

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\  
 Data File : VX008202.D  
 Acq On : 19 Mar 2019 20:09  
 Operator : JC/SP  
 Sample : K1882-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW305D-20190312

Quant Time: Mar 20 08:11:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031919W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 20 06:51:58 2019  
 Response via : Initial Calibration

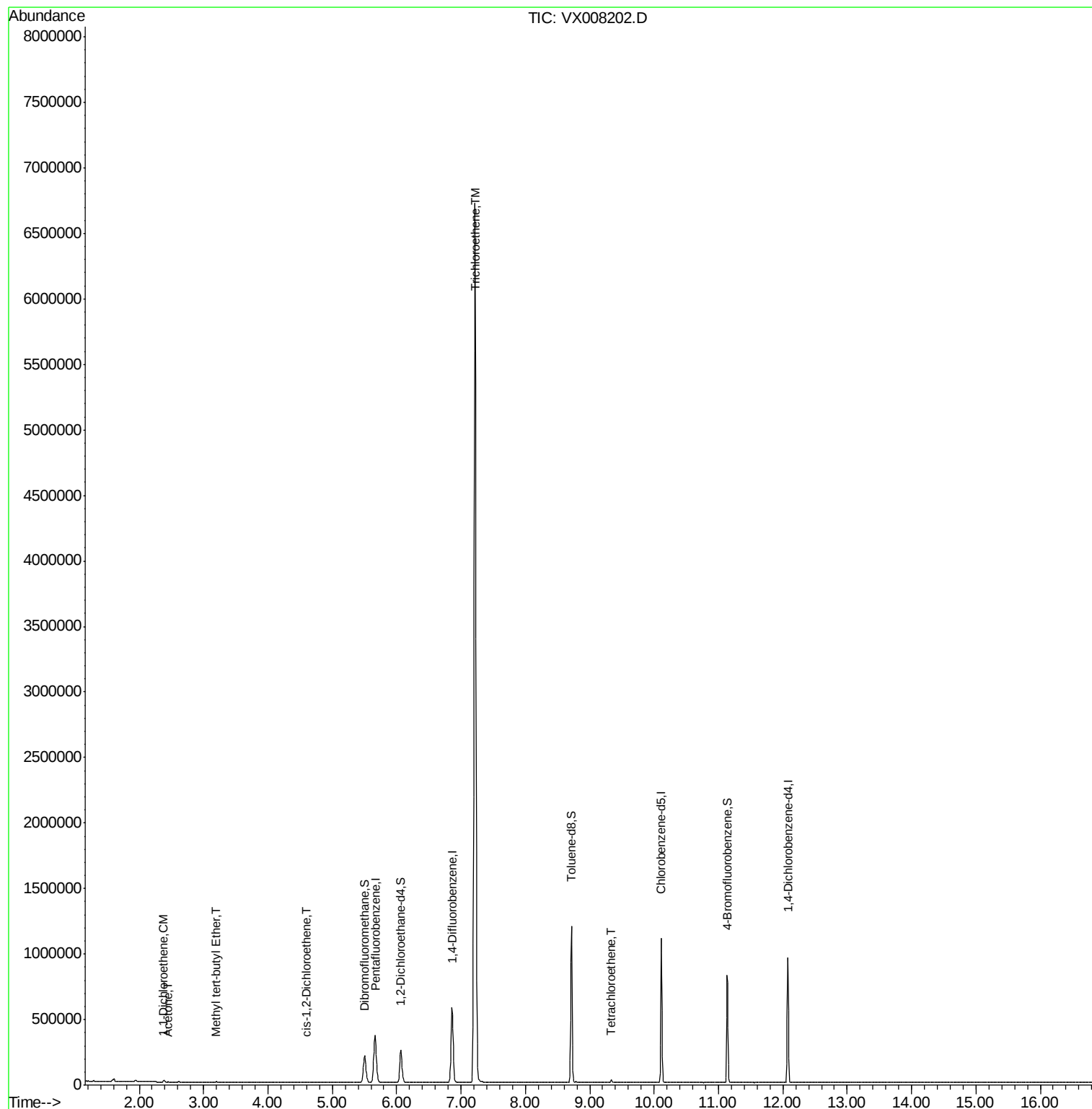
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 338653   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 547927   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 465251   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 188319   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 237391   | 46.54   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 93.08% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 172266   | 46.96   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 93.92% |          |
| 50) Toluene-d8              | 8.71  | 98   | 680383   | 48.92   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 97.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 217962   | 45.52   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 91.04% |          |
| Target Compounds            |       |      |          |         |        |          |
| 12) 1,1-Dichloroethene      | 2.38  | 96   | 3364     | 0.819   | ug/l   | 94       |
| 16) Acetone                 | 2.45  | 43   | 5588     | 1.932   | ug/l # | 83       |
| 19) Methyl tert-butyl Ether | 3.20  | 73   | 6465     | 0.435   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 2589     | 0.512   | ug/l   | 95       |
| 44) Trichloroethene         | 7.21  | 130  | 2466432  | 534.240 | ug/l   | 89       |
| 64) Tetrachloroethene       | 9.34  | 164  | 4445     | 1.059   | ug/l   | 98       |

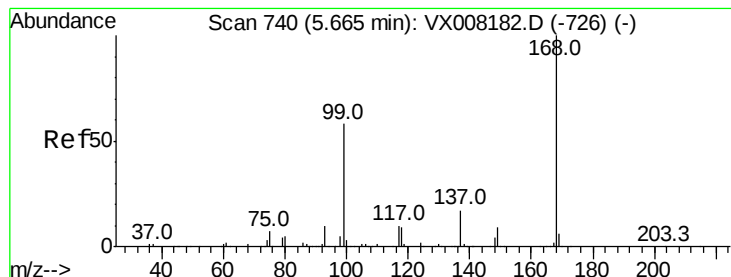
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031919\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031919W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 20 06:51:58 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

Instrument :

MSVOA\_X

ClientSampleId :

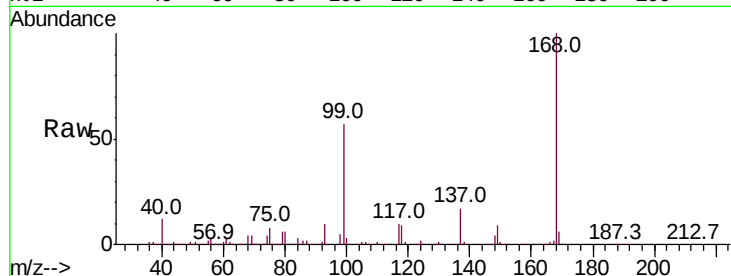
BPS1-TT-MW305D-20190312

Tot Ion:168 Resp: 338653

Ion Ratio Lower Upper

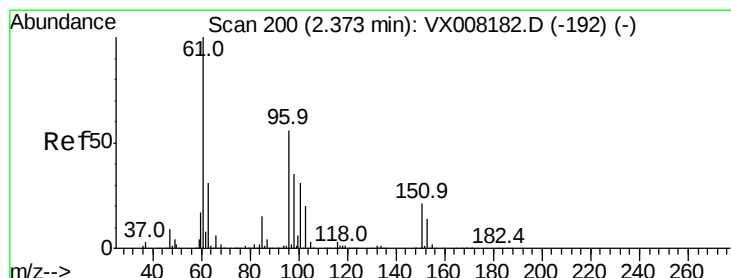
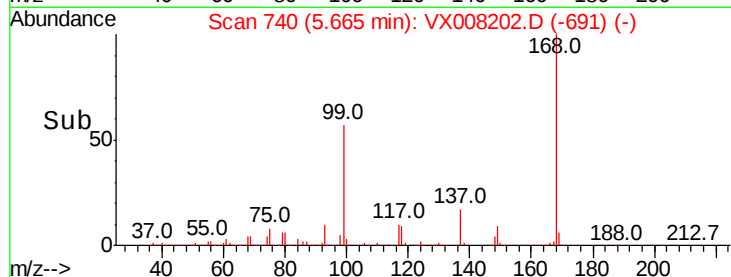
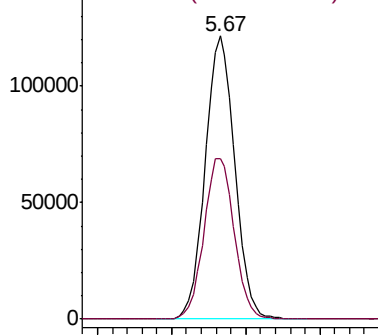
168 100

99 56.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#12

1,1-Dichloroethene

Concen: 0.819 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

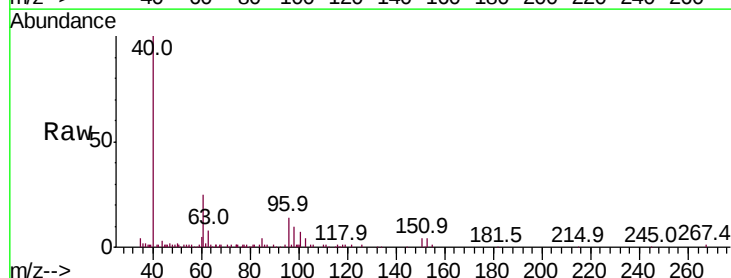
Tgt Ion: 96 Resp: 3364

Ion Ratio Lower Upper

96 100

61 169.0 129.8 194.6

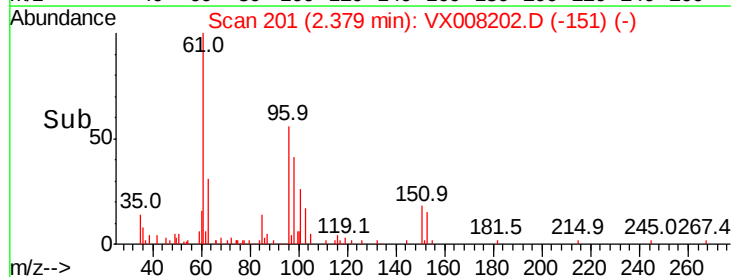
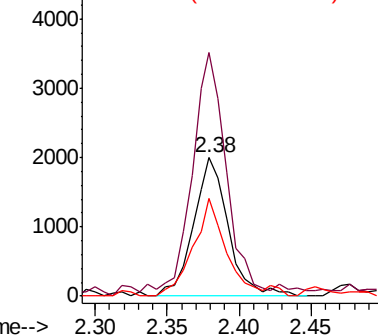
98 70.9 51.0 76.6

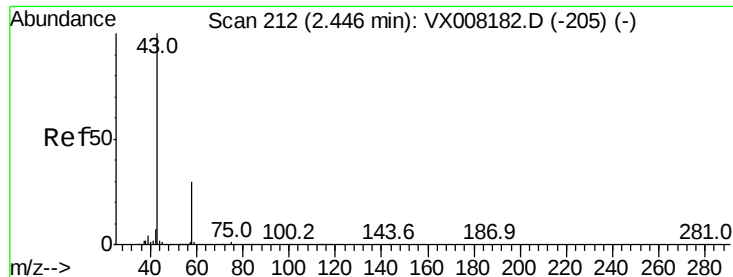


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

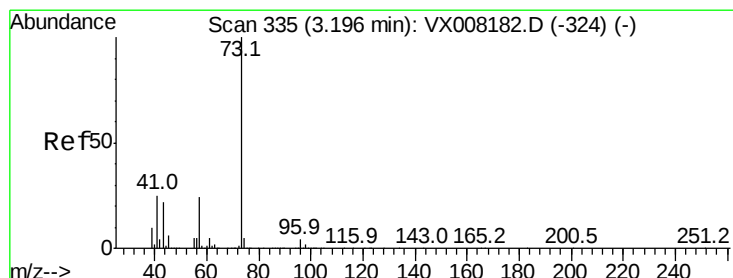
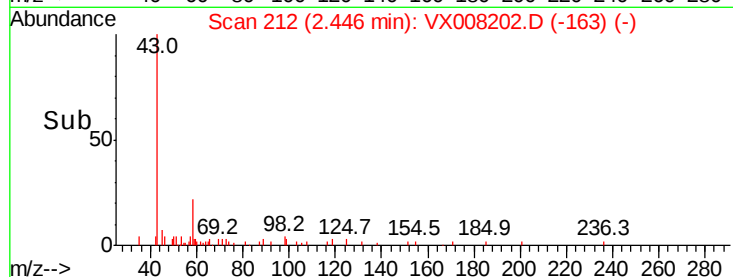
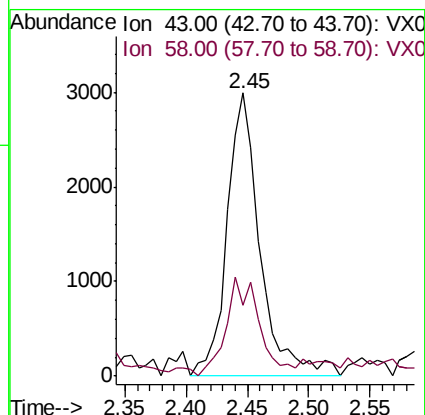
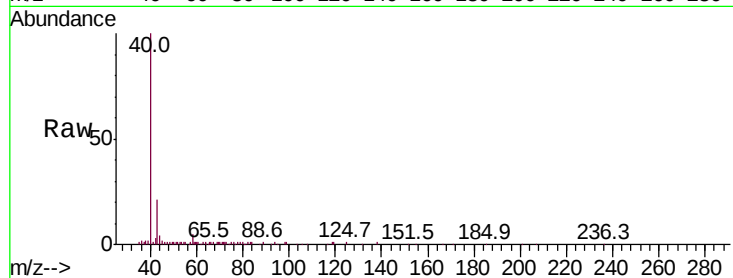




#16  
Acetone  
Concen: 1.932 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX008202.D  
Acq: 19 Mar 2019 20:09

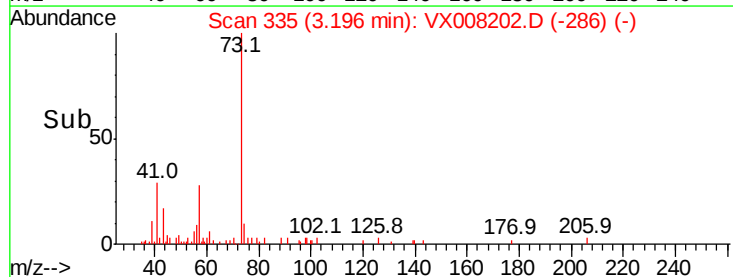
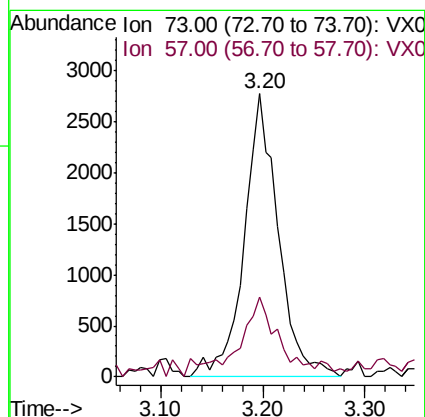
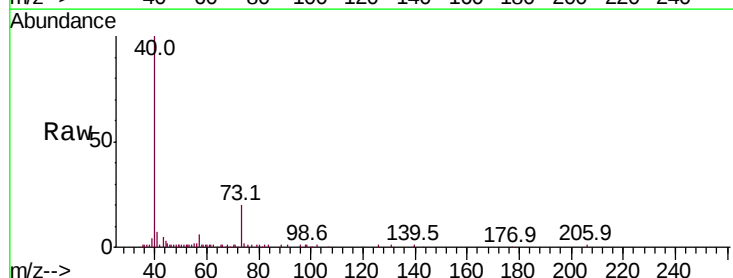
Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW305D-20190312

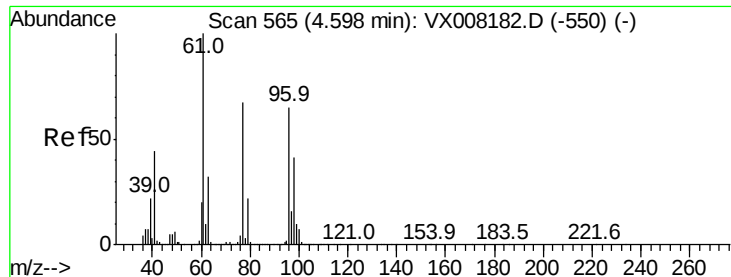
Tot Ion: 43 Resp: 5588  
Ion Ratio Lower Upper  
43 100  
58 22.5 25.5 38.3#



#19  
Methyl tert-butyl Ether  
Concen: 0.435 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: VX008202.D  
Acq: 19 Mar 2019 20:09

Tgt Ion: 73 Resp: 6465  
Ion Ratio Lower Upper  
73 100  
57 25.4 18.2 27.4





#27

cis-1,2-Dichloroethene

Concen: 0.512 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW305D-20190312

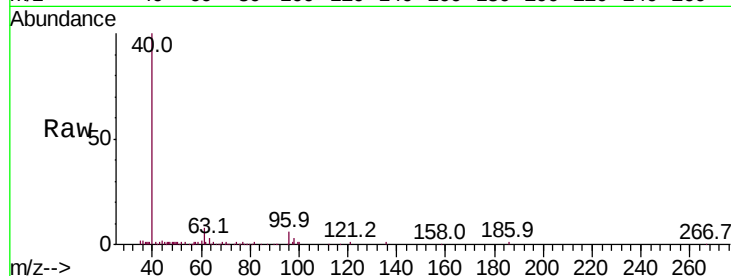
Tot Ion: 96 Resp: 2589

Ion Ratio Lower Upper

96 100

61 151.4 0.0 288.0

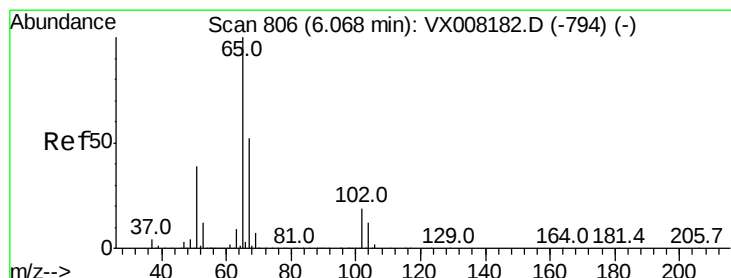
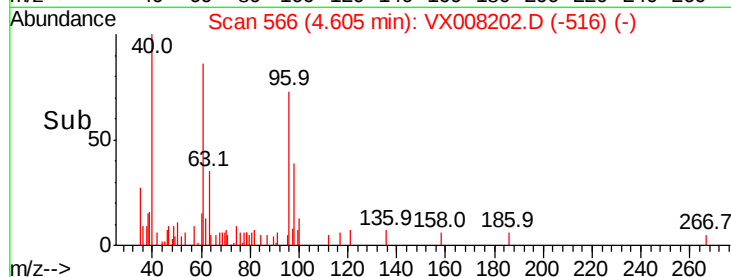
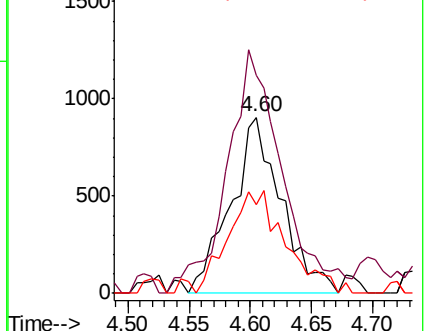
98 66.4 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.543 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008202.D

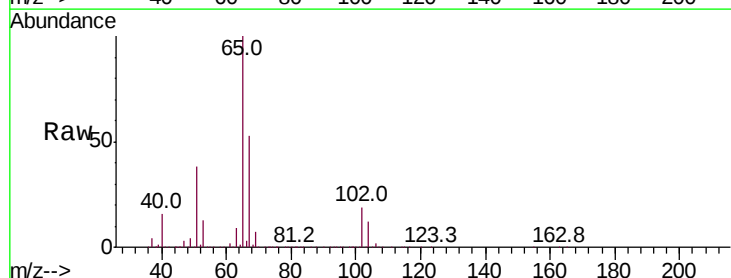
Acq: 19 Mar 2019 20:09

Tgt Ion: 65 Resp: 237391

Ion Ratio Lower Upper

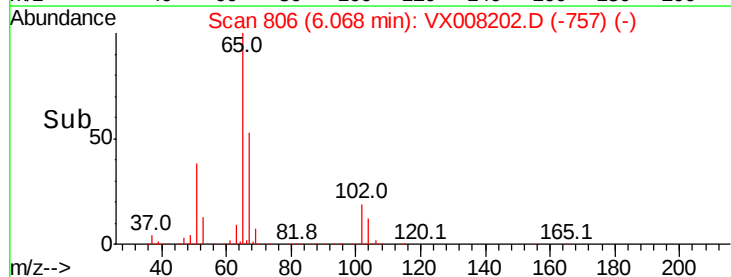
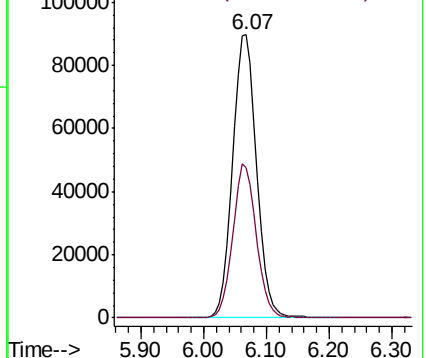
65 100

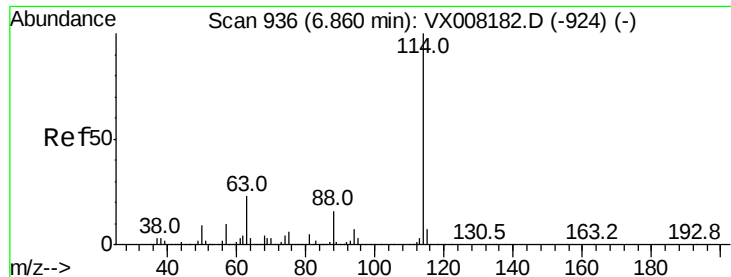
67 53.0 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW305D-20190312

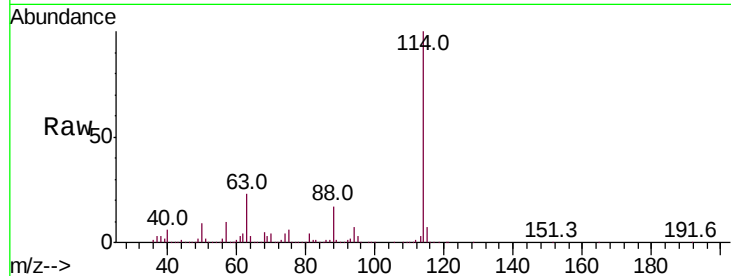
Tot Ion:114 Resp: 547927

Ion Ratio Lower Upper

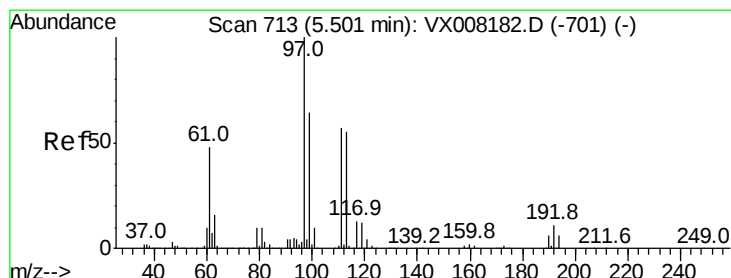
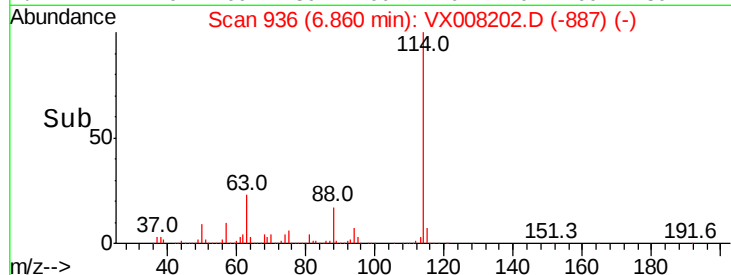
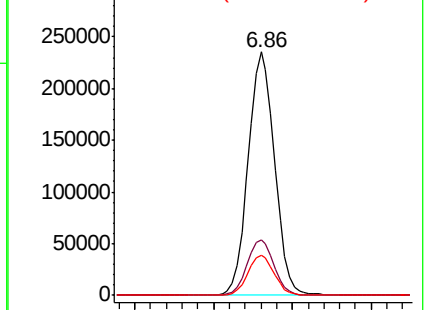
114 100

63 22.9 0.0 39.8

88 16.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.964 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

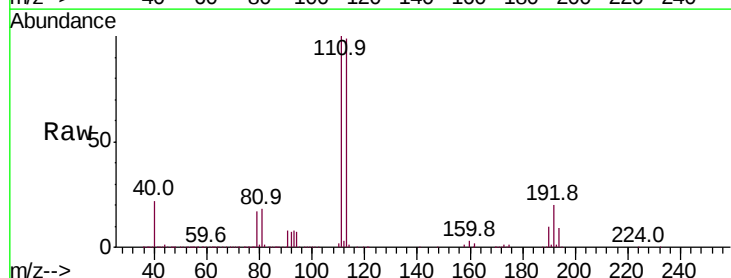
Tgt Ion:113 Resp: 172266

Ion Ratio Lower Upper

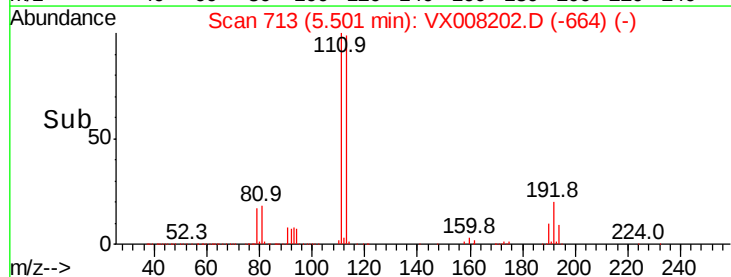
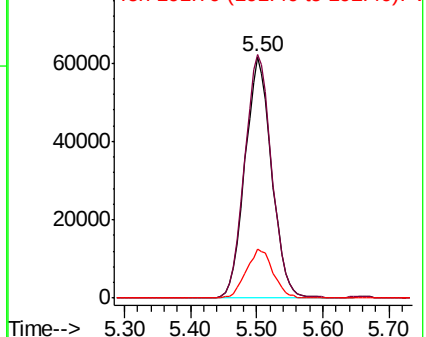
113 100

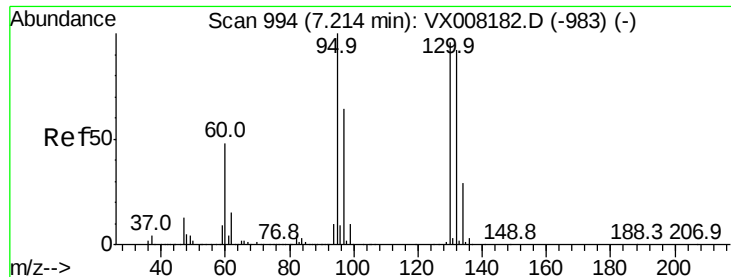
111 103.2 81.4 122.0

192 20.4 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 534.240 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

Instrument :

MSVOA\_X

ClientSampleId :

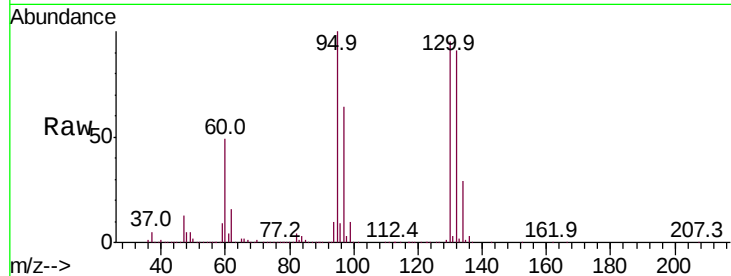
BPS1-TT-MW305D-20190312

Tot Ion:130 Resp: 2466432

Ion Ratio Lower Upper

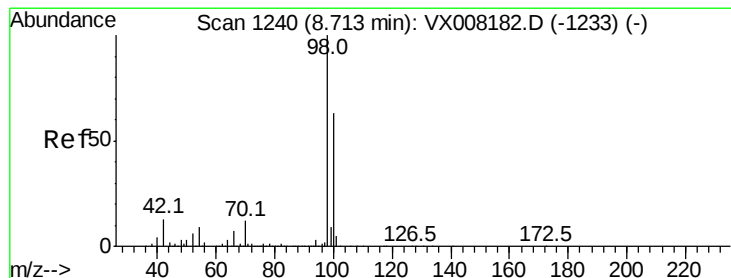
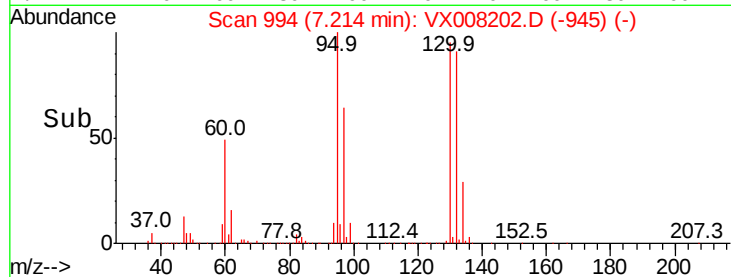
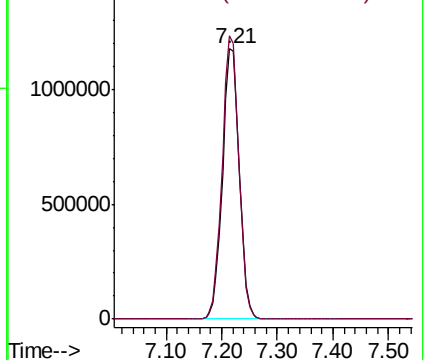
130 100

95 104.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.925 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008202.D

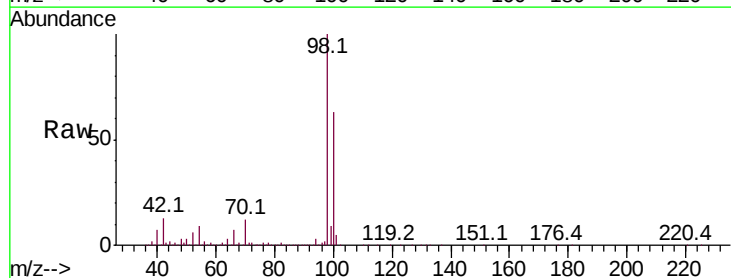
Acq: 19 Mar 2019 20:09

Tgt Ion: 98 Resp: 680383

Ion Ratio Lower Upper

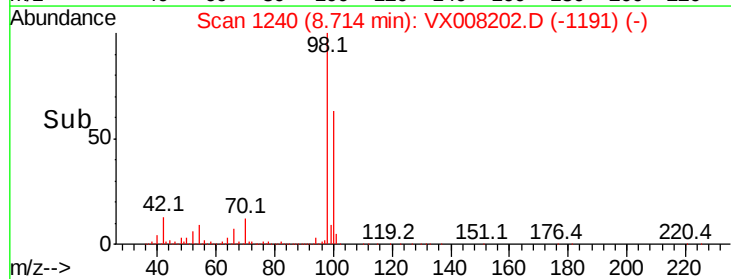
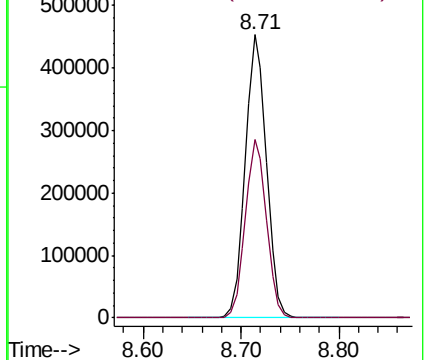
98 100

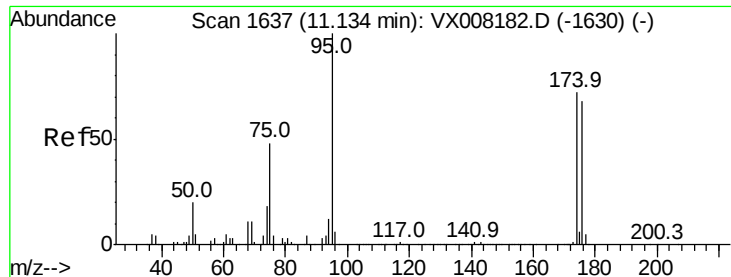
100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW305D-20190312

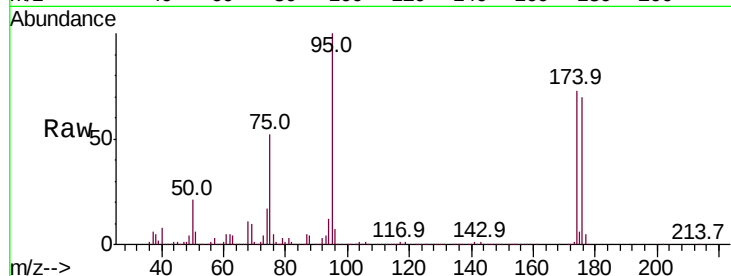
Tot Ion: 95 Resp: 217962

Ion Ratio Lower Upper

95 100

174 77.9 0.0 182.8

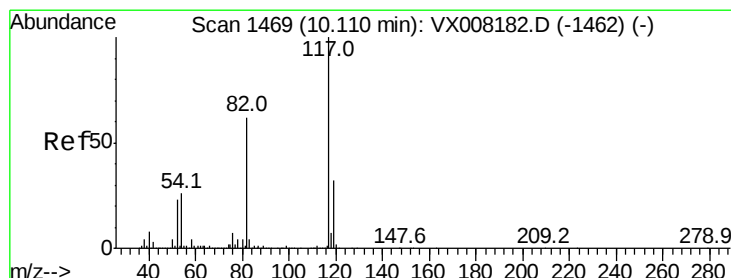
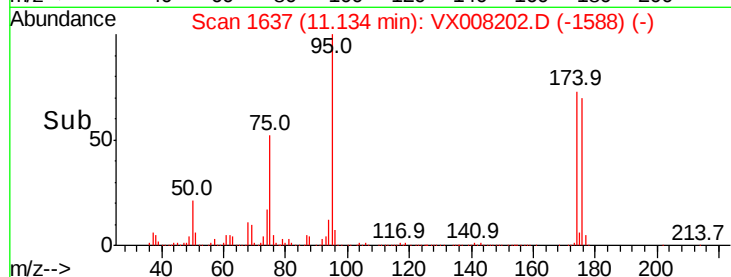
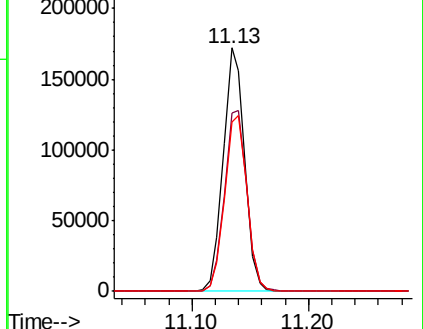
176 75.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

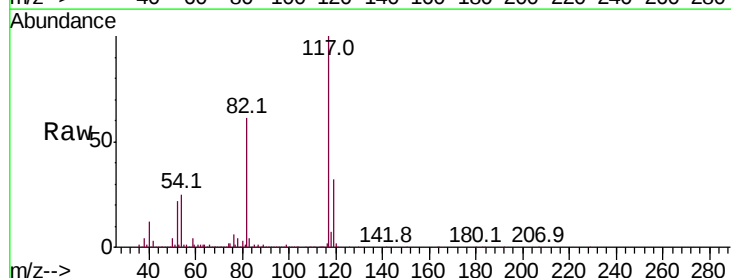
Tgt Ion: 117 Resp: 465251

Ion Ratio Lower Upper

117 100

82 60.6 44.3 66.5

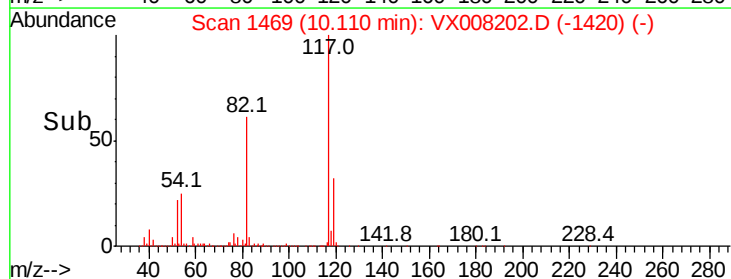
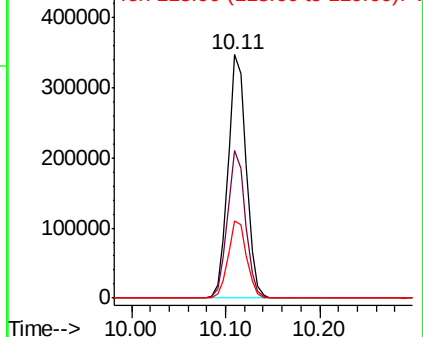
119 31.8 25.3 37.9

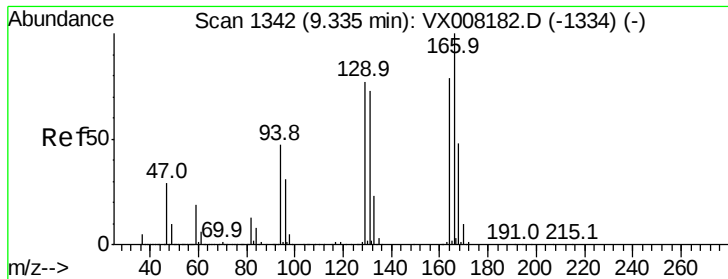


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.059 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW305D-20190312

Tot Ion:164 Resp: 4445

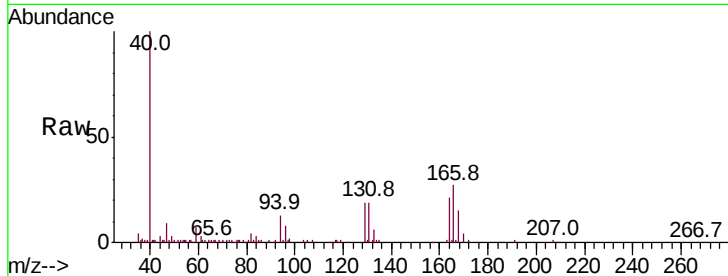
Ion Ratio Lower Upper

164 100

166 128.7 103.4 155.0

129 89.1 72.2 108.4

131 90.3 69.4 104.2



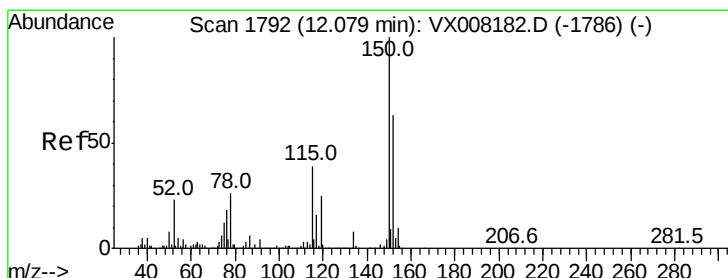
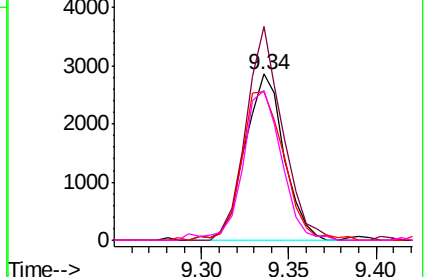
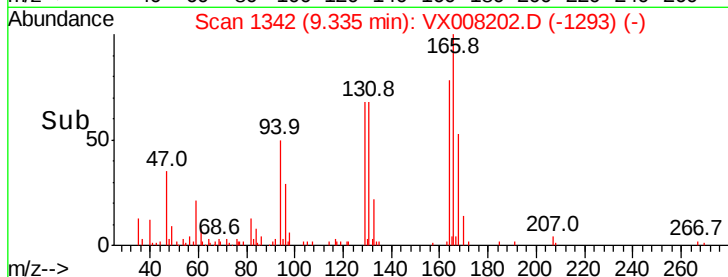
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008202.D

Acq: 19 Mar 2019 20:09

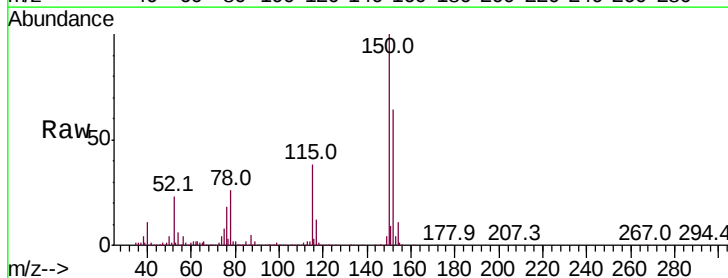
Tgt Ion:152 Resp: 188319

Ion Ratio Lower Upper

152 100

115 60.9 38.6 115.7

150 157.8 0.0 348.4



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

Time-->

