

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\  
 Data File : VX004277.D  
 Acq On : 29 Aug 2018 08:08  
 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  
 8/30/2018 1:38:32 PM

Quant Time: Aug 30 03:11:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 288205   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 424293   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 383262   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 255258   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 191706   | 51.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.06% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 163571   | 51.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.64% |      |
| 50) Toluene-d8            | 8.71   | 98  | 601404   | 50.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.96% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 237320   | 53.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.76% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 149064  | 44.65  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 168514  | 45.70  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 172169  | 45.59  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 81701   | 43.64  | ug/l | 99     |
| 6) Chloroethane               | 1.71 | 64  | 122605  | 45.60  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 232080  | 44.85  | ug/l | 96     |
| 8) Diethyl Ether              | 2.19 | 74  | 116576  | 52.61  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 144690  | 44.64  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 162125  | 44.81  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 206348  | 257.70 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 138968  | 45.52  | ug/l | 98     |
| 13) Acrolein                  | 2.29 | 56  | 55772   | 288.91 | ug/l | 98     |
| 14) Allyl chloride            | 2.72 | 41  | 278087  | 49.57  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 504532  | 254.43 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 427996  | 280.08 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.57 | 76  | 354336  | 41.92  | ug/l | 98     |
| 18) Methyl Acetate            | 2.78 | 43  | 333236  | 59.78  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 544327  | 54.10  | ug/l | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 178291  | 49.31  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 157226  | 46.52  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.87 | 45  | 551683  | 52.67  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2223704 | 261.95 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 305349  | 50.03  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 659590  | 262.19 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 238435  | 49.80  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 191717  | 50.02  | ug/l | 99     |
| 28) Bromochloromethane        | 5.01 | 49  | 137955  | 51.05  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 415140  | 257.22 | ug/l | 99     |
| 30) Chloroform                | 5.21 | 83  | 306079  | 50.01  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 231677  | 43.99  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 245272  | 48.06  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 217774  | 45.65  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.86 | 43  | 241115  | 51.40  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 205956  | 45.90  | ug/l | 98     |

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 Acq On : 29 Aug 2018 08:08  
 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  
 8/30/2018 1:38:32 PM

Quant Time: Aug 30 03:11:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 229208   | 42.09   | ug/l  | 100      |
| 40) Benzene                    | 6.14  | 78   | 695329   | 48.78   | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 142728   | 52.49   | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 244536   | 50.30   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 386262   | 53.58   | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 186046   | 47.16   | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 182413   | 51.13   | ug/l  | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 119613   | 50.36   | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 228921   | 51.80   | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 206203   | 53.46   | ug/l  | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 88451    | 1010.01 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1310584  | 250.23  | ug/l  | 99       |
| 52) Toluene                    | 8.79  | 92   | 444215   | 49.79   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 267819   | 54.86   | ug/l  | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 290313   | 54.60   | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 185873   | 51.61   | ug/l  | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 281348   | 57.38   | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 316045   | 52.06   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 717234   | 285.50  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 1009588  | 252.66  | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 187556   | 53.45   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 195154   | 52.36   | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 182152   | 48.11   | ug/l  | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 484018   | 50.32   | ug/l  | 91       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 179211   | 54.02   | ug/l  | 96       |
| 67) Ethyl Benzene              | 10.25 | 91   | 816557   | 52.27   | ug/l  | 95       |
| 68) m/p-Xylenes                | 10.36 | 106  | 638871   | 104.59  | ug/l  | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 311961   | 53.99   | ug/l  | 97       |
| 70) Styrene                    | 10.71 | 104  | 534032   | 57.08   | ug/l  | 100      |
| 71) Bromoform                  | 10.86 | 173  | 145931   | 54.57   | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 836451   | 49.89   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 339816   | 52.64   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 291352   | 49.66   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 272189m  | 52.43   | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 235767   | 50.13   | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 956676   | 49.61   | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 589312   | 49.65   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 699132   | 50.36   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 88761    | 55.47   | ug/l  | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 691635   | 49.52   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 690649   | 49.44   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 741433   | 52.02   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 795735   | 47.98   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 741281   | 49.88   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 441492   | 49.86   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 446042   | 47.78   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 600334   | 49.67   | ug/l  | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 100377   | 48.32   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 411381   | 50.83   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 53264    | 51.54   | ug/l  | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\  
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Acq On : 29 Aug 2018 08:08  
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

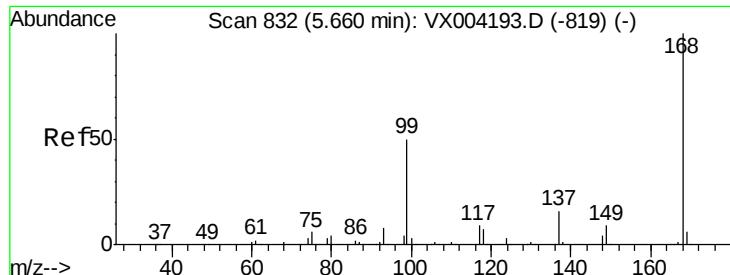
MMDadoda  
8/30/2018 1:38:32 PM

Quant Time: Aug 30 03:11:24 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 297727   | 50.56 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 111536   | 40.69 | ug/l  | 91       |
| 95) Naphthalene            | 13.83 | 128  | 919599   | 55.22 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 313569   | 50.31 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 288205

Ion Ratio Lower Upper

168 100

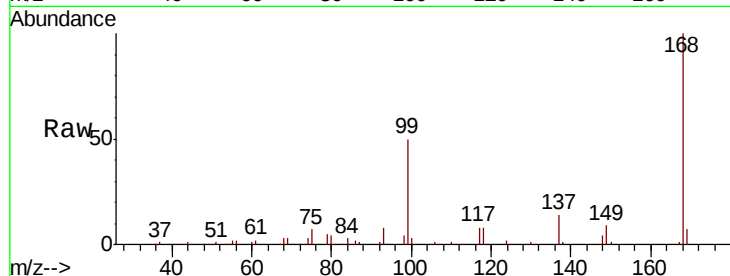
99 50.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

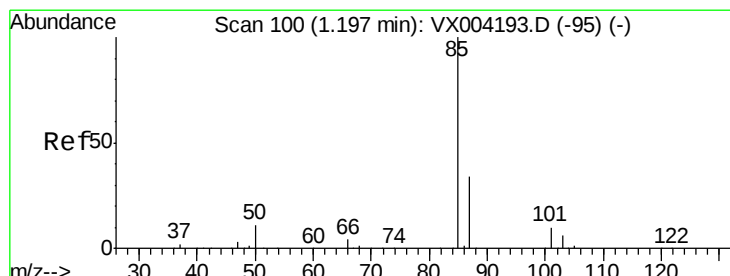
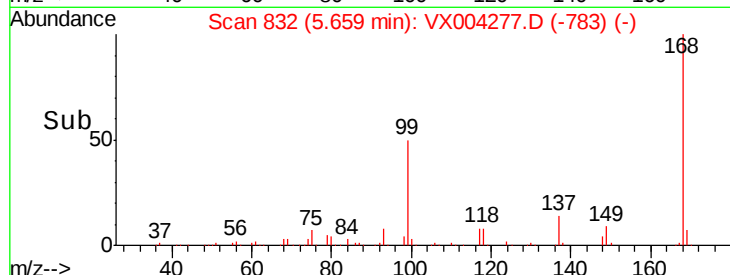
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.65 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004277.D

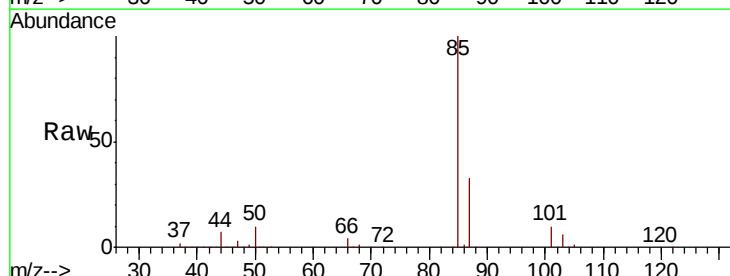
Acq: 29 Aug 2018 08:08

Tgt Ion: 85 Resp: 149064

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

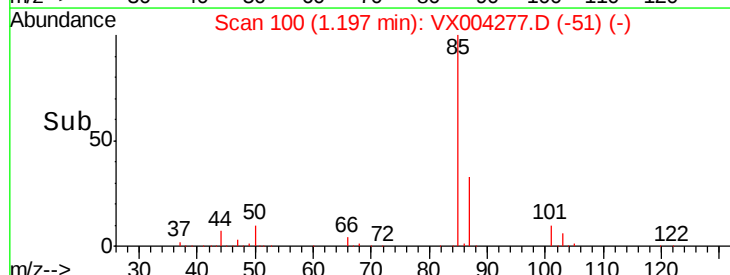
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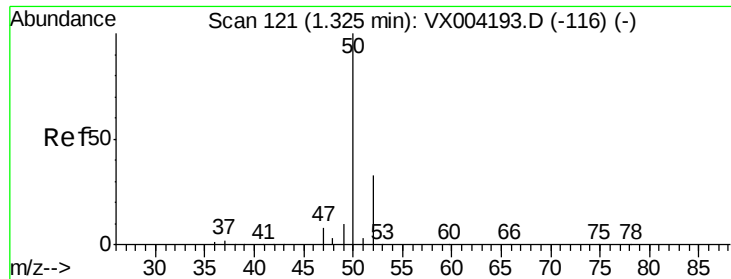
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.70 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168514

Ion Ratio Lower Upper

50 100

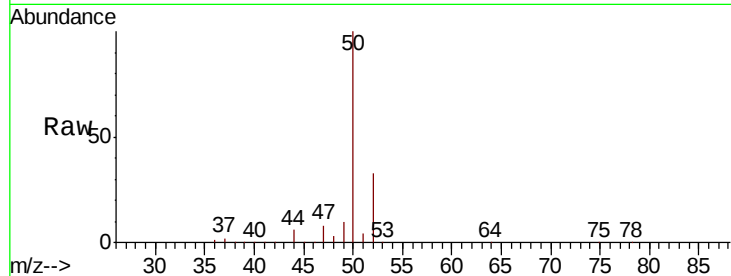
52 32.6 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

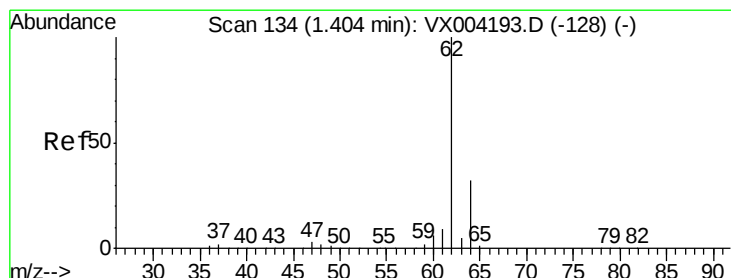
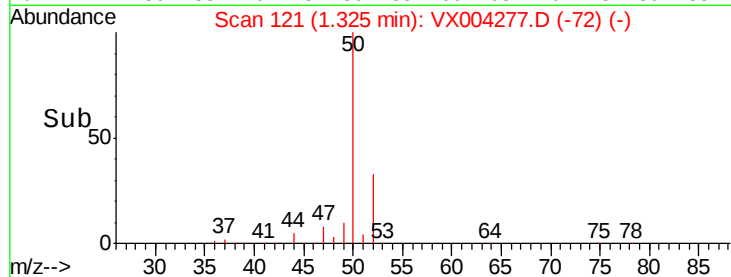
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 45.59 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004277.D

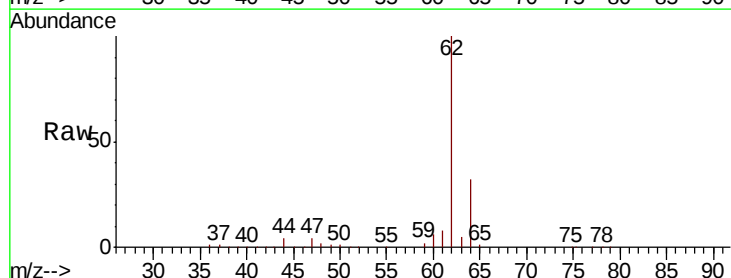
Acq: 29 Aug 2018 08:08

Tgt Ion: 62 Resp: 172169

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

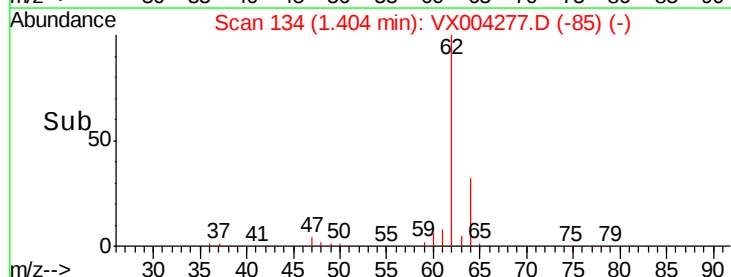
150000

100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 43.64 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81701

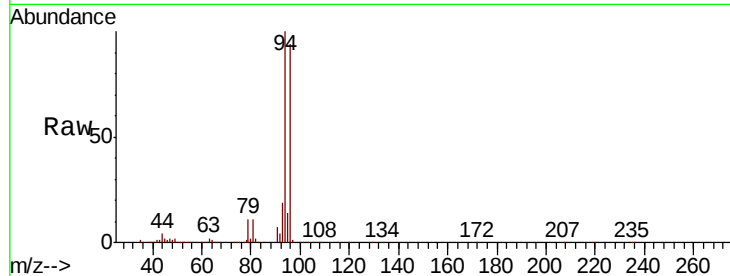
Ion Ratio Lower Upper

94 100

96 93.8 74.5 111.7

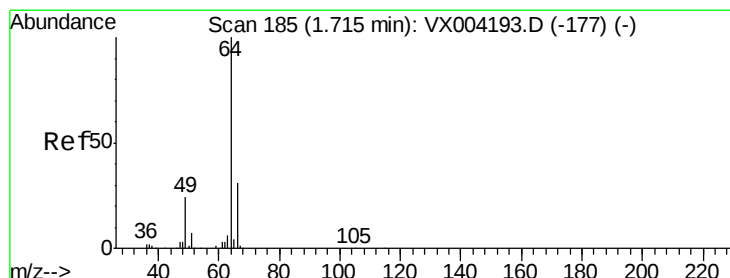
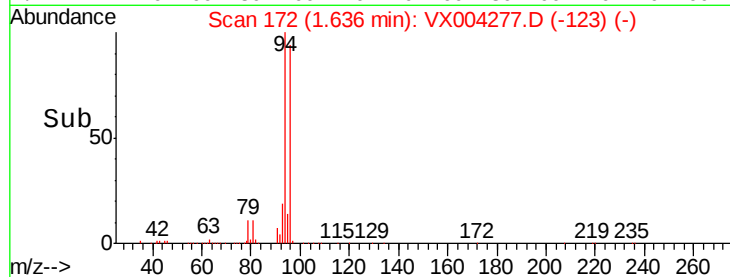
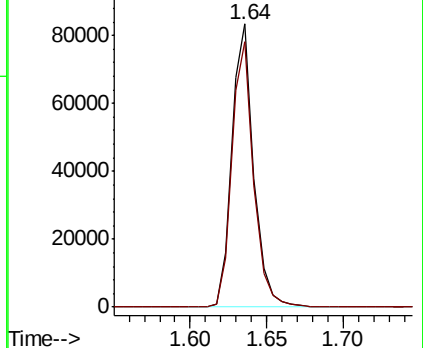
Manual Integrations  
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8/30/2018 1:38:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.60 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004277.D

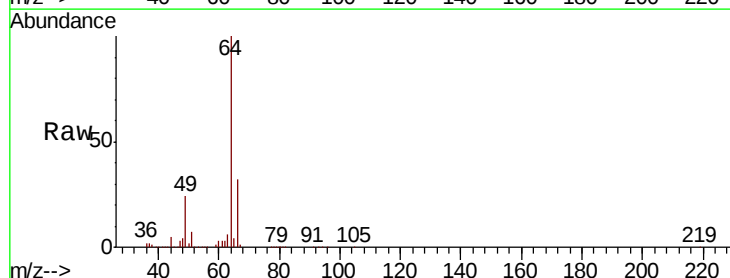
Acq: 29 Aug 2018 08:08

Tgt Ion: 64 Resp: 122605

Ion Ratio Lower Upper

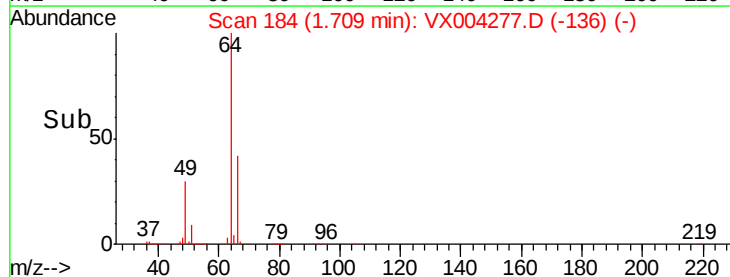
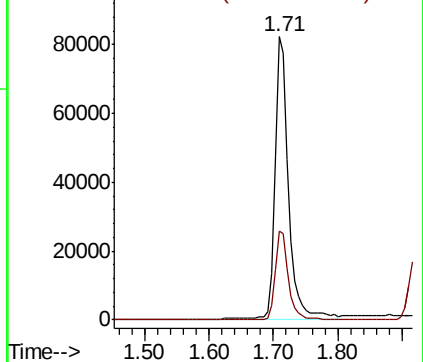
64 100

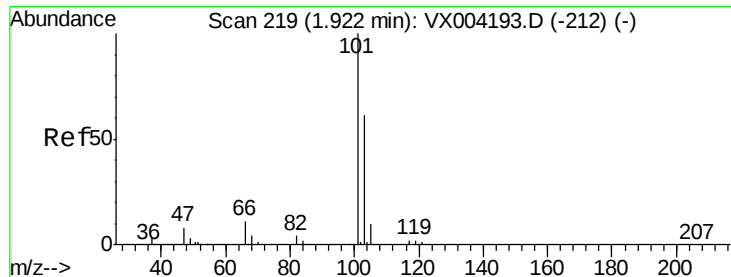
66 31.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

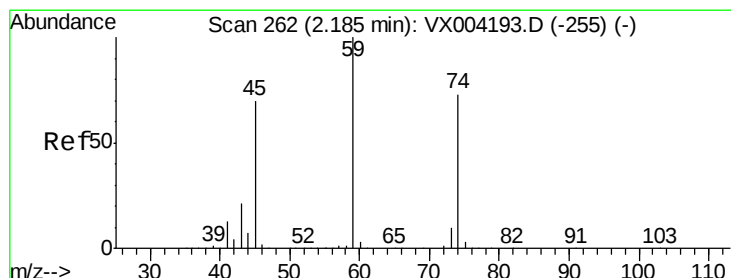
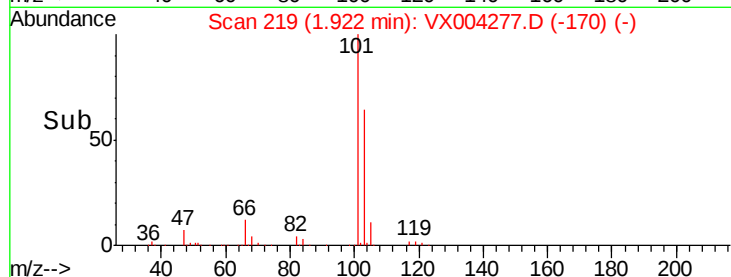
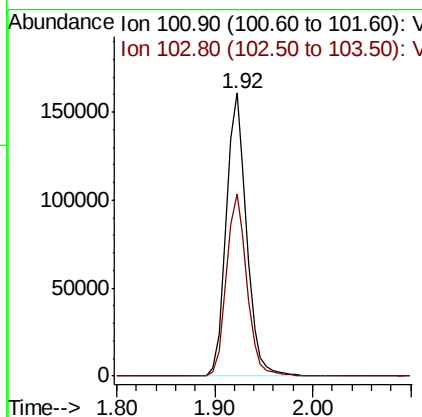
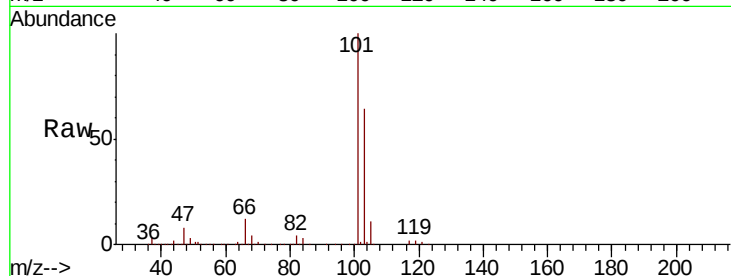
Trichlorofluoromethane  
 Concen: 44.85 ug/l  
 RT: 1.92 min Scan# 219  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 232080 |       |       |
| 103     | 64.4 | 48.9  | 73.3   |       |       |

Manual Integrations  
 APPROVED

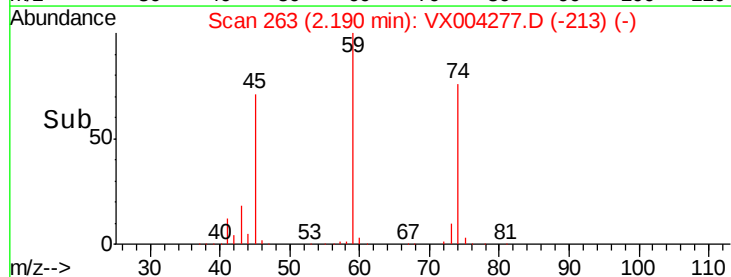
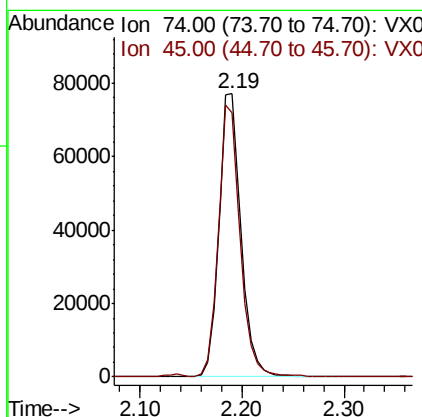
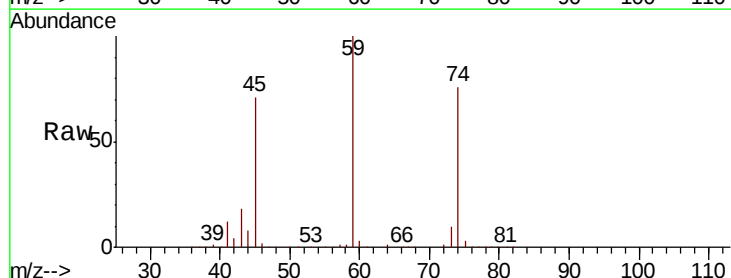
MMDadoda  
 8/30/2018 1:38:32 PM

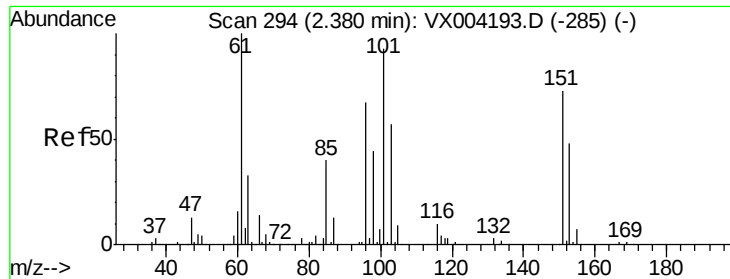


#8

Diethyl Ether  
 Concen: 52.61 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. 0.01 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 74      | 100  |       | 116576 |       |       |
| 45      | 94.6 | 48.3  | 144.8  |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.64 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

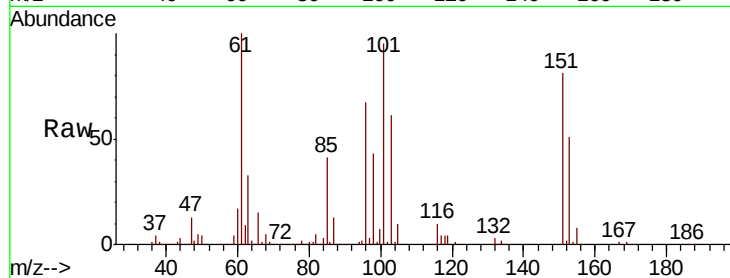
ClientSampleId :

VSTDCCC050

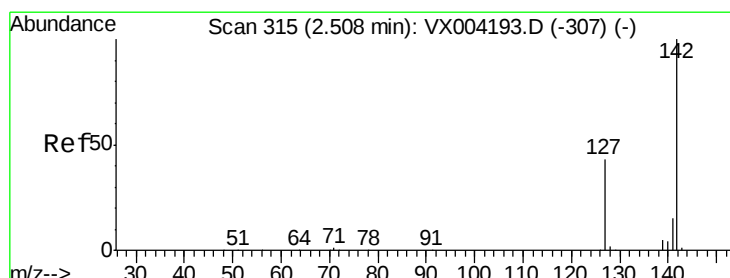
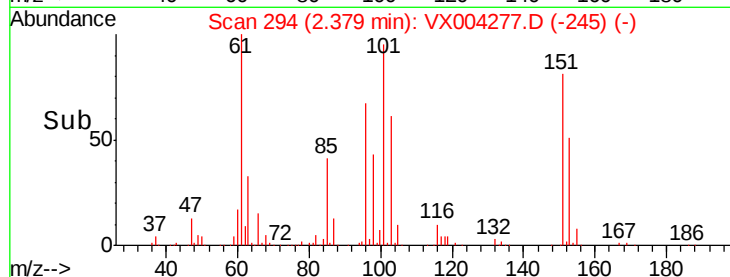
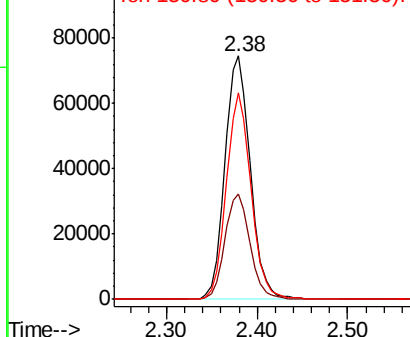
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 144690 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.8  | 34.2  | 51.4   |
| 151       | 82.5  | 65.0  | 97.6   |

Manual Integrations  
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8/30/2018 1:38:32 PM



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



#10

Methyl Iodide

Concen: 44.81 ug/l

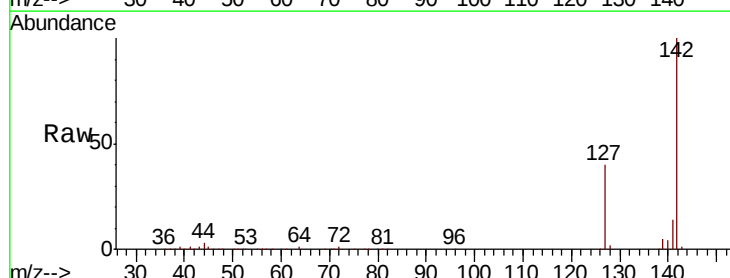
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

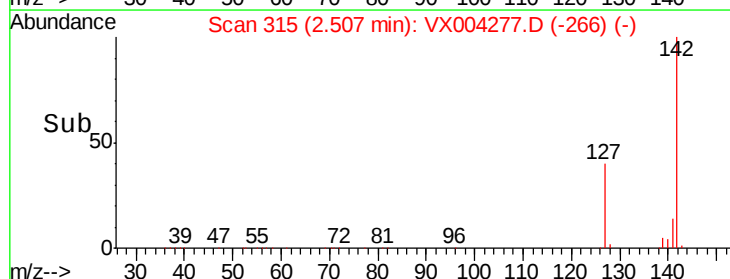
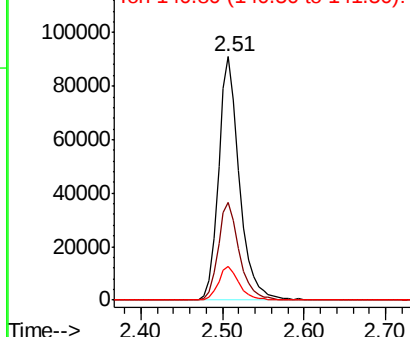
Lab File: VX004277.D

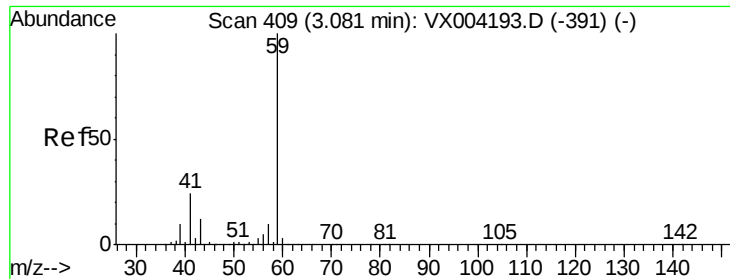
Acq: 29 Aug 2018 08:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 162125 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.6  | 33.8  | 50.6   |
| 141       | 13.9  | 11.4  | 17.0   |



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





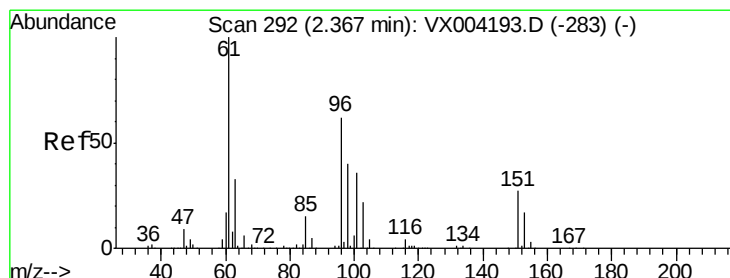
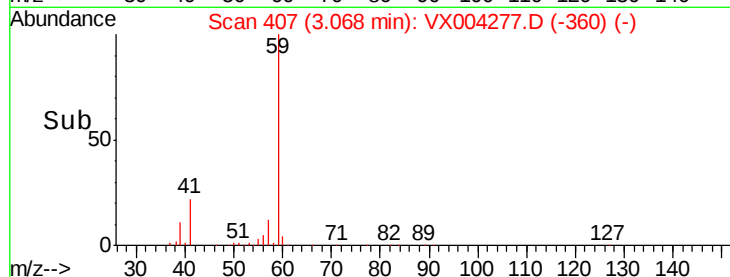
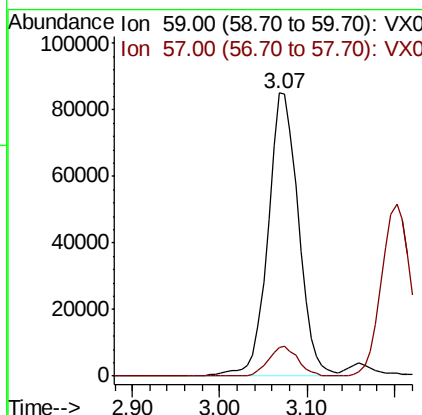
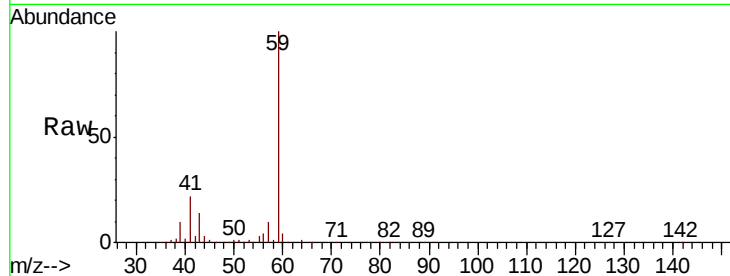
#11  
Tert butyl alcohol  
Concen: 257.70 ug/l  
RT: 3.07 min Scan# 407  
Delta R.T. -0.01 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 59   | Resp  | 206348 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.3 | 8.2   | 12.4   |

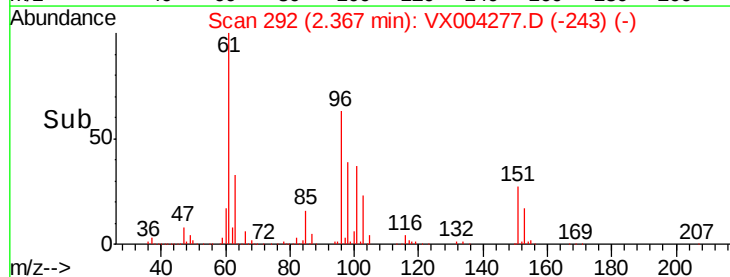
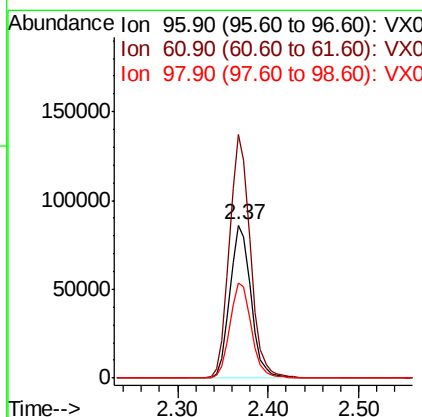
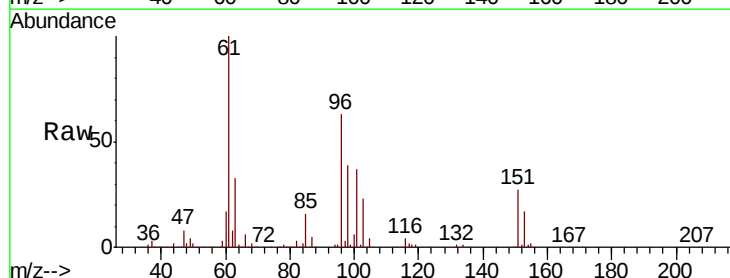
Manual Integrations  
APPROVED

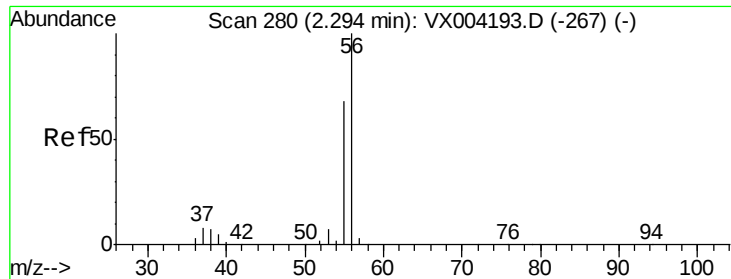
MMDadoda  
8/30/2018 1:38:32 PM



#12  
1,1-Dichloroethene  
Concen: 45.52 ug/l  
RT: 2.37 min Scan# 292  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion   | 96    | Resp  | 138968 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 159.0 | 128.8 | 193.2  |
| 98        | 62.5  | 52.2  | 78.2   |





#13

Acrolein

Concen: 288.91 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55772

Ion Ratio Lower Upper

56 100

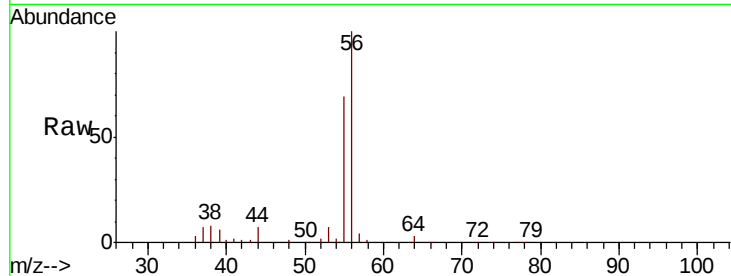
55 70.4 54.7 82.1

Manual Integrations

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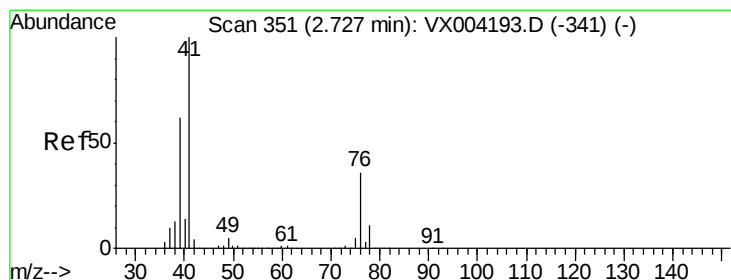
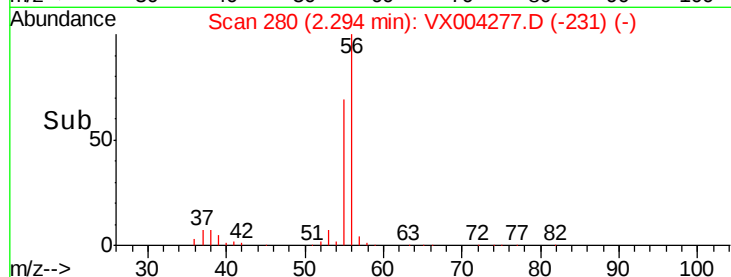
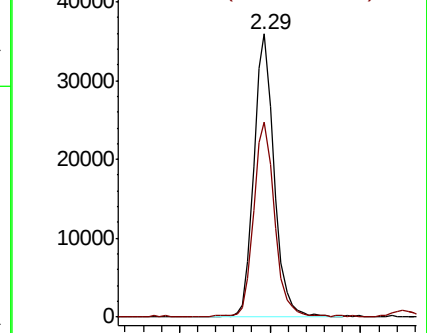
MMDadoda

8/30/2018 1:38:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.57 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

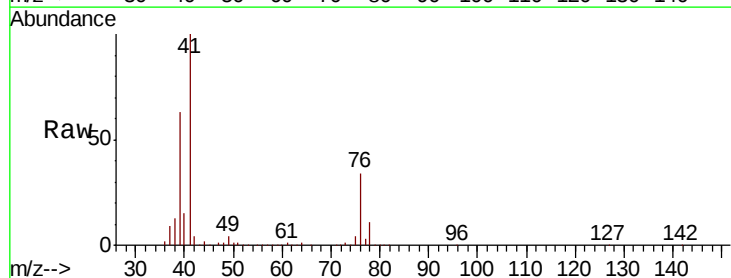
Tgt Ion: 41 Resp: 278087

Ion Ratio Lower Upper

41 100

39 60.0 48.9 73.3

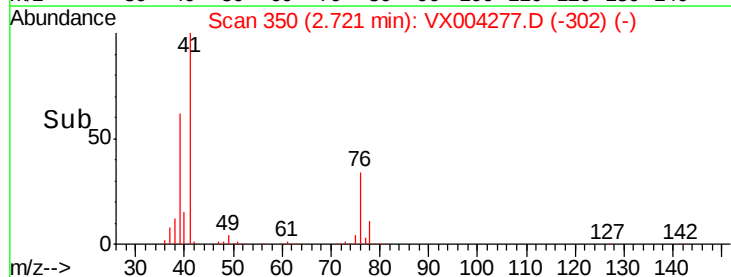
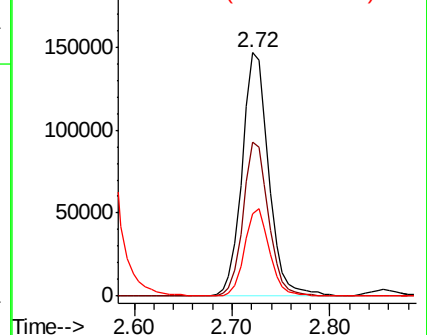
76 33.4 26.7 40.1



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: 254.43 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

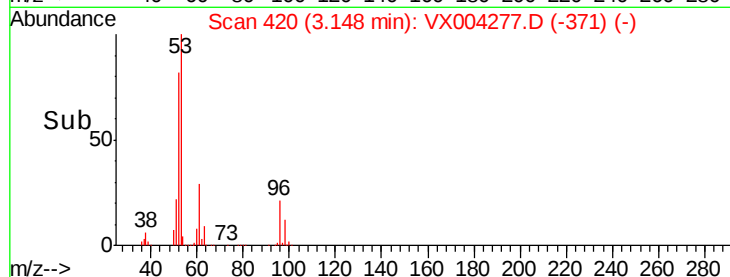
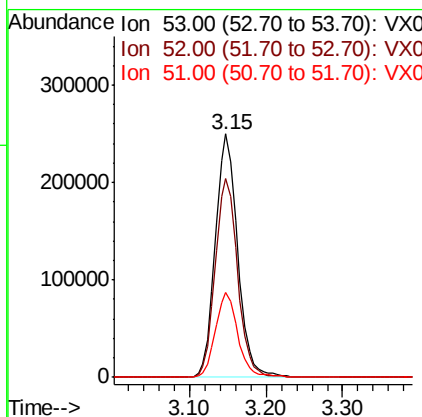
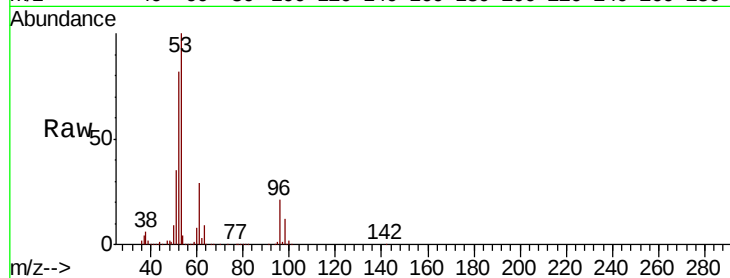
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 504532 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.0  | 65.2  | 97.8   |
| 51       | 35.2  | 28.2  | 42.2   |

Manual Integrations  
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#16

Acetone

Concen: 280.08 ug/l

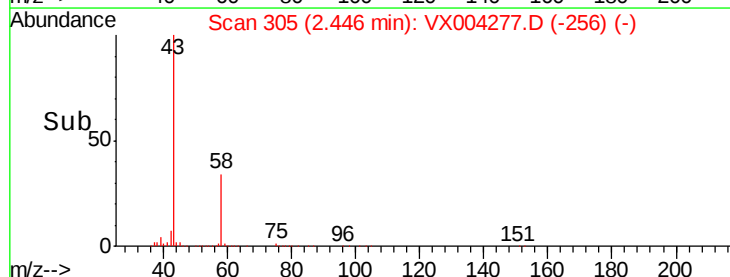
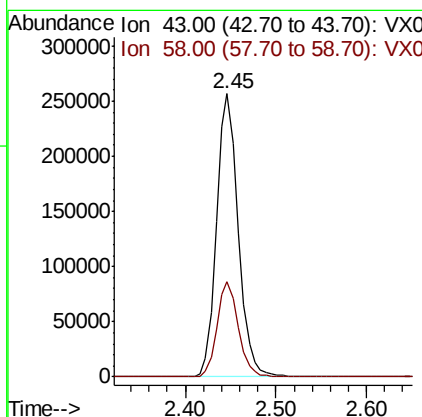
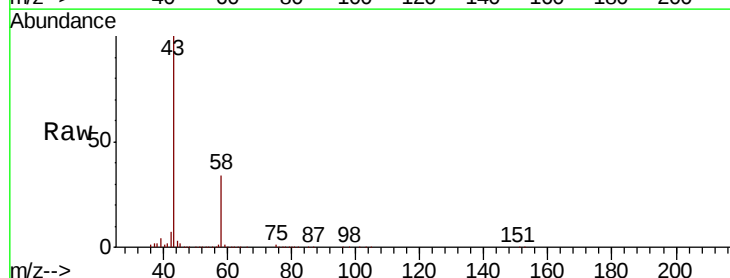
RT: 2.45 min Scan# 305

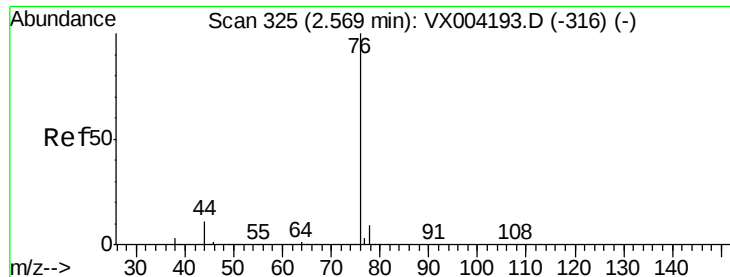
Delta R.T. 0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 427996 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.7  | 26.2  | 39.4   |





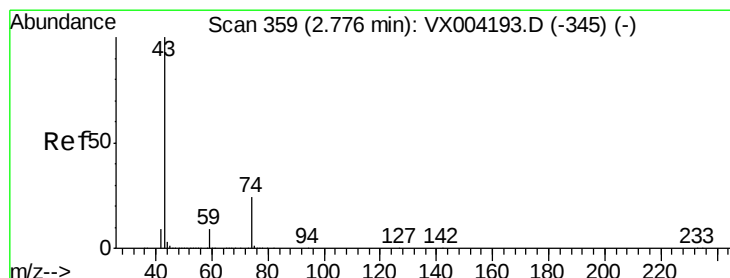
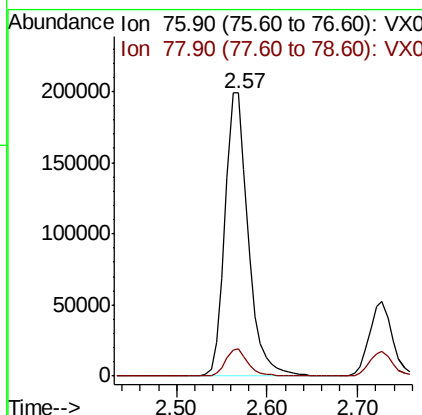
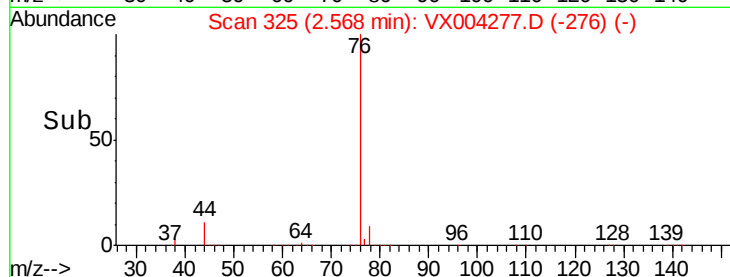
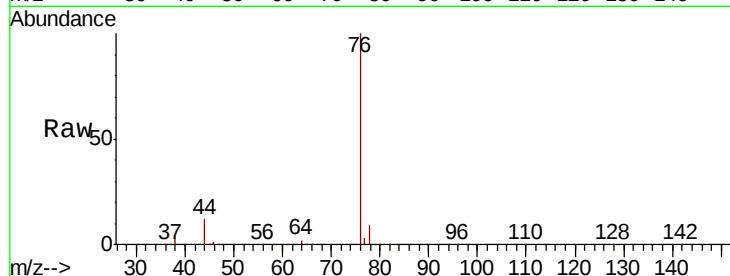
#17  
Carbon Disulfide  
Concen: 41.92 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 7.0   | 10.6  |

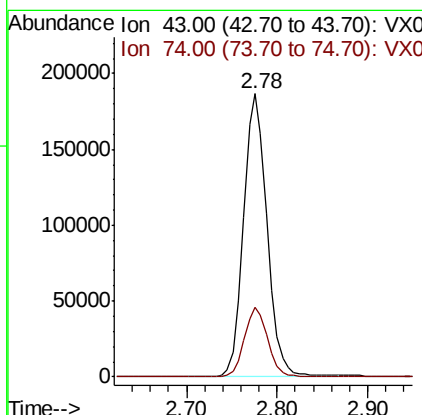
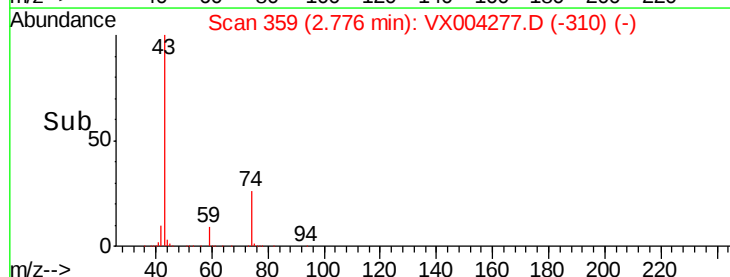
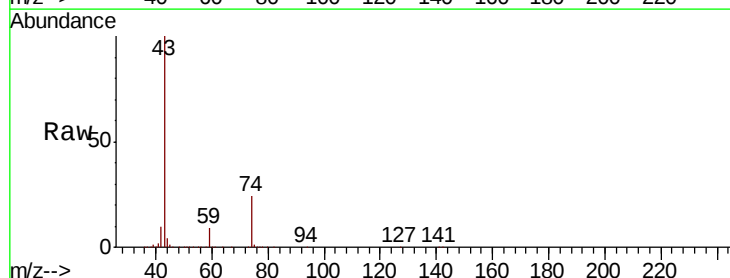
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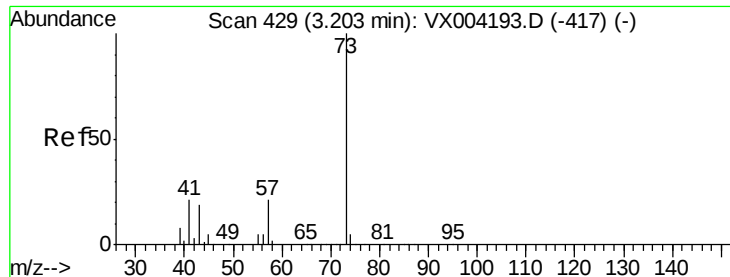
MMDadoda  
8/30/2018 1:38:32 PM



#18  
Methyl Acetate  
Concen: 59.78 ug/l  
RT: 2.78 min Scan# 359  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.7  | 19.4  | 29.2  |





#19

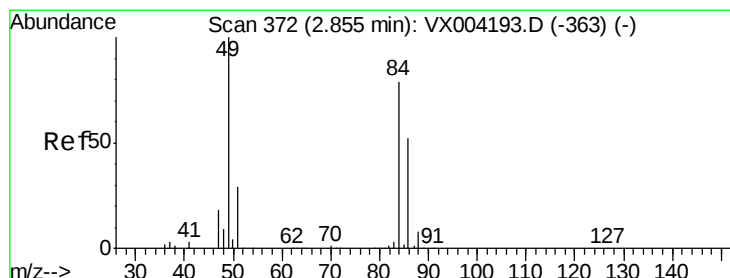
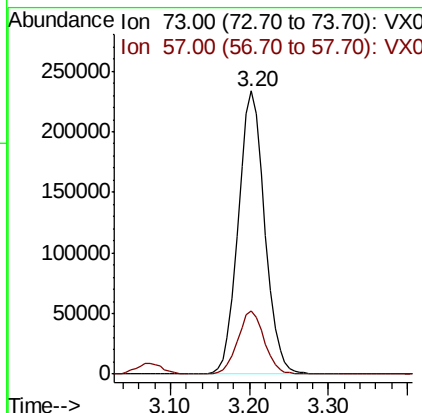
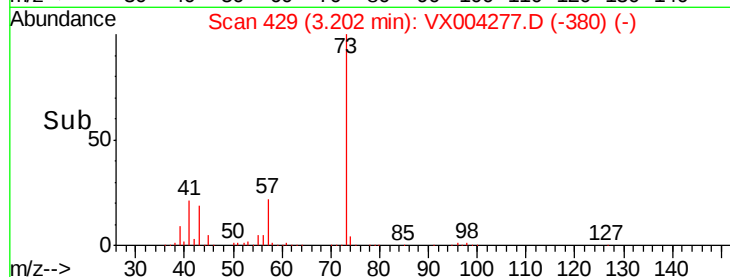
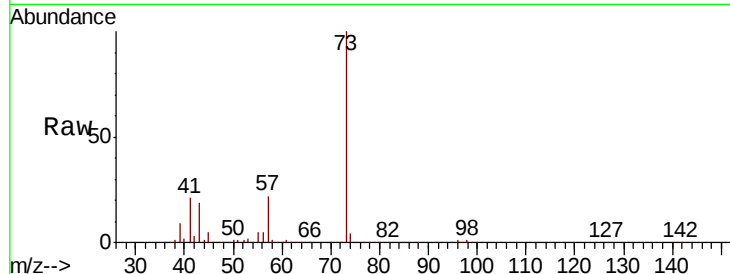
Methyl tert-butyl Ether  
 Concen: 54.10 ug/l  
 RT: 3.20 min Scan# 429  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050

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

Manual Integrations  
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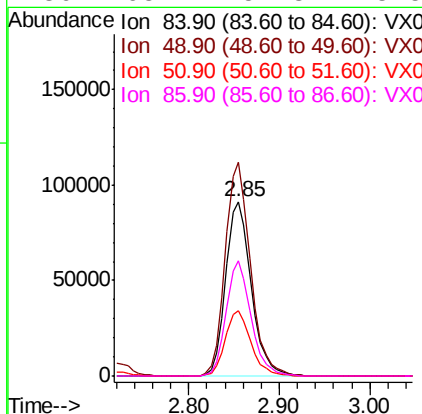
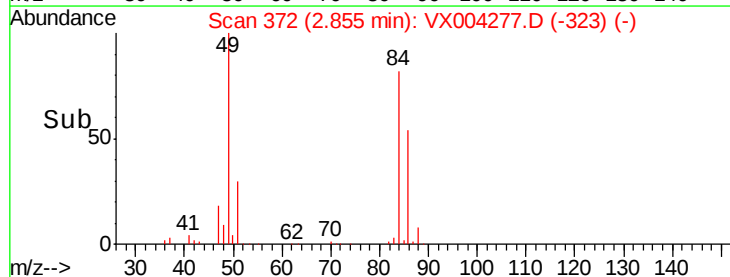
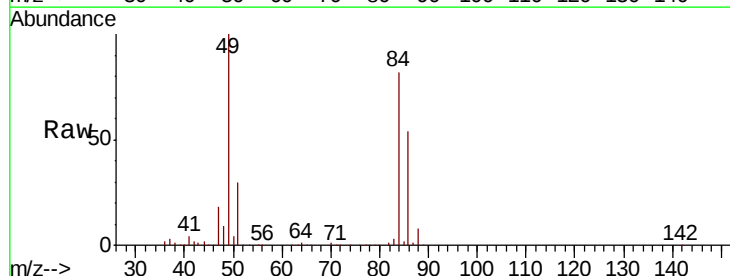
MMDadoda  
 8/30/2018 1:38:32 PM

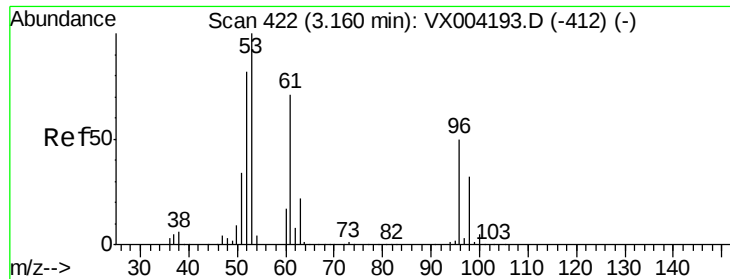


#20

Methylene Chloride  
 Concen: 49.31 ug/l  
 RT: 2.85 min Scan# 372  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.5 | 101.2 | 151.8 |
| 51      | 37.1  | 29.5  | 44.3  |
| 86      | 65.7  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 46.52 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

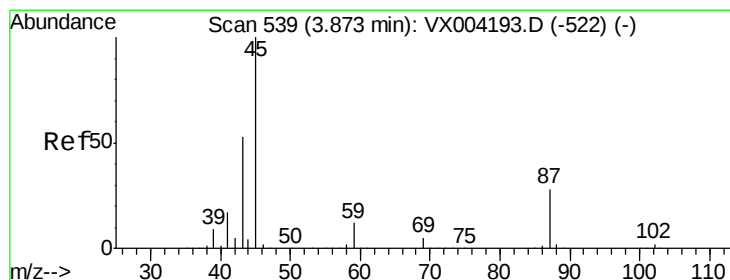
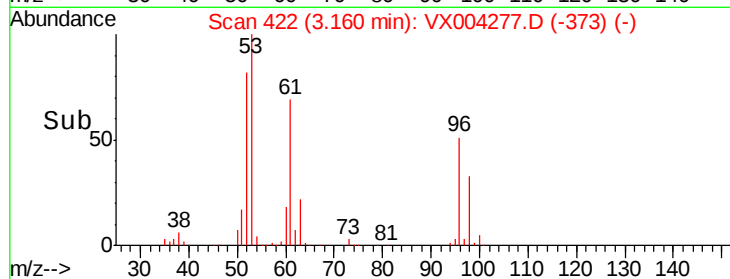
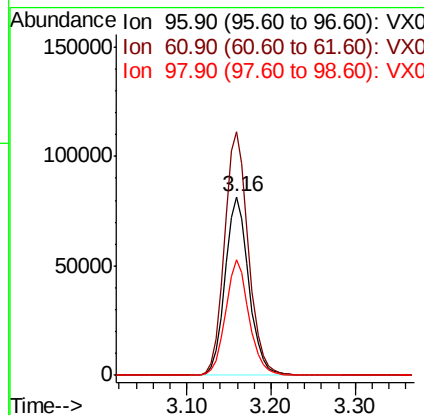
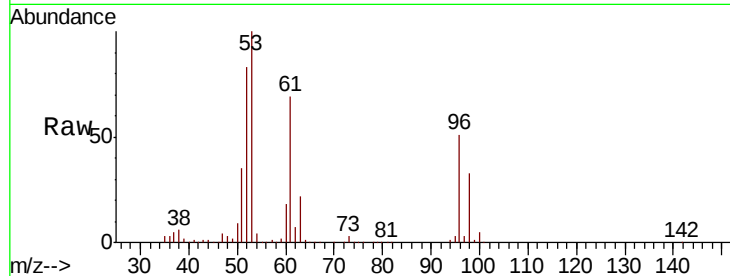
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 157226 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 136.2 | 113.8 | 170.6  |
| 98       | 65.0  | 51.8  | 77.8   |

Manual Integrations  
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MMDadoda  
8/30/2018 1:38:32 PM



#22

Diisopropyl ether

Concen: 52.67 ug/l

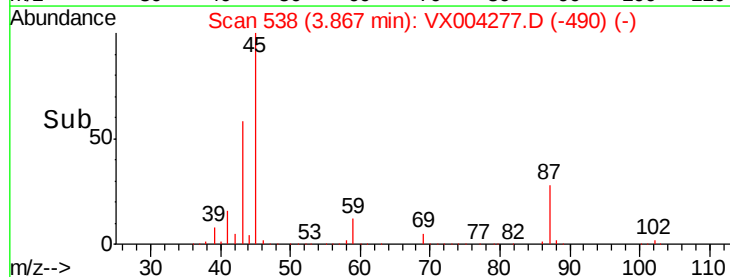
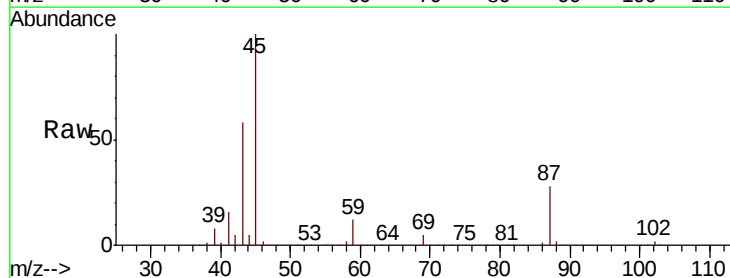
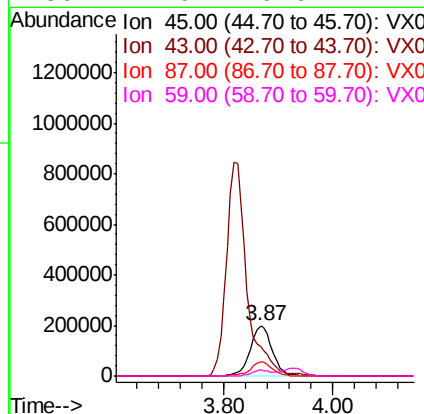
RT: 3.87 min Scan# 538

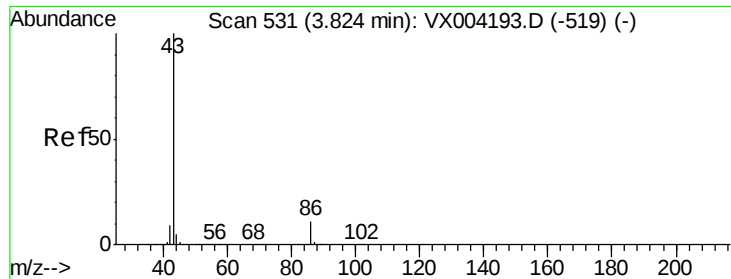
Delta R.T. -0.01 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 551683 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.9  | 42.8  | 64.2   |
| 87       | 28.4  | 22.6  | 34.0   |
| 59       | 11.6  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 261.95 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2223704

Ion Ratio Lower Upper

43 100

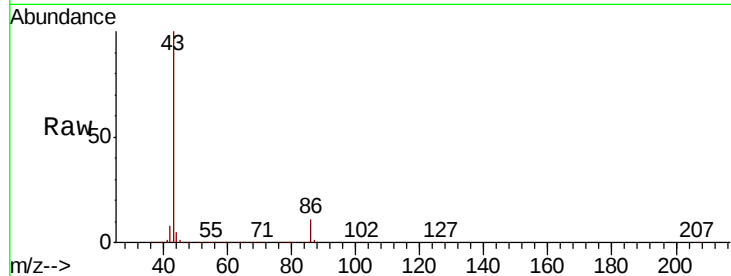
86 10.9 8.9 13.3

Manual Integrations

APPROVED

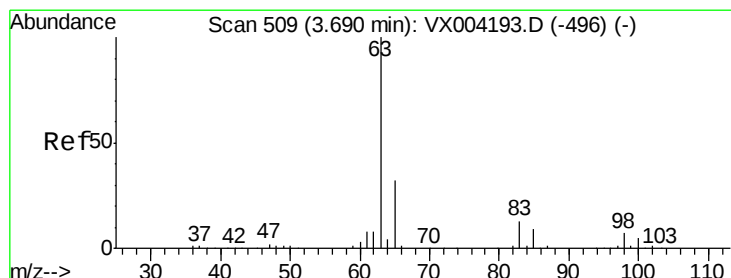
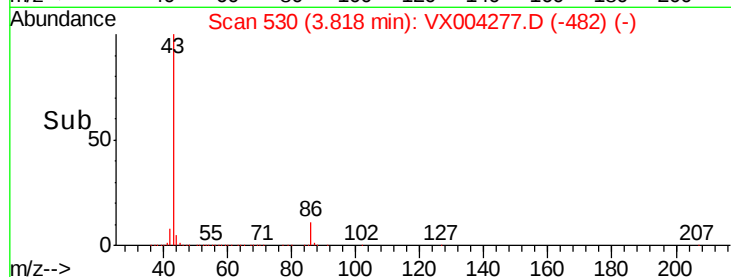
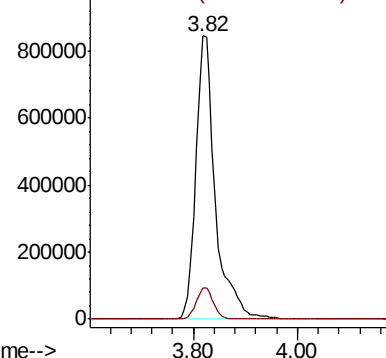
MMDadoda

8/30/2018 1:38:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.03 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

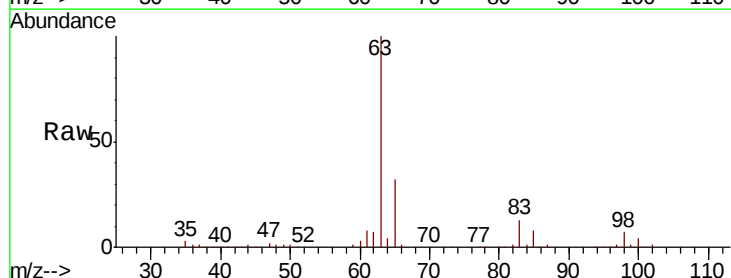
Tgt Ion: 63 Resp: 305349

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

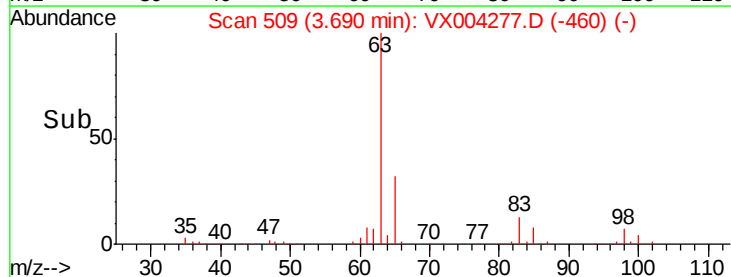
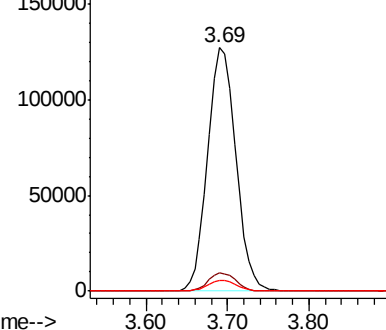
100 4.4 2.4 7.1

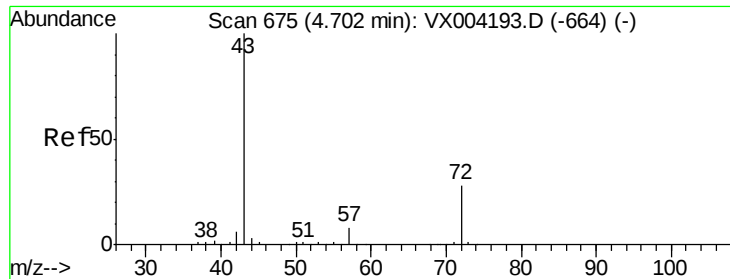


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 262.19 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 659590

Ion Ratio Lower Upper

43 100

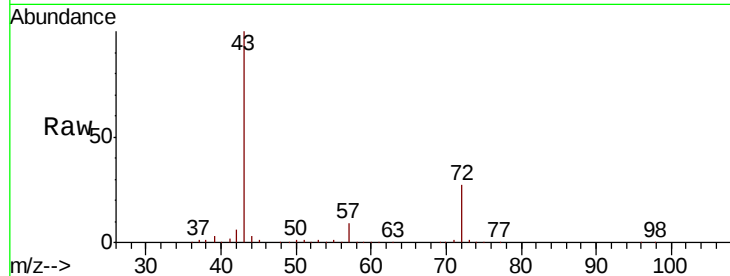
72 27.5 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

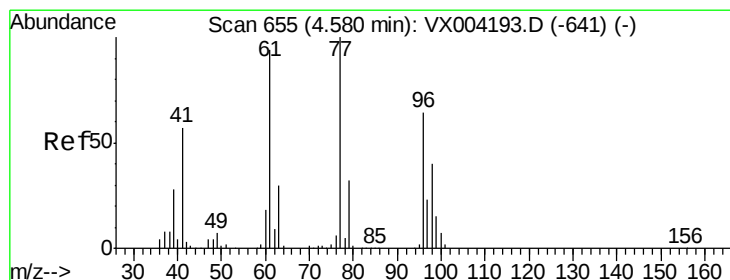
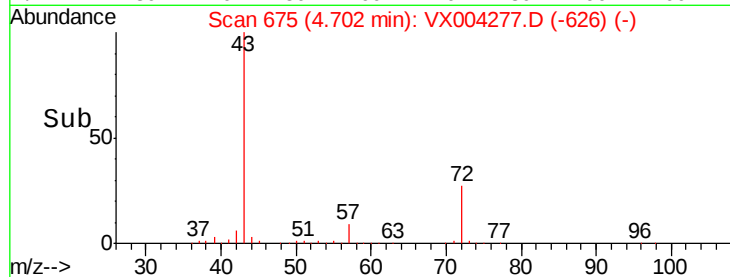
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.80 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004277.D

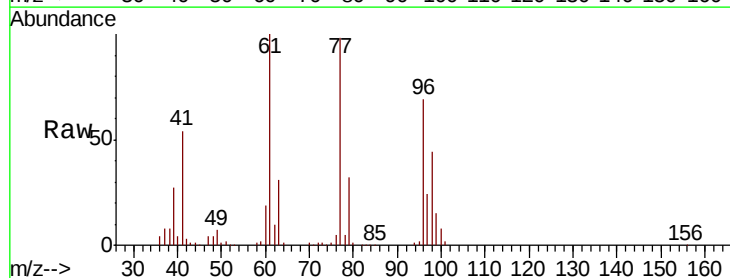
Acq: 29 Aug 2018 08:08

Tgt Ion: 77 Resp: 238435

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

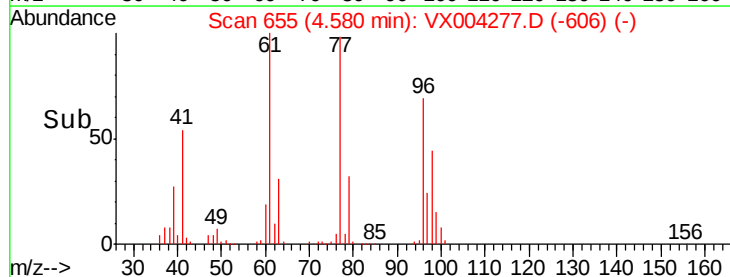
40000

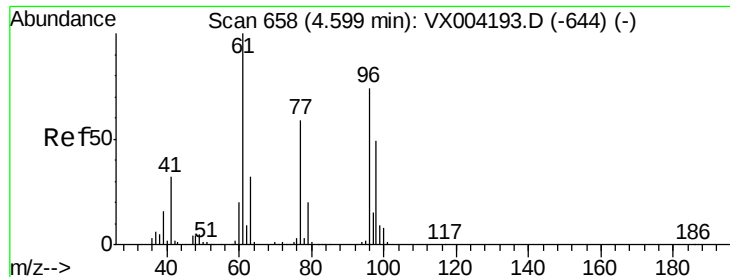
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.02 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

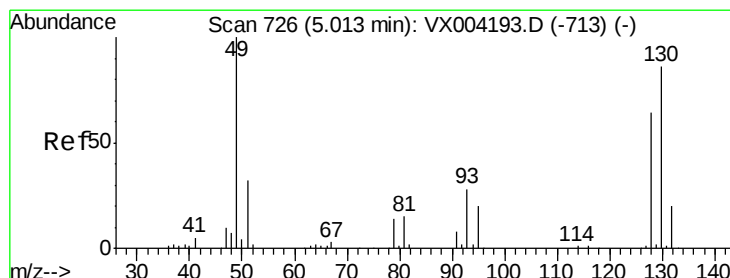
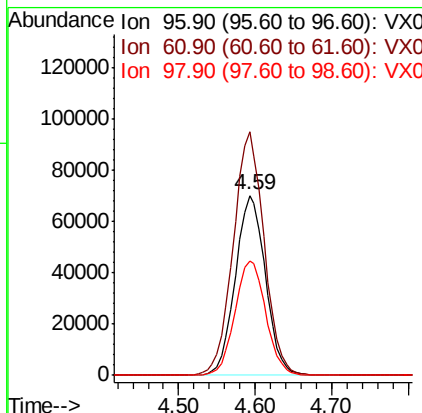
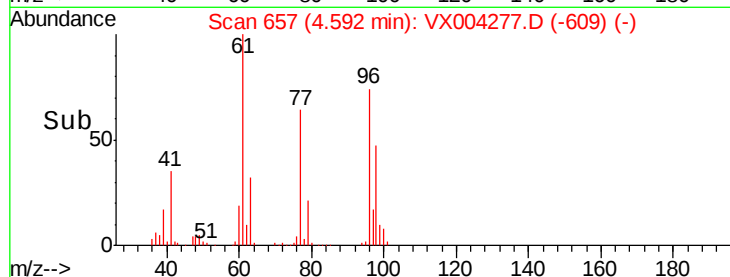
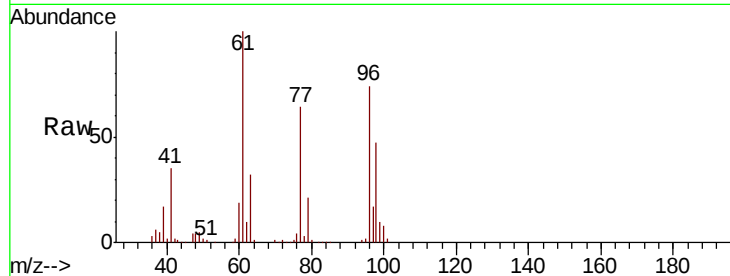
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 191717 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 138.8 | 0.0   | 282.6  |
| 98        | 65.2  | 0.0   | 130.2  |

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#28

Bromochloromethane

Concen: 51.05 ug/l

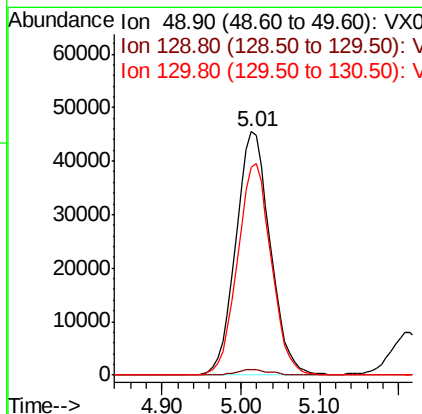
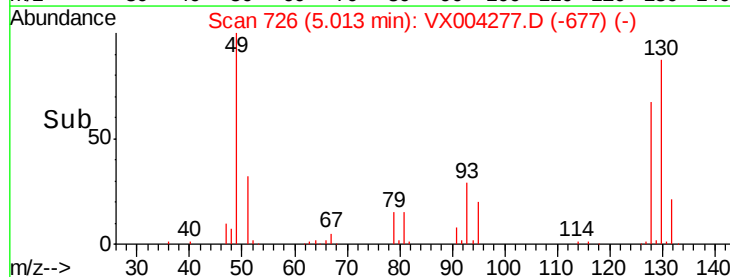
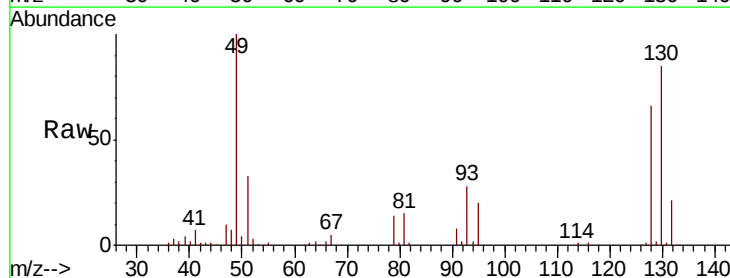
RT: 5.01 min Scan# 726

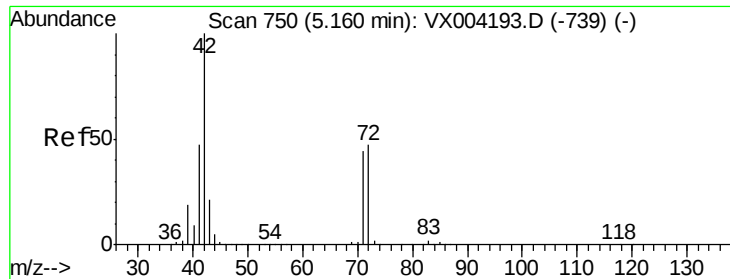
Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 137955 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.2   | 0.0   | 4.2    |
| 130       | 85.1  | 67.5  | 101.3  |





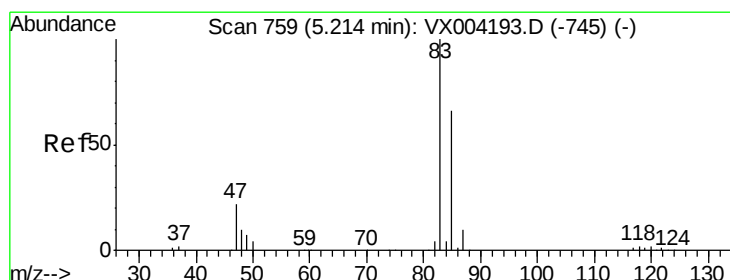
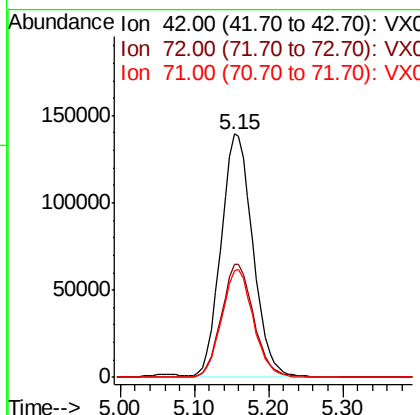
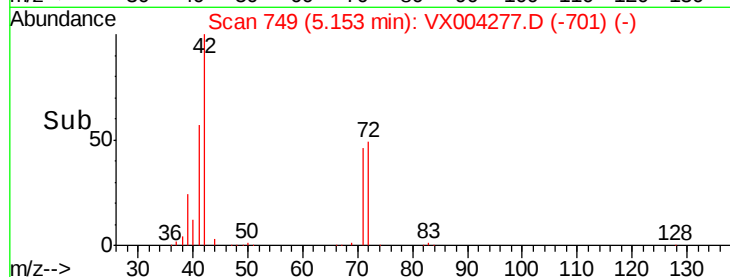
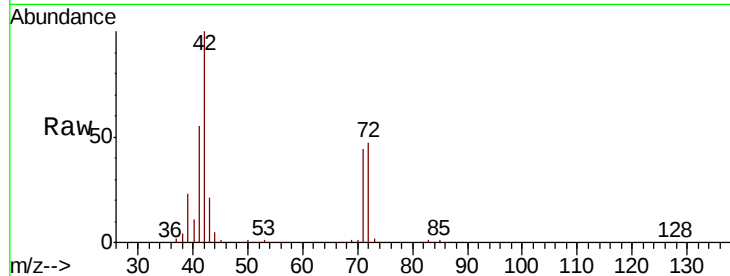
#29  
Tetrahydrofuran  
Concen: 257.22 ug/l  
RT: 5.15 min Scan# 749  
Delta R.T. -0.01 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 42    | Resp: | 415140 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 47.3  | 37.4  | 56.0   |
| 71        | 44.1  | 34.5  | 51.7   |

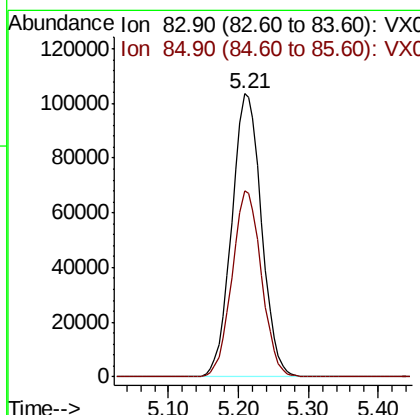
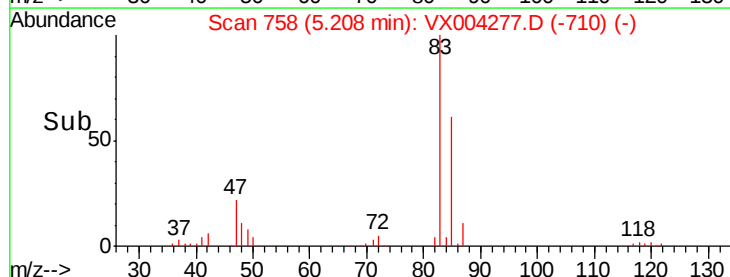
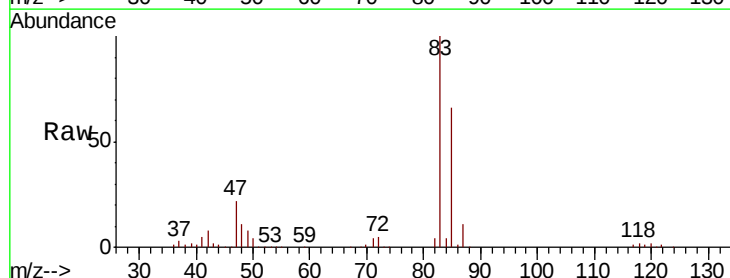
Manual Integrations  
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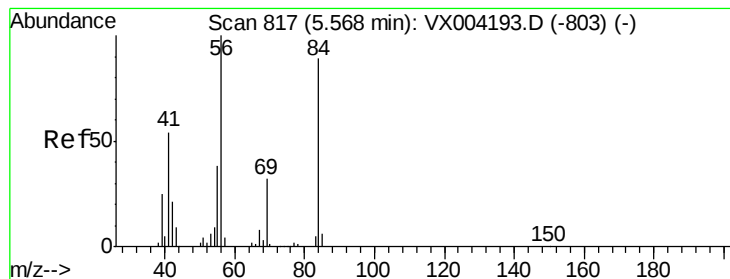
MMDadoda  
8/30/2018 1:38:32 PM



#30  
Chloroform  
Concen: 50.01 ug/l  
RT: 5.21 min Scan# 758  
Delta R.T. -0.01 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 306079 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.8  | 52.6  | 79.0   |





#31

Cyclohexane

Concen: 43.99 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

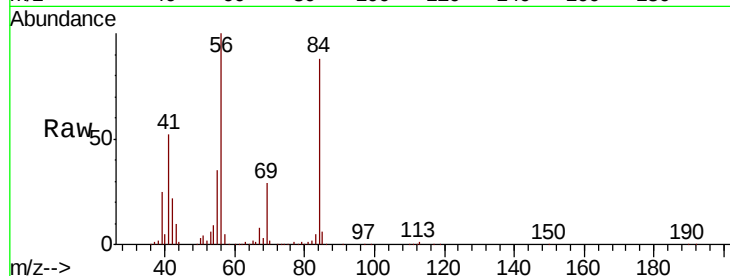
ClientSampleId :

VSTDCCC050

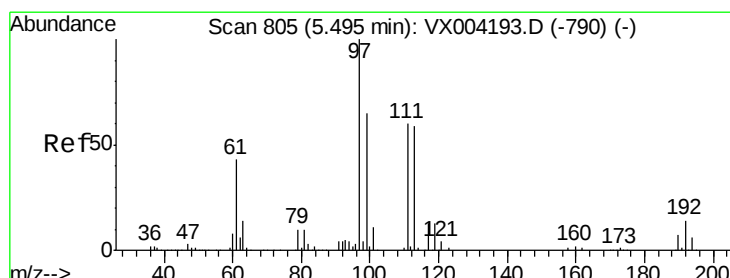
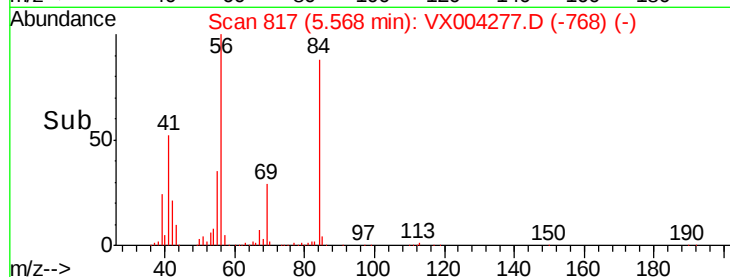
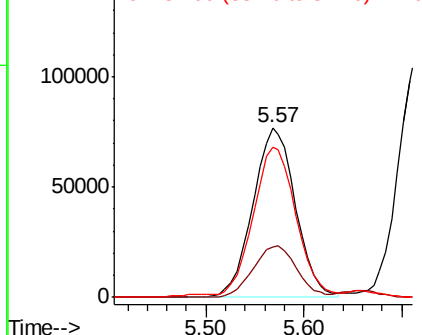
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 231677 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 29.3  | 25.4  | 38.2   |
| 84       | 87.0  | 71.4  | 107.2  |

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Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.06 ug/l

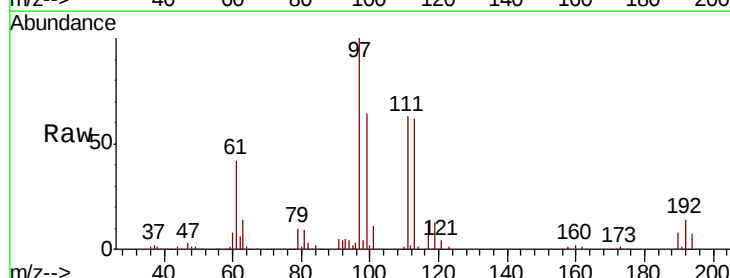
RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

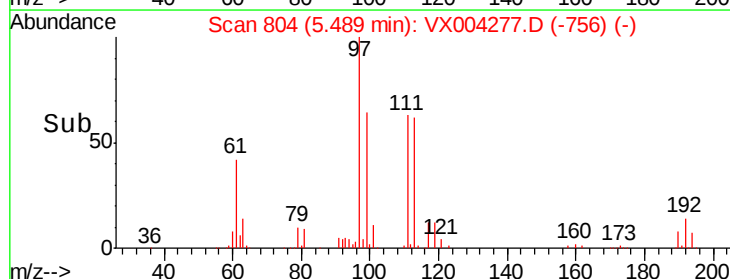
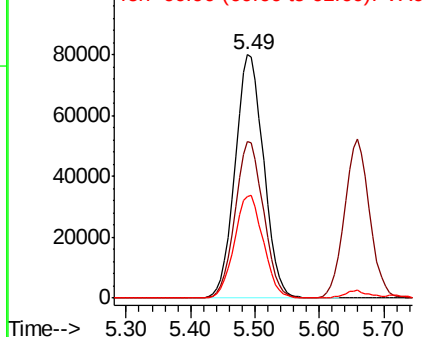
Lab File: VX004277.D

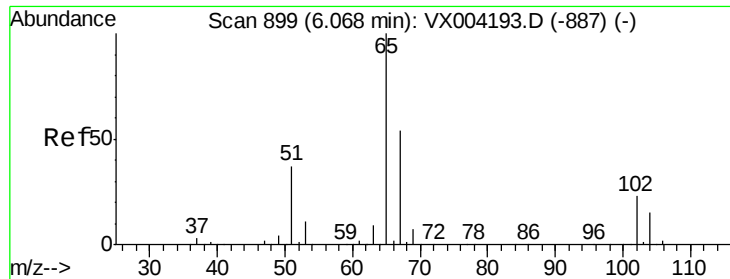
Acq: 29 Aug 2018 08:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 245272 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.0  | 52.0  | 78.0   |
| 61       | 43.0  | 34.9  | 52.3   |



Abundance Ion 96.90 (96.60 to 97.60): VX0  
Ion 98.90 (98.60 to 99.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0





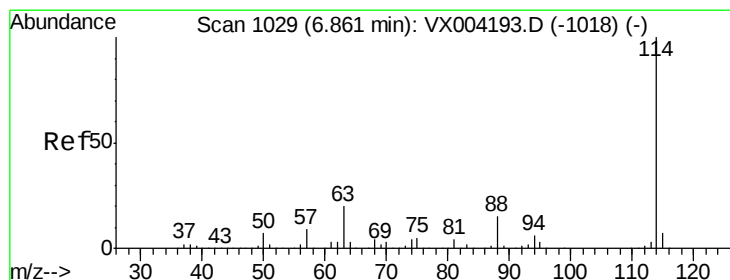
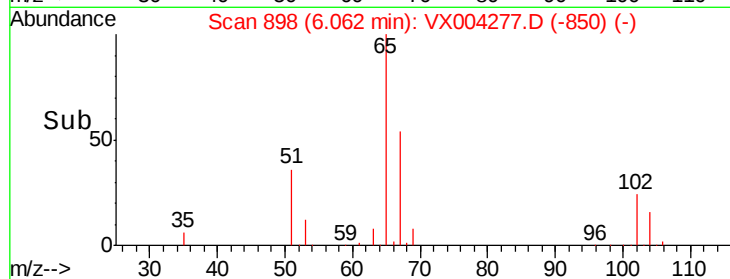
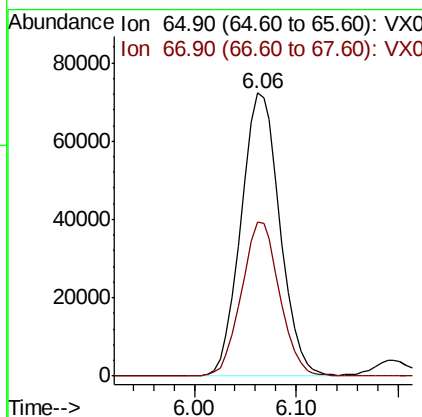
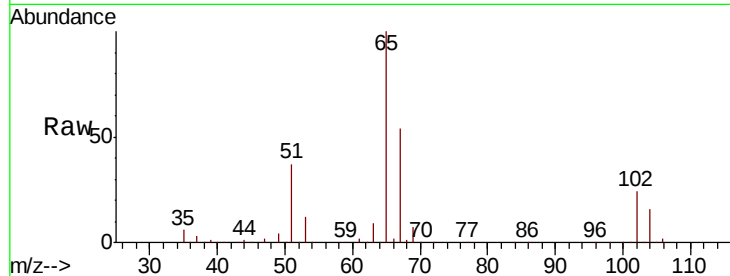
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.03 ug/l  
 RT: 6.06 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.5  | 0.0   | 106.8 |

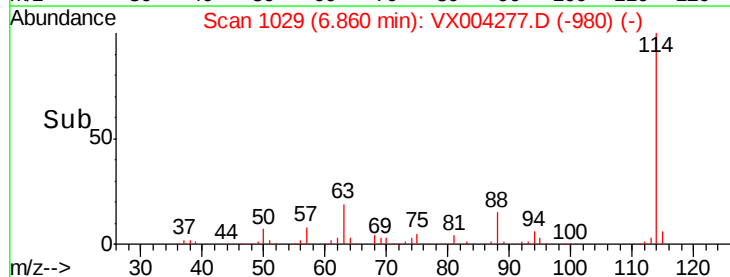
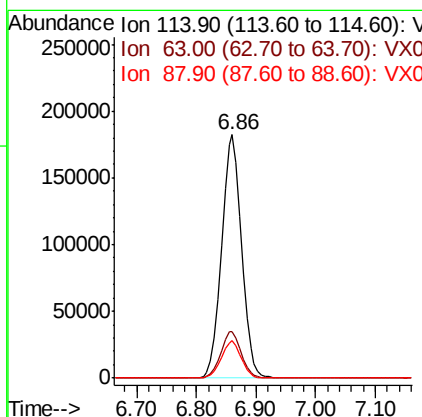
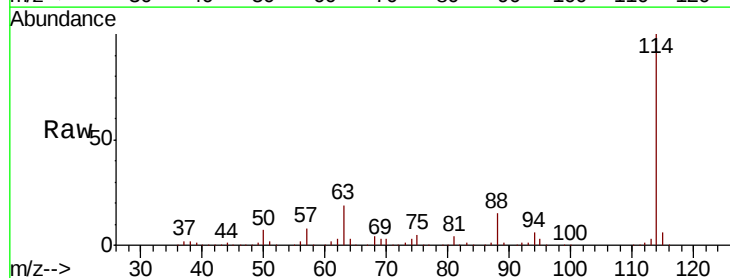
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.3  | 0.0   | 39.0  |
| 88      | 15.3  | 0.0   | 30.4  |





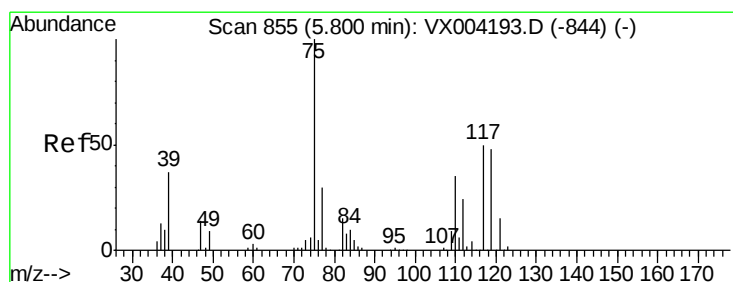
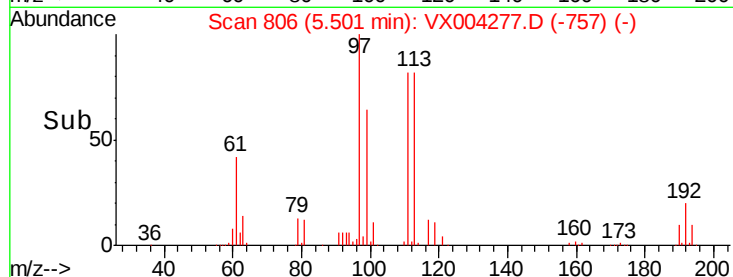
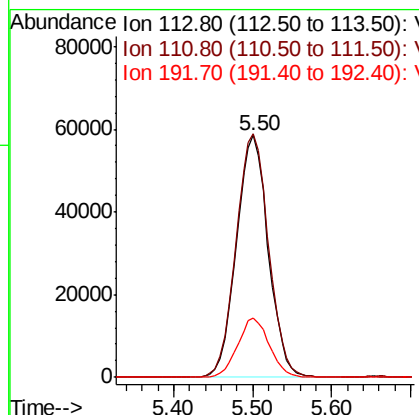
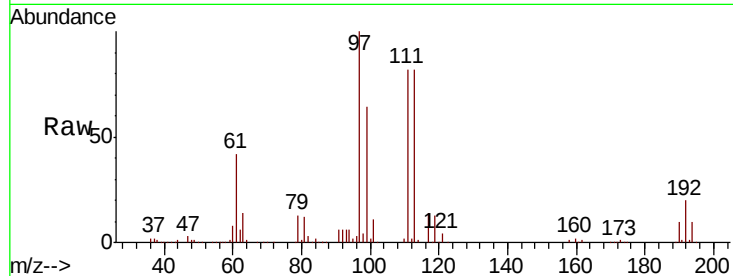
#35  
 Dibromofluoromethane  
 Concen: 51.82 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 163571 |       |       |
| 111     | 103.0 | 82.4   | 123.6 |       |
| 192     | 24.4  | 19.4   | 29.2  |       |

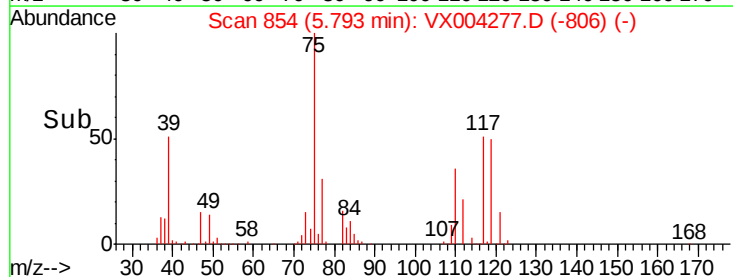
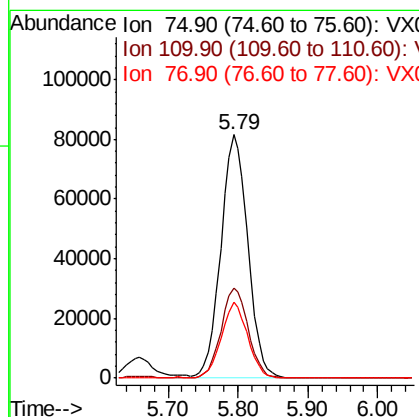
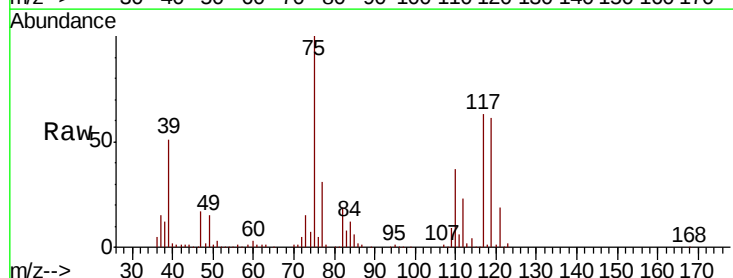
Manual Integrations  
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#36  
 1,1-Dichloropropene  
 Concen: 45.65 ug/l  
 RT: 5.79 min Scan# 854  
 Delta R.T. -0.01 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 217774 |       |       |
| 110     | 37.2  | 18.0   | 54.0  |       |
| 77      | 30.7  | 24.6   | 36.8  |       |





#37

Ethyl Acetate

Concen: 51.40 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

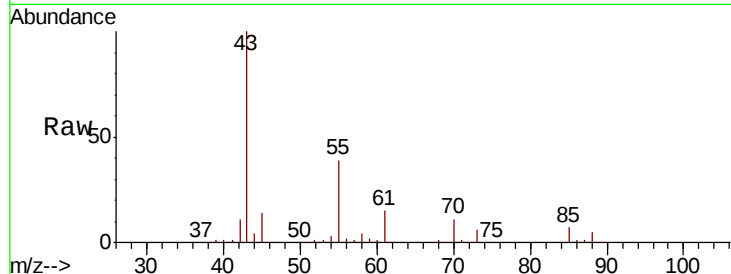
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 241115 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.6  | 11.5  | 17.3   |
| 70       | 11.3  | 9.0   | 13.6   |

Manual Integrations  
APPROVED

MMDadoda  
8/30/2018 1:38:32 PM

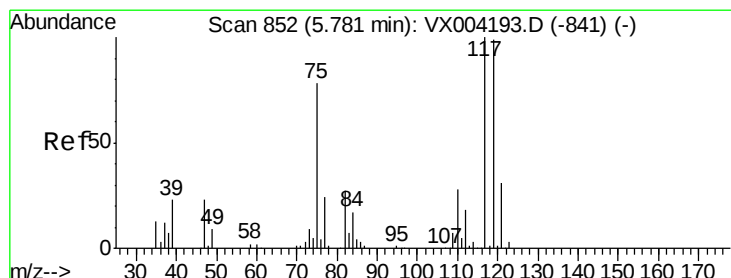
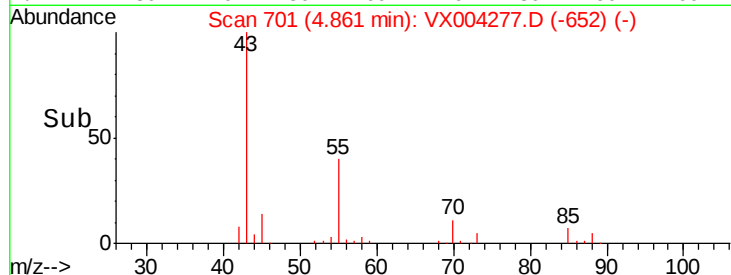
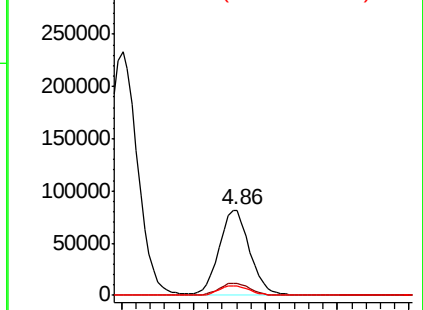


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 45.90 ug/l

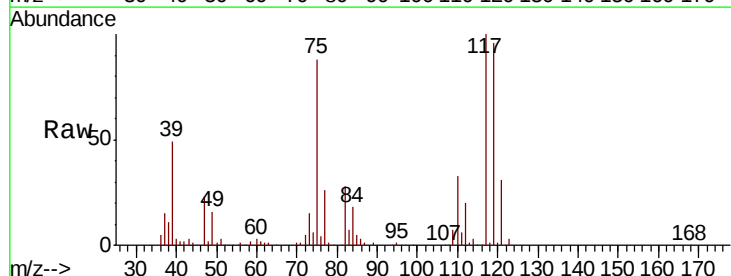
RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 205956 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.1  | 78.8  | 118.2  |
| 121      | 30.8  | 24.9  | 37.3   |

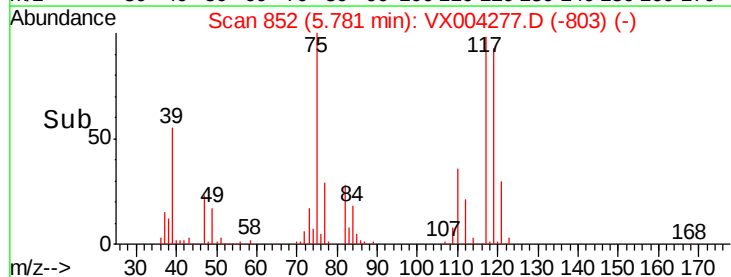
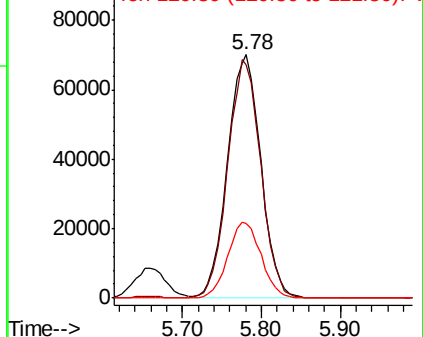


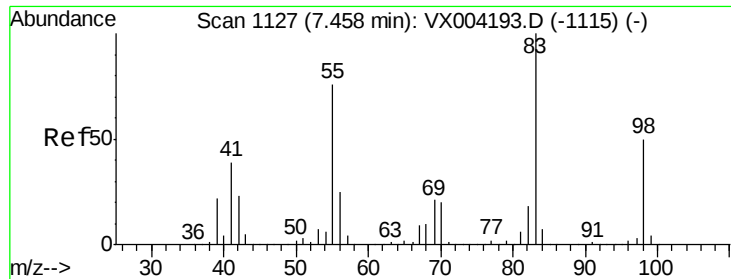
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





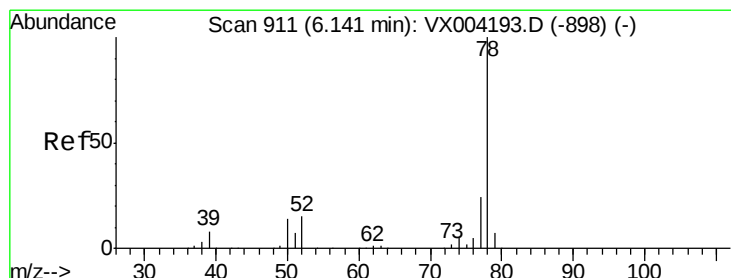
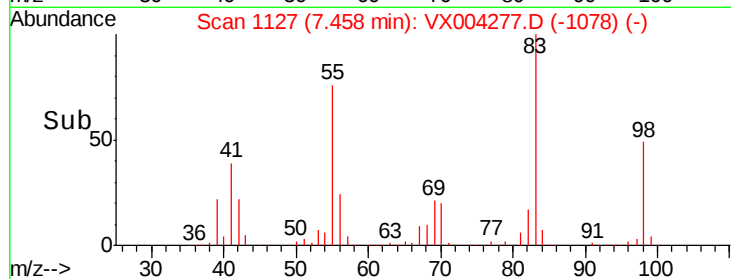
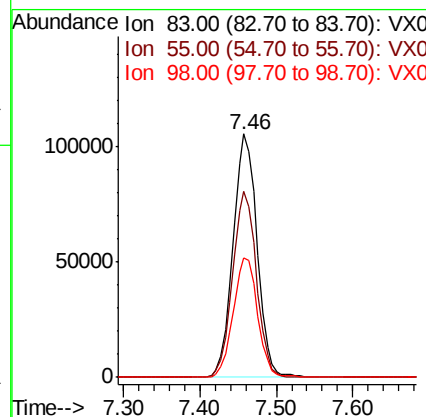
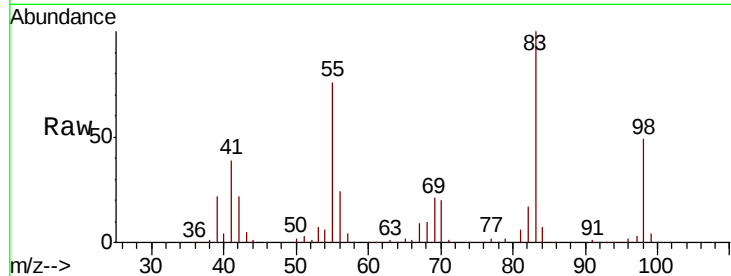
#39  
Methvlcvclohexane  
Concen: 42.09 ug/l  
RT: 7.46 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 76.3  | 61.0 | 91.4  |       |
| 98      | 48.8  | 39.6 | 59.4  |       |

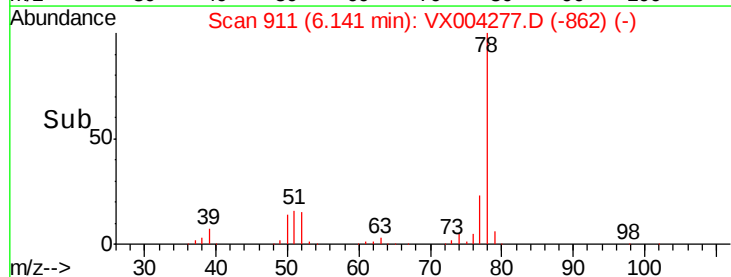
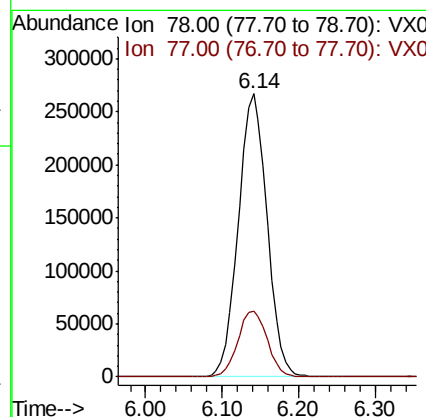
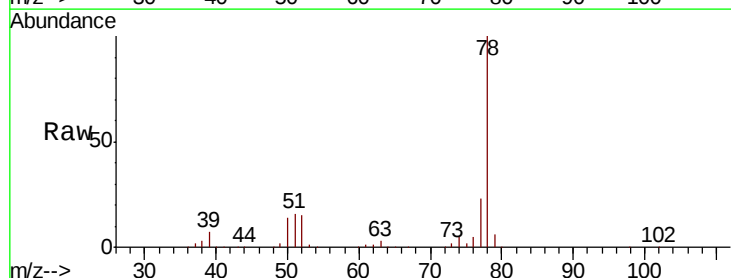
Manual Integrations  
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#40  
Benzene  
Concen: 48.78 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.4  | 19.0 | 28.4  |       |





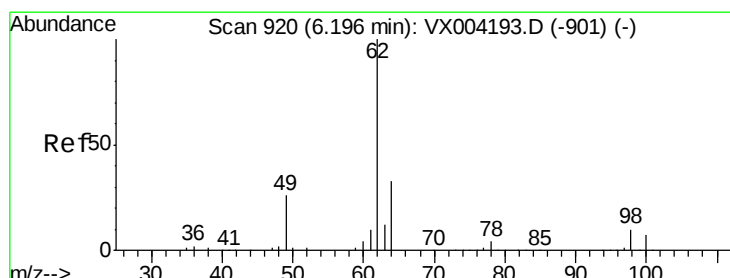
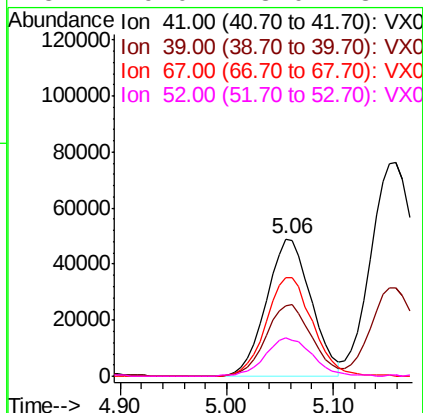
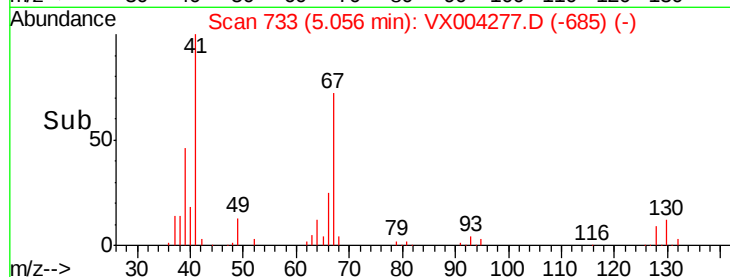
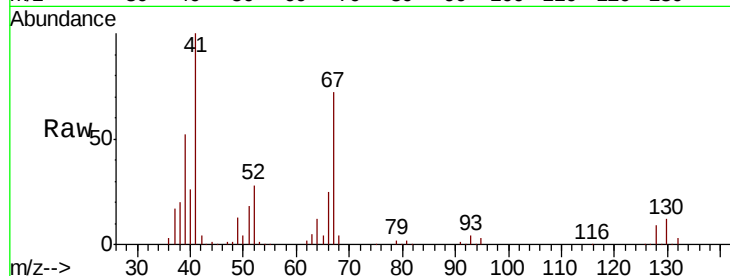
#41  
Methacrylonitrile  
Concen: 52.49 ug/l  
RT: 5.06 min Scan# 733  
Delta R.T. -0.01 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.0  | 42.4  | 63.6  |
| 67      | 74.8  | 59.2  | 88.8  |
| 52      | 29.0  | 23.0  | 34.4  |

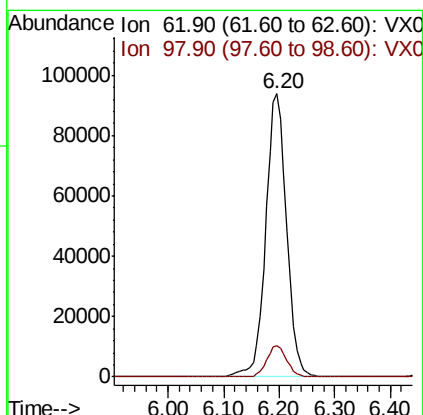
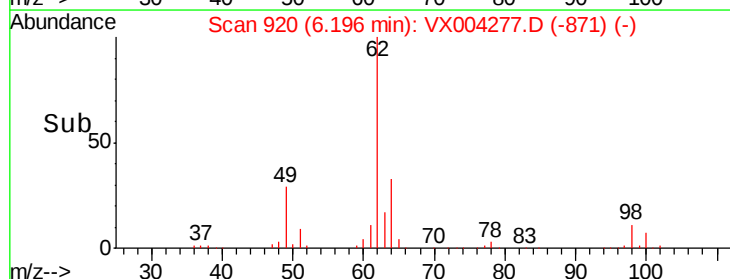
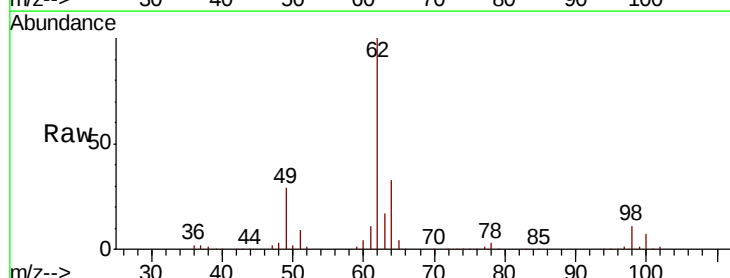
Manual Integrations  
APPROVED

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#42  
1,2-Dichloroethane  
Concen: 50.30 ug/l  
RT: 6.20 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.6  | 0.0   | 20.6  |





#43

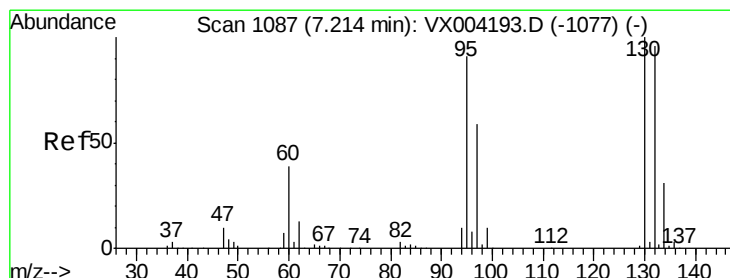
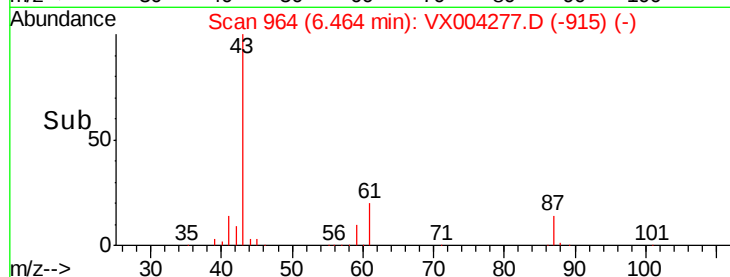
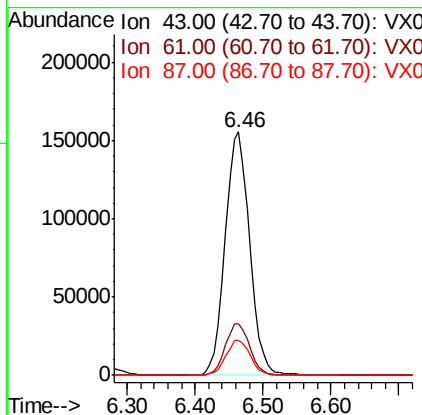
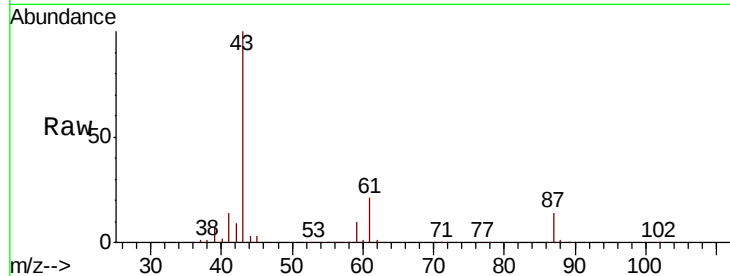
Isopropyl Acetate  
 Concen: 53.58 ug/l  
 RT: 6.46 min Scan# 964  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.5  | 17.0  | 25.4  |
| 87      | 14.5  | 11.4  | 17.2  |

Manual Integrations  
 APPROVED

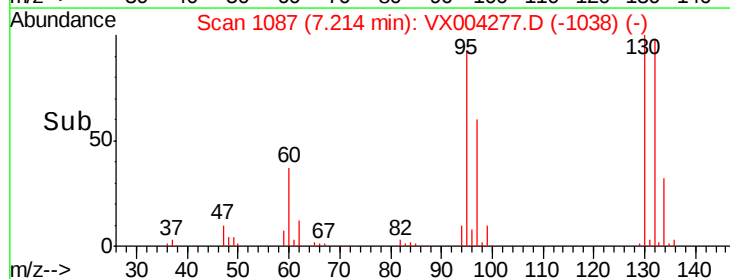
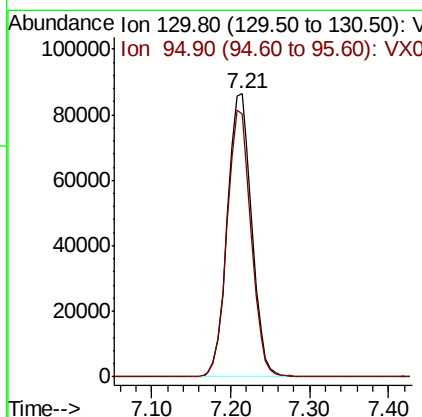
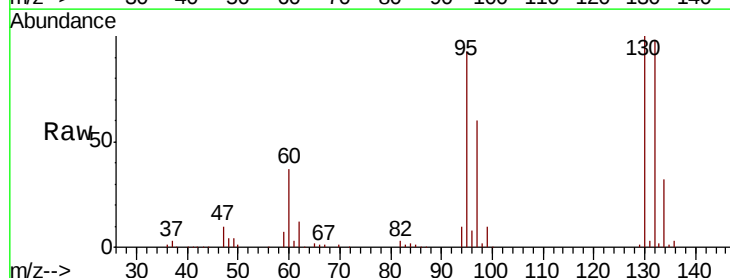
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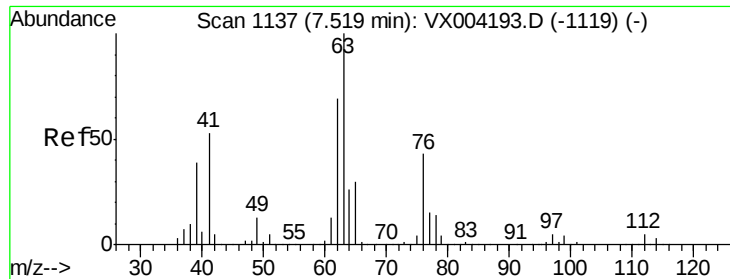


#44

Trichloroethene  
 Concen: 47.16 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.9  | 0.0   | 181.6 |





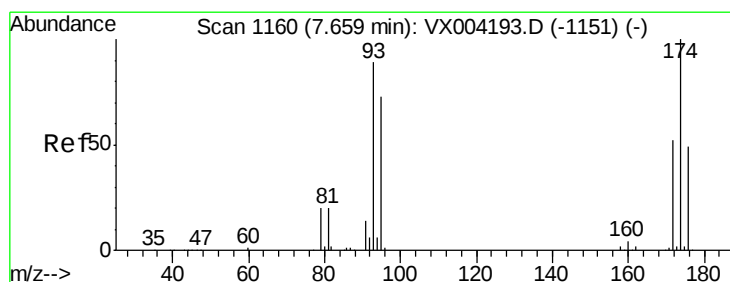
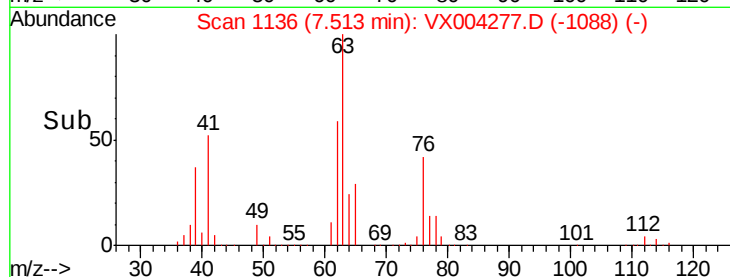
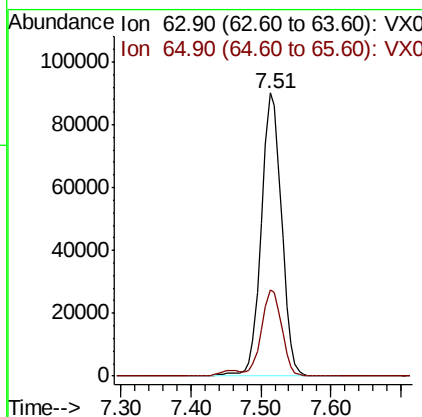
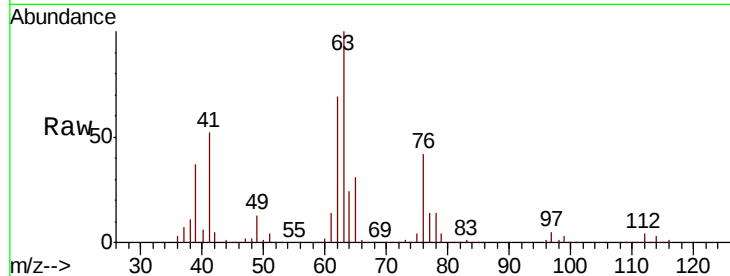
#45  
 1,2-Dichloropropane  
 Concen: 51.13 ug/l  
 RT: 7.51 min Scan# 1136  
 Delta R.T. -0.01 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.6  | 24.3  | 36.5  |

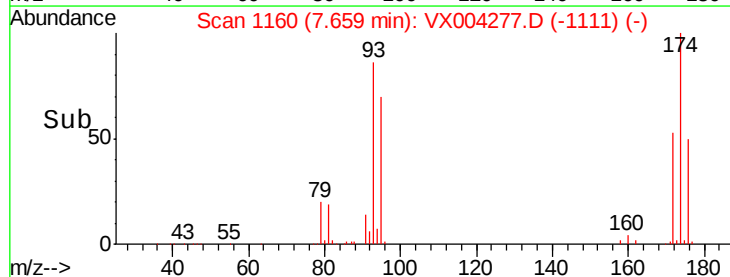
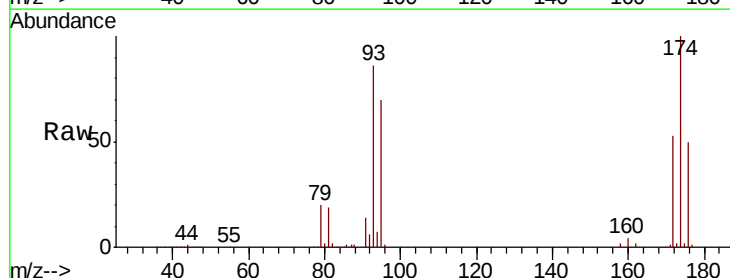
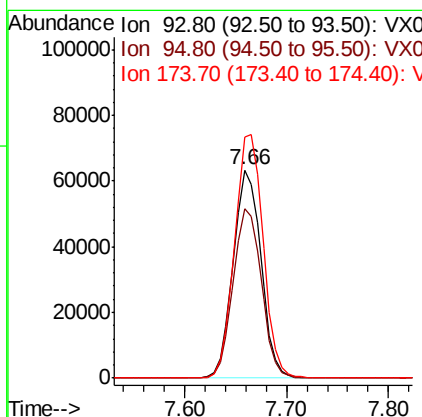
Manual Integrations  
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#46  
 Dibromomethane  
 Concen: 50.36 ug/l  
 RT: 7.66 min Scan# 1160  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.9  | 65.5  | 98.3  |
| 174     | 119.9 | 94.2  | 141.4 |





#47

Bromodichloromethane

Concen: 51.80 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

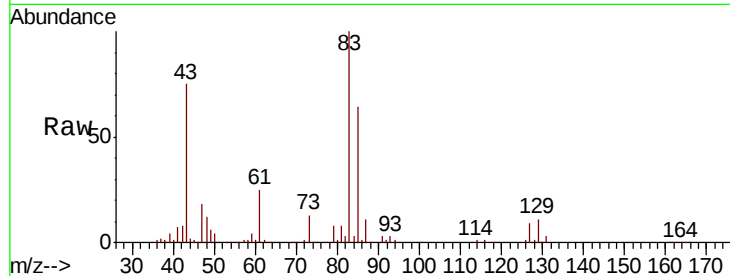
ClientSampleId :

VSTDCCC050

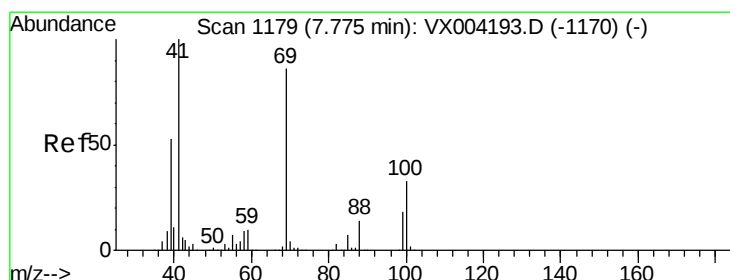
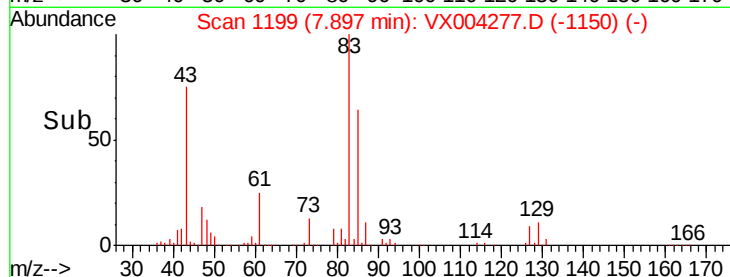
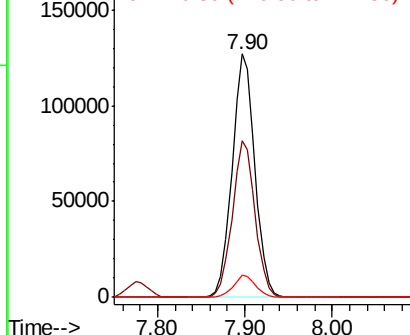
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 228921 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.1  | 50.9  | 76.3   |
| 127       | 9.1   | 7.3   | 10.9   |

Manual Integrations  
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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: 53.46 ug/l

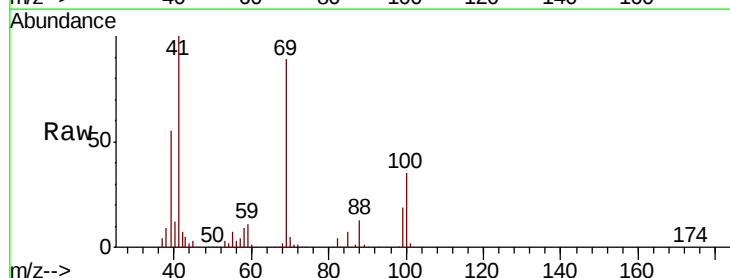
RT: 7.77 min Scan# 1179

Delta R.T. -0.00 min

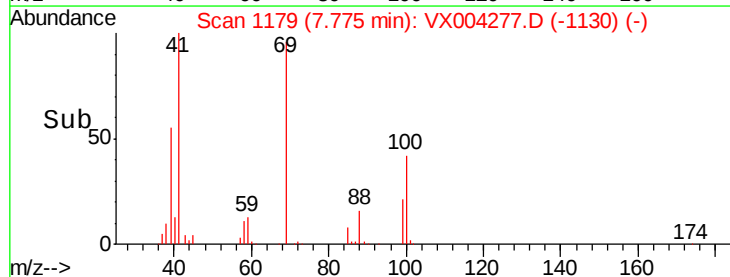
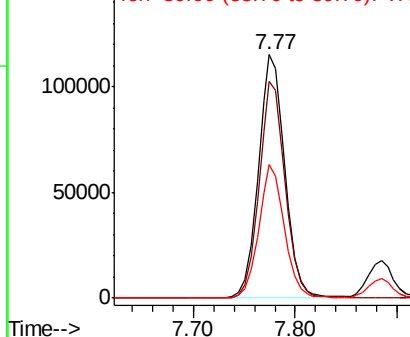
Lab File: VX004277.D

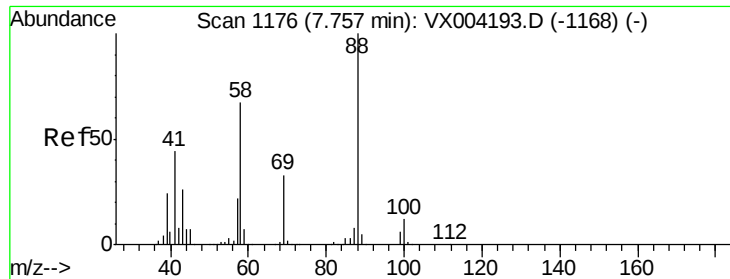
Acq: 29 Aug 2018 08:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 206203 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 88.6  | 70.2  | 105.4  |
| 39        | 53.5  | 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





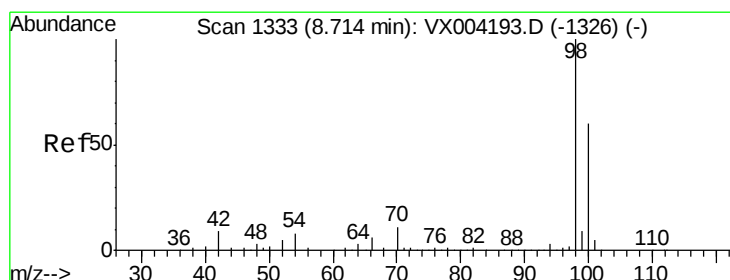
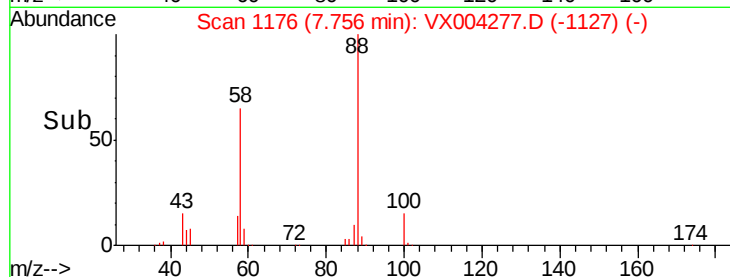
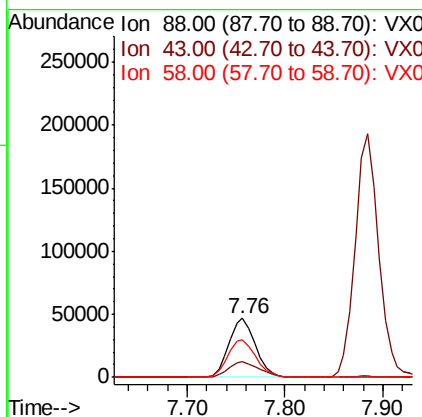
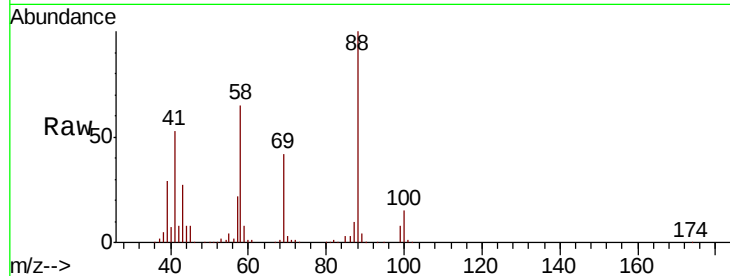
#49  
1,4-Dioxane  
Concen: 1010.01 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.5  | 24.7  | 37.1  |
| 58      | 68.0  | 55.3  | 82.9  |

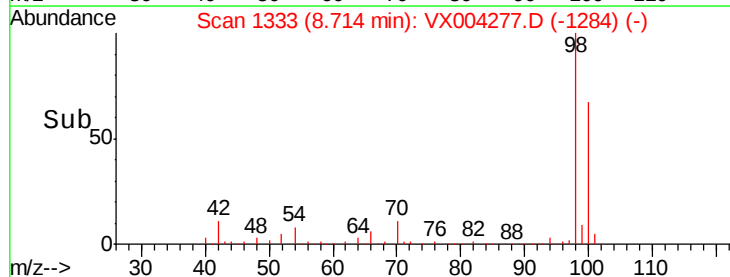
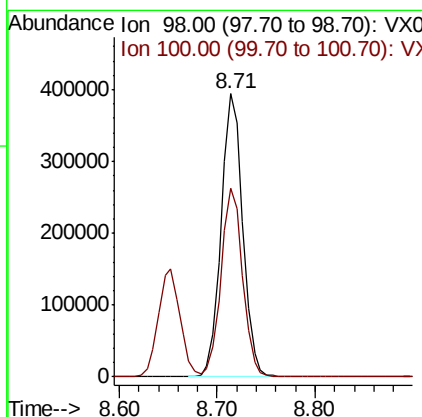
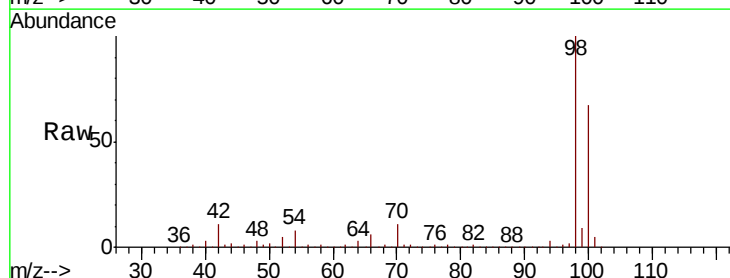
Manual Integrations  
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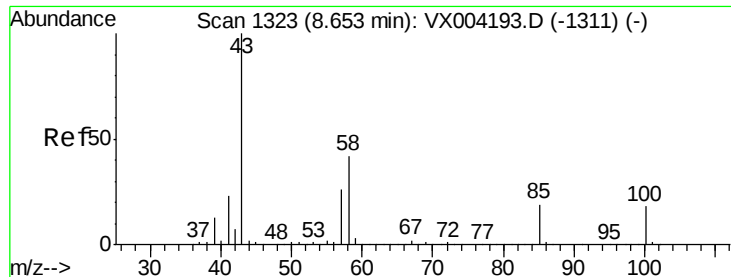
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.48 ug/l  
RT: 8.71 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.7  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 250.23 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1310584

Ion Ratio Lower Upper

43 100

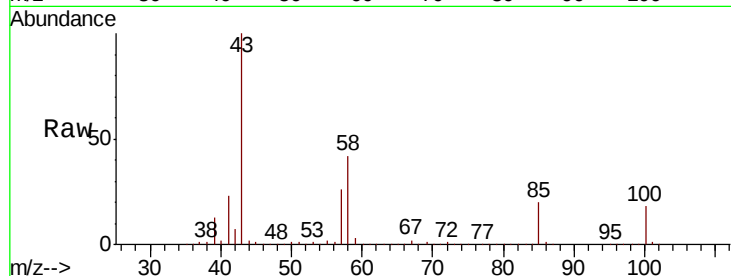
58 41.8 33.1 49.7

Manual Integrations

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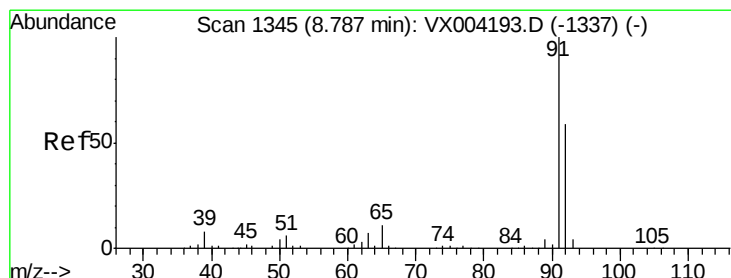
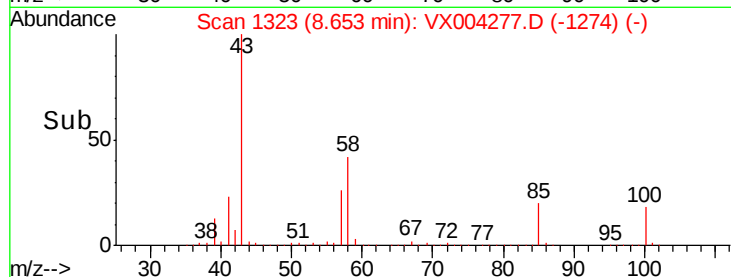
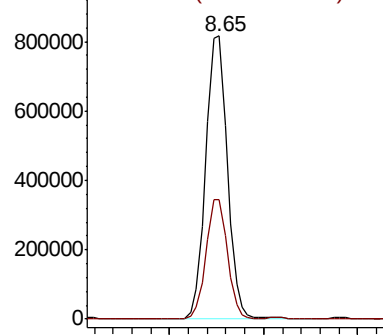
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.79 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004277.D

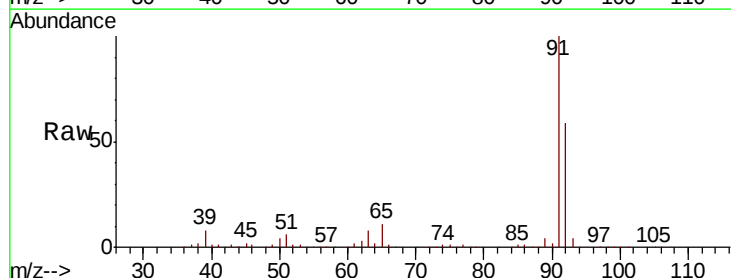
Acq: 29 Aug 2018 08:08

Tgt Ion: 92 Resp: 444215

Ion Ratio Lower Upper

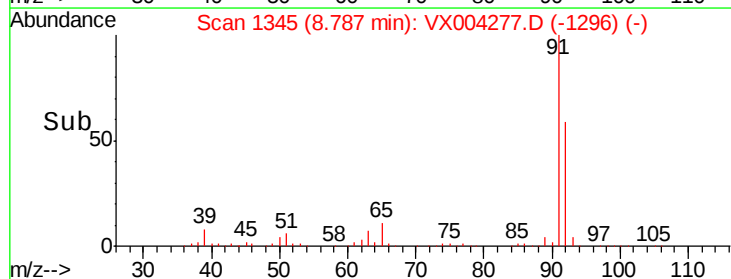
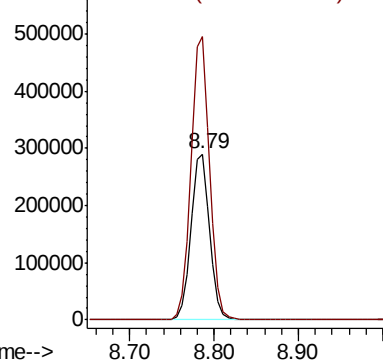
92 100

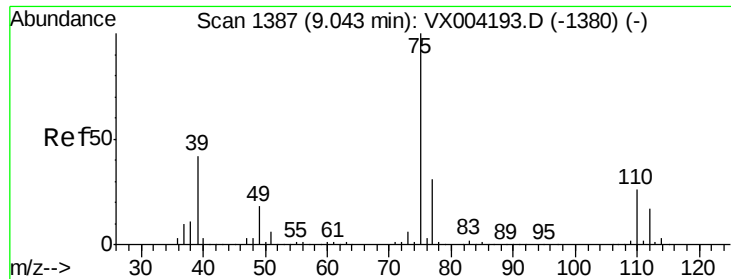
91 170.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





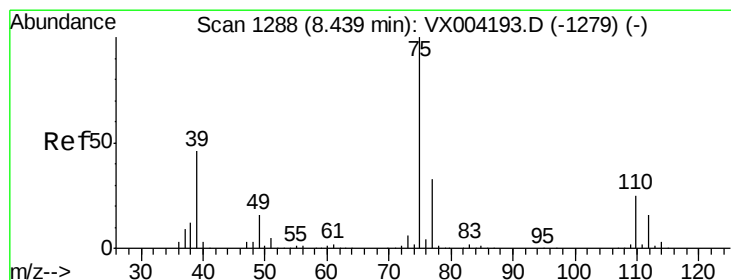
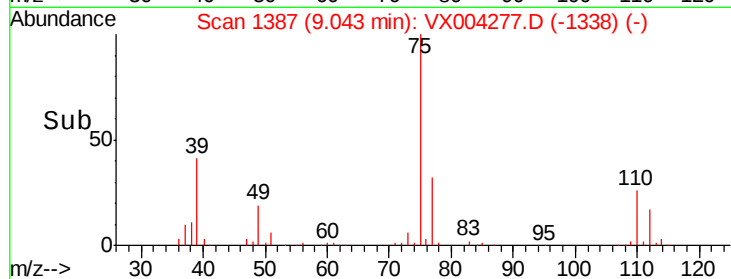
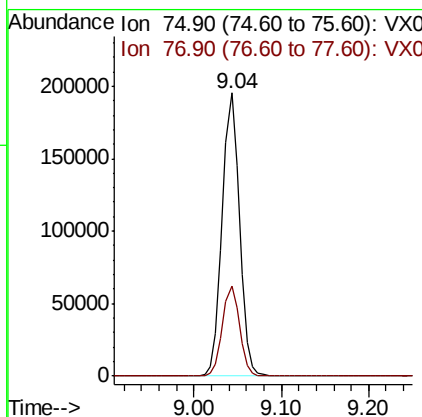
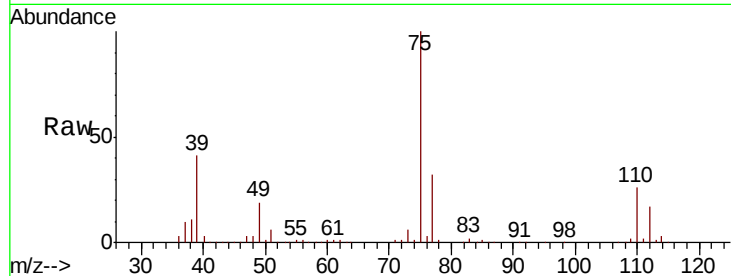
#53  
t-1,3-Dichloropropene  
Concen: 54.86 ug/l  
RT: 9.04 min Scan# 1387  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 267819  
Ion Ratio Lower Upper  
75 100  
77 32.0 24.6 37.0

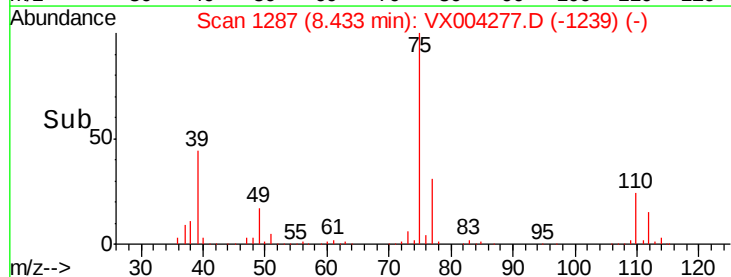
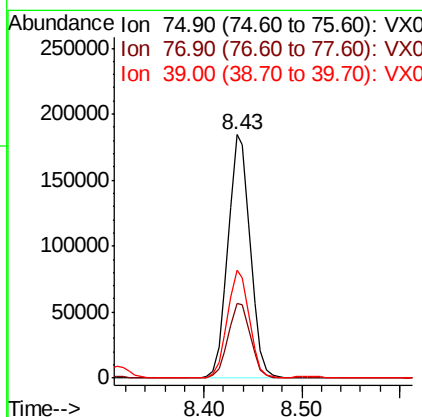
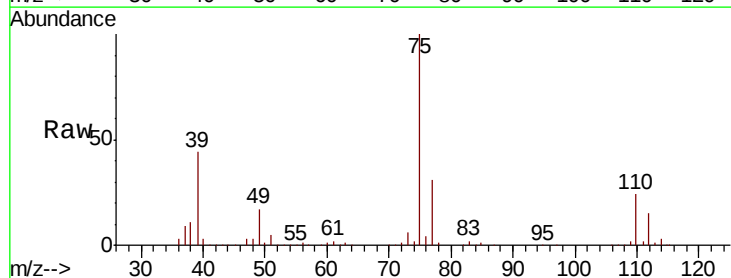
Manual Integrations  
APPROVED

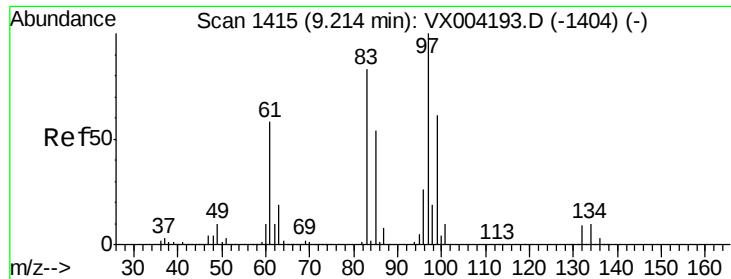
MMDadoda  
8/30/2018 1:38:32 PM



#54  
cis-1,3-Dichloropropene  
Concen: 54.60 ug/l  
RT: 8.43 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Tgt Ion: 75 Resp: 290313  
Ion Ratio Lower Upper  
75 100  
77 30.8 26.2 39.2  
39 44.3 36.4 54.6





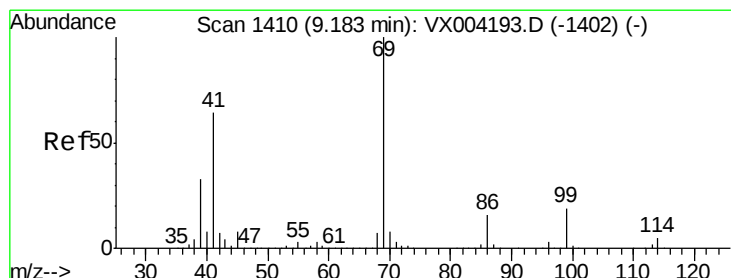
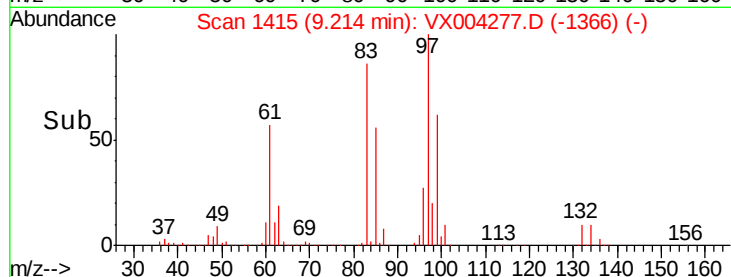
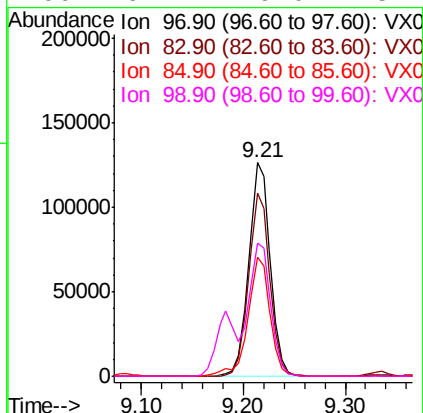
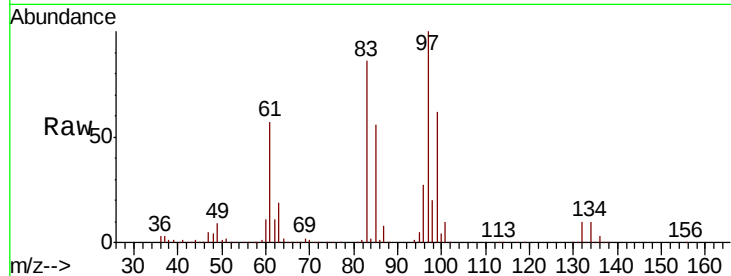
#55  
 1,1,2-Trichloroethane  
 Concen: 51.61 ug/l  
 RT: 9.21 min Scan# 1415  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 185873 |       |       |
| 83      | 86.0  | 66.4   | 99.6  |       |
| 85      | 56.0  | 43.3   | 64.9  |       |
| 99      | 62.4  | 49.0   | 73.4  |       |

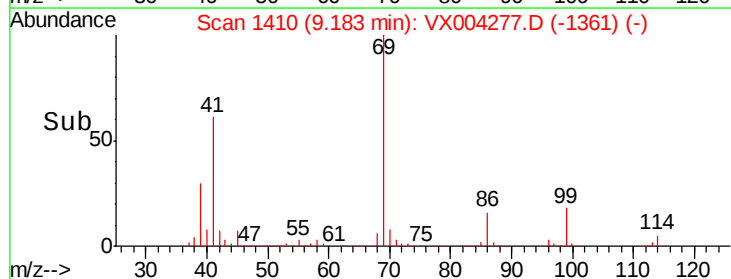
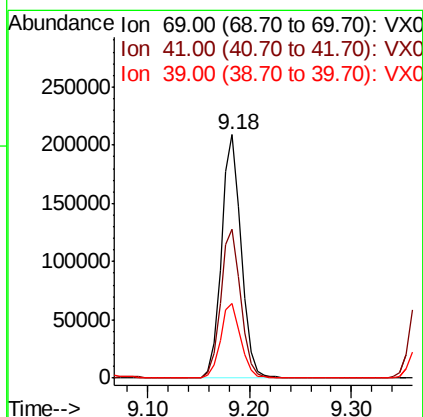
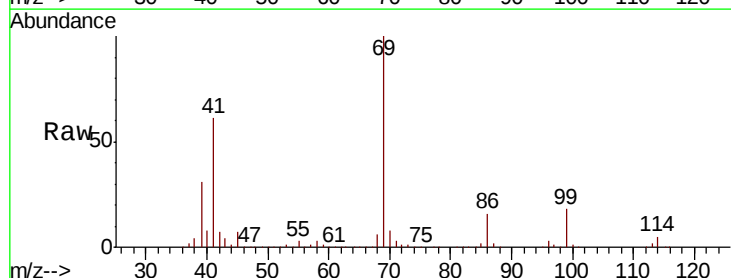
Manual Integrations  
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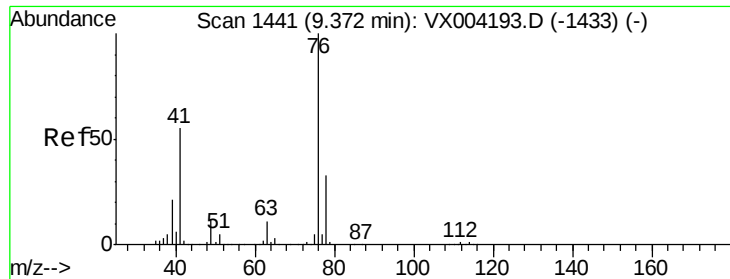
MMDadoda  
 8/30/2018 1:38:32 PM



#56  
 Ethyl methacrylate  
 Concen: 57.38 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 281348 |       |       |
| 41      | 62.4  | 51.0   | 76.4  |       |
| 39      | 31.3  | 26.1   | 39.1  |       |





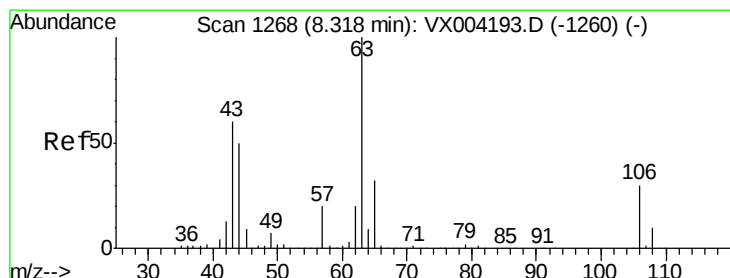
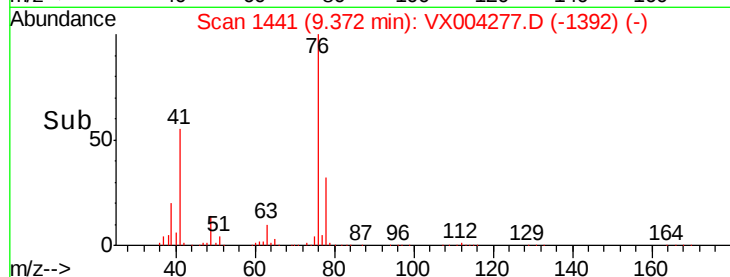
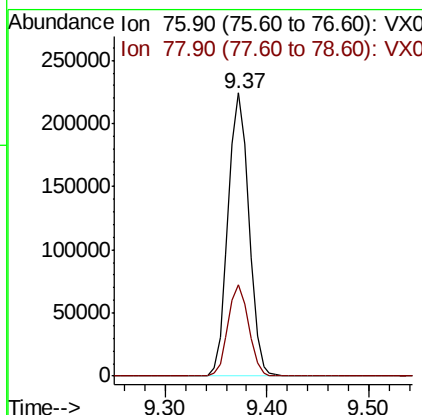
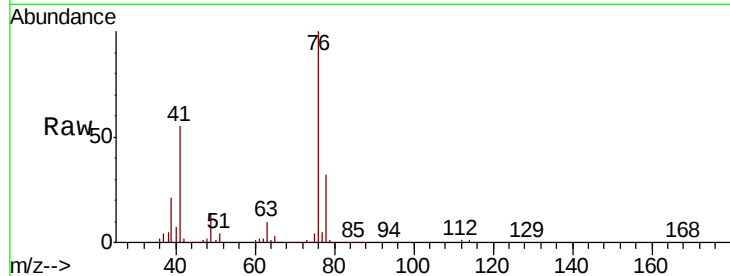
#57  
 1,3-Dichloropropane  
 Concen: 52.06 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.2  | 25.5  | 38.3  |

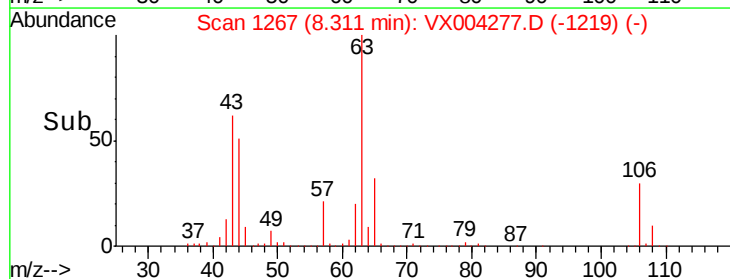
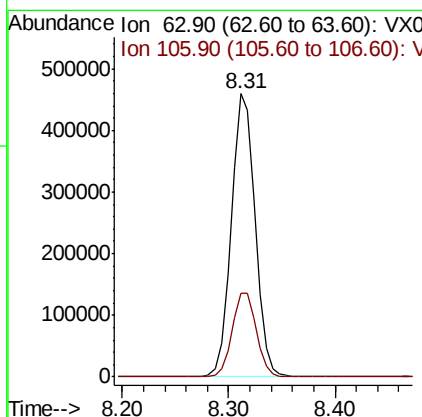
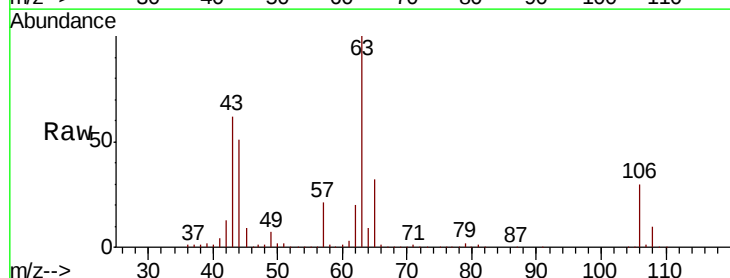
Manual Integrations  
 APPROVED

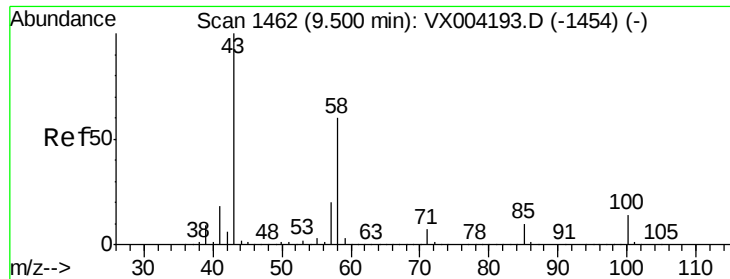
MMDadoda  
 8/30/2018 1:38:32 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 285.50 ug/l  
 RT: 8.31 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.3  | 23.9  | 35.9  |





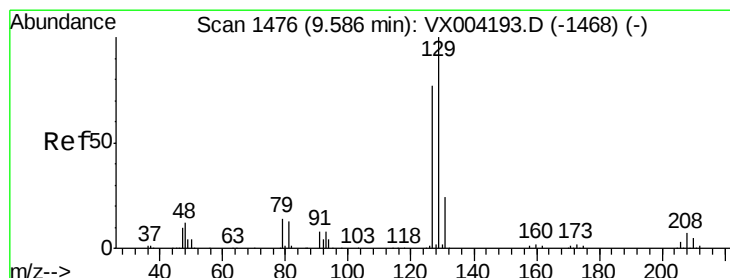
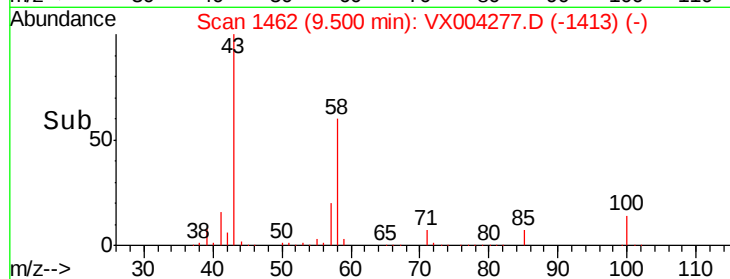
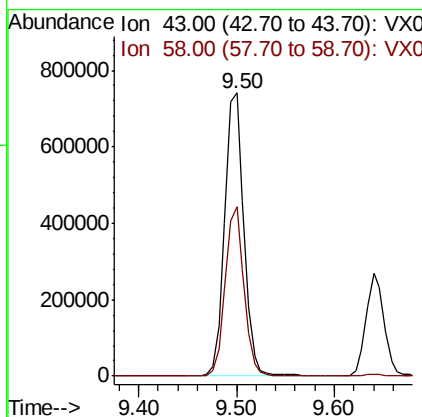
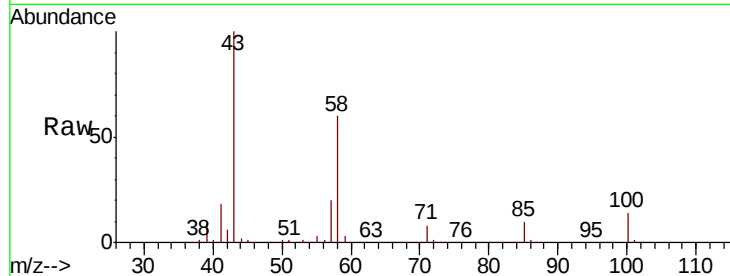
#59  
 2-Hexanone  
 Concen: 252.66 ug/l  
 RT: 9.50 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1009588  
 Ion Ratio Lower Upper  
 43 100  
 58 58.5 29.0 87.0

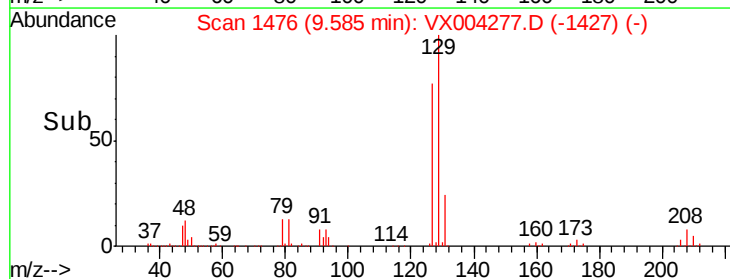
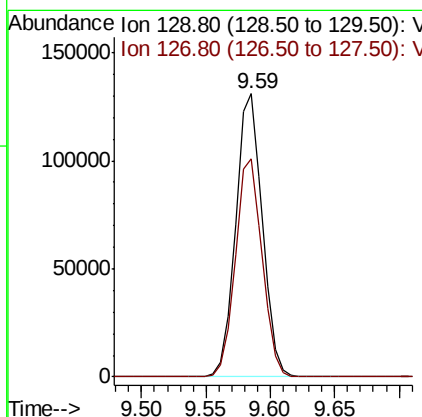
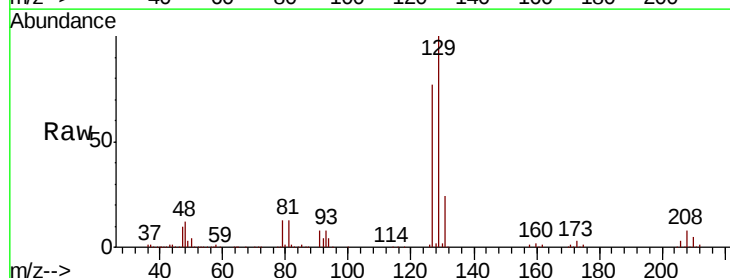
Manual Integrations  
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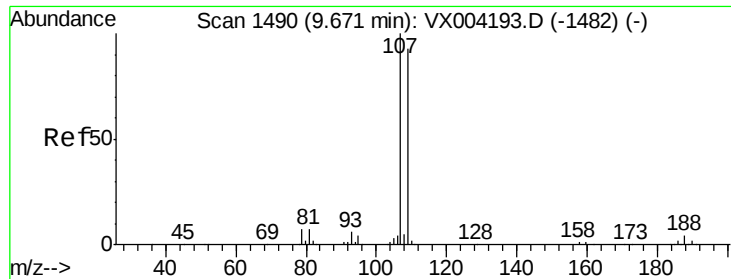
MMDadoda  
 8/30/2018 1:38:32 PM



#60  
 Dibromochloromethane  
 Concen: 53.45 ug/l  
 RT: 9.59 min Scan# 1476  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Tgt Ion: 129 Resp: 187556  
 Ion Ratio Lower Upper  
 129 100  
 127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.36 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 195154

Ion Ratio Lower Upper

107 100

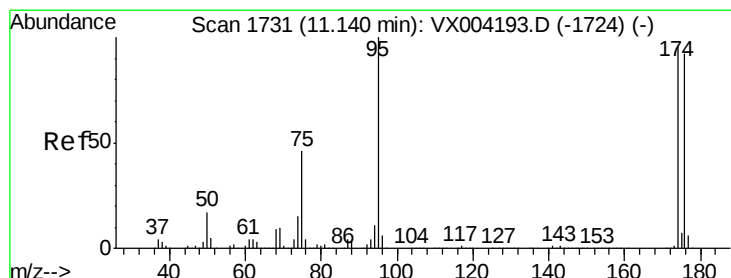
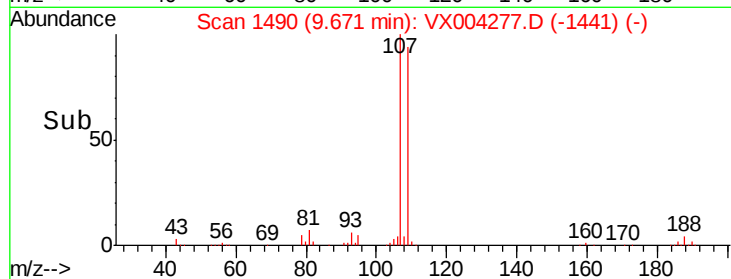
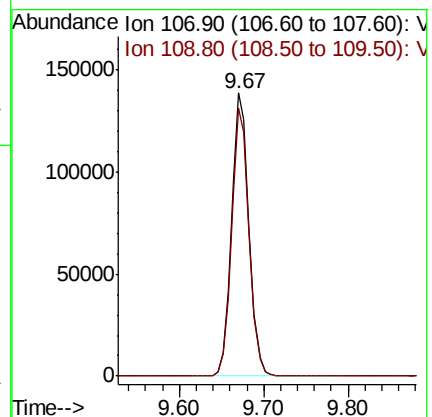
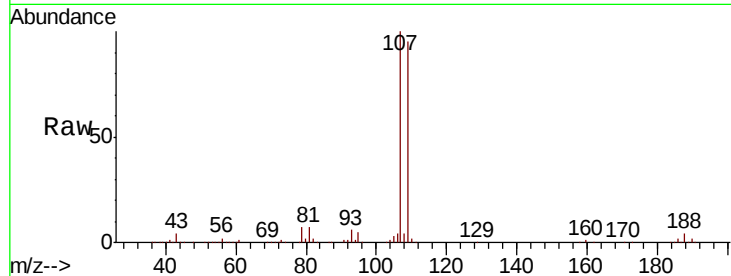
109 94.5 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

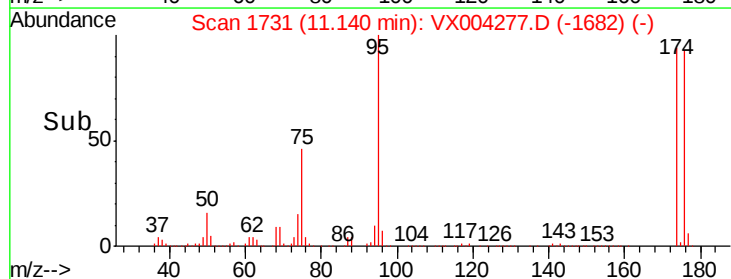
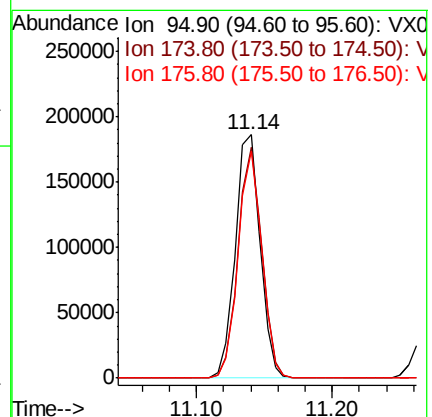
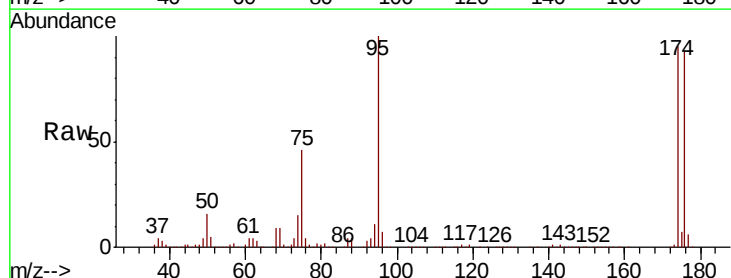
Tgt Ion: 95 Resp: 237320

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

176 89.1 0.0 178.6





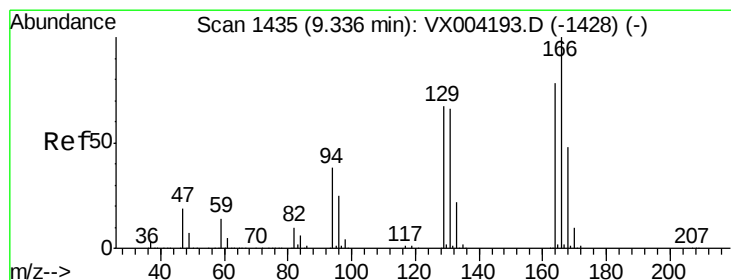
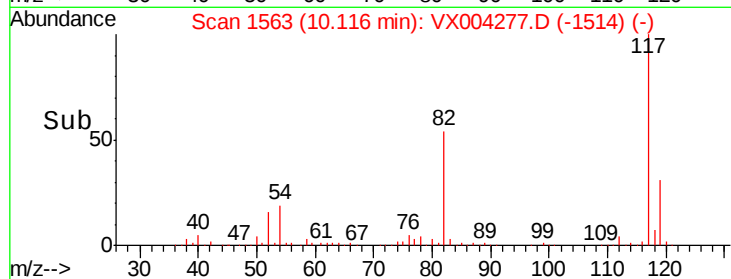
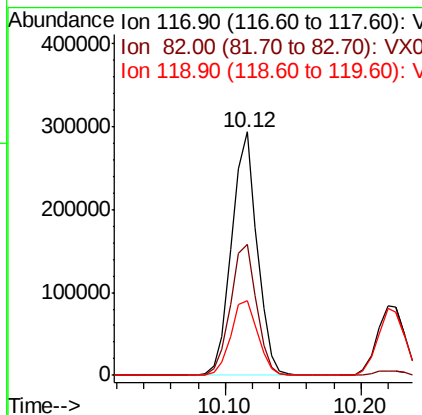
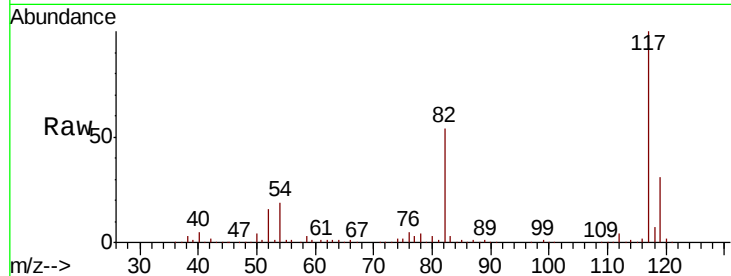
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 47.8  | 71.6  |
| 119     | 30.9  | 29.3  | 43.9  |

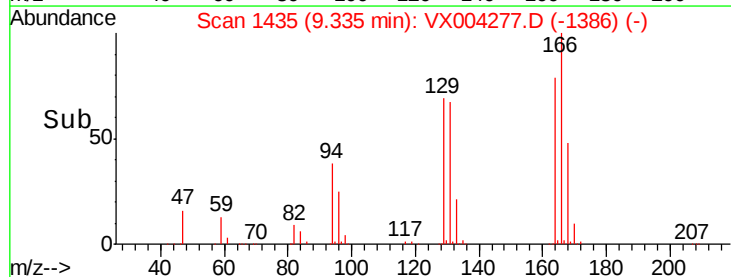
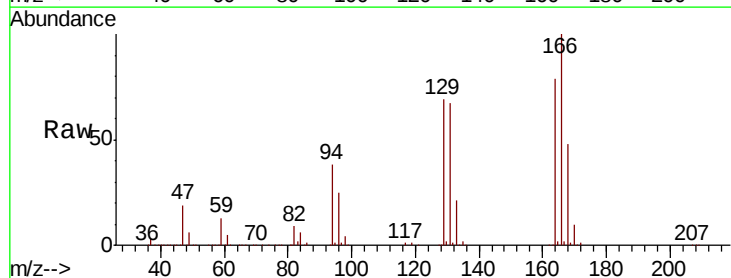
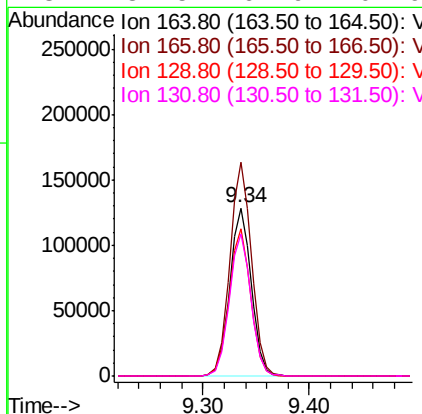
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#64  
Tetrachloroethene  
Concen: 48.11 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.0 | 102.8 | 154.2 |
| 129     | 87.2  | 69.4  | 104.0 |
| 131     | 84.5  | 67.9  | 101.9 |





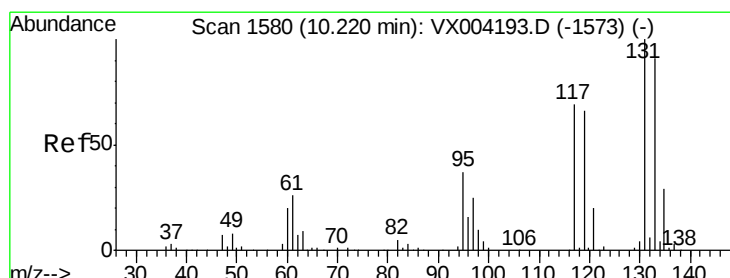
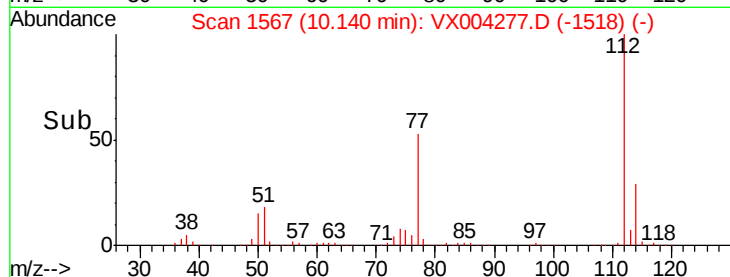
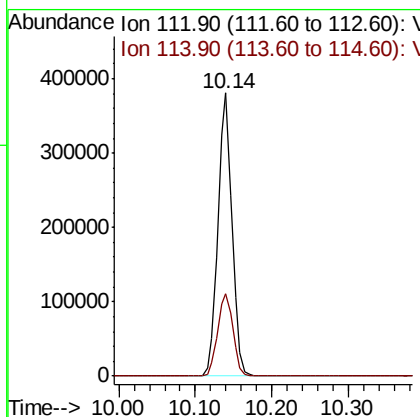
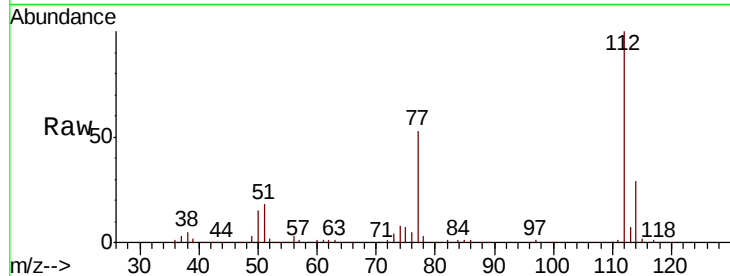
#65  
Chlorobenzene  
Concen: 50.32 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 484018  
Ion Ratio Lower Upper  
112 100  
114 29.3 27.8 41.8

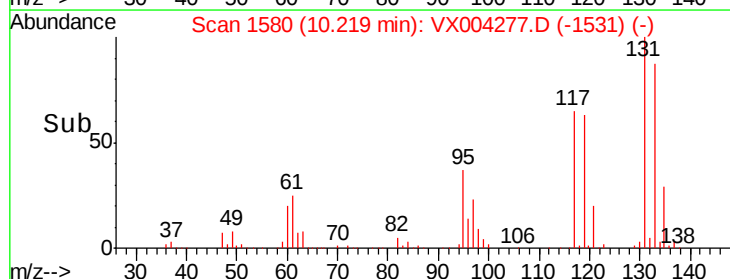
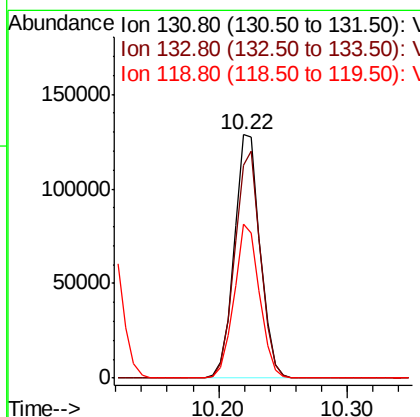
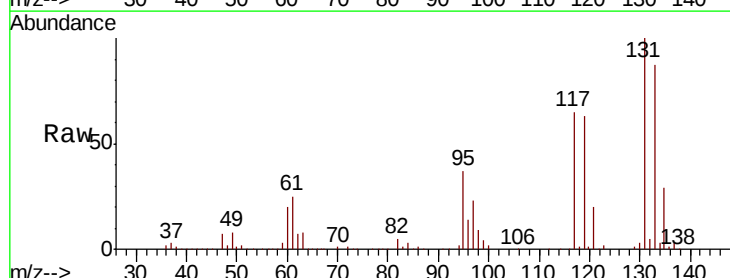
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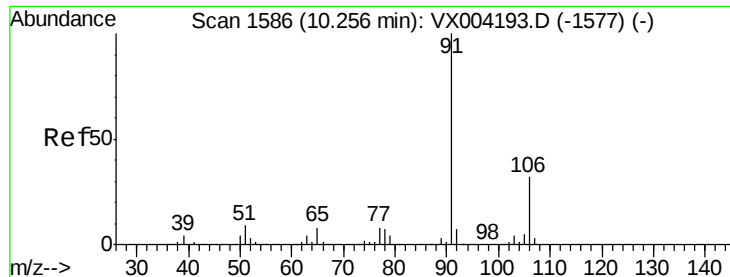
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.02 ug/l  
RT: 10.22 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Tgt Ion:131 Resp: 179211  
Ion Ratio Lower Upper  
131 100  
133 92.9 48.1 144.4  
119 62.4 32.9 98.6





#67

Ethyl Benzene

Concen: 52.27 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 816557

Ion Ratio Lower Upper

91 100

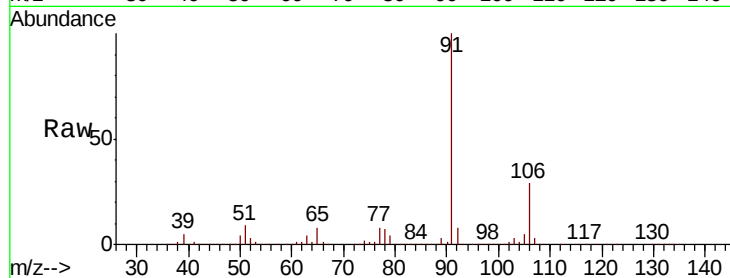
106 29.3 25.9 38.9

Manual Integrations

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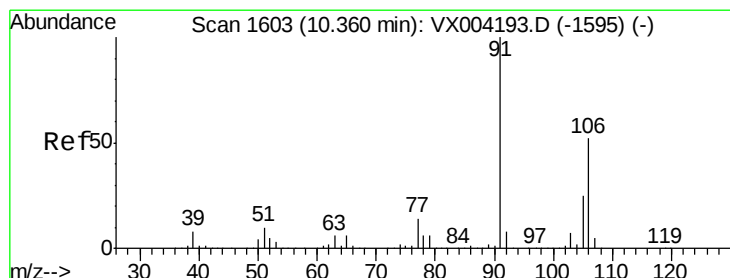
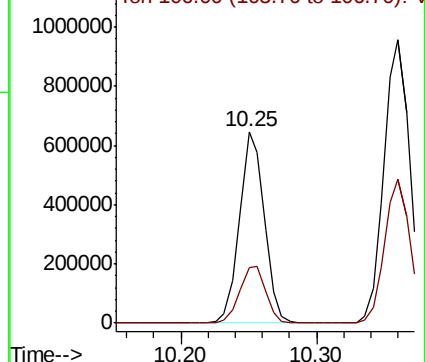
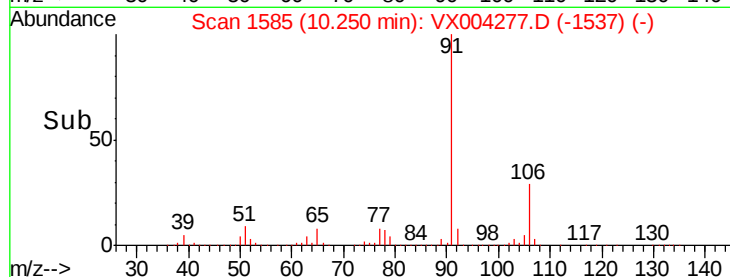
MMDadoda

8/30/2018 1:38:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX004193.D (-1577) (-)



#68

m/p-Xylenes

Concen: 104.59 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004277.D

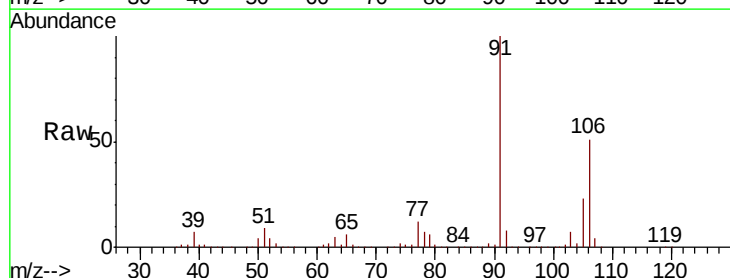
Acq: 29 Aug 2018 08:08

Tgt Ion: 106 Resp: 638871

Ion Ratio Lower Upper

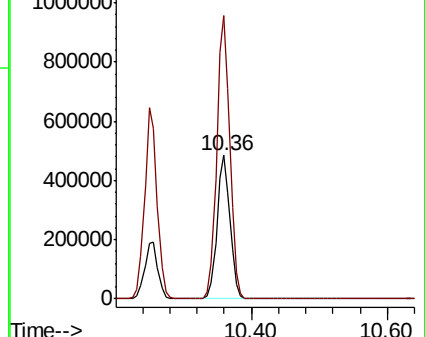
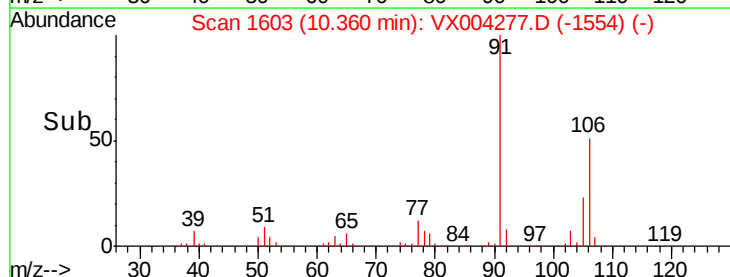
106 100

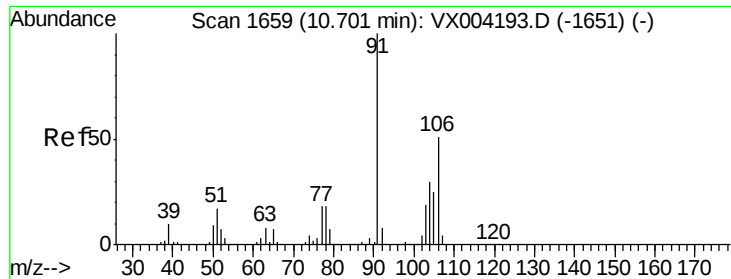
91 198.8 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004193.D (-1595) (-)

Ion 91.00 (90.70 to 91.70): VX004193.D (-1595) (-)





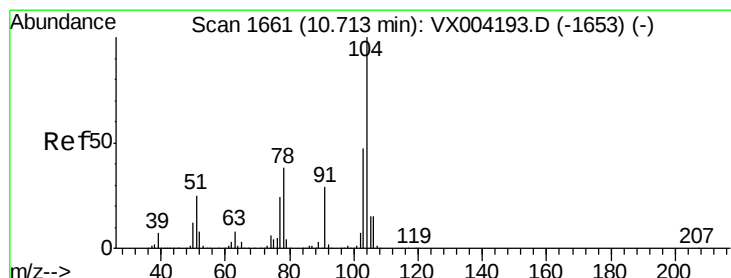
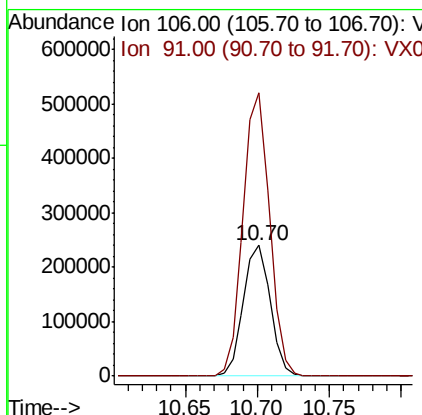
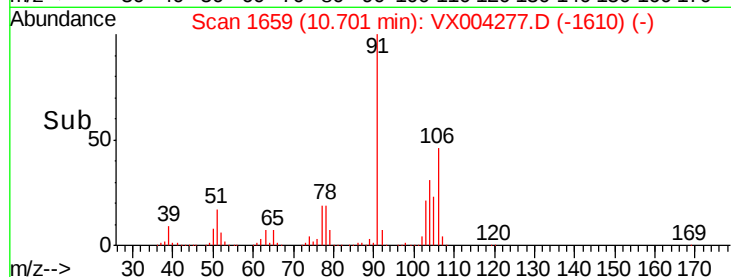
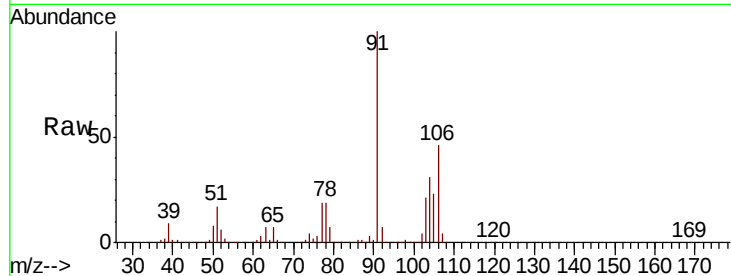
#69  
o-Xylene  
Concen: 53.99 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 214.3 | 105.1 | 311961 |       | 315.1 |

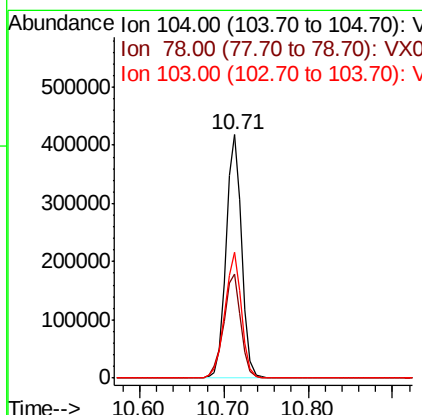
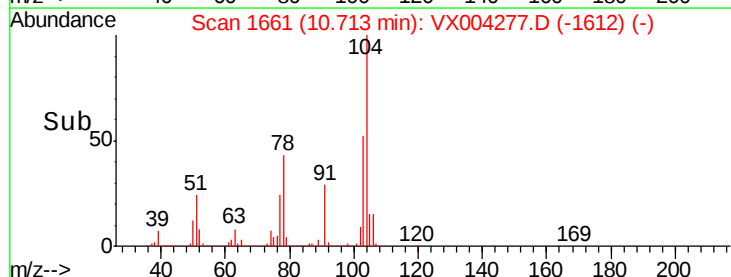
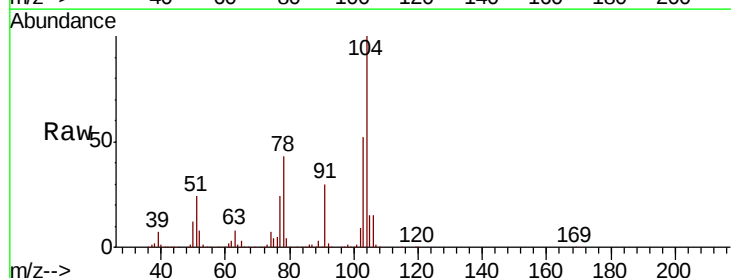
Manual Integrations  
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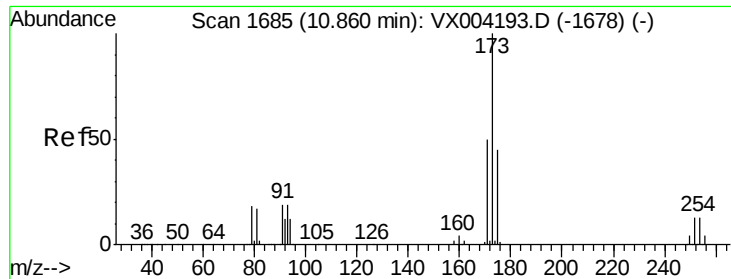
MMDadoda  
8/30/2018 1:38:32 PM



#70  
Styrene  
Concen: 57.08 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       |        |       |       |
| 78      | 47.1 | 37.4  | 534032 |       | 56.0  |
| 103     | 55.0 | 43.8  |        |       | 65.6  |





#71

Bromoform

Concen: 54.57 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

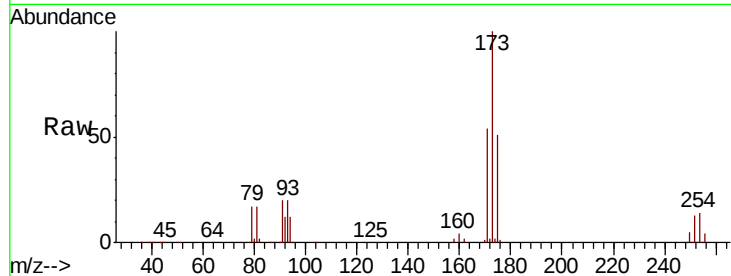
ClientSampleId :

VSTDCCC050

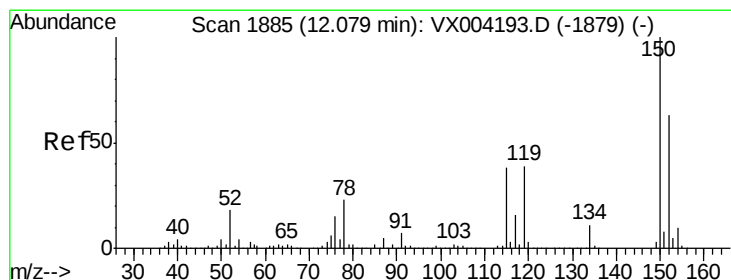
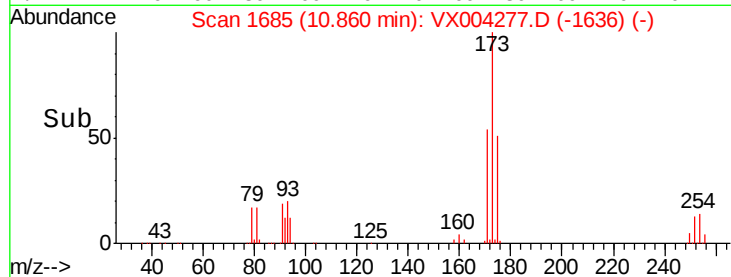
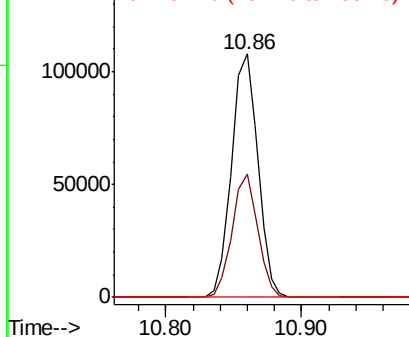
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 145931 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 49.3  | 24.1  | 72.3   |
| 254       | 0.2   | 0.2   | 0.2    |

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

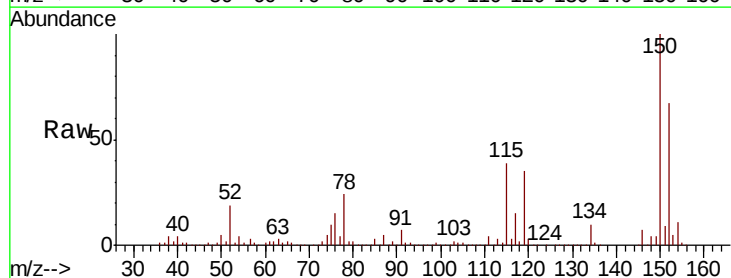
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

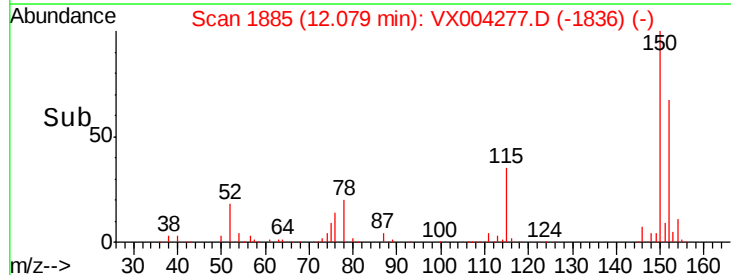
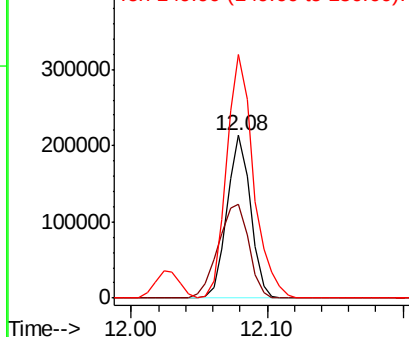
Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 255258 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 75.6  | 39.0  | 117.0  |
| 150       | 172.2 | 0.0   | 351.0  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.89 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 836451

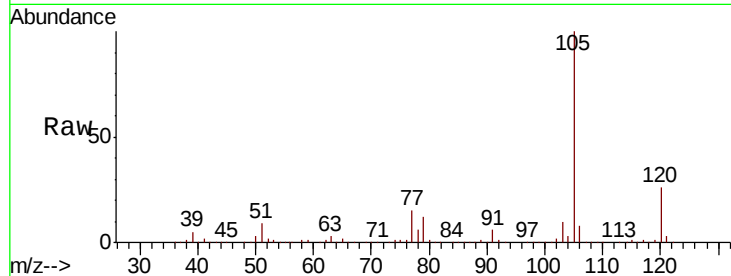
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4

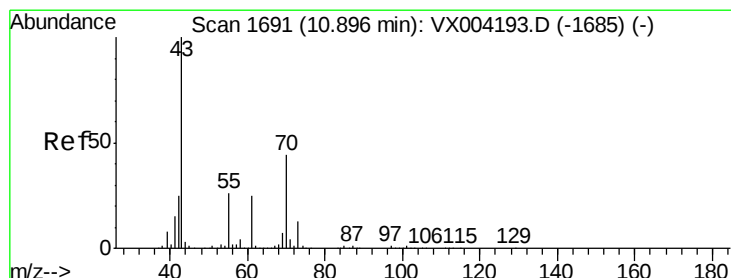
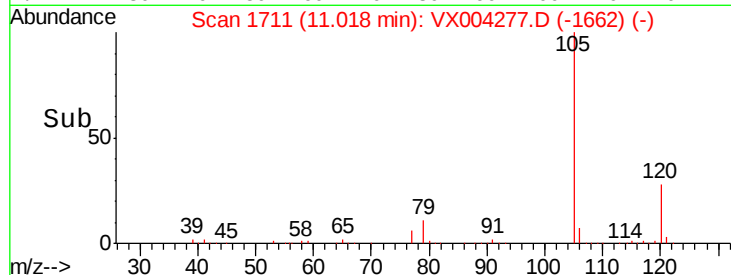
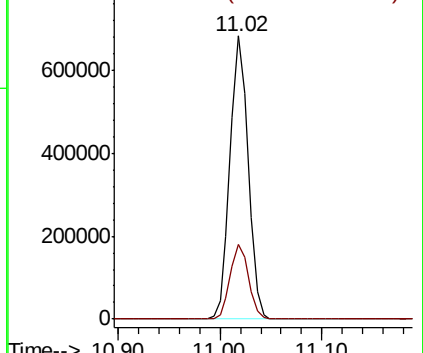
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.64 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Tgt Ion: 43 Resp: 339816

Ion Ratio Lower Upper

43 100

70 47.6 37.4 56.0

55 27.3 21.8 32.8

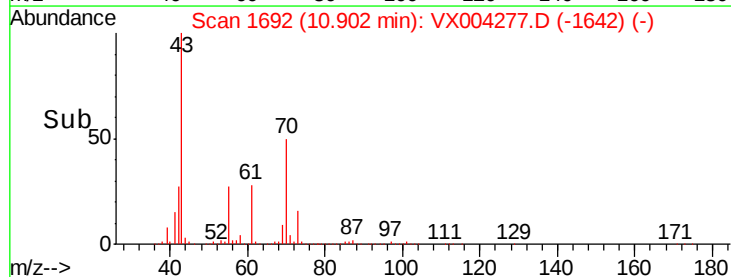
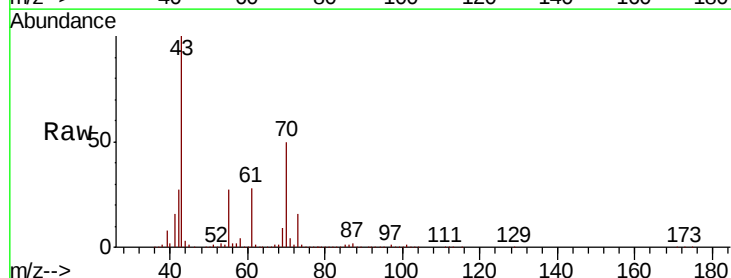
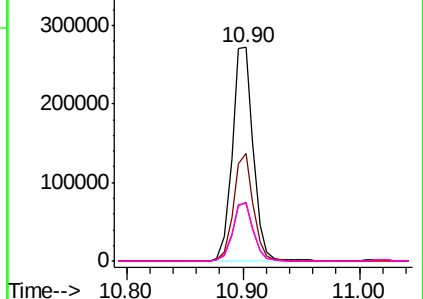
61 26.5 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.66 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 291352

Ion Ratio Lower Upper

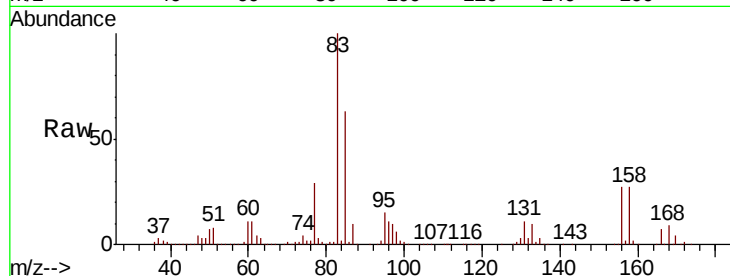
83 100

131 10.7 5.2 15.6

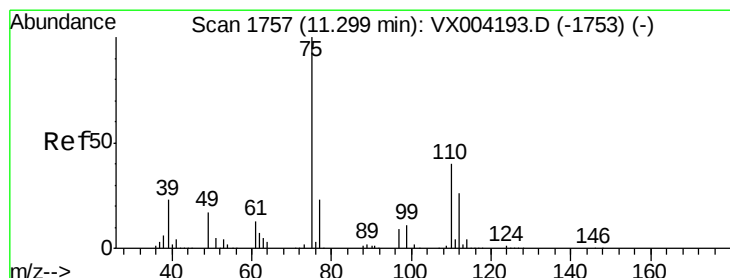
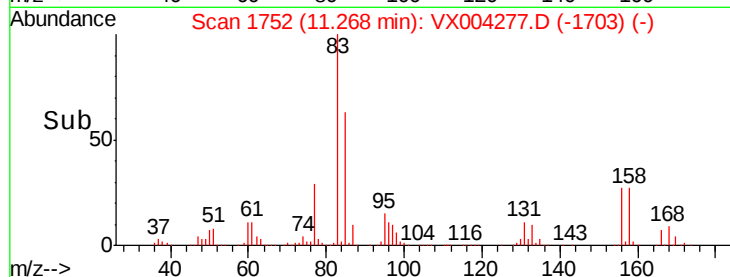
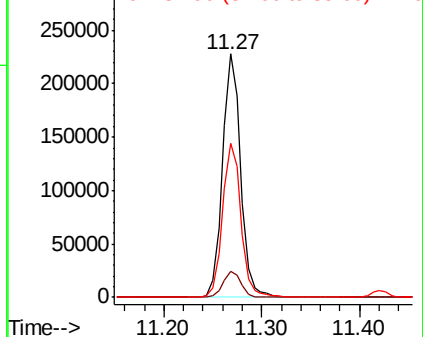
85 64.3 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.43 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004277.D

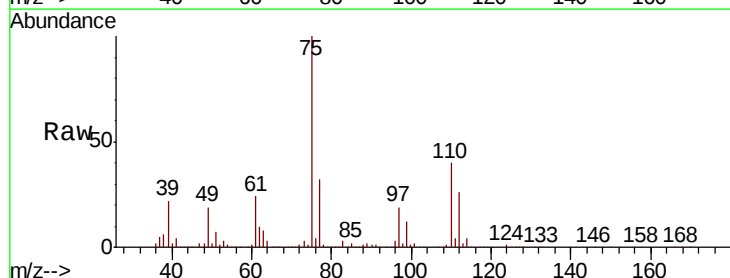
Acq: 29 Aug 2018 08:08

Tgt Ion: 75 Resp: 272189

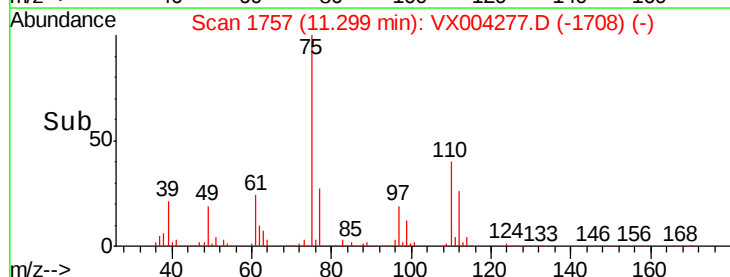
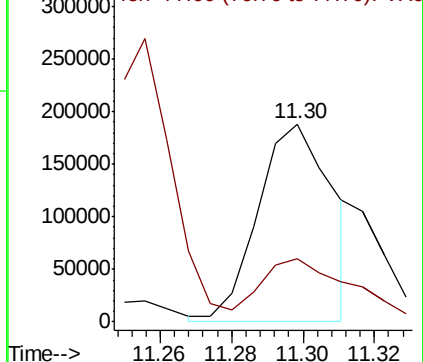
Ion Ratio Lower Upper

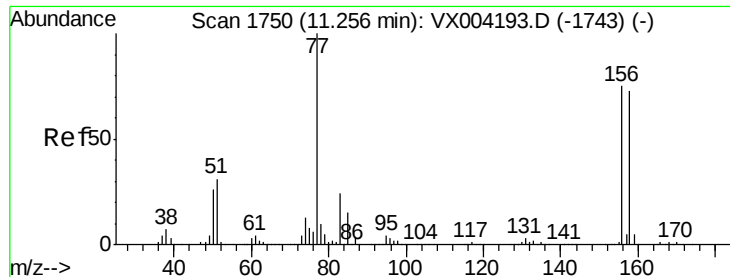
75 100

77 39.0 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

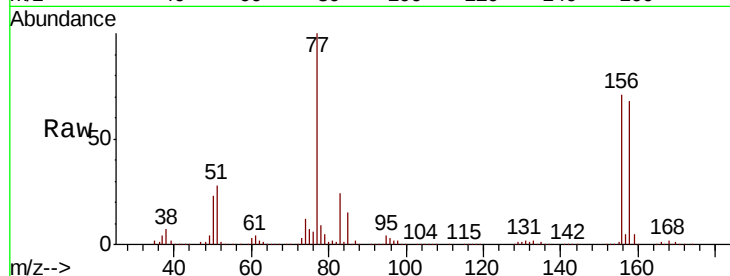
ClientSampleId :

VSTDCCC050

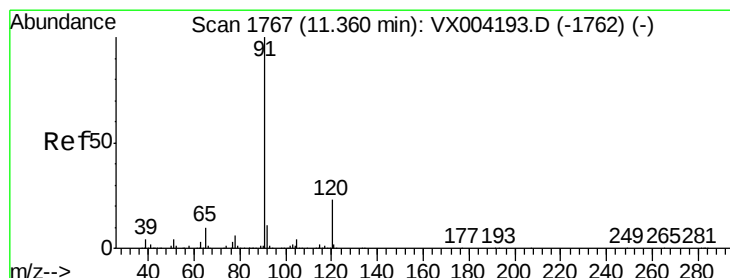
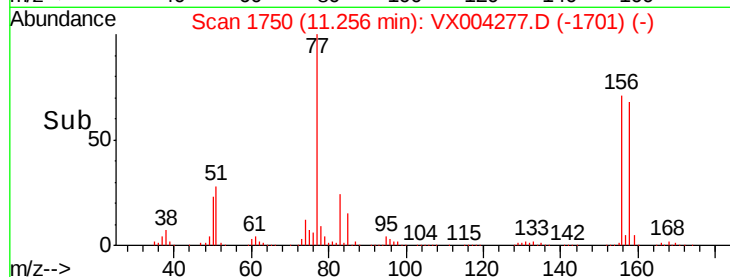
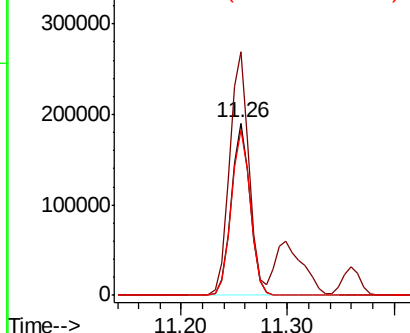
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 235767 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 145.6 | 71.5  | 214.3  |
| 158       | 97.6  | 48.9  | 146.8  |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.61 ug/l

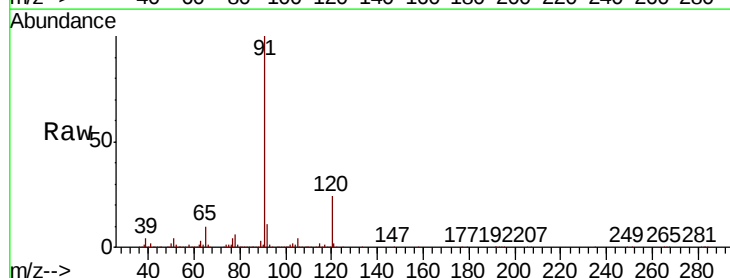
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

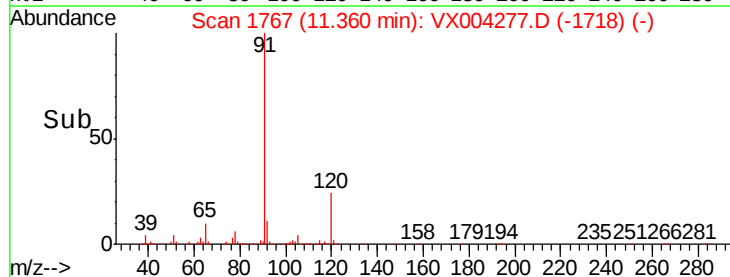
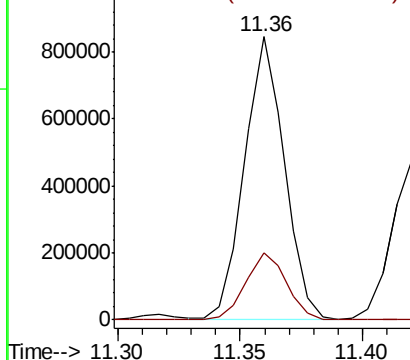
Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 956676 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.2  | 11.9  | 35.9   |



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





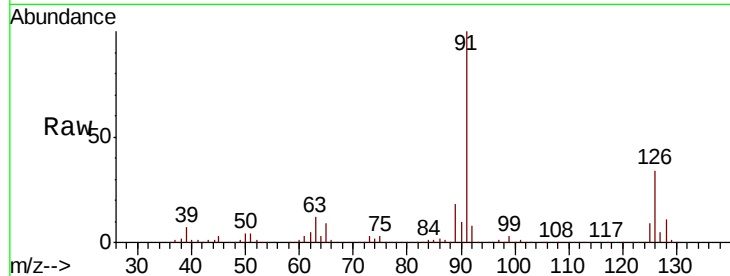
#79  
 2-Chlorotoluene  
 Concen: 49.65 ug/l  
 RT: 11.42 min Scan# 1777  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

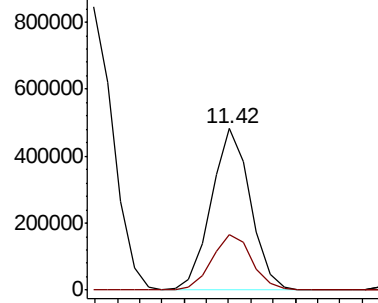
Tot Ion: 91 Resp: 589312  
 Ion Ratio Lower Upper  
 91 100  
 126 35.0 17.9 53.7

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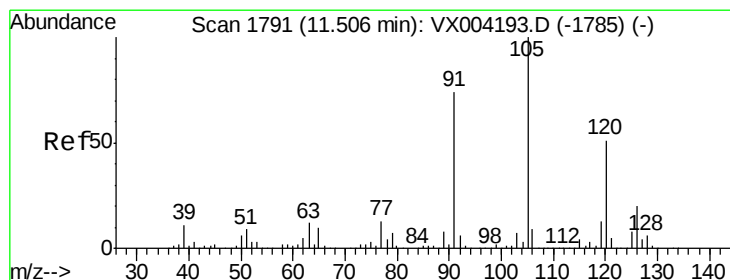
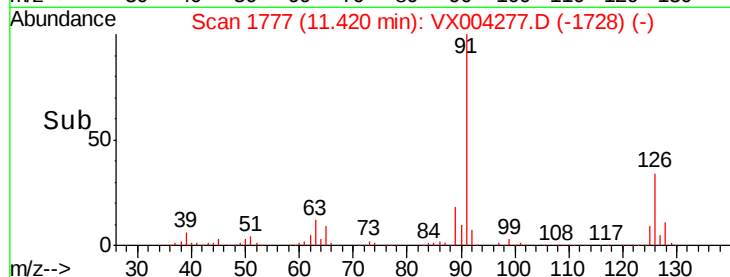
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Abundance Ion 91.00 (90.70 to 91.70): VX0  
 Ion 125.90 (125.60 to 126.60): V

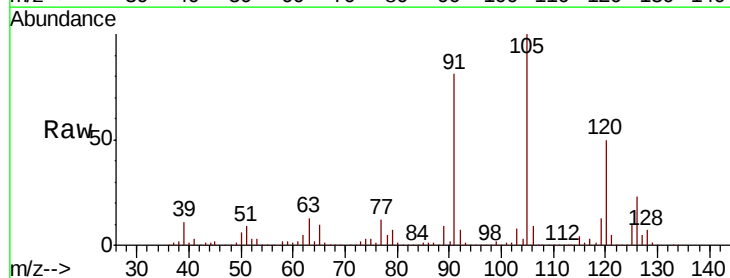


Time-->

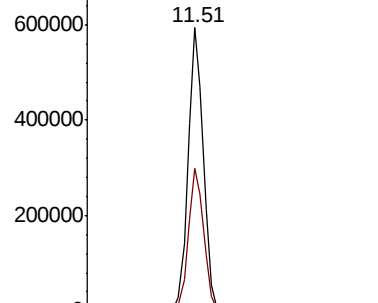


#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.36 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

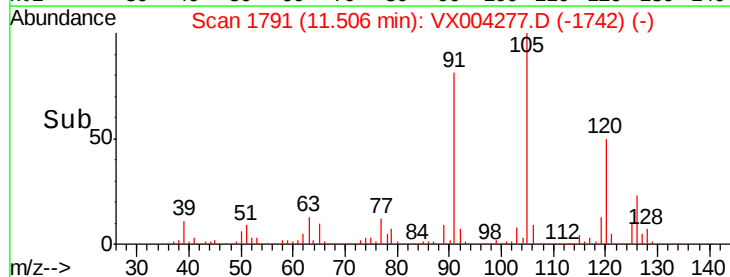
Tgt Ion:105 Resp: 699132  
 Ion Ratio Lower Upper  
 105 100  
 120 51.2 25.6 76.8

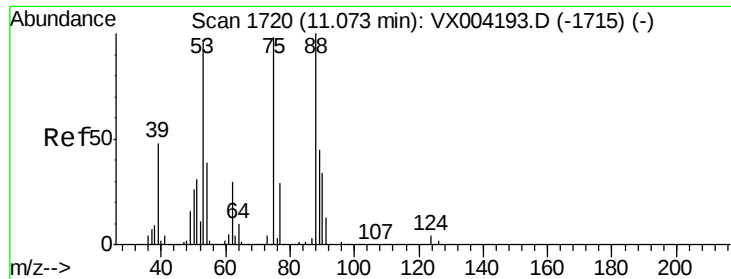


Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V



Time-->





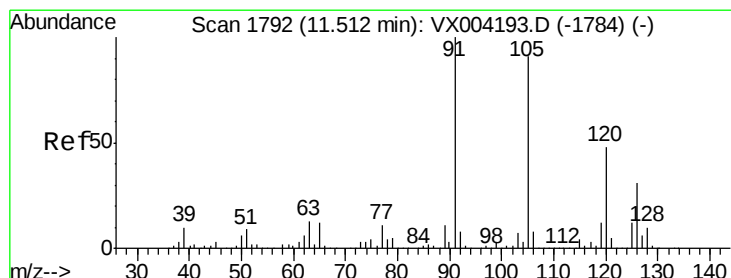
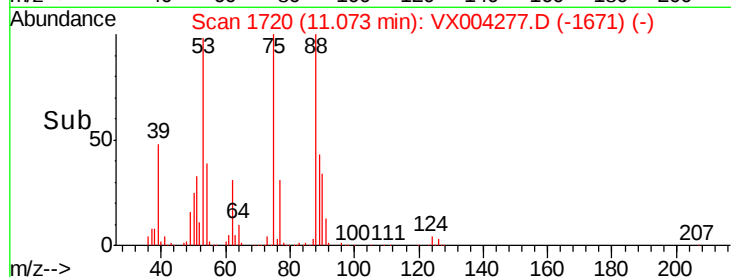
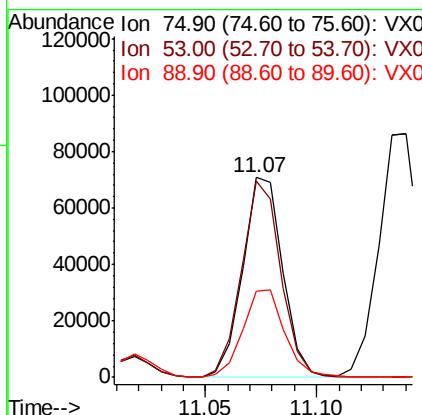
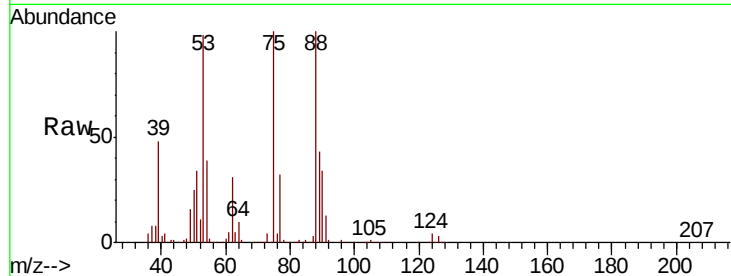
#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.47 ug/l  
RT: 11.07 min Scan# 1720  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.4  | 80.1  | 120.1 |
| 89      | 46.1  | 37.2  | 55.8  |

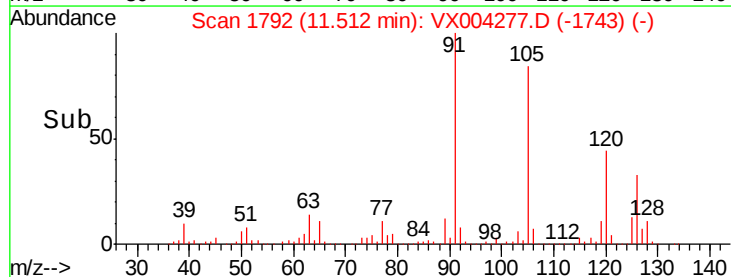
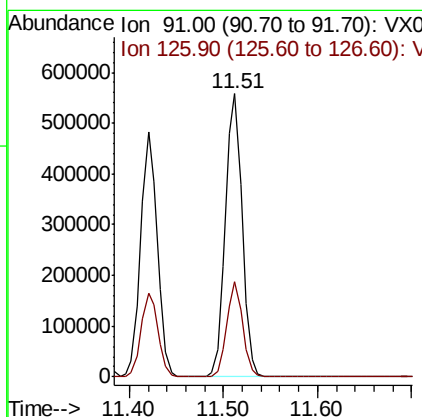
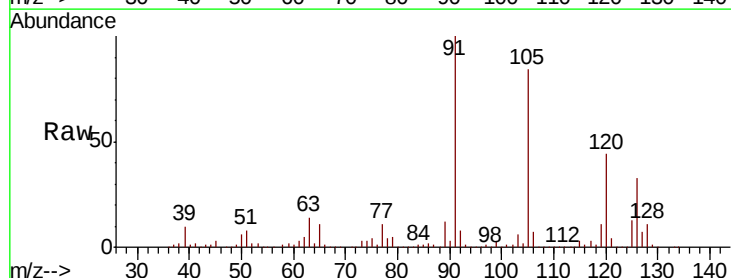
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#82  
4-Chlorotoluene  
Concen: 49.52 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.8  | 15.5  | 46.5  |





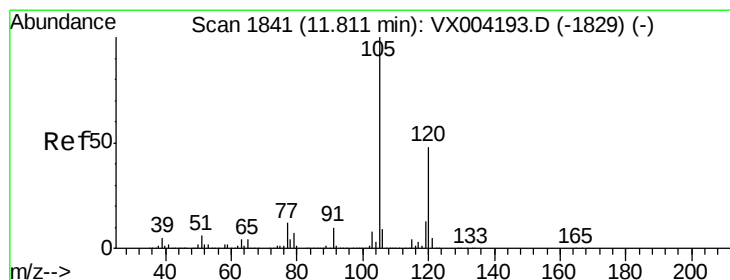
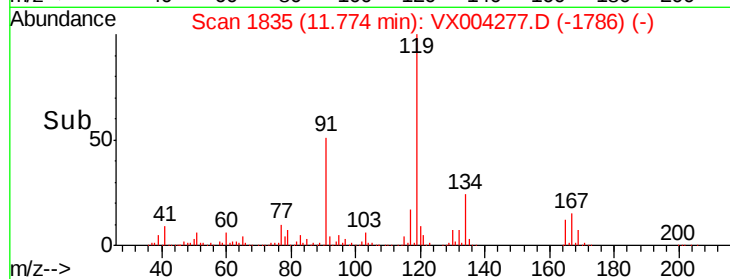
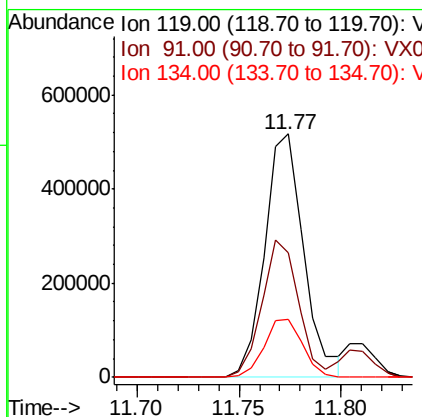
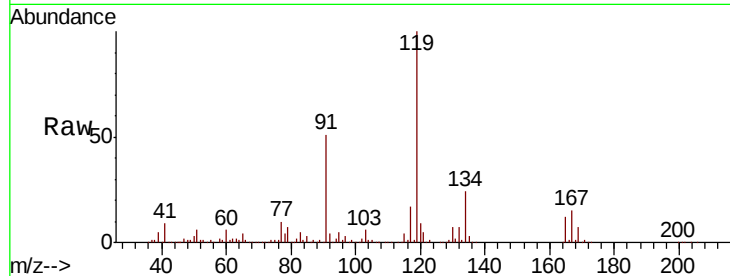
#83  
 tert-Butylbenzene  
 Concen: 49.44 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 52.8  | 27.0  | 81.0  |
| 134     | 23.6  | 11.7  | 35.1  |

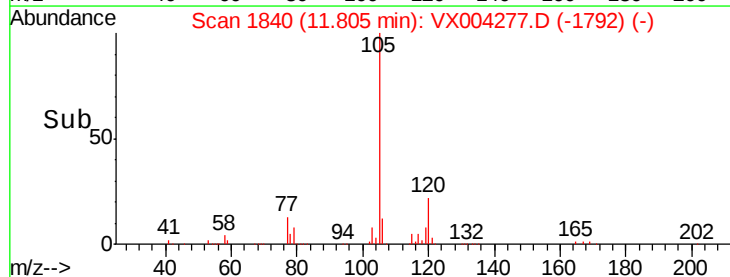
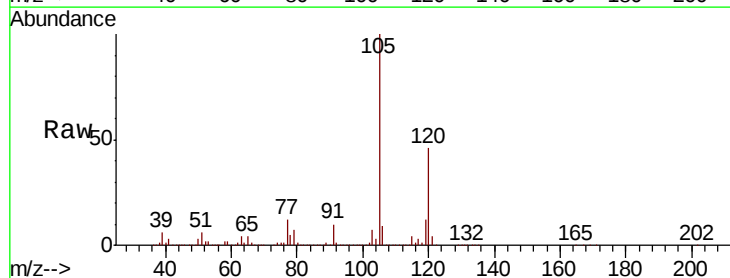
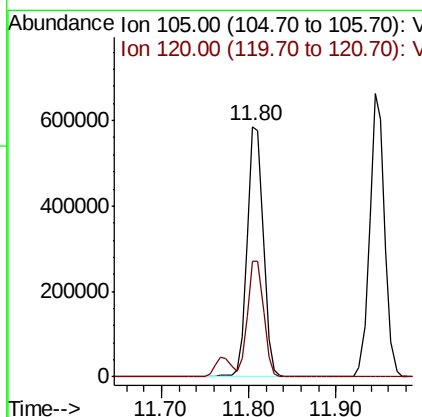
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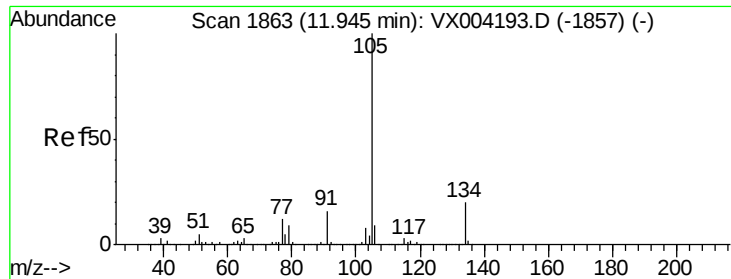
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.02 ug/l  
 RT: 11.80 min Scan# 1840  
 Delta R.T. -0.01 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.2  | 23.2  | 69.6  |





#85

sec-Butylbenzene

Concen: 47.98 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 795735

Ion Ratio Lower Upper

105 100

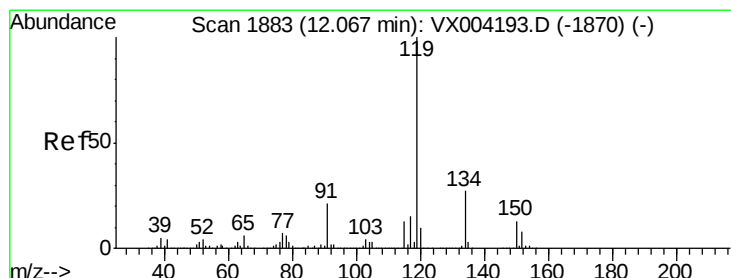
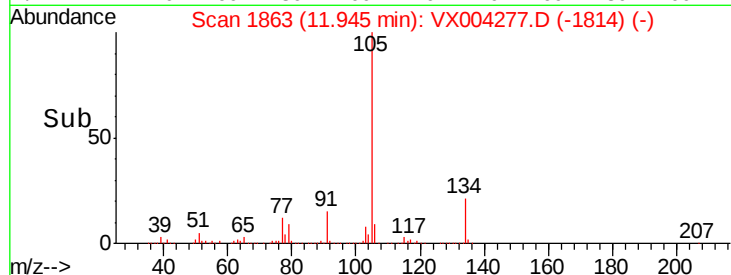
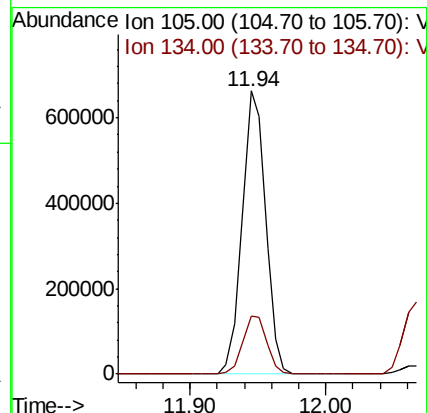
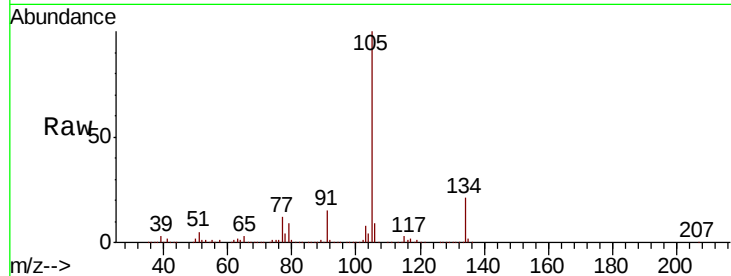
134 21.0 10.5 31.5

Manual Integrations

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8/30/2018 1:38:32 PM



#86

p-Isopropyltoluene

Concen: 49.88 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004277.D

Acq: 29 Aug 2018 08:08

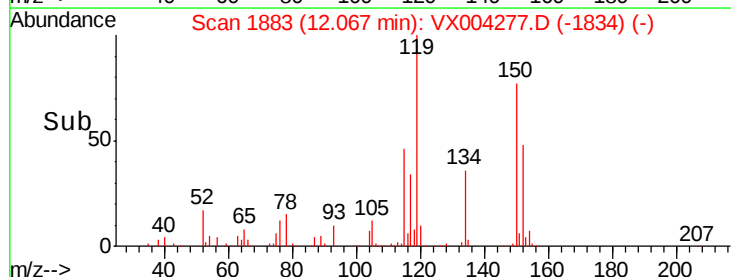
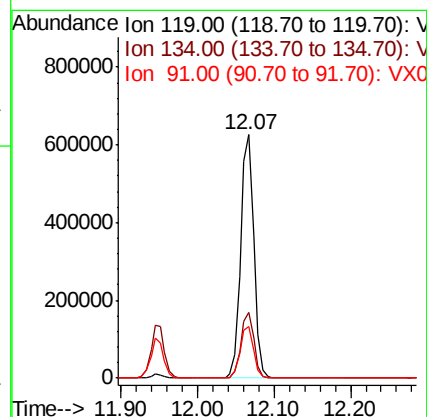
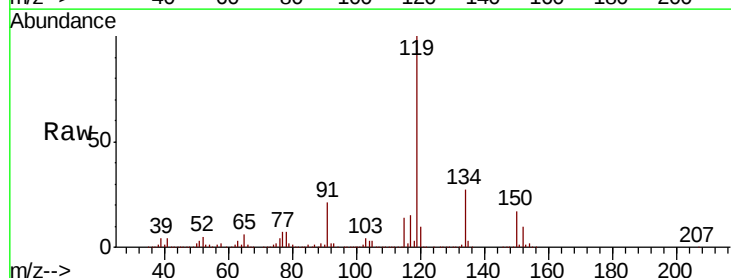
Tgt Ion:119 Resp: 741281

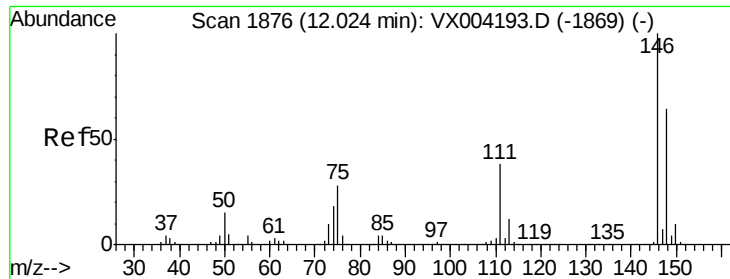
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.6 10.9 32.7





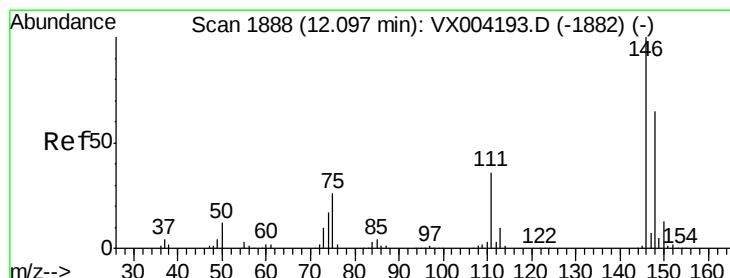
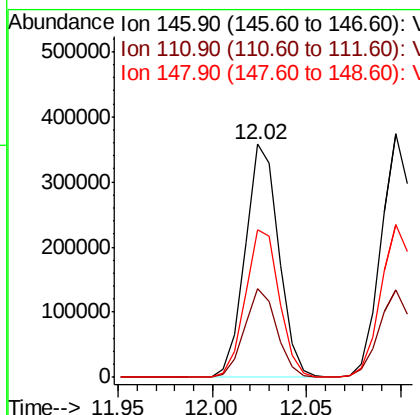
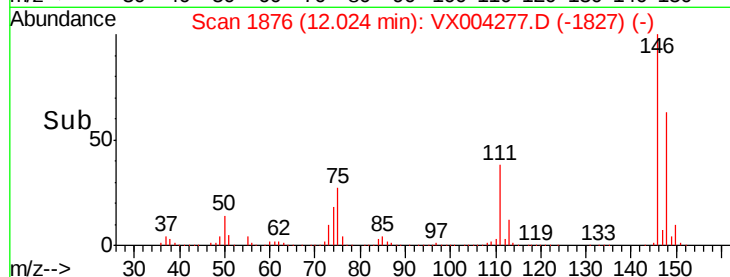
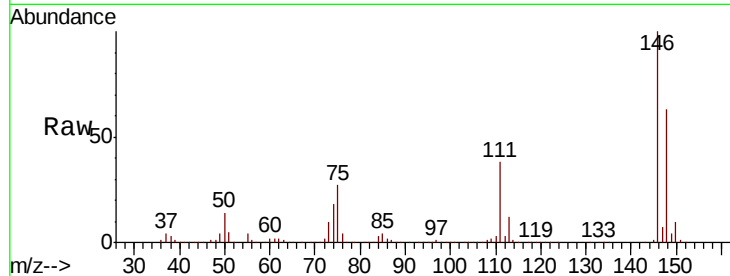
#87  
 1,3-Dichlorobenzene  
 Concen: 49.86 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.7  | 56.1  |
| 148     | 64.3  | 32.1  | 96.5  |

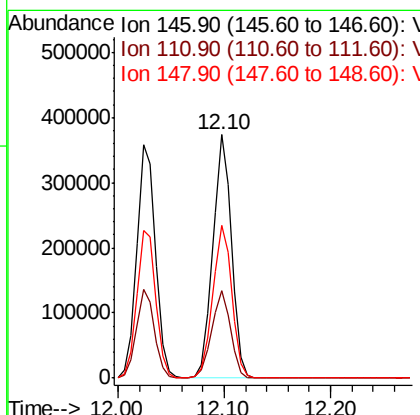
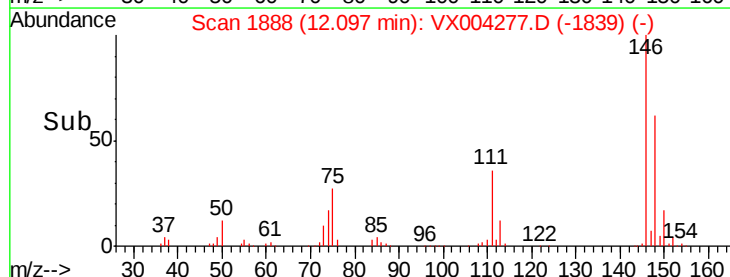
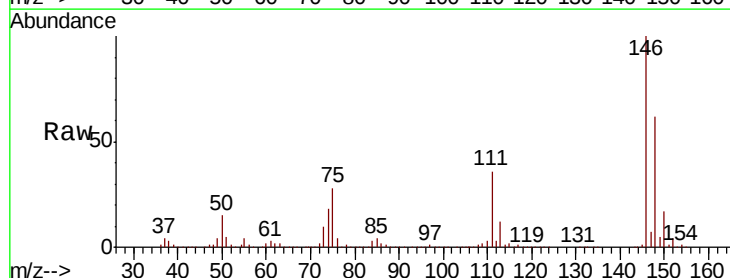
Manual Integrations  
 APPROVED

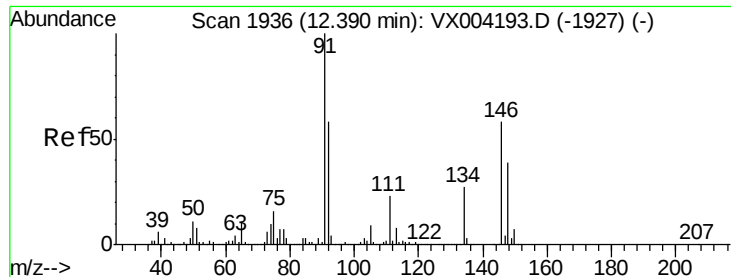
MMDadoda  
 8/30/2018 1:38:32 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.78 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.1  | 54.1  |
| 148     | 64.3  | 32.0  | 96.0  |





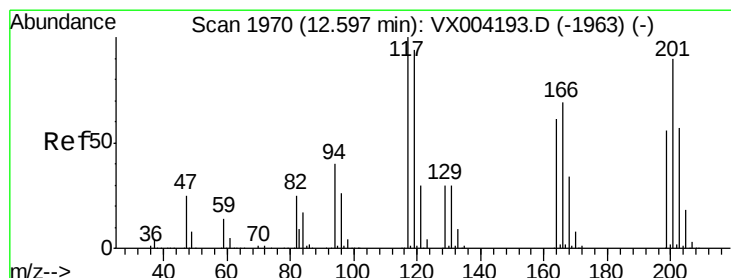
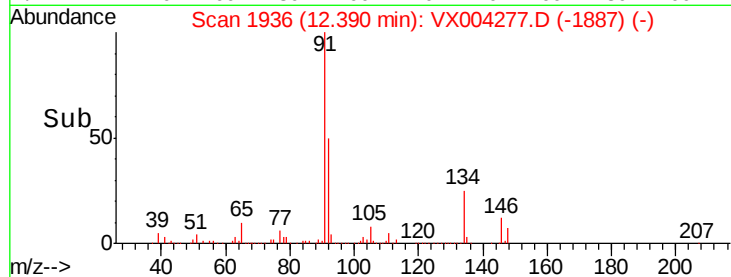
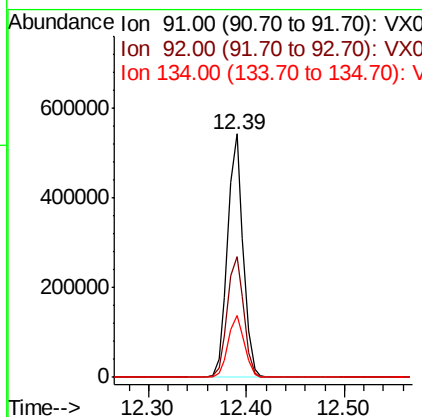
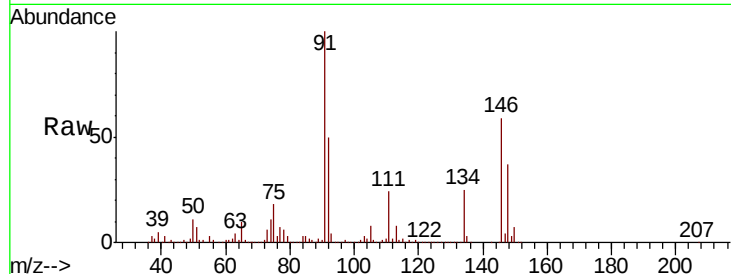
#89  
n-Butylbenzene  
Concen: 49.67 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 27.3  | 81.9  |
| 134     | 26.4  | 13.6  | 40.7  |

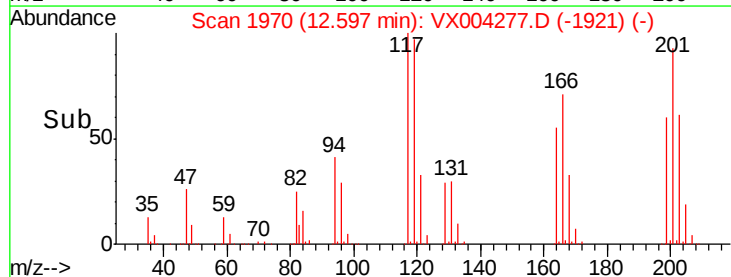
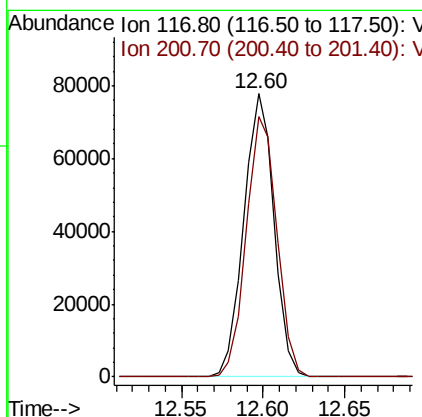
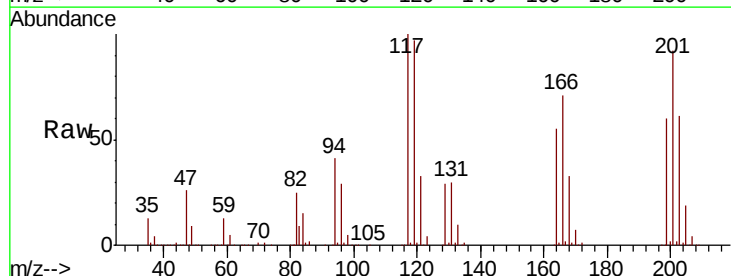
Manual Integrations  
APPROVED

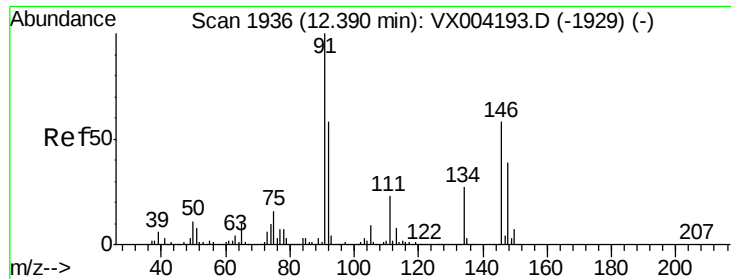
MMDadoda  
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#90  
Hexachloroethane  
Concen: 48.32 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 93.3  | 46.9  | 140.6 |





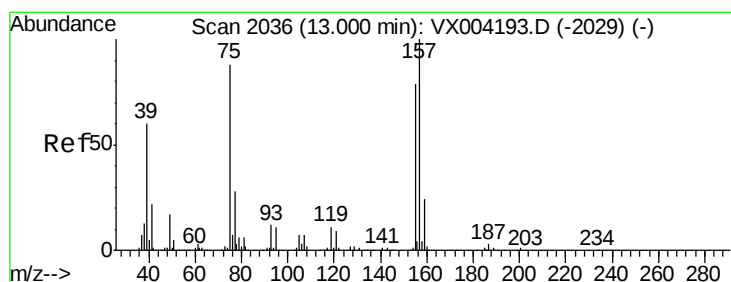
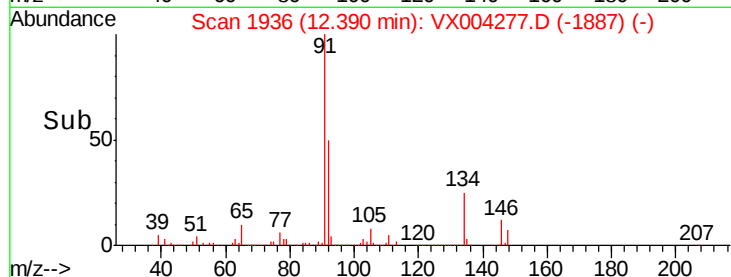
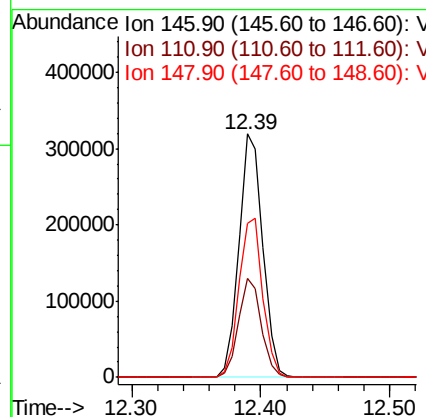
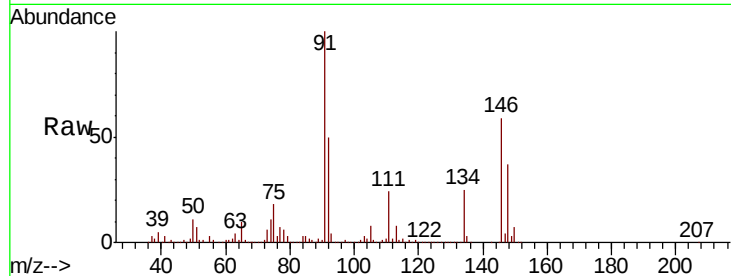
#91  
 1,2-Dichlorobenzene  
 Concen: 50.83 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.4  | 58.1  |
| 148     | 65.4  | 32.8  | 98.3  |

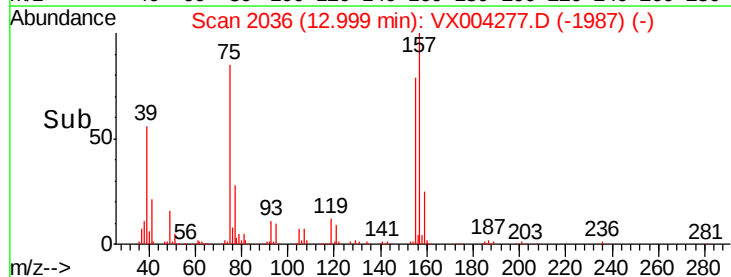
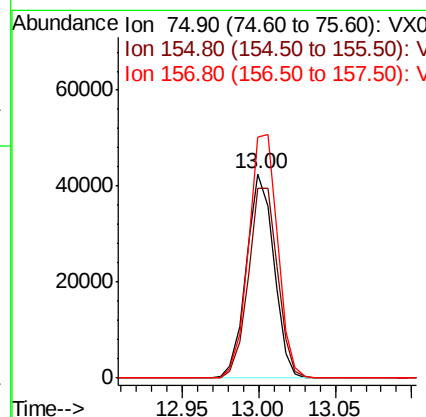
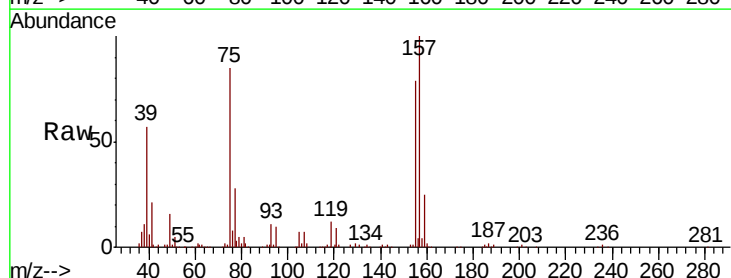
Manual Integrations  
 APPROVED

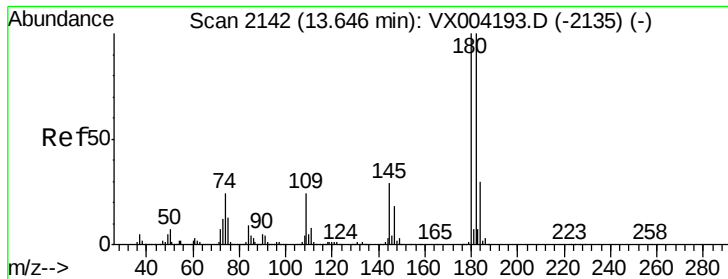
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.54 ug/l  
 RT: 13.00 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.4  | 48.0  | 144.2 |
| 157     | 126.1 | 61.4  | 184.1 |





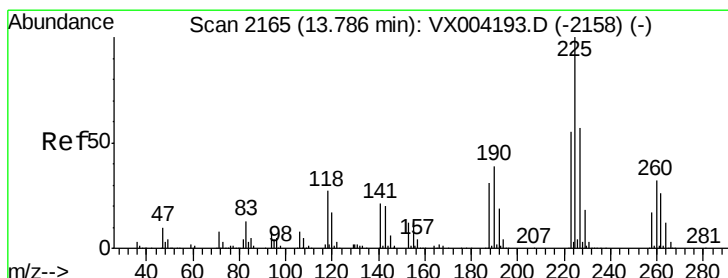
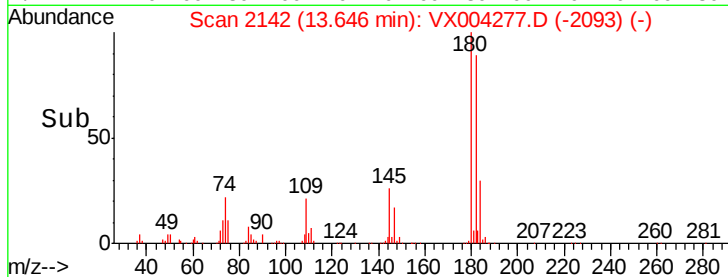
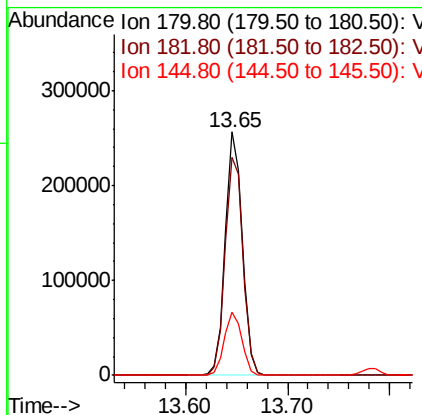
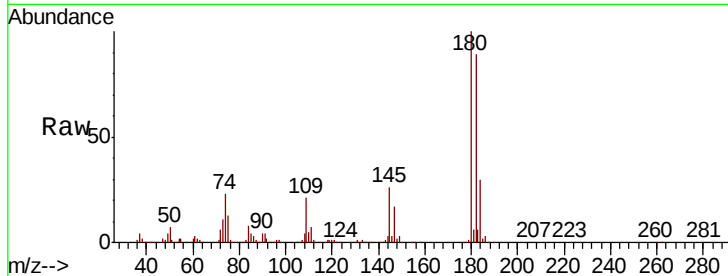
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.56 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 297727 |       |       |
| 182     | 93.3  | 48.4   | 145.0 |       |
| 145     | 26.8  | 14.3   | 42.9  |       |

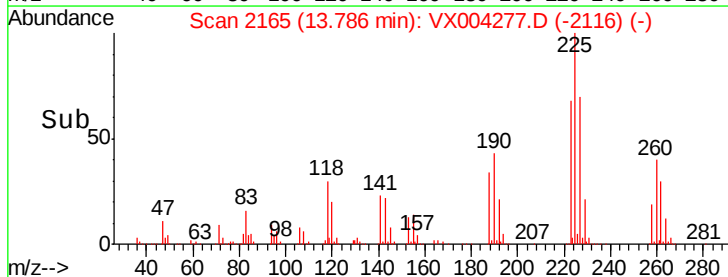
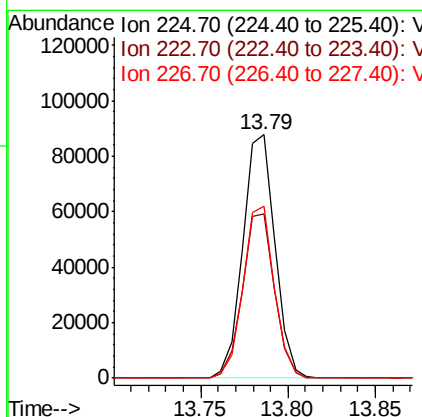
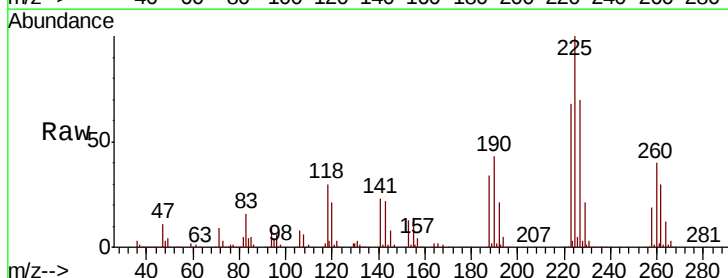
Manual Integrations  
 APPROVED

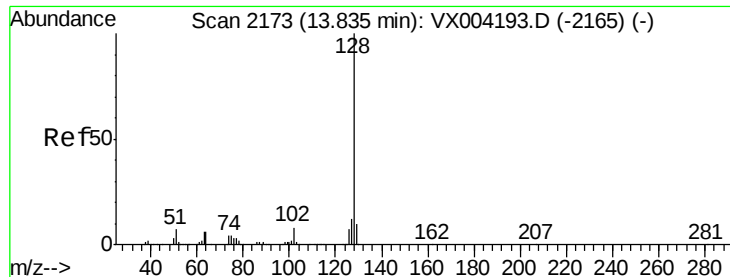
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#94  
 Hexachlorobutadiene  
 Concen: 40.69 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX004277.D  
 Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 111536 |       |       |
| 223     | 67.4  | 30.1   | 90.5  |       |
| 227     | 68.6  | 30.8   | 92.4  |       |





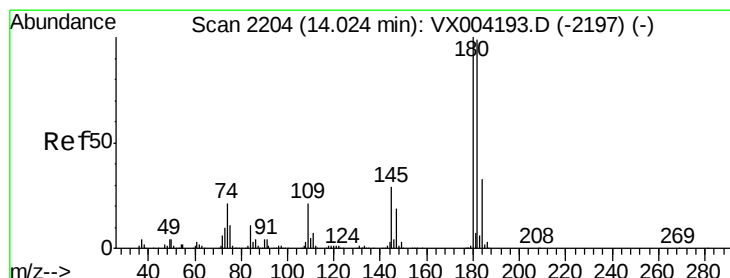
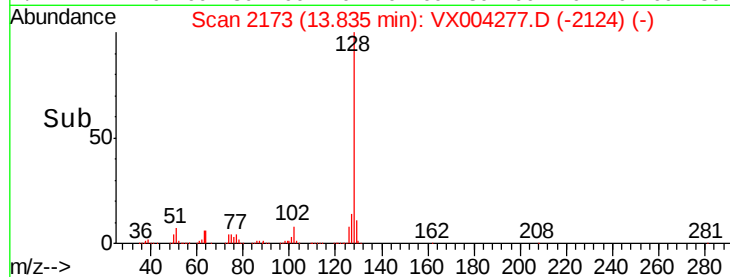
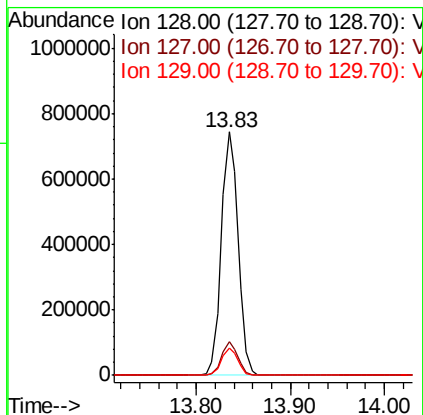
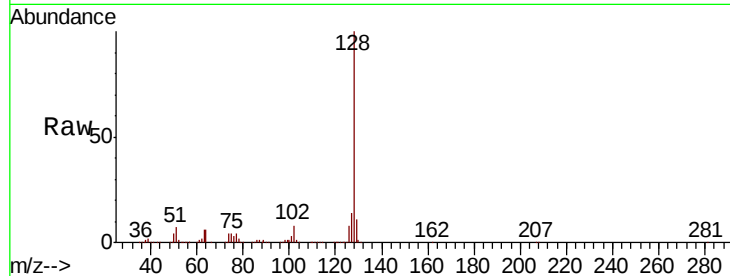
#95  
Naphthalene  
Concen: 55.22 ug/l  
RT: 13.83 min Scan# 2173  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.2  | 15.2  |
| 129     | 11.0  | 8.6   | 12.8  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 50.31 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. -0.00 min  
Lab File: VX004277.D  
Acq: 29 Aug 2018 08:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 48.5  | 145.6 |
| 145     | 30.1  | 14.9  | 44.9  |

