

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\  
 Data File : VX004530.D  
 Acq On : 14 Sep 2018 10:23  
 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 5:09:21 PM

Quant Time: Sep 15 04:47:38 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      | 5.65  | 168  | 299341   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 369679   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 329773   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 208356   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 179743   | 46.57 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.14% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 154229   | 45.59 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.18% |      |
| 50) Toluene-d8            | 8.71   | 98  | 522630   | 46.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.14% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 191154   | 47.20 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.40% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 139719  | 49.80  | ug/l | 94     |
| 3) Chloromethane              | 1.32 | 50  | 174080  | 45.09  | ug/l | 97     |
| 4) Vinyl Chloride             | 1.40 | 62  | 184622  | 46.59  | ug/l | 95     |
| 5) Bromomethane               | 1.64 | 94  | 82912   | 49.97  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 116598  | 45.50  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 247296  | 47.07  | ug/l | 97     |
| 8) Diethyl Ether              | 2.18 | 74  | 108736  | 46.17  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 160893  | 48.28  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 184180  | 46.56  | ug/l | 97     |
| 11) Tert butyl alcohol        | 3.06 | 59  | 179631  | 195.04 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 151453  | 48.42  | ug/l | 94     |
| 13) Acrolein                  | 2.29 | 56  | 73647   | 202.58 | ug/l | 96     |
| 14) Allyl chloride            | 2.73 | 41  | 293966  | 45.72  | ug/l | 97     |
| 15) Acrylonitrile             | 3.15 | 53  | 471830  | 212.74 | ug/l | 98     |
| 16) Acetone                   | 2.44 | 43  | 415943  | 220.80 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.57 | 76  | 427454  | 47.28  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 230198  | 43.55  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 520420  | 47.42  | ug/l | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 173561  | 44.91  | ug/l | 93     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 162761  | 47.09  | ug/l | 91     |
| 22) Diisopropyl ether         | 3.87 | 45  | 551442  | 47.61  | ug/l | 94     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2311409 | 246.63 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 310269  | 47.45  | ug/l | 98     |
| 25) 2-Butanone                | 4.69 | 43  | 619717  | 206.70 | ug/l | 92     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 238038  | 53.00  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 183277  | 47.50  | ug/l | 98     |
| 28) Bromochloromethane        | 5.02 | 49  | 137381  | 45.93  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 388873  | 215.08 | ug/l | 98     |
| 30) Chloroform                | 5.21 | 83  | 298997  | 46.84  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 282076  | 50.52  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 243859  | 47.43  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 232638  | 51.83  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.85 | 43  | 228960  | 44.85  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 217620  | 49.64  | ug/l | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091418\  
 Data File : VX004530.D  
 Acq On : 14 Sep 2018 10:23  
 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 5:09:21 PM

Quant Time: Sep 15 04:47:38 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   | 253336   | 54.09  | ug/l   | 97       |
| 40) Benzene                    | 6.14  | 78   | 691554   | 51.93  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.05  | 41   | 133690   | 47.53  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 224015   | 50.72  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 357117   | 52.67  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 166816   | 48.22  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 154721   | 48.29  | ug/l   | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 97819    | 48.32  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 186742   | 48.78  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 160486   | 47.83  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 69729    | 878.05 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1014026  | 211.94 | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 370304   | 47.20  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 227858   | 50.95  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 238539   | 52.33  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 165004   | 48.84  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 248678   | 52.04  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 279941   | 51.00  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 605646   | 248.77 | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.50  | 43   | 900586   | 245.40 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.59  | 129  | 171513   | 53.93  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 166349   | 51.55  | ug/l   | 97       |
| 64) Tetrachloroethene          | 9.34  | 164  | 214943   | 52.20  | ug/l   | 95       |
| 65) Chlorobenzene              | 10.14 | 112  | 418543   | 51.10  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 148223   | 52.47  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 717407   | 53.86  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 561849   | 109.51 | ug/l   | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 269645   | 54.67  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 456832   | 55.90  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 119372   | 51.47  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 731436   | 53.30  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 283326   | 49.05  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 207988   | 46.99  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 201574m  | 48.09  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 192401   | 50.73  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 855372   | 54.21  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 492740   | 51.49  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 624024   | 54.10  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 69348    | 52.73  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 585236   | 52.40  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 591314   | 53.84  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 643308   | 54.62  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 760765   | 54.36  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 691118   | 55.92  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 363559   | 51.38  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 369166   | 50.49  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 625160   | 55.51  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 103813   | 52.47  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 362987   | 50.68  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 45639    | 48.29  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\  
Data File : VX004530.D  
Acq On : 14 Sep 2018 10:23  
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

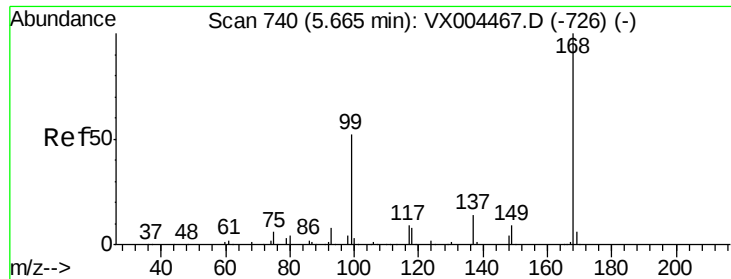
MMDadoda  
9/17/2018 5:09:21 PM

Quant Time: Sep 15 04:47:38 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) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 279851   | 55.18 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 141000   | 53.22 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 765267   | 53.80 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 278043   | 53.36 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 299341

Ion Ratio Lower Upper

168 100

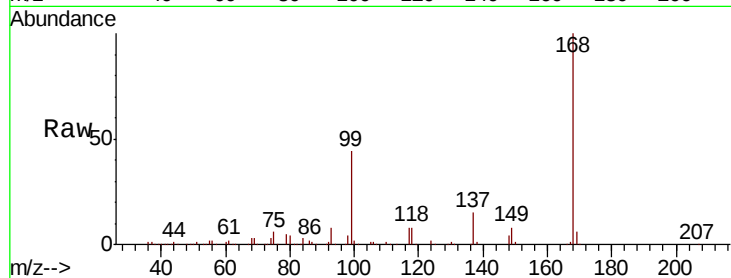
99 44.1 39.9 59.9

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

5.65

120000

100000

80000

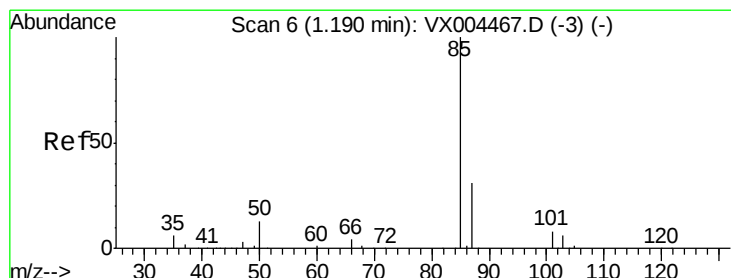
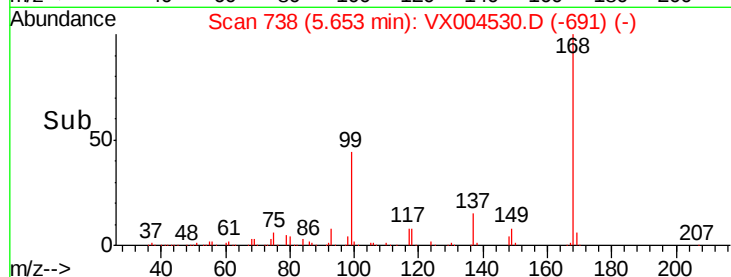
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.80 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004530.D

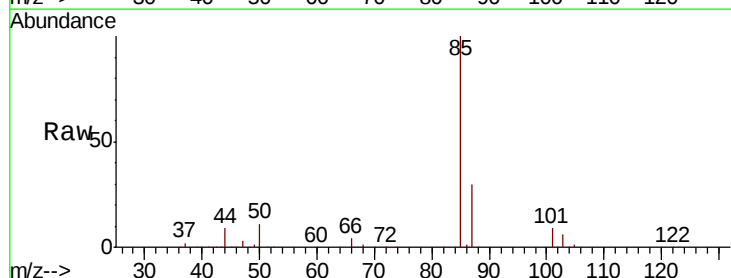
Acq: 14 Sep 2018 10:23

Tgt Ion: 85 Resp: 139719

Ion Ratio Lower Upper

85 100

87 30.4 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

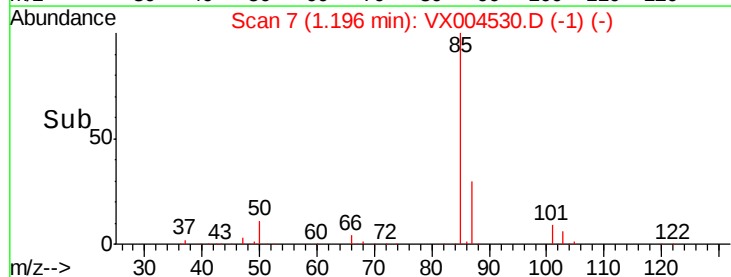
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.09 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 174080

Ion Ratio Lower Upper

50 100

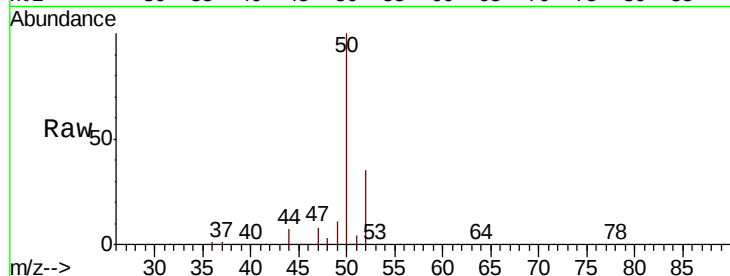
52 34.6 26.2 39.2

Manual Integrations

APPROVED

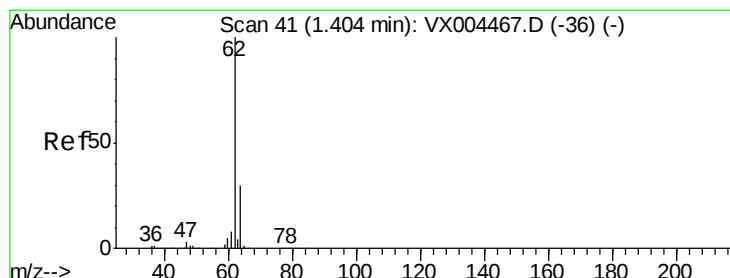
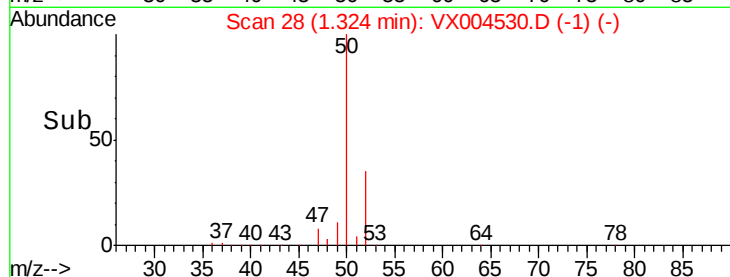
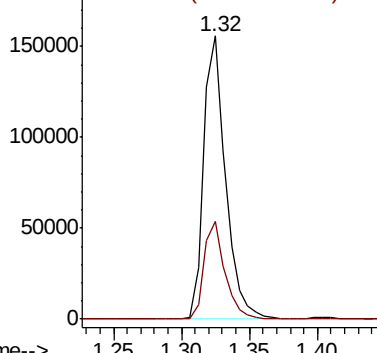
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.59 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004530.D

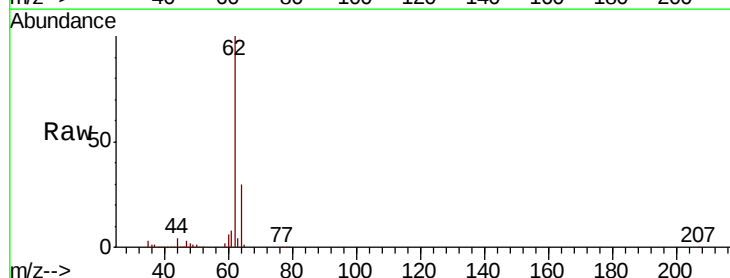
Acq: 14 Sep 2018 10:23

Tgt Ion: 62 Resp: 184622

Ion Ratio Lower Upper

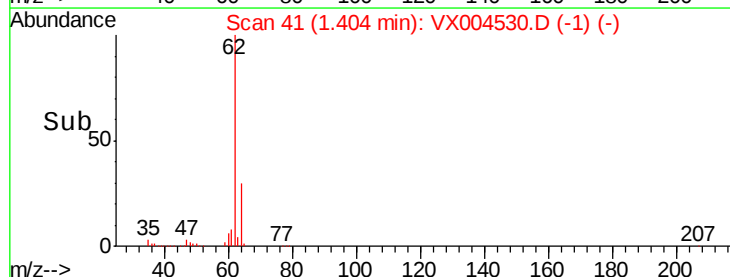
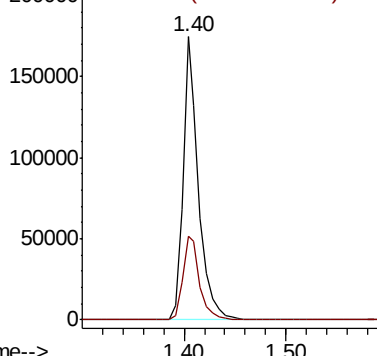
62 100

64 29.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.97 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 82912

Ion Ratio Lower Upper

94 100

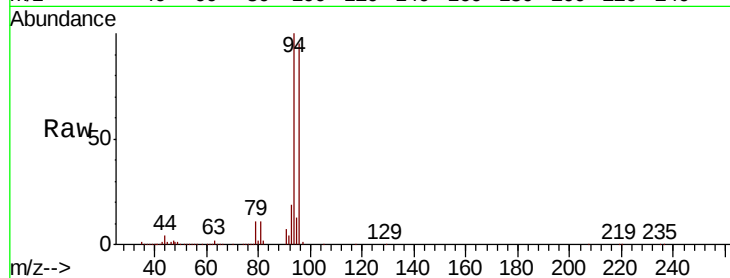
96 94.6 74.5 111.7

Manual Integrations

APPROVED

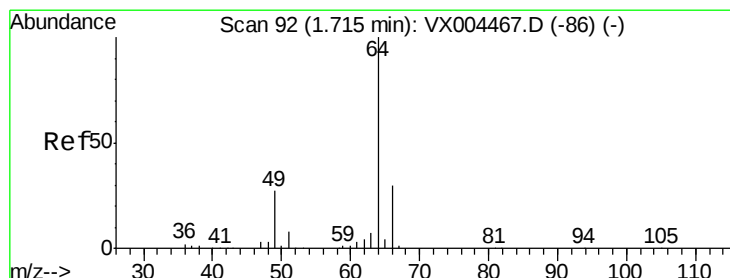
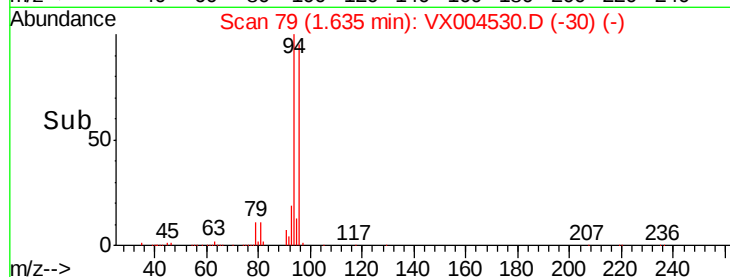
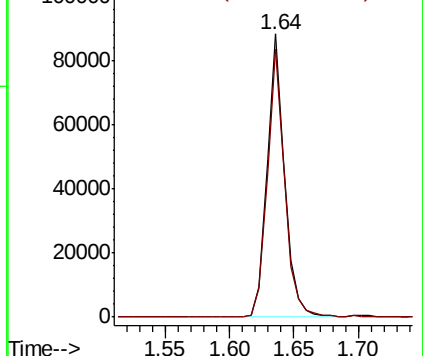
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.50 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004530.D

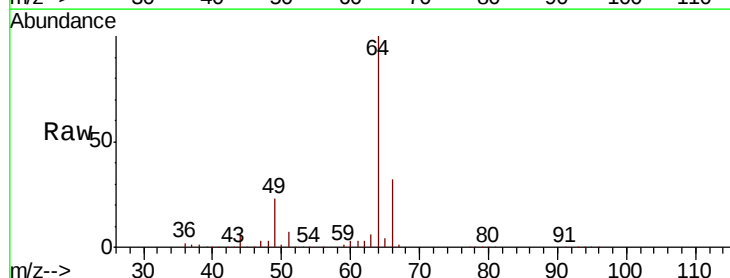
Acq: 14 Sep 2018 10:23

Tgt Ion: 64 Resp: 116598

Ion Ratio Lower Upper

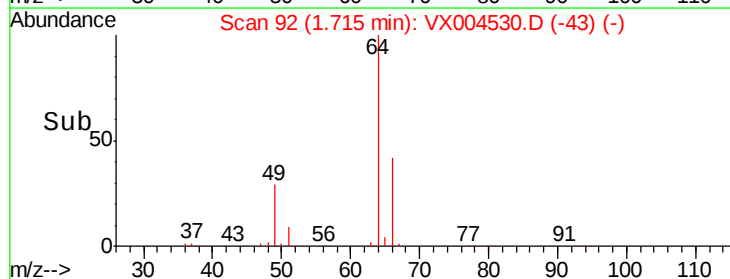
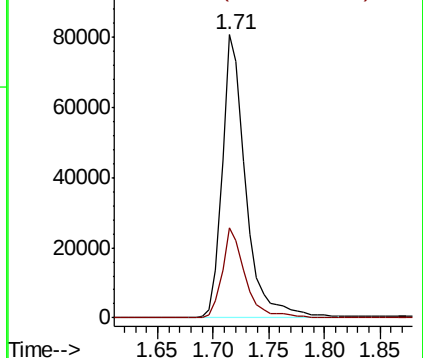
64 100

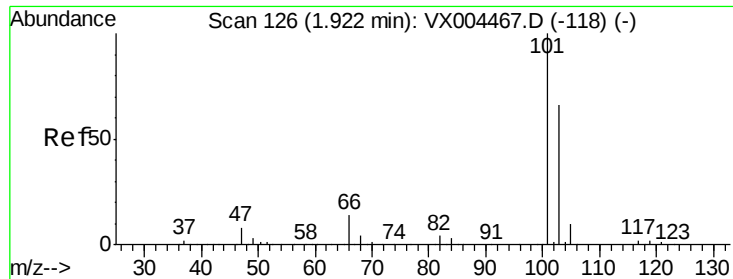
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

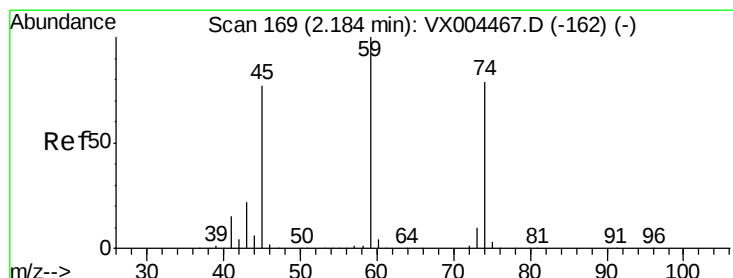
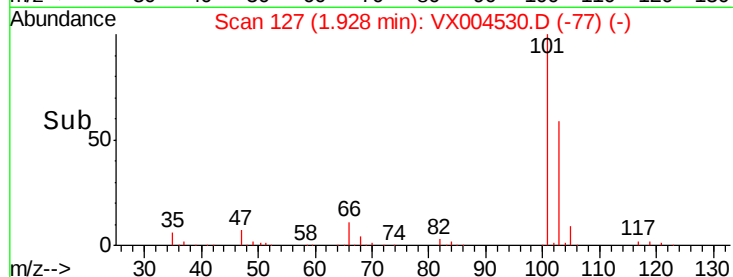
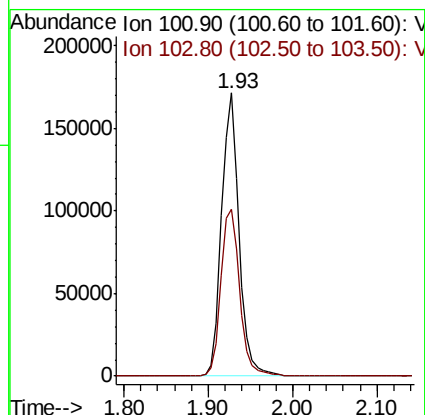
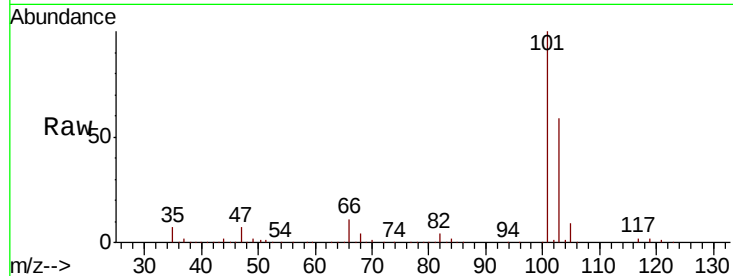
Trichlorofluoromethane  
Concen: 47.07 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. 0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 58.9  | 48.9  | 73.3  |

Manual Integrations  
APPROVED

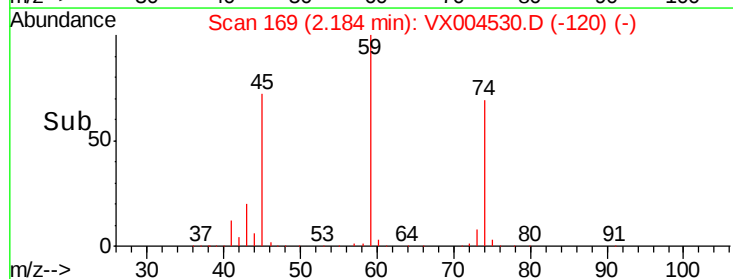
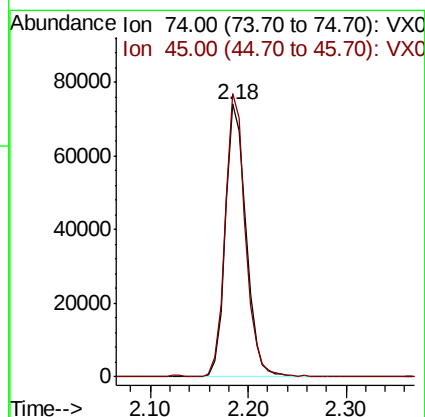
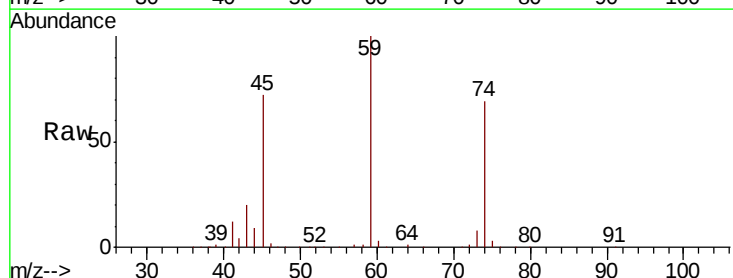
MMDadoda  
9/17/2018 5:09:21 PM



#8

Diethyl Ether  
Concen: 46.17 ug/l  
RT: 2.18 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.7 | 48.3  | 144.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.28 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

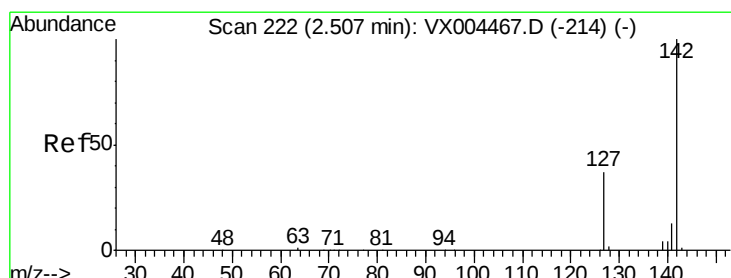
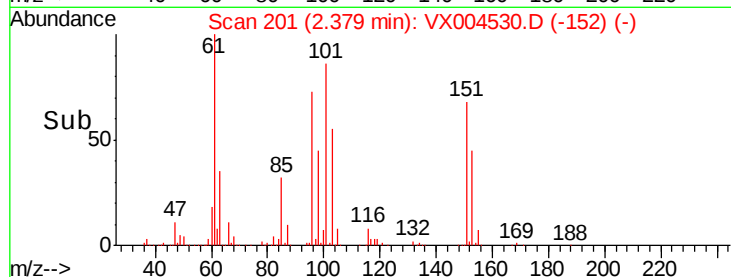
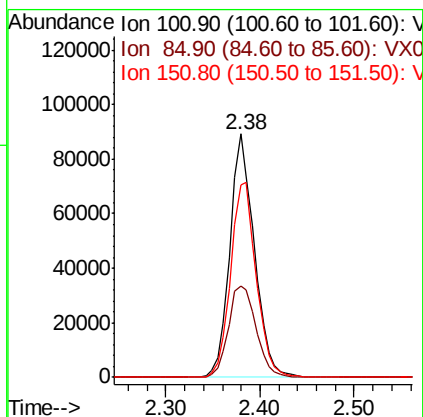
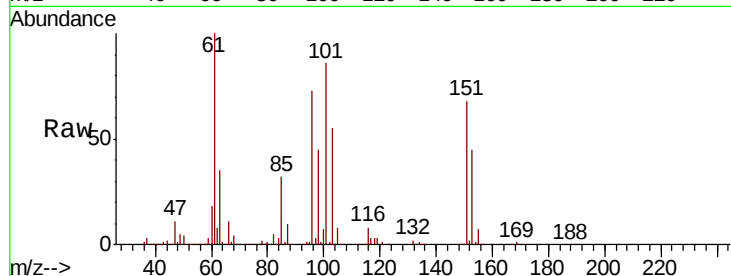
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 160893 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.5  | 34.2  | 51.4   |
| 151       | 83.9  | 65.0  | 97.6   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 46.56 ug/l

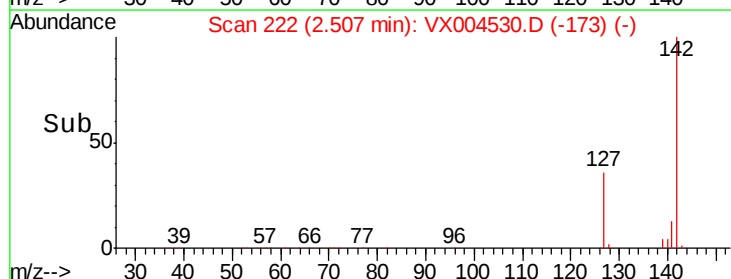
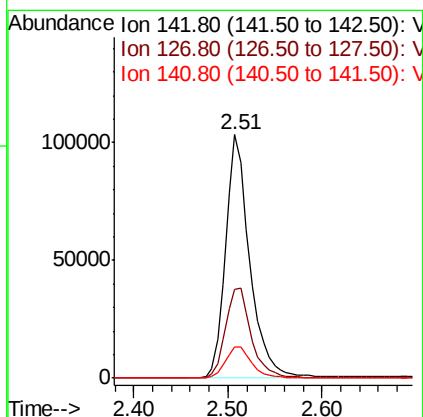
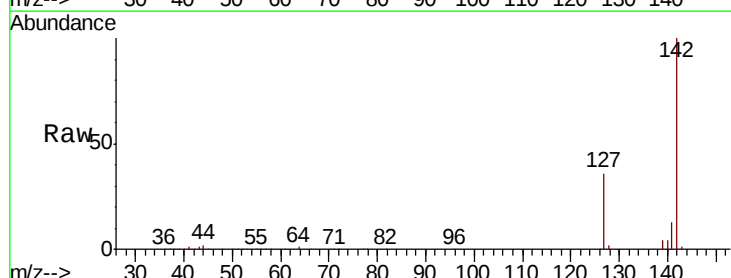
RT: 2.51 min Scan# 222

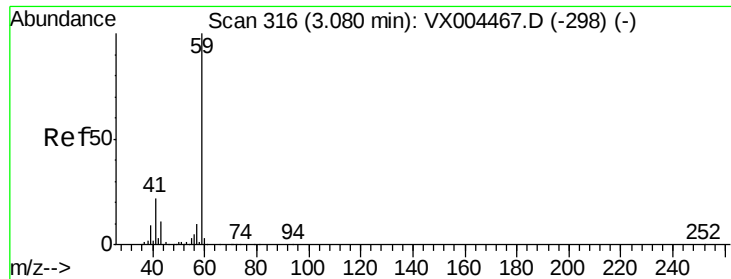
Delta R.T. 0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 184180 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.8  | 33.8  | 50.6   |
| 141       | 13.8  | 11.4  | 17.0   |





#11

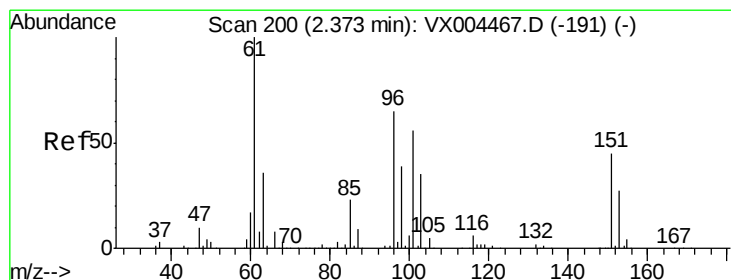
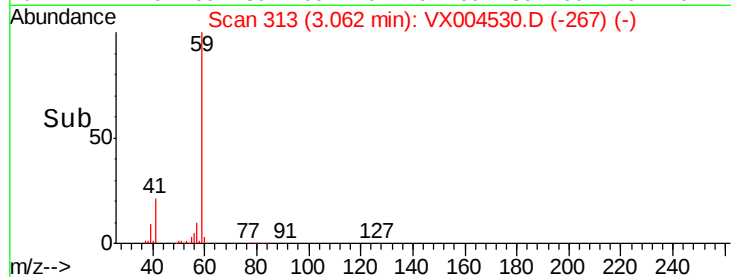
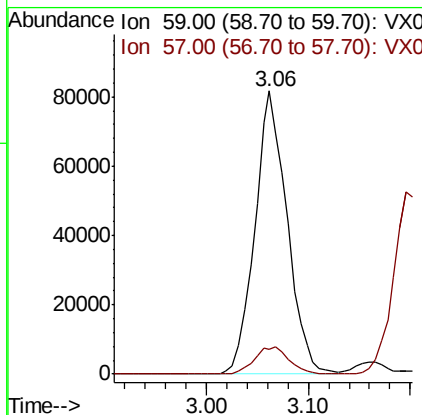
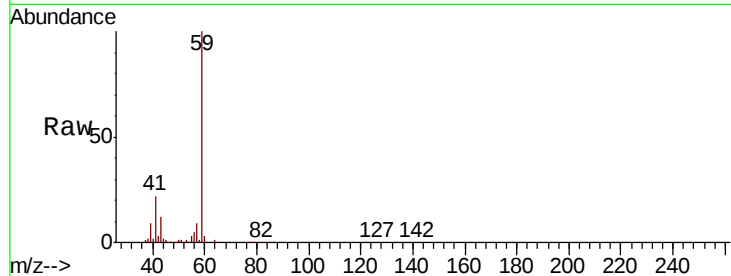
Tert butyl alcohol  
 Concen: 195.04 ug/l  
 RT: 3.06 min Scan# 313  
 Delta R.T. -0.02 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion   | 59   | Resp  | 179631 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.2 | 8.2   | 12.4   |

Manual Integrations  
 APPROVED

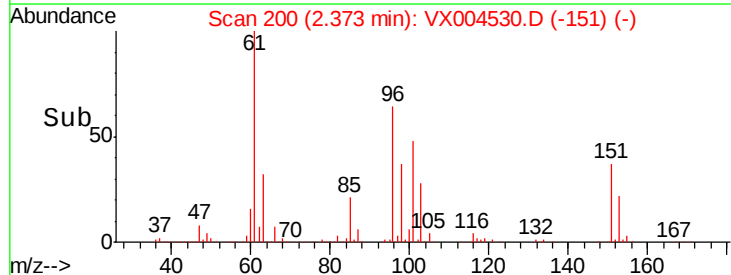
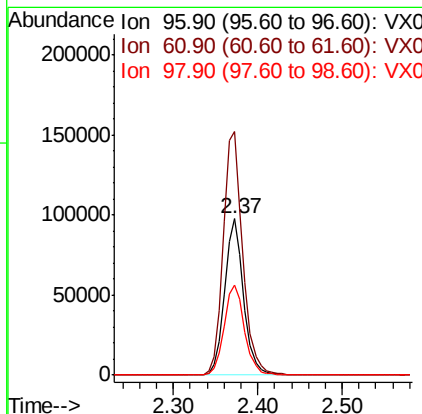
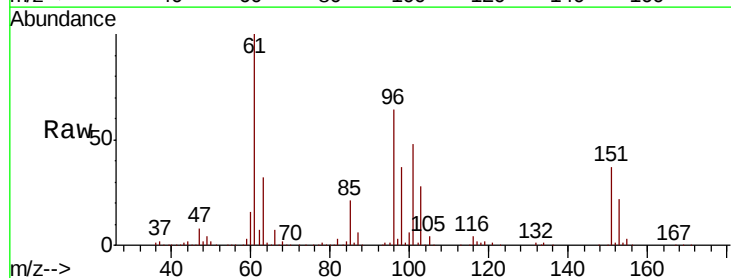
MMDadoda  
 9/17/2018 5:09:21 PM

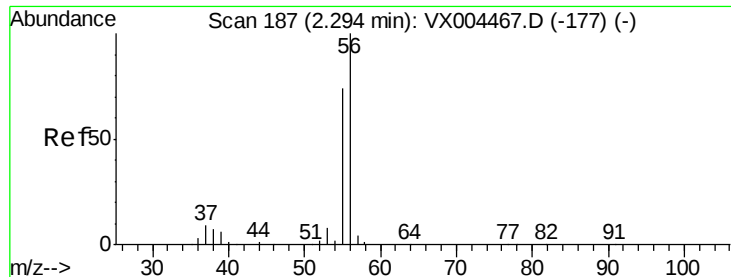


#12

1,1-Dichloroethene  
 Concen: 48.42 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion   | 96    | Resp  | 151453 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 155.6 | 128.8 | 193.2  |
| 98        | 57.9  | 52.2  | 78.2   |





#13

Acrolein

Concen: 202.58 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73647

Ion Ratio Lower Upper

56 100

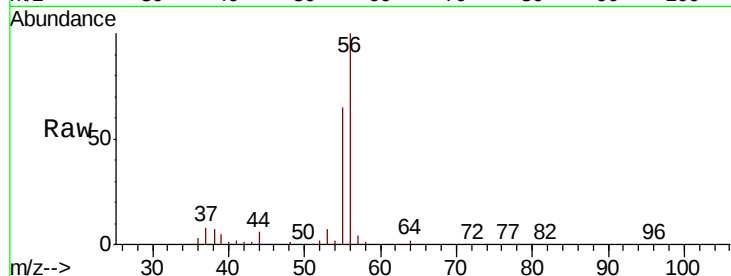
55 71.3 54.7 82.1

Manual Integrations

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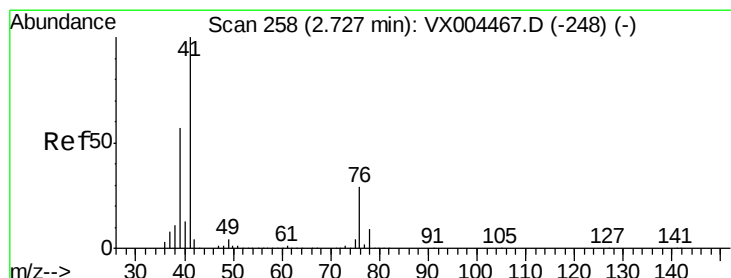
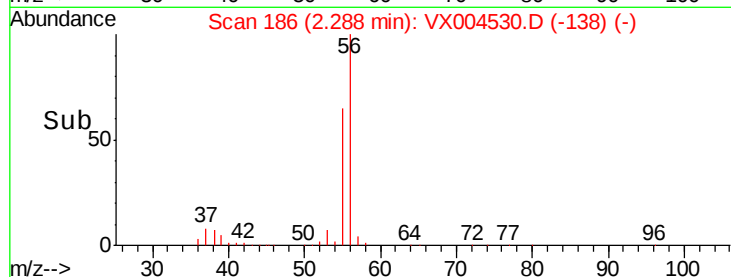
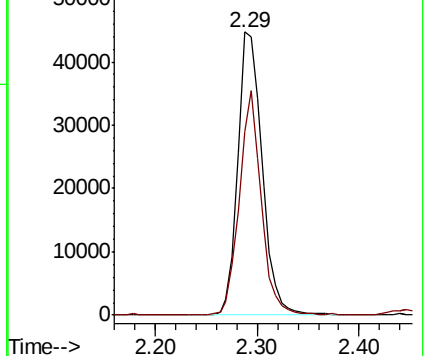
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.72 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

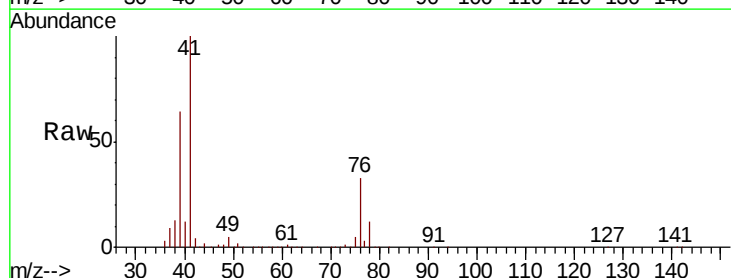
Tgt Ion: 41 Resp: 293966

Ion Ratio Lower Upper

41 100

39 57.8 48.9 73.3

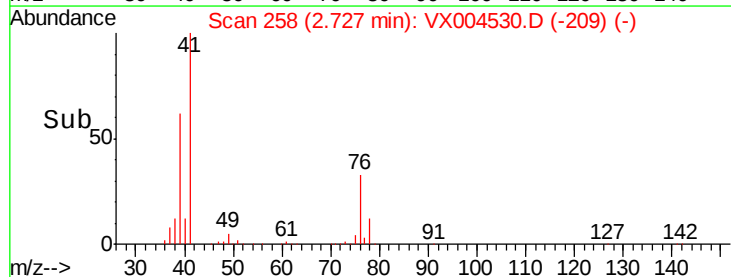
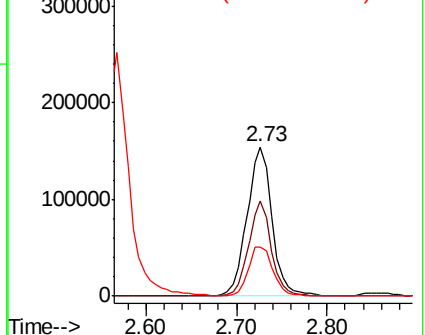
76 32.8 26.7 40.1

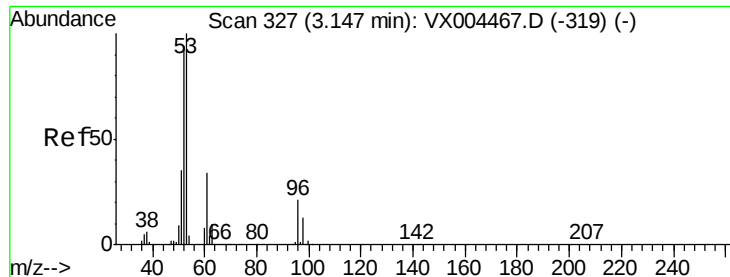


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 212.74 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

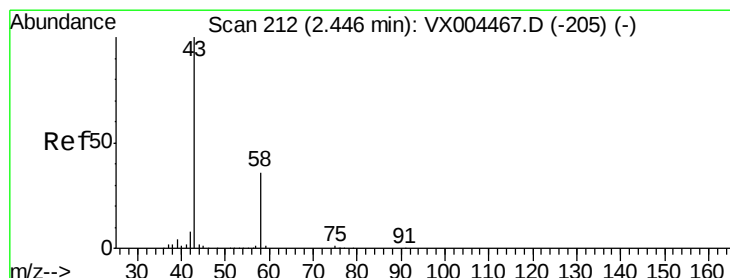
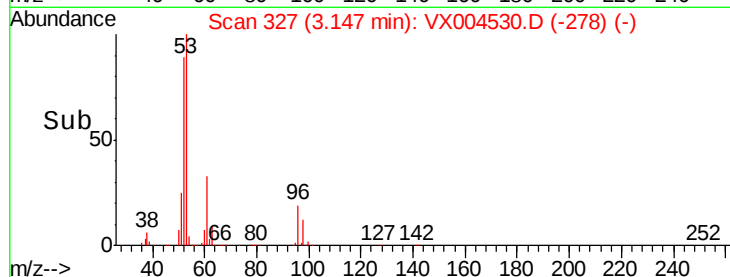
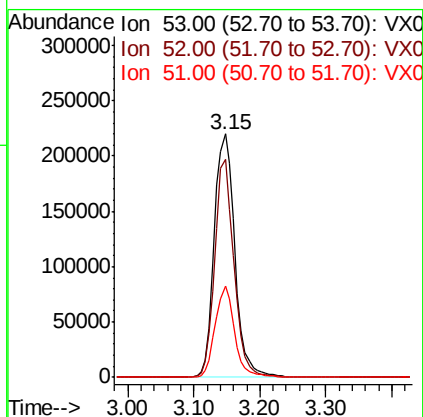
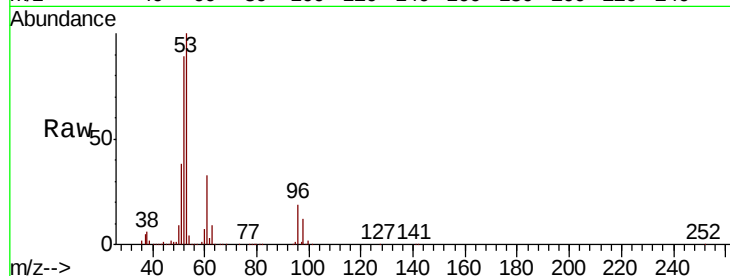
ClientSampled :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 471830 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.5  | 65.2  | 97.8   |
| 51       | 35.7  | 28.2  | 42.2   |

Manual Integrations  
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#16

Acetone

Concen: 220.80 ug/l

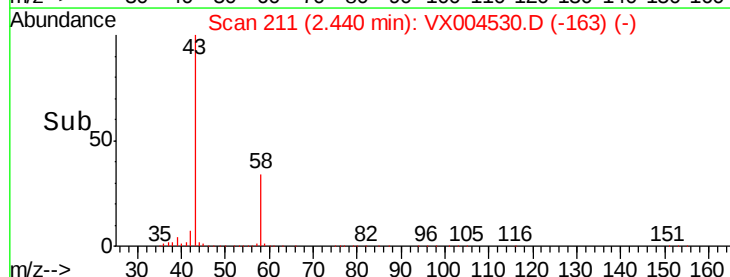
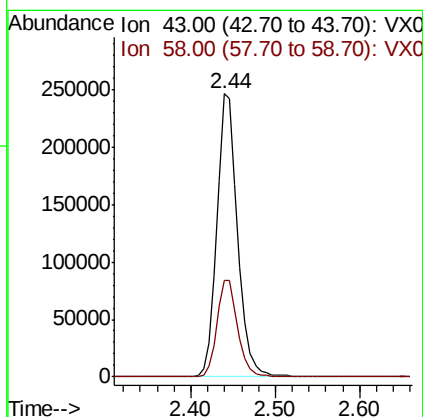
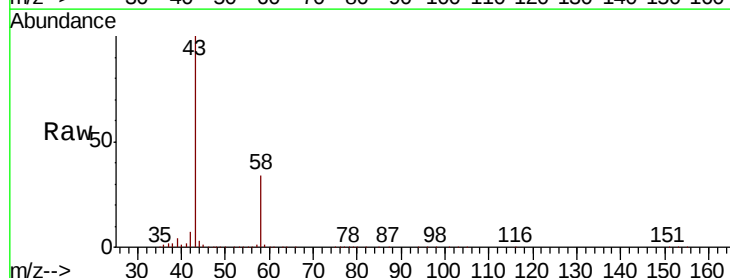
RT: 2.44 min Scan# 211

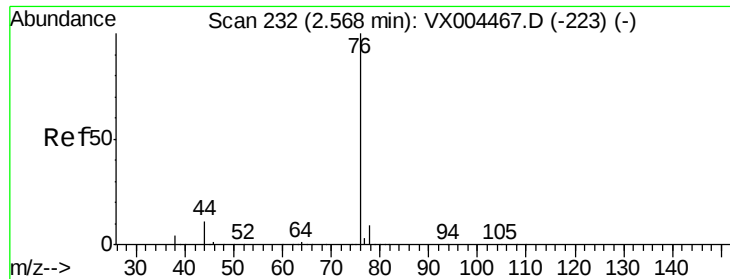
Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 415943 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.3  | 26.2  | 39.4   |





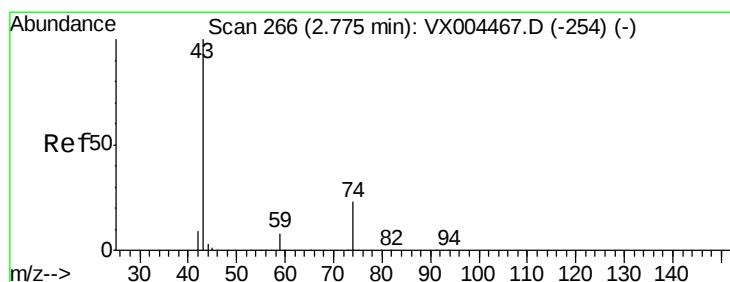
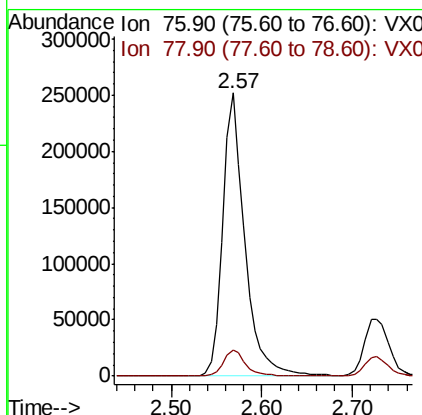
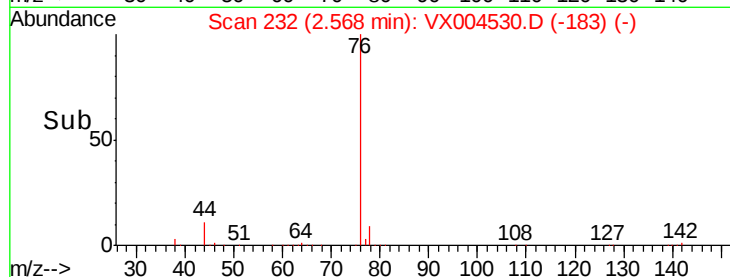
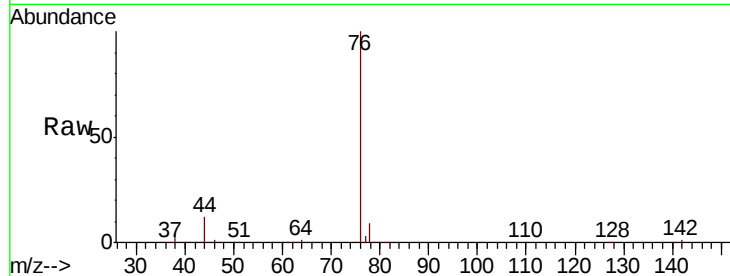
#17  
Carbon Disulfide  
Concen: 47.28 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.0   | 10.6  |

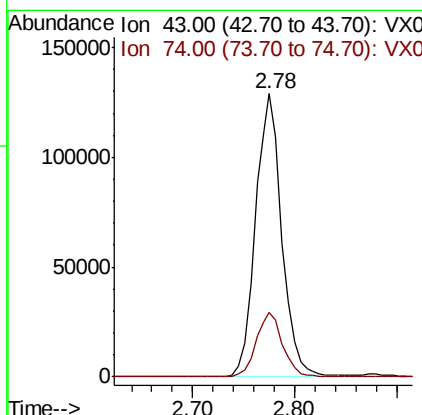
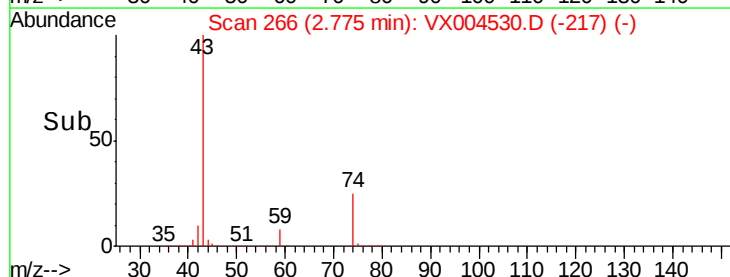
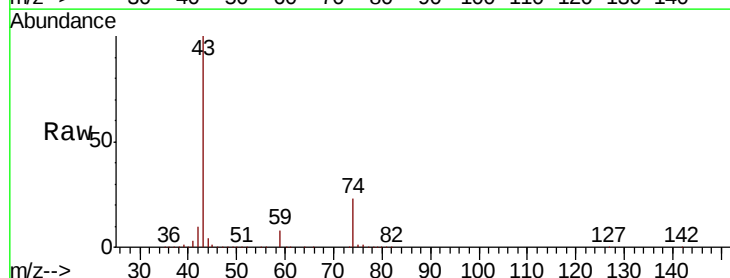
Manual Integrations  
APPROVED

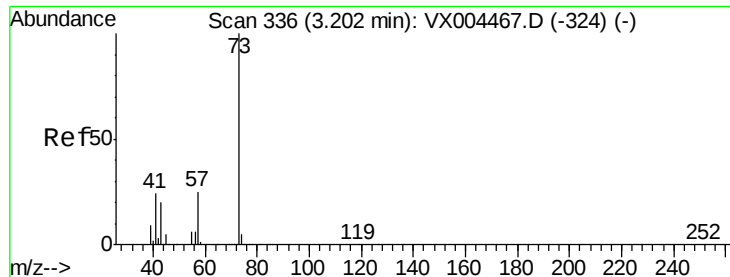
MMDadoda  
9/17/2018 5:09:21 PM



#18  
Methyl Acetate  
Concen: 43.55 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.3  | 19.4  | 29.2  |





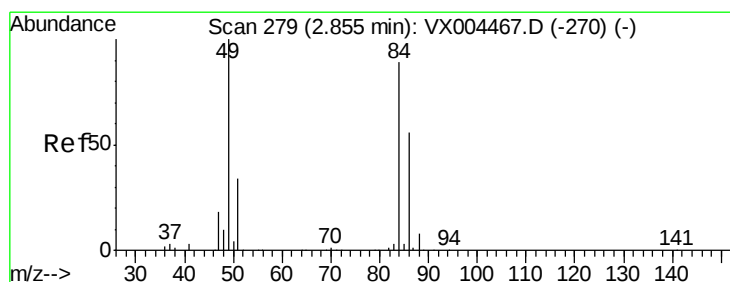
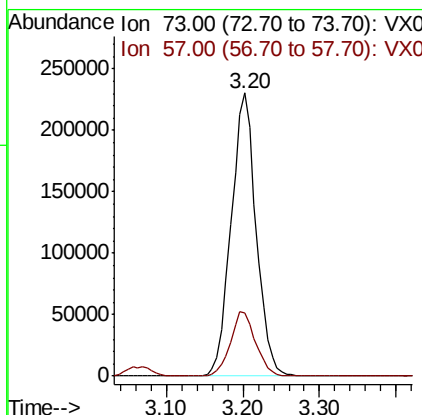
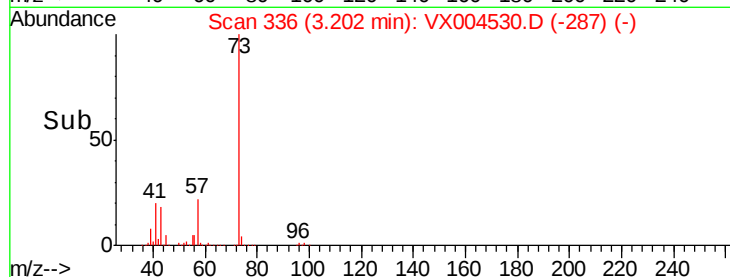
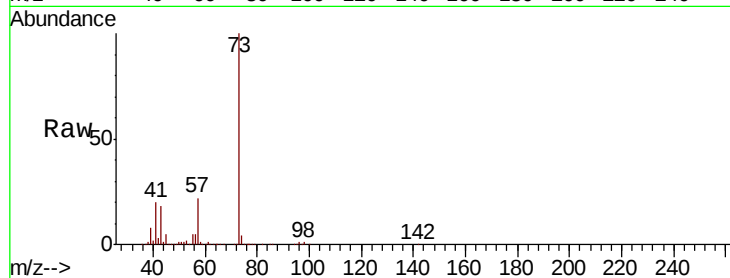
#19  
Methyl tert-butyl Ether  
Concen: 47.42 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.2  | 17.1  | 25.7  |

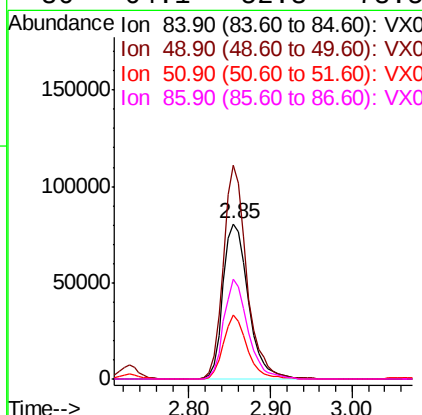
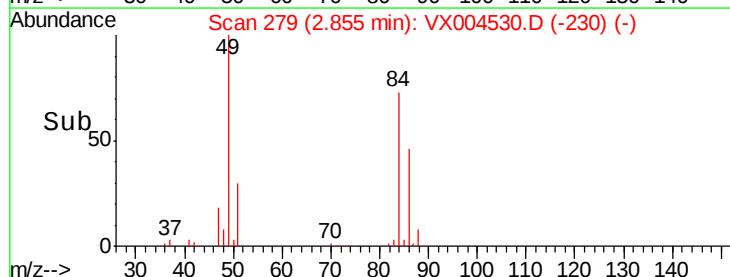
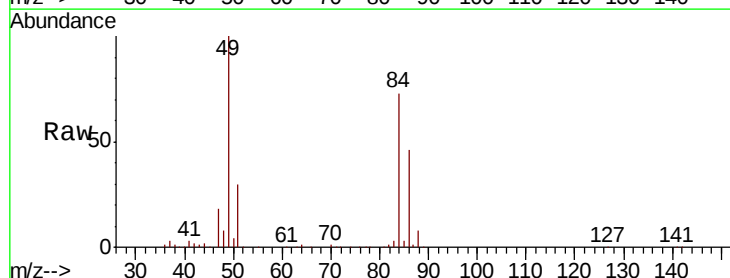
Manual Integrations  
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9/17/2018 5:09:21 PM



#20  
Methylene Chloride  
Concen: 44.91 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.9 | 101.2 | 151.8 |
| 51      | 41.6  | 29.5  | 44.3  |
| 86      | 64.1  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 47.09 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

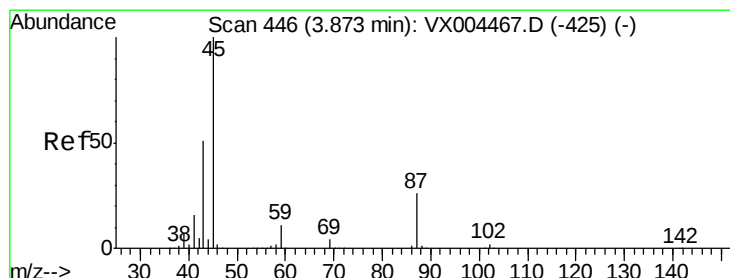
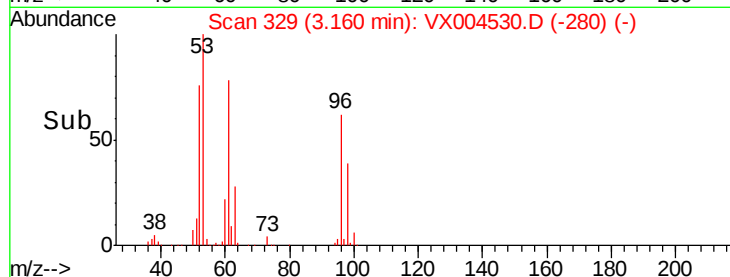
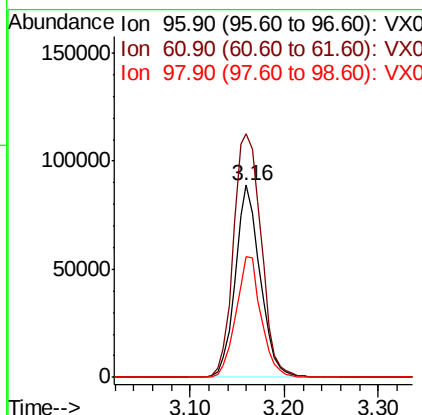
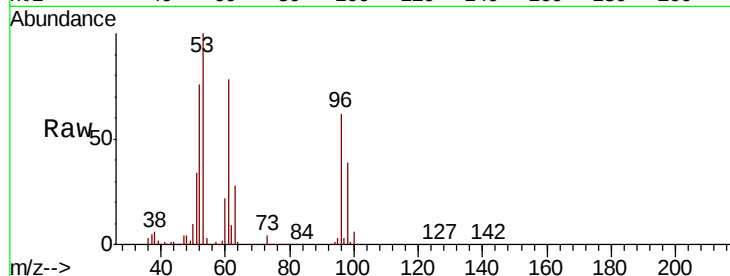
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 162761 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 126.9 | 113.8 | 170.6  |
| 98        | 63.2  | 51.8  | 77.8   |

Manual Integrations  
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9/17/2018 5:09:21 PM



#22

Diisopropyl ether

Concen: 47.61 ug/l

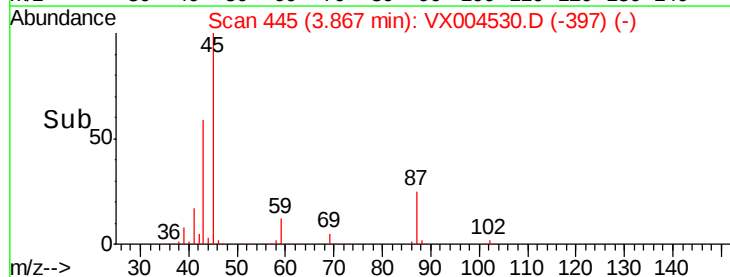
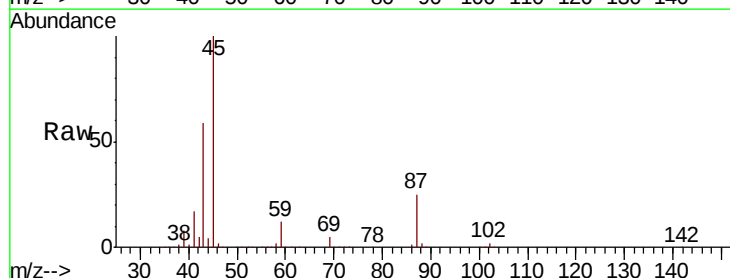
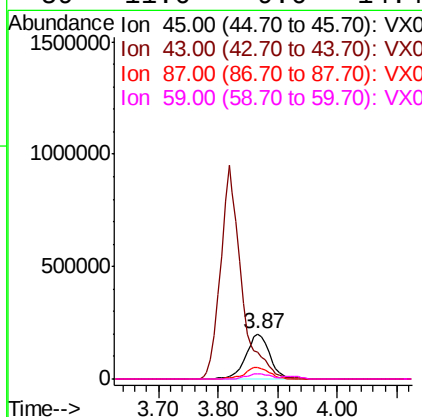
RT: 3.87 min Scan# 445

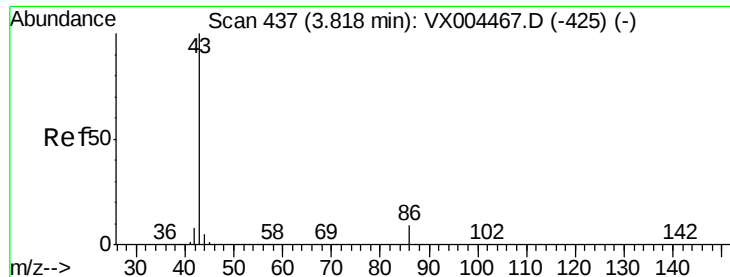
Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 551442 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 58.8  | 42.8  | 64.2   |
| 87        | 25.2  | 22.6  | 34.0   |
| 59        | 11.6  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 246.63 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2311409

Ion Ratio Lower Upper

43 100

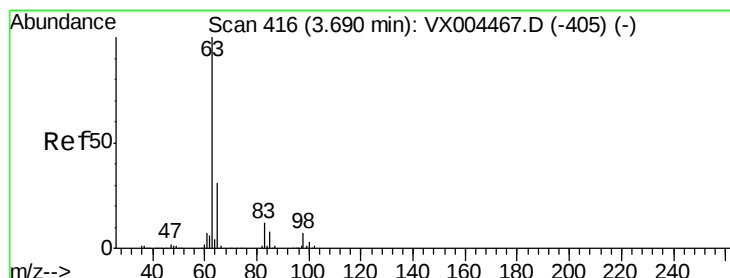
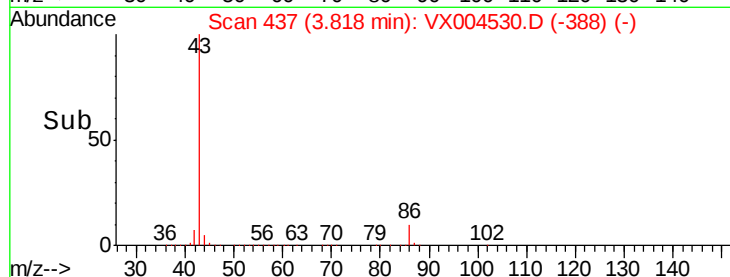
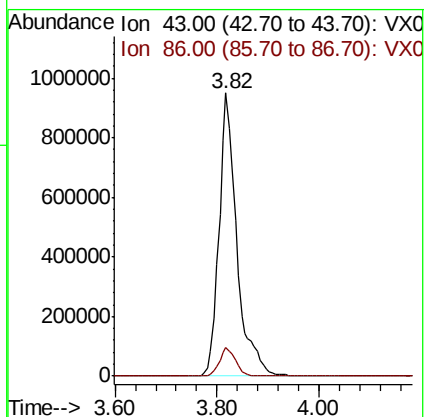
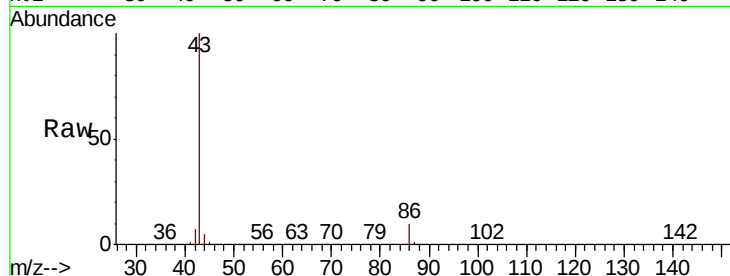
86 10.2 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.45 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

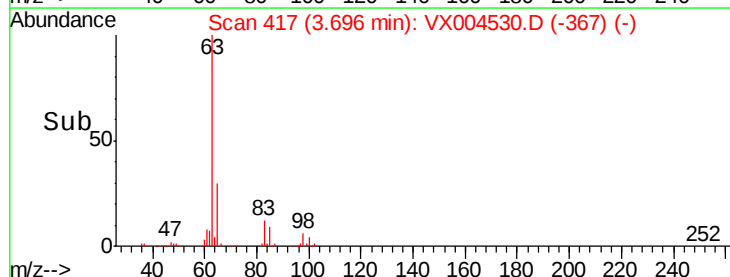
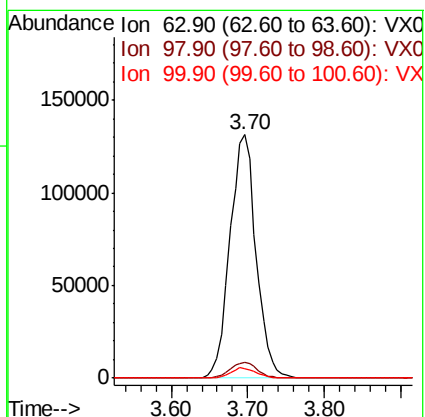
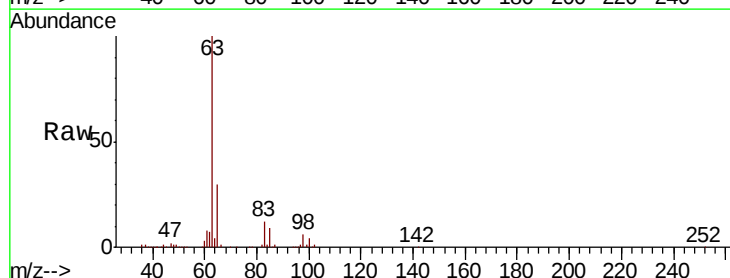
Tgt Ion: 63 Resp: 310269

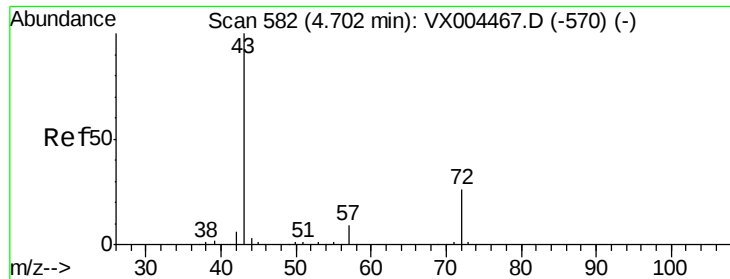
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 206.70 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 619717

Ion Ratio Lower Upper

43 100

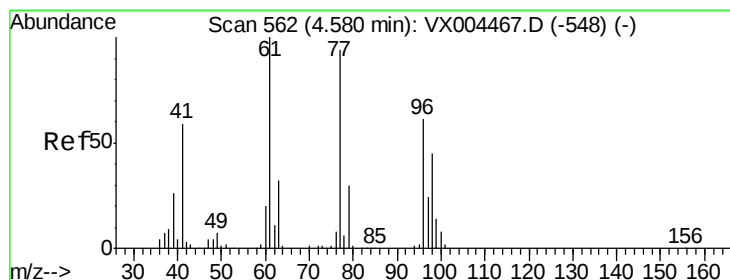
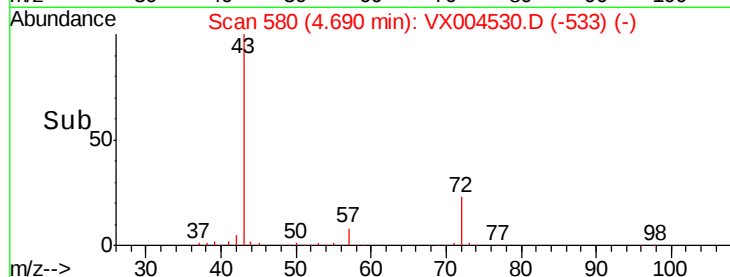
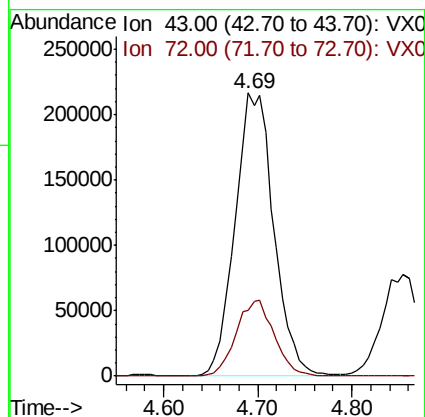
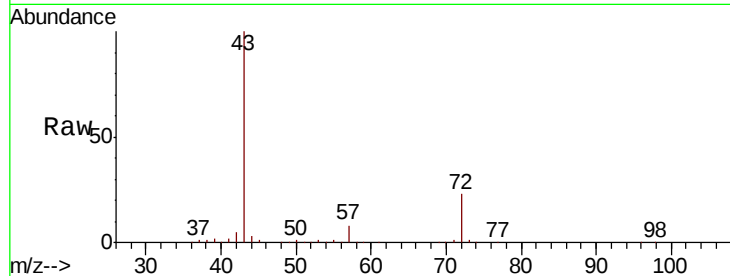
72 23.2 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.00 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004530.D

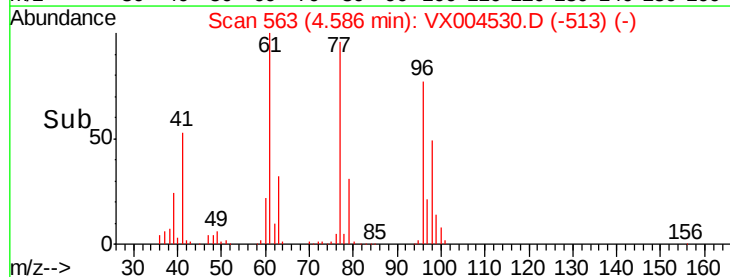
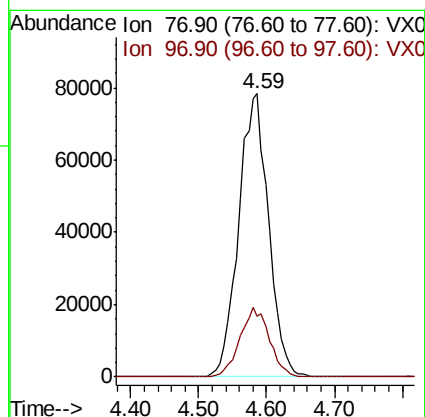
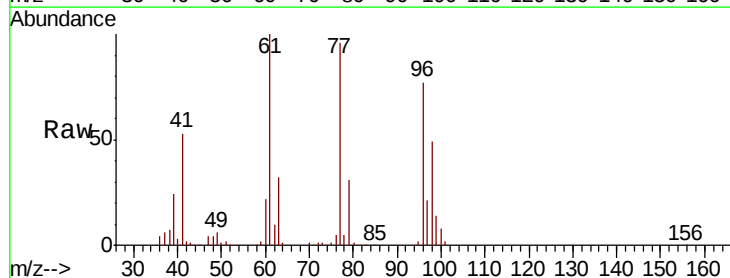
Acq: 14 Sep 2018 10:23

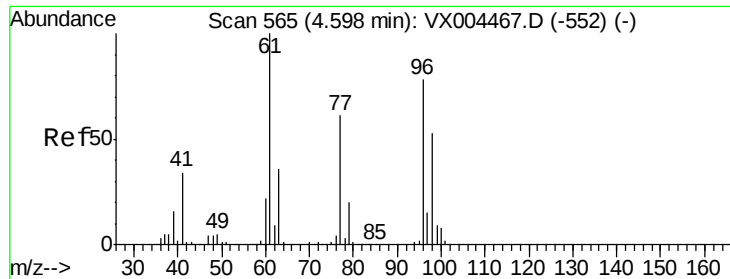
Tgt Ion: 77 Resp: 238038

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





#27

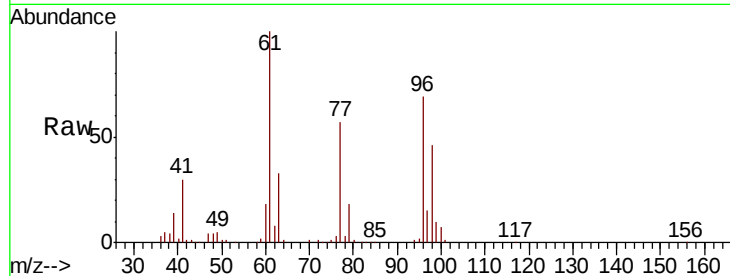
cis-1,2-Dichloroethene  
Concen: 47.50 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

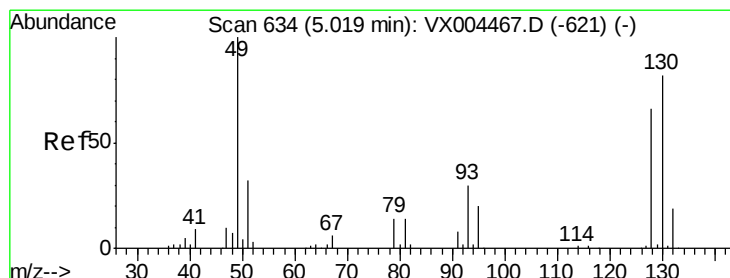
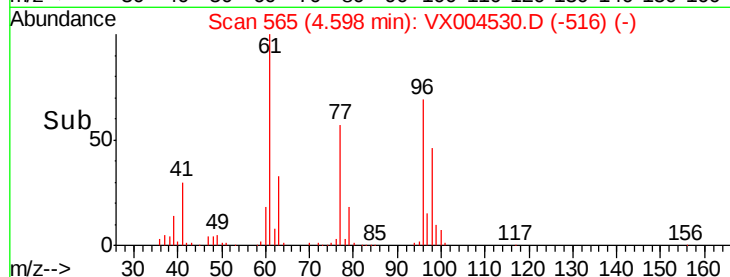
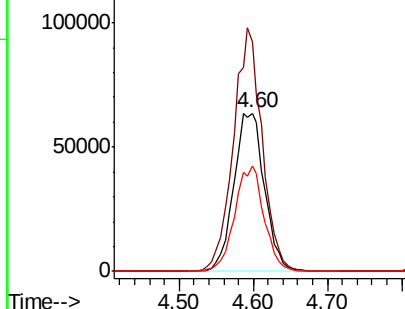
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.8 | 0.0   | 282.6 |
| 98      | 63.8  | 0.0   | 130.2 |

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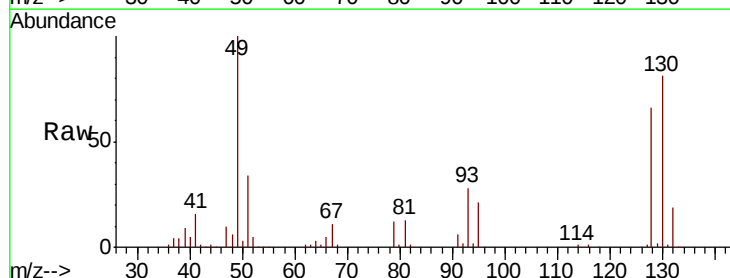
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



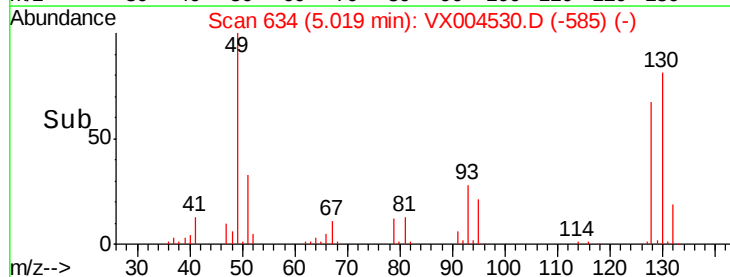
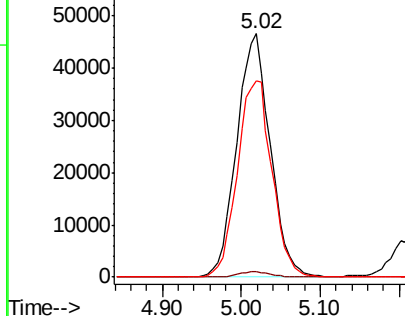
#28

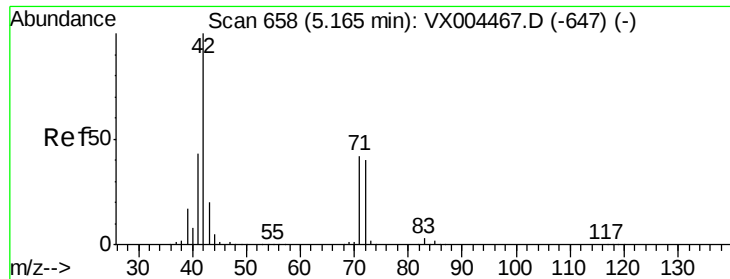
Bromochloromethane  
Concen: 45.93 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.1   | 0.0   | 4.2   |
| 130     | 83.2  | 67.5  | 101.3 |



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





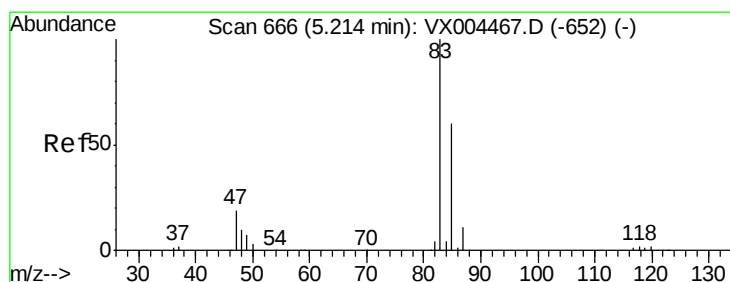
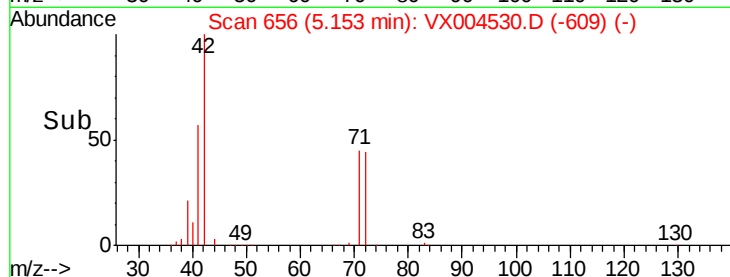
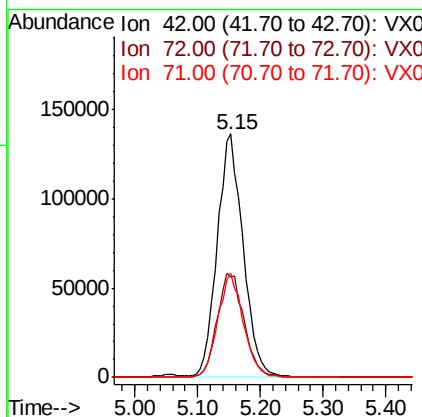
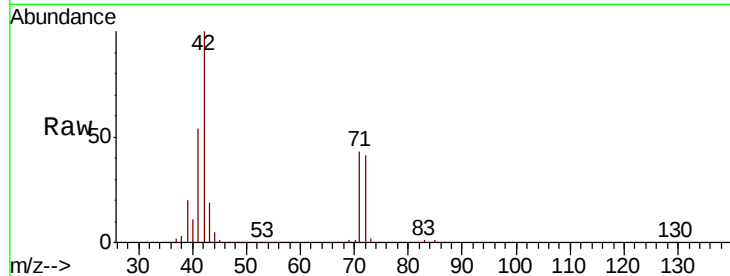
#29  
Tetrahydrofuran  
Concen: 215.08 ug/l  
RT: 5.15 min Scan# 656  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.7  | 37.4  | 56.0  |
| 71      | 42.2  | 34.5  | 51.7  |

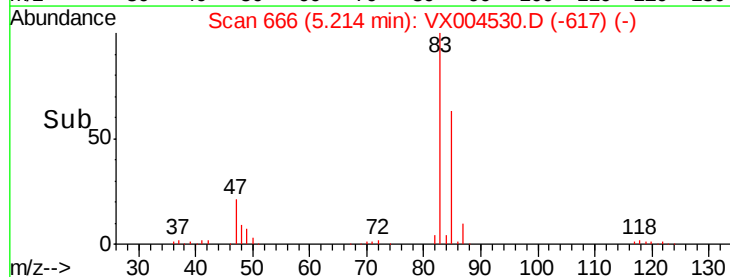
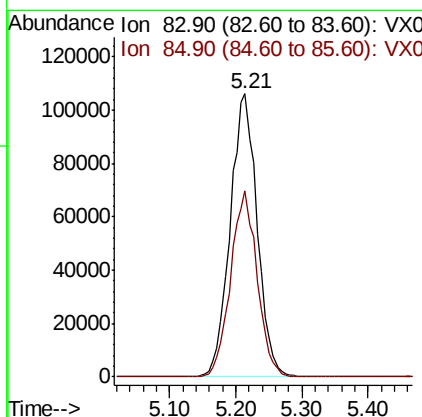
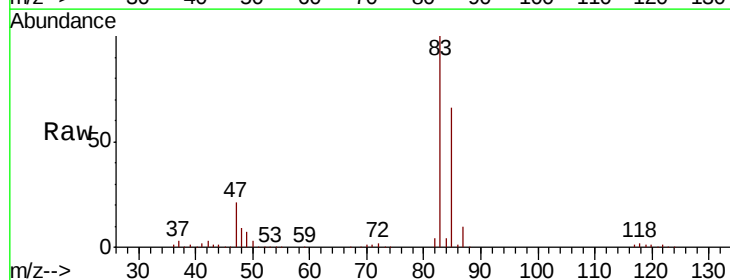
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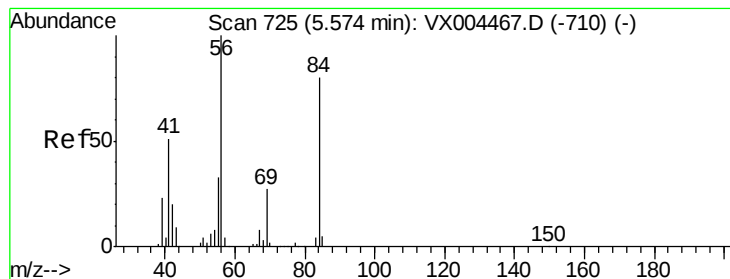
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#30  
Chloroform  
Concen: 46.84 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.7  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 50.52 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

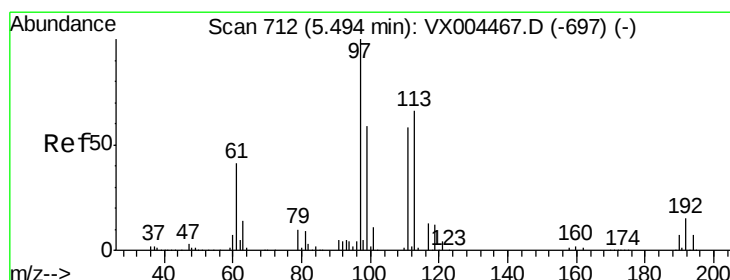
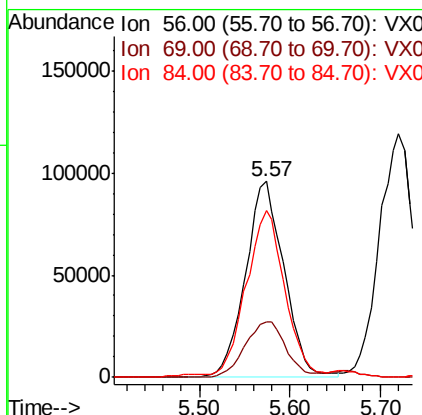
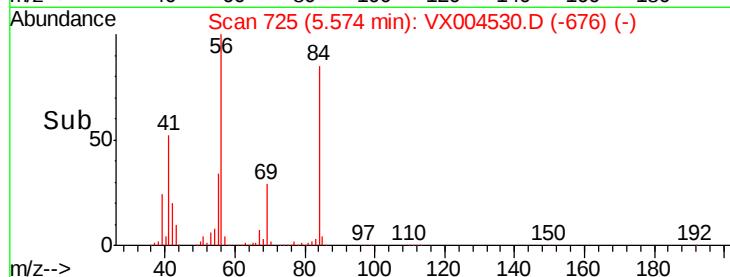
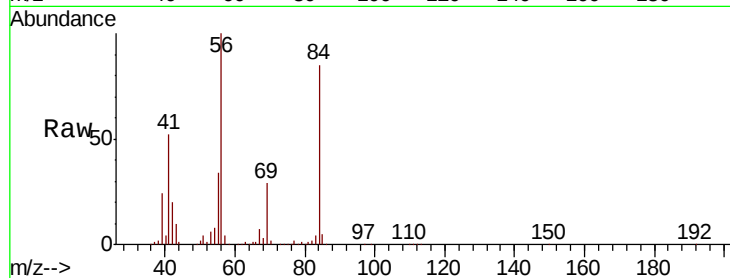
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 282076 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.6  | 25.4  | 38.2   |
| 84       | 83.9  | 71.4  | 107.2  |

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#32

1,1,1-Trichloroethane

Concen: 47.43 ug/l

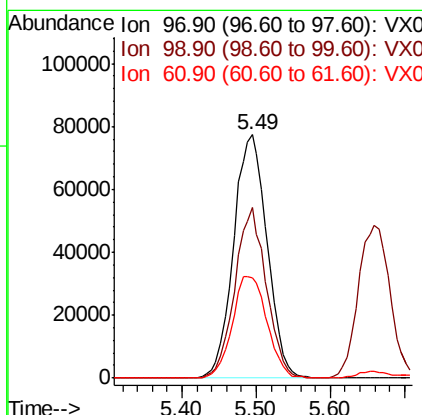
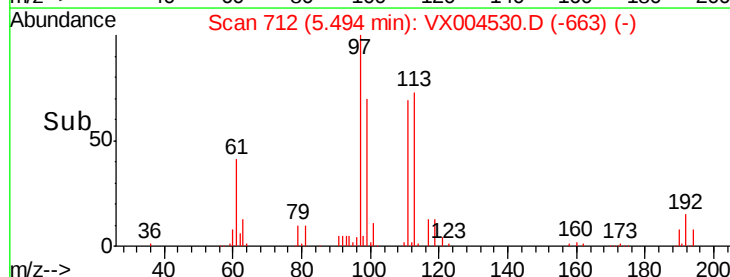
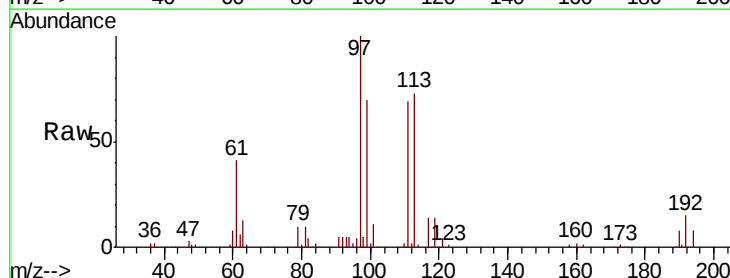
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 243859 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.8  | 52.0  | 78.0   |
| 61       | 43.5  | 34.9  | 52.3   |





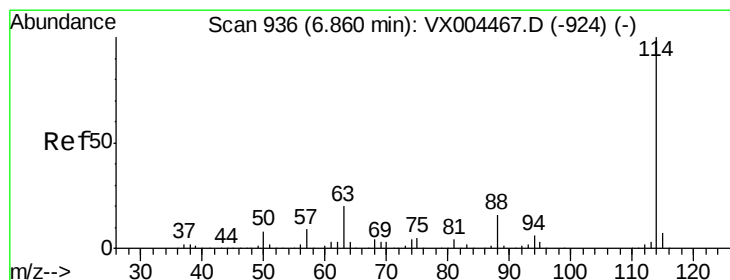
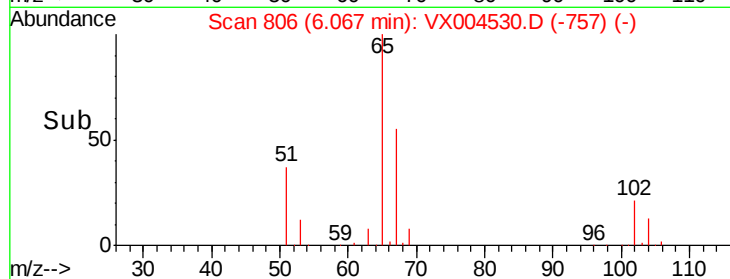
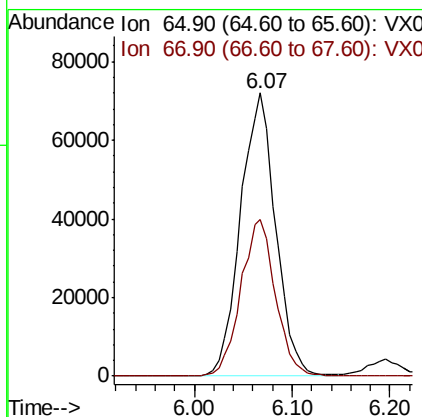
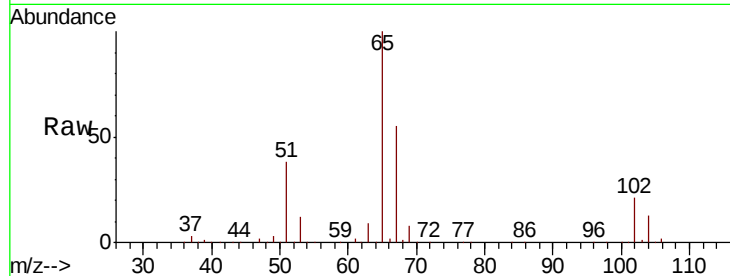
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.57 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.7  | 0.0   | 106.8 |

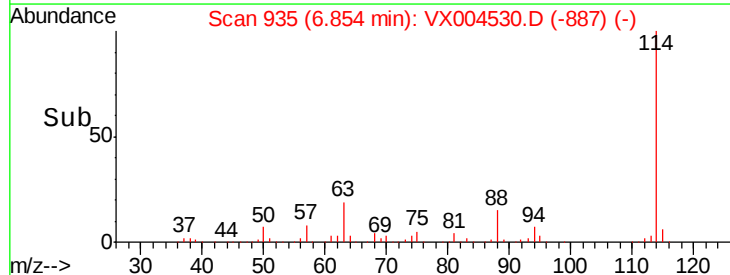
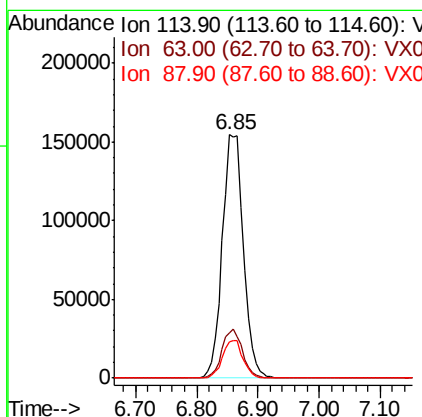
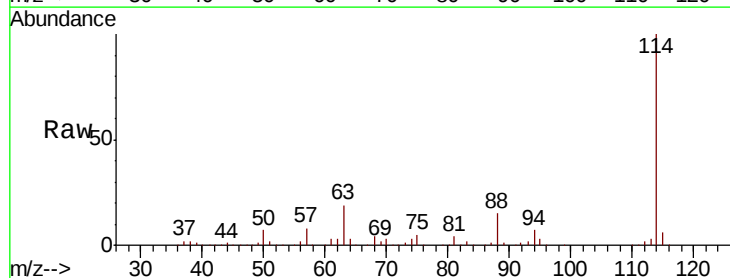
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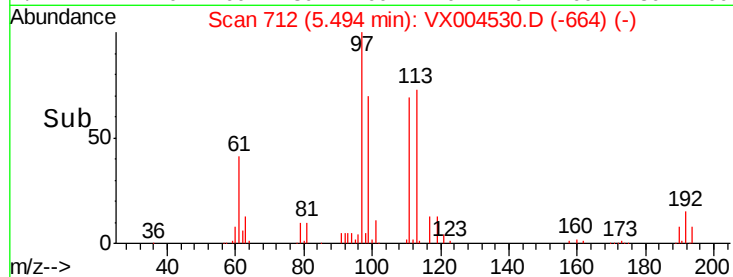
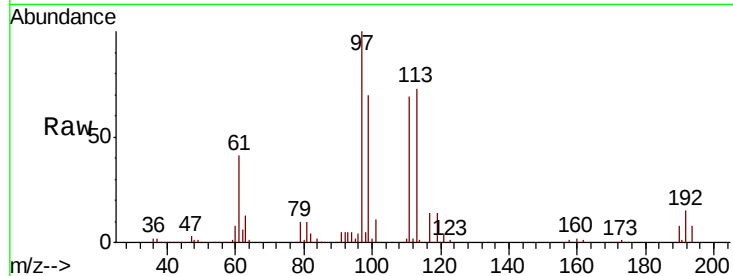
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.6  | 0.0   | 39.0  |
| 88      | 15.1  | 0.0   | 30.4  |





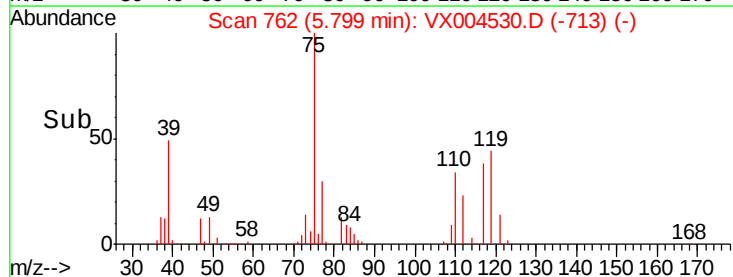
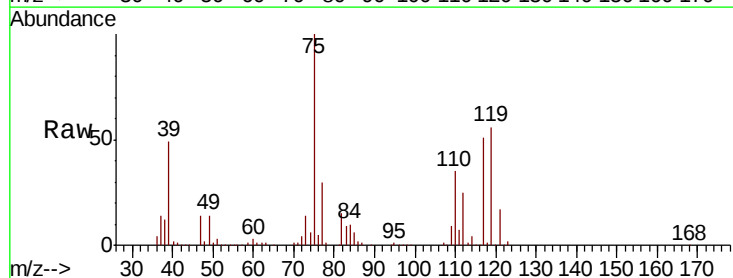
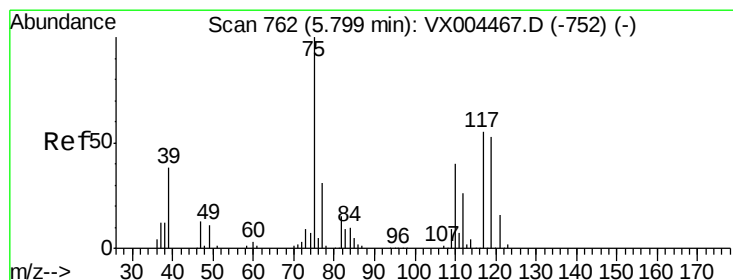
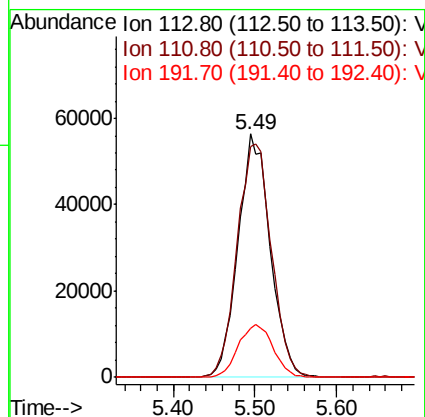
#35  
Dibromofluoromethane  
Concen: 45.59 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 154229 |       |       |
| 111     | 101.9 | 82.4   | 123.6 |       |
| 192     | 23.5  | 19.4   | 29.2  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

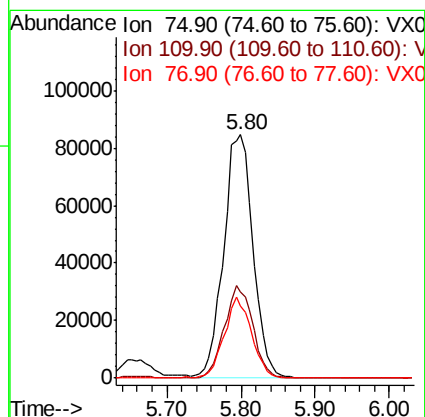
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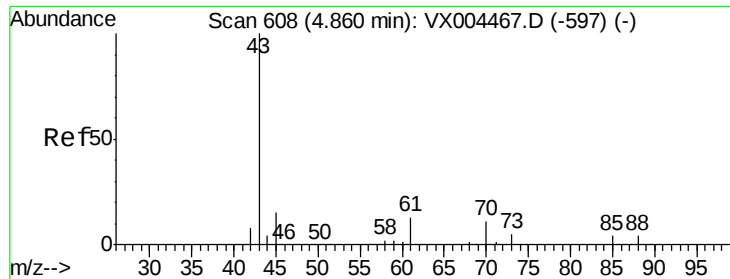
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#36  
1,1-Dichloropropene  
Concen: 51.83 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 232638 |       |       |
| 110     | 36.8  | 18.0   | 54.0  |       |
| 77      | 30.9  | 24.6   | 36.8  |       |





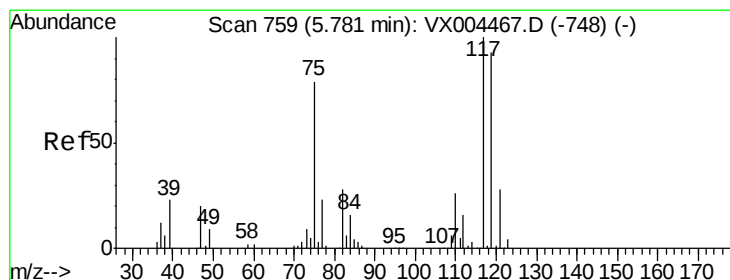
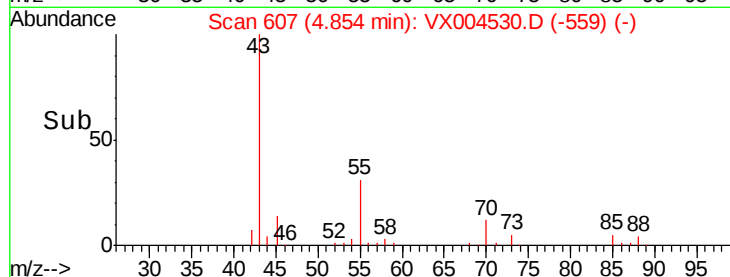
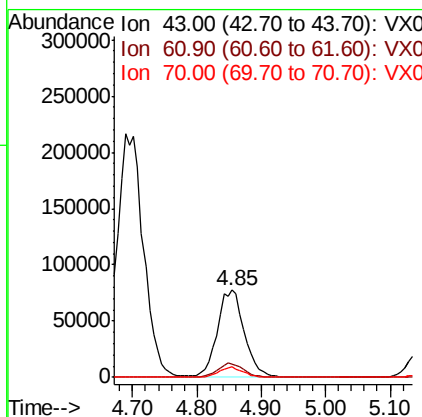
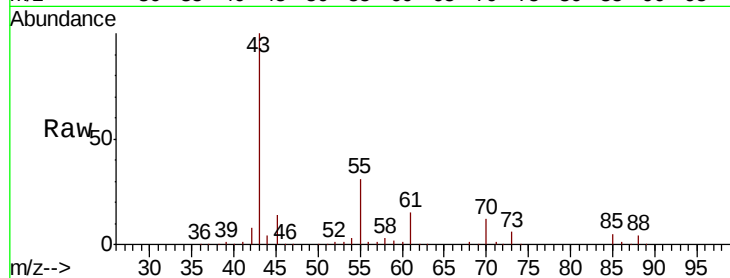
#37  
Ethyl Acetate  
Concen: 44.85 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 228960 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 15.1  | 11.5  | 17.3   |
| 70       | 11.0  | 9.0   | 13.6   |

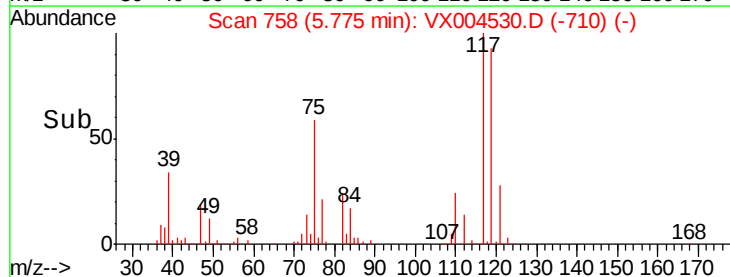
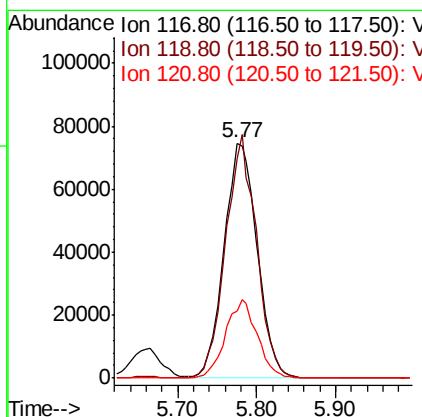
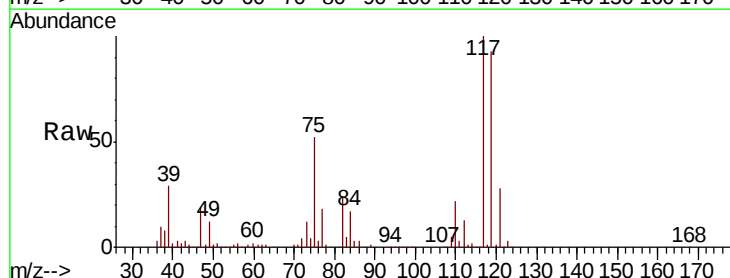
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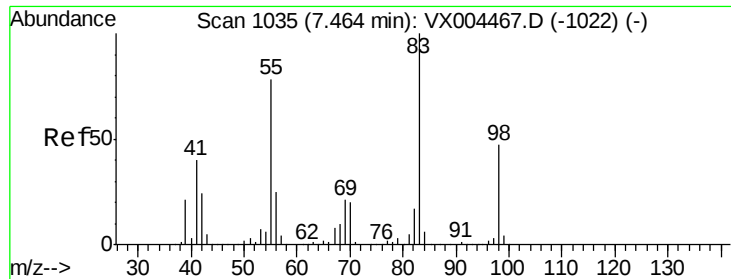
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#38  
Carbon Tetrachloride  
Concen: 49.64 ug/l  
RT: 5.77 min Scan# 758  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 217620 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.4  | 78.8  | 118.2  |
| 121      | 28.4  | 24.9  | 37.3   |





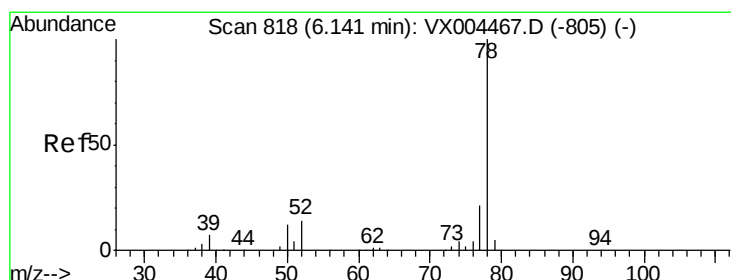
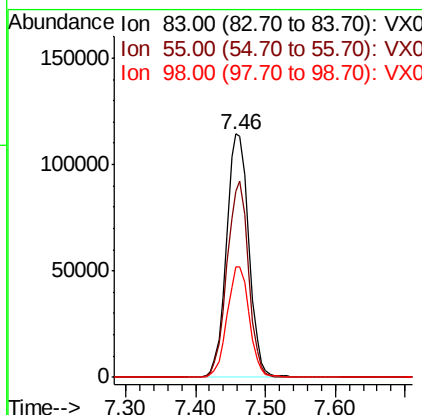
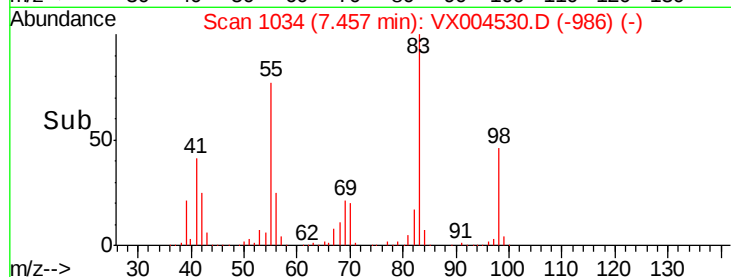
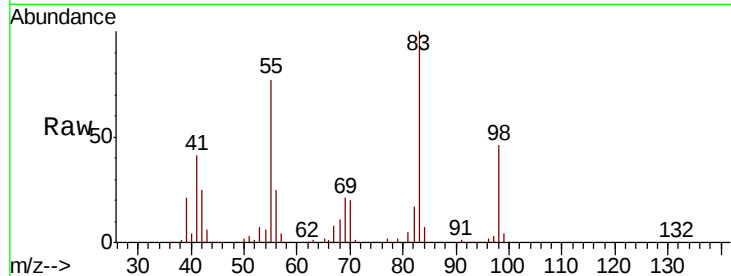
#39  
Methvlcvclohexane  
Concen: 54.09 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 253336 |       |       |
| 55      | 76.6  |        | 61.0  | 91.4  |
| 98      | 45.6  |        | 39.6  | 59.4  |

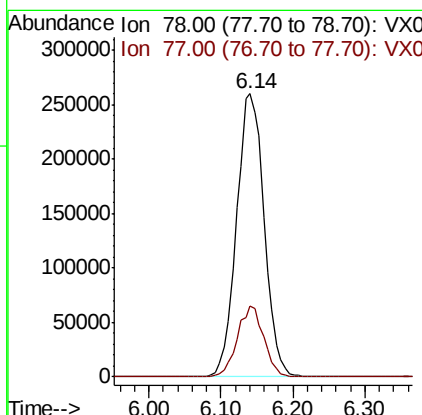
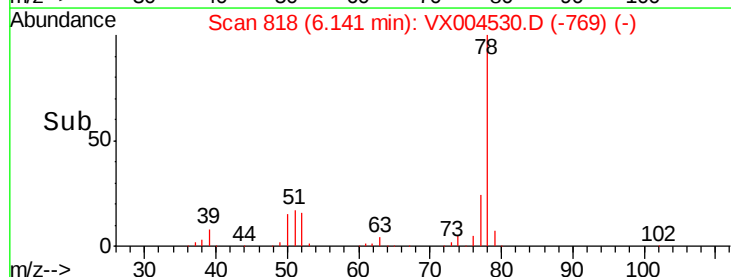
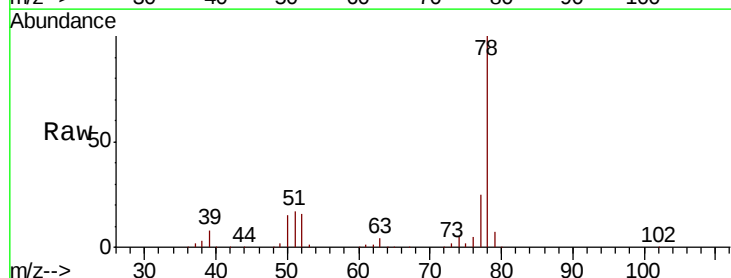
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#40  
Benzene  
Concen: 51.93 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 691554 |       |       |
| 77      | 24.9  |        | 19.0  | 28.4  |





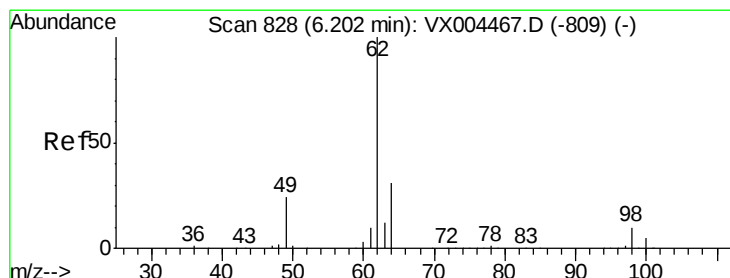
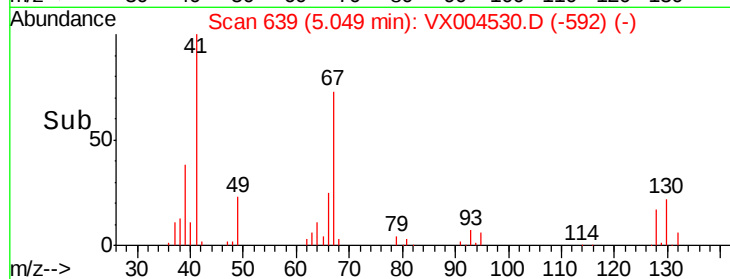
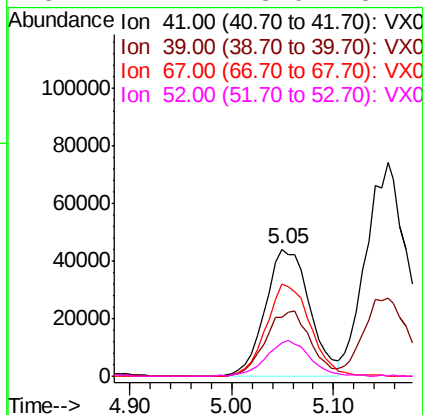
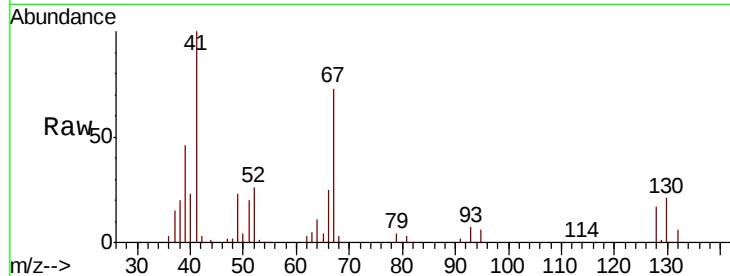
#41  
Methacrylonitrile  
Concen: 47.53 ug/l  
RT: 5.05 min Scan# 639  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 50.9  | 42.4  | 63.6  |
| 67      | 72.0  | 59.2  | 88.8  |
| 52      | 27.2  | 23.0  | 34.4  |

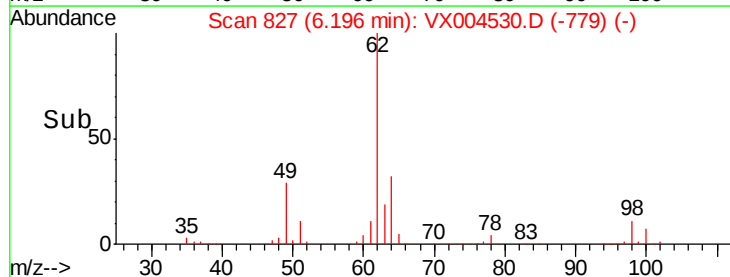
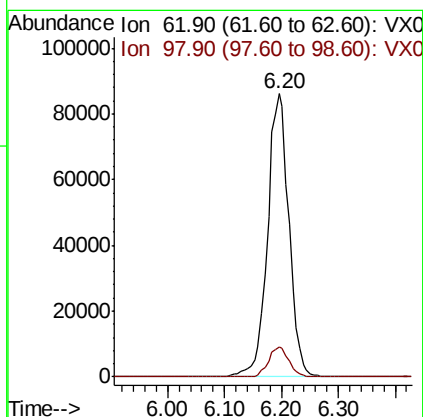
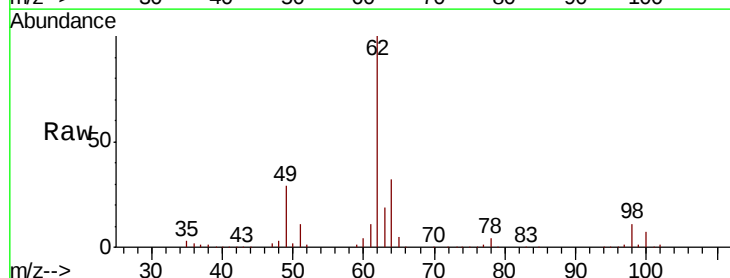
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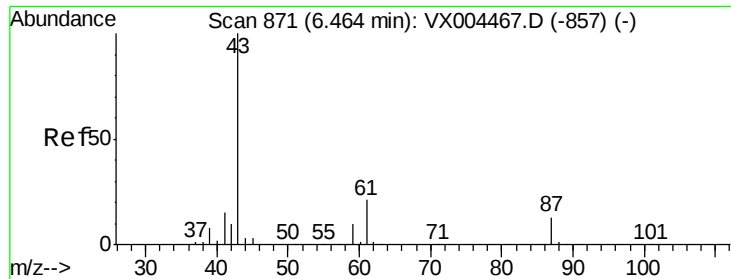
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 50.72 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.0  | 0.0   | 20.6  |





#43

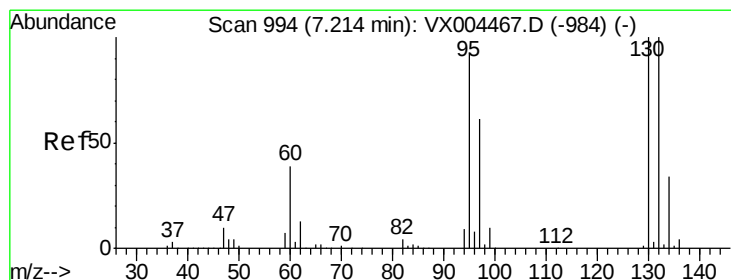
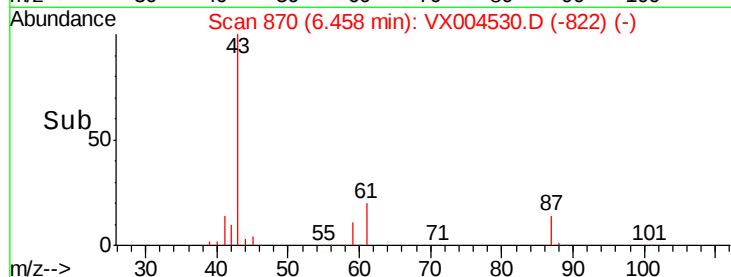
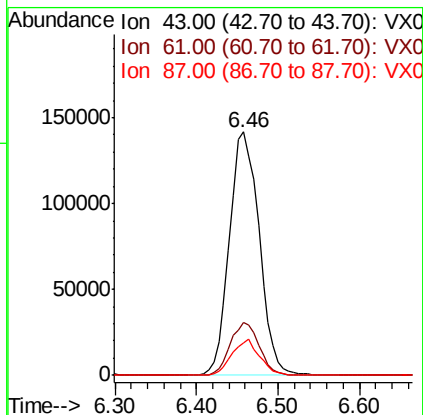
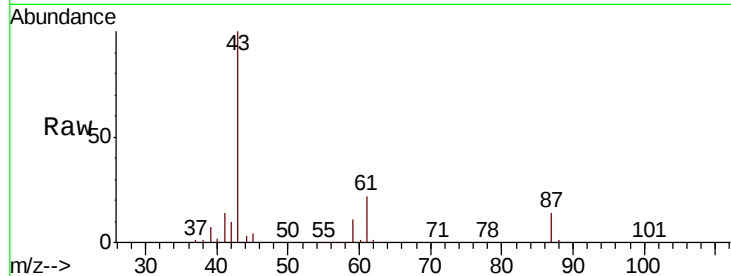
Isopropyl Acetate  
 Concen: 52.67 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.01 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.2  | 17.0  | 25.4  |
| 87      | 13.7  | 11.4  | 17.2  |

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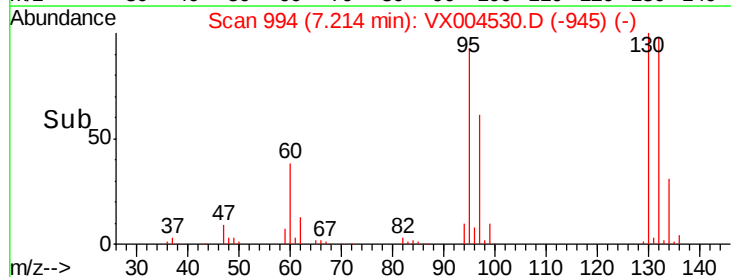
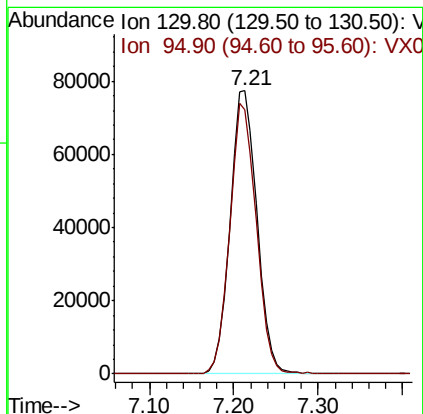
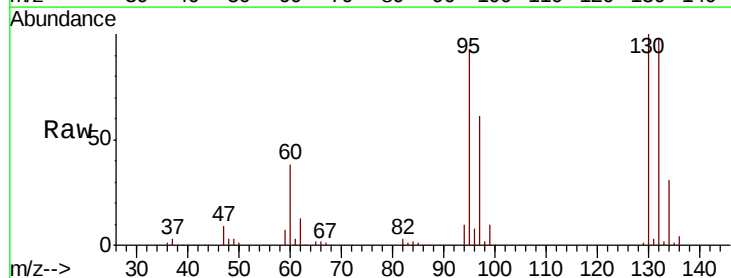
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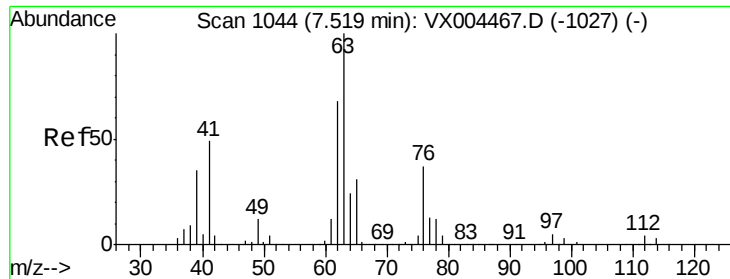


#44

Trichloroethene  
 Concen: 48.22 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.5  | 0.0   | 181.6 |





#45

1,2-Dichloropropane

Concen: 48.29 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 154721

Ion Ratio Lower Upper

63 100

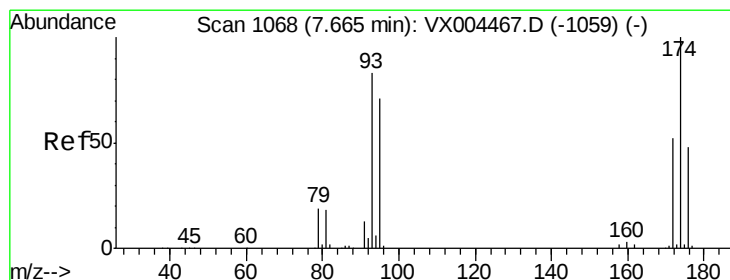
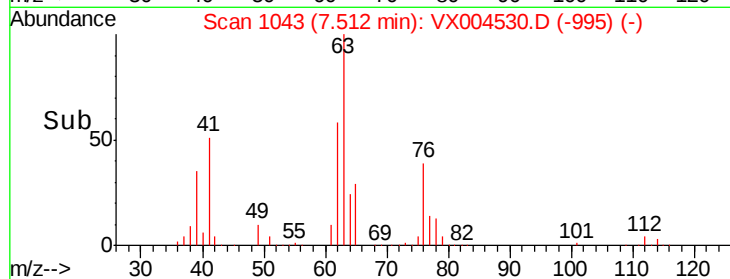
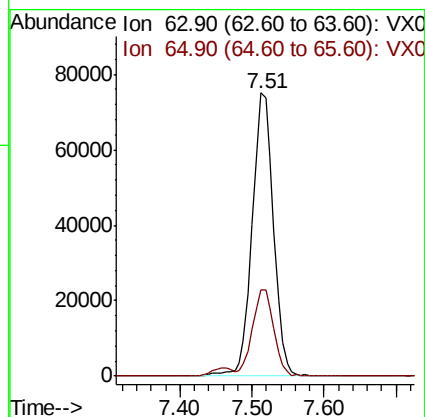
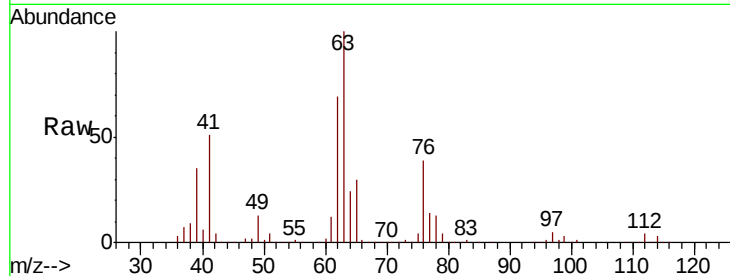
65 30.4 24.3 36.5

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#46

Dibromomethane

Concen: 48.32 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

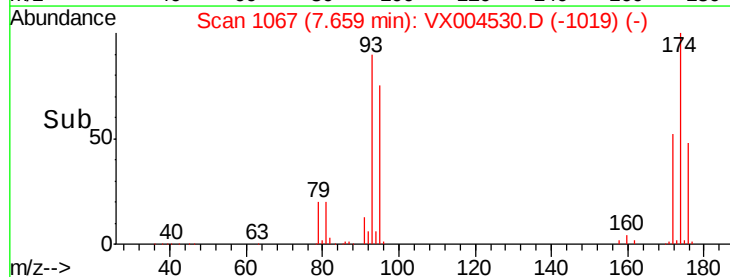
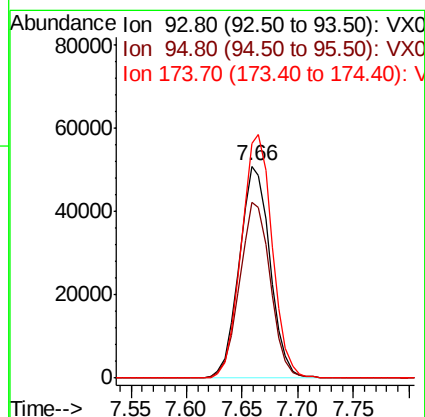
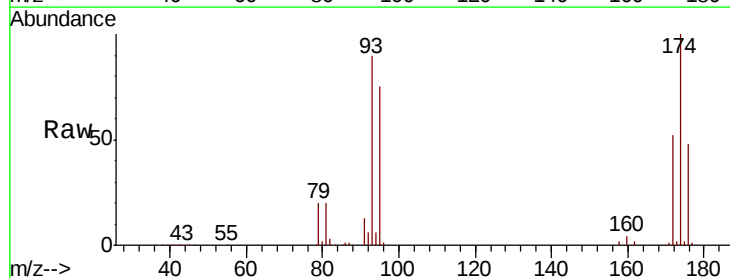
Tgt Ion: 93 Resp: 97819

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

174 115.4 94.2 141.4





#47

Bromodichloromethane

Concen: 48.78 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

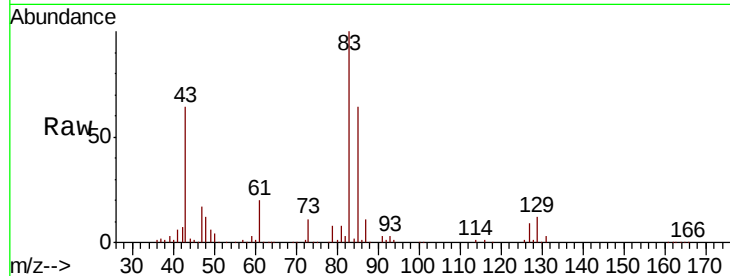
ClientSampleId :

VSTDCCC050

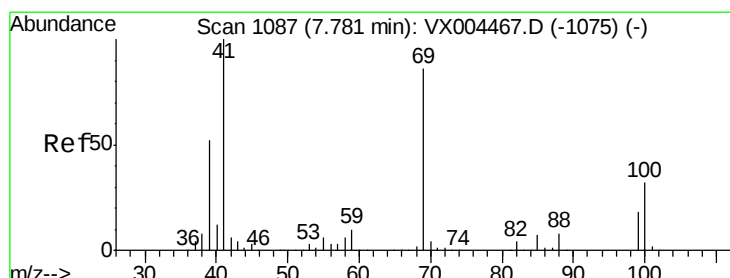
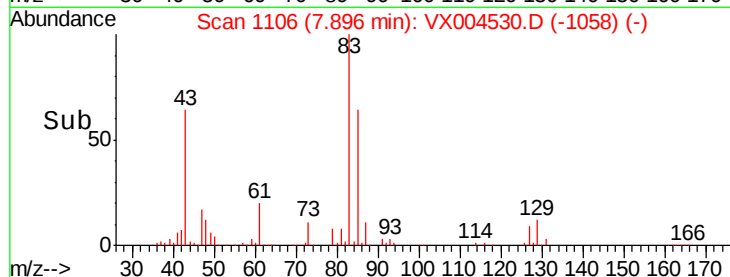
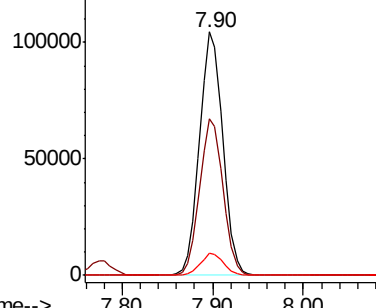
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 186742 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 50.9  | 76.3   |
| 127       | 9.0   | 7.3   | 10.9   |

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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: 47.83 ug/l

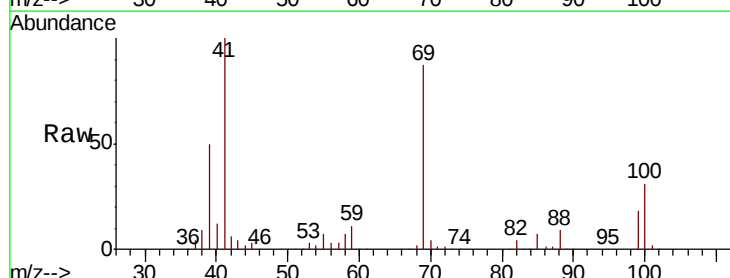
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

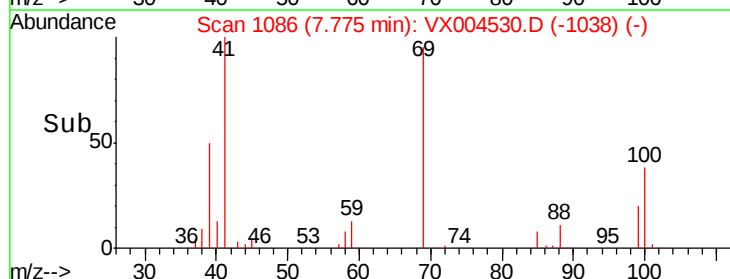
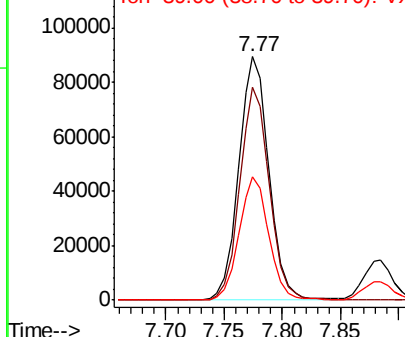
Lab File: VX004530.D

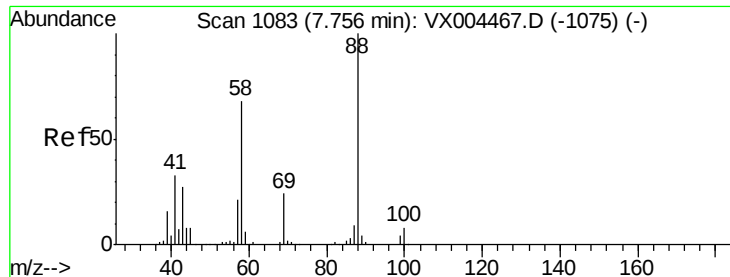
Acq: 14 Sep 2018 10:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 160486 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 86.1  | 70.2  | 105.4  |
| 39        | 50.0  | 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: 878.05 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

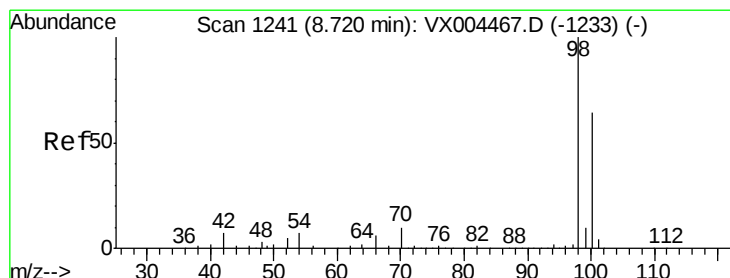
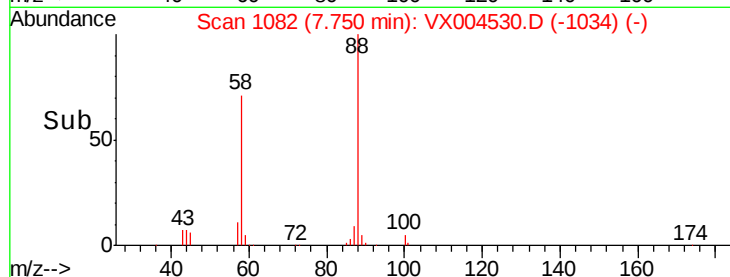
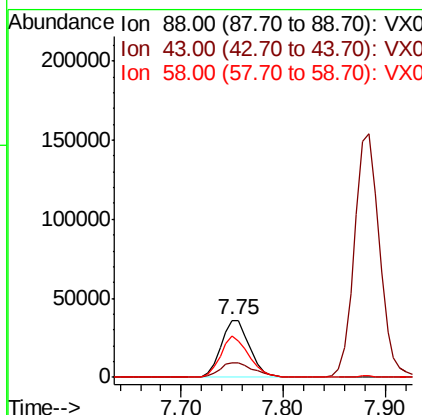
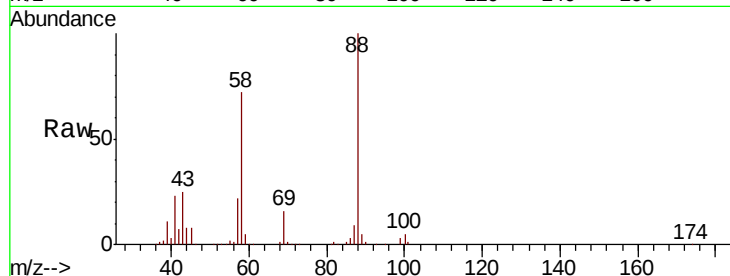
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 69729 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 30.9  | 24.7  | 37.1  |
| 58       | 71.6  | 55.3  | 82.9  |

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#50

Toluene-d8

Concen: 46.07 ug/l

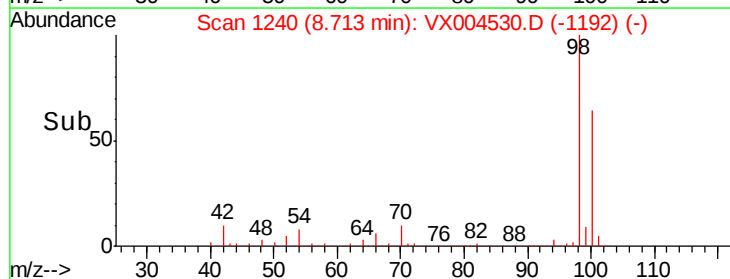
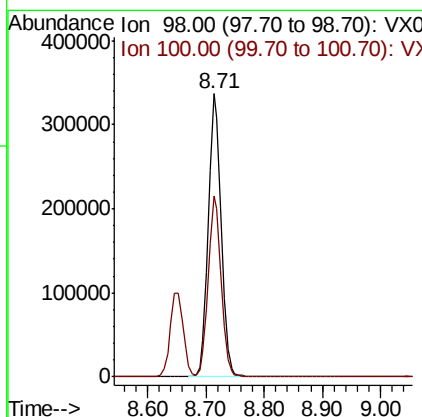
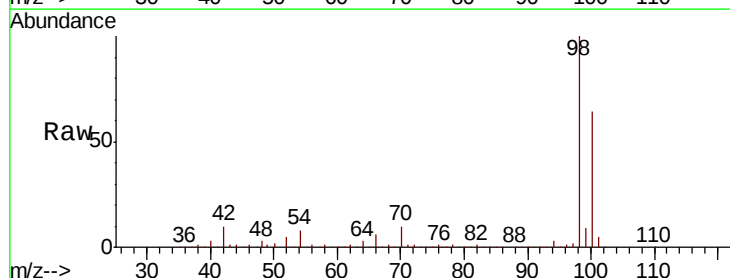
RT: 8.71 min Scan# 1240

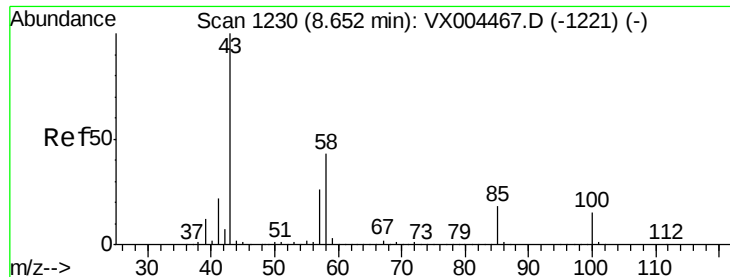
Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 522630 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.1  | 52.9  | 79.3   |





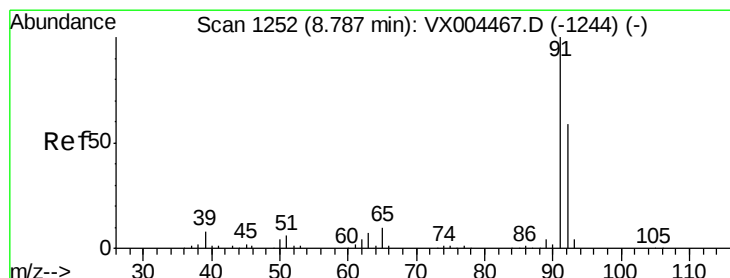
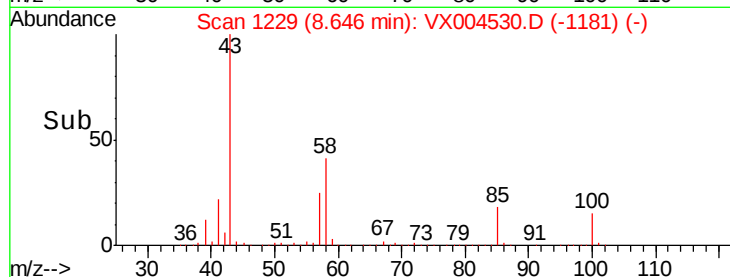
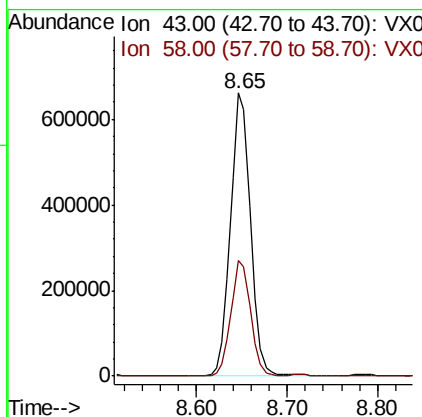
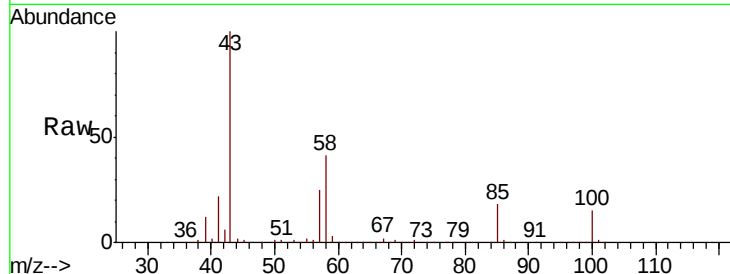
#51  
4-Methyl-2-Pentanone  
Concen: 211.94 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1014026  
Ion Ratio Lower Upper  
43 100  
58 40.4 33.1 49.7

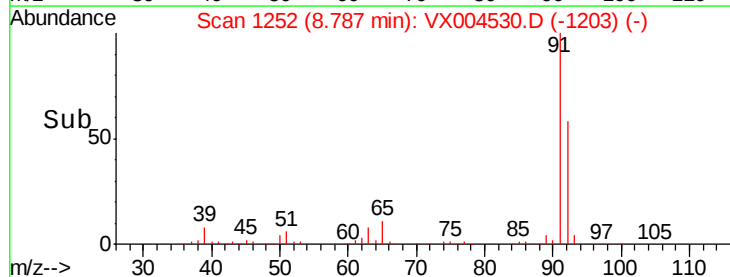
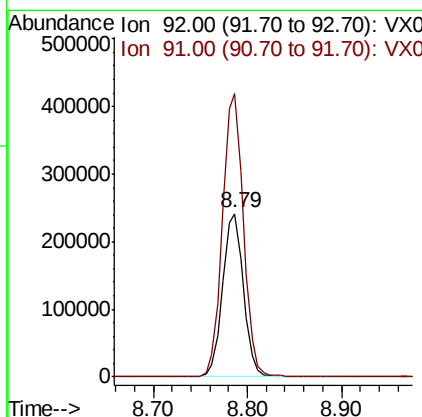
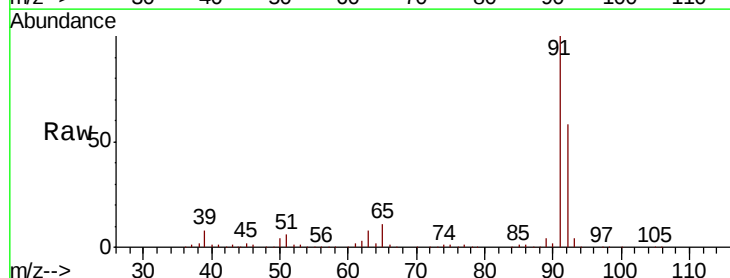
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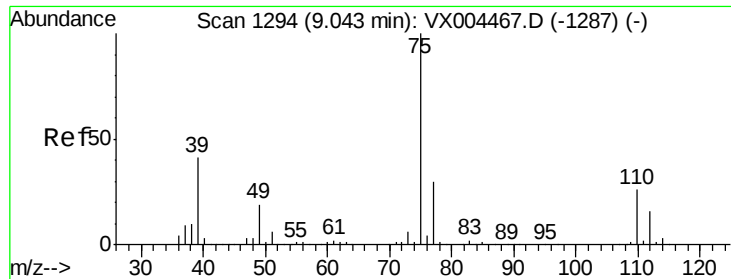
MMDadoda  
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#52  
Toluene  
Concen: 47.20 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Tgt Ion: 92 Resp: 370304  
Ion Ratio Lower Upper  
92 100  
91 174.4 136.4 204.6





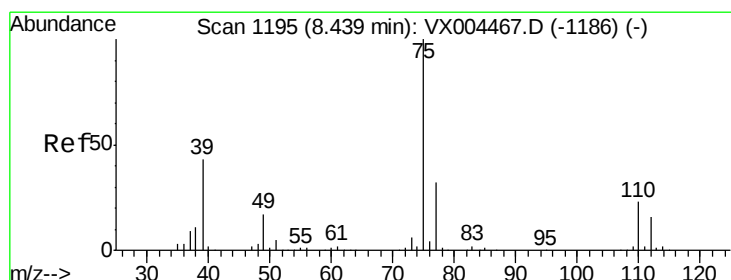
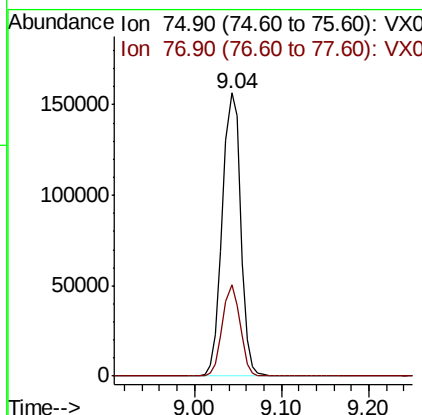
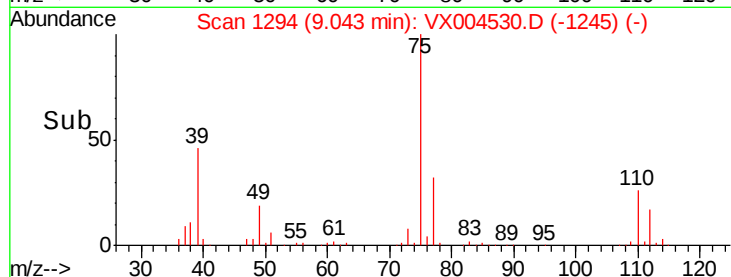
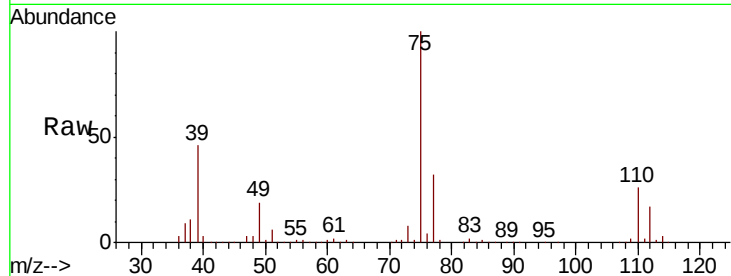
#53  
t-1,3-Dichloropropene  
Concen: 50.95 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 227858  
Ion Ratio Lower Upper  
75 100  
77 32.3 24.6 37.0

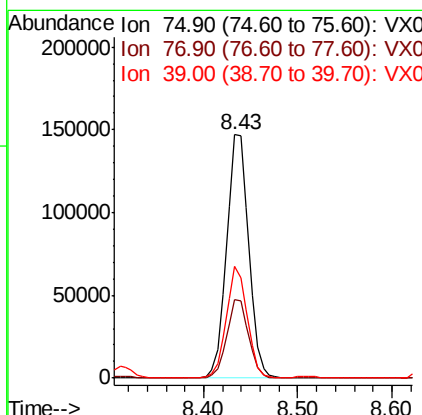
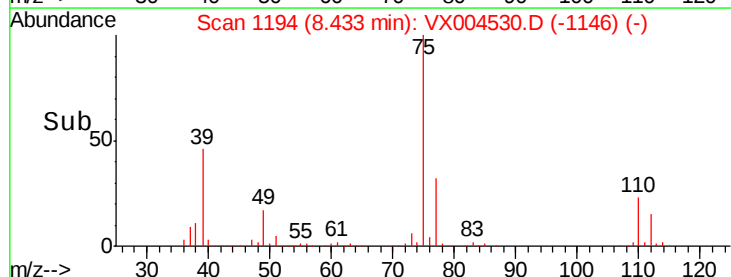
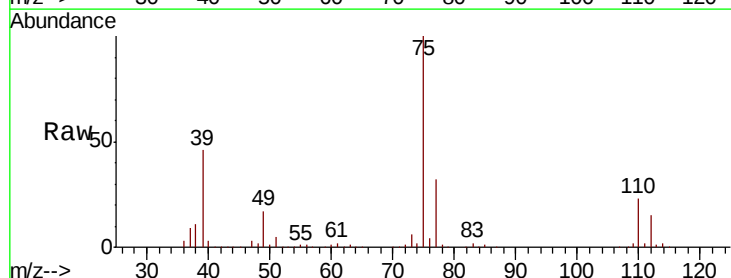
Manual Integrations  
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#54  
cis-1,3-Dichloropropene  
Concen: 52.33 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.01 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Tgt Ion: 75 Resp: 238539  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.2 39.2  
39 45.6 36.4 54.6





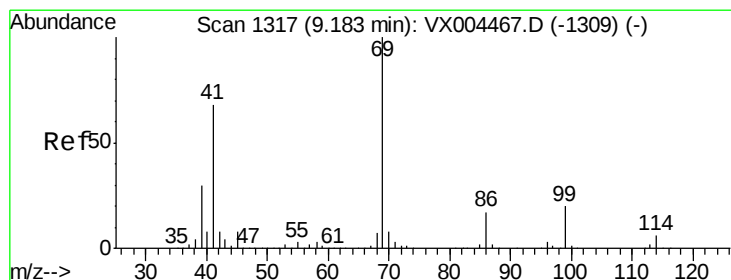
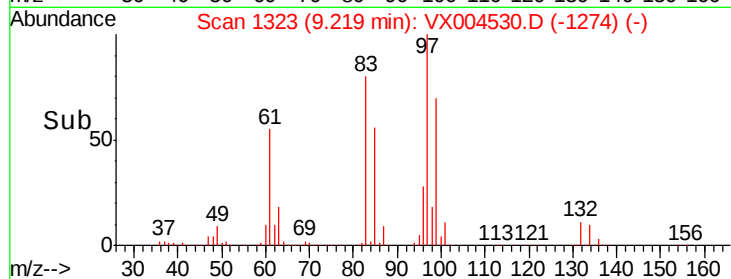
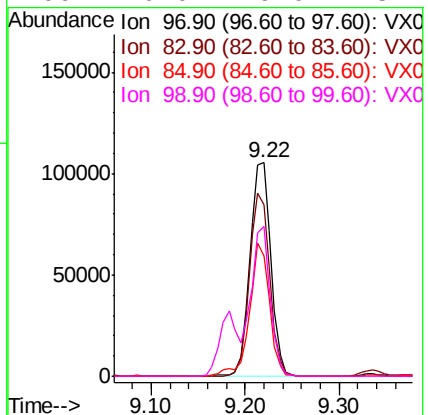
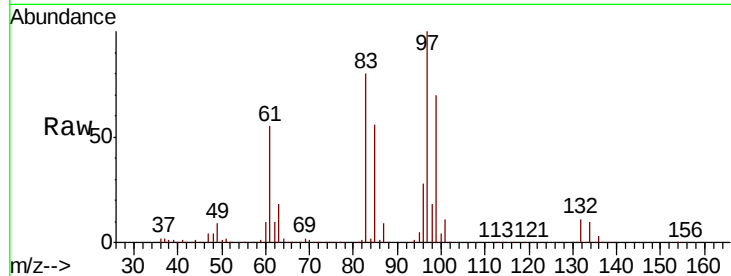
#55  
 1,1,2-Trichloroethane  
 Concen: 48.84 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 165004 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 80.4  | 66.4  | 99.6   |
| 85       | 56.5  | 43.3  | 64.9   |
| 99       | 70.0  | 49.0  | 73.4   |

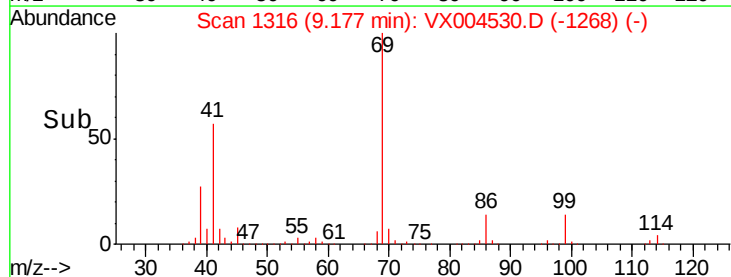
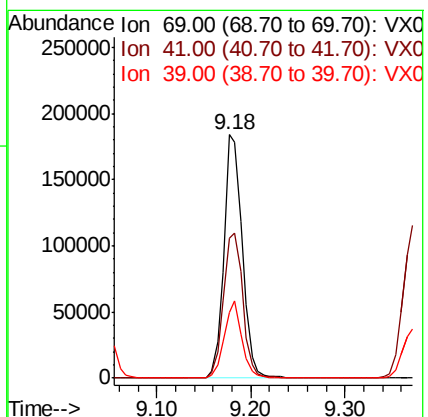
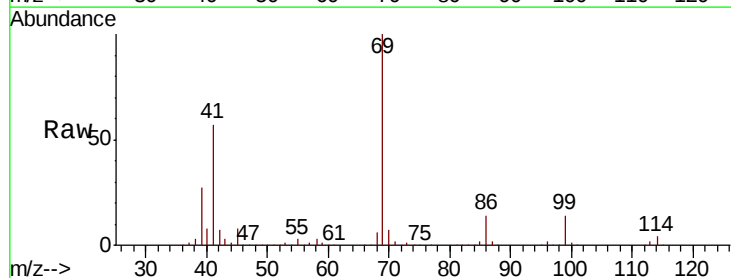
Manual Integrations  
 APPROVED

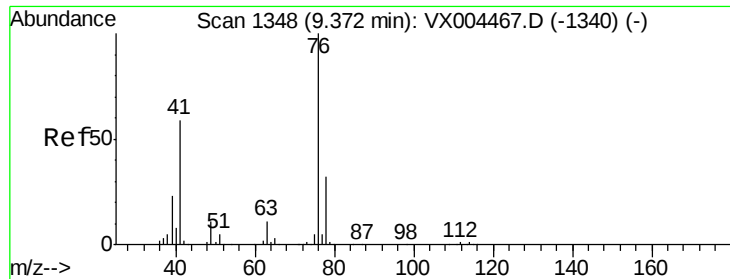
MMDadoda  
 9/17/2018 5:09:21 PM



#56  
 Ethyl methacrylate  
 Concen: 52.04 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 248678 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.8  | 51.0  | 76.4   |
| 39       | 30.1  | 26.1  | 39.1   |





#57

1,3-Dichloropropane

Concen: 51.00 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 279941

Ion Ratio Lower Upper

76 100

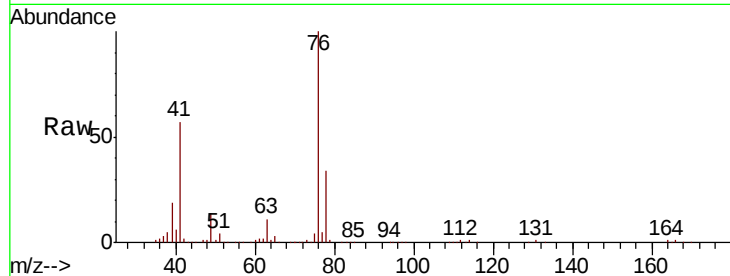
78 33.4 25.5 38.3

Manual Integrations

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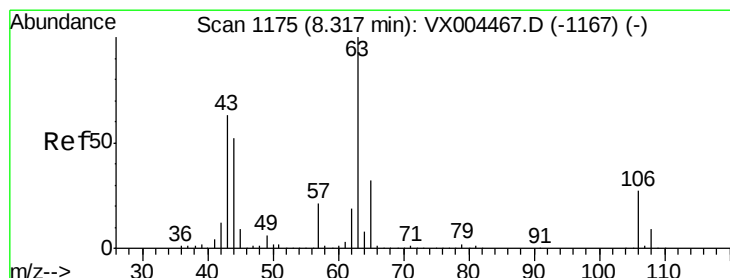
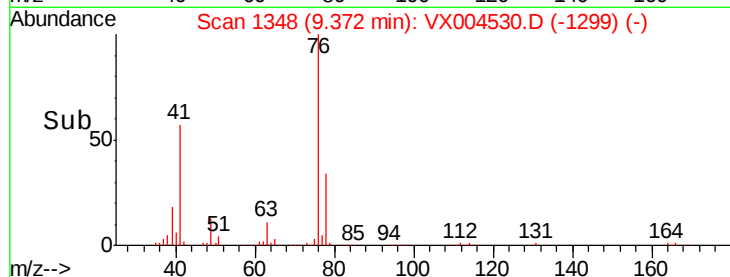
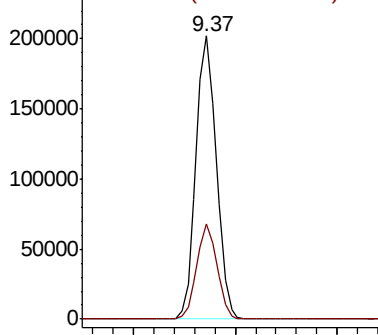
MMDadoda

9/17/2018 5:09:21 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 248.77 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004530.D

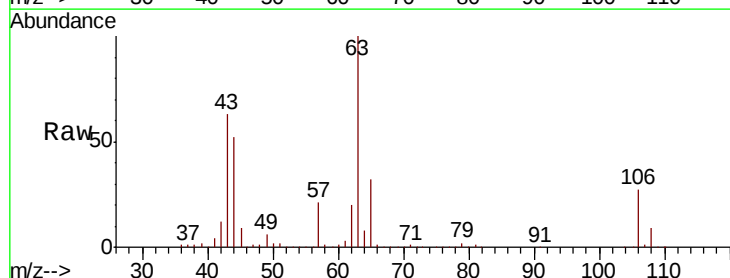
Acq: 14 Sep 2018 10:23

Tgt Ion: 63 Resp: 605646

Ion Ratio Lower Upper

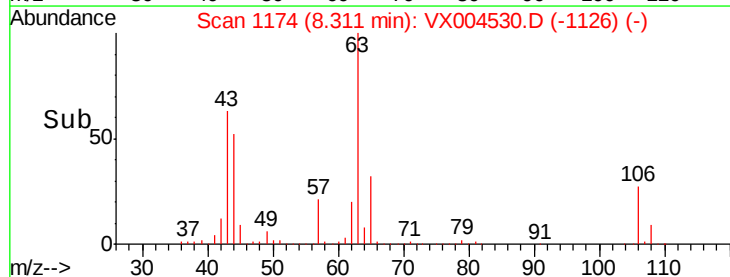
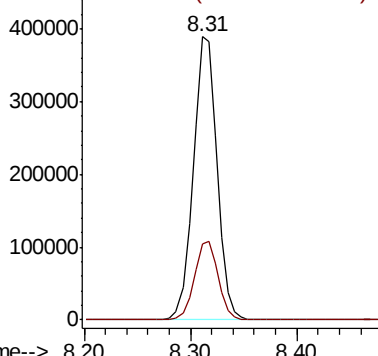
63 100

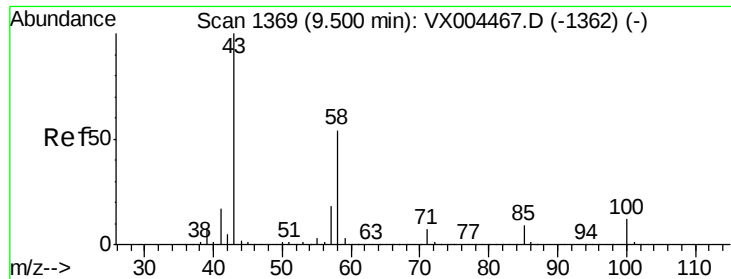
106 27.8 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





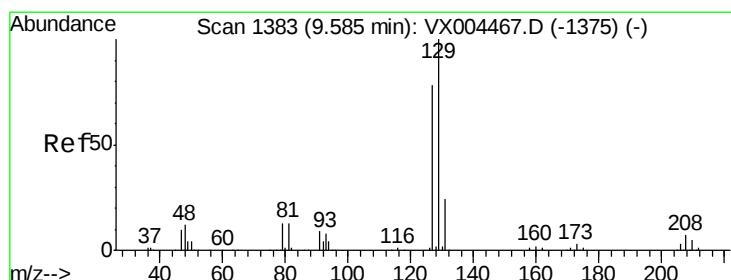
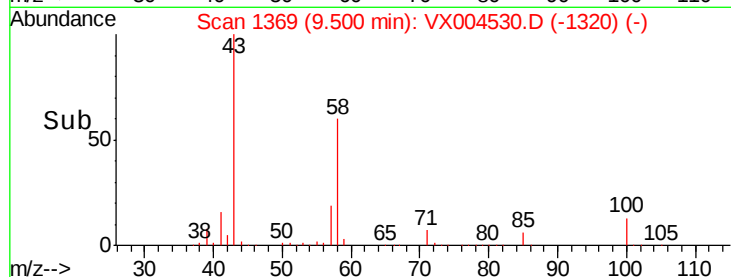
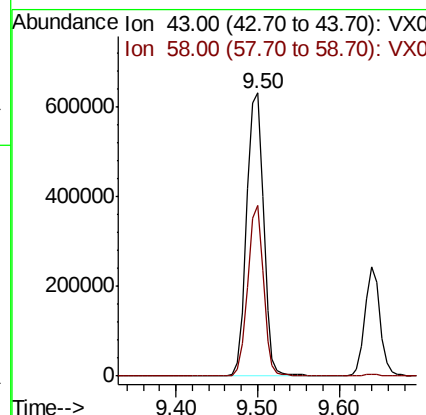
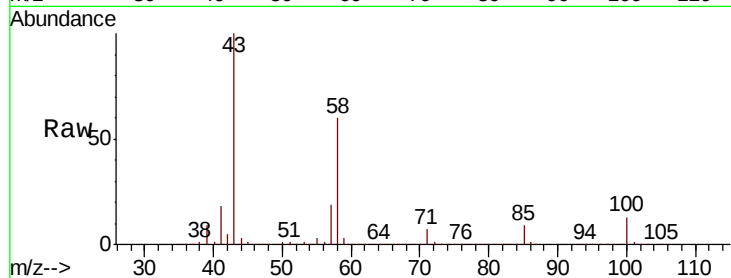
#59  
2-Hexanone  
Concen: 245.40 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 900586  
Ion Ratio Lower Upper  
43 100  
58 56.3 29.0 87.0

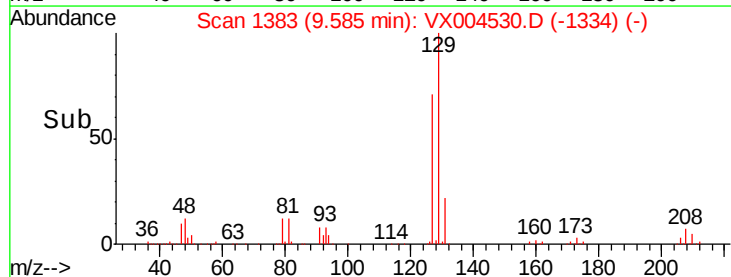
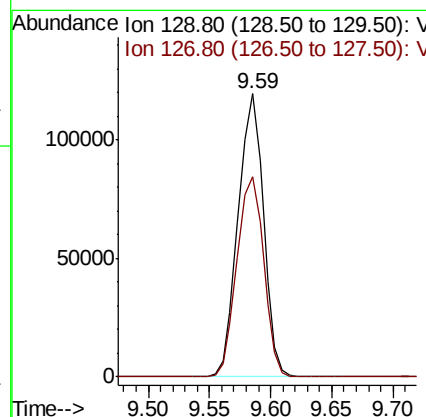
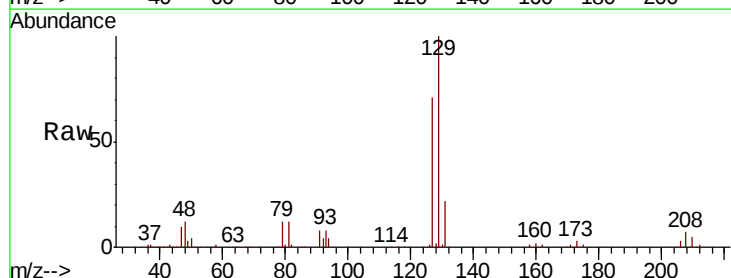
Manual Integrations  
APPROVED

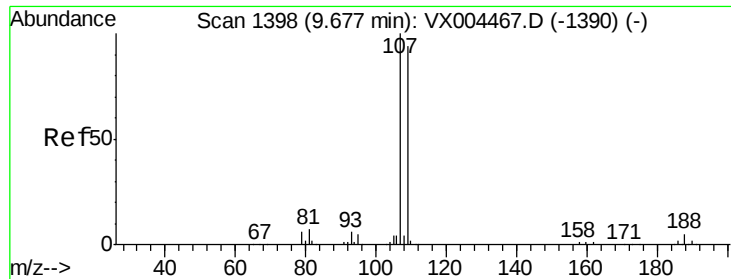
MMDadoda  
9/17/2018 5:09:21 PM



#60  
Dibromochloromethane  
Concen: 53.93 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Tgt Ion: 129 Resp: 171513  
Ion Ratio Lower Upper  
129 100  
127 74.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.55 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 166349

Ion Ratio Lower Upper

107 100

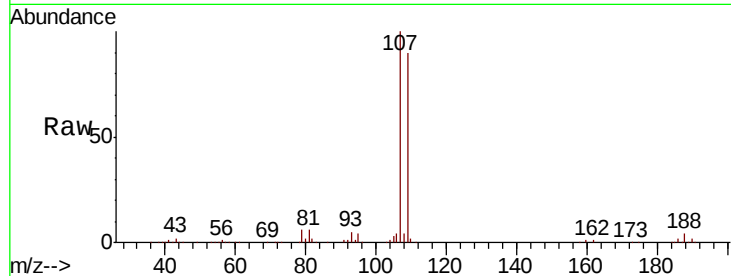
109 92.2 76.0 114.0

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

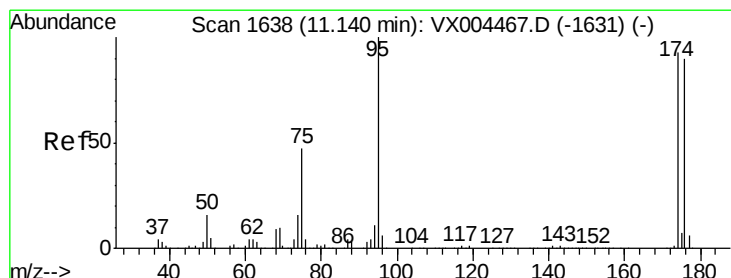
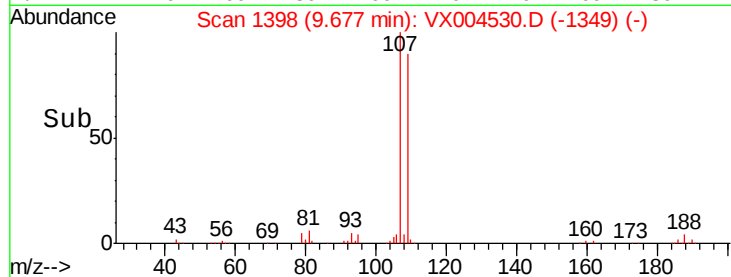
9.68

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.20 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

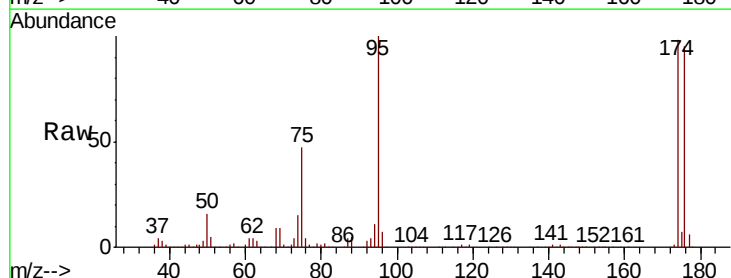
Tgt Ion: 95 Resp: 191154

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

176 90.9 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

200000

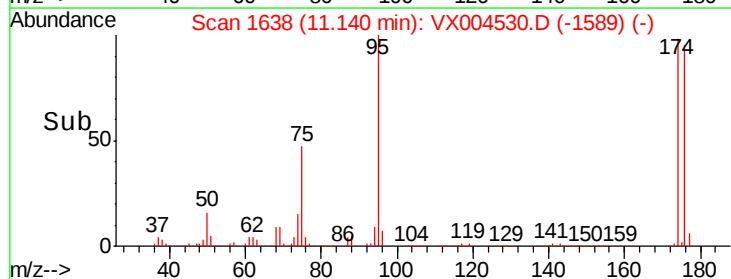
150000

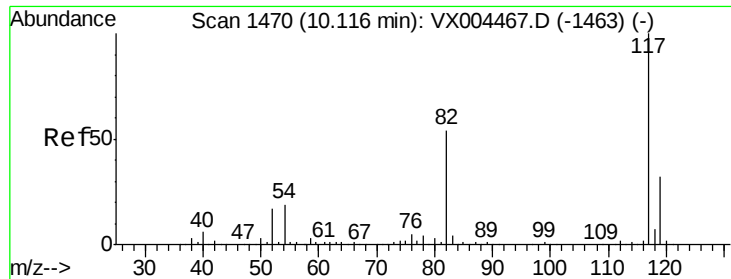
100000

50000

0

Time-->





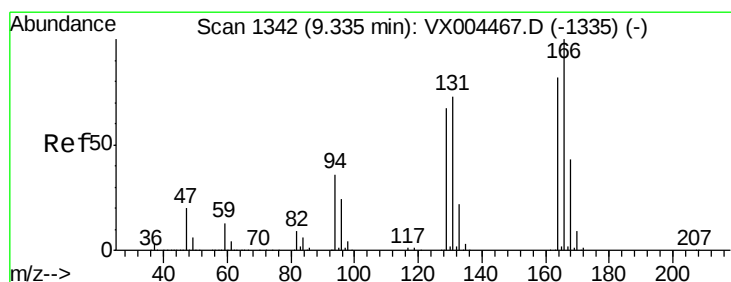
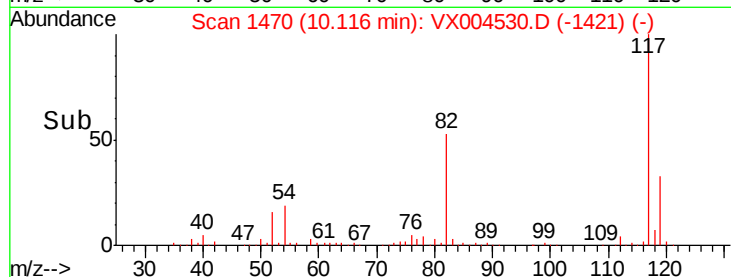
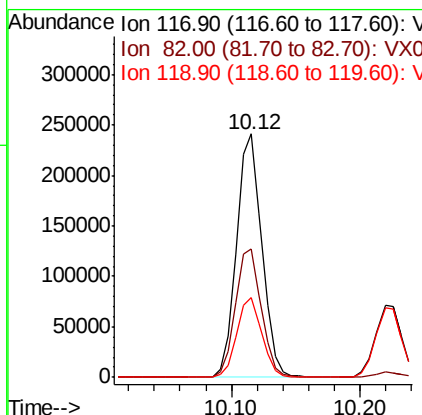
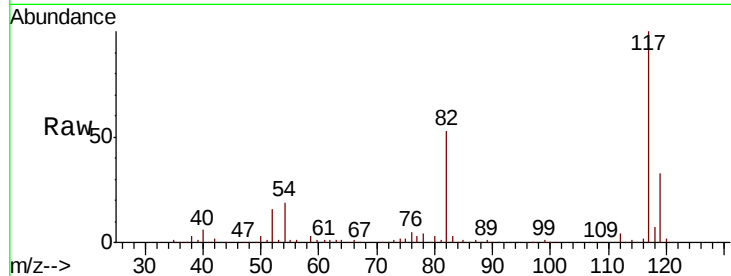
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.9  | 47.8  | 71.6  |
| 119     | 32.7  | 29.3  | 43.9  |

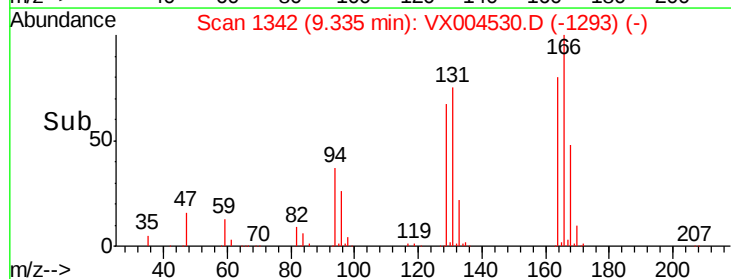
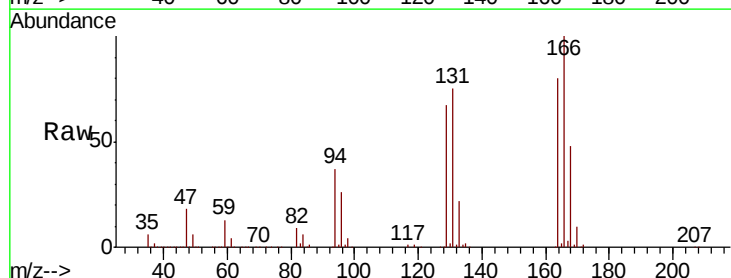
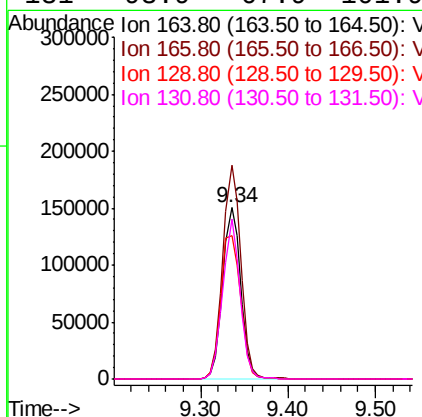
Manual Integrations  
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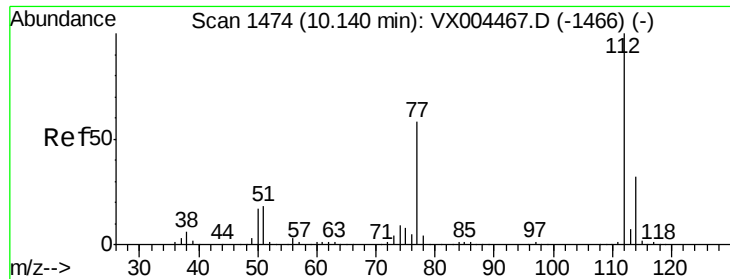
MMDadoda  
9/17/2018 5:09:21 PM



#64  
Tetrachloroethene  
Concen: 52.20 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.9 | 102.8 | 154.2 |
| 129     | 84.2  | 69.4  | 104.0 |
| 131     | 93.9  | 67.9  | 101.9 |





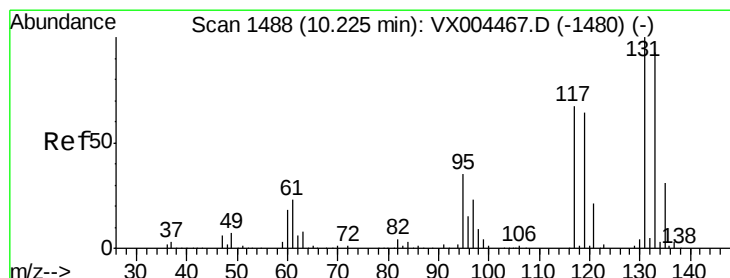
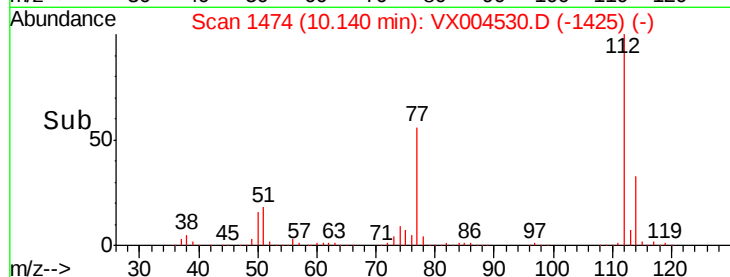
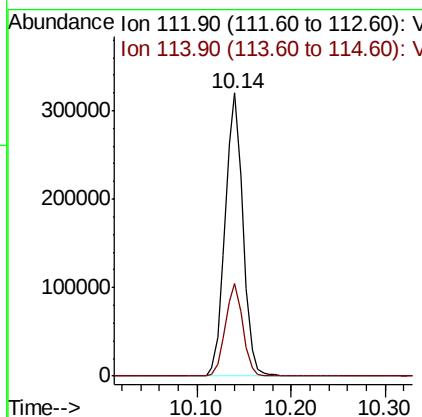
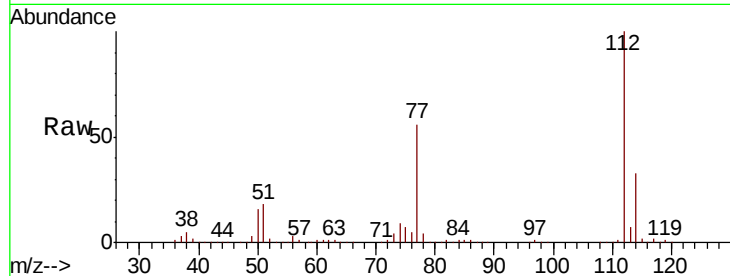
#65  
Chlorobenzene  
Concen: 51.10 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 418543  
Ion Ratio Lower Upper  
112 100  
114 32.6 27.8 41.8

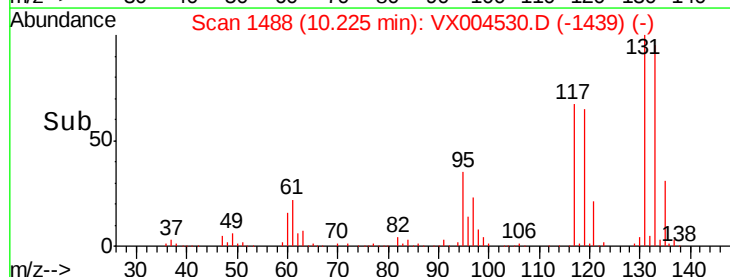
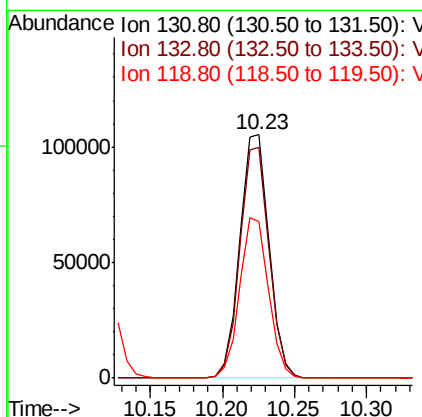
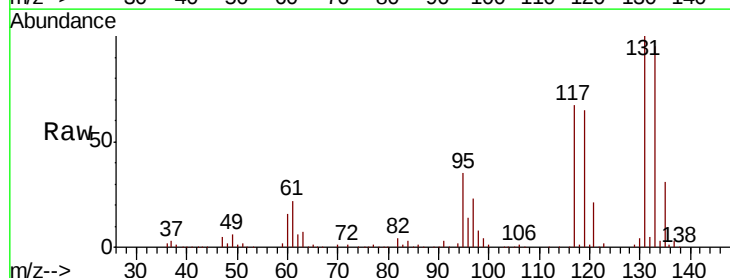
Manual Integrations  
APPROVED

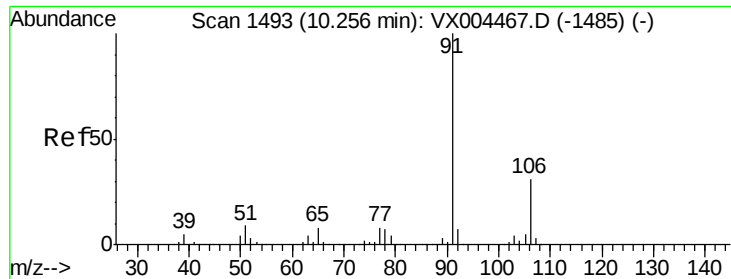
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.47 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Tgt Ion:131 Resp: 148223  
Ion Ratio Lower Upper  
131 100  
133 94.7 48.1 144.4  
119 65.2 32.9 98.6





#67

Ethyl Benzene

Concen: 53.86 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 717407

Ion Ratio Lower Upper

91 100

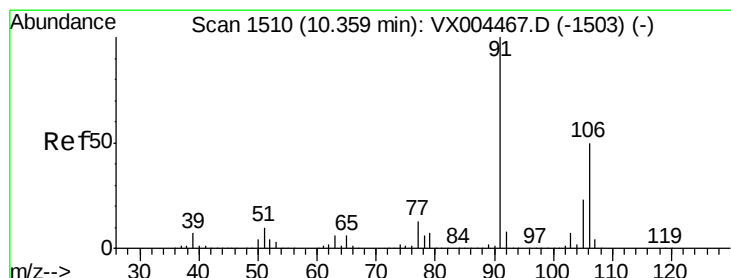
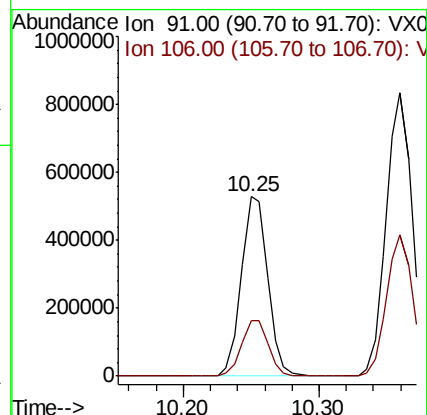
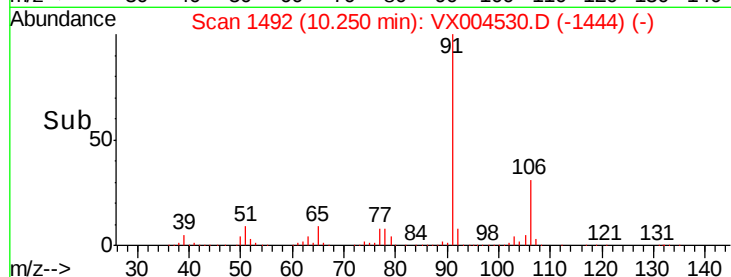
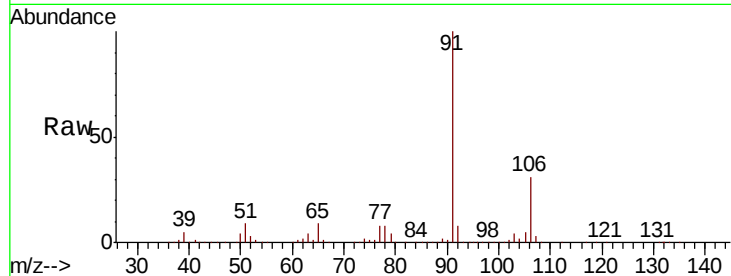
106 30.9 25.9 38.9

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 109.51 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004530.D

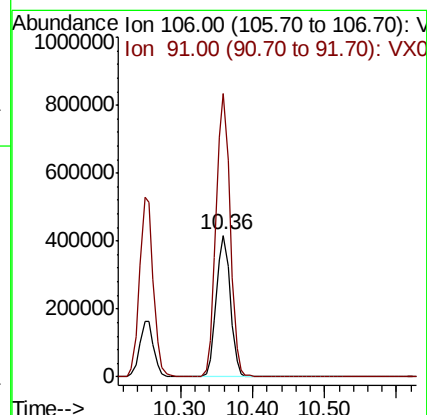
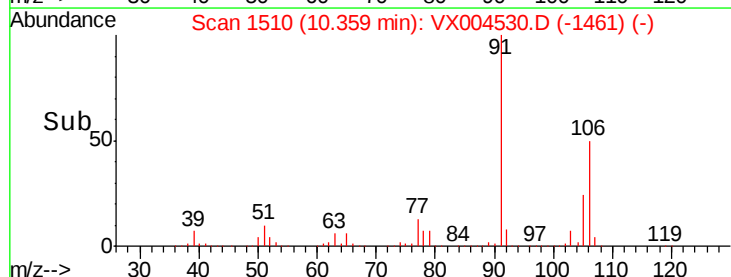
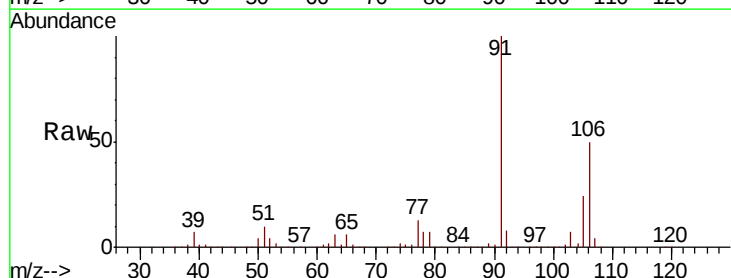
Acq: 14 Sep 2018 10:23

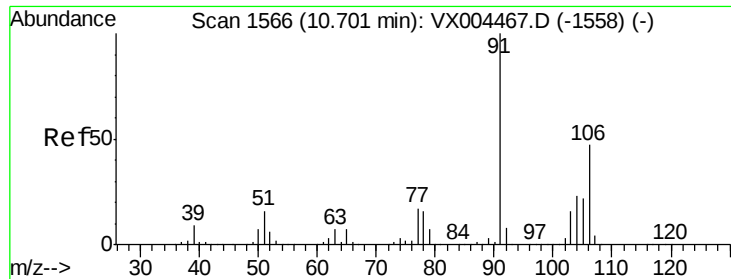
Tgt Ion: 106 Resp: 561849

Ion Ratio Lower Upper

106 100

91 200.7 157.1 235.7





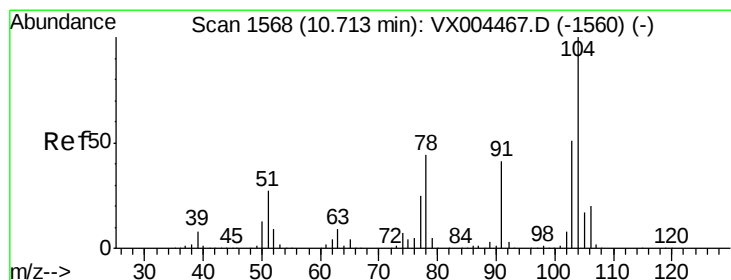
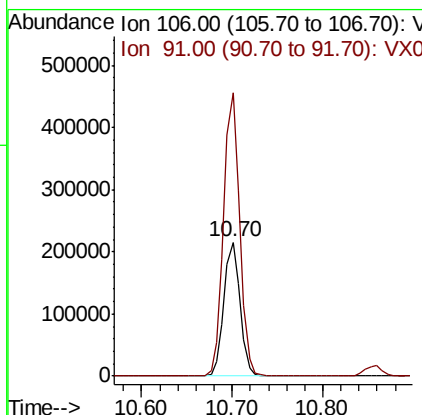
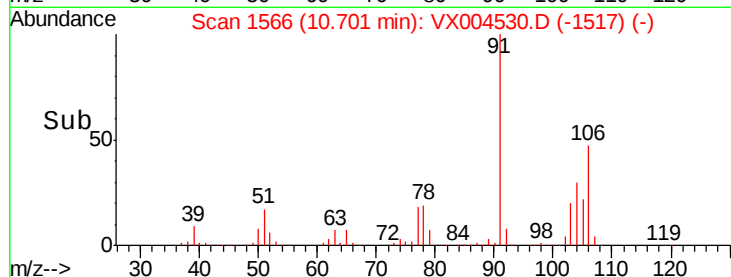
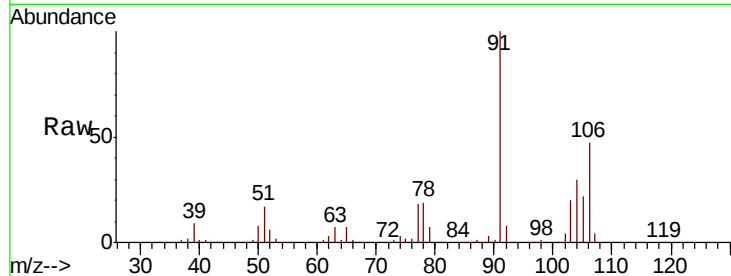
#69  
o-Xylene  
Concen: 54.67 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 269645  
Ion Ratio Lower Upper  
106 100  
91 210.4 105.1 315.1

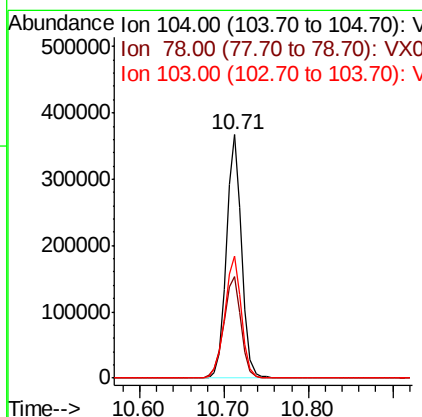
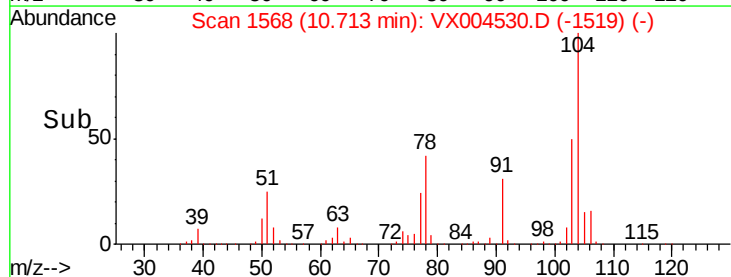
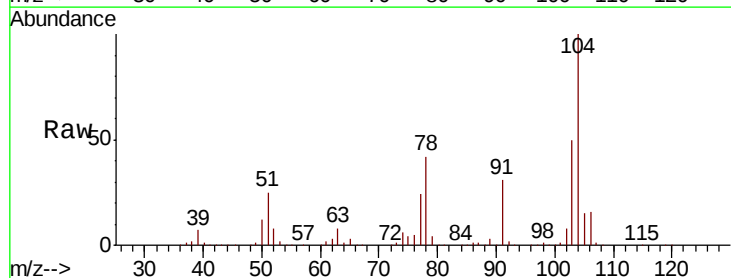
Manual Integrations  
APPROVED

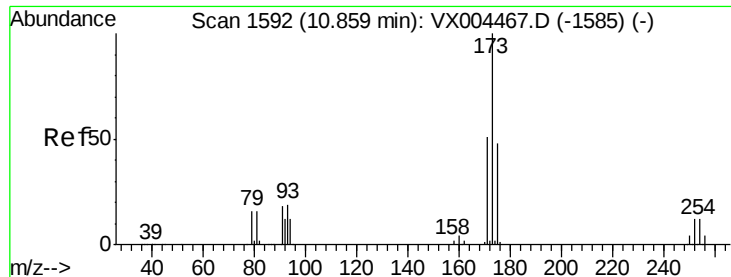
MMDadoda  
9/17/2018 5:09:21 PM



#70  
Styrene  
Concen: 55.90 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Tgt Ion:104 Resp: 456832  
Ion Ratio Lower Upper  
104 100  
78 47.6 37.4 56.0  
103 55.1 43.8 65.6





#71

Bromoform

Concen: 51.47 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 119372

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.3

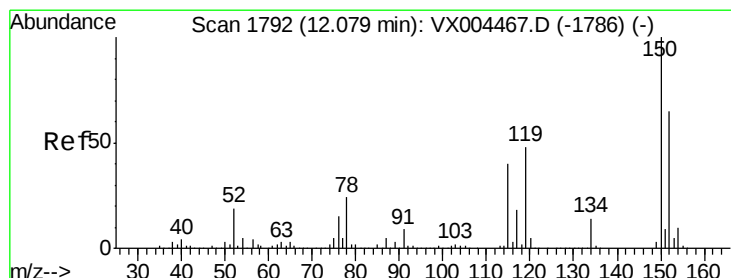
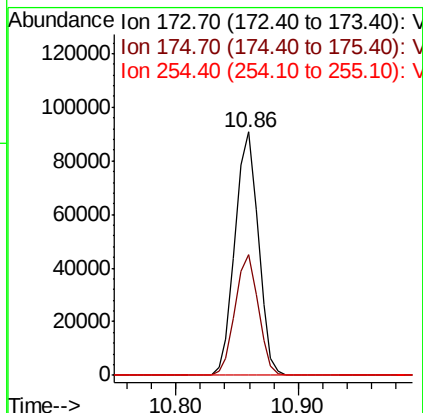
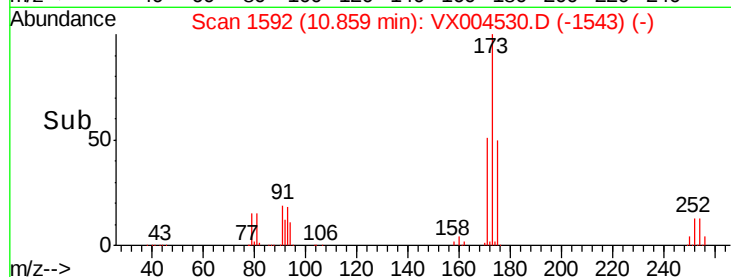
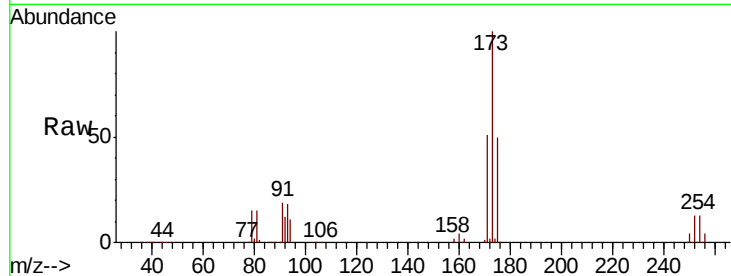
254 0.1 0.2 0.2#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

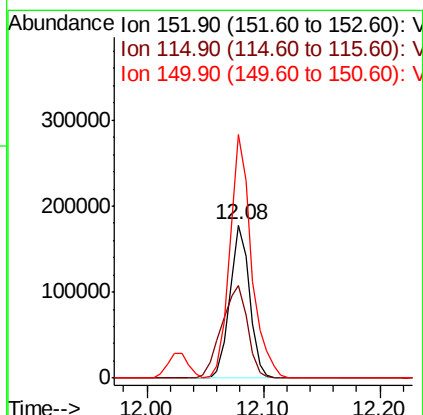
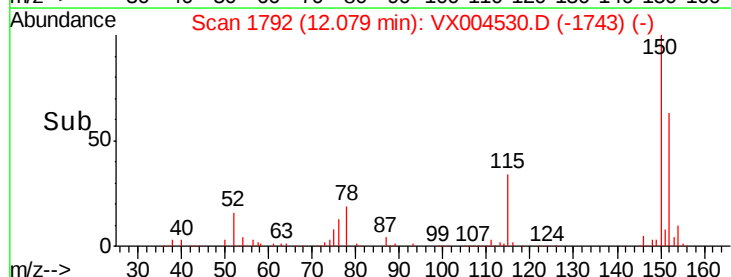
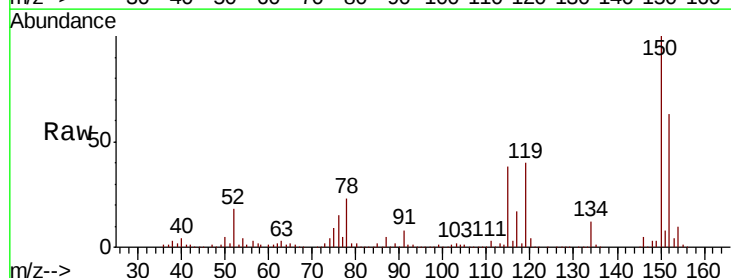
Tgt Ion:152 Resp: 208356

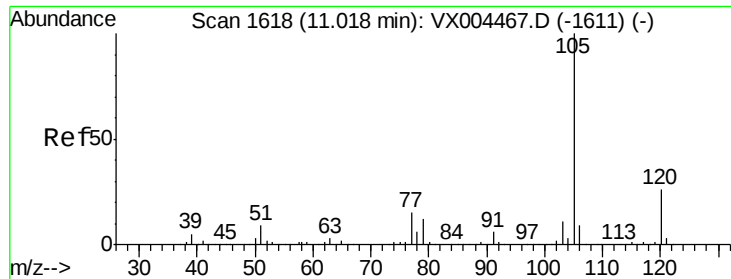
Ion Ratio Lower Upper

152 100

115 79.2 39.0 117.0

150 175.3 0.0 351.0





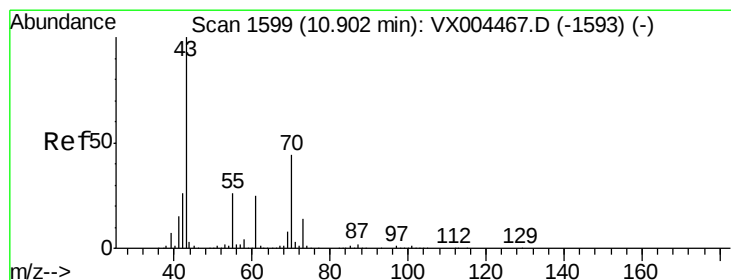
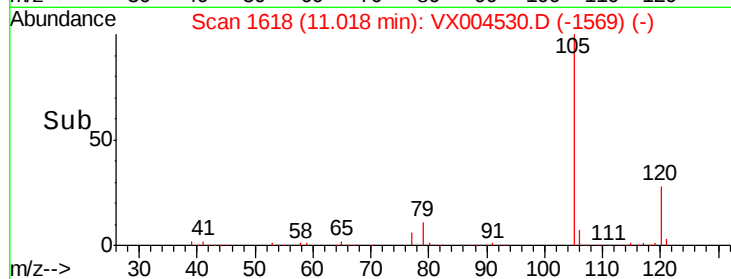
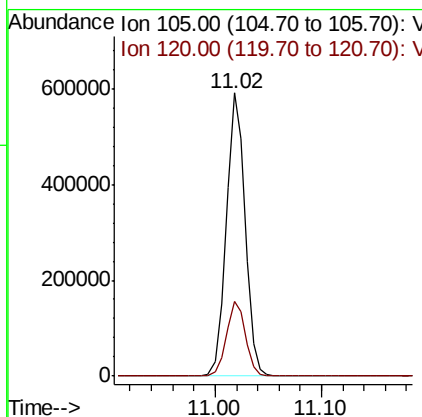
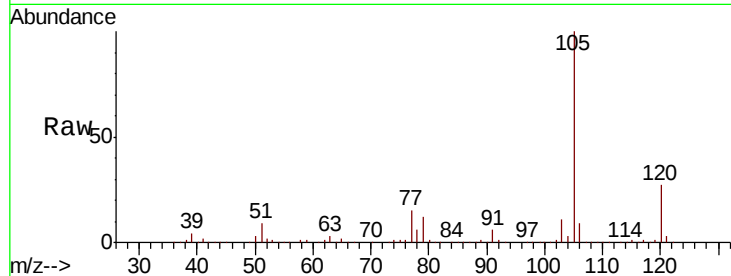
#73  
Isopropylbenzene  
Concen: 53.30 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.8  | 13.5  | 40.4  |

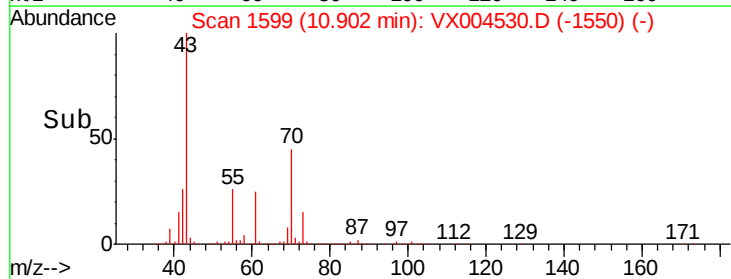
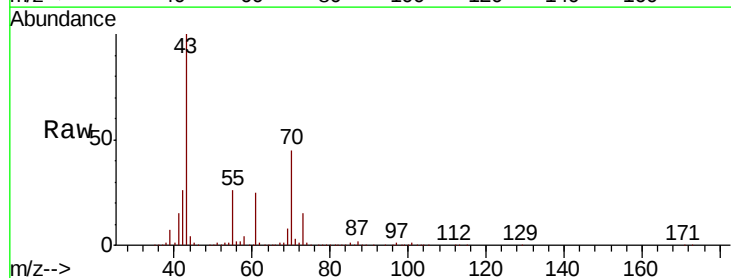
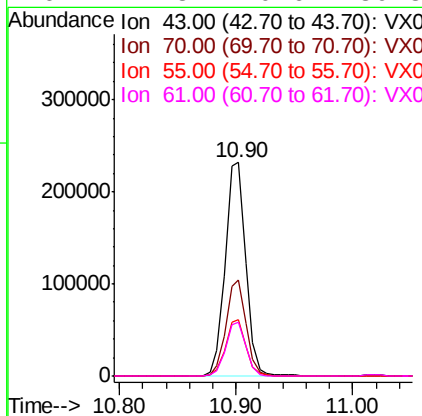
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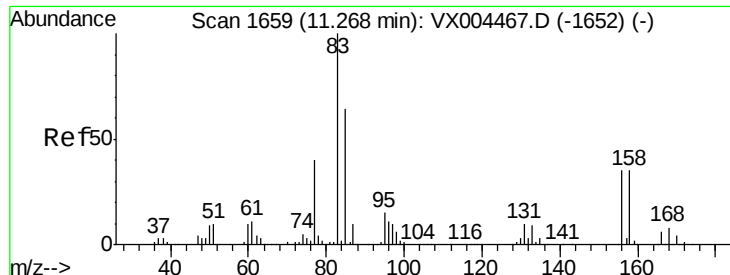
MMDadoda  
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#74  
N-ethyl acetate  
Concen: 49.05 ug/l  
RT: 10.90 min Scan# 1599  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 44.0  | 37.4  | 56.0  |
| 55      | 26.3  | 21.8  | 32.8  |
| 61      | 24.8  | 20.6  | 30.8  |





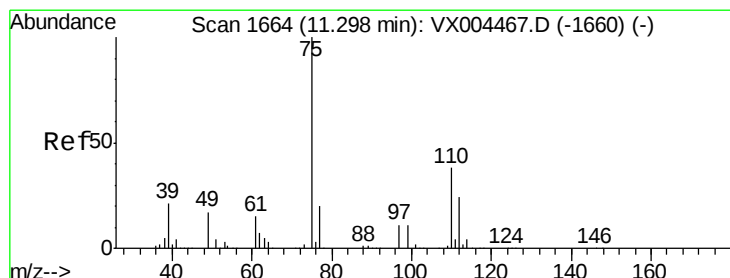
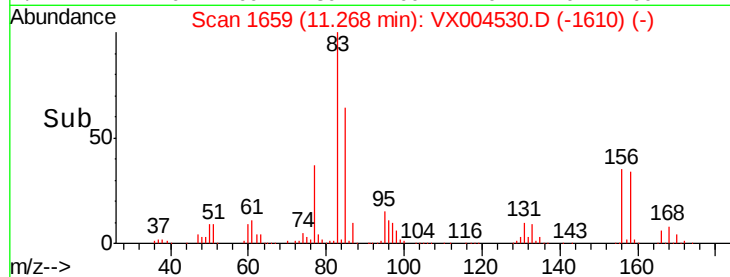
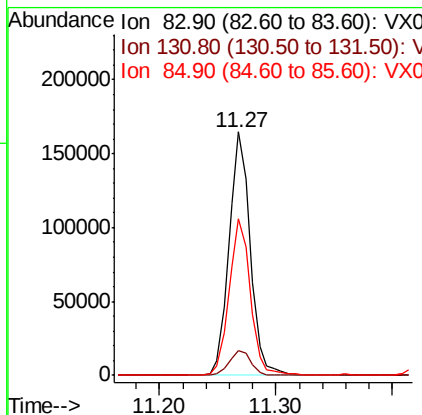
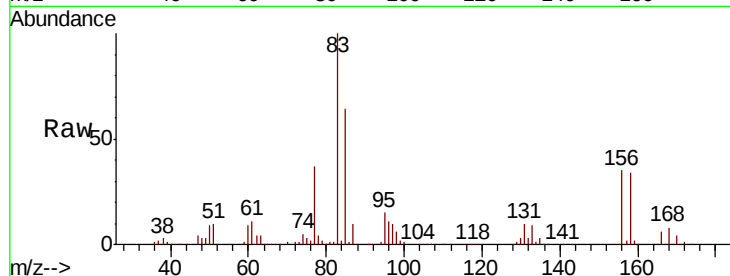
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 46.99 ug/l  
 RT: 11.27 min Scan# 1659  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 10.4  | 5.2  | 15.6  |       |
| 85      | 64.6  | 32.3 | 96.8  |       |

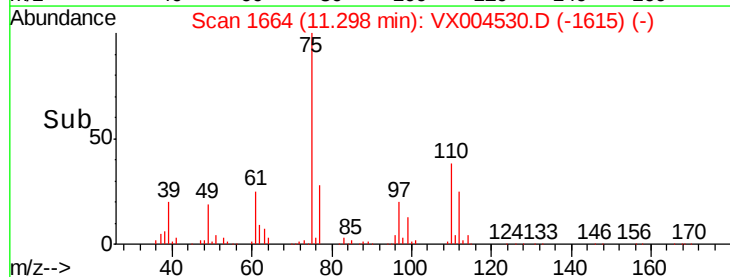
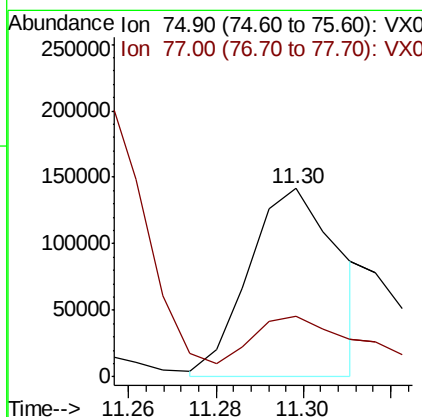
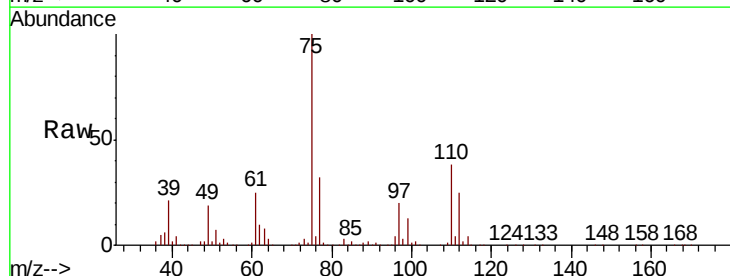
Manual Integrations  
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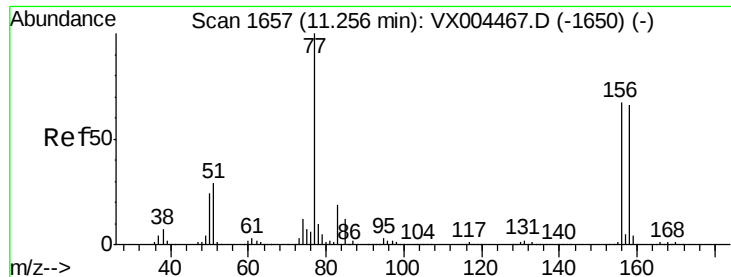
MMDadoda  
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#76  
 1,2,3-Trichloropropane  
 Concen: 48.09 ug/l m  
 RT: 11.30 min Scan# 1664  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 77      | 40.9  | 20.2 | 60.6  |       |





#77

Bromobenzene

Concen: 50.73 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

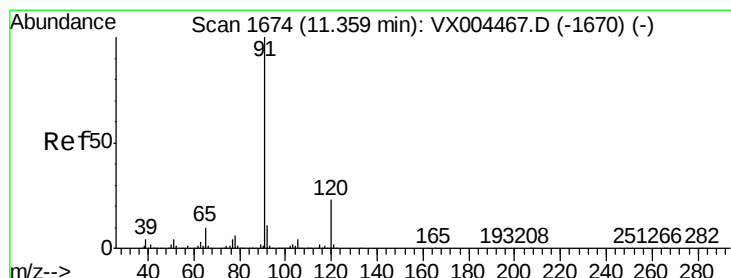
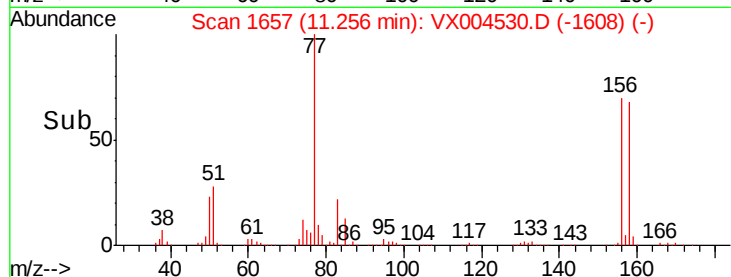
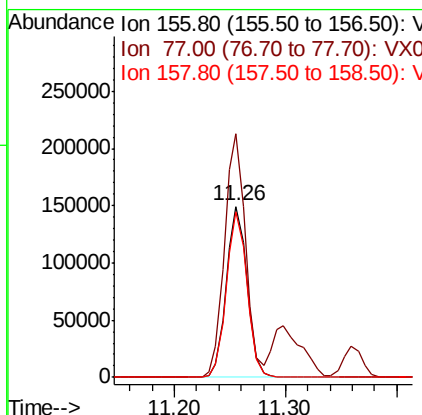
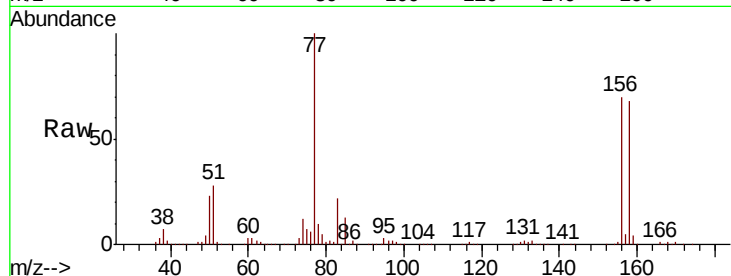
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 192401 |       |       |
| 77      | 144.5 | 71.5  | 214.3  |       |       |
| 158     | 96.7  | 48.9  | 146.8  |       |       |

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#78

n-propylbenzene

Concen: 54.21 ug/l

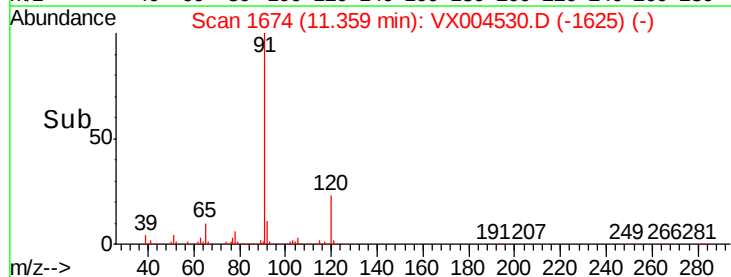
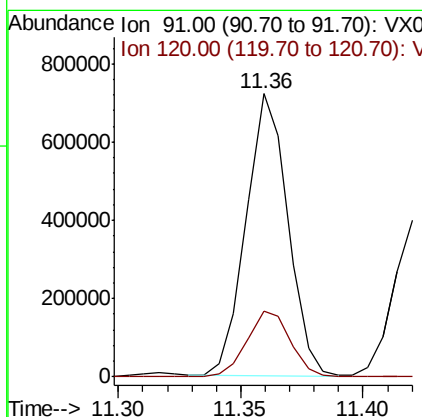
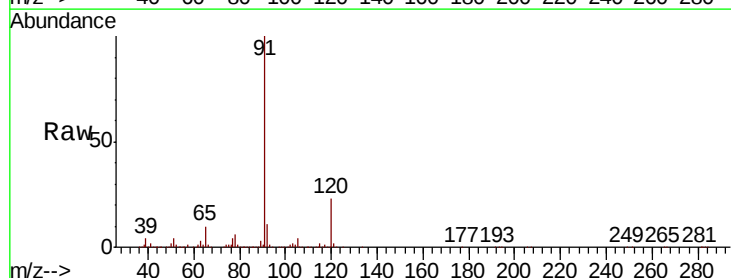
RT: 11.36 min Scan# 1674

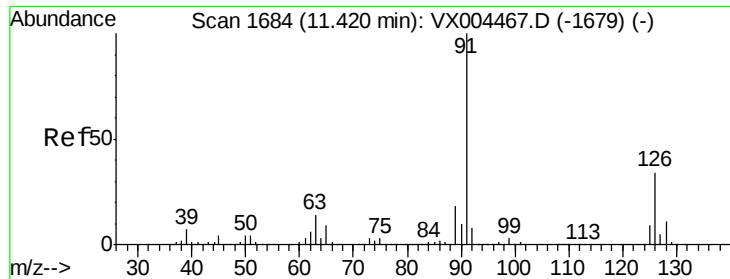
Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 855372 |       |       |
| 120     | 24.1 | 11.9  | 35.9   |       |       |





#79

2-Chlorotoluene

Concen: 51.49 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 492740

Ion Ratio Lower Upper

91 100

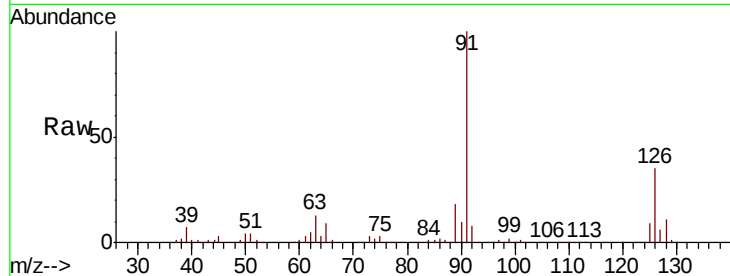
126 35.6 17.9 53.7

Manual Integrations

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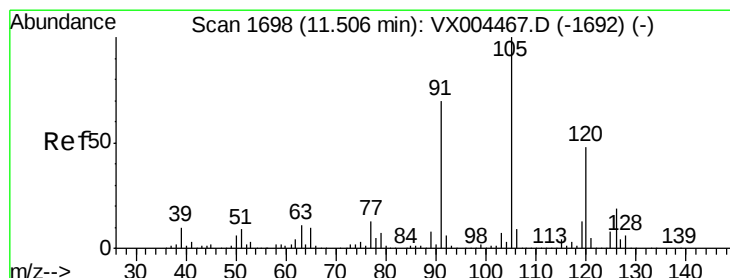
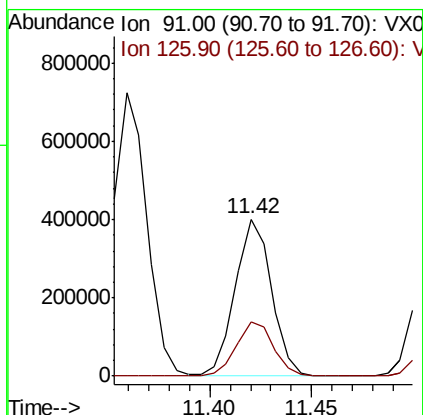
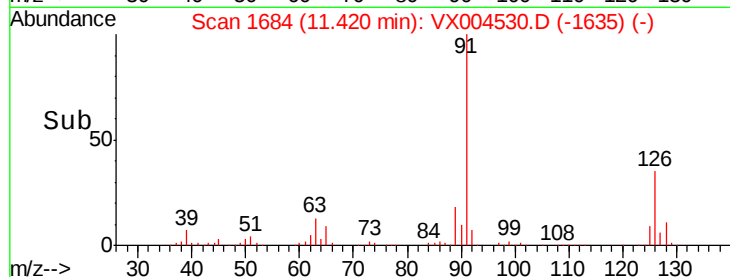
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 54.10 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004530.D

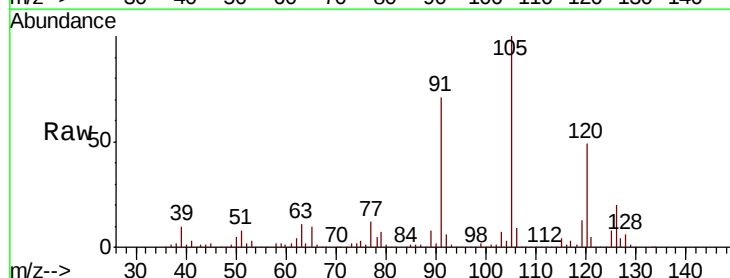
Acq: 14 Sep 2018 10:23

Tgt Ion:105 Resp: 624024

Ion Ratio Lower Upper

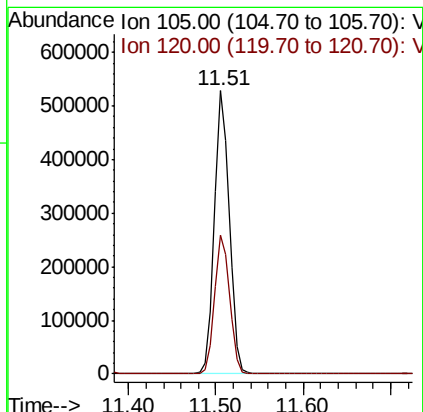
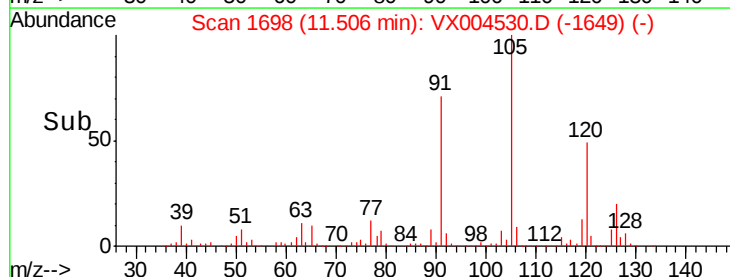
105 100

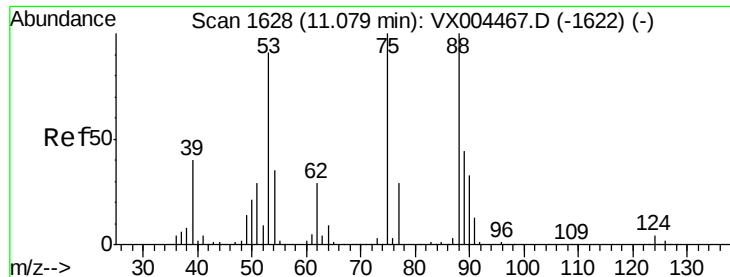
120 49.5 25.6 76.8



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: 52.73 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 69348

Ion Ratio Lower Upper

75 100

53 93.5 80.1 120.1

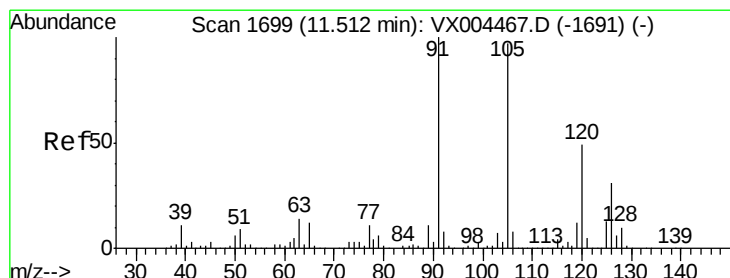
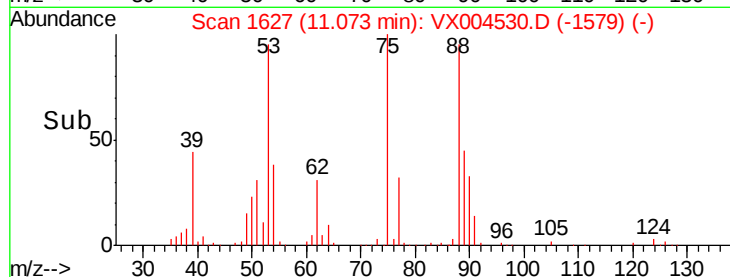
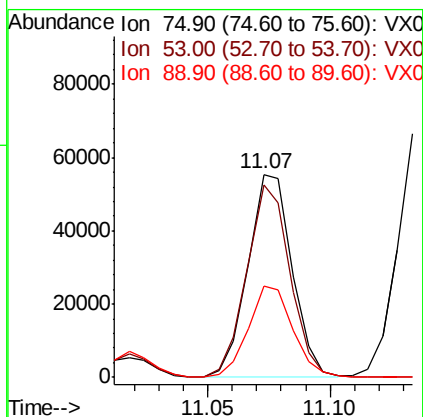
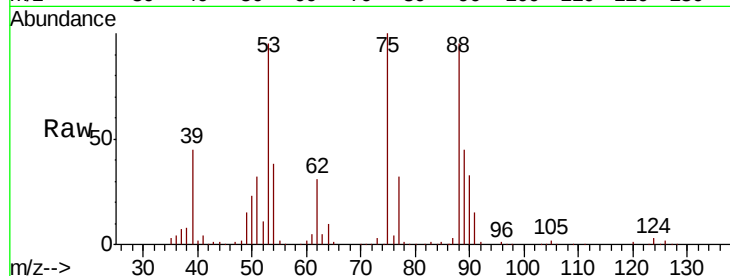
89 45.6 37.2 55.8

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#82

4-Chlorotoluene

Concen: 52.40 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004530.D

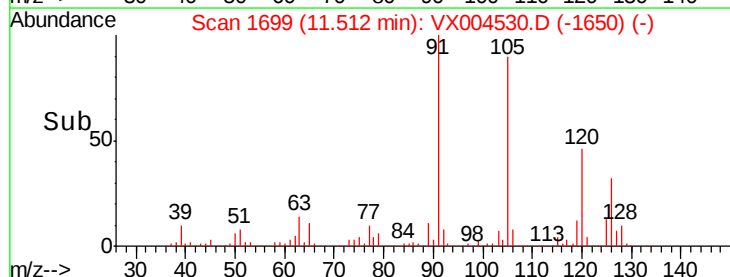
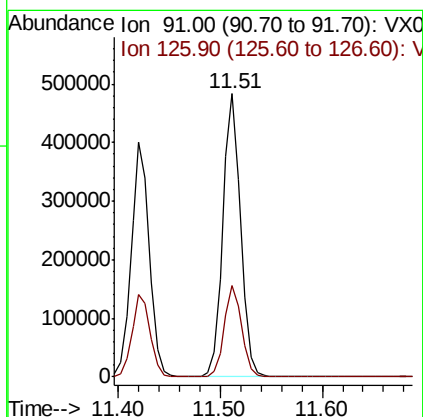
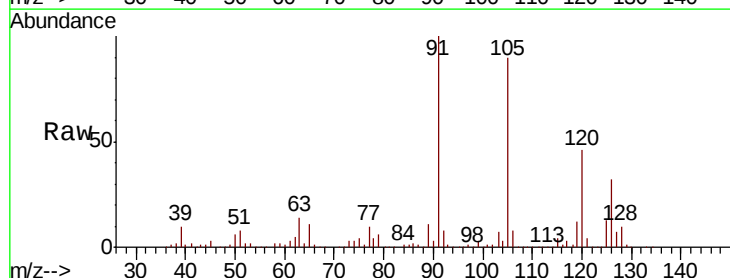
Acq: 14 Sep 2018 10:23

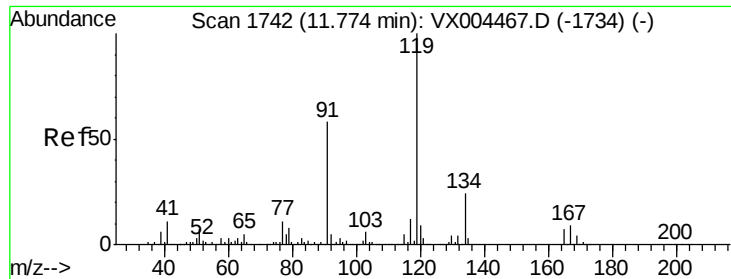
Tgt Ion: 91 Resp: 585236

Ion Ratio Lower Upper

91 100

126 31.6 15.5 46.5





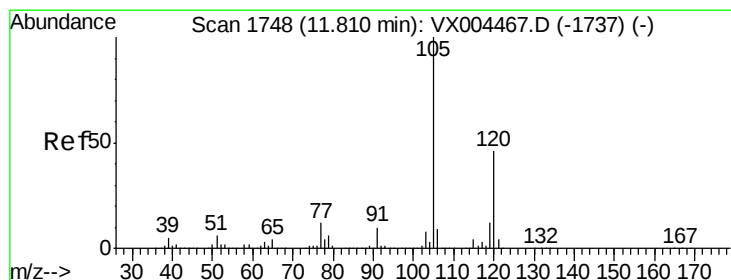
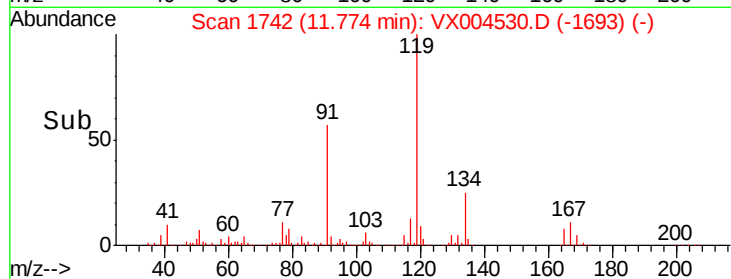
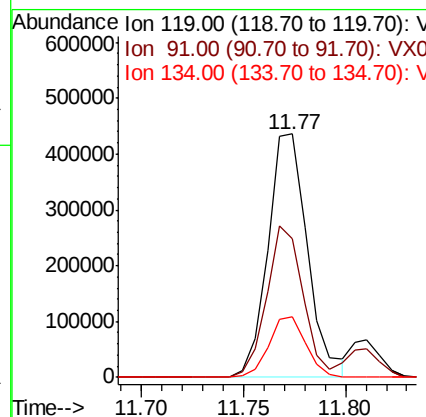
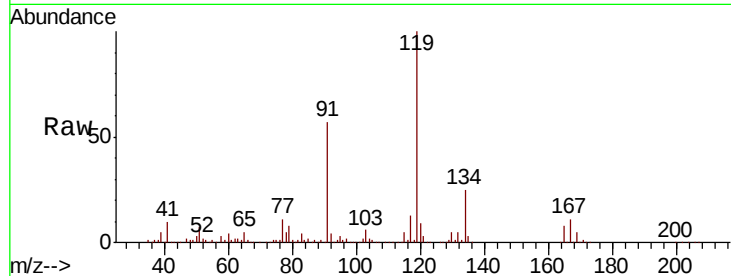
#83  
 tert-Butylbenzene  
 Concen: 53.84 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 591314 |       |       |
| 91      | 56.9  | 27.0   | 81.0  |       |
| 134     | 23.4  | 11.7   | 35.1  |       |

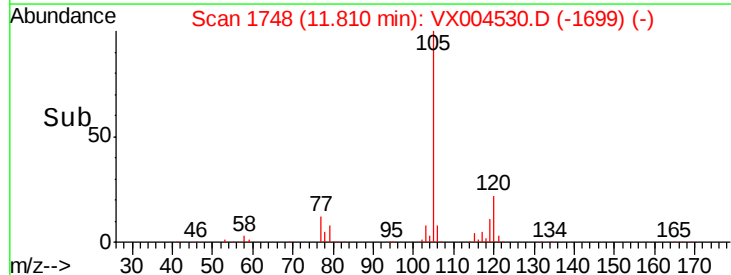
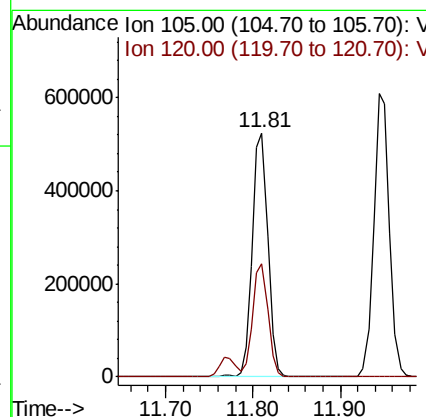
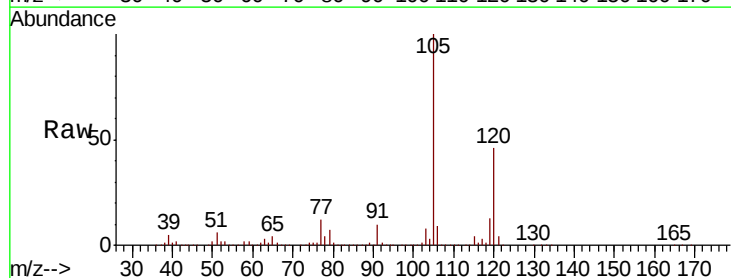
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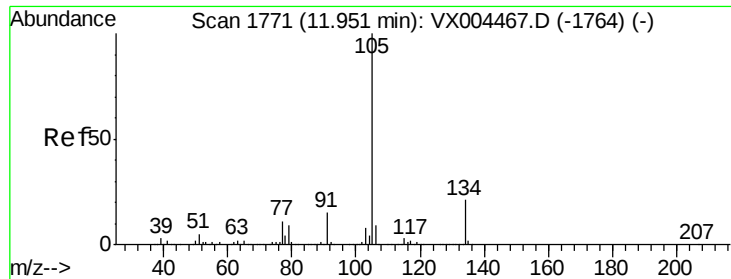
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.62 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 643308 |       |       |
| 120     | 45.6  | 23.2   | 69.6  |       |





#85

sec-Butylbenzene

Concen: 54.36 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 760765

Ion Ratio Lower Upper

105 100

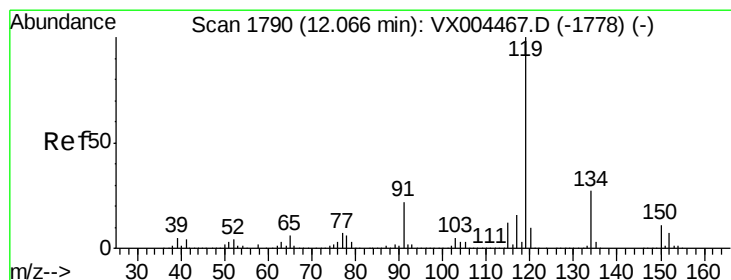
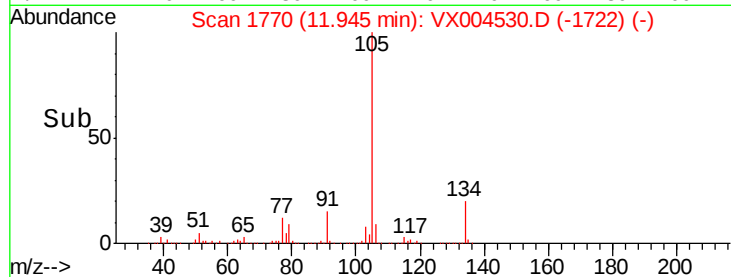
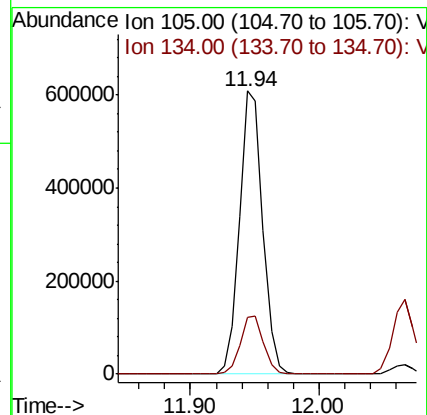
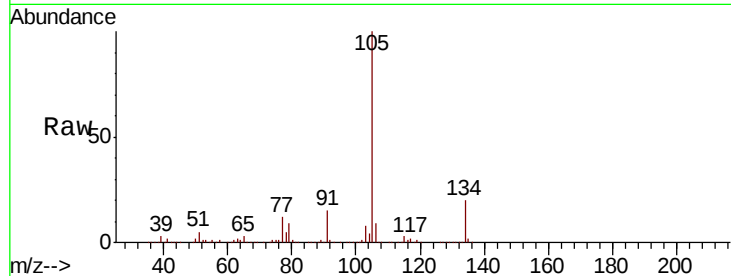
134 20.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 55.92 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

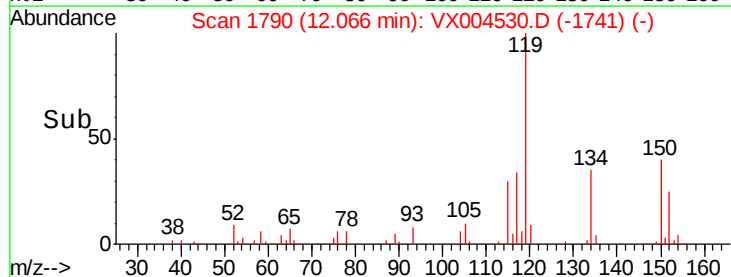
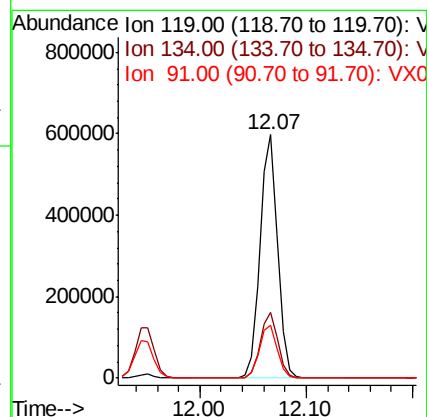
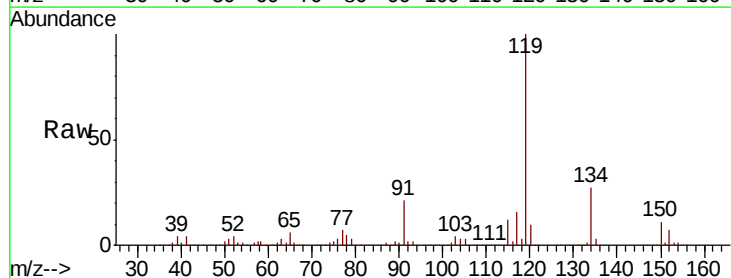
Tgt Ion:119 Resp: 691118

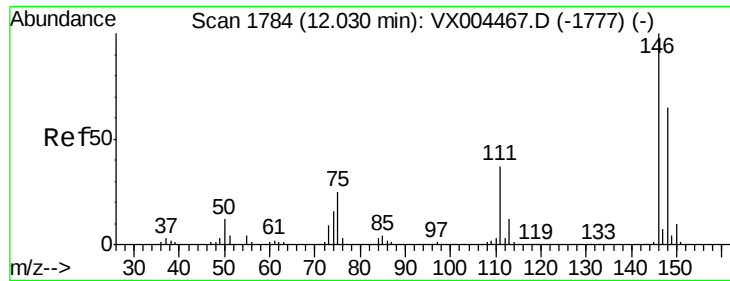
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.0 10.9 32.7





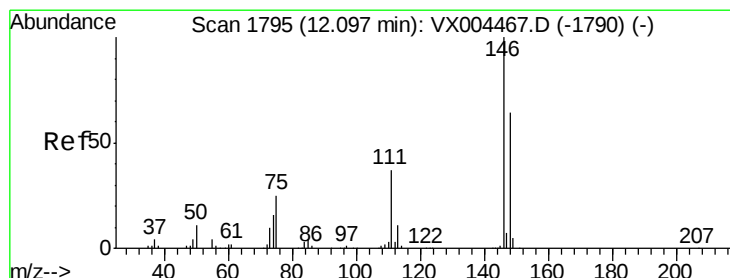
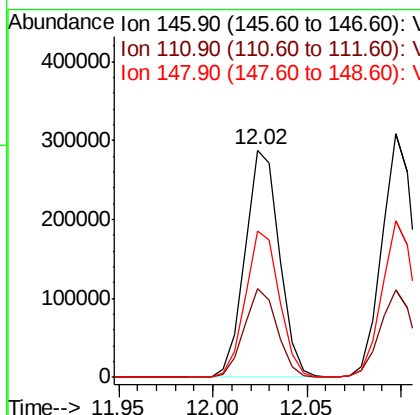
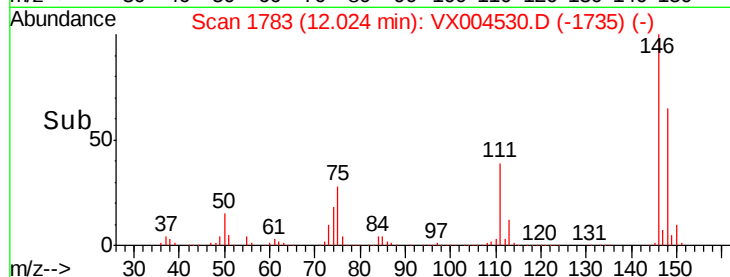
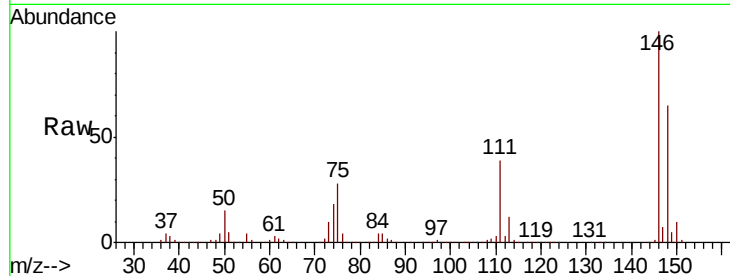
#87  
 1,3-Dichlorobenzene  
 Concen: 51.38 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.01 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.7  | 56.1  |
| 148     | 64.1  | 32.1  | 96.5  |

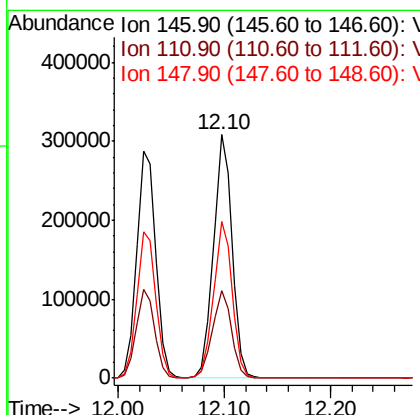
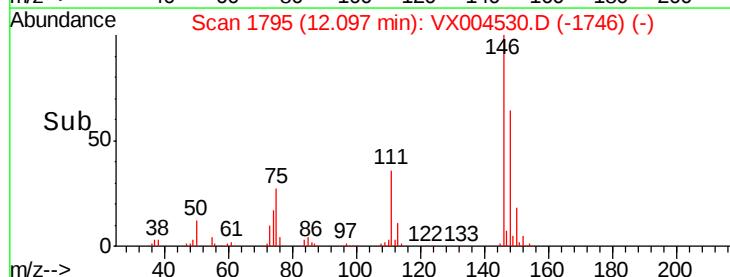
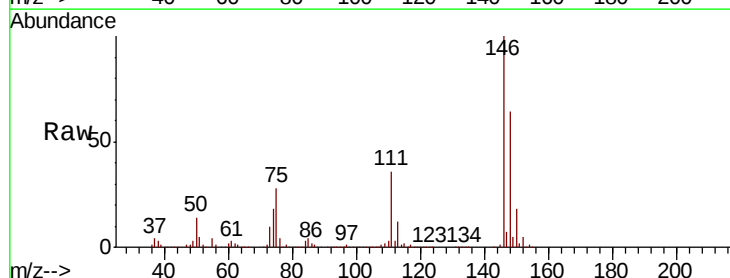
Manual Integrations  
 APPROVED

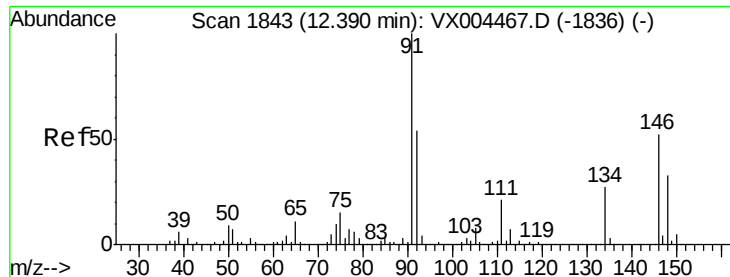
MMDadoda  
 9/17/2018 5:09:21 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.49 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.1  | 54.1  |
| 148     | 64.4  | 32.0  | 96.0  |





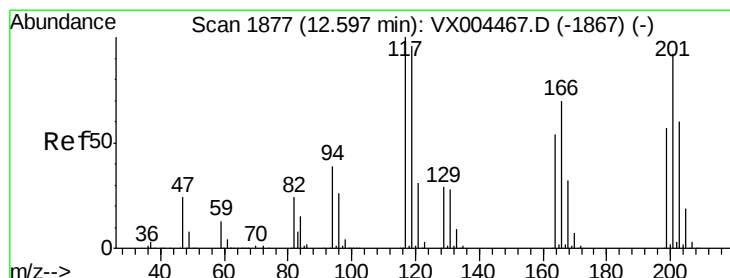
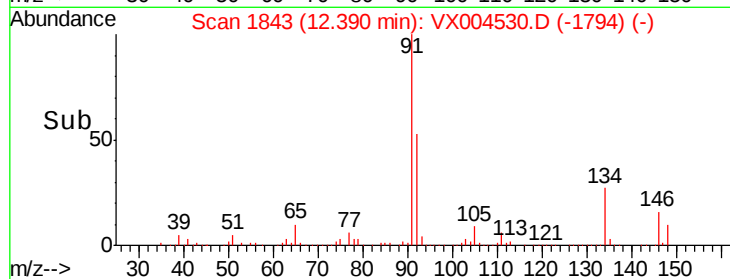
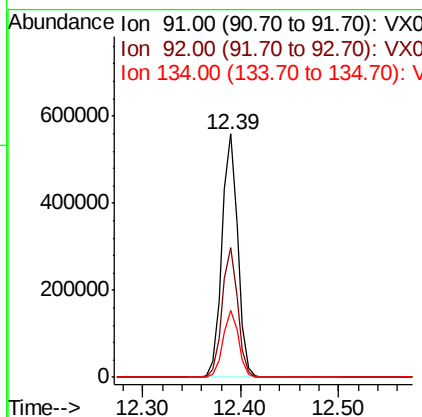
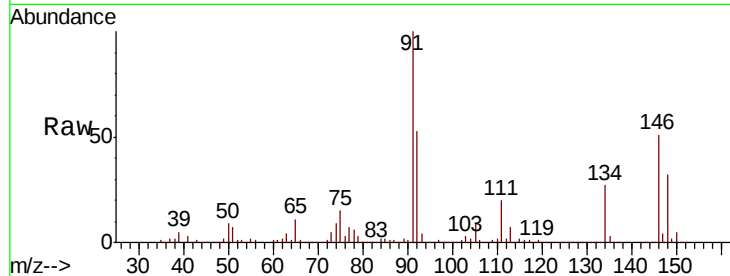
#89  
n-Butylbenzene  
Concen: 55.51 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 27.3  | 81.9  |
| 134     | 27.1  | 13.6  | 40.7  |

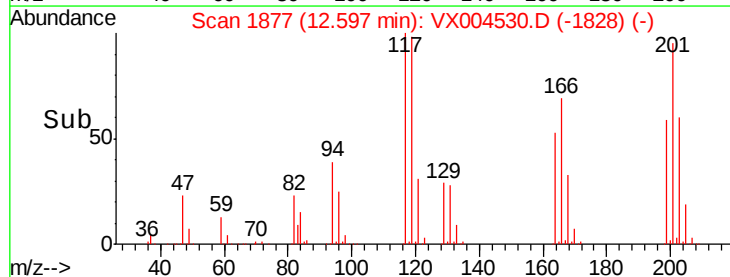
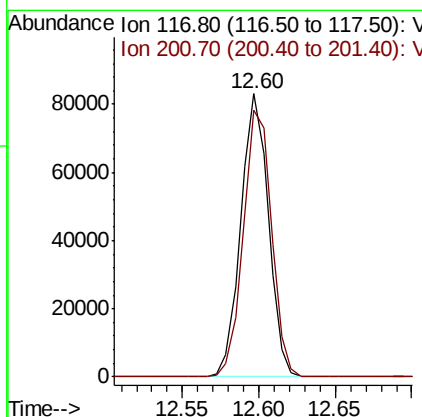
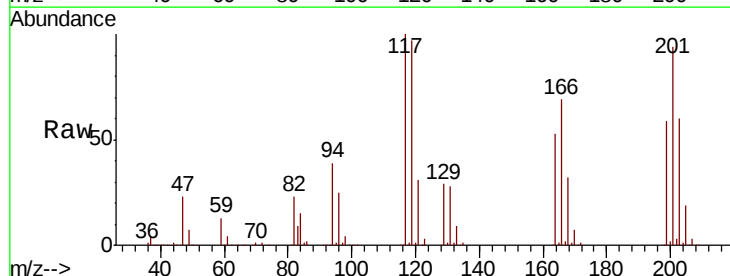
Manual Integrations  
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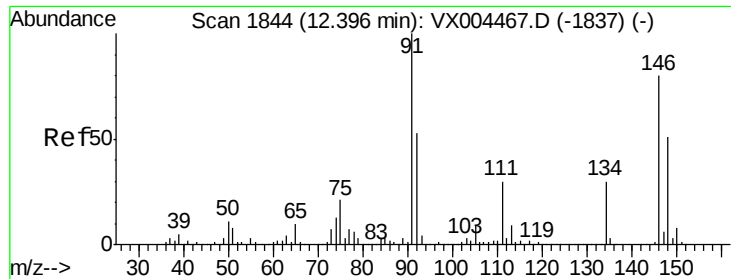
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#90  
Hexachloroethane  
Concen: 52.47 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX004530.D  
Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 96.7  | 46.9  | 140.6 |





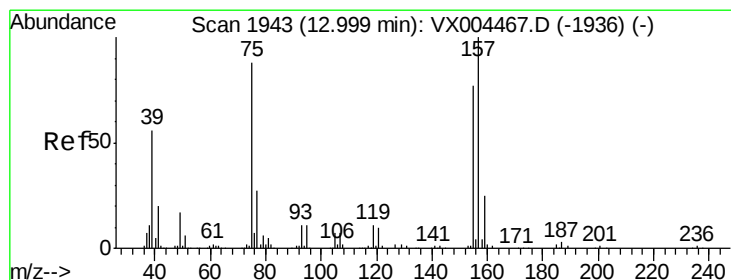
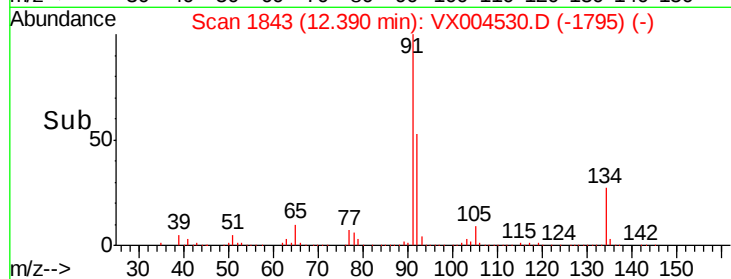
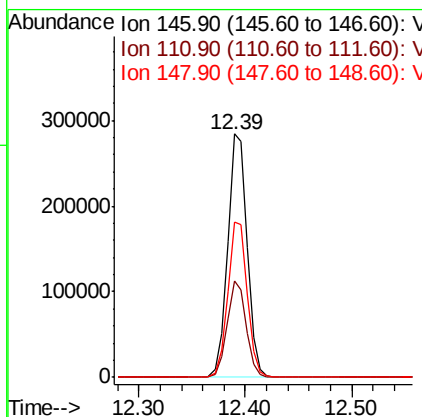
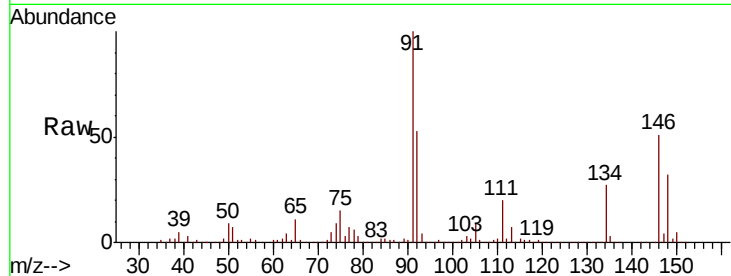
#91  
 1,2-Dichlorobenzene  
 Concen: 50.68 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 362987 |       |       |
| 111     | 38.6  | 19.4   | 58.1  |       |
| 148     | 64.1  | 32.8   | 98.3  |       |

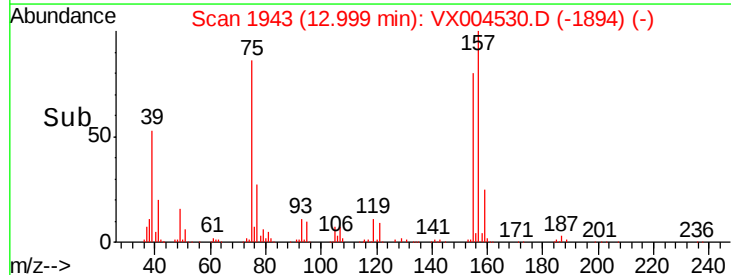
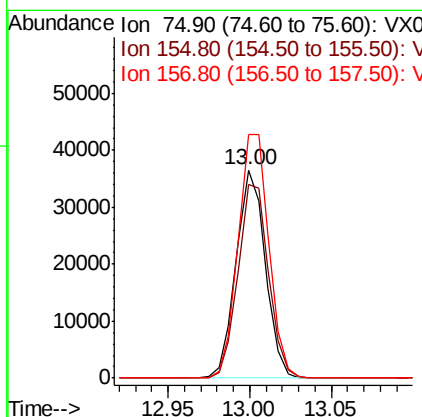
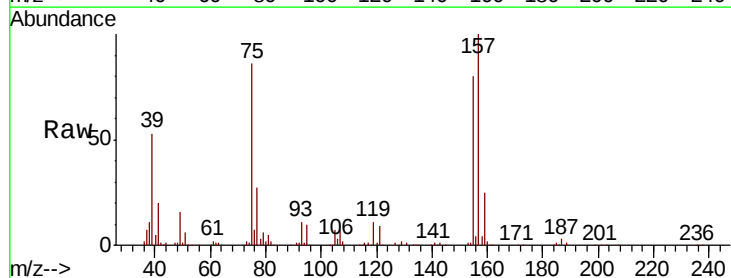
Manual Integrations  
 APPROVED

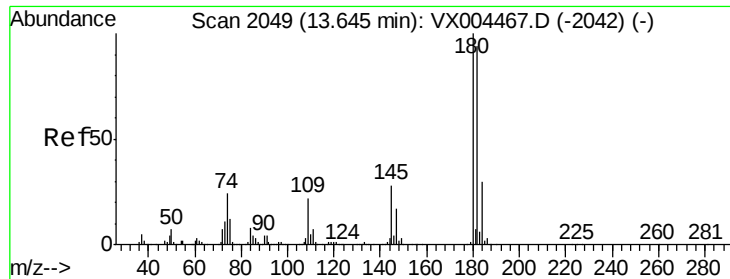
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.29 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 45639 |       |       |
| 155     | 97.2  | 48.0  | 144.2 |       |
| 157     | 123.6 | 61.4  | 184.1 |       |





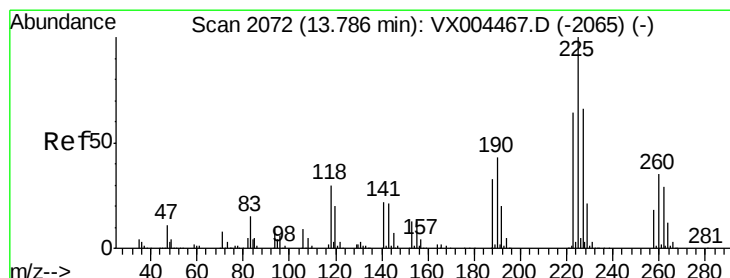
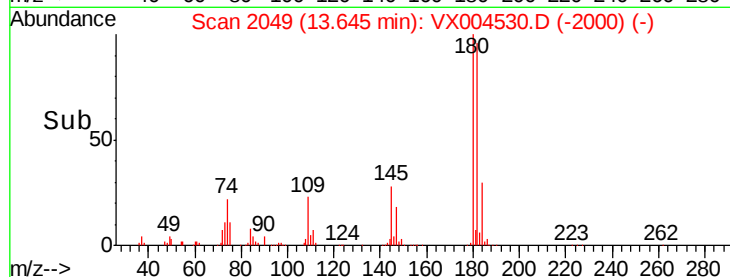
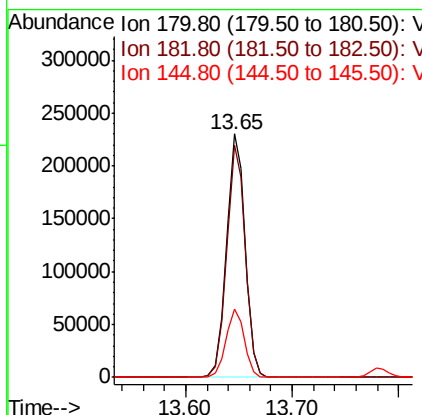
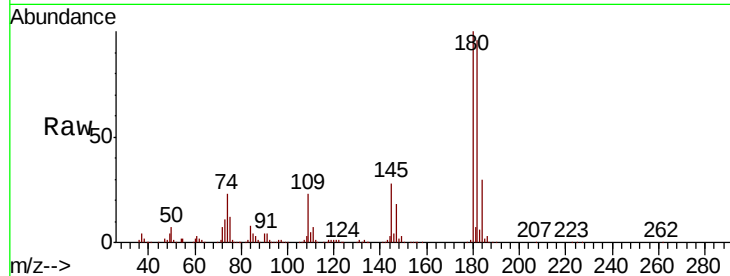
#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.18 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 279851 |       |       |
| 182     | 95.2  | 48.4   | 145.0 |       |
| 145     | 27.9  | 14.3   | 42.9  |       |

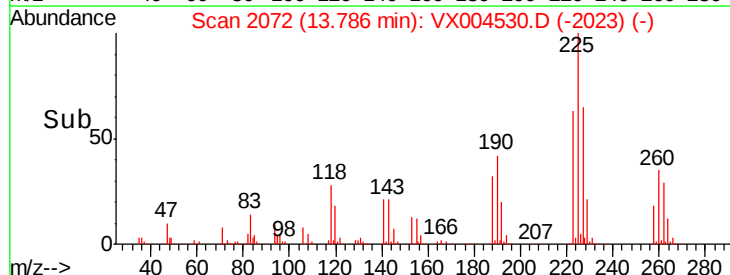
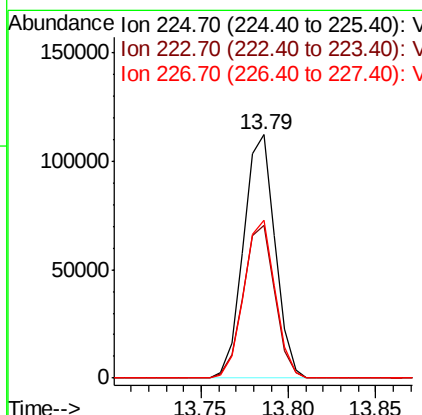
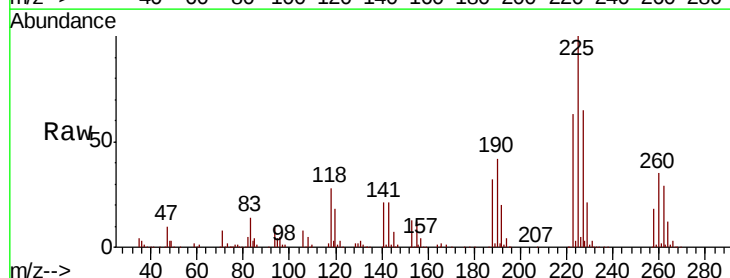
Manual Integrations  
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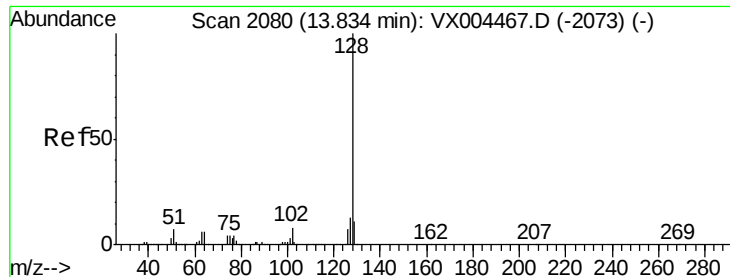
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#94  
 Hexachlorobutadiene  
 Concen: 53.22 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VX004530.D  
 Acq: 14 Sep 2018 10:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 141000 |       |       |
| 223     | 62.7  | 30.1   | 90.5  |       |
| 227     | 64.2  | 30.8   | 92.4  |       |





#95

Naphthalene

Concen: 53.80 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

Instrument :

MSVOA\_X

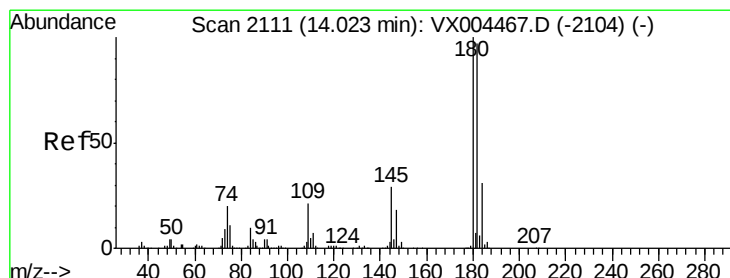
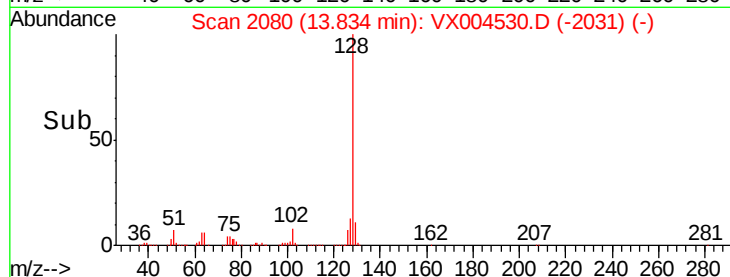
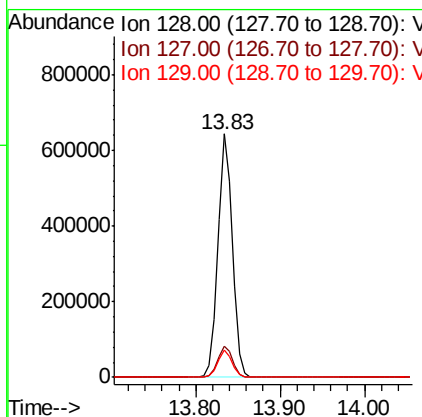
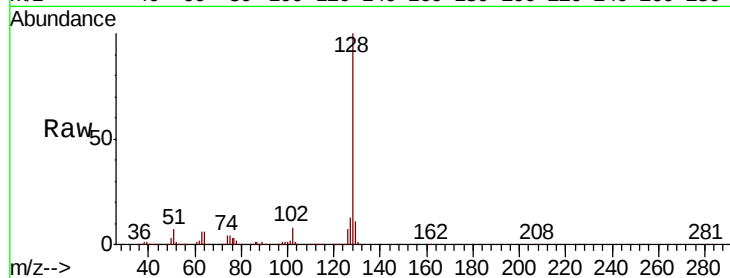
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 765267 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.2  | 15.2   |
| 129       | 11.0  | 8.6   | 12.8   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 53.36 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004530.D

Acq: 14 Sep 2018 10:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 278043 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 48.5  | 145.6  |
| 145       | 29.2  | 14.9  | 44.9   |

