

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\  
 Data File : VX004577.D  
 Acq On : 15 Sep 2018 11:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/17/2018 6:27:23 PM

Quant Time: Sep 17 07:21:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 274113   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 342510   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 318956   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 240515   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 178638   | 50.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.08% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 157950   | 50.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.78% |      |
| 50) Toluene-d8              | 8.71   | 98  | 524328   | 49.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.76%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 193371   | 51.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.08% |      |

| Target Compounds              |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 133273  | 51.88  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 165273  | 46.75  | ug/l | 93     |
| 4) Vinyl Chloride             | 1.40 | 62  | 180032  | 49.61  | ug/l | 98     |
| 5) Bromomethane               | 1.64 | 94  | 78100   | 51.44  | ug/l | 93     |
| 6) Chloroethane               | 1.72 | 64  | 114181  | 48.66  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 241278  | 50.16  | ug/l | 97     |
| 8) Diethyl Ether              | 2.18 | 74  | 109004  | 50.54  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 161288  | 52.85  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 147265  | 41.19  | ug/l | 96     |
| 11) Tert butyl alcohol        | 3.06 | 59  | 191798  | 227.42 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 151333  | 52.84  | ug/l | 85     |
| 13) Acrolein                  | 2.29 | 56  | 79704   | 239.41 | ug/l | 97     |
| 14) Allyl chloride            | 2.73 | 41  | 291665  | 49.53  | ug/l | 96     |
| 15) Acrylonitrile             | 3.14 | 53  | 481625  | 237.15 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 439926  | 255.02 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.57 | 76  | 423623  | 51.17  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 235009  | 48.56  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 514634  | 51.21  | ug/l | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 172053  | 48.62  | ug/l | 93     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 164229  | 51.89  | ug/l | 95     |
| 22) Diisopropyl ether         | 3.87 | 45  | 532891  | 50.25  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2255368 | 262.79 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 308443  | 51.51  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 628782  | 229.02 | ug/l | 93     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 237171  | 57.67  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 184945  | 52.35  | ug/l | 99     |
| 28) Bromochloromethane        | 5.02 | 49  | 138056  | 50.41  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 397182  | 239.89 | ug/l | 97     |
| 30) Chloroform                | 5.21 | 83  | 291824  | 49.92  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 295067  | 57.71  | ug/l | 87     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 250177  | 53.14  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 223326  | 53.71  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.85 | 43  | 227893  | 48.19  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 210313  | 51.78  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\  
 Data File : VX004577.D  
 Acq On : 15 Sep 2018 11:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/17/2018 6:27:23 PM

Quant Time: Sep 17 07:21:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 259126   | 59.72   | ug/l  | 90       |
| 40) Benzene                    | 6.14  | 78   | 692658   | 56.14   | ug/l  | 96       |
| 41) Methacrylonitrile          | 5.06  | 41   | 132738   | 50.94   | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 218143   | 53.31   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 364759   | 58.07   | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 166620   | 51.98   | ug/l  | 95       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 155135   | 52.26   | ug/l  | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 96214    | 51.30   | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 185374   | 52.27   | ug/l  | 100      |
| 48) Methyl methacrylate        | 7.77  | 41   | 161401   | 51.92   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 74100    | 1007.11 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1016555  | 229.32  | ug/l  | 99       |
| 52) Toluene                    | 8.79  | 92   | 372120   | 51.19   | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 215746   | 52.07   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 237328   | 56.19   | ug/l  | 96       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 149954   | 47.91   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 227309   | 51.34   | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 248863   | 48.94   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 340730   | 153.92  | ug/l  | 96       |
| 59) 2-Hexanone                 | 9.49  | 43   | 787283   | 231.54  | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 153558   | 52.11   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 153671   | 51.40   | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 187298   | 47.03   | ug/l  | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 422212   | 53.29   | ug/l  | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 147185   | 53.87   | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 720590   | 55.94   | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 563953   | 113.65  | ug/l  | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 272757   | 57.17   | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 454289   | 57.48   | ug/l  | 98       |
| 71) Bromoform                  | 10.86 | 173  | 121068   | 53.97   | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 740466   | 46.75   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 288278   | 43.24   | ug/l  | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 211807   | 41.45   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 202781m  | 41.91   | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 195505   | 44.65   | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 861854   | 47.32   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 495403   | 44.85   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 624757   | 46.92   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 68911    | 45.39   | ug/l  | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 581919   | 45.14   | ug/l  | 98       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 704007   | 55.53   | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 768329   | 56.51   | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 924280   | 57.21   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 870688   | 61.03   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 433055   | 53.01   | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 440377   | 52.17   | ug/l  | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 667333   | 51.33   | ug/l  | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 115751   | 50.68   | ug/l  | 94       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 380683   | 46.04   | ug/l  | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 53278    | 48.84   | ug/l  | 91       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091518\  
Data File : VX004577.D  
Acq On : 15 Sep 2018 11:33  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

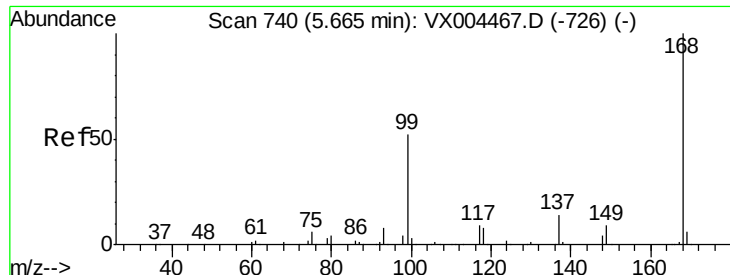
MMDadoda  
9/17/2018 6:27:23 PM

Quant Time: Sep 17 07:21:17 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 12 02:17:23 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 346844   | 59.25 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 176539   | 57.73 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 915318   | 55.74 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 335367   | 55.76 | ug/l  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 274113

Ion Ratio Lower Upper

168 100

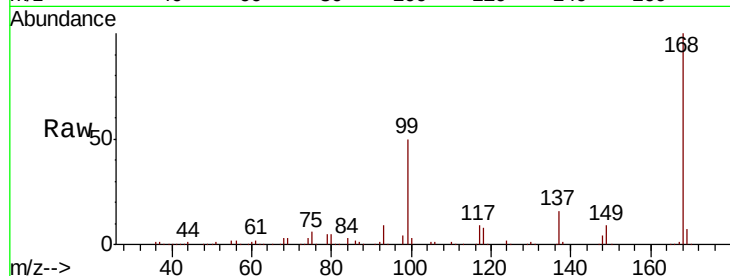
99 49.9 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

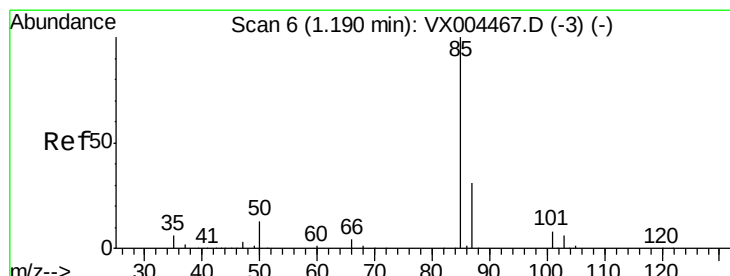
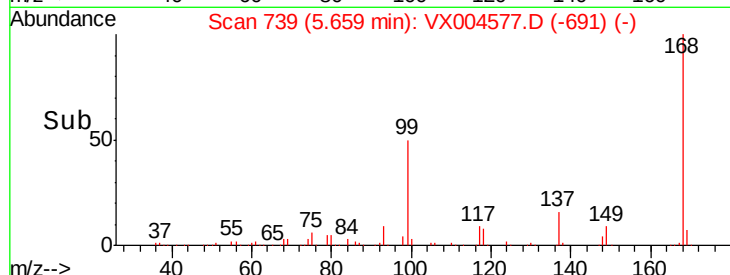
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 51.88 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004577.D

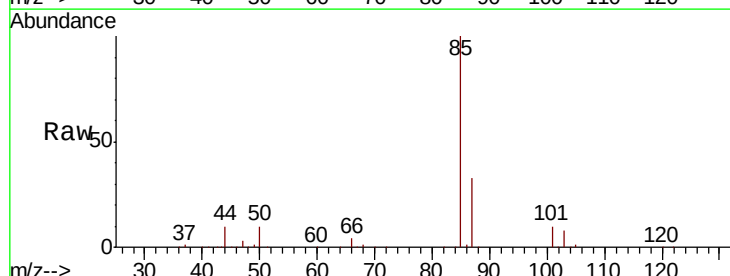
Acq: 15 Sep 2018 11:33

Tgt Ion: 85 Resp: 133273

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

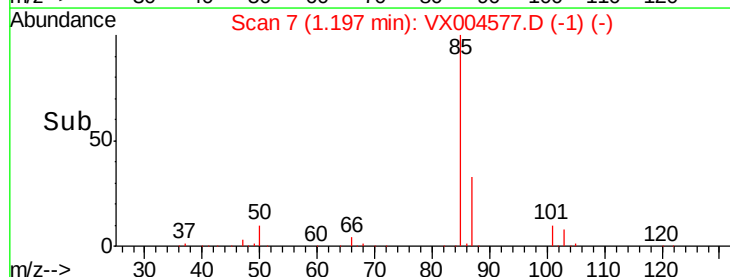
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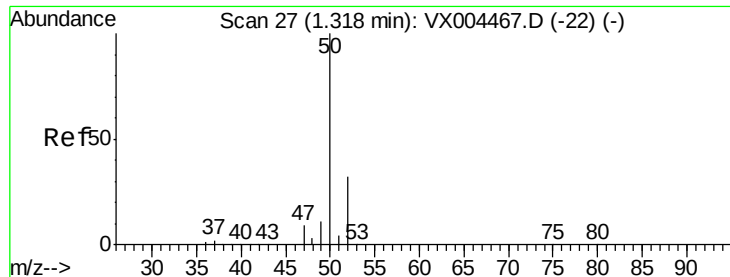
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.75 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 165273

Ion Ratio Lower Upper

50 100

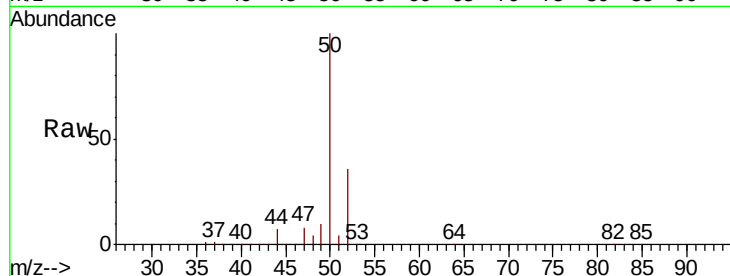
52 36.5 26.2 39.2

Manual Integrations

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9/17/2018 6:27:23 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

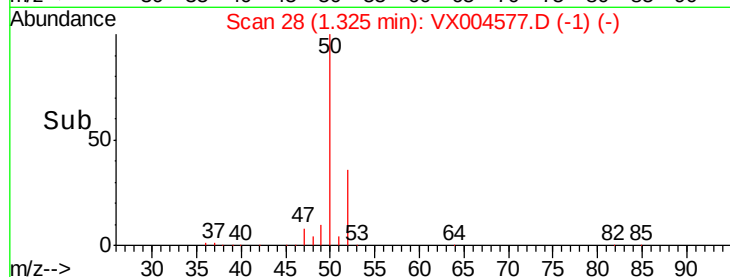
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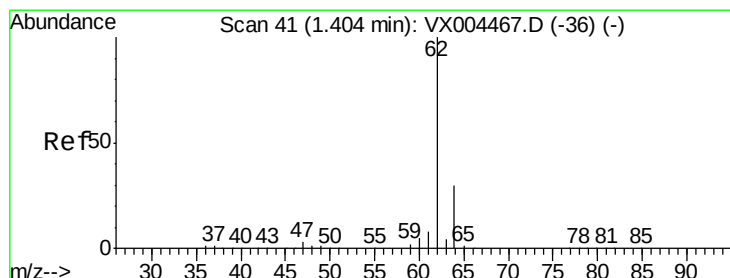
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0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 49.61 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004577.D

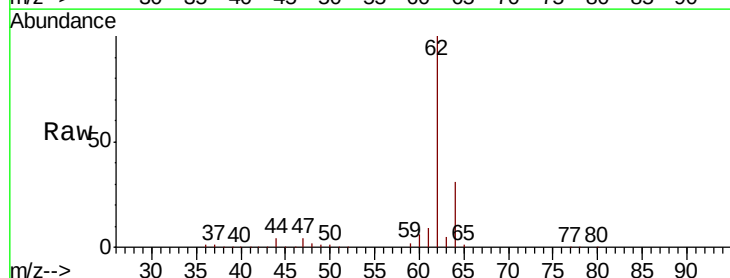
Acq: 15 Sep 2018 11:33

Tgt Ion: 62 Resp: 180032

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

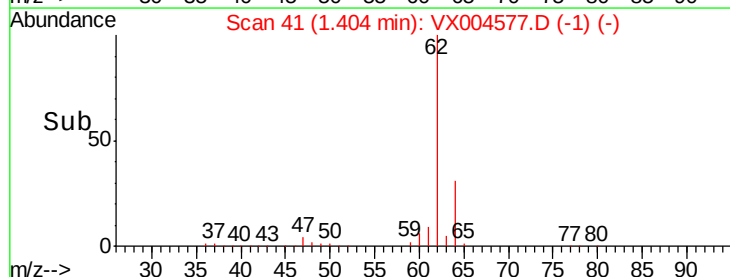
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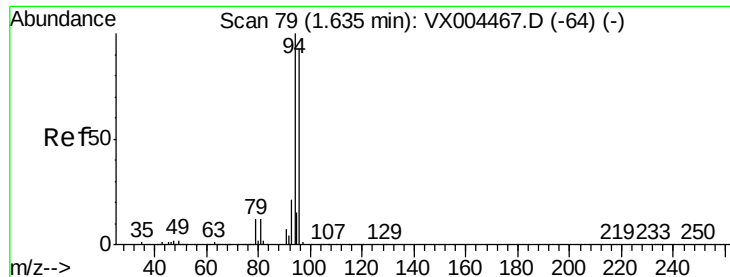
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.44 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Tot Ion: 94 Resp: 78100

Ion Ratio Lower Upper

94 100

96 99.8 74.5 111.7

Instrument :

MSVOA\_X

ClientSampleId :

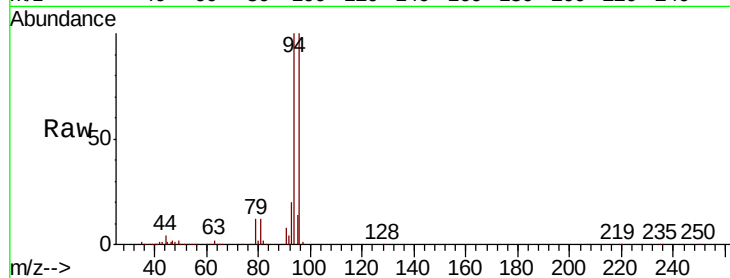
VSTDCCC050

Manual Integrations

APPROVED

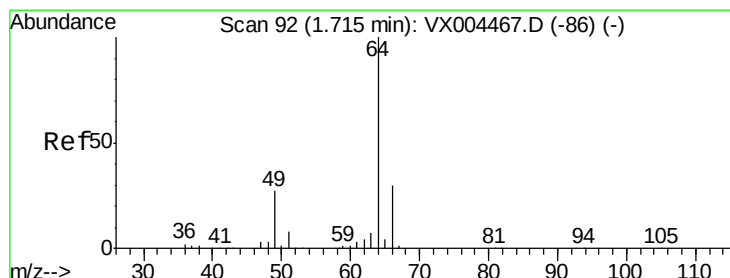
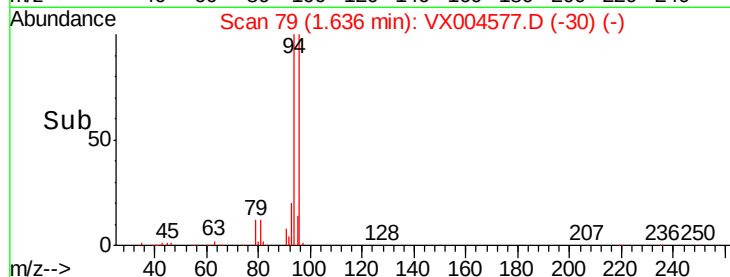
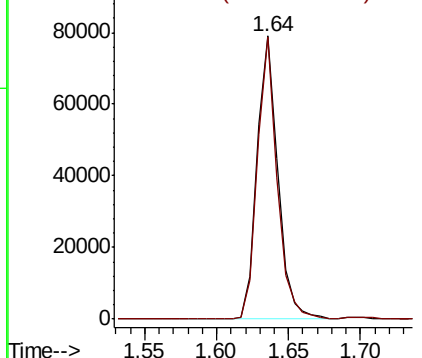
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.66 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004577.D

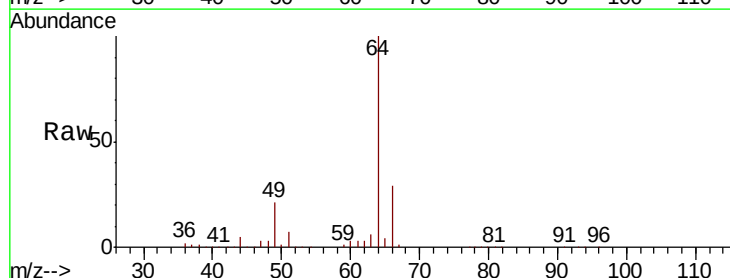
Acq: 15 Sep 2018 11:33

Tgt Ion: 64 Resp: 114181

Ion Ratio Lower Upper

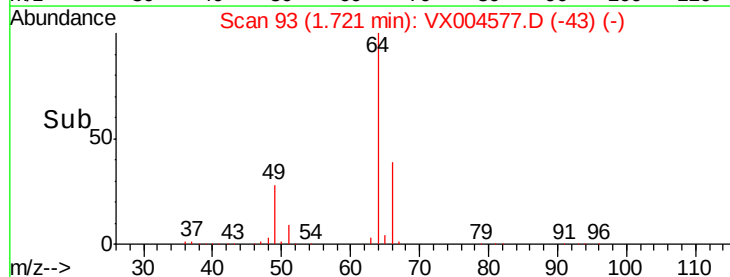
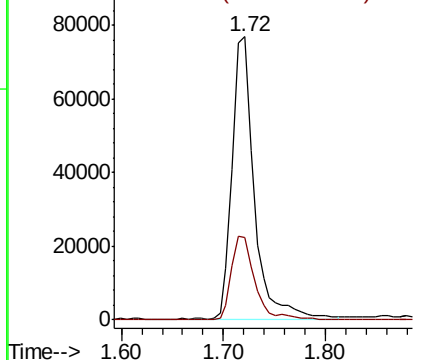
64 100

66 29.1 24.6 36.8

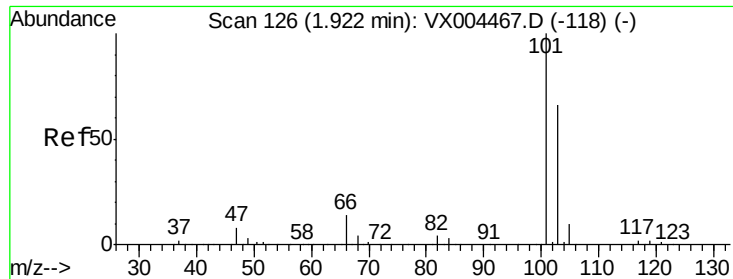


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0







#7

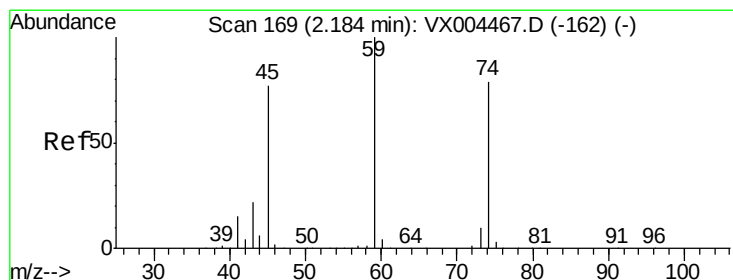
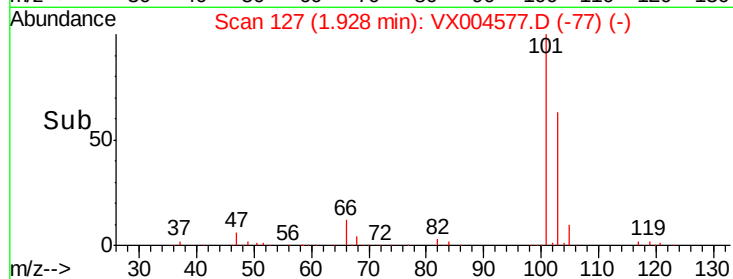
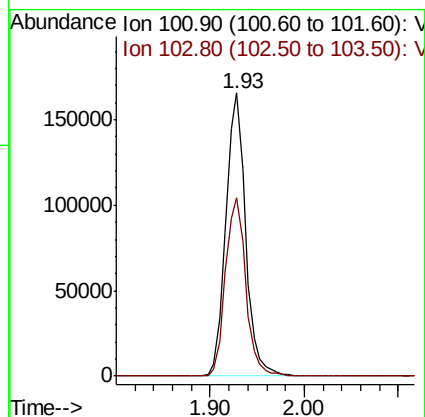
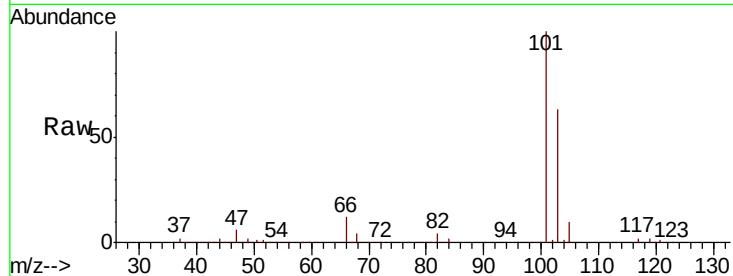
Trichlorofluoromethane  
 Concen: 50.16 ug/l  
 RT: 1.93 min Scan# 127  
 Delta R.T. 0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.2  | 48.9  | 73.3  |

Manual Integrations  
 APPROVED

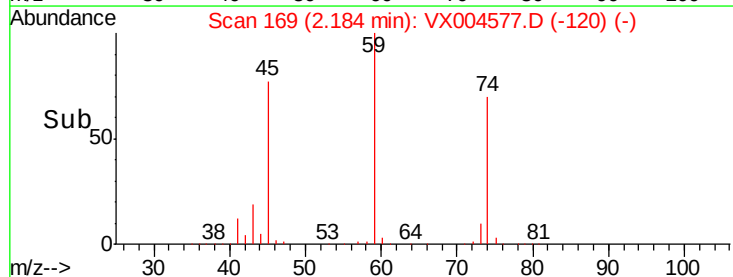
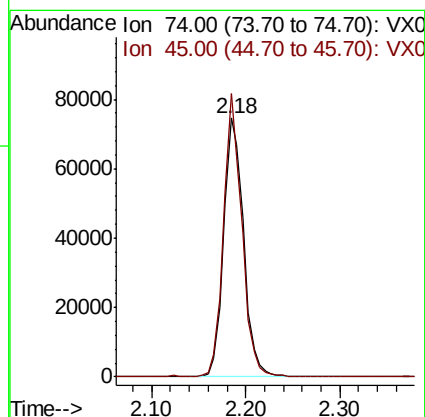
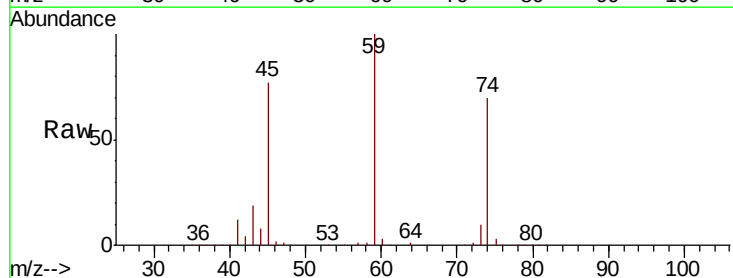
MMDadoda  
 9/17/2018 6:27:23 PM



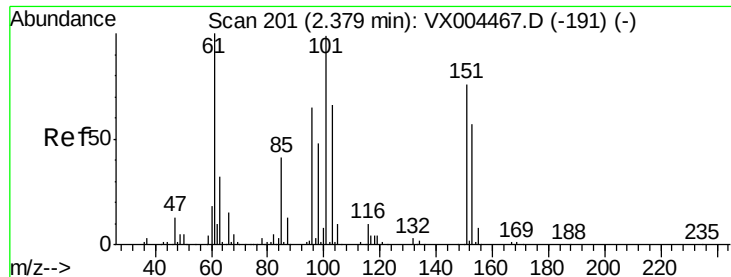
#8

Diethyl Ether  
 Concen: 50.54 ug/l  
 RT: 2.18 min Scan# 169  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.6 | 48.3  | 144.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.85 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

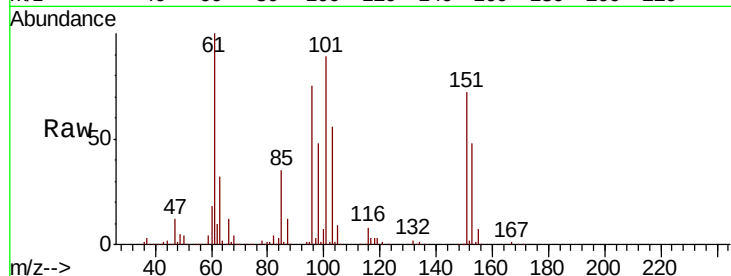
ClientSampleId :

VSTDCCC050

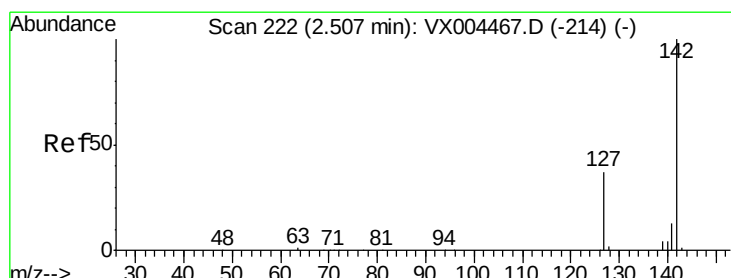
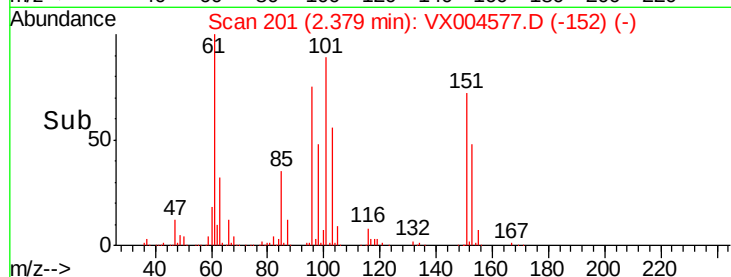
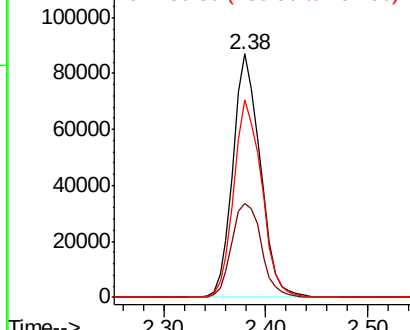
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 161288 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.1  | 34.2  | 51.4   |
| 151       | 83.1  | 65.0  | 97.6   |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.19 ug/l

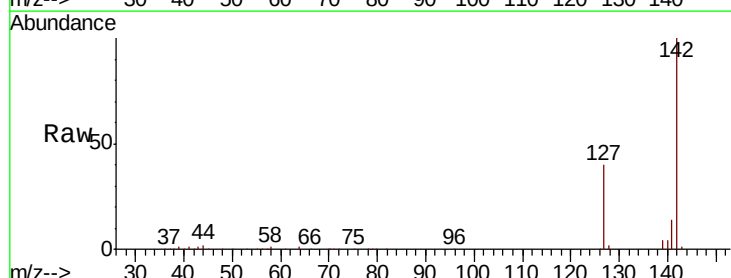
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

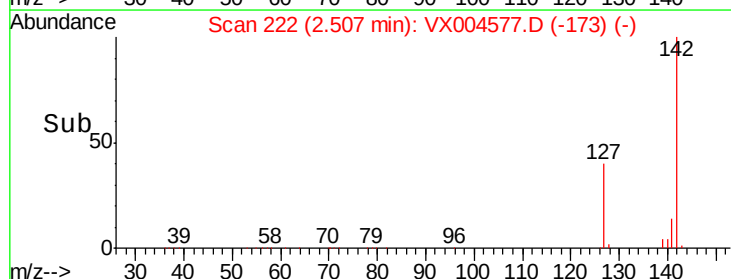
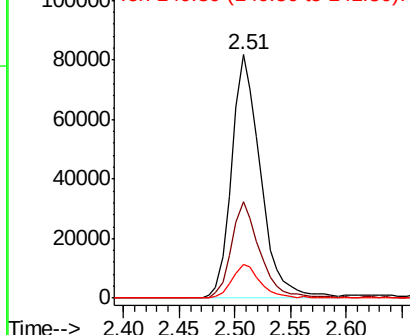
Lab File: VX004577.D

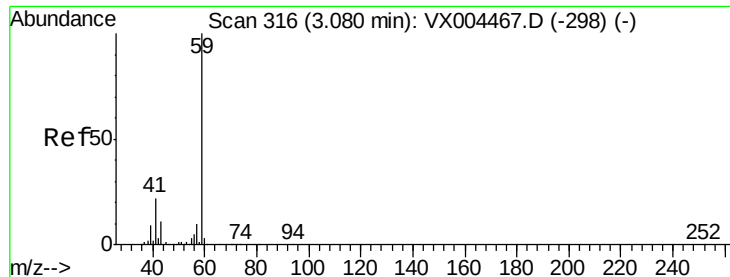
Acq: 15 Sep 2018 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 147265 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.3  | 33.8  | 50.6   |
| 141       | 13.7  | 11.4  | 17.0   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

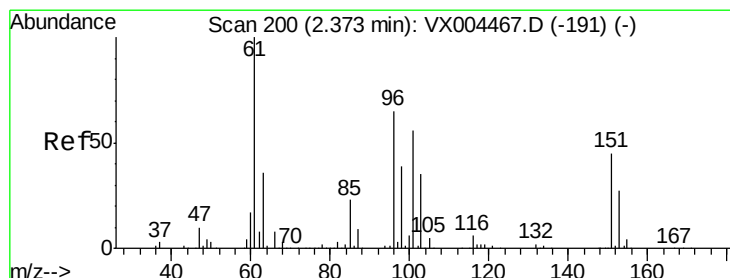
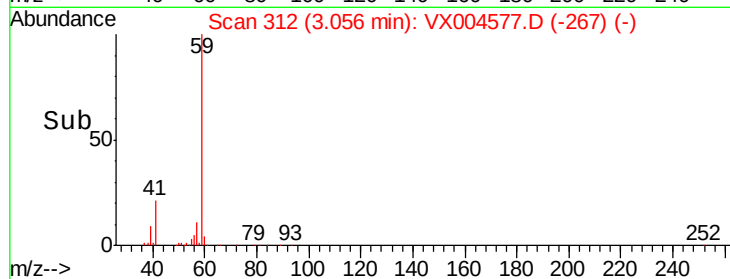
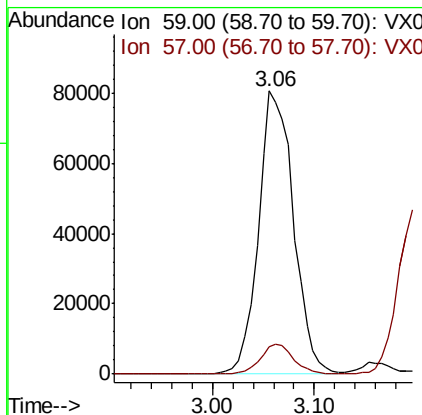
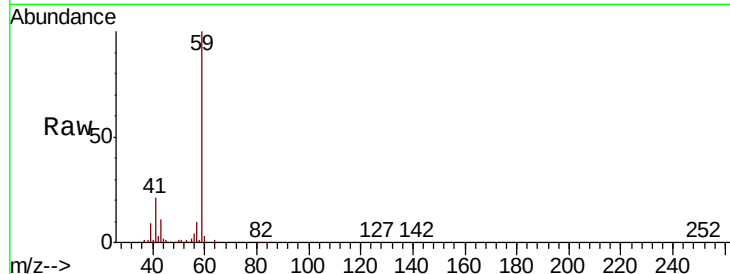
Tert butyl alcohol  
 Concen: 227.42 ug/l  
 RT: 3.06 min Scan# 312  
 Delta R.T. -0.02 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion   | 59.00 | Resp  | 191798 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 59        | 100   | 8.2   | 12.4   |
| 57        | 10.1  |       |        |

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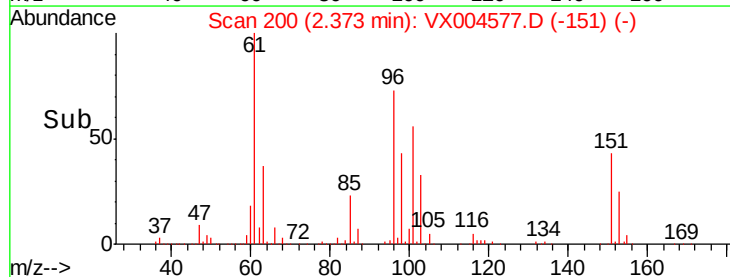
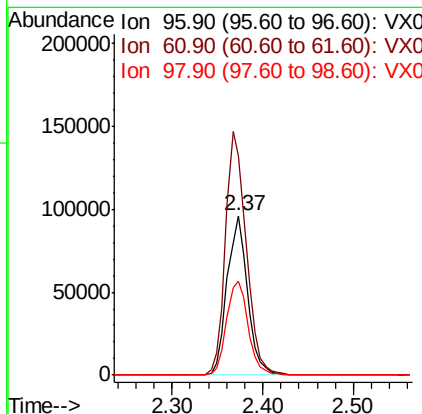
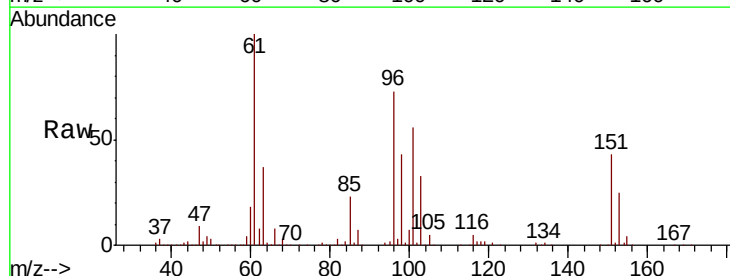
MMDadoda  
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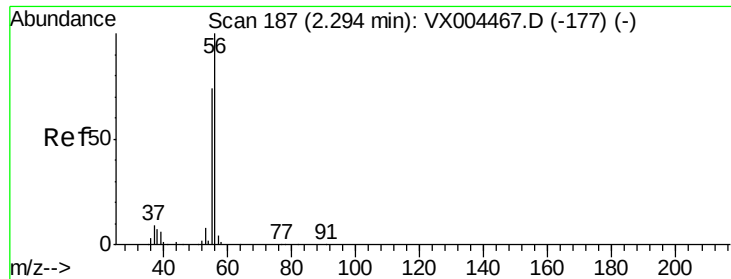


#12

1,1-Dichloroethene  
 Concen: 52.84 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion   | 96.00 | Resp  | 151333 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 96        | 100   | 128.8 | 193.2  |
| 61        | 137.3 | 52.2  | 78.2   |
| 98        | 58.8  |       |        |





#13

Acrolein

Concen: 239.41 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79704

Ion Ratio Lower Upper

56 100

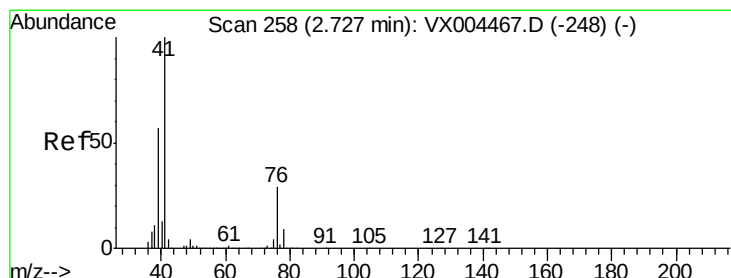
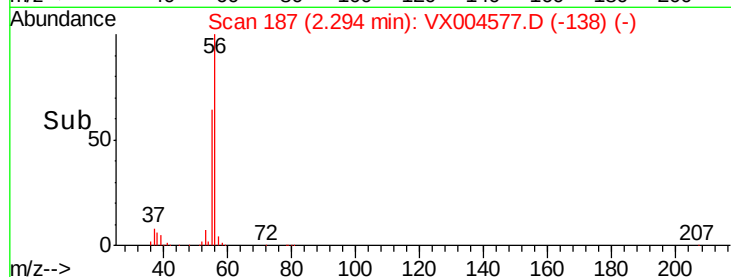
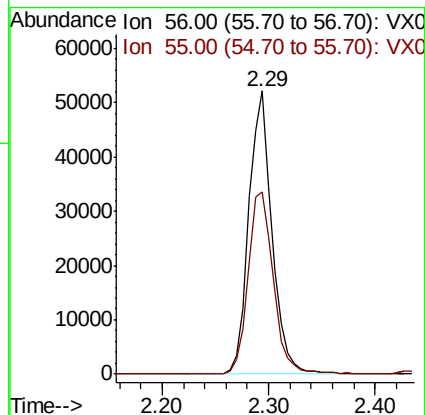
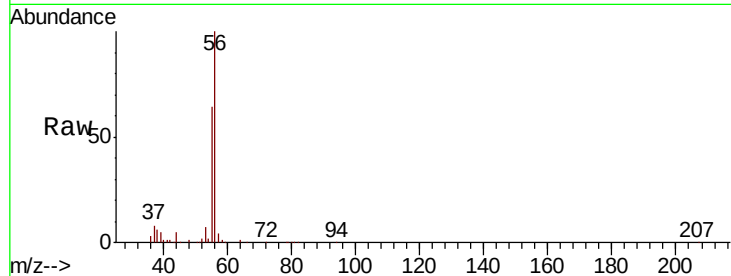
55 70.5 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.53 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

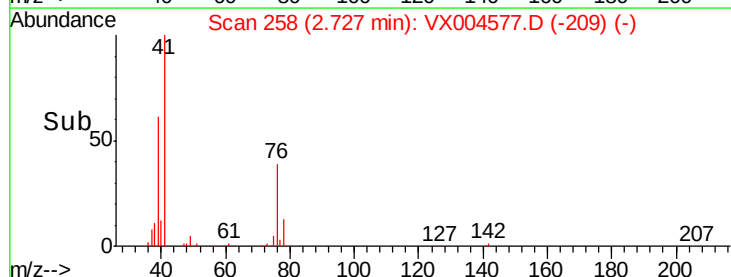
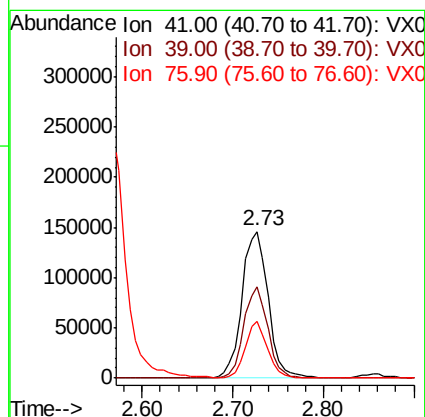
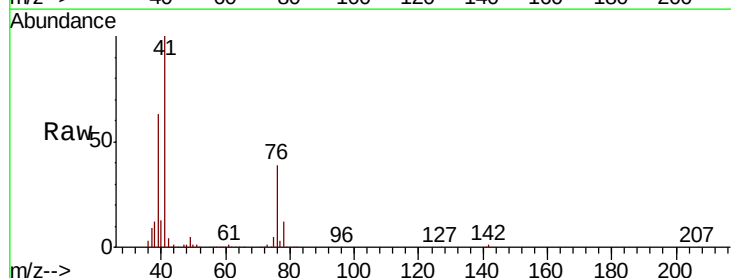
Tgt Ion: 41 Resp: 291665

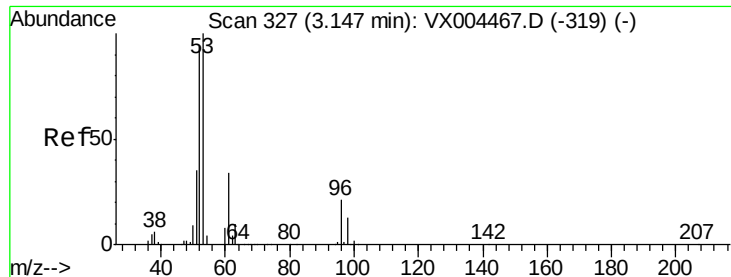
Ion Ratio Lower Upper

41 100

39 56.9 48.9 73.3

76 33.3 26.7 40.1





#15

Acrylonitrile

Concen: 237.15 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

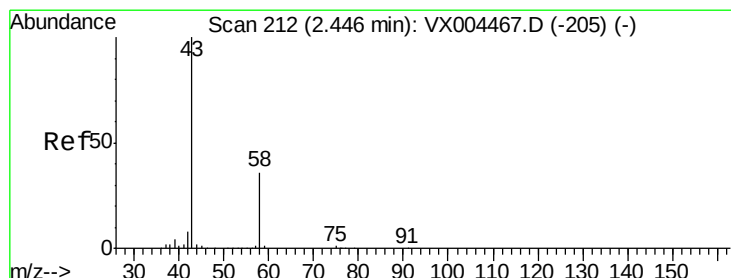
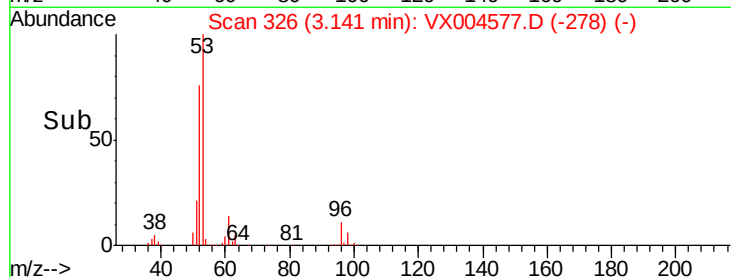
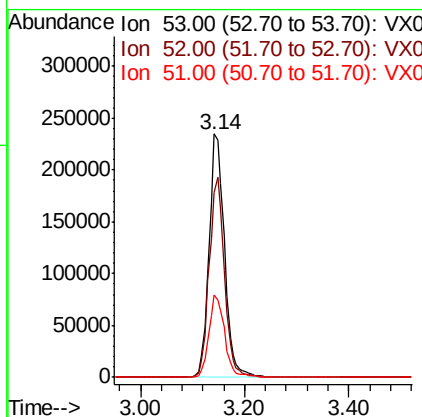
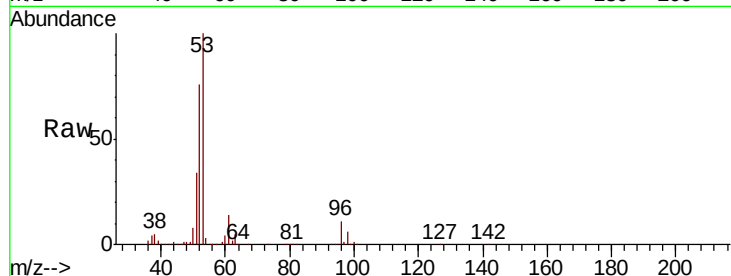
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 481625 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.2  | 65.2  | 97.8   |
| 51        | 34.4  | 28.2  | 42.2   |

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#16

Acetone

Concen: 255.02 ug/l

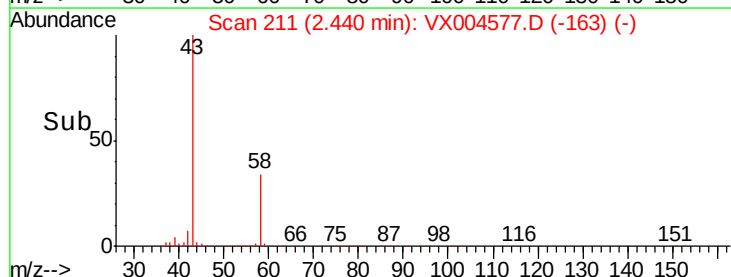
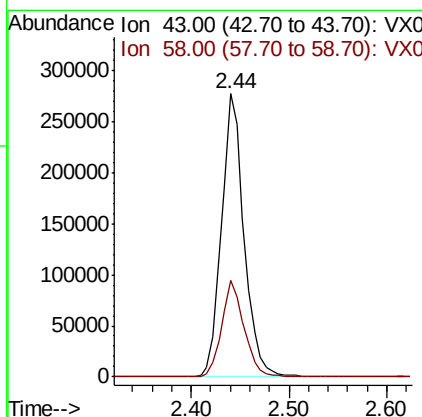
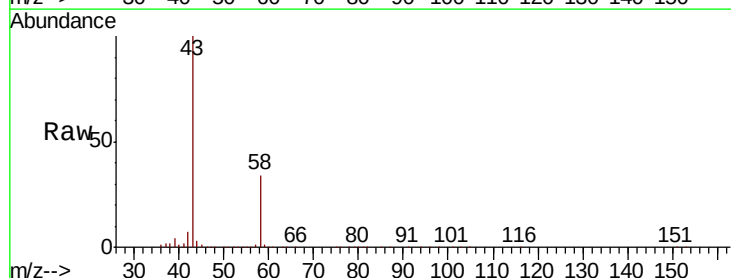
RT: 2.44 min Scan# 211

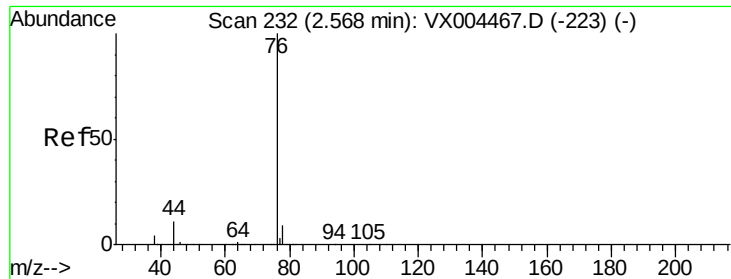
Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 439926 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.9  | 26.2  | 39.4   |





#17

Carbon Disulfide

Concen: 51.17 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Tot Ion: 76 Resp: 423623

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6

Instrument :

MSVOA\_X

ClientSampleId :

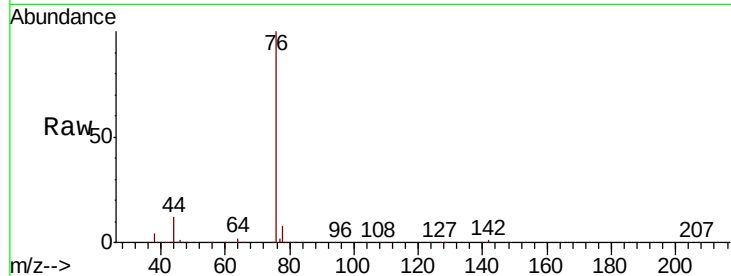
VSTDCCC050

Manual Integrations

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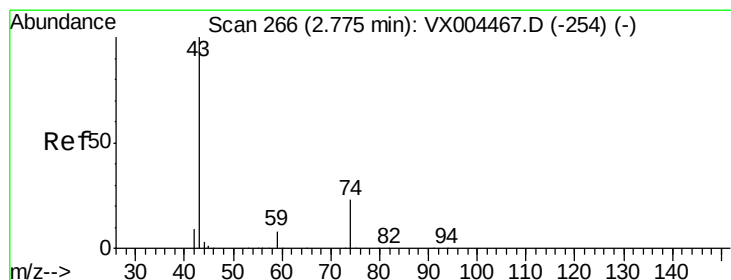
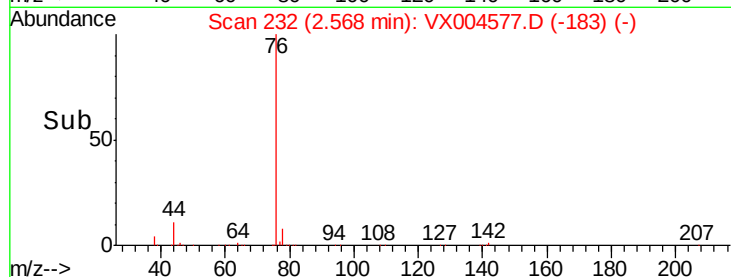
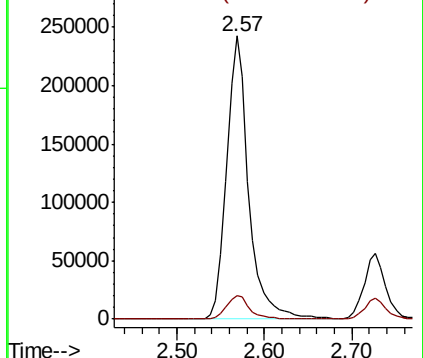
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.56 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004577.D

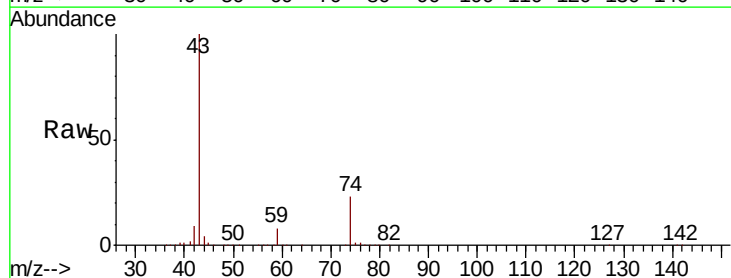
Acq: 15 Sep 2018 11:33

Tgt Ion: 43 Resp: 235009

Ion Ratio Lower Upper

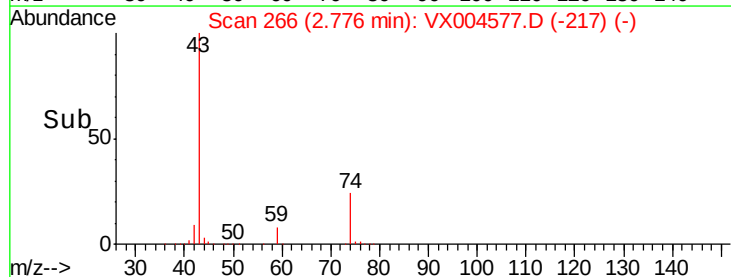
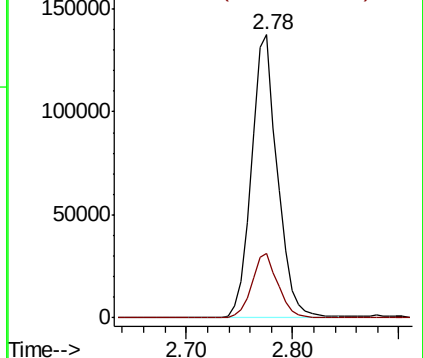
43 100

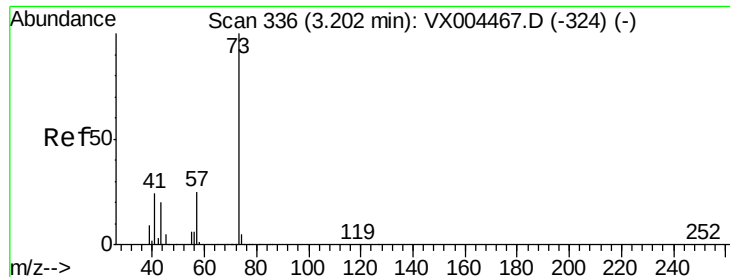
74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





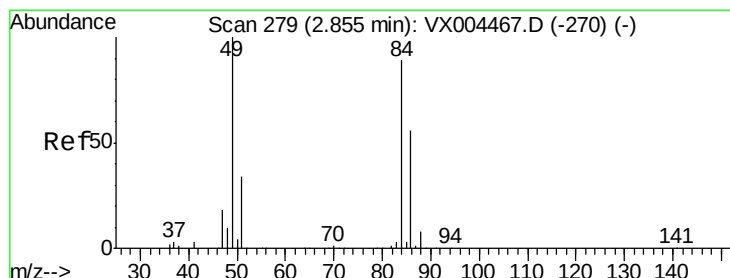
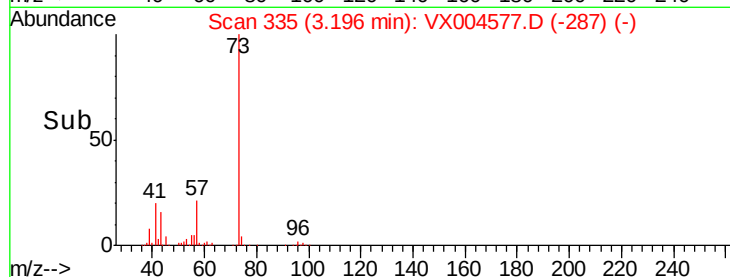
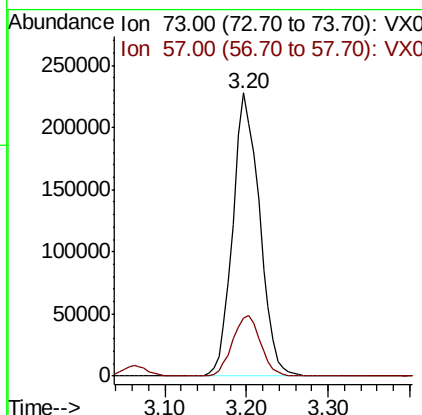
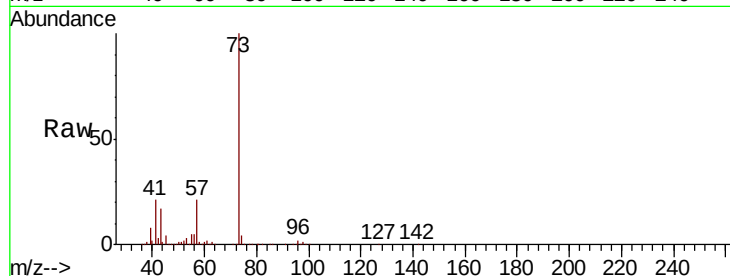
#19  
Methyl tert-butyl Ether  
Concen: 51.21 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.5  | 17.1  | 25.7  |

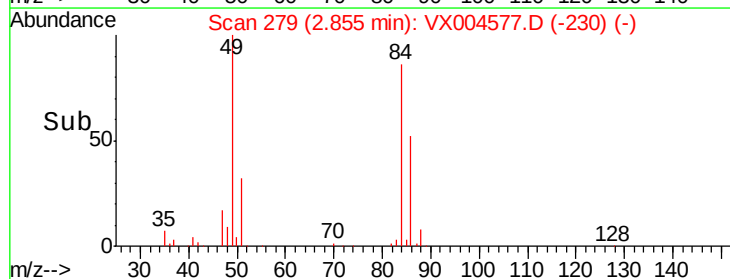
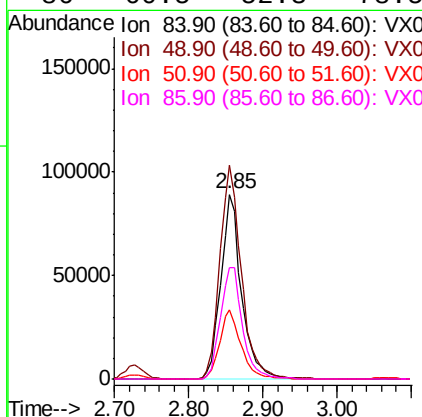
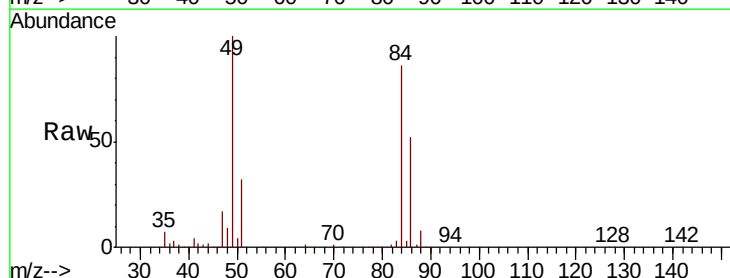
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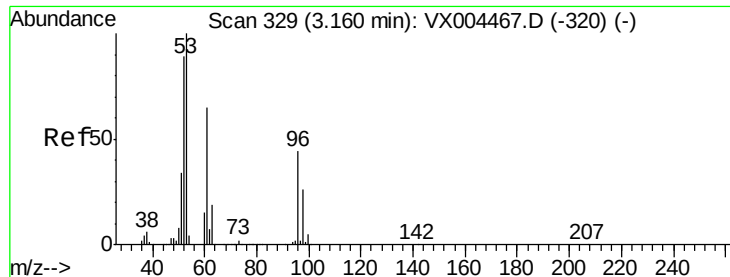
MMDadoda  
9/17/2018 6:27:23 PM



#20  
Methylene Chloride  
Concen: 48.62 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 115.6 | 101.2 | 151.8 |
| 51      | 37.1  | 29.5  | 44.3  |
| 86      | 60.5  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 51.89 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 164229

Ion Ratio Lower Upper

96 100

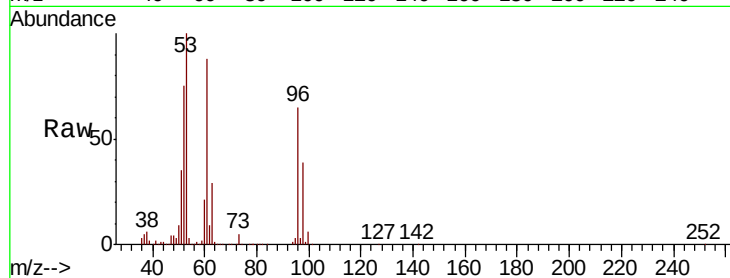
61 136.0 113.8 170.6

98 60.6 51.8 77.8

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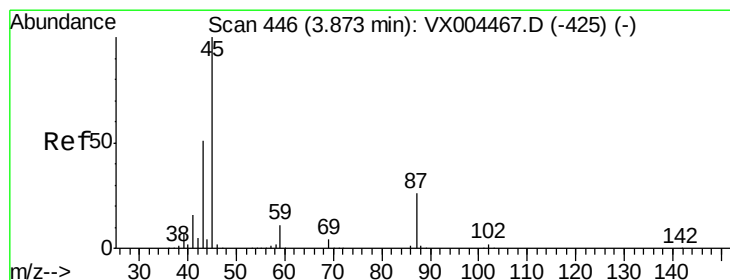
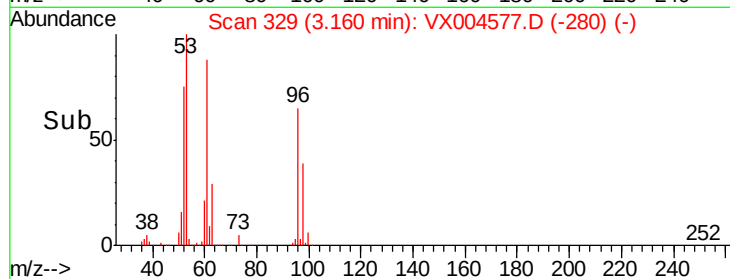
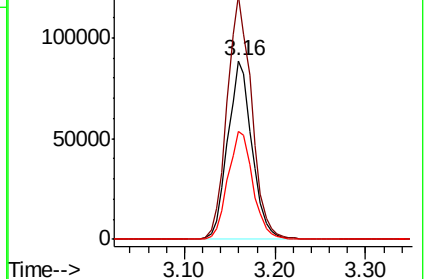
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.25 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Tgt Ion: 45 Resp: 532891

Ion Ratio Lower Upper

45 100

43 52.5 42.8 64.2

87 25.6 22.6 34.0

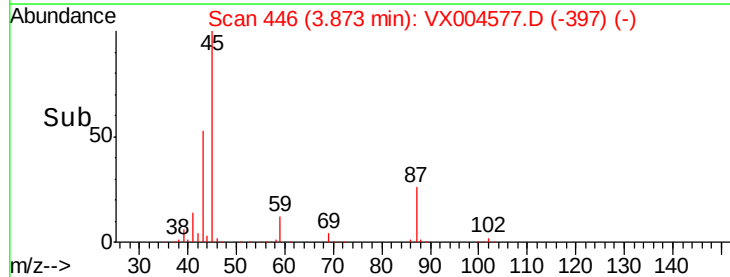
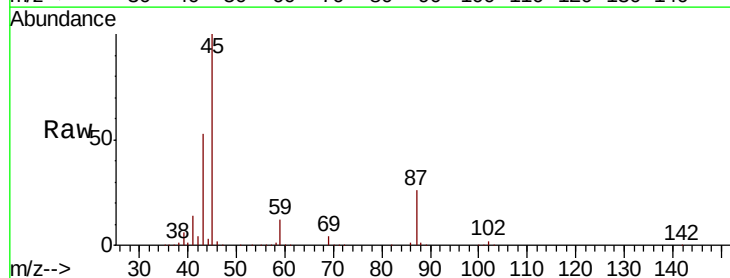
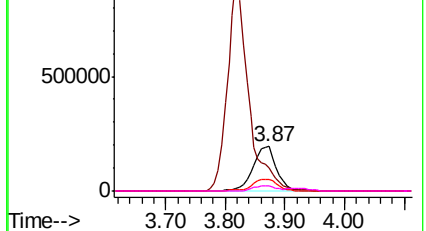
59 11.5 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0

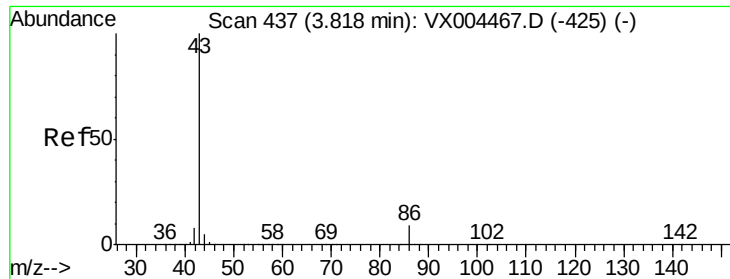
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0







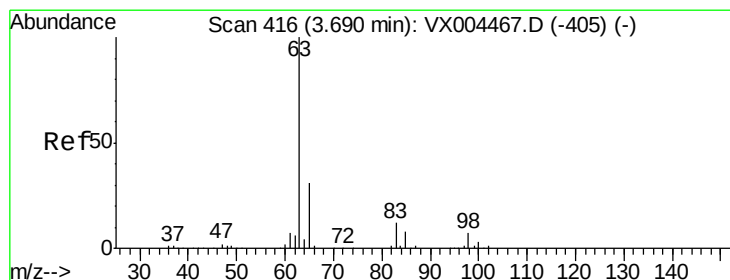
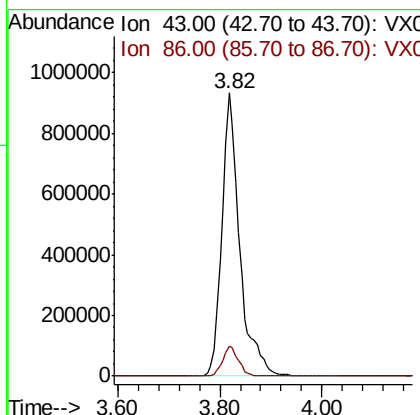
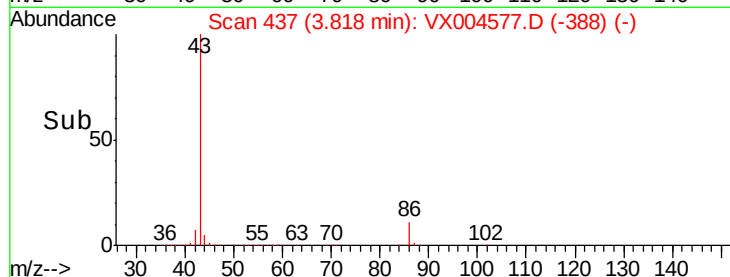
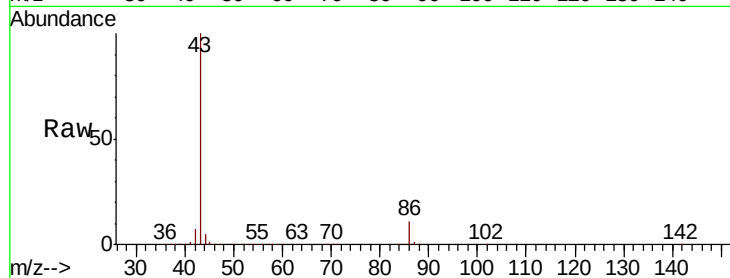
#23  
 Vinyl Acetate  
 Concen: 262.79 ug/l  
 RT: 3.82 min Scan# 437  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDCCC050

Tot Ion: 43 Resp: 2255368  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.9 13.3

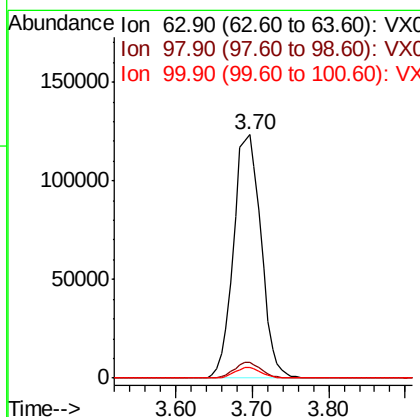
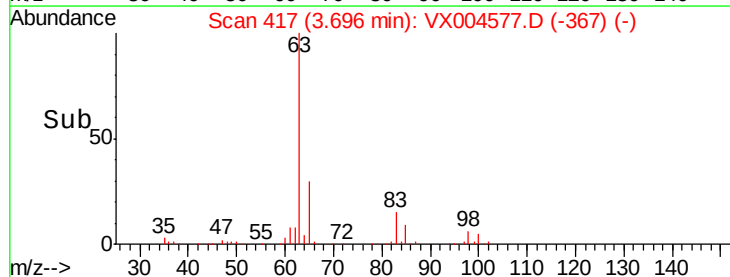
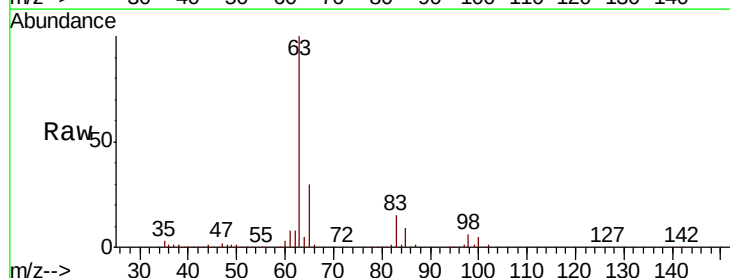
Manual Integrations  
 APPROVED

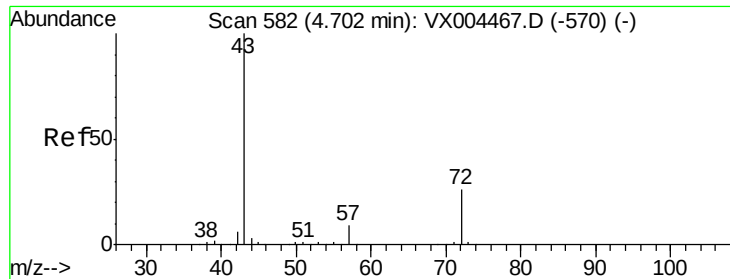
MMDadoda  
 9/17/2018 6:27:23 PM



#24  
 1,1-Dichloroethane  
 Concen: 51.51 ug/l  
 RT: 3.70 min Scan# 417  
 Delta R.T. 0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Tgt Ion: 63 Resp: 308443  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.5 10.4  
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 229.02 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 628782

Ion Ratio Lower Upper

43 100

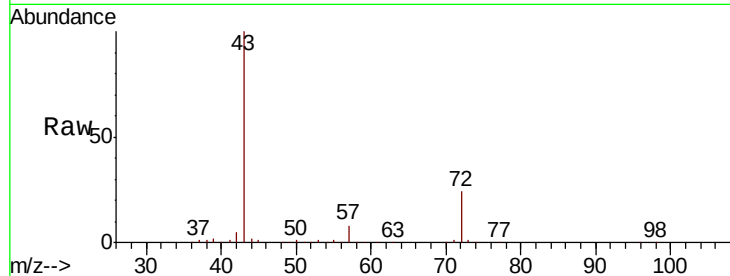
72 24.0 22.0 33.0

Manual Integrations

APPROVED

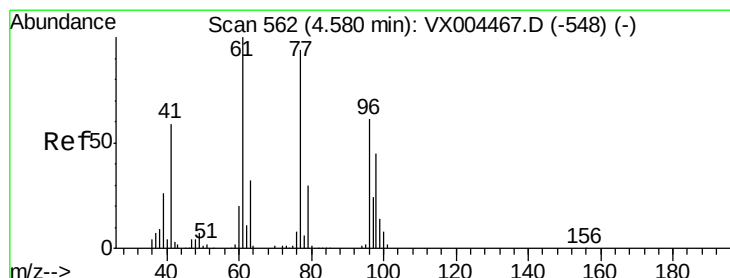
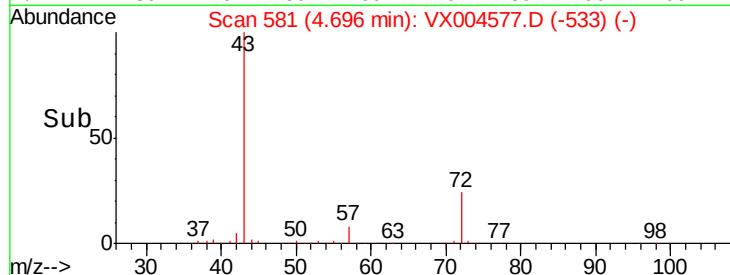
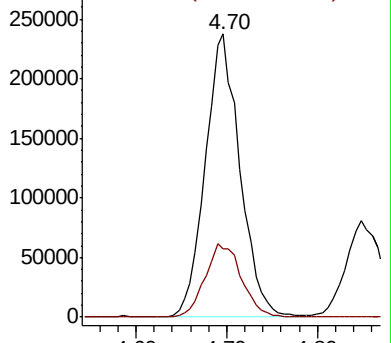
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 57.67 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004577.D

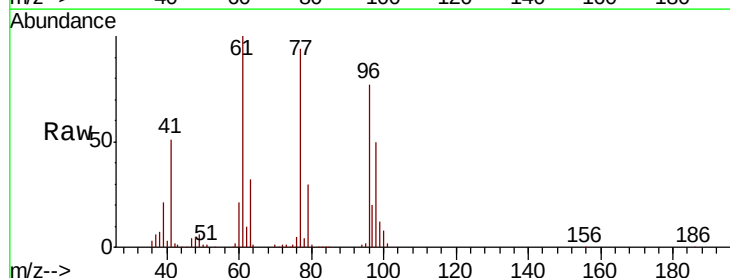
Acq: 15 Sep 2018 11:33

Tgt Ion: 77 Resp: 237171

Ion Ratio Lower Upper

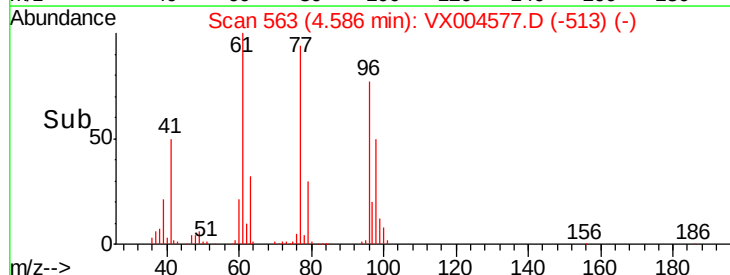
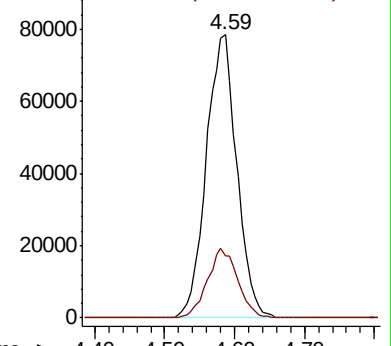
77 100

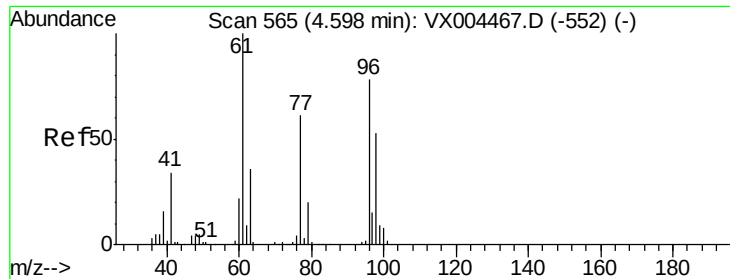
97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

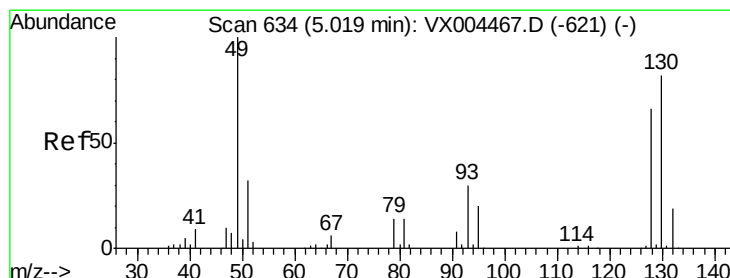
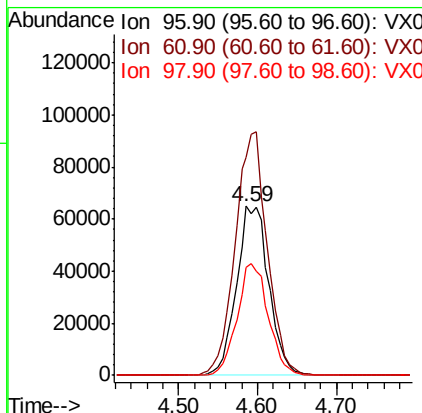
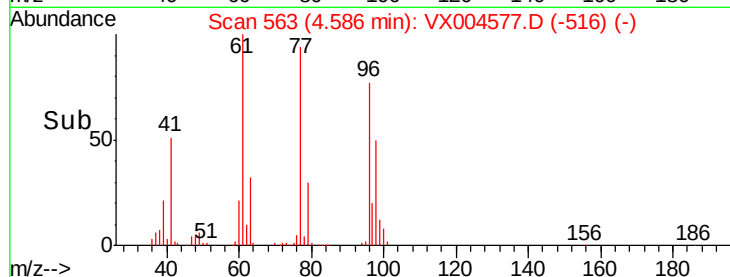
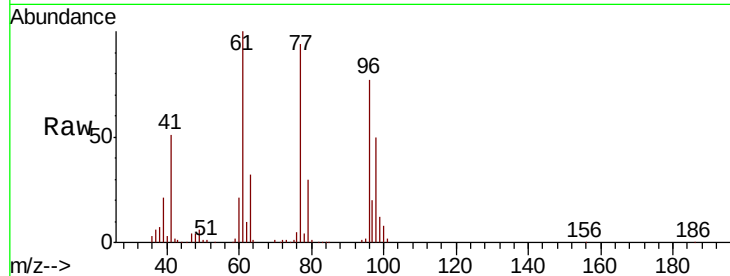
cis-1,2-Dichloroethene  
Concen: 52.35 ug/l  
RT: 4.59 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 142.4 | 0.0  | 282.6 |       |
| 98      | 63.9  | 0.0  | 130.2 |       |

Manual Integrations  
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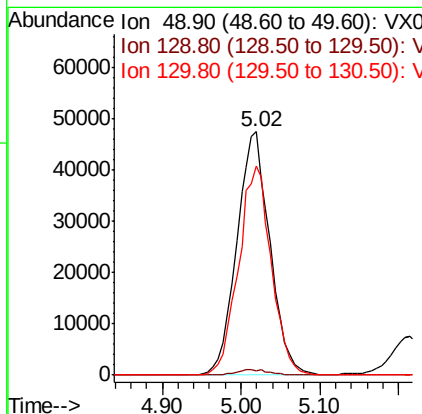
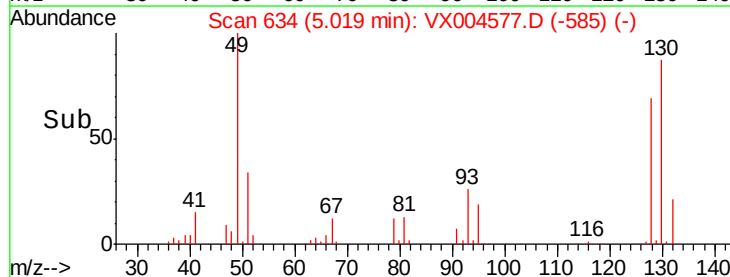
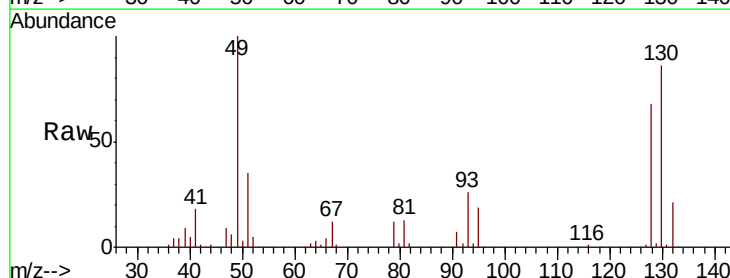
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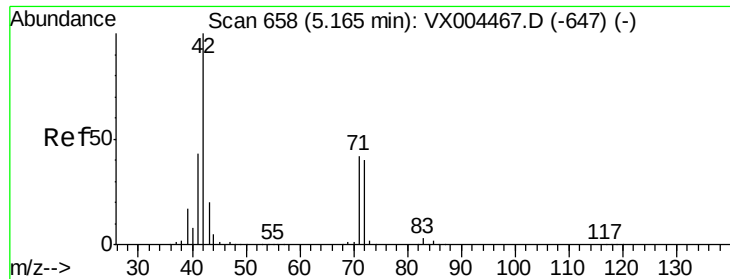


#28

Bromochloromethane  
Concen: 50.41 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.1   | 0.0  | 4.2   |       |
| 130     | 85.5  | 67.5 | 101.3 |       |





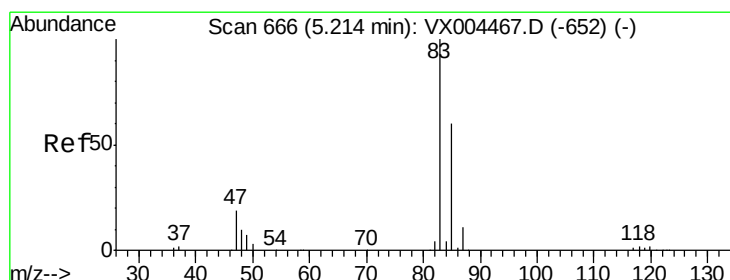
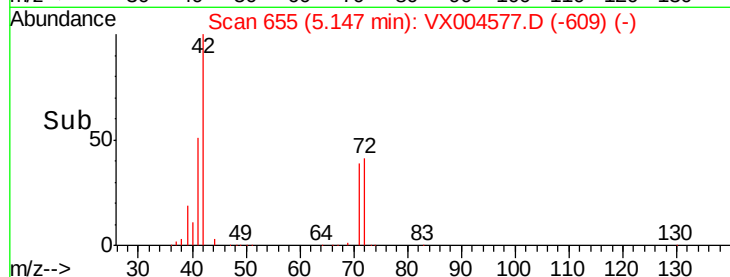
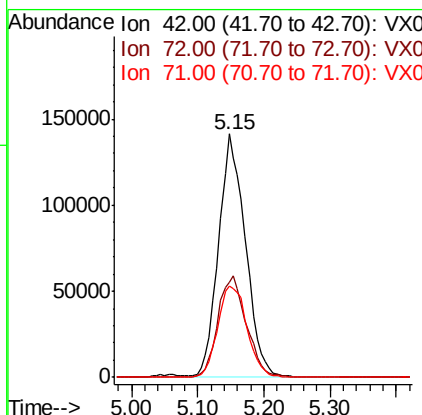
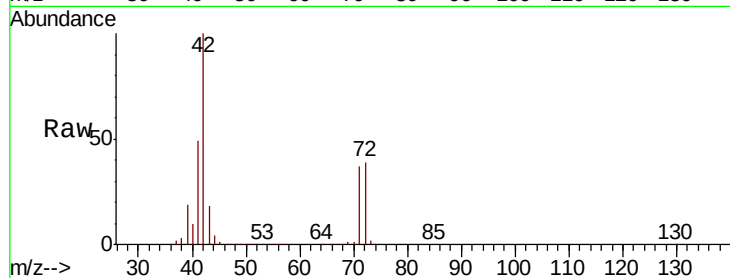
#29  
Tetrahydrofuran  
Concen: 239.89 ug/l  
RT: 5.15 min Scan# 655  
Delta R.T. -0.02 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.2  | 37.4  | 56.0  |
| 71      | 41.1  | 34.5  | 51.7  |

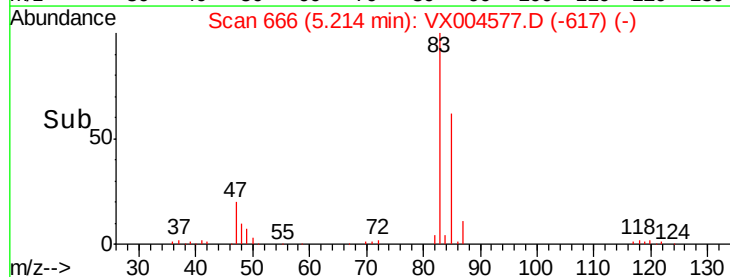
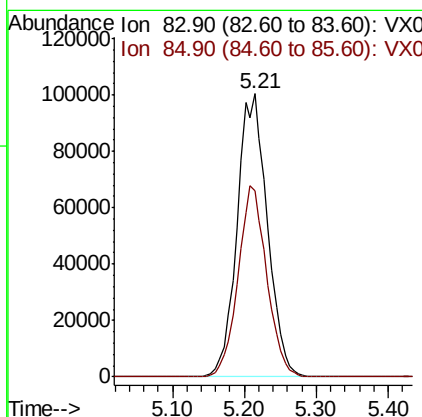
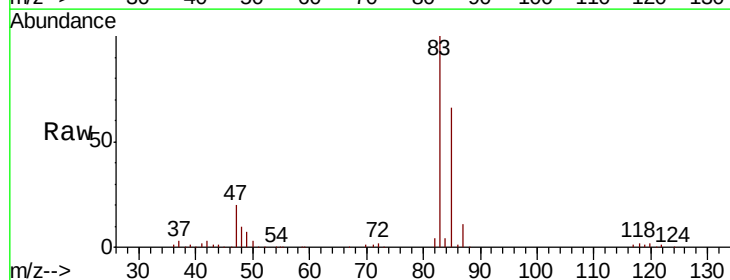
Manual Integrations  
APPROVED

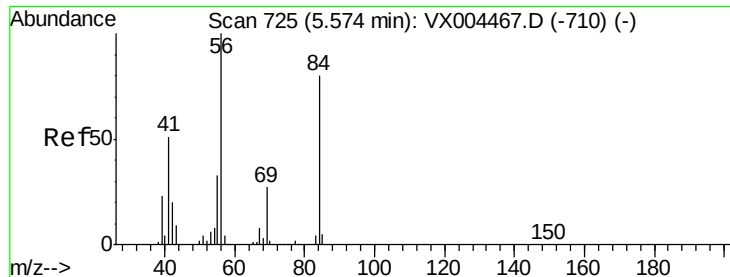
MMDadoda  
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#30  
Chloroform  
Concen: 49.92 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.6  | 52.6  | 79.0  |





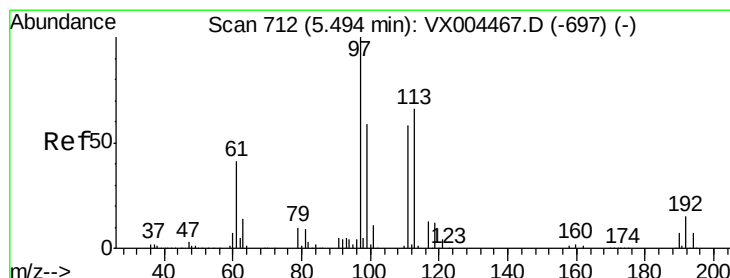
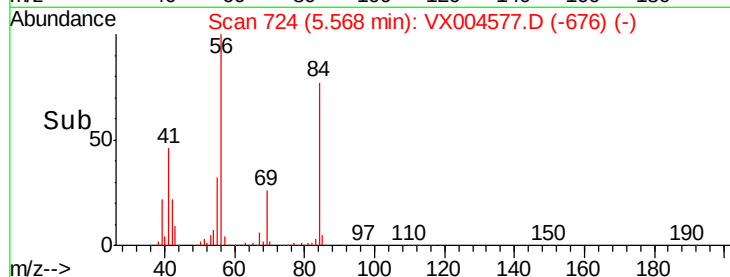
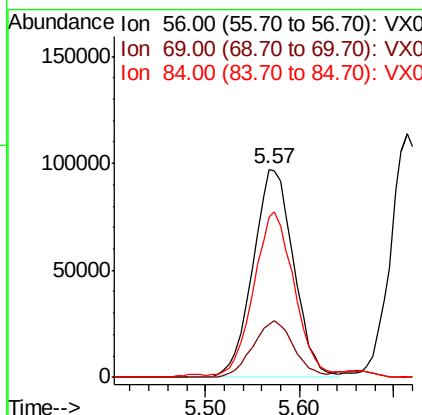
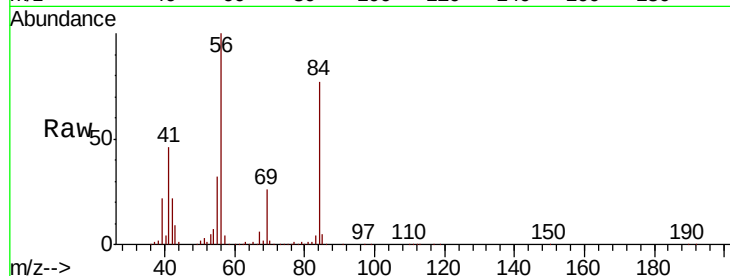
#31  
Cyclohexane  
Concen: 57.71 ug/l  
RT: 5.57 min Scan# 724  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 25.7  | 25.4  | 38.2  |
| 84      | 76.0  | 71.4  | 107.2 |

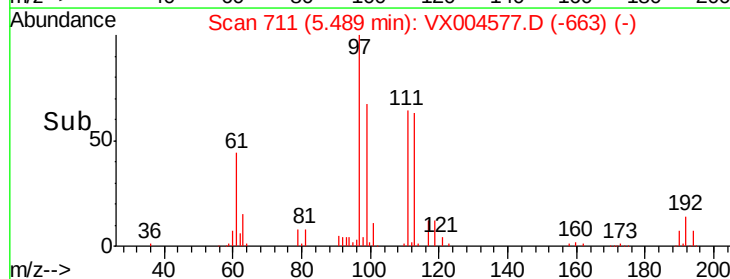
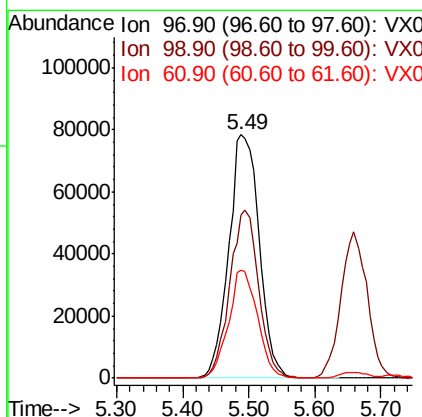
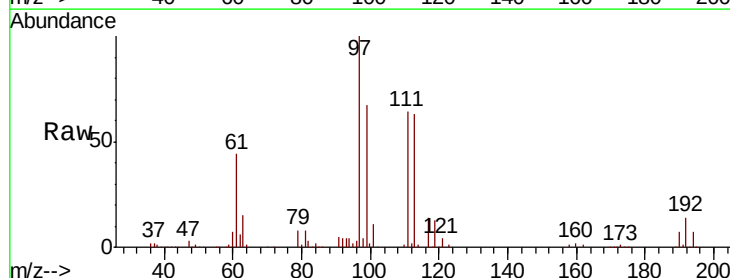
Manual Integrations  
APPROVED

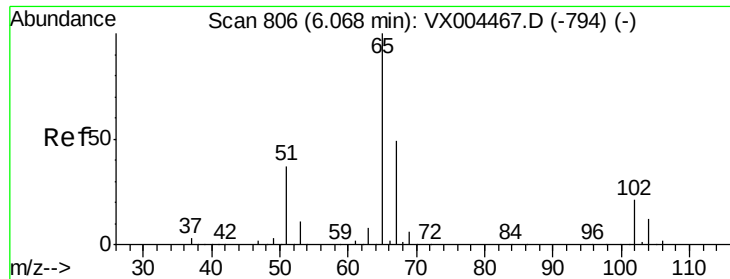
MMDadoda  
9/17/2018 6:27:23 PM



#32  
1,1,1-Trichloroethane  
Concen: 53.14 ug/l  
RT: 5.49 min Scan# 711  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.4  | 52.0  | 78.0  |
| 61      | 42.3  | 34.9  | 52.3  |





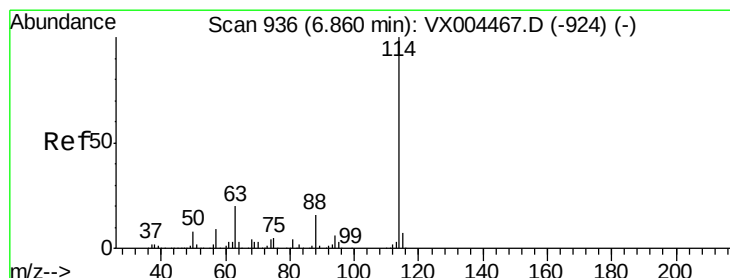
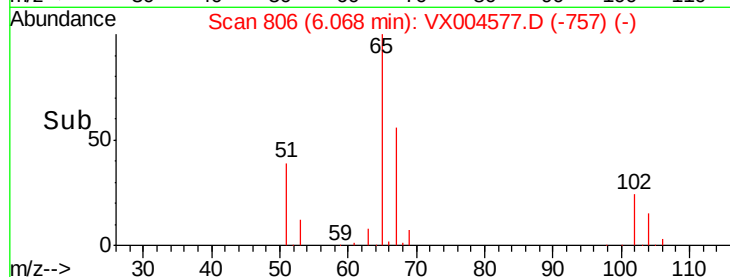
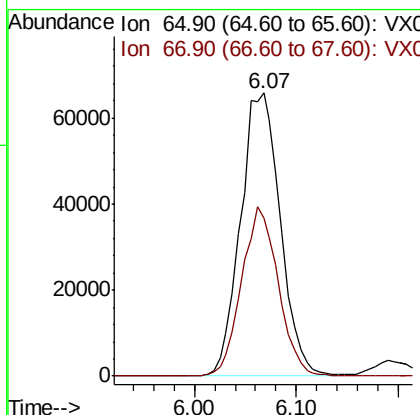
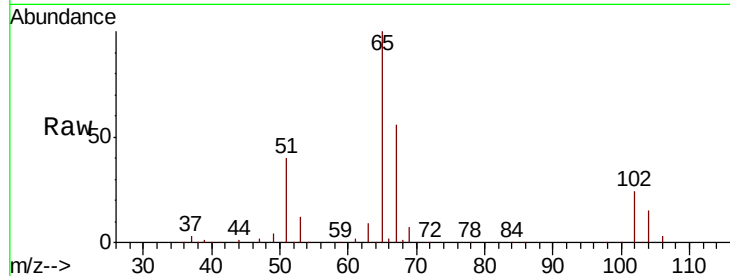
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.54 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 178638 |       |       |
| 67      | 55.1  | 0.0    | 106.8 |       |

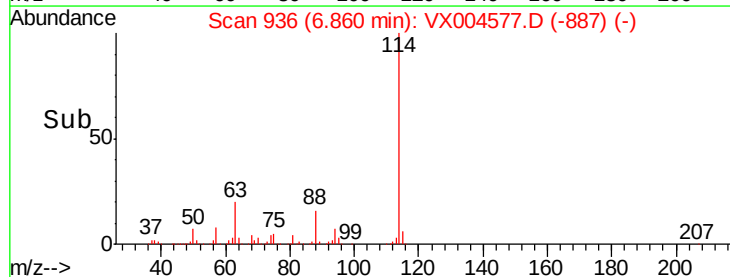
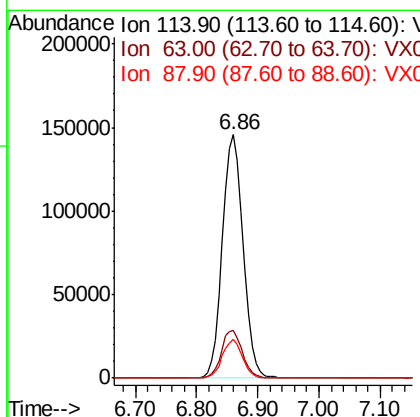
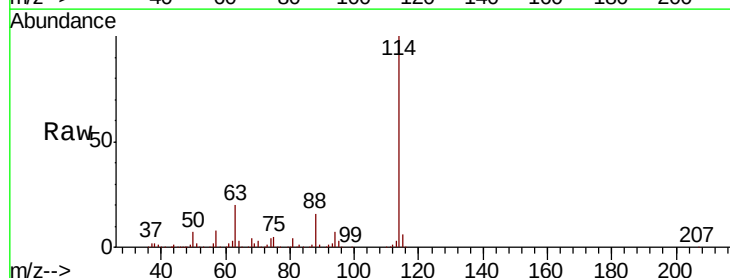
Manual Integrations  
 APPROVED

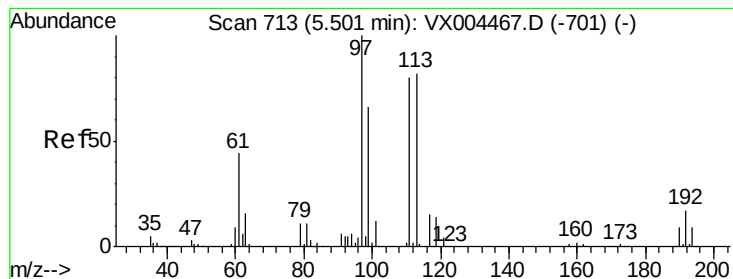
MMDadoda  
 9/17/2018 6:27:23 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 342510 |       |       |
| 63      | 19.5  | 0.0    | 39.0  |       |
| 88      | 15.7  | 0.0    | 30.4  |       |





#35

Dibromofluoromethane

Concen: 50.39 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

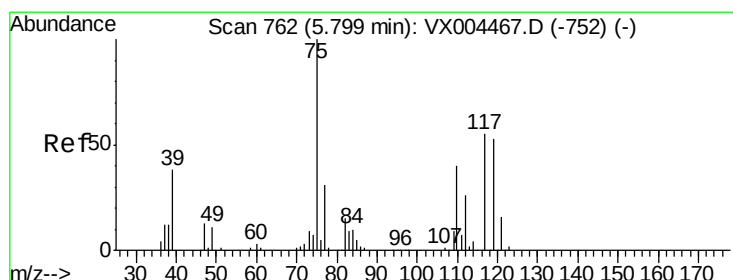
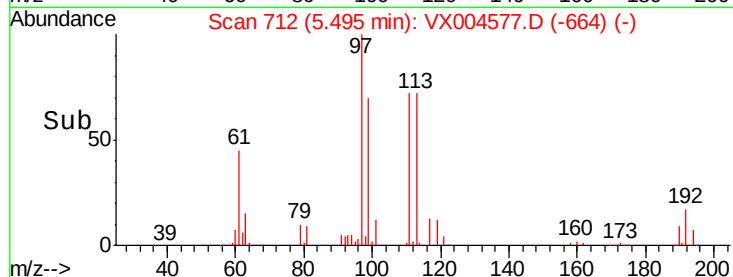
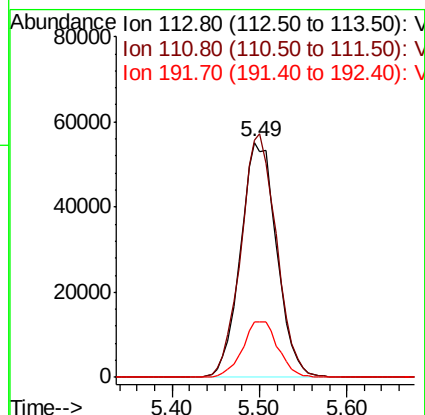
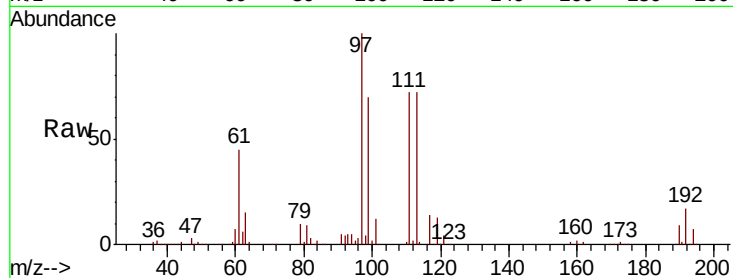
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 157950 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.1 | 82.4  | 123.6  |
| 192       | 23.4  | 19.4  | 29.2   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 53.71 ug/l

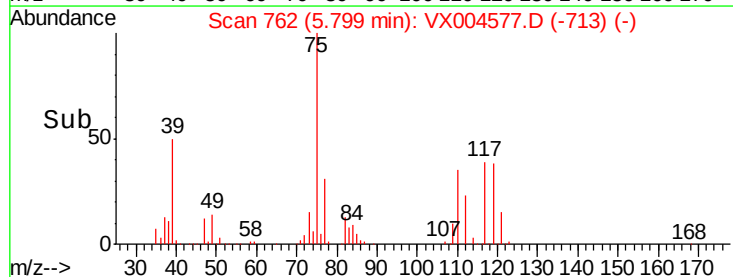
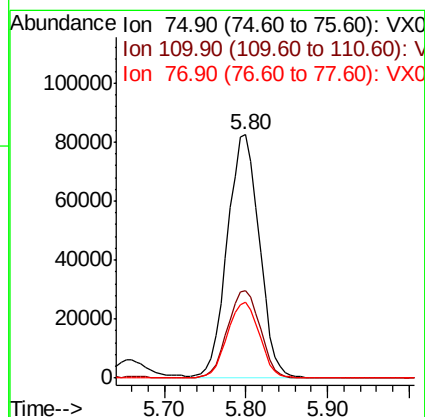
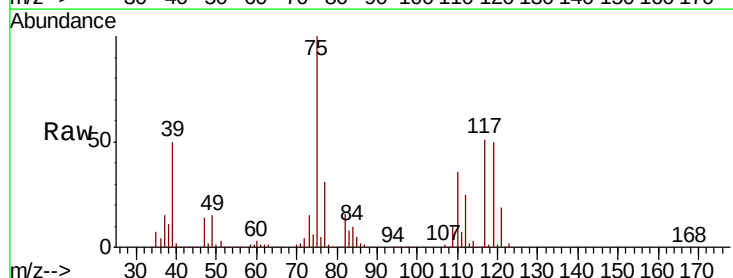
RT: 5.80 min Scan# 762

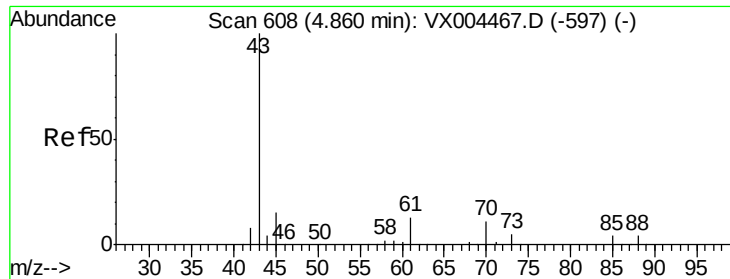
Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 223326 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 37.0  | 18.0  | 54.0   |
| 77        | 32.0  | 24.6  | 36.8   |





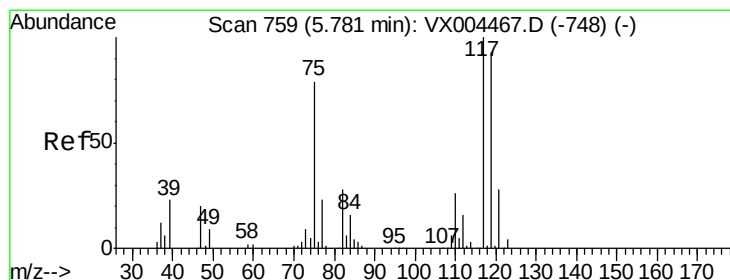
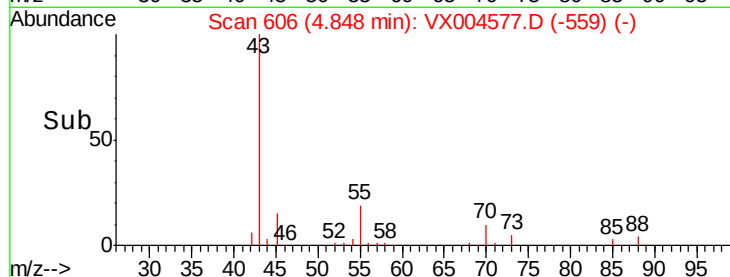
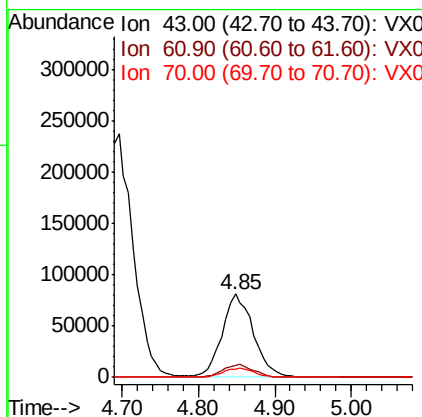
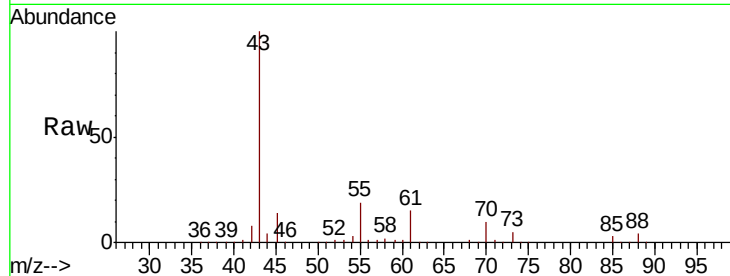
#37  
Ethyl Acetate  
Concen: 48.19 ug/l  
RT: 4.85 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.2  | 11.5  | 17.3  |
| 70      | 11.1  | 9.0   | 13.6  |

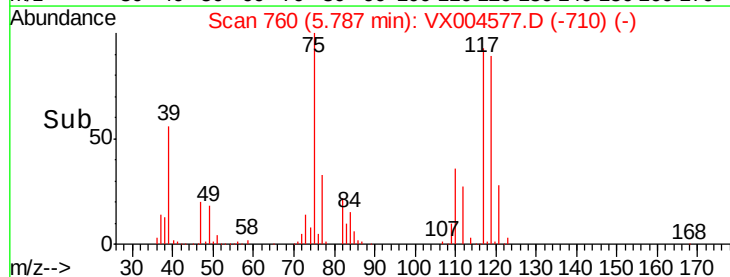
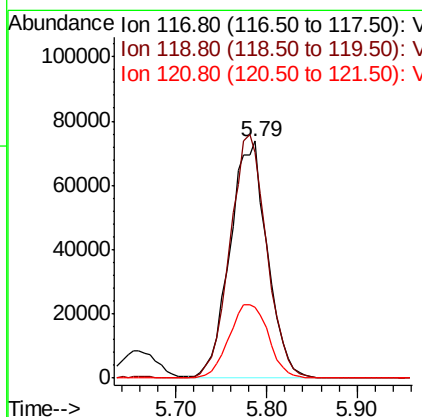
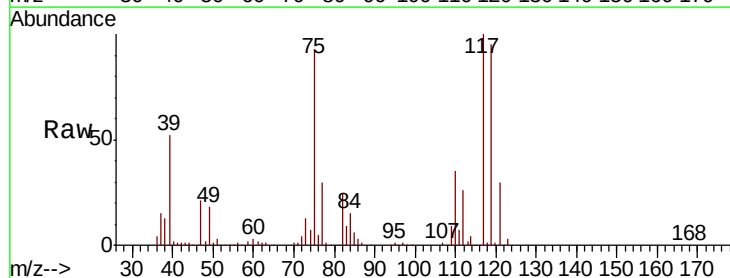
Manual Integrations  
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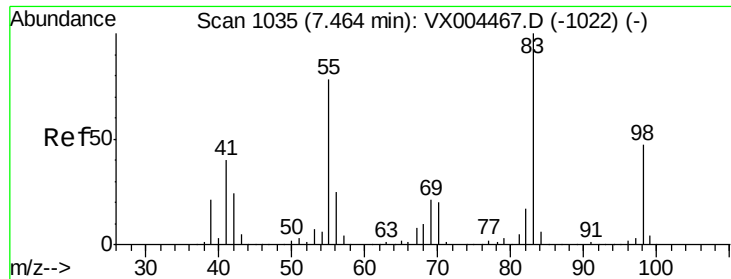


#38  
Carbon Tetrachloride  
Concen: 51.78 ug/l  
RT: 5.79 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.1  | 78.8  | 118.2 |
| 121     | 29.8  | 24.9  | 37.3  |







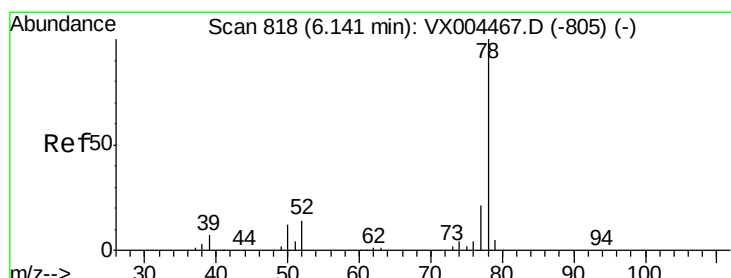
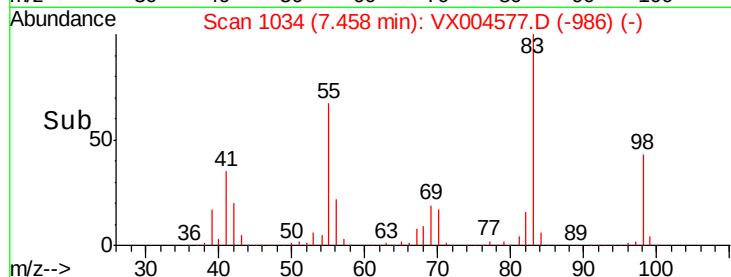
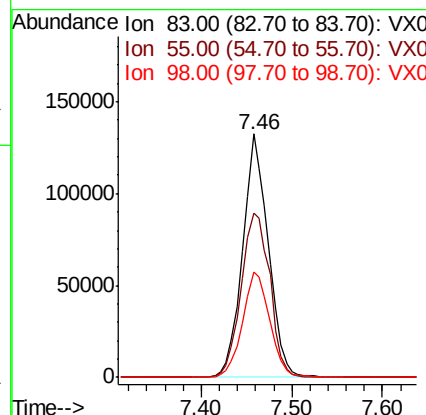
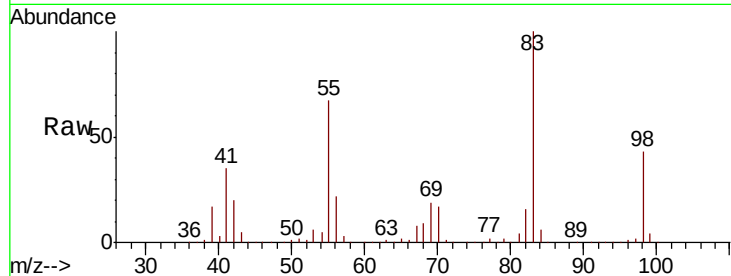
#39  
Methylvlcyclohexane  
Concen: 59.72 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 67.4  | 61.0 | 91.4  |       |
| 98      | 43.5  | 39.6 | 59.4  |       |

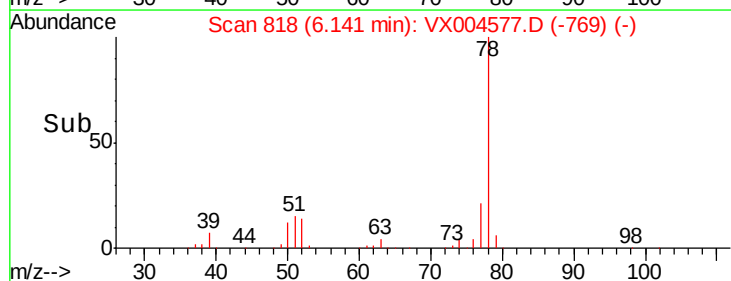
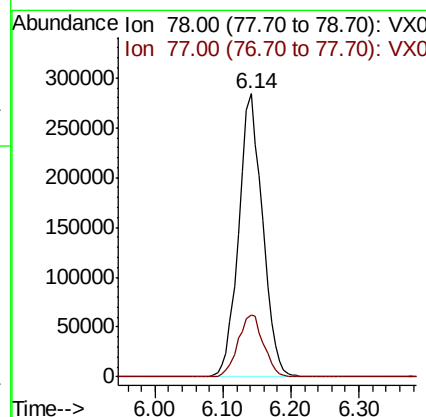
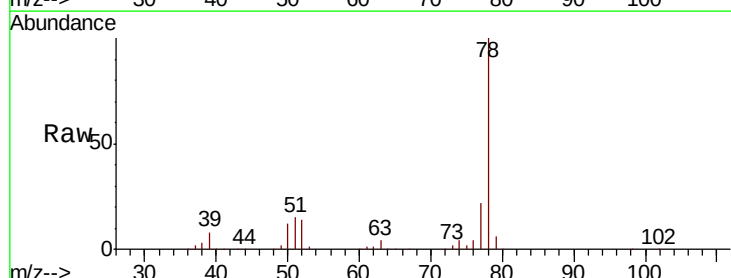
Manual Integrations  
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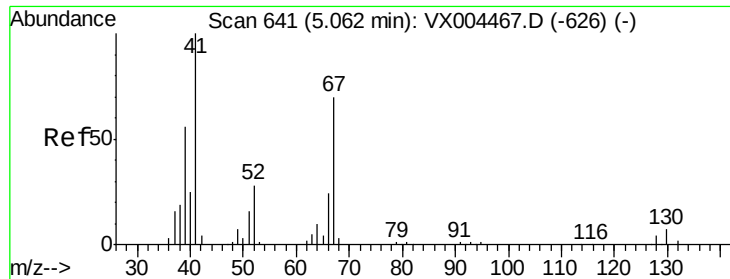
MMDadoda  
9/17/2018 6:27:23 PM



#40  
Benzene  
Concen: 56.14 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 21.8  | 19.0 | 28.4  |       |





#41

Methacrylonitrile

Concen: 50.94 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

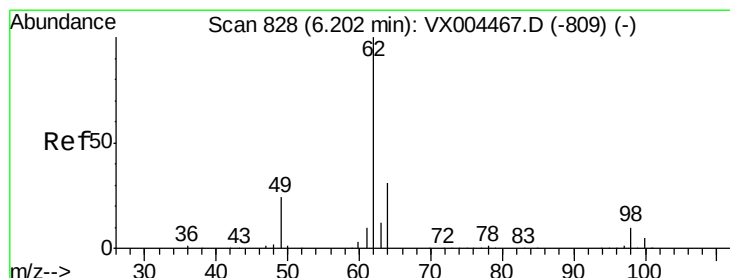
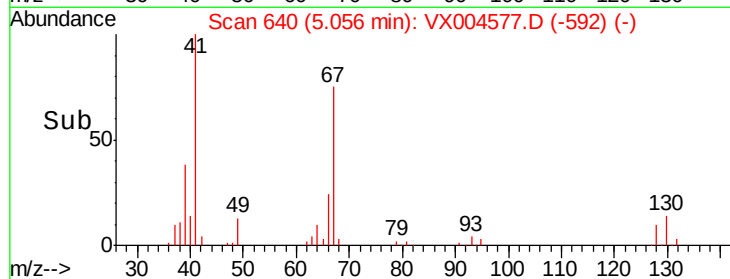
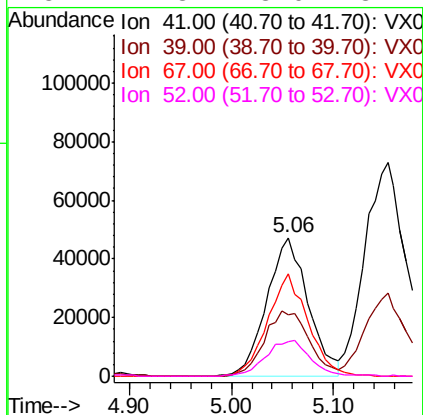
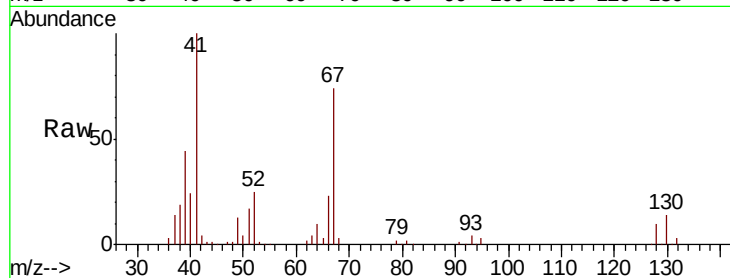
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 51.3 | 42.4  | 63.6  |       |
| 67      | 72.2 | 59.2  | 88.8  |       |
| 52      | 27.3 | 23.0  | 34.4  |       |

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#42

1,2-Dichloroethane

Concen: 53.31 ug/l

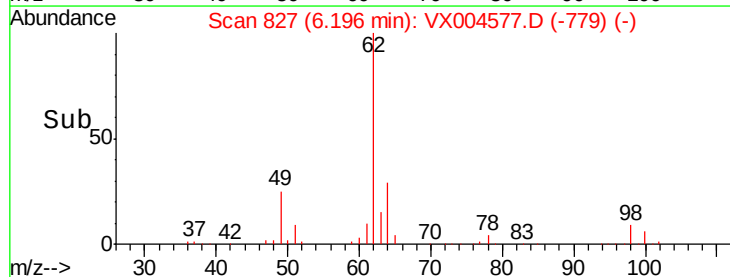
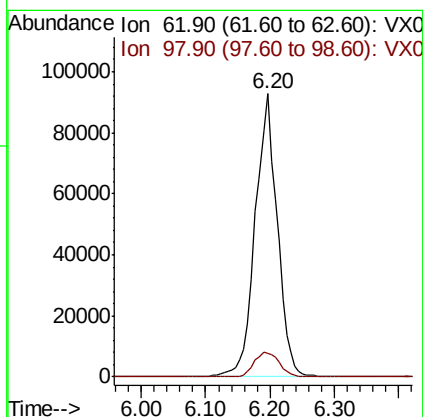
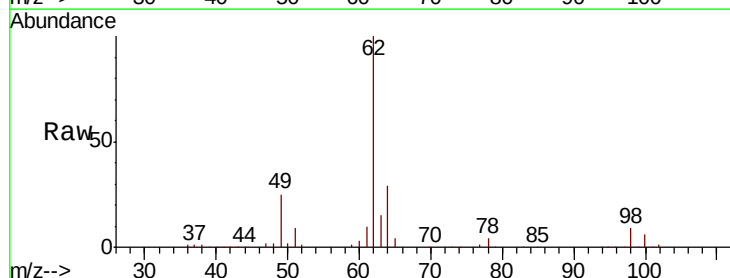
RT: 6.20 min Scan# 827

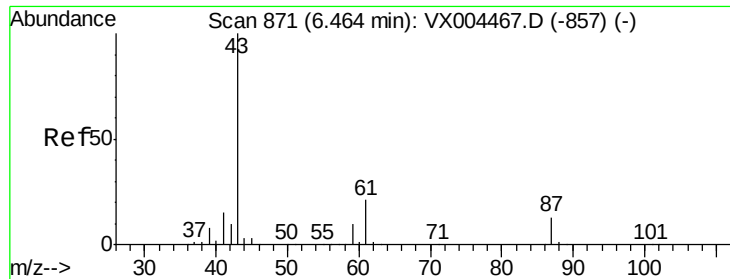
Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.9 | 0.0   | 20.6  |       |





#43

Isopropyl Acetate

Concen: 58.07 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

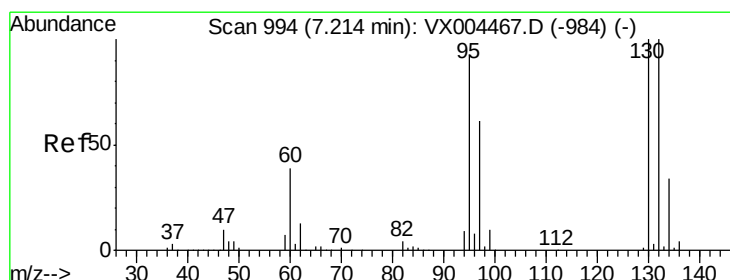
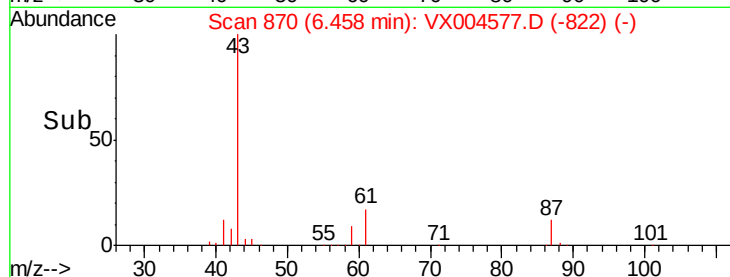
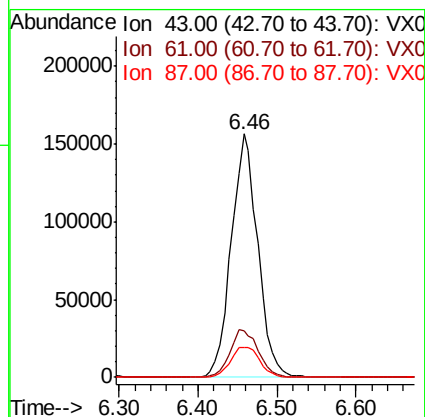
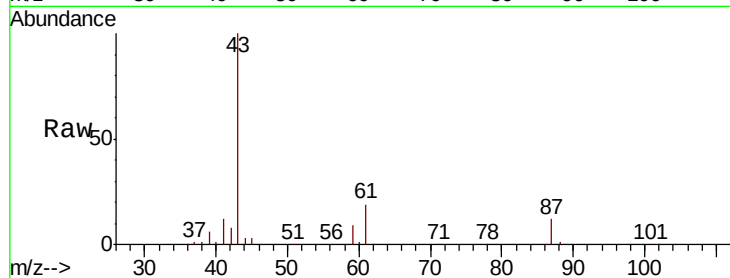
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 364759 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.0  | 17.0  | 25.4   |
| 87       | 14.0  | 11.4  | 17.2   |

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#44

Trichloroethene

Concen: 51.98 ug/l

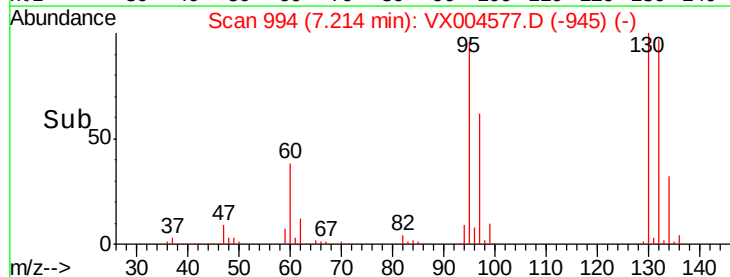
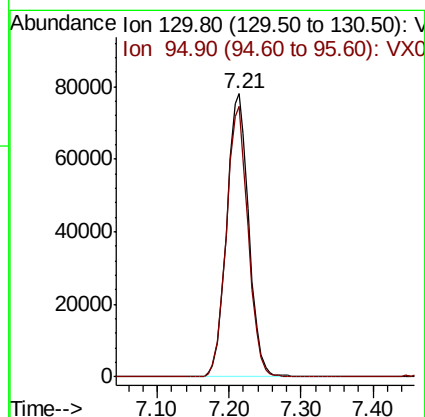
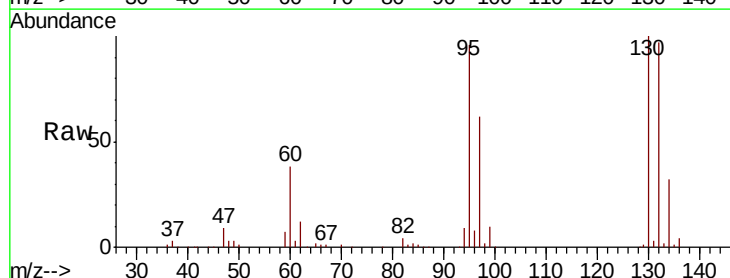
RT: 7.21 min Scan# 994

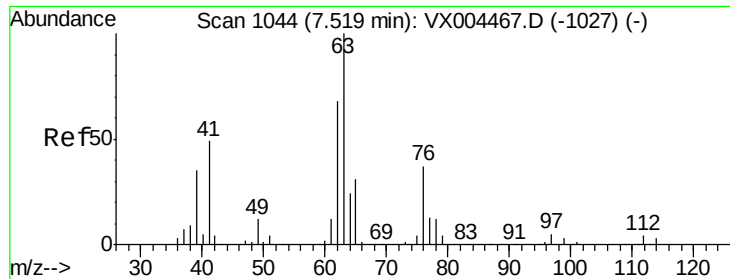
Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 166620 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.8  | 0.0   | 181.6  |





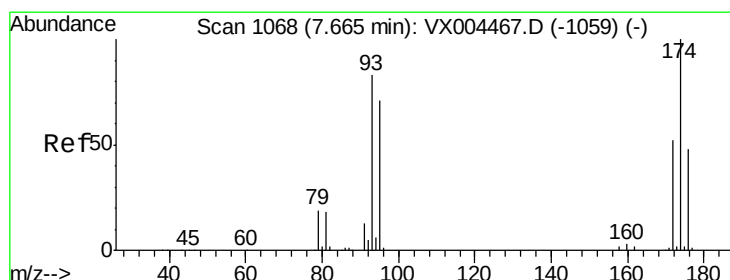
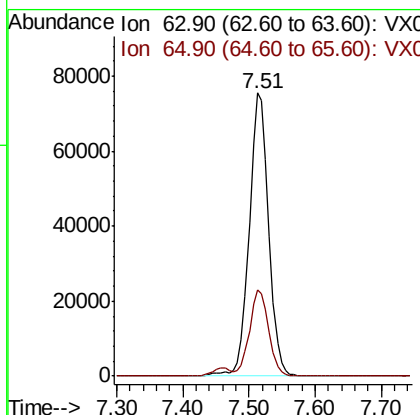
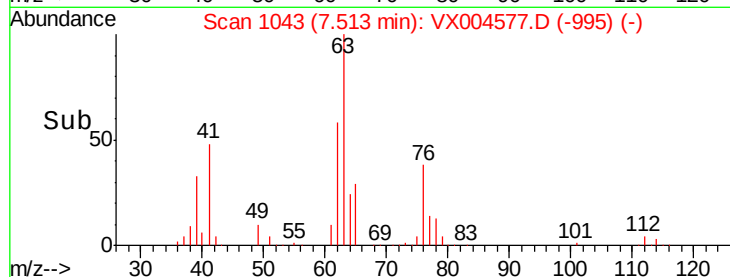
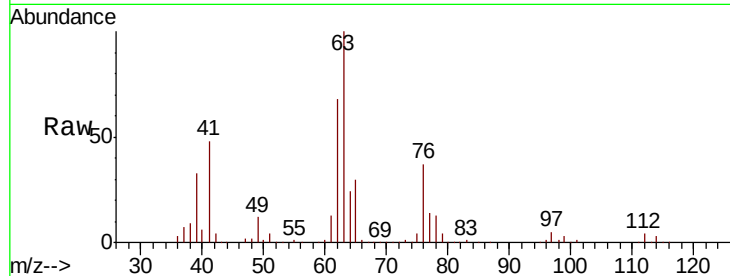
#45  
 1,2-Dichloropropane  
 Concen: 52.26 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.4  | 24.3  | 36.5  |

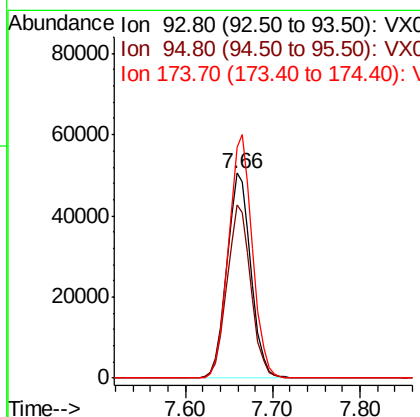
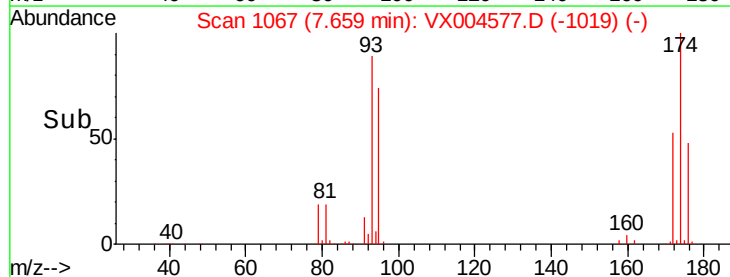
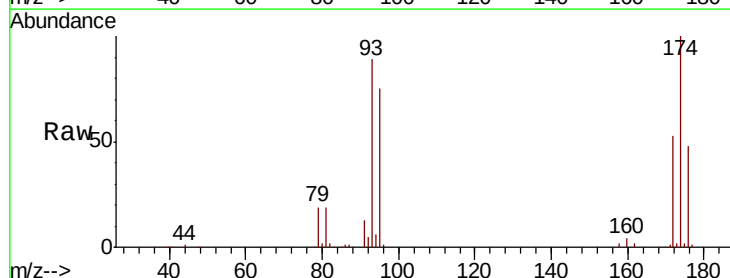
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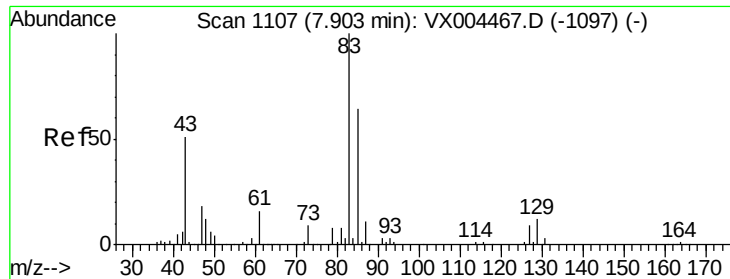
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#46  
 Dibromomethane  
 Concen: 51.30 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.9  | 65.5  | 98.3  |
| 174     | 118.2 | 94.2  | 141.4 |





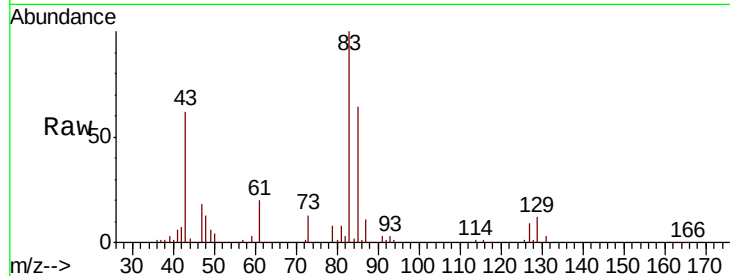
#47  
Bromodichloromethane  
Concen: 52.27 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

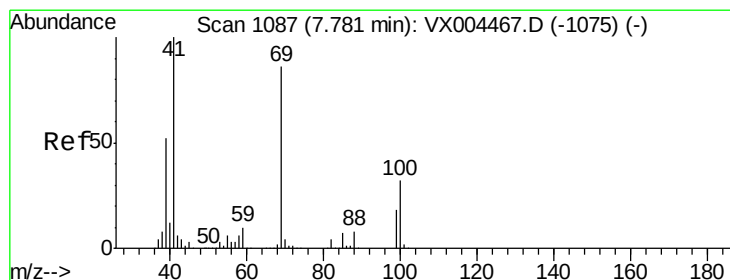
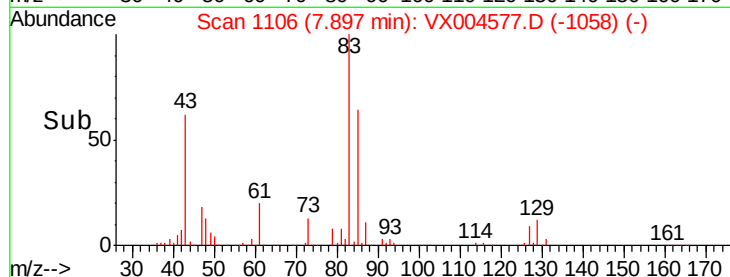
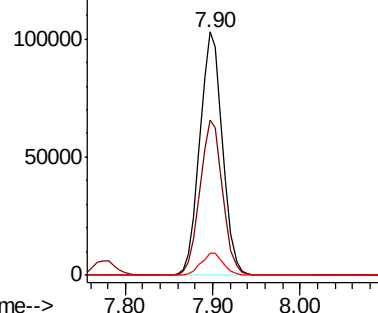
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 185374 |       |       |
| 85      | 63.9  | 50.9   | 76.3  |       |
| 127     | 9.4   | 7.3    | 10.9  |       |

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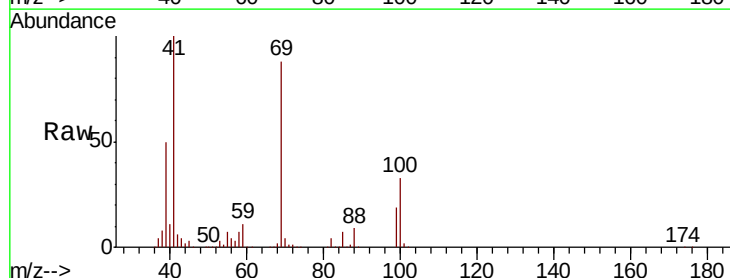


Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V

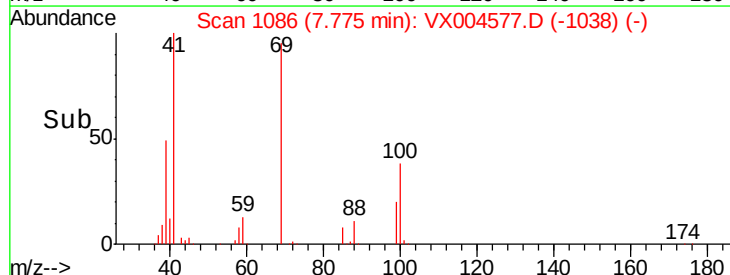
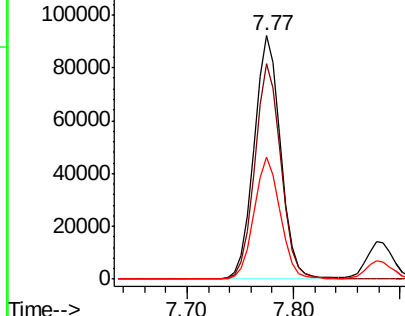


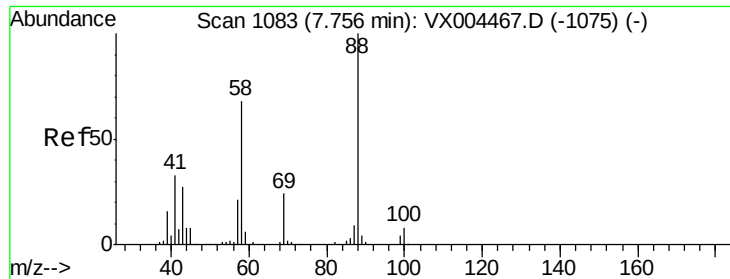
#48  
Methyl methacrylate  
Concen: 51.92 ug/l  
RT: 7.77 min Scan# 1086  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 161401 |       |       |
| 69      | 87.4  | 70.2   | 105.4 |       |
| 39      | 49.7  | 42.7   | 64.1  |       |



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1007.11 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

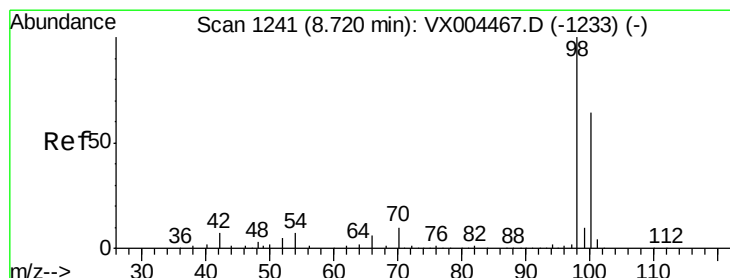
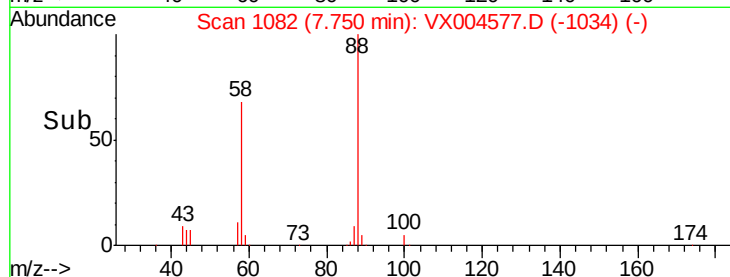
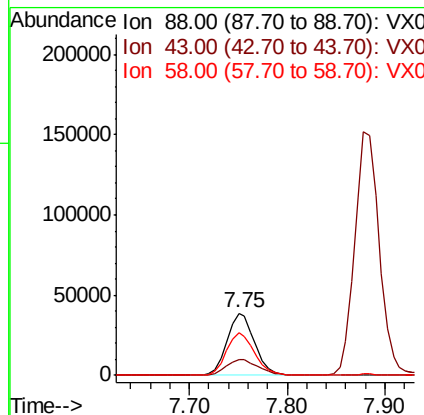
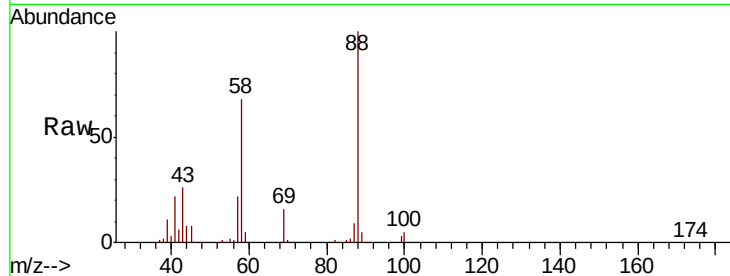
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 74100 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 29.4  | 24.7  | 37.1  |
| 58       | 70.4  | 55.3  | 82.9  |

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#50

Toluene-d8

Concen: 49.88 ug/l

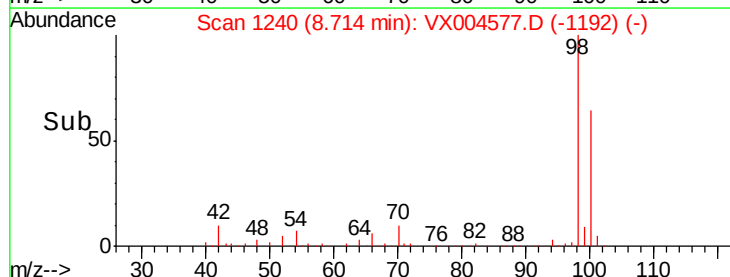
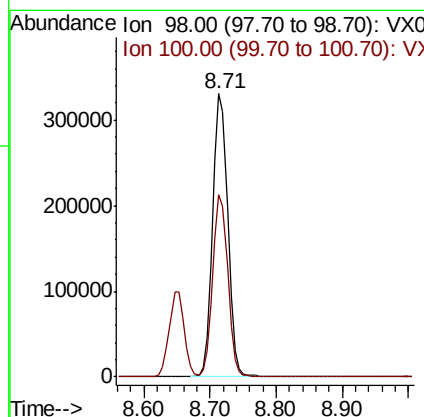
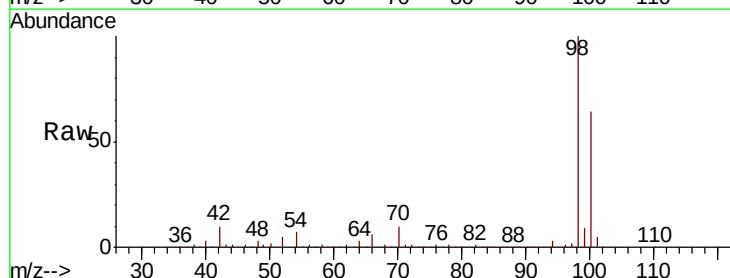
RT: 8.71 min Scan# 1240

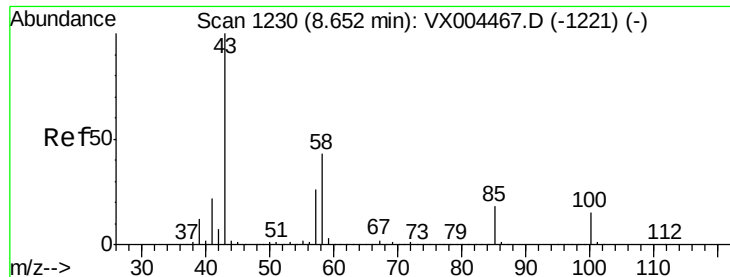
Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 524328 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.1  | 52.9  | 79.3   |





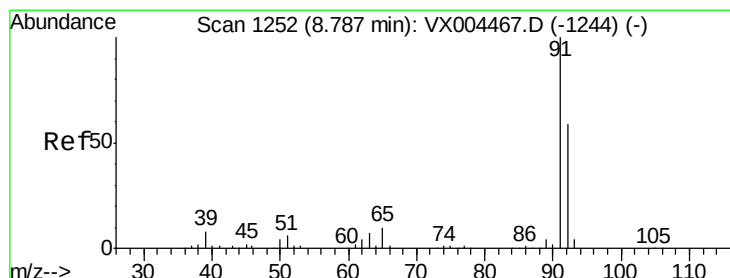
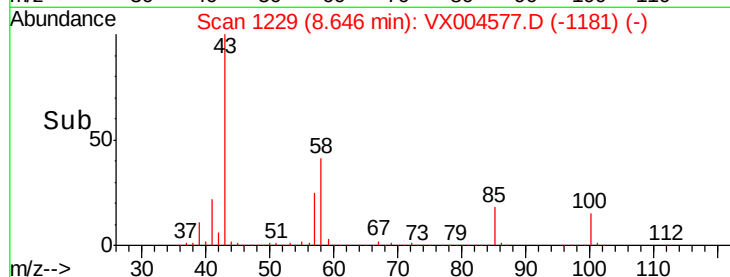
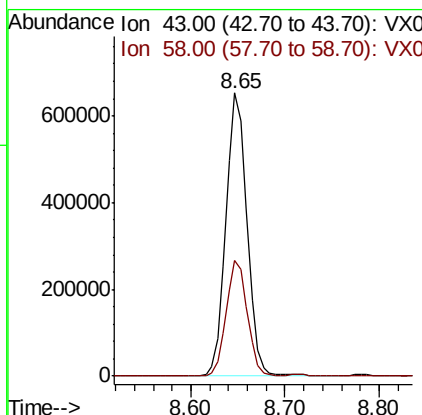
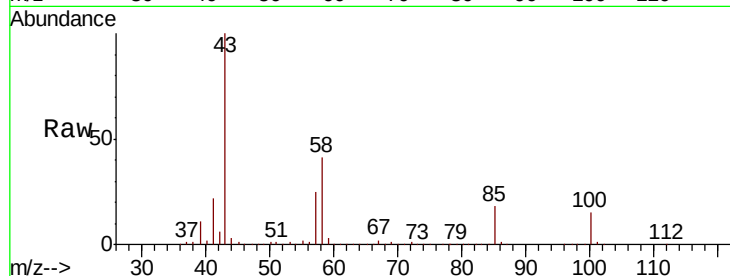
#51  
4-Methyl-2-Pentanone  
Concen: 229.32 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1016555  
Ion Ratio Lower Upper  
43 100  
58 40.6 33.1 49.7

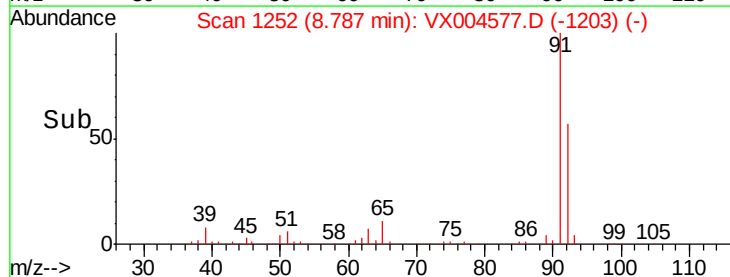
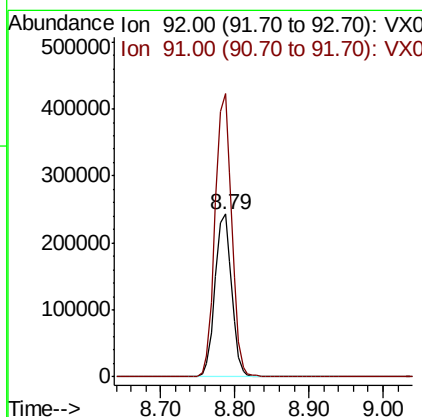
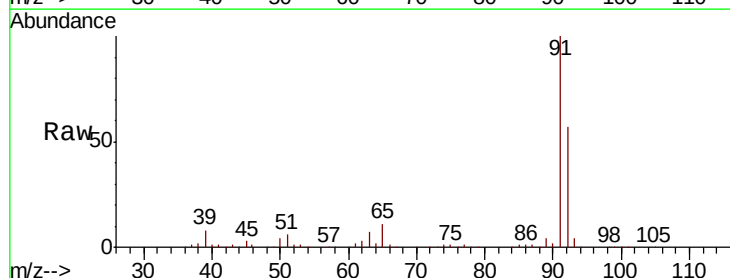
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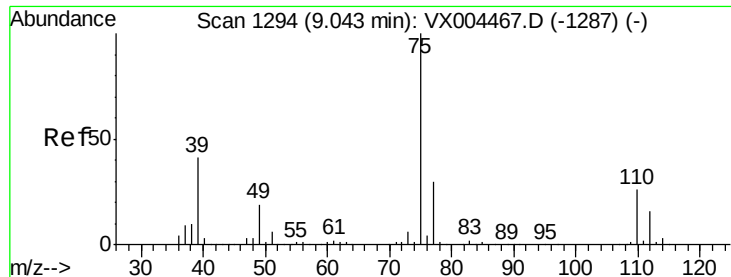
MMDadoda  
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#52  
Toluene  
Concen: 51.19 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Tgt Ion: 92 Resp: 372120  
Ion Ratio Lower Upper  
92 100  
91 173.7 136.4 204.6





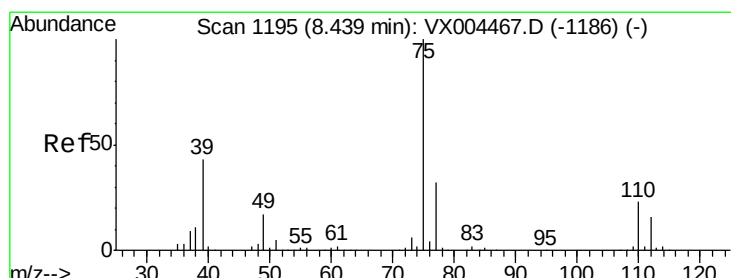
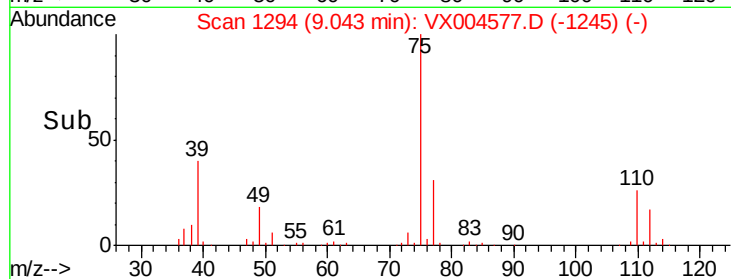
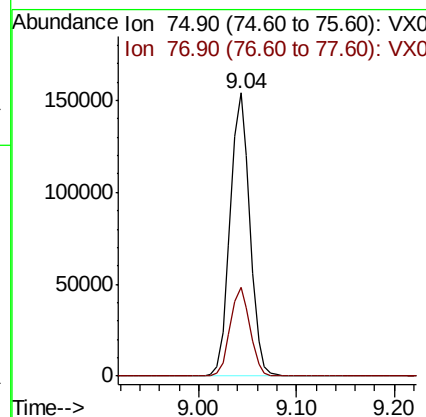
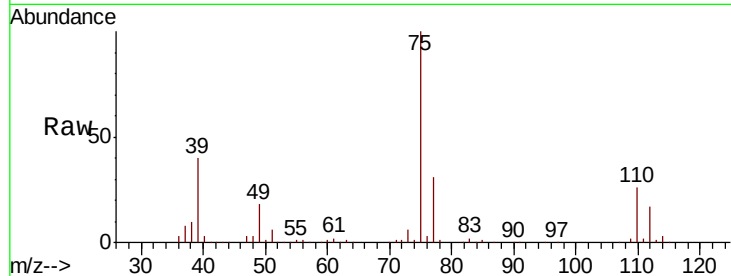
#53  
 t-1,3-Dichloropropene  
 Concen: 52.07 ug/l  
 RT: 9.04 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 24.6  | 37.0  |

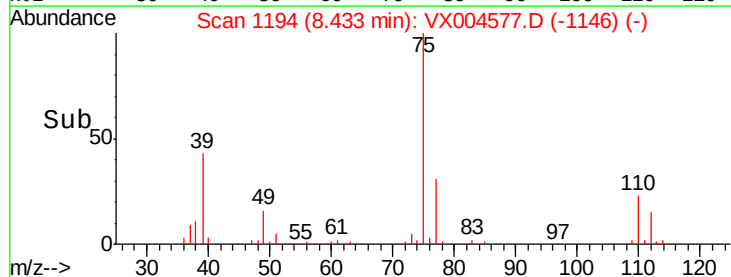
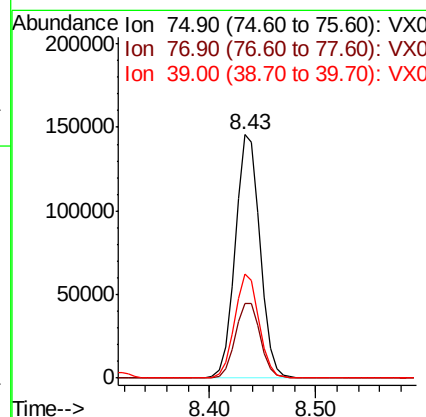
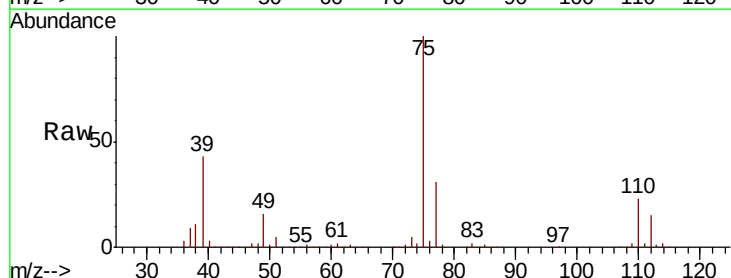
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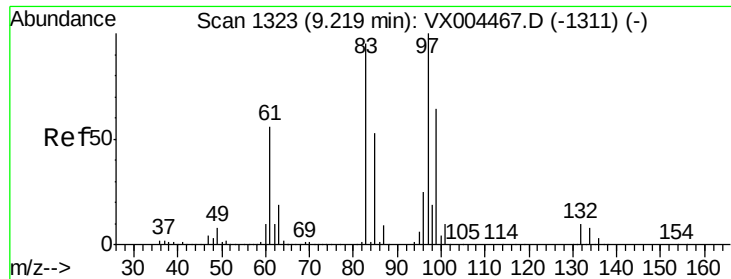


#54  
 cis-1,3-Dichloropropene  
 Concen: 56.19 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 26.2  | 39.2  |
| 39      | 42.8  | 36.4  | 54.6  |







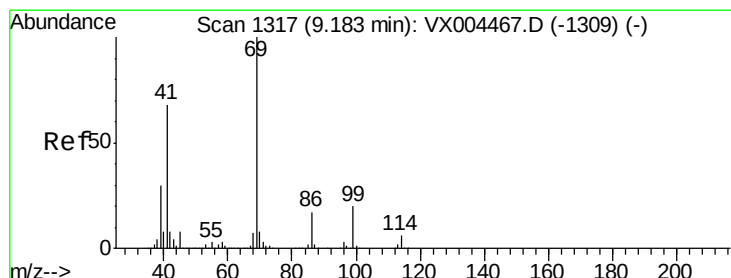
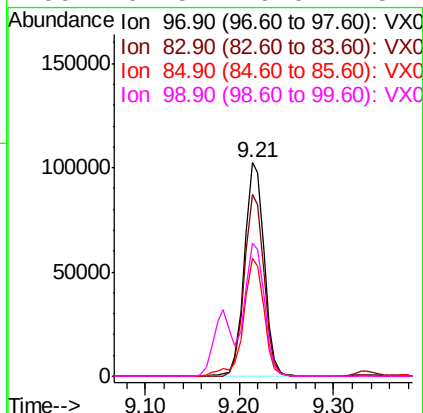
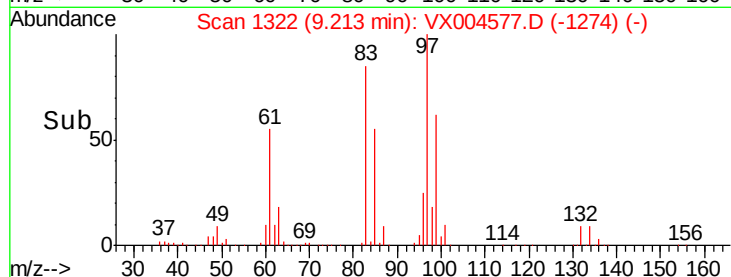
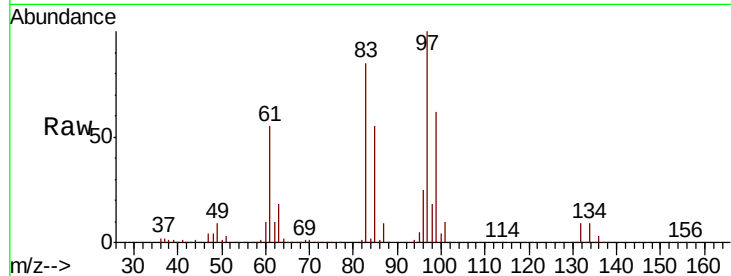
#55  
 1,1,2-Trichloroethane  
 Concen: 47.91 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 149954 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.2  | 66.4  | 99.6   |
| 85       | 55.4  | 43.3  | 64.9   |
| 99       | 62.5  | 49.0  | 73.4   |

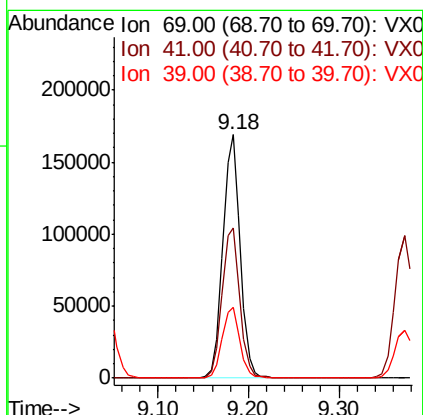
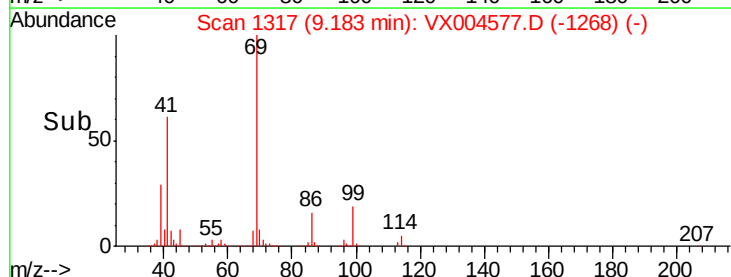
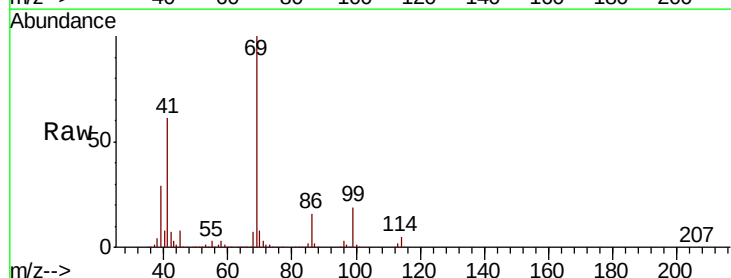
Manual Integrations  
 APPROVED

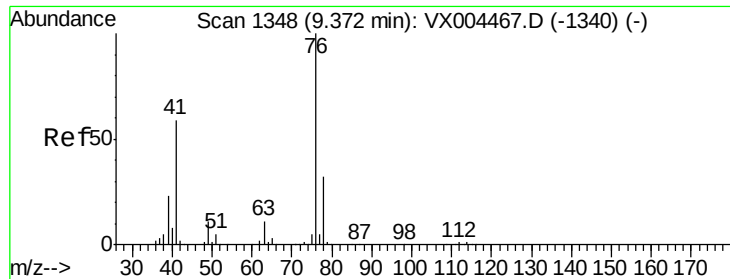
MMDadoda  
 9/17/2018 6:27:23 PM



#56  
 Ethyl methacrylate  
 Concen: 51.34 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 227309 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.2  | 51.0  | 76.4   |
| 39       | 29.6  | 26.1  | 39.1   |





#57

1,3-Dichloropropane

Concen: 48.94 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 248863

Ion Ratio Lower Upper

76 100

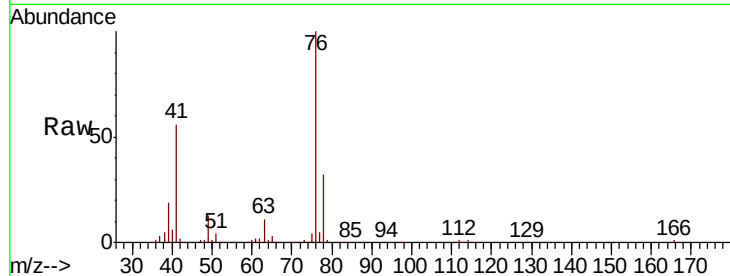
78 31.9 25.5 38.3

Manual Integrations

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9/17/2018 6:27:23 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

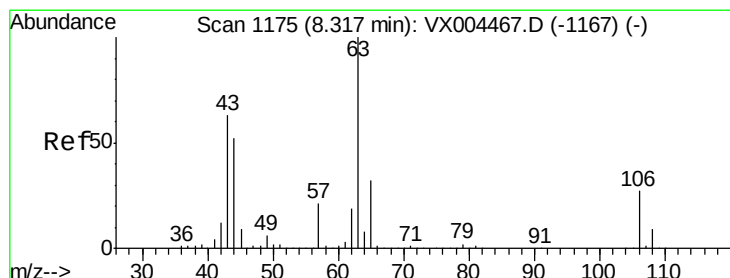
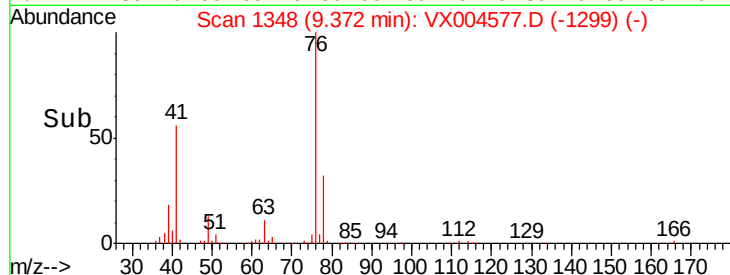
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 153.92 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004577.D

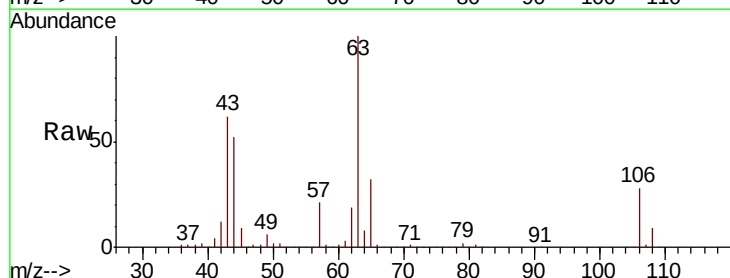
Acq: 15 Sep 2018 11:33

Tgt Ion: 63 Resp: 340730

Ion Ratio Lower Upper

63 100

106 27.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

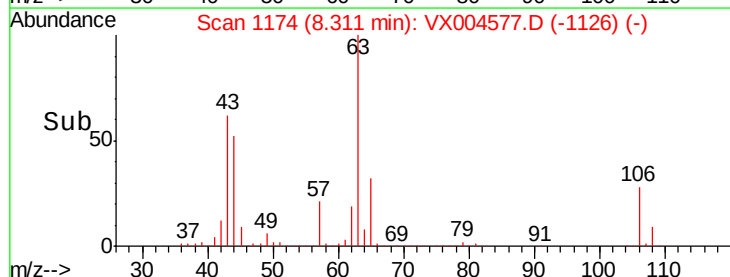
150000

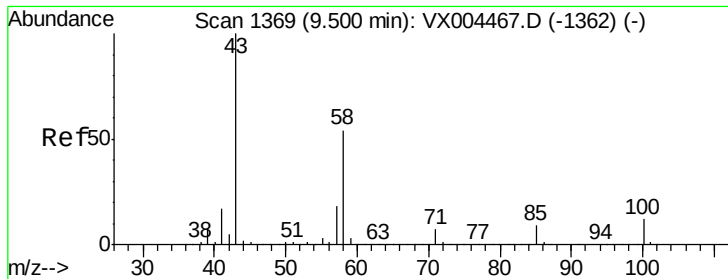
100000

50000

0

Time-->





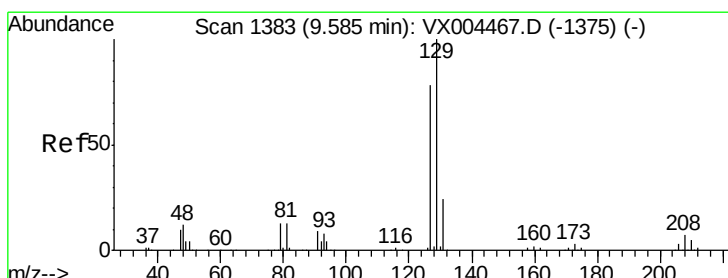
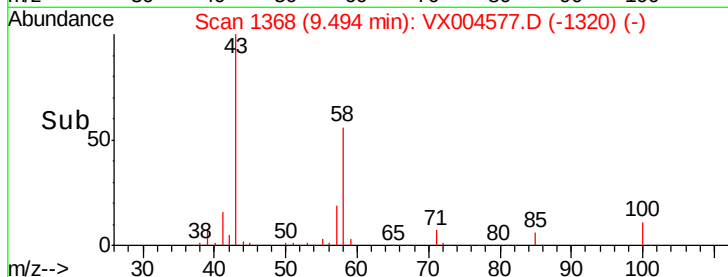
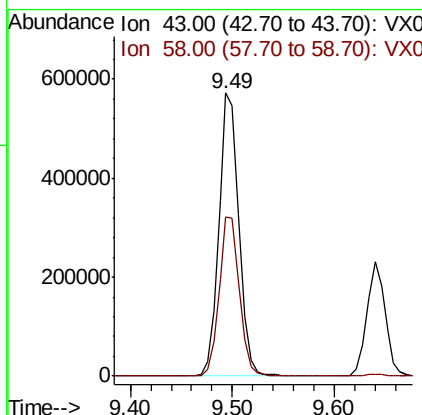
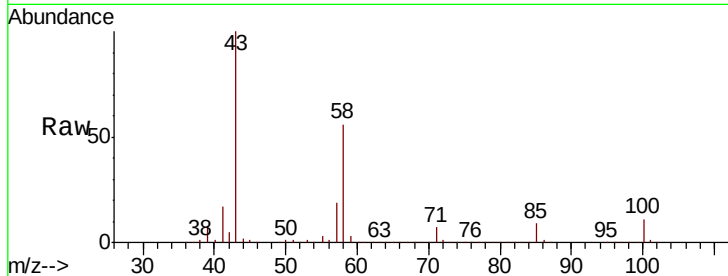
#59  
 2-Hexanone  
 Concen: 231.54 ug/l  
 RT: 9.49 min Scan# 1368  
 Delta R.T. -0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.9  | 29.0  | 87.0  |

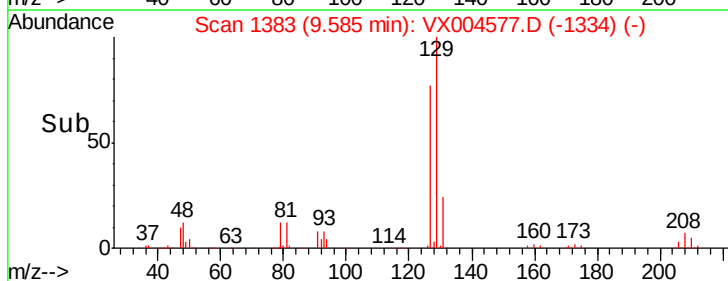
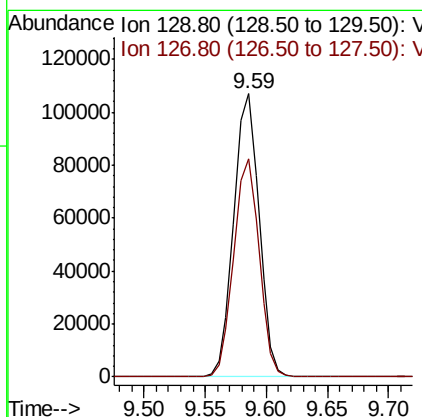
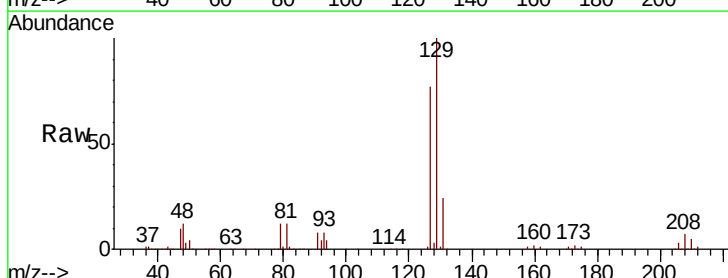
Manual Integrations  
 APPROVED

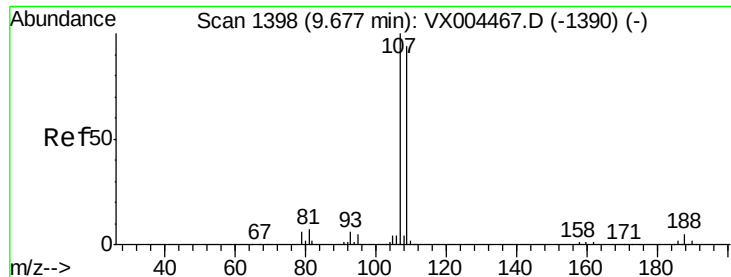
MMDadoda  
 9/17/2018 6:27:23 PM



#60  
 Dibromochloromethane  
 Concen: 52.11 ug/l  
 RT: 9.59 min Scan# 1383  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.0  | 38.5  | 115.5 |





#61

1,2-Dibromoethane

Concen: 51.40 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 153671

Ion Ratio Lower Upper

107 100

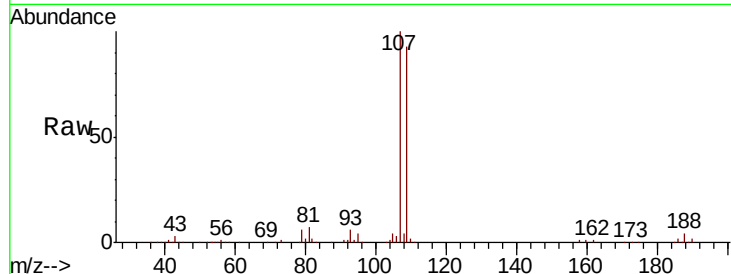
109 93.9 76.0 114.0

Manual Integrations

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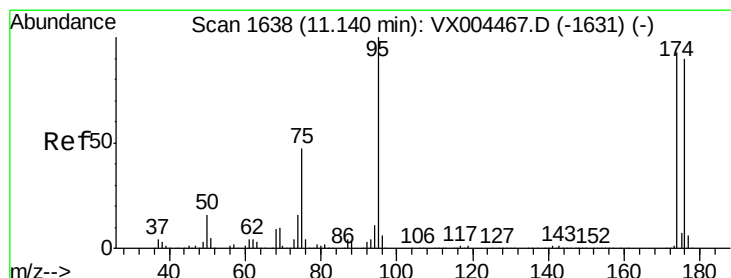
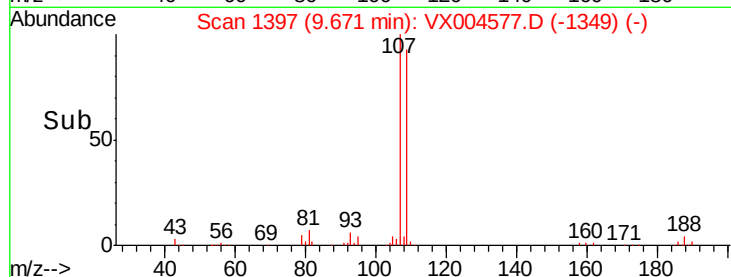
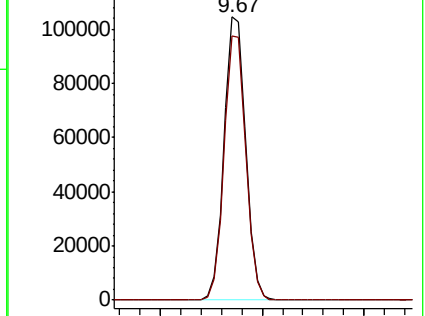
MMDadoda

9/17/2018 6:27:23 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.54 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

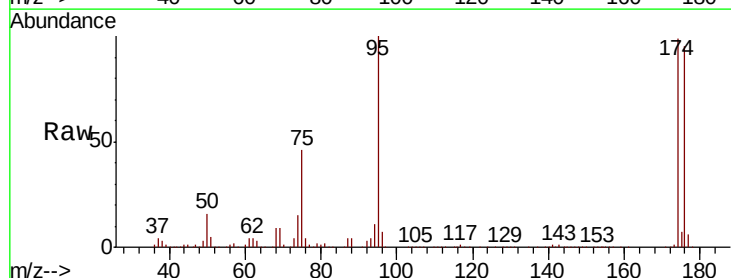
Tgt Ion: 95 Resp: 193371

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

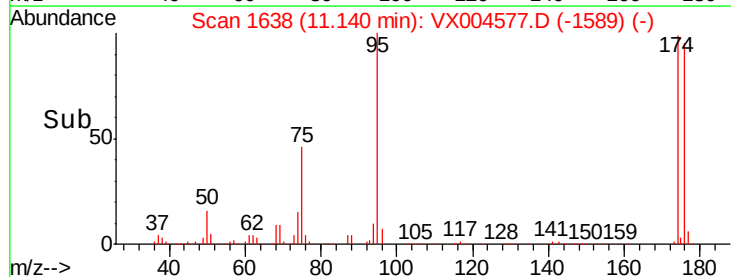
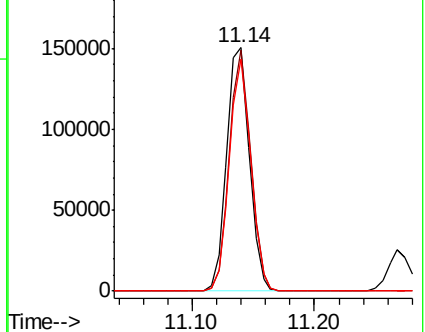
176 90.0 0.0 178.6

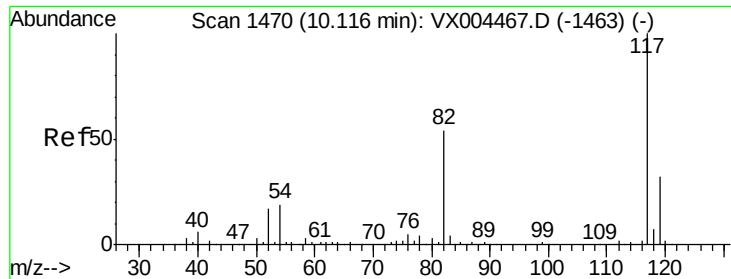


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





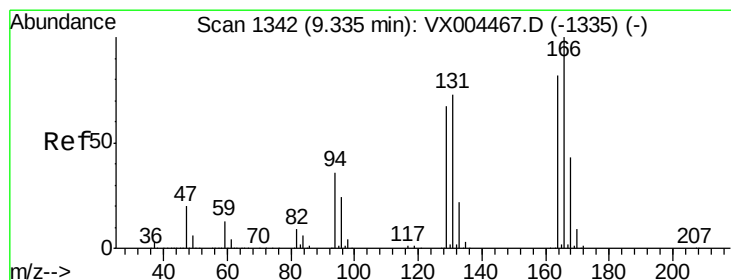
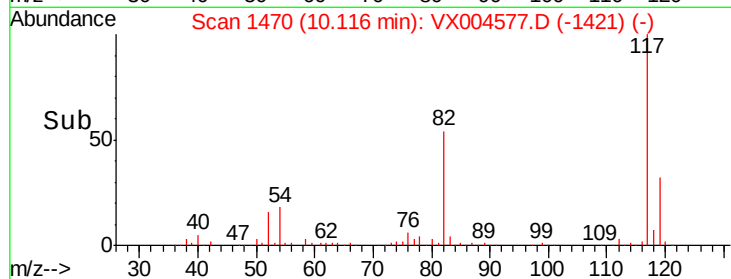
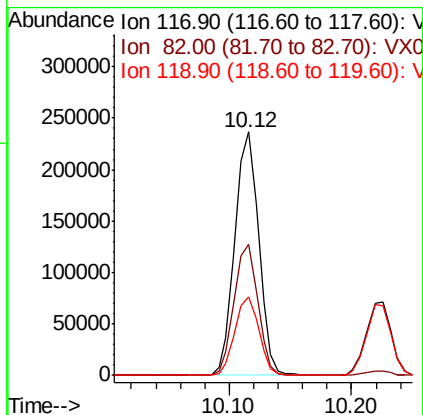
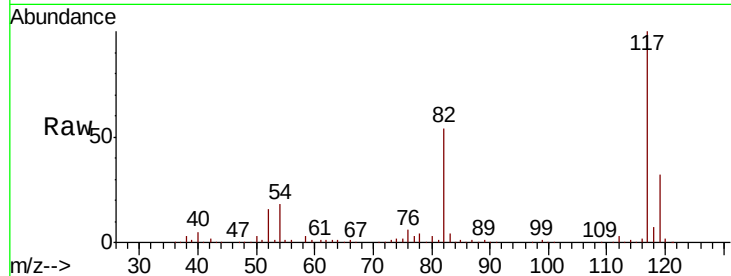
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 318956 |       |       |
| 82      | 53.8  | 47.8   | 71.6  |       |
| 119     | 32.5  | 29.3   | 43.9  |       |

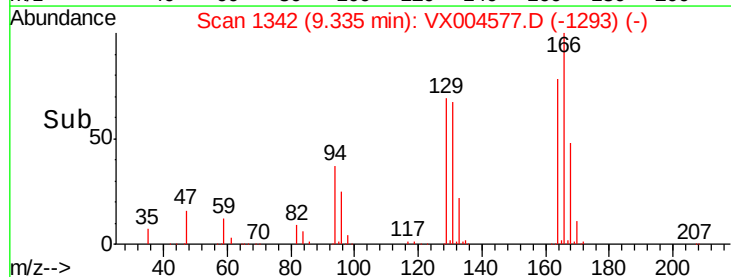
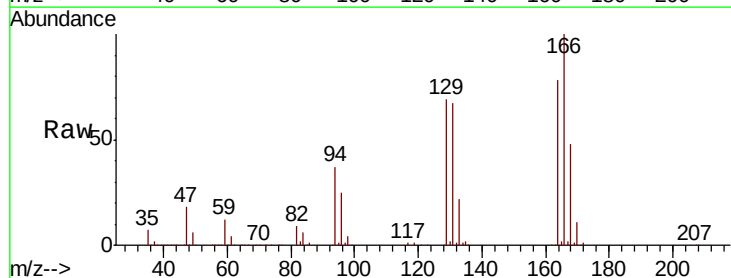
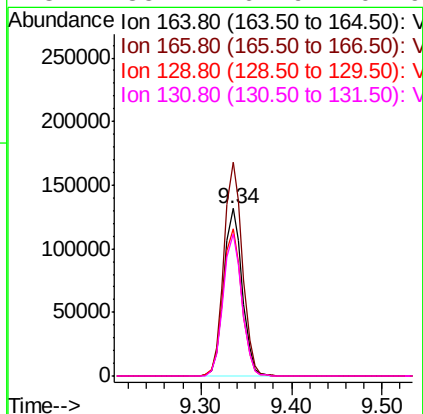
Manual Integrations  
APPROVED

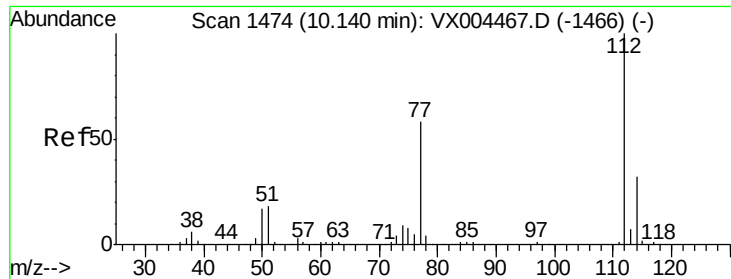
MMDadoda  
9/17/2018 6:27:23 PM



#64  
Tetrachloroethene  
Concen: 47.03 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 187298 |       |       |
| 166     | 127.8 | 102.8  | 154.2 |       |
| 129     | 87.9  | 69.4   | 104.0 |       |
| 131     | 85.1  | 67.9   | 101.9 |       |





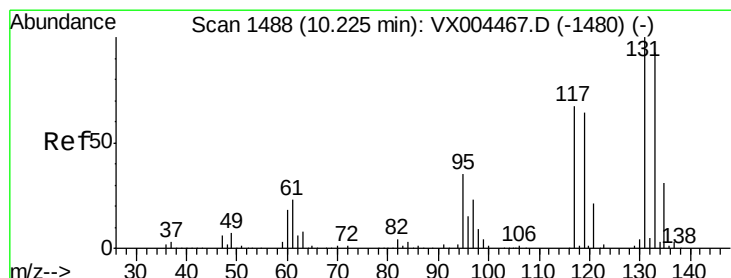
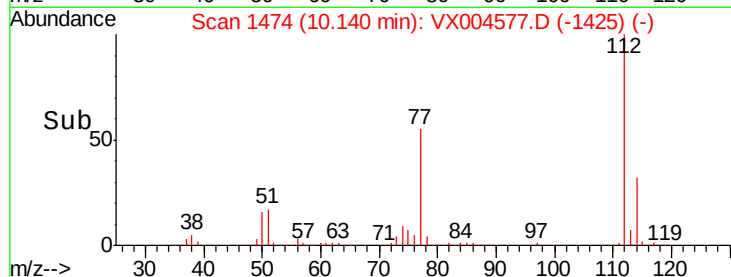
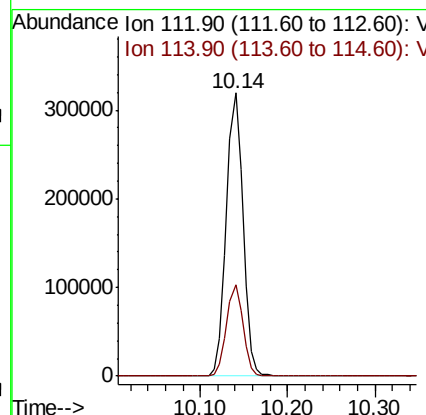
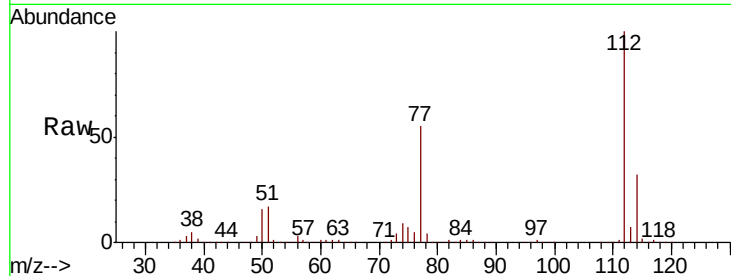
#65  
Chlorobenzene  
Concen: 53.29 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.2  | 27.8  | 41.8  |

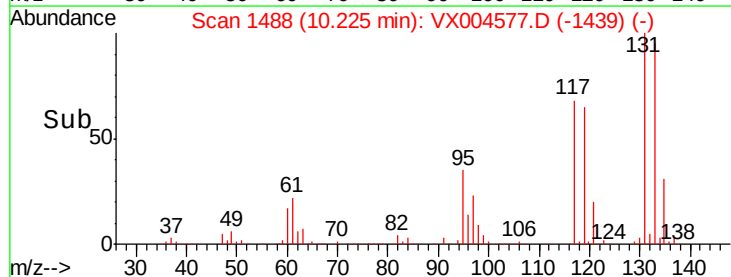
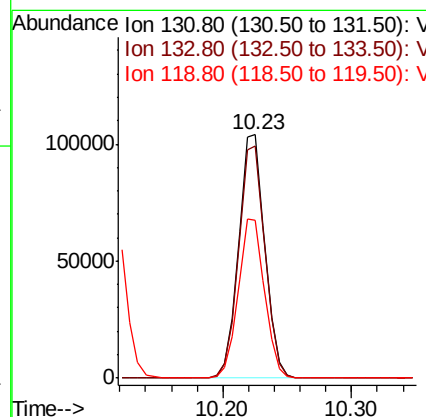
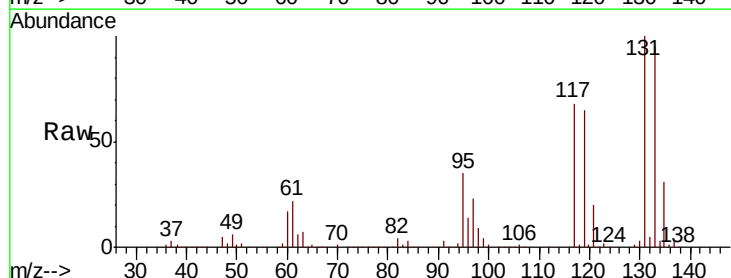
Manual Integrations  
APPROVED

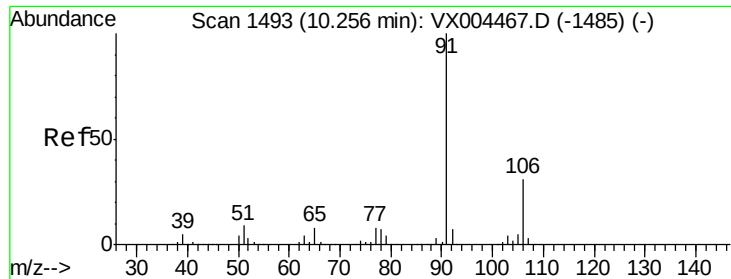
MMDadoda  
9/17/2018 6:27:23 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.87 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.8  | 48.1  | 144.4 |
| 119     | 65.9  | 32.9  | 98.6  |





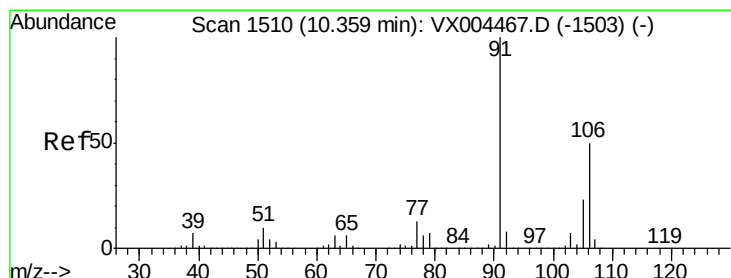
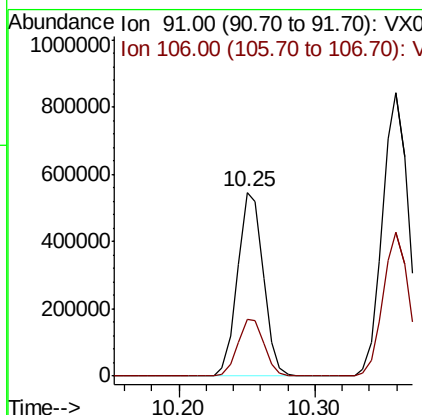
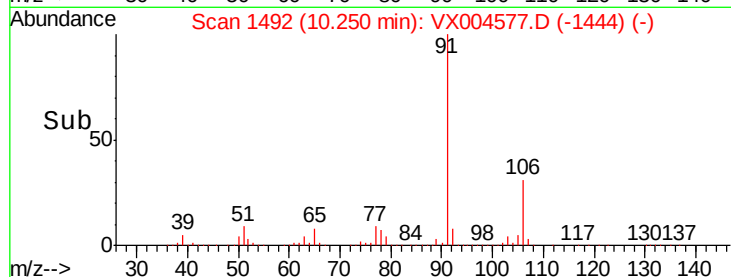
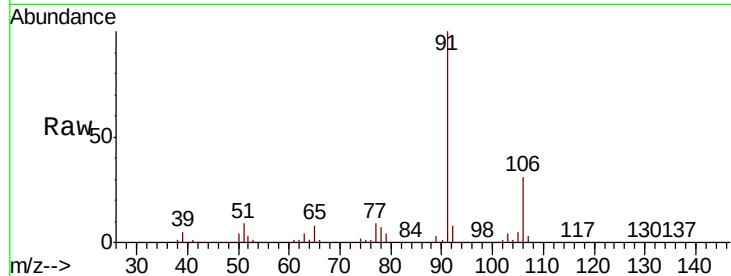
#67  
Ethyl Benzene  
Concen: 55.94 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 720590  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.9 38.9

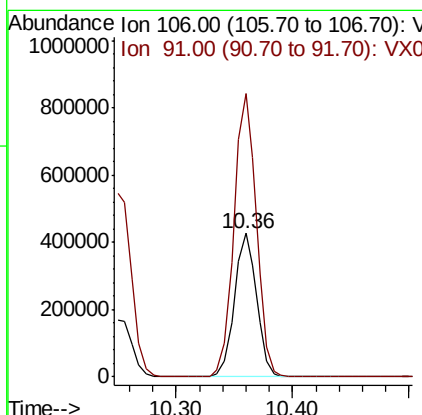
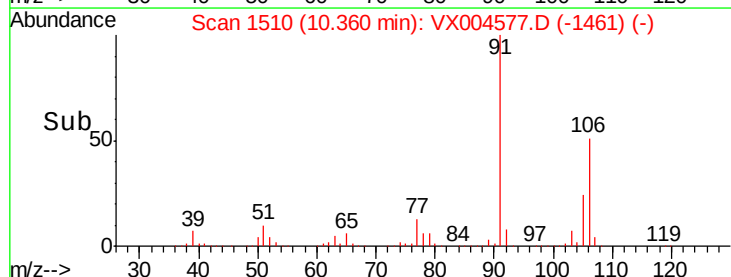
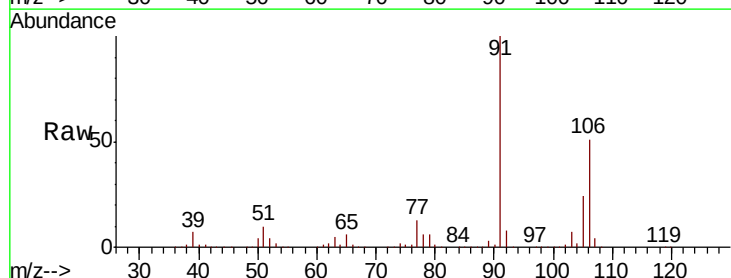
Manual Integrations  
APPROVED

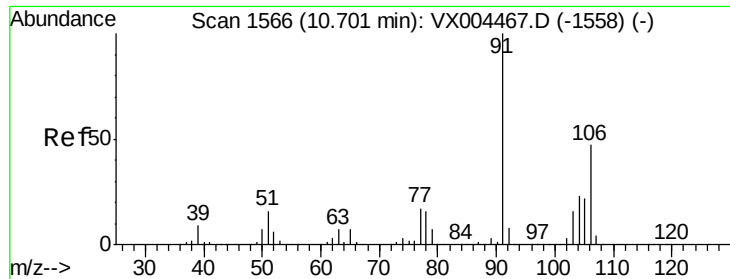
MMDadoda  
9/17/2018 6:27:23 PM



#68  
m/p-Xylenes  
Concen: 113.65 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Tgt Ion: 106 Resp: 563953  
Ion Ratio Lower Upper  
106 100  
91 200.3 157.1 235.7





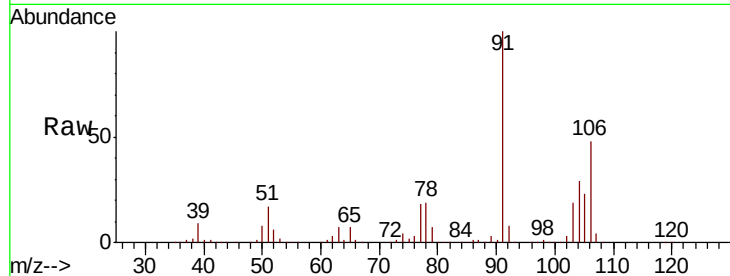
#69  
o-Xylene  
Concen: 57.17 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

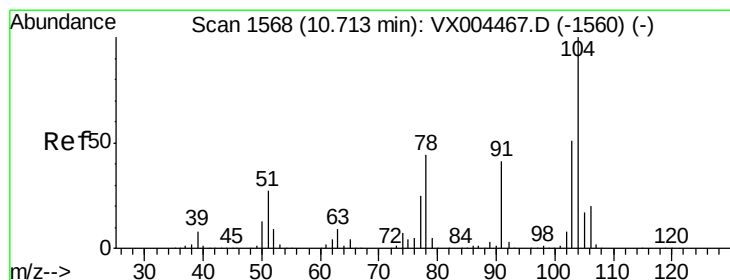
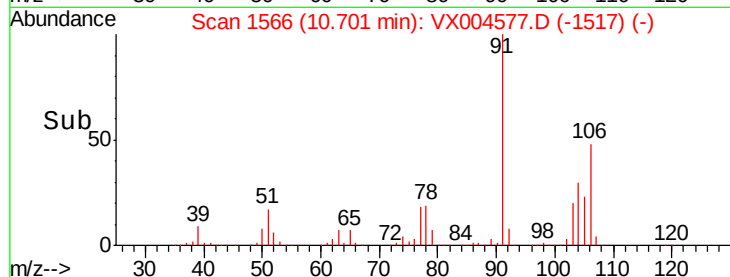
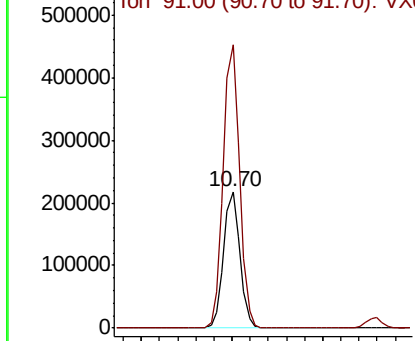
Tot Ion:106 Resp: 272757  
Ion Ratio Lower Upper  
106 100  
91 210.1 105.1 315.1

Manual Integrations  
APPROVED

MMDadoda  
9/17/2018 6:27:23 PM

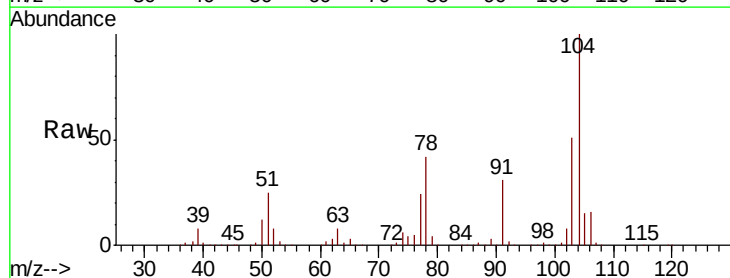


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

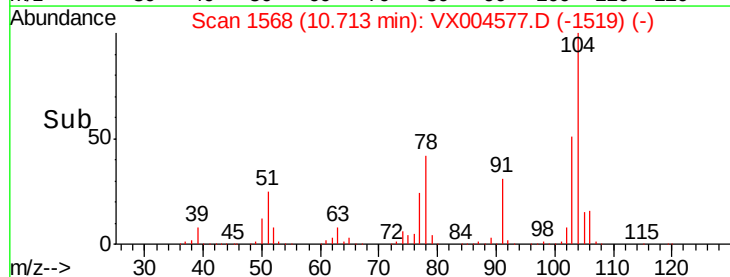
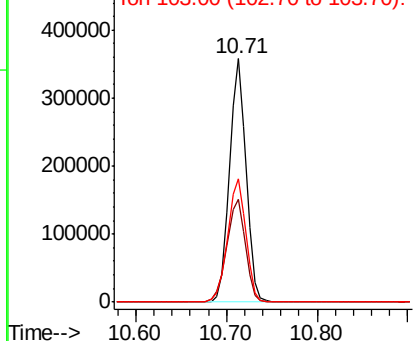


#70  
Styrene  
Concen: 57.48 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

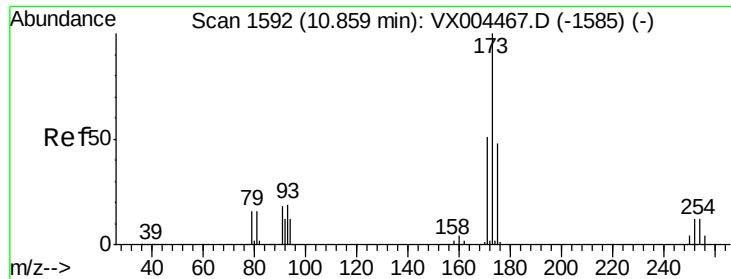
Tgt Ion:104 Resp: 454289  
Ion Ratio Lower Upper  
104 100  
78 47.9 37.4 56.0  
103 55.7 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V







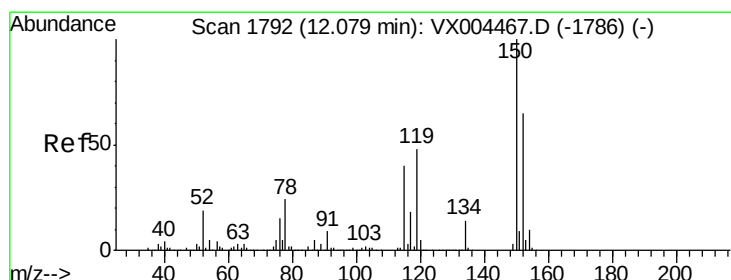
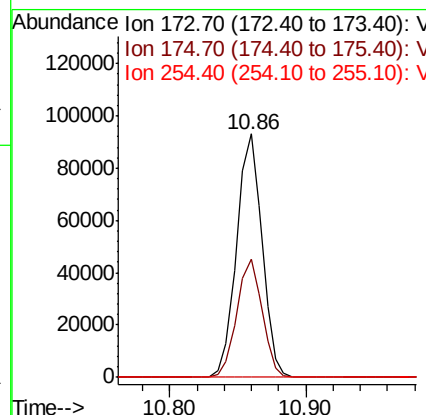
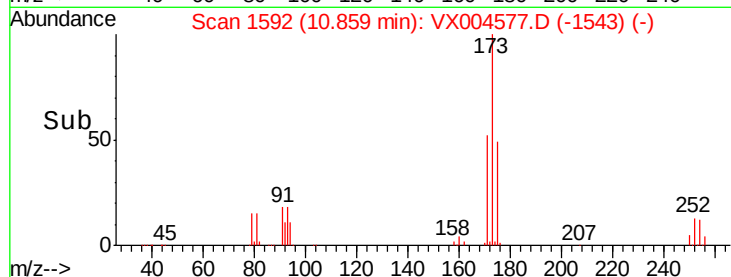
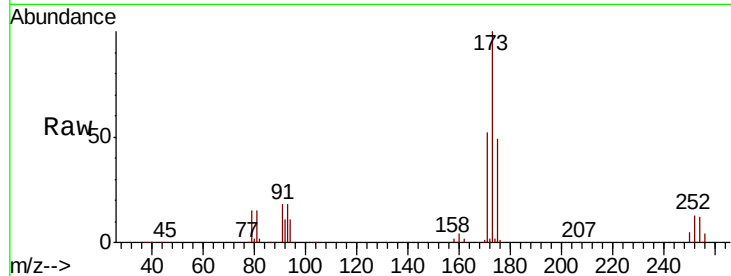
#71  
Bromoform  
Concen: 53.97 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 24.1  | 72.3  |
| 254     | 0.2   | 0.2   | 0.2   |

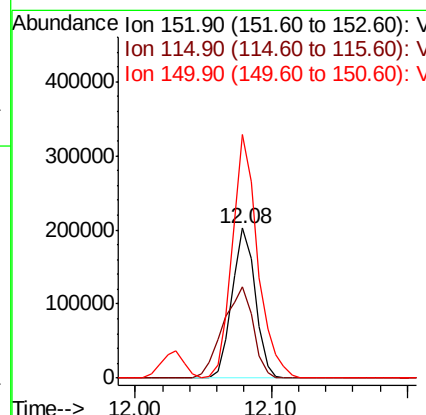
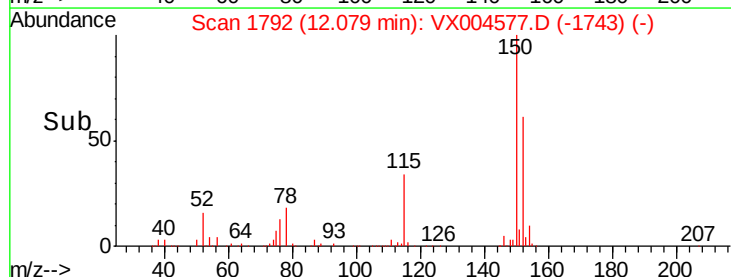
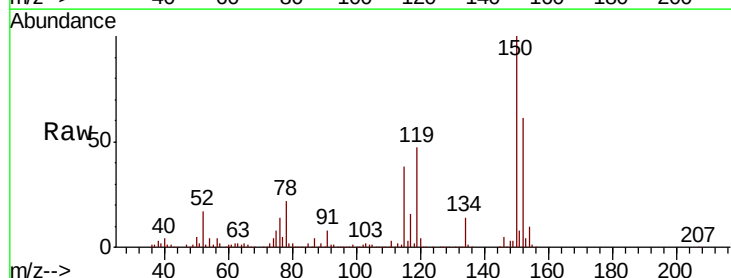
Manual Integrations  
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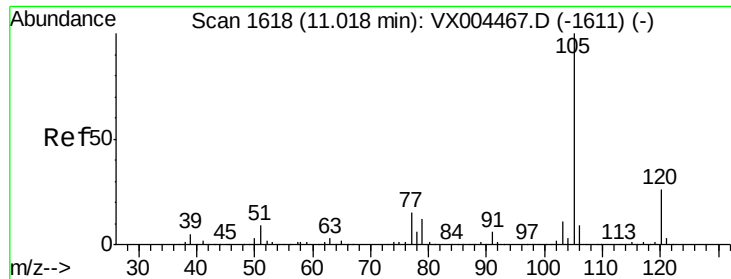
MMDadoda  
9/17/2018 6:27:23 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 78.6  | 39.0  | 117.0 |
| 150     | 177.4 | 0.0   | 351.0 |





#73

Isopropylbenzene

Concen: 46.75 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 740466

Ion Ratio Lower Upper

105 100

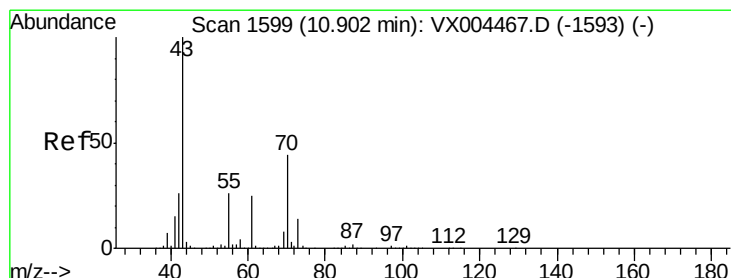
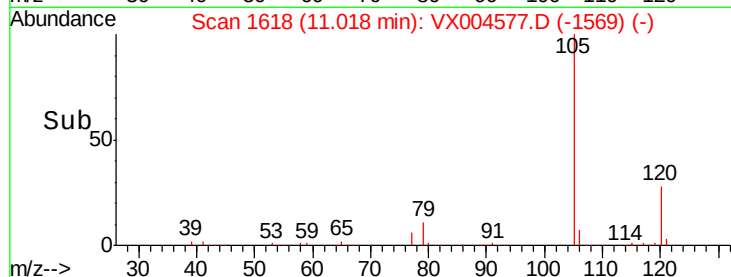
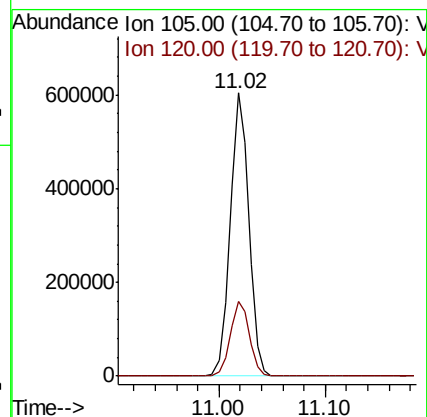
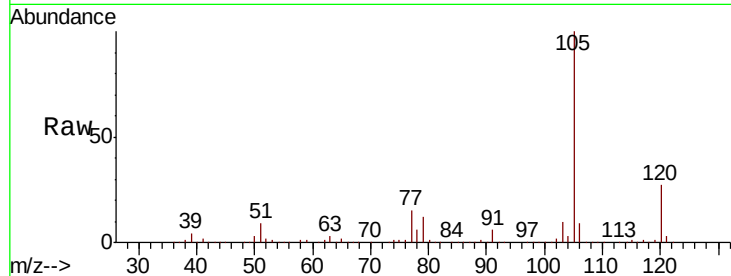
120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 43.24 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Tgt Ion: 43 Resp: 288278

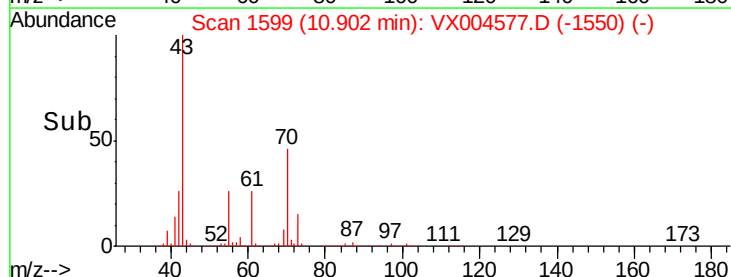
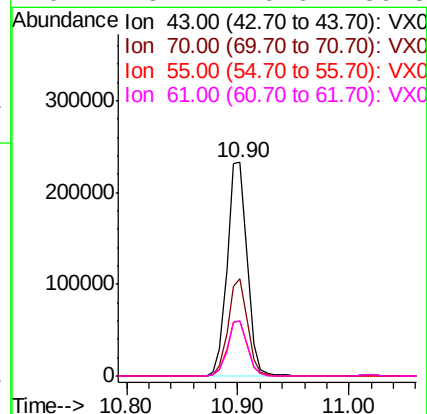
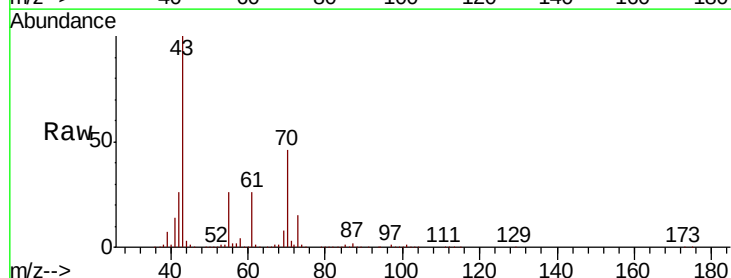
Ion Ratio Lower Upper

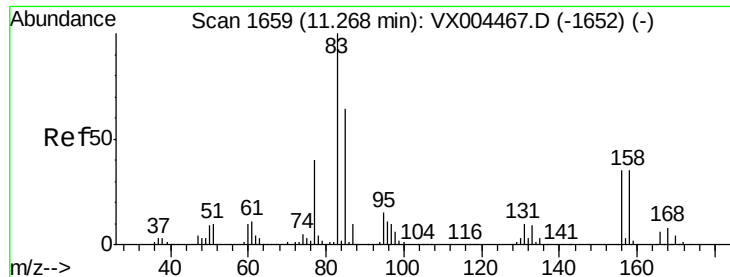
43 100

70 44.2 37.4 56.0

55 25.9 21.8 32.8

61 25.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 41.45 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

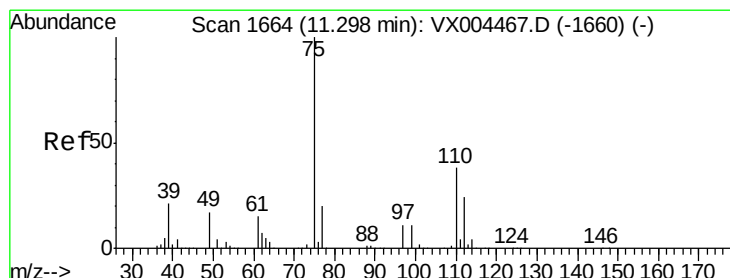
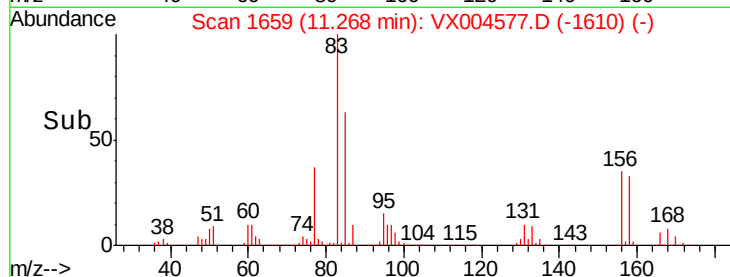
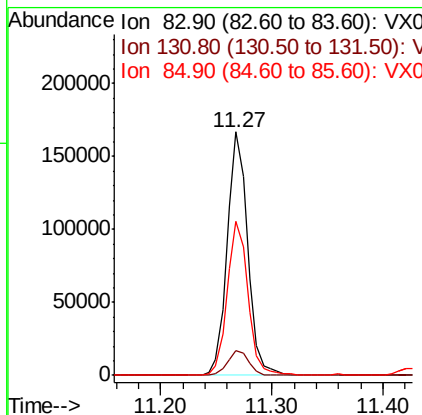
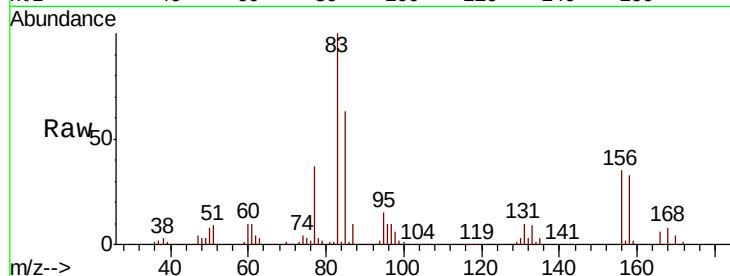
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 211807 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.2   | 15.6   |
| 85        | 64.0  | 32.3  | 96.8   |

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#76

1,2,3-Trichloropropane

Concen: 41.91 ug/l m

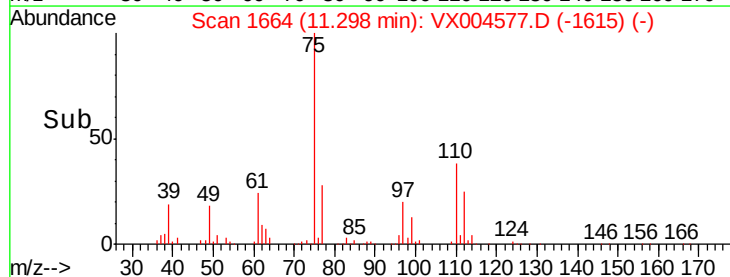
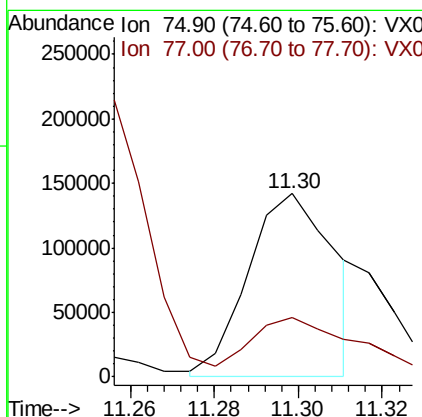
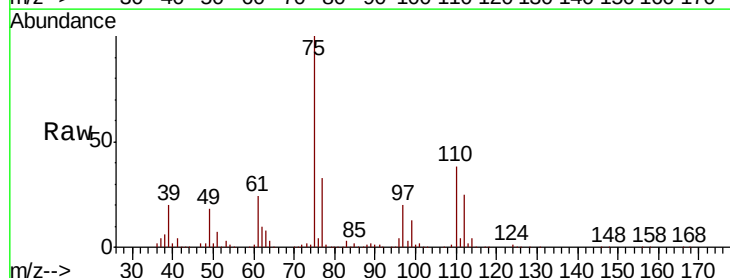
RT: 11.30 min Scan# 1664

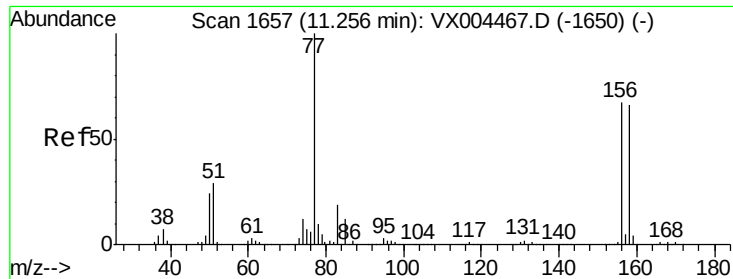
Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 202781 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 40.3  | 20.2  | 60.6   |





#77

Bromobenzene

Concen: 44.65 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

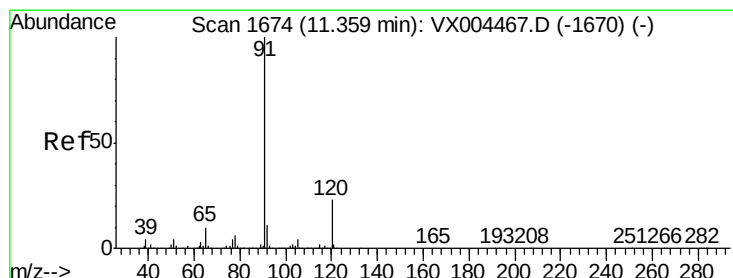
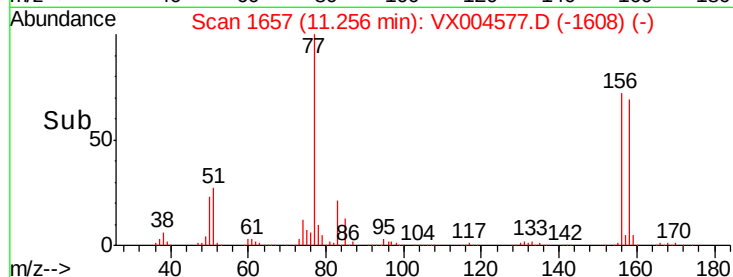
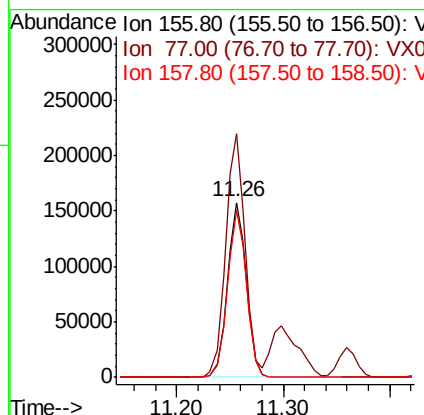
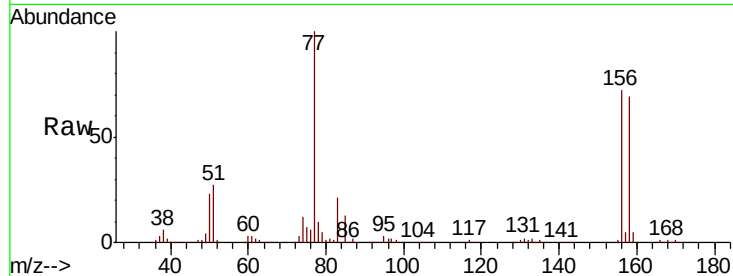
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 195505 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 142.4 | 71.5  | 214.3  |
| 158       | 95.9  | 48.9  | 146.8  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 47.32 ug/l

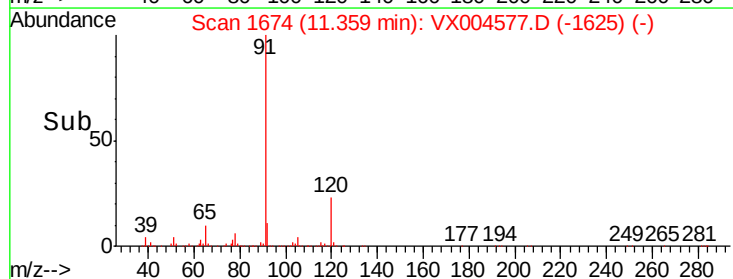
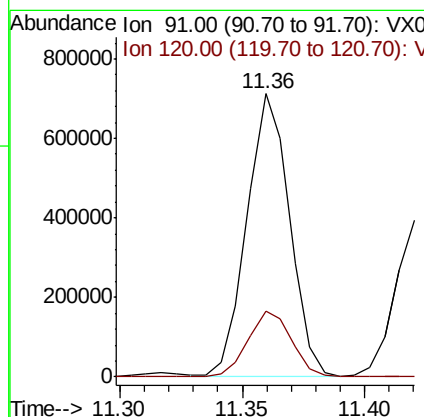
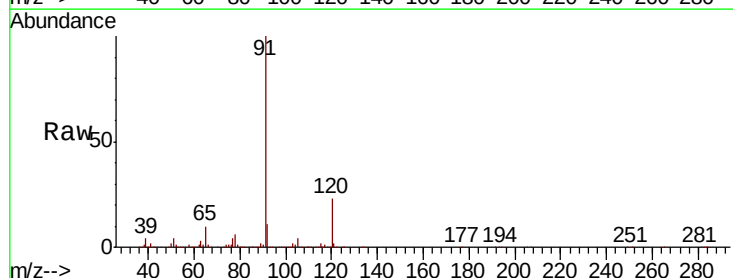
RT: 11.36 min Scan# 1674

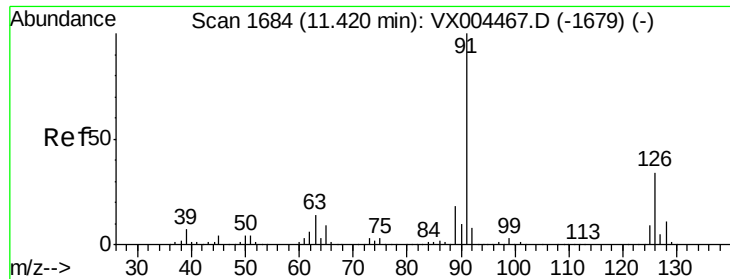
Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 861854 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.7  | 11.9  | 35.9   |





#79

2-Chlorotoluene

Concen: 44.85 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 495403

Ion Ratio Lower Upper

91 100

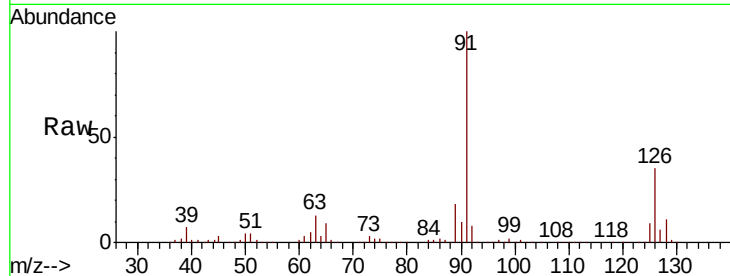
126 35.6 17.9 53.7

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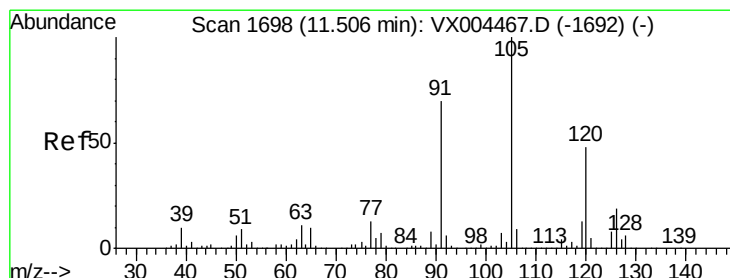
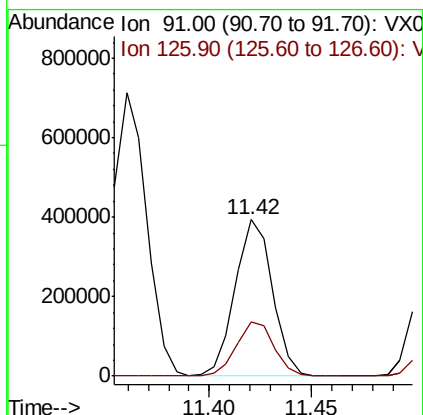
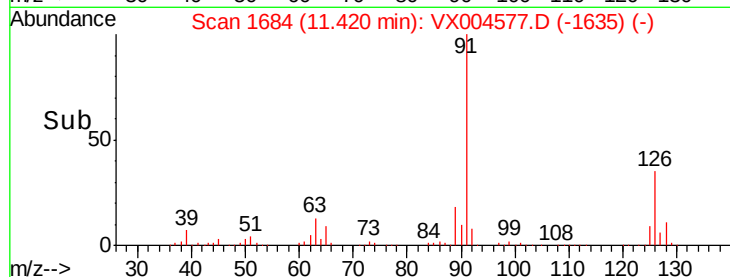
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.92 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004577.D

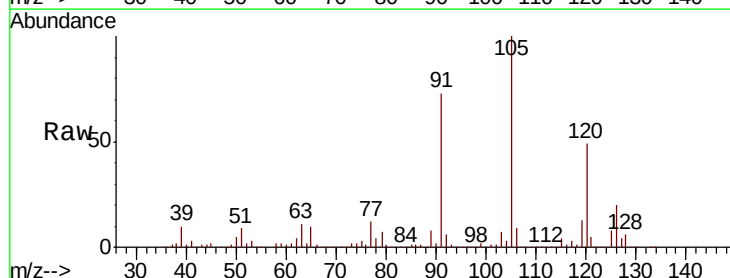
Acq: 15 Sep 2018 11:33

Tgt Ion: 105 Resp: 624757

Ion Ratio Lower Upper

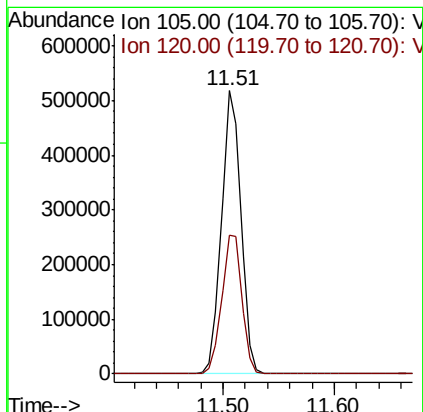
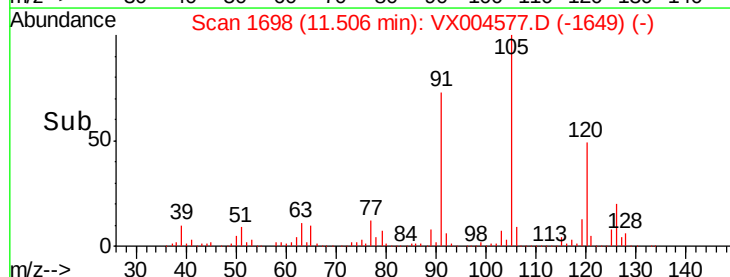
105 100

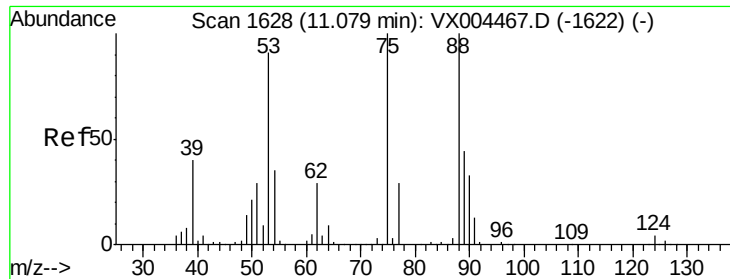
120 51.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





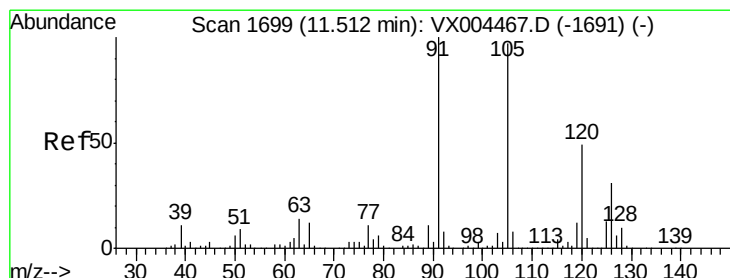
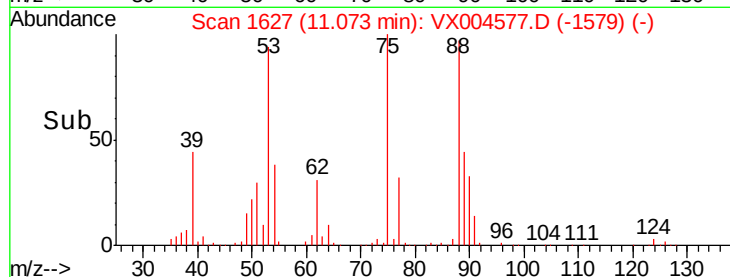
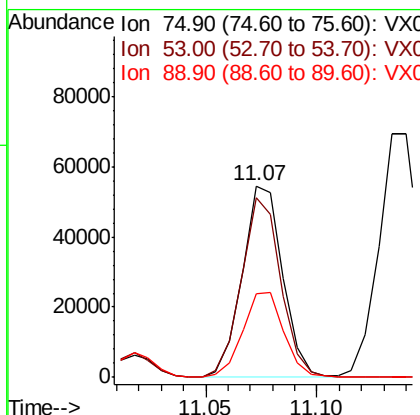
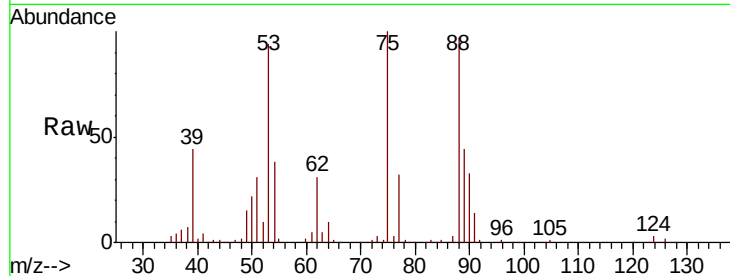
#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.39 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. -0.01 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 92.4  | 80.1  | 120.1 |
| 89      | 45.2  | 37.2  | 55.8  |

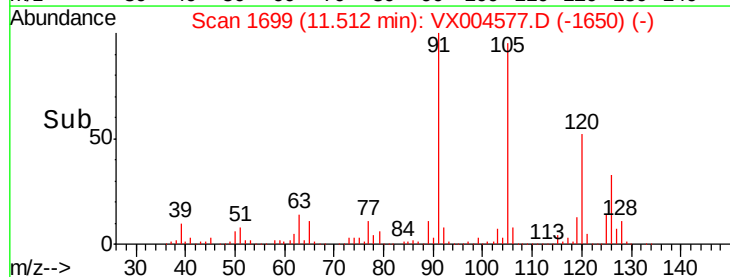
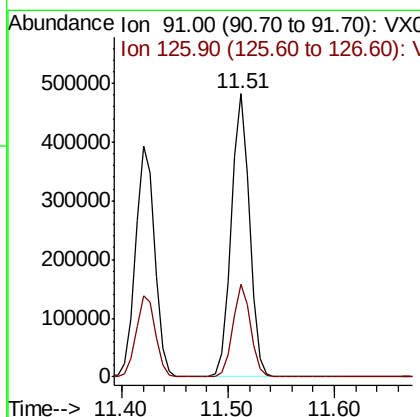
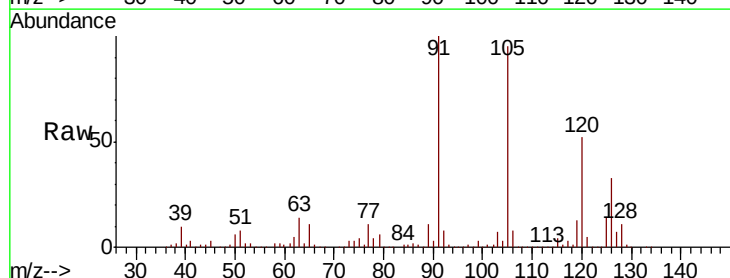
Manual Integrations  
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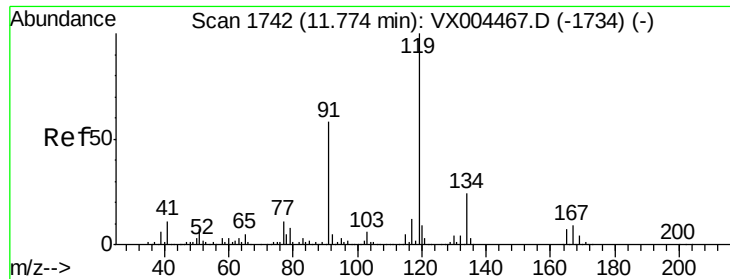
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 45.14 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.9  | 15.5  | 46.5  |





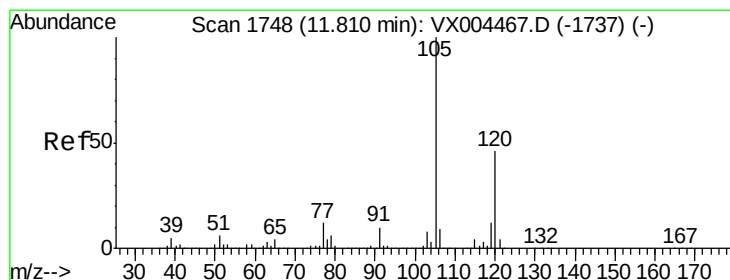
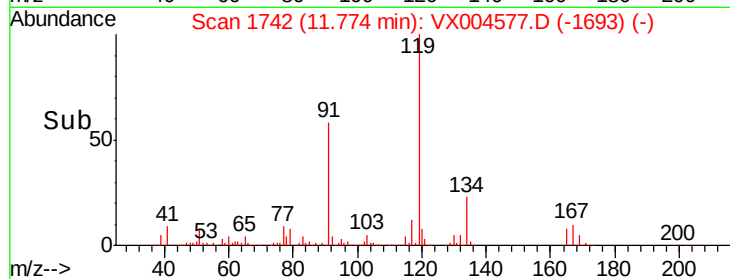
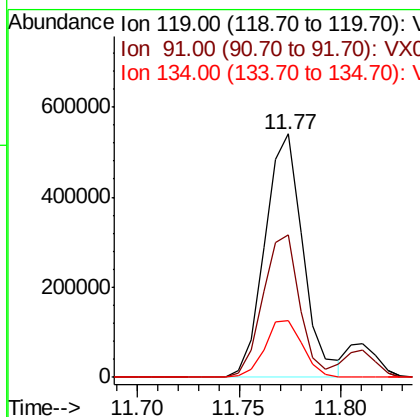
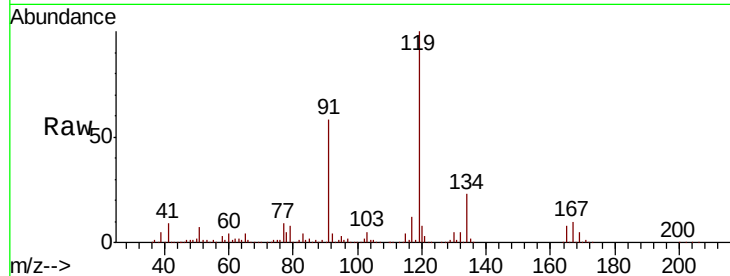
#83  
 tert-Butylbenzene  
 Concen: 55.53 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.3  | 27.0  | 81.0  |
| 134     | 23.2  | 11.7  | 35.1  |

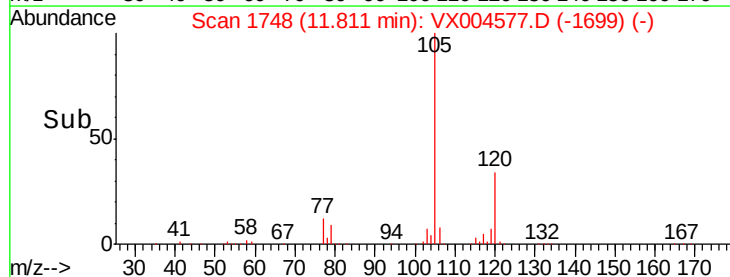
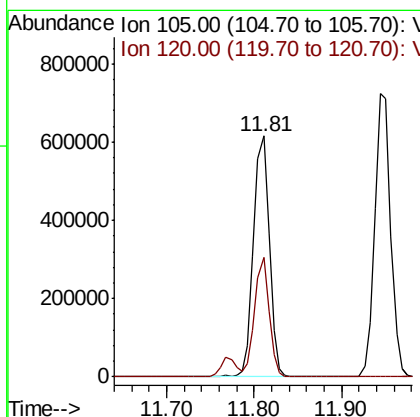
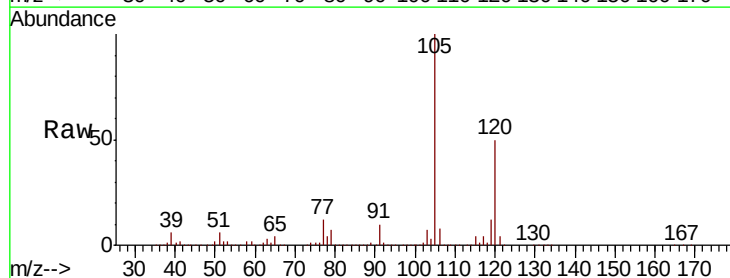
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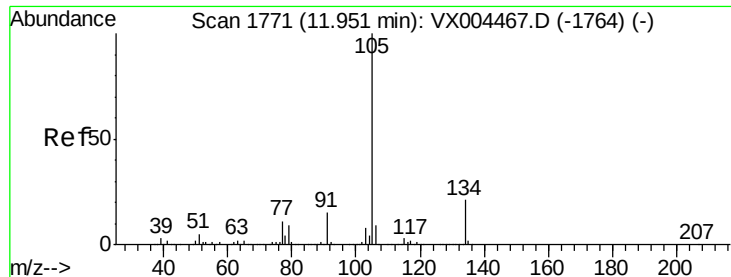
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 56.51 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.3  | 23.2  | 69.6  |





#85

sec-Butylbenzene

Concen: 57.21 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 924280

Ion Ratio Lower Upper

105 100

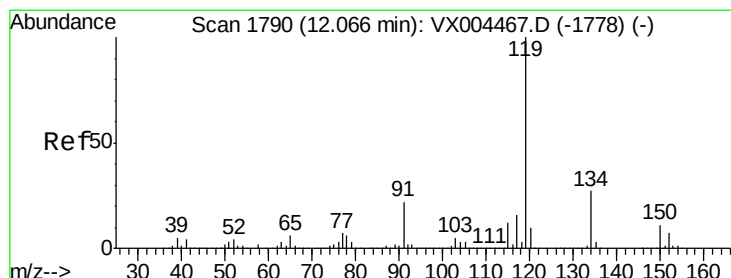
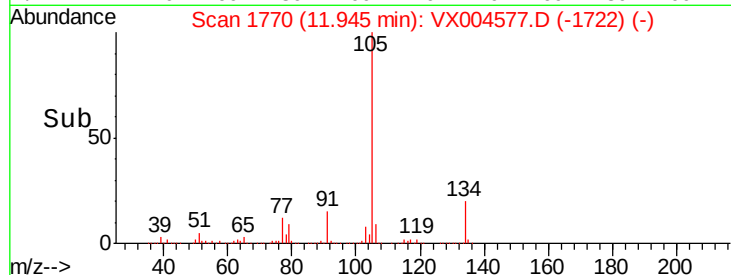
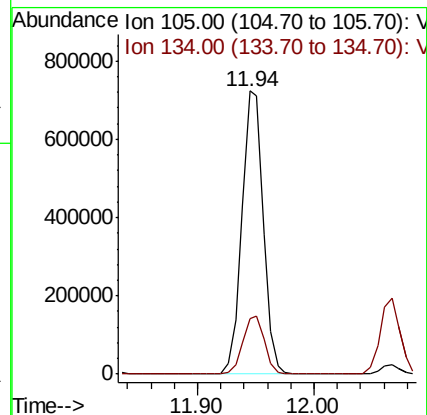
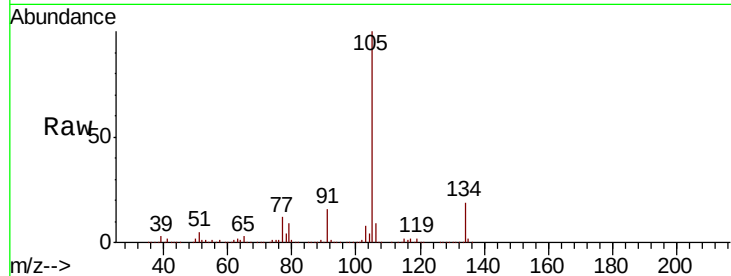
134 20.5 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 61.03 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

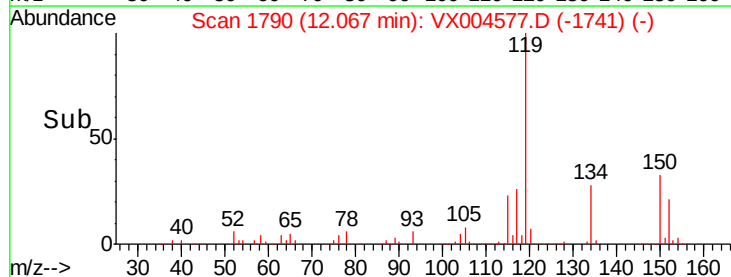
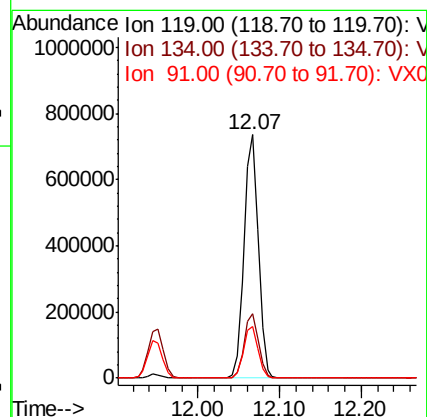
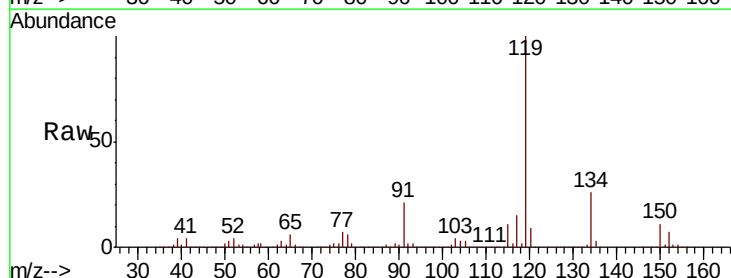
Tgt Ion:119 Resp: 870688

Ion Ratio Lower Upper

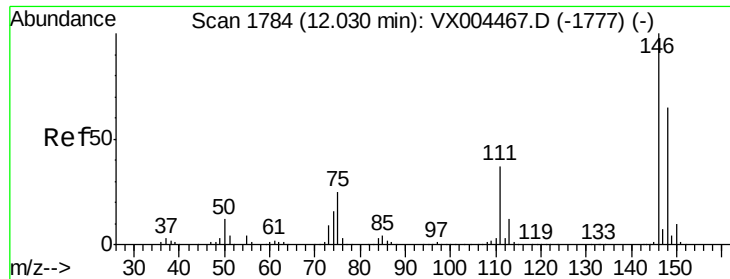
119 100

134 26.6 13.4 40.2

91 21.5 10.9 32.7







#87

1,3-Dichlorobenzene

Concen: 53.01 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

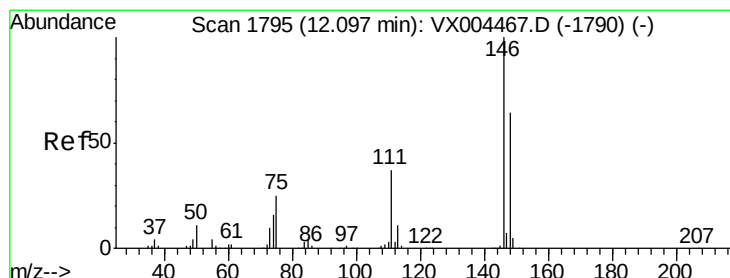
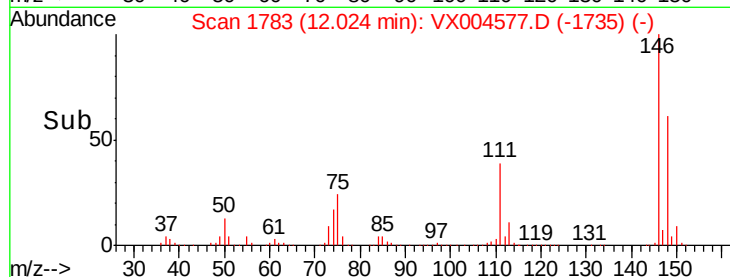
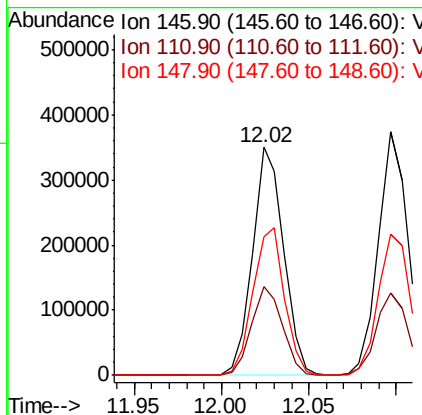
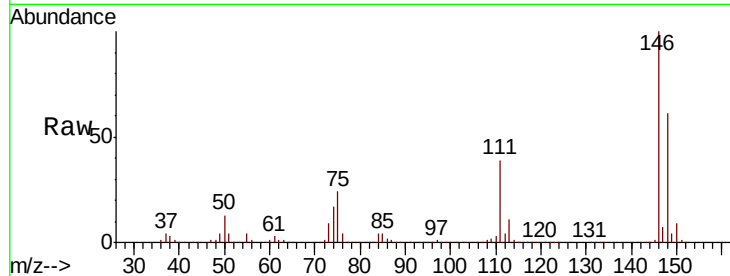
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 433055 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.9  | 18.7  | 56.1   |
| 148       | 65.6  | 32.1  | 96.5   |

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#88

1,4-Dichlorobenzene

Concen: 52.17 ug/l

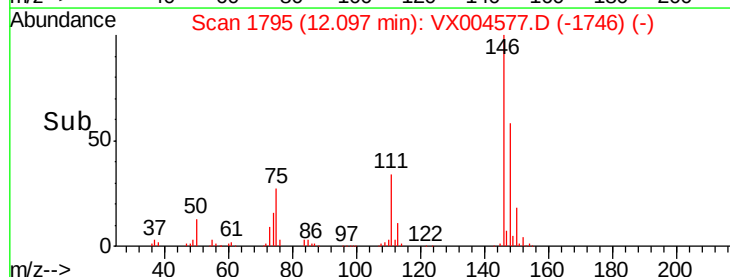
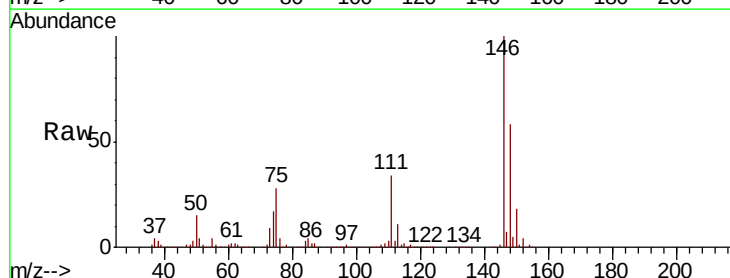
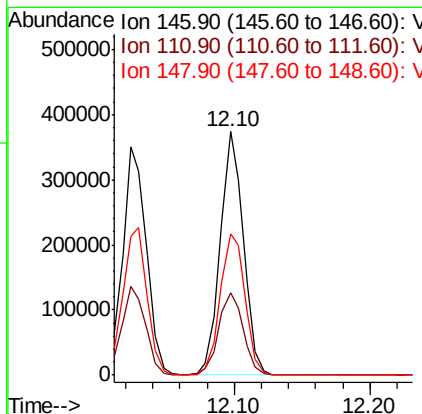
RT: 12.10 min Scan# 1795

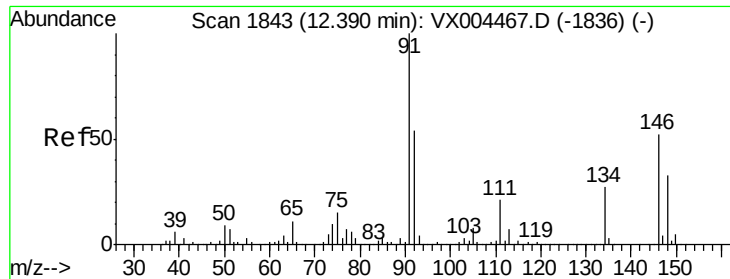
Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 440377 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 36.0  | 18.1  | 54.1   |
| 148       | 62.2  | 32.0  | 96.0   |





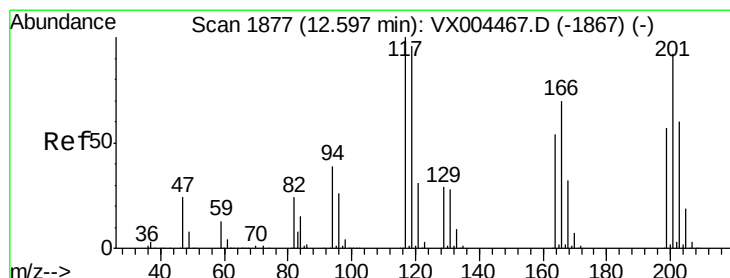
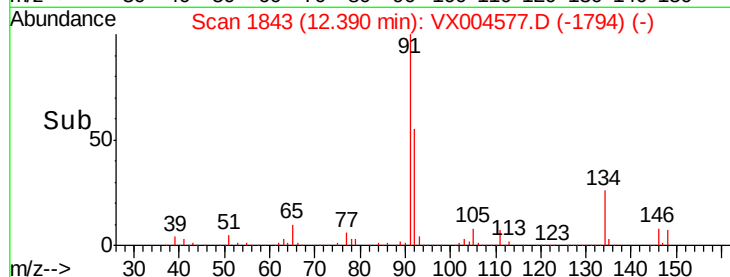
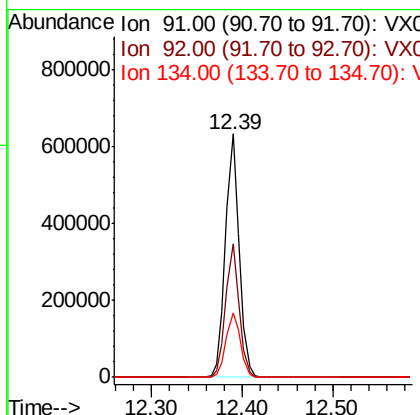
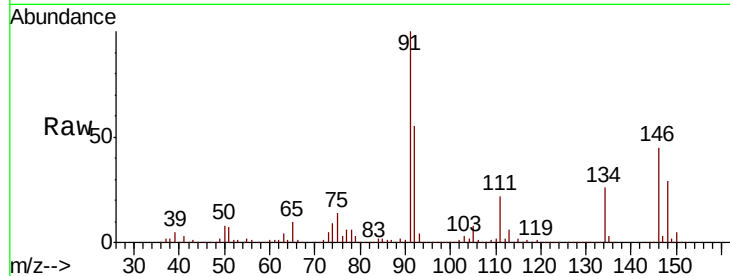
#89  
n-Butylbenzene  
Concen: 51.33 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.9  | 27.3  | 81.9  |
| 134     | 27.8  | 13.6  | 40.7  |

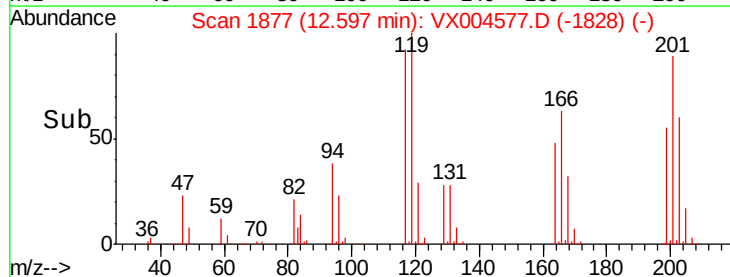
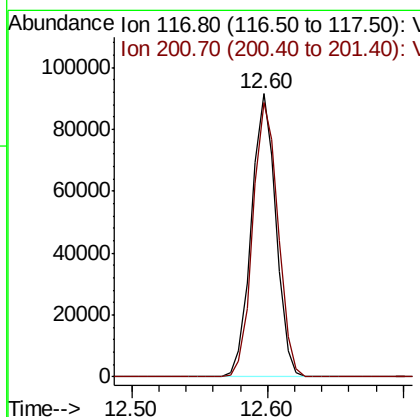
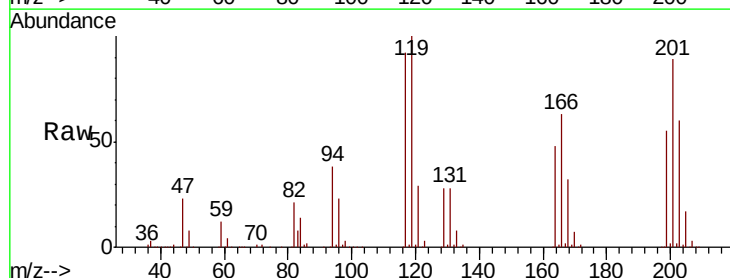
Manual Integrations  
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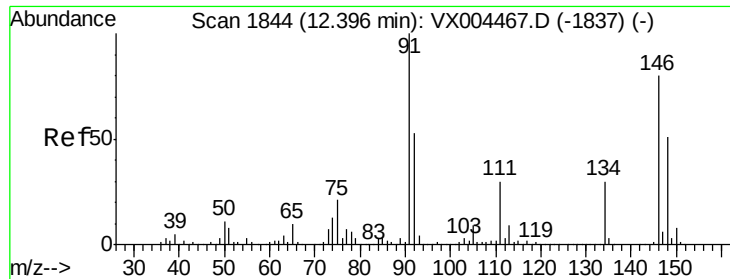
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#90  
Hexachloroethane  
Concen: 50.68 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX004577.D  
Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 99.7  | 46.9  | 140.6 |





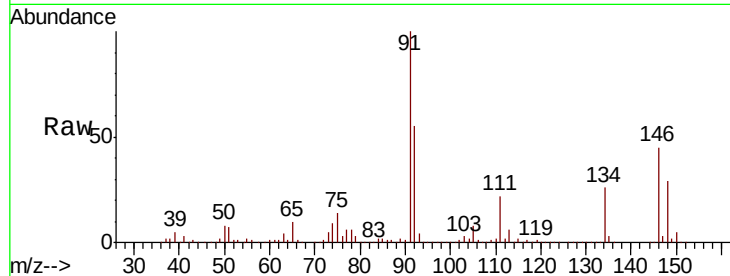
#91  
 1,2-Dichlorobenzene  
 Concen: 46.04 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 380683 |       |       |
| 111     | 41.1  | 19.4   | 58.1  |       |
| 148     | 63.1  | 32.8   | 98.3  |       |

Manual Integrations  
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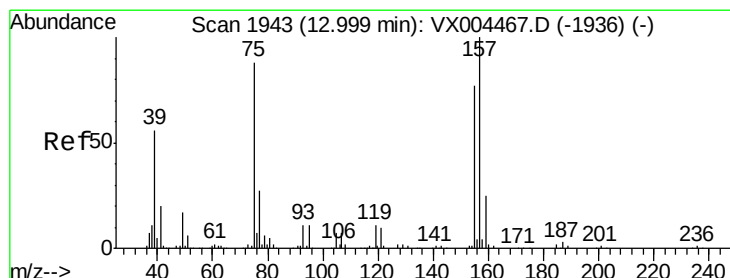
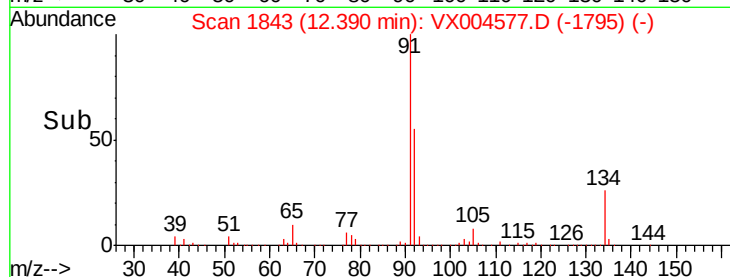
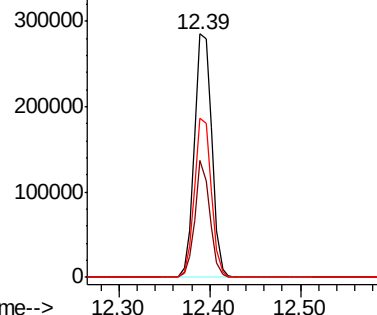


Abundance

Ion 145.90 (145.60 to 146.60): V

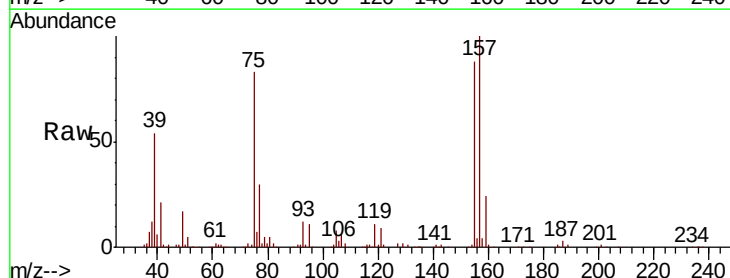
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.84 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 53278 |       |       |
| 155     | 106.3 | 48.0  | 144.2 |       |
| 157     | 132.4 | 61.4  | 184.1 |       |

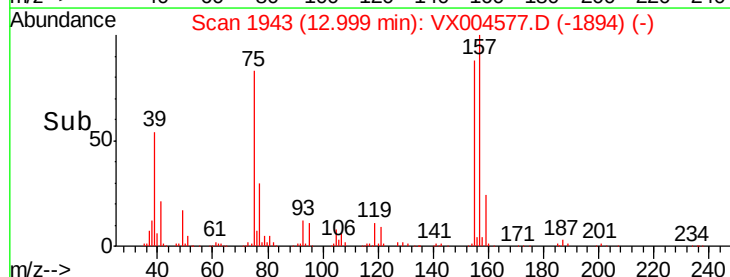
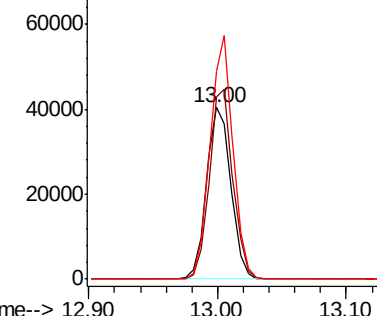


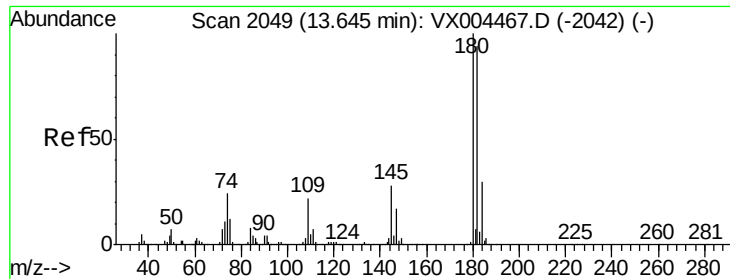
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





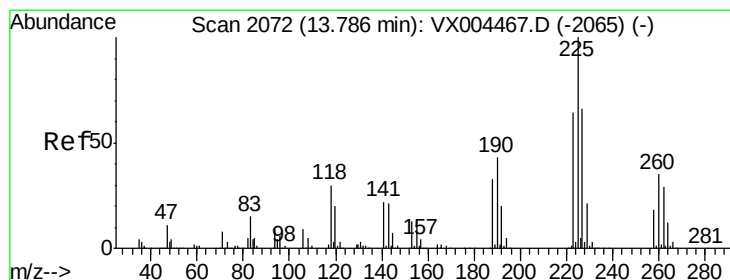
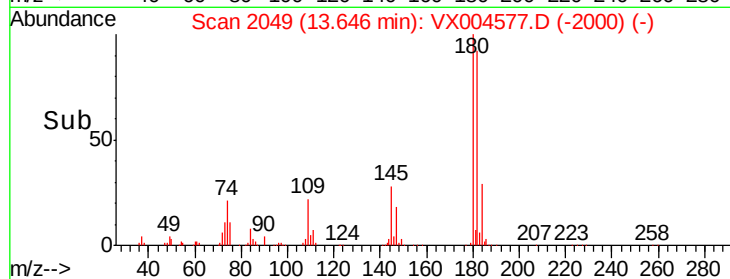
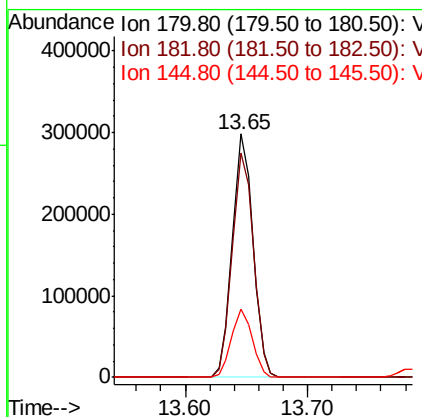
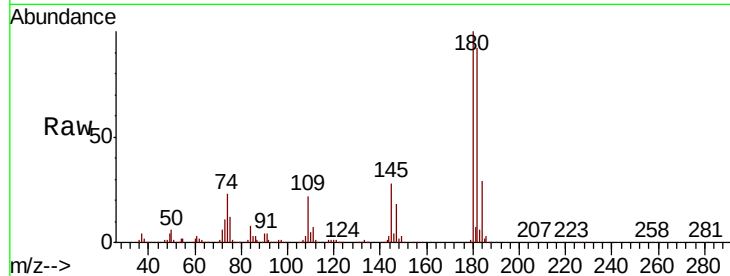
#93  
 1,2,4-Trichlorobenzene  
 Concen: 59.25 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 346844 |       |       |
| 182     | 94.9  | 48.4   | 145.0 |       |
| 145     | 28.3  | 14.3   | 42.9  |       |

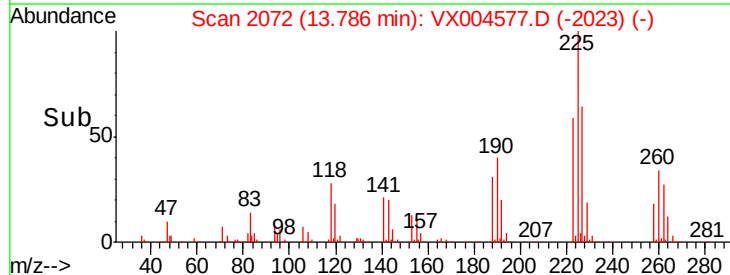
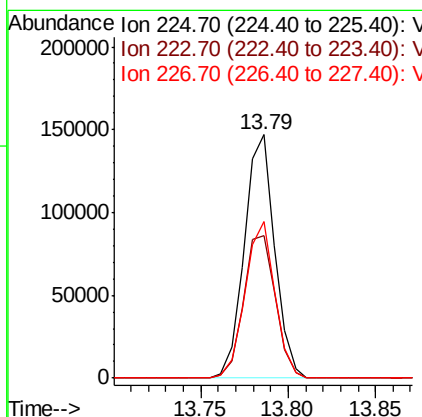
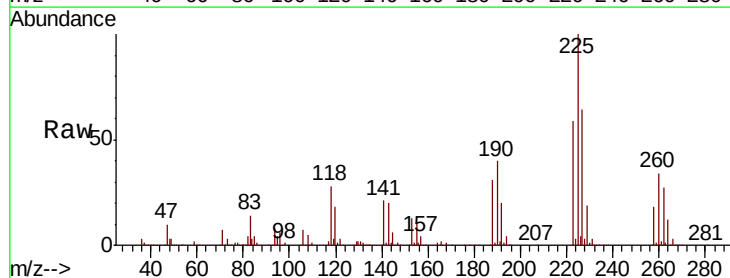
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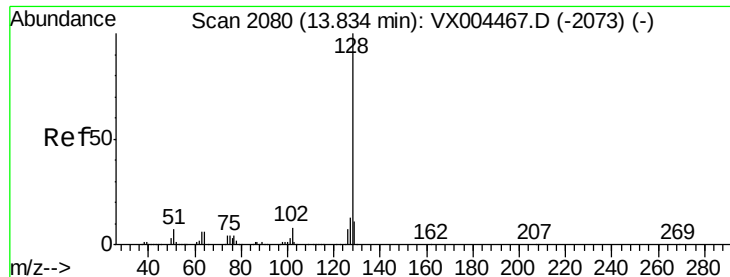
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#94  
 Hexachlorobutadiene  
 Concen: 57.73 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: VX004577.D  
 Acq: 15 Sep 2018 11:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 176539 |       |       |
| 223     | 61.6  | 30.1   | 90.5  |       |
| 227     | 63.3  | 30.8   | 92.4  |       |





#95

Naphthalene

Concen: 55.74 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA\_X

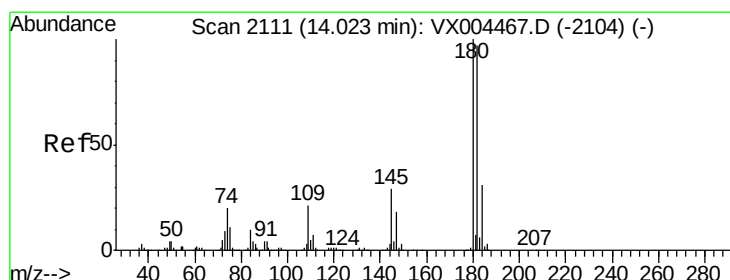
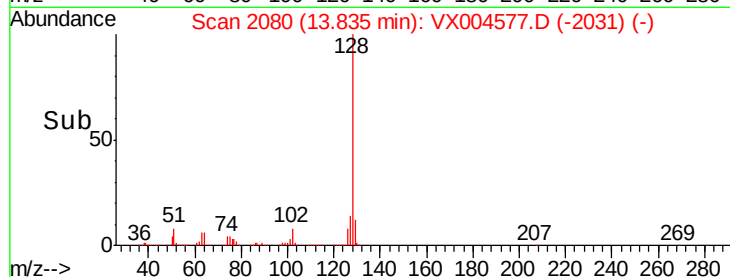
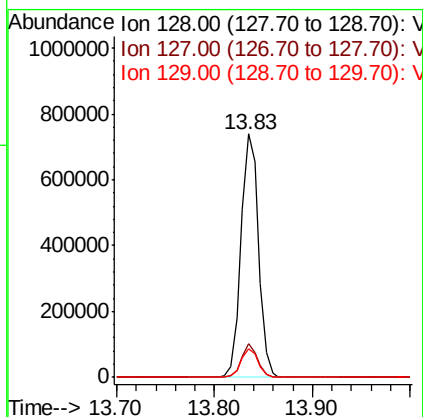
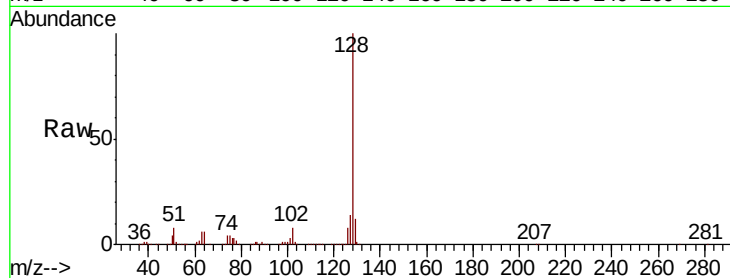
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 915318 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.8 | 10.2  | 15.2   |
| 129       | 11.4 | 8.6   | 12.8   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 55.76 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 335367 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 94.6 | 48.5  | 145.6  |
| 145       | 29.6 | 14.9  | 44.9   |

