

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX112519\  
 Data File : VX013578.D  
 Acq On : 25 Nov 2019 13:50  
 Operator : JC/SP  
 Sample : VX1125WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBL01

Quant Time: Nov 25 14:21:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 686058   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1121194  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1010306  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 455795   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 408766   | 50.29 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.58% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 340810   | 48.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.92%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1342853  | 50.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.30% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 455184   | 47.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14%  |          |

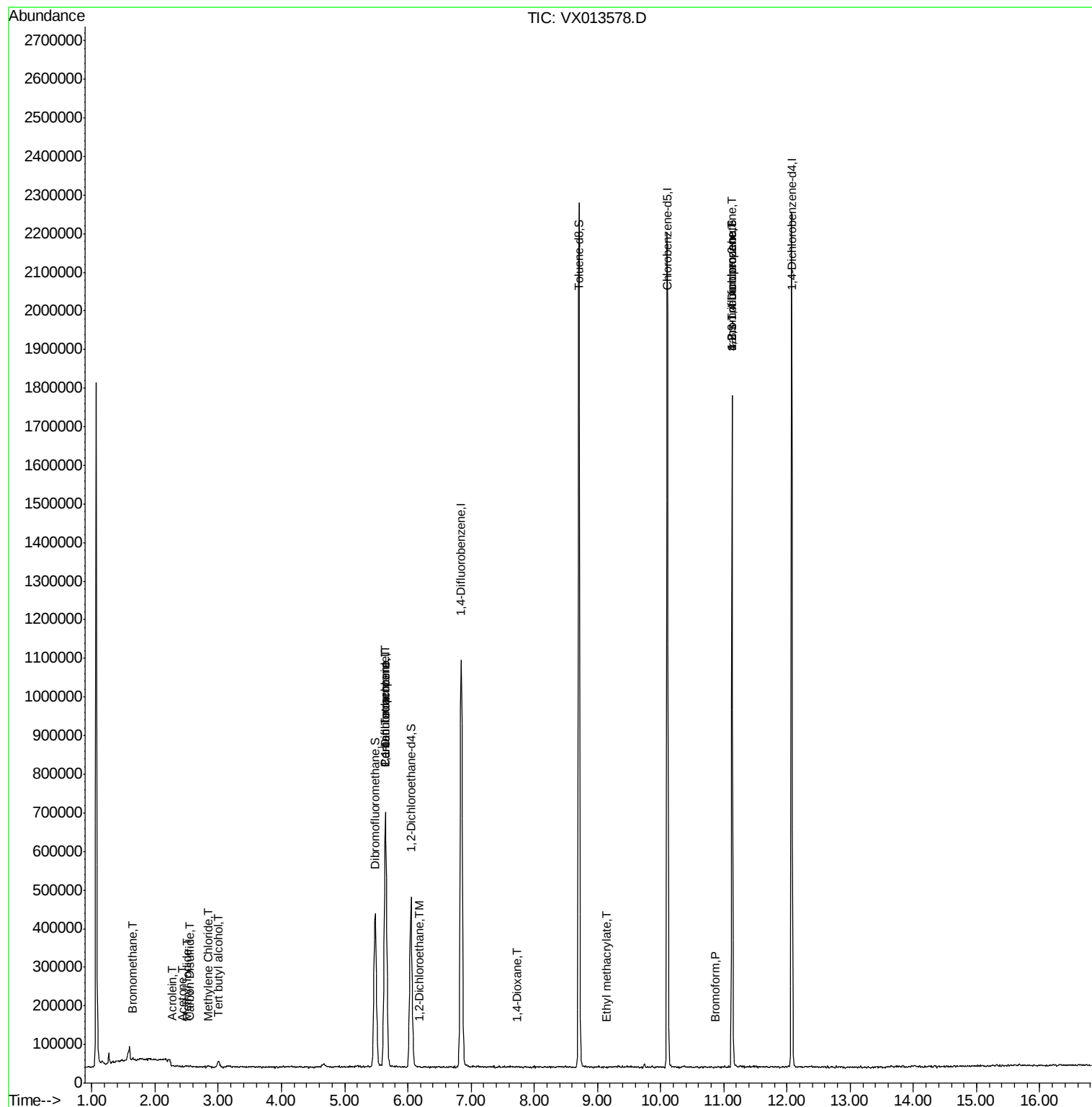
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.64  | 94   | 1986     | 0.292     | ug/l # | 53     |
| 6) Chloroethane                | 1.72  | 64   | 1367     | Below Cal | #      | 48     |
| 10) Methyl Iodide              | 2.51  | 142  | 2356     | 0.296     | ug/l   | 98     |
| 11) Tert butyl alcohol         | 3.00  | 59   | 9940     | 4.640     | ug/l # | 81     |
| 13) Acrolein                   | 2.26  | 56   | 435      | 0.375     | ug/l # | 71     |
| 16) Acetone                    | 2.43  | 43   | 849      | 0.209     | ug/l # | 1      |
| 17) Carbon Disulfide           | 2.56  | 76   | 4398     | 0.261     | ug/l # | 80     |
| 20) Methylene Chloride         | 2.84  | 84   | 1823     | 0.243     | ug/l # | 56     |
| 36) 1,1-Dichloropropene        | 5.64  | 75   | 44886    | 4.667     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 5.64  | 117  | 60848    | 6.469     | ug/l # | 16     |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 2724     | 0.252     | ug/l   | 84     |
| 49) 1,4-Dioxane                | 7.73  | 88   | 518      | 2.448     | ug/l # | 28     |
| 56) Ethyl methacrylate         | 9.15  | 69   | 161      | 1.575     | ug/l # | 1      |
| 71) Bromoform                  | 10.85 | 173  | 144      | 3.222     | ug/l # | 28     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 220746   | 23.844    | ug/l # | 34     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 220746   | 61.375    | ug/l # | 9      |

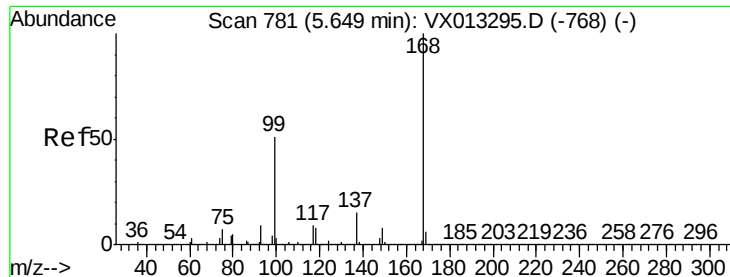
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX112519\  
Data File : VX013578.D  
Acq On : 25 Nov 2019 13:50  
Operator : JC/SP  
Sample : VX1125WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

Quant Time: Nov 25 14:21:39 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampled :

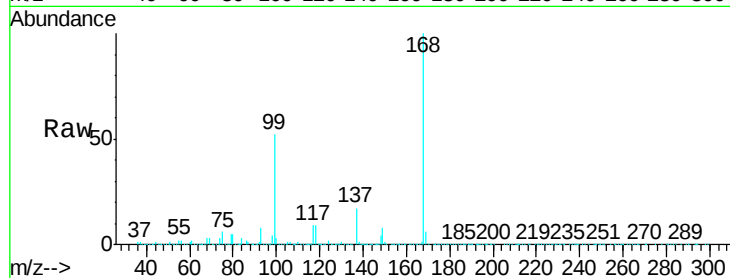
VX1125WBL01

Tgt Ion: 168 Resp: 686058

Ion Ratio Lower Upper

168 100

99 51.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

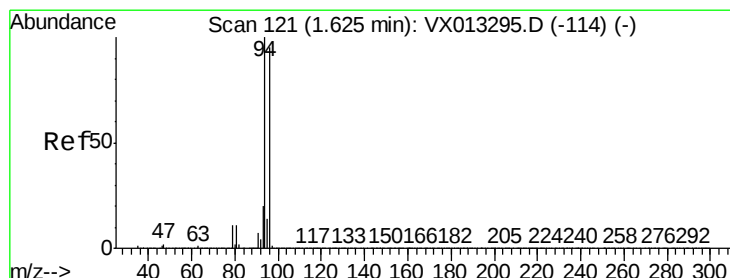
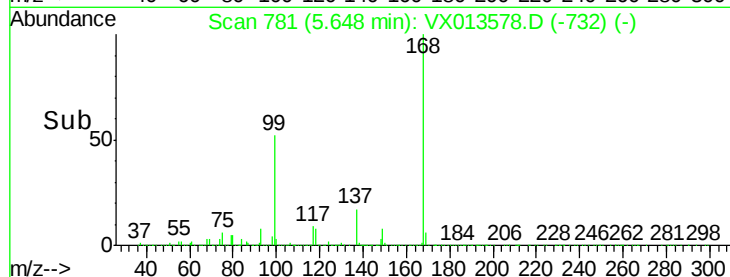
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013578.D

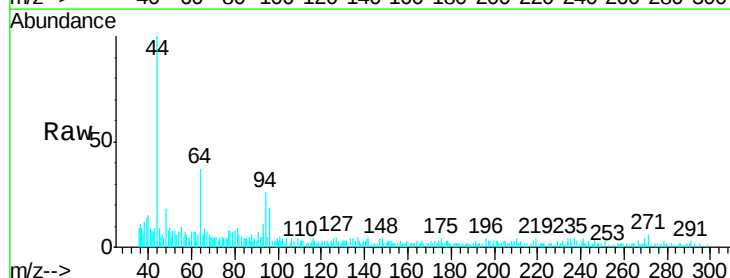
Acq: 25 Nov 2019 13:50

Tgt Ion: 94 Resp: 1986

Ion Ratio Lower Upper

94 100

96 49.3 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

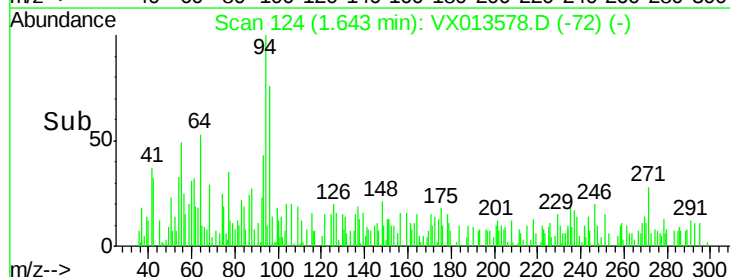
1500

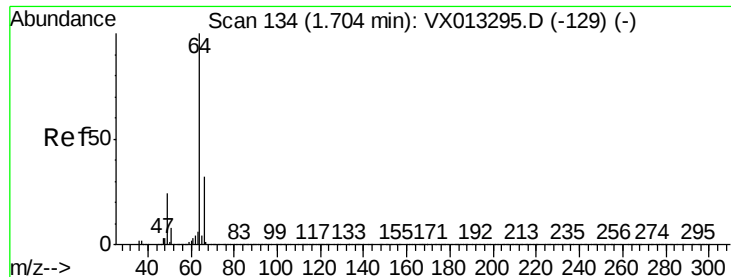
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampleId :

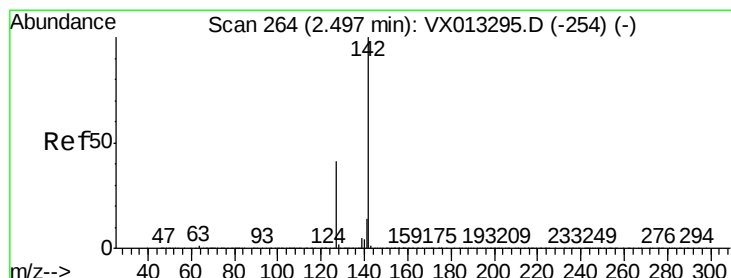
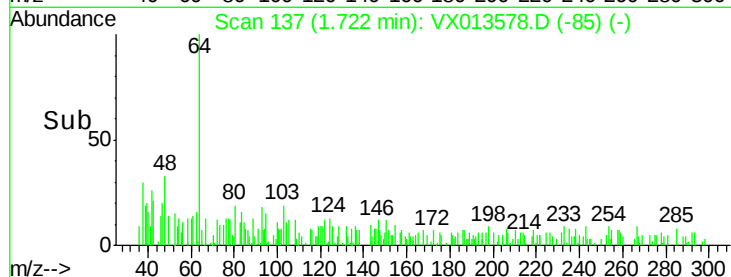
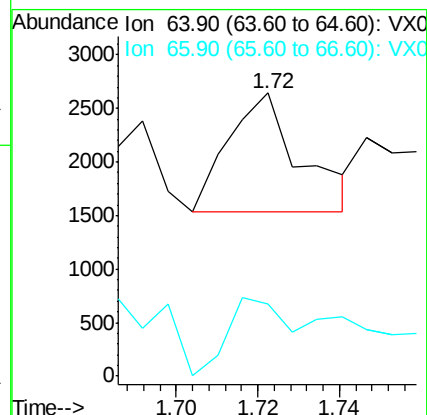
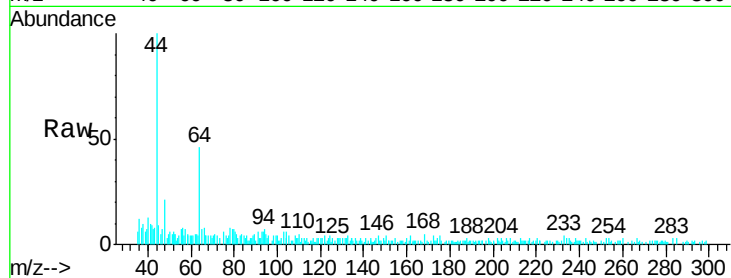
VX1125WBL01

Tgt Ion: 64 Resp: 1367

Ion Ratio Lower Upper

64 100

66 60.8 25.6 38.4#



#10

Methyl Iodide

Concen: 0.296 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

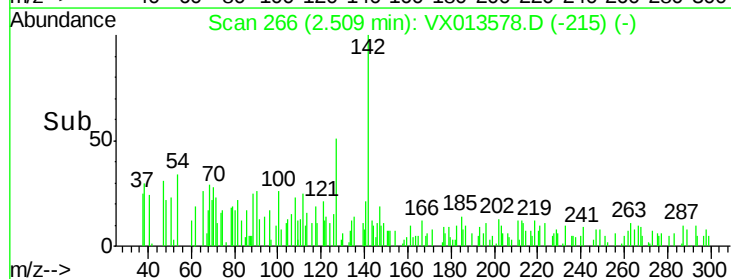
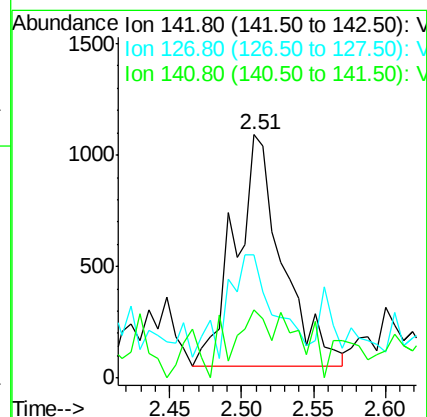
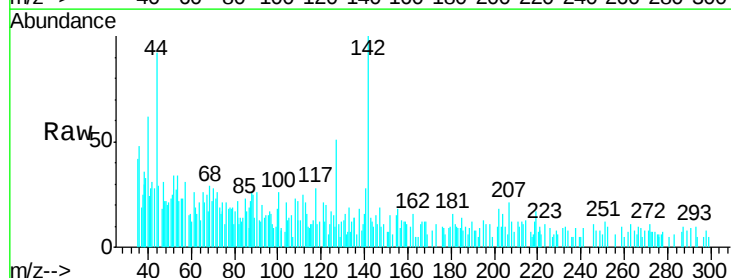
Tgt Ion: 142 Resp: 2356

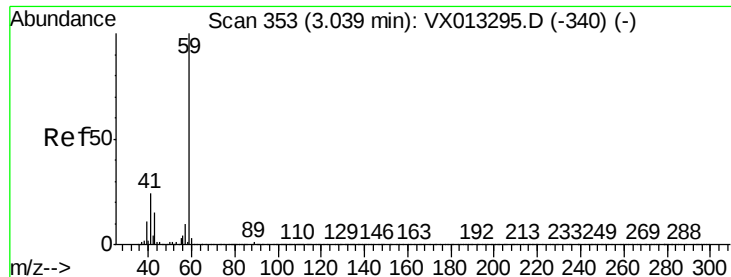
Ion Ratio Lower Upper

142 100

127 40.6 32.6 49.0

141 11.9 11.6 17.4



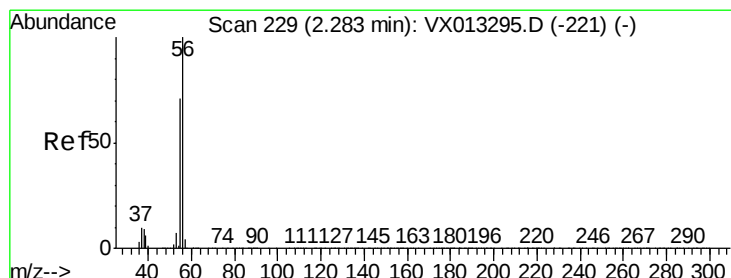
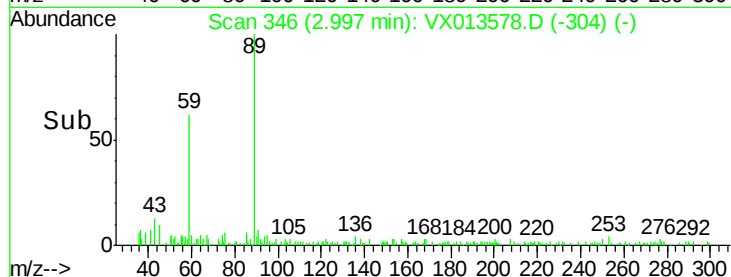
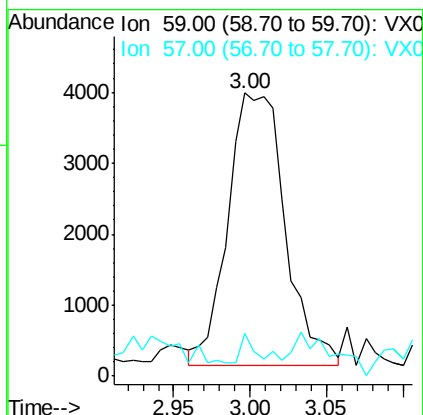
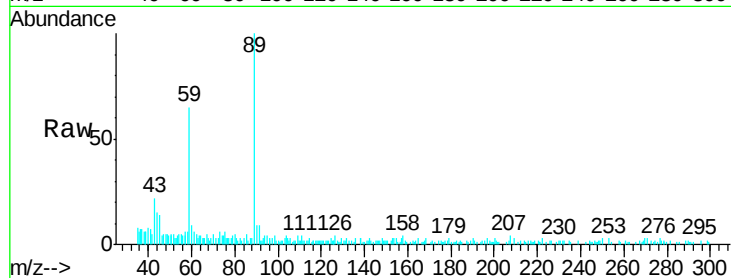


#11

Tert butyl alcohol  
Concen: 4.640 ug/l  
RT: 3.00 min Scan# 346  
Delta R.T. -0.04 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

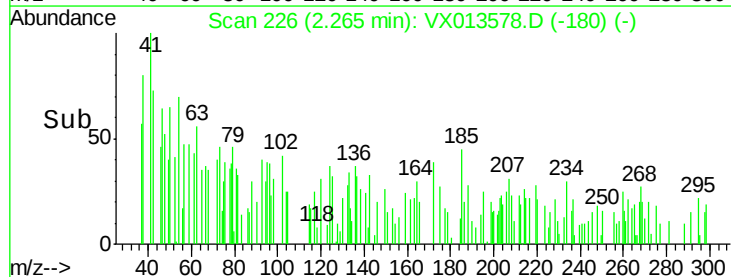
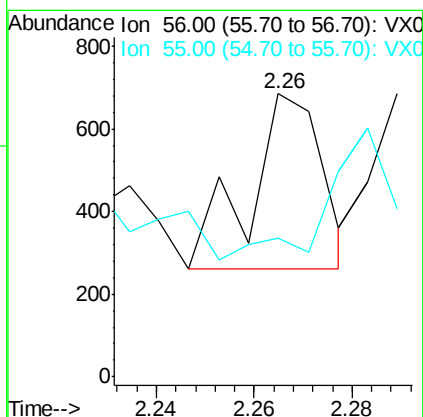
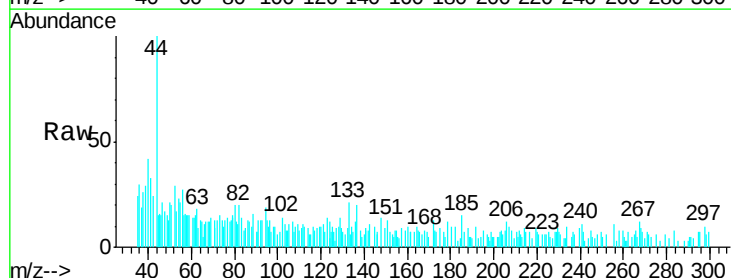
Tgt Ion: 59 Resp: 9940  
Ion Ratio Lower Upper  
59 100  
57 3.0 8.0 12.0#

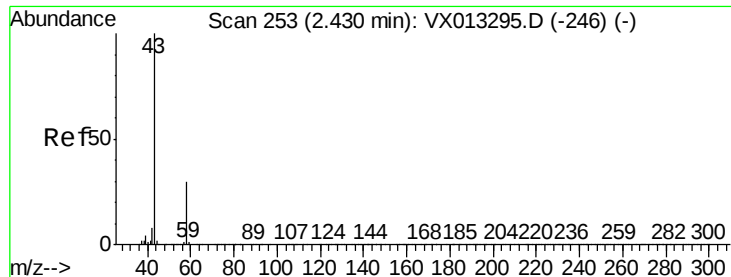


#13

Acrolein  
Concen: 0.375 ug/l  
RT: 2.26 min Scan# 226  
Delta R.T. -0.02 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

Tgt Ion: 56 Resp: 435  
Ion Ratio Lower Upper  
56 100  
55 95.9 57.4 86.0#





#16

Acetone

Concen: 0.209 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampled :

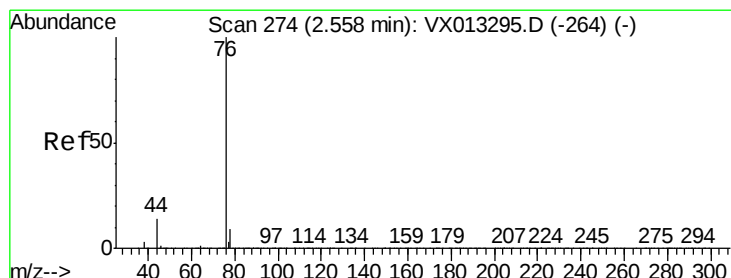
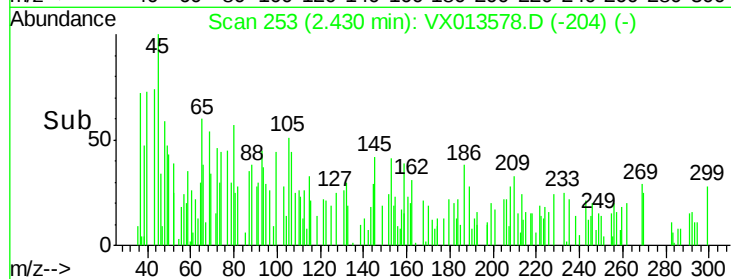
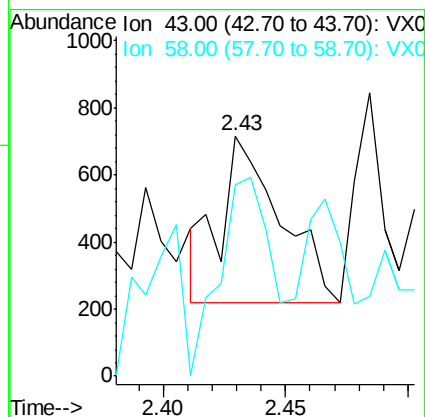
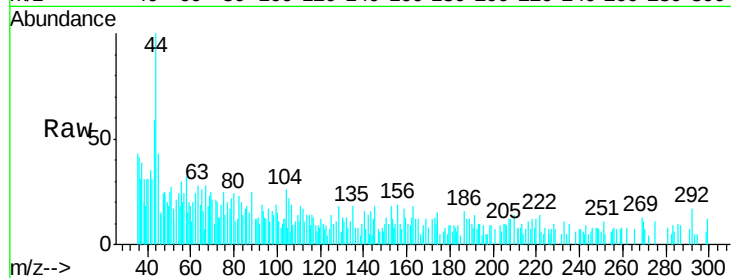
VX1125WBL01

Tgt Ion: 43 Resp: 849

Ion Ratio Lower Upper

43 100

58 115.3 24.3 36.5#



#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013578.D

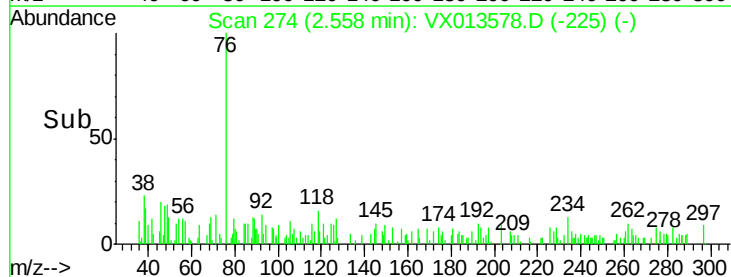
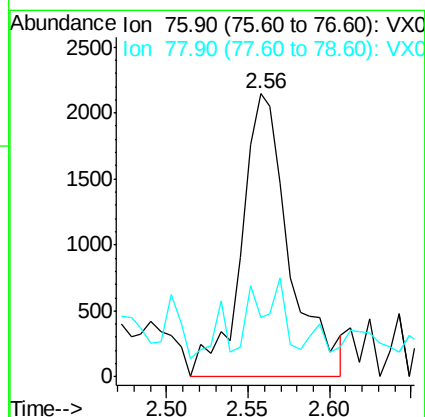
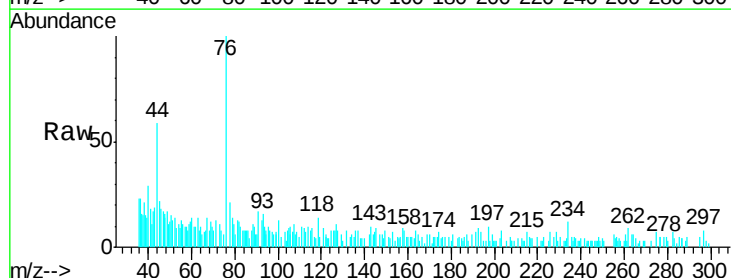
Acq: 25 Nov 2019 13:50

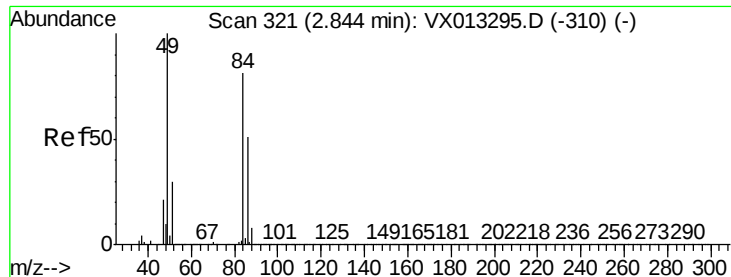
Tgt Ion: 76 Resp: 4398

Ion Ratio Lower Upper

76 100

78 16.2 7.0 10.6#

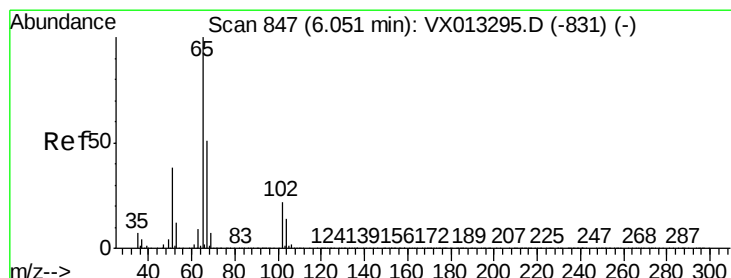
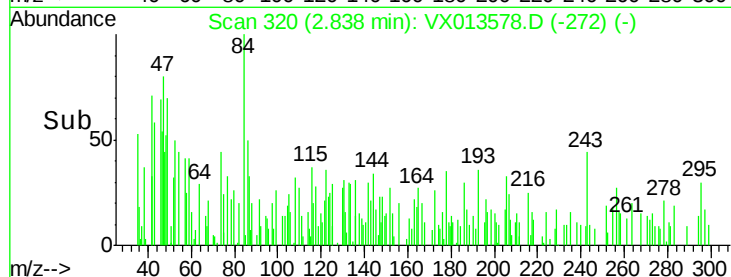
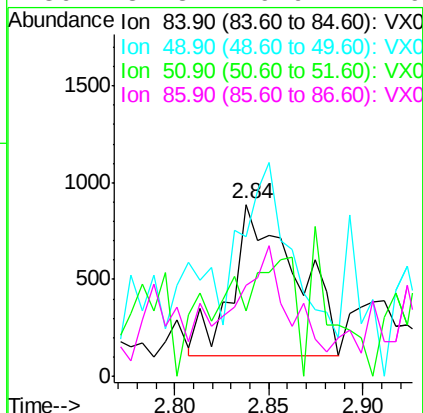
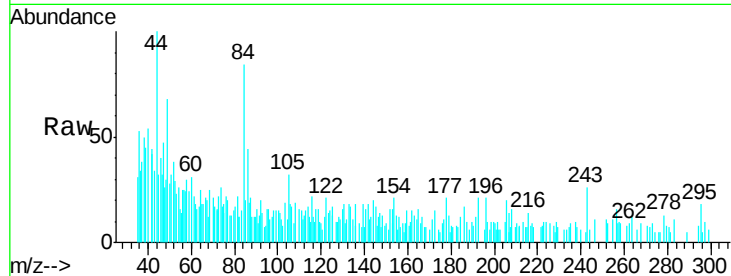




#20  
Methylene Chloride  
Concen: 0.243 ug/l  
RT: 2.84 min Scan# 320  
Delta R.T. -0.01 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

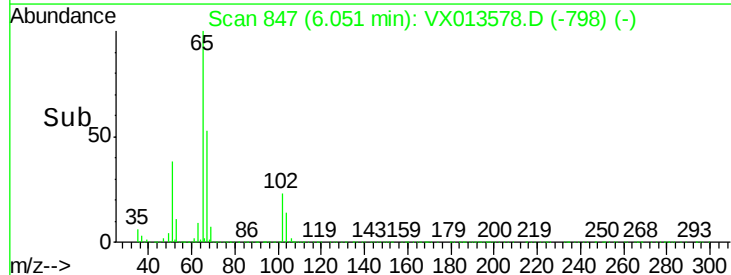
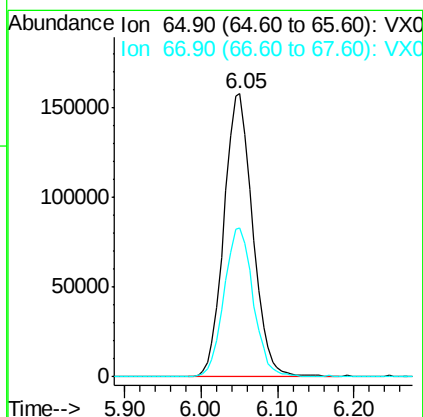
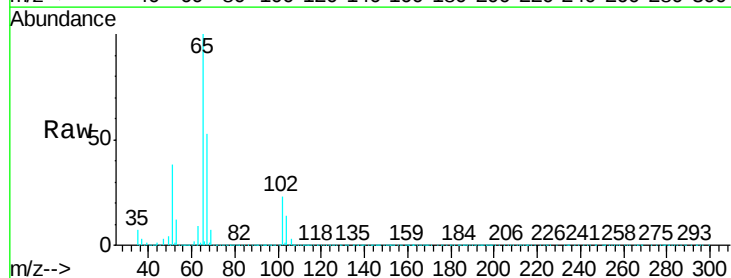
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

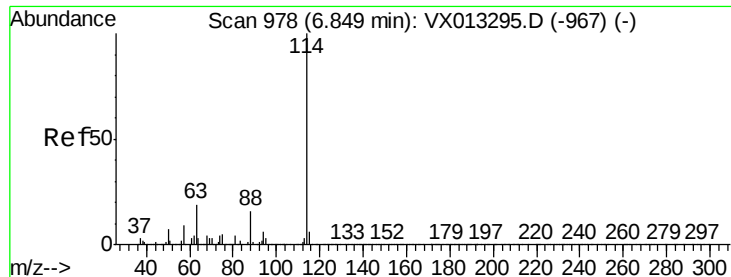
Tgt Ion: 84 Resp: 1823  
Ion Ratio Lower Upper  
84 100  
49 67.6 98.2 147.4#  
51 9.7 29.9 44.9#  
86 37.3 49.9 74.9#



#33  
1,2-Dichloroethane-d4  
Concen: 50.293 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

Tgt Ion: 65 Resp: 408766  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBL01

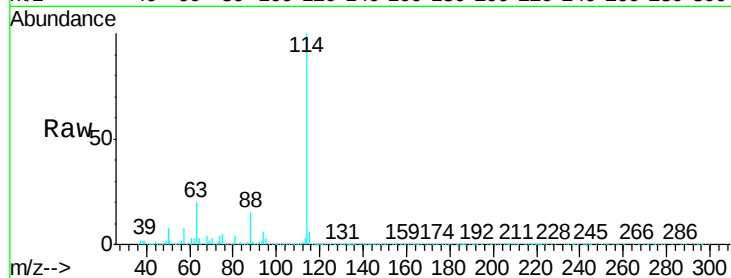
Tgt Ion:114 Resp: 1121194

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 14.8 0.0 32.2



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

600000

500000

400000

300000

200000

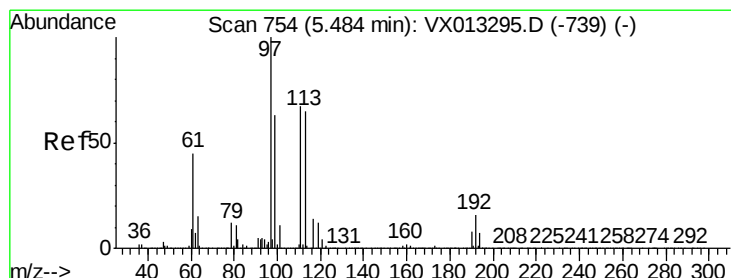
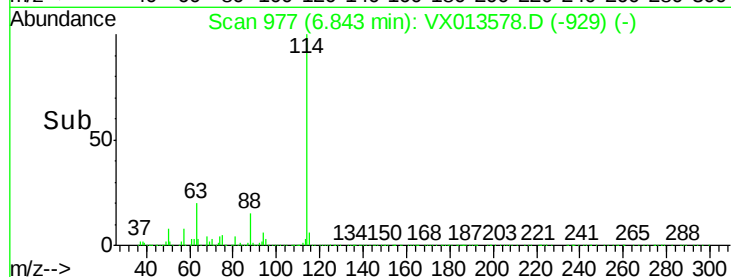
100000

0

6.84

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.464 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

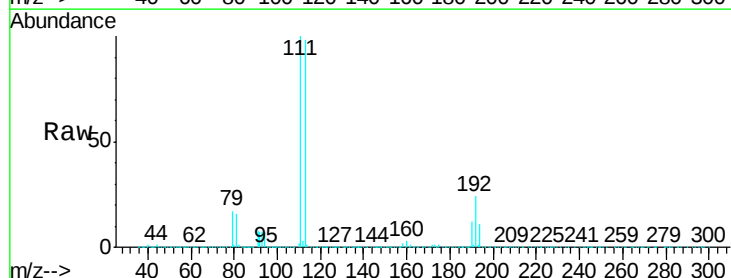
Tgt Ion:113 Resp: 340810

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 23.4 19.1 28.7



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

150000

100000

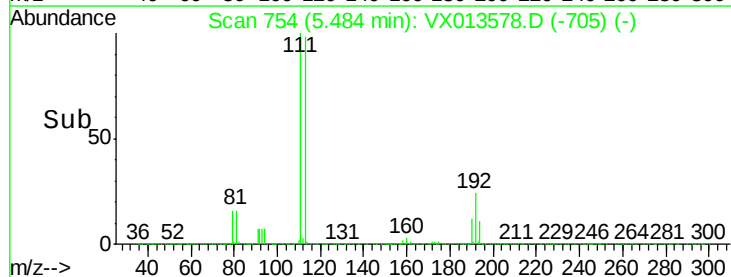
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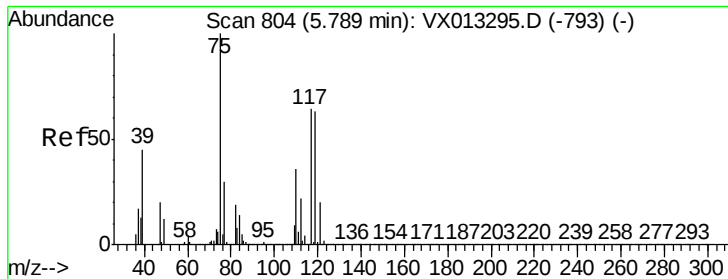
0

5.48

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBL01

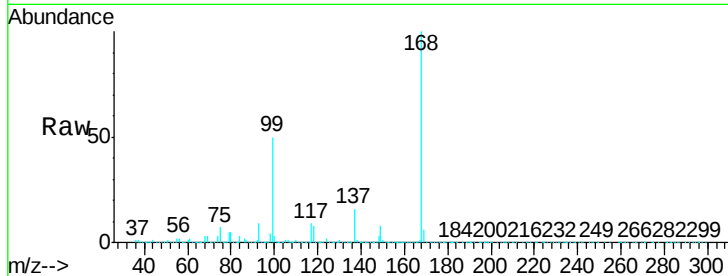
Tgt Ion: 75 Resp: 44886

Ion Ratio Lower Upper

75 100

110 6.6 18.1 54.1#

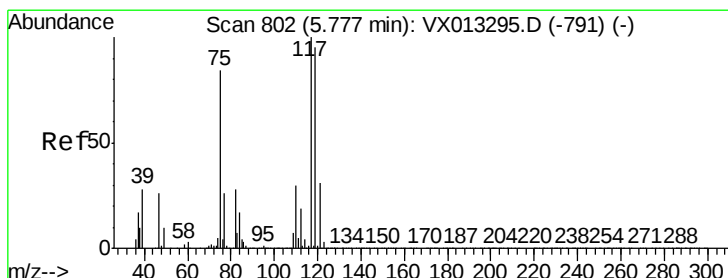
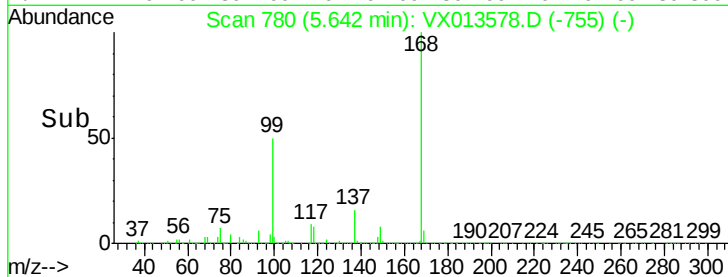
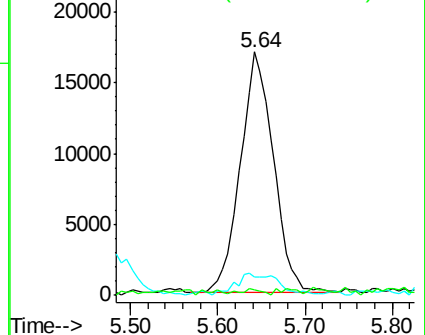
77 1.2 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.469 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

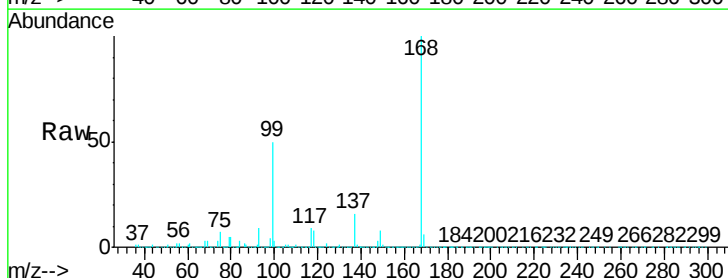
Tgt Ion: 117 Resp: 60848

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

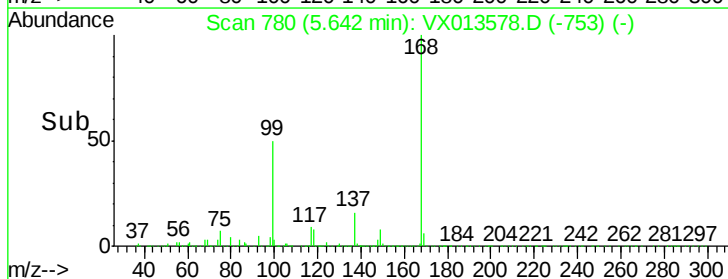
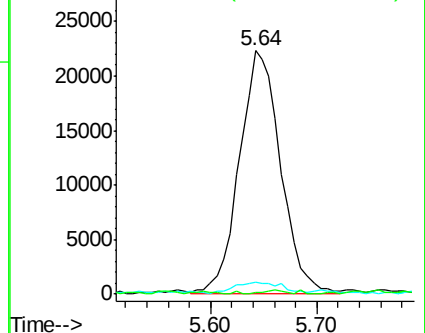
121 1.0 24.6 37.0#

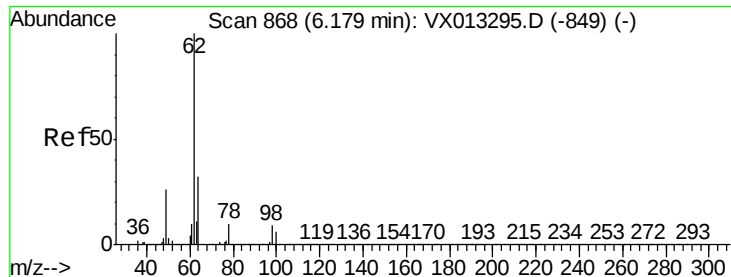


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampled :

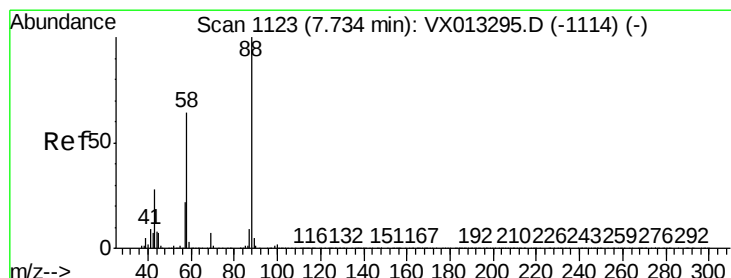
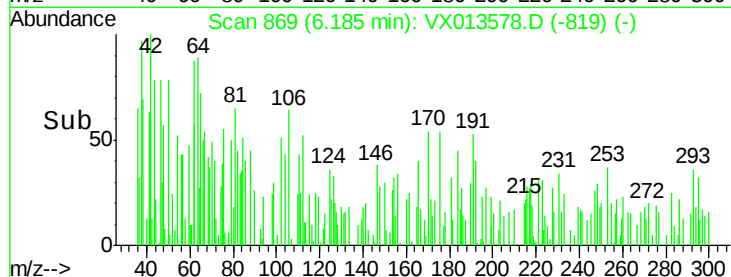
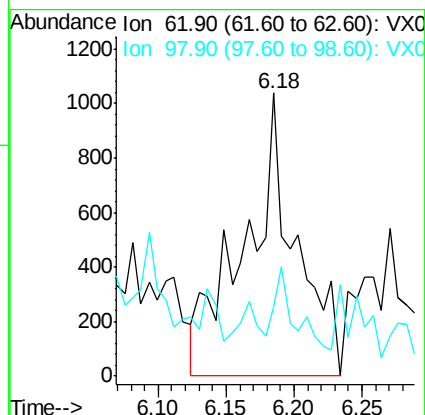
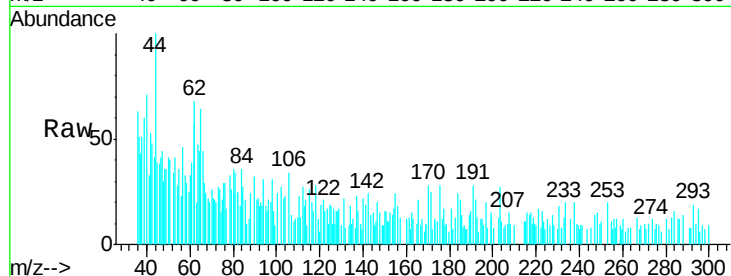
VX1125WBL01

Tgt Ion: 62 Resp: 2724

Ion Ratio Lower Upper

62 100

98 15.5 0.0 19.4



#49

1,4-Dioxane

Concen: 2.448 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

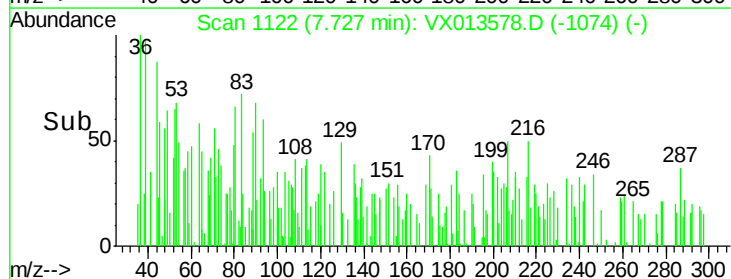
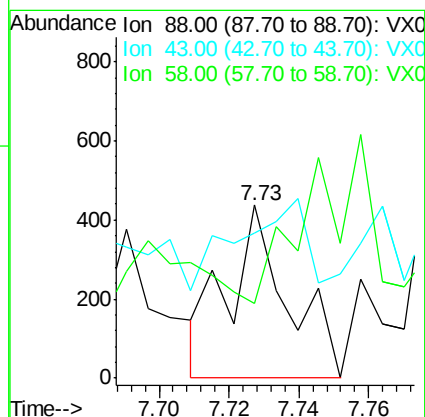
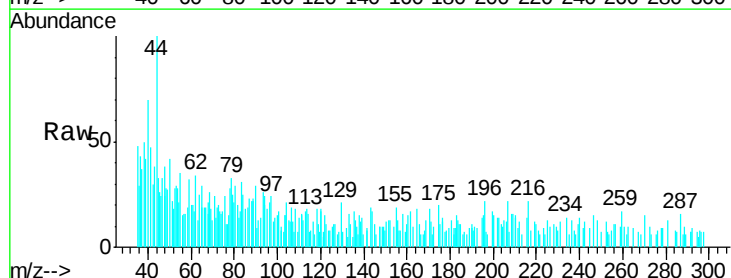
Tgt Ion: 88 Resp: 518

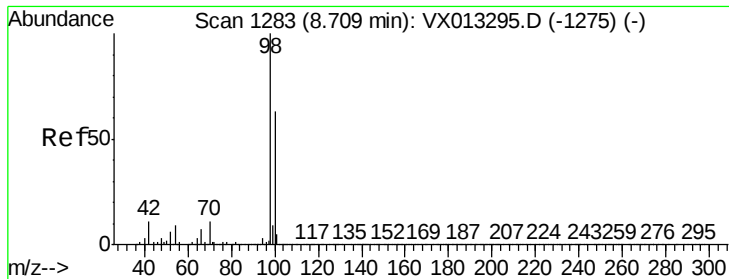
Ion Ratio Lower Upper

88 100

43 59.7 26.6 39.8#

58 0.0 55.0 82.6#

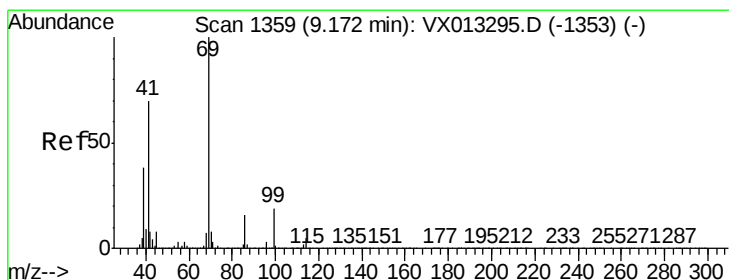
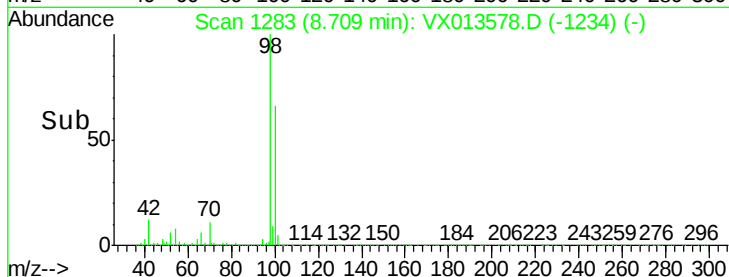
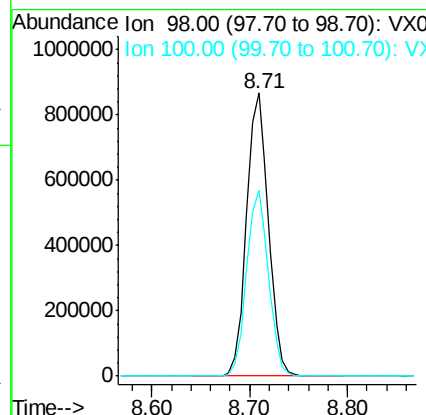
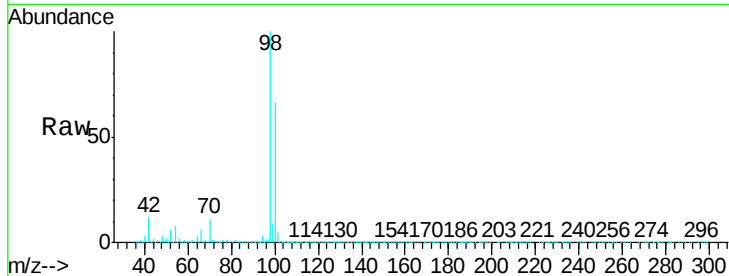




#50  
Toluene-d8  
Concen: 50.653 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

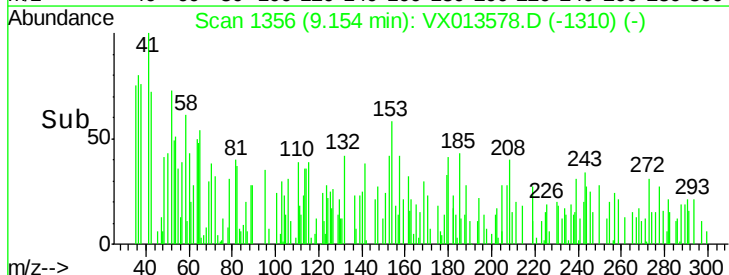
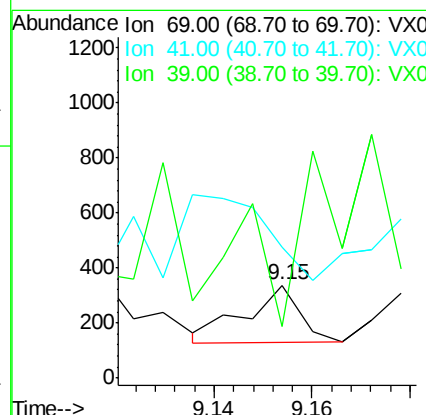
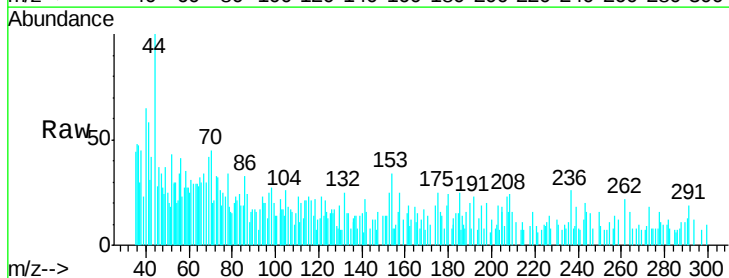
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

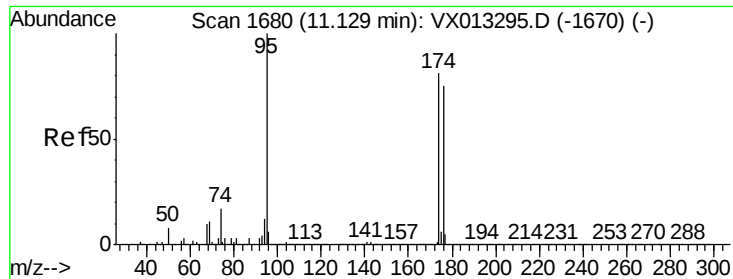
Tgt Ion: 98 Resp: 1342853  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.2 78.2



#56  
Ethyl methacrylate  
Concen: 1.575 ug/l  
RT: 9.15 min Scan# 1356  
Delta R.T. -0.02 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

Tgt Ion: 69 Resp: 161  
Ion Ratio Lower Upper  
69 100  
41 0.0 56.2 84.2#  
39 155.3 31.1 46.7#

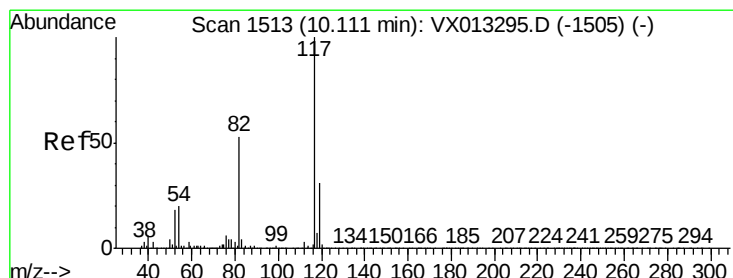
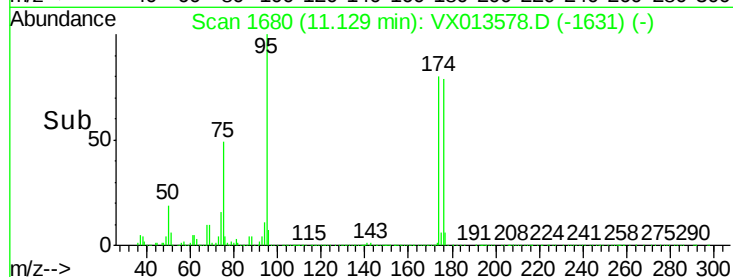
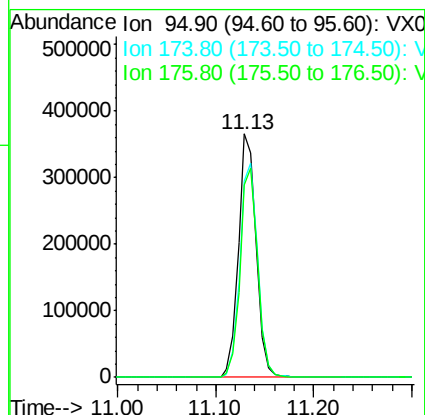
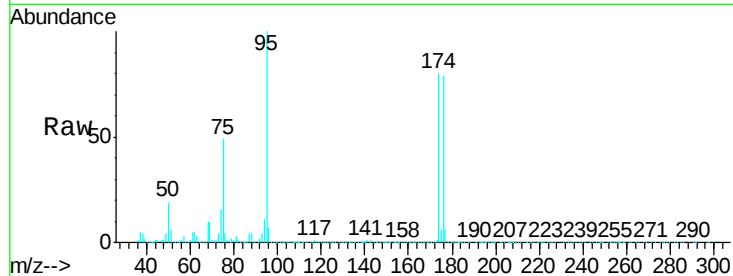




#62  
4-Bromofluorobenzene  
Concen: 47.574 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

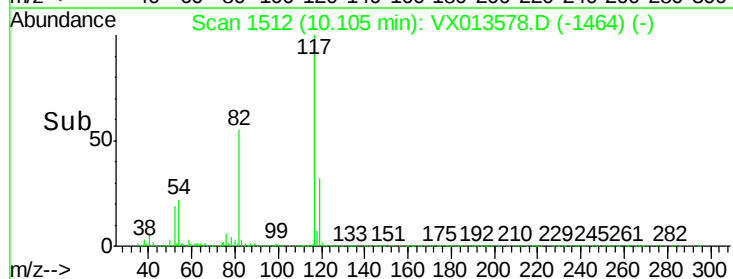
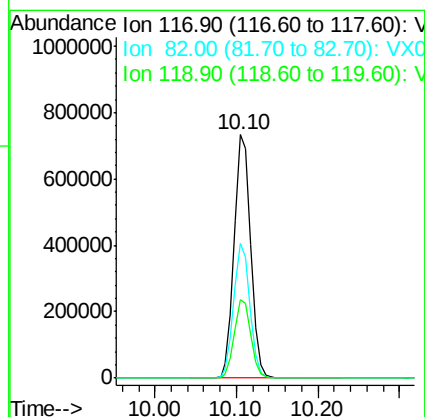
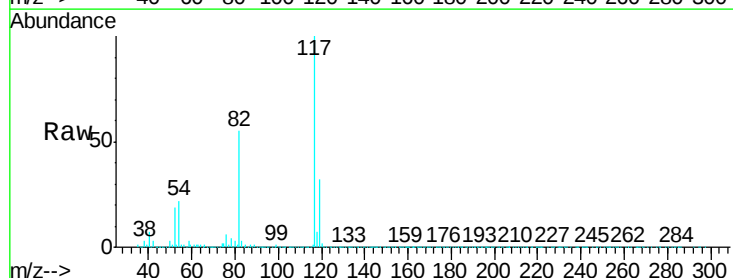
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

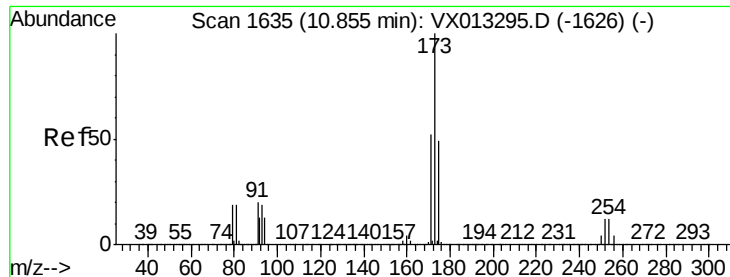
Tgt Ion: 95 Resp: 455184  
Ion Ratio Lower Upper  
95 100  
174 89.0 0.0 179.8  
176 85.5 0.0 173.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX013578.D  
Acq: 25 Nov 2019 13:50

Tgt Ion: 117 Resp: 1010306  
Ion Ratio Lower Upper  
117 100  
82 55.4 42.6 64.0  
119 32.4 24.8 37.2





#71

Bromoform

Concen: 3.222 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBL01

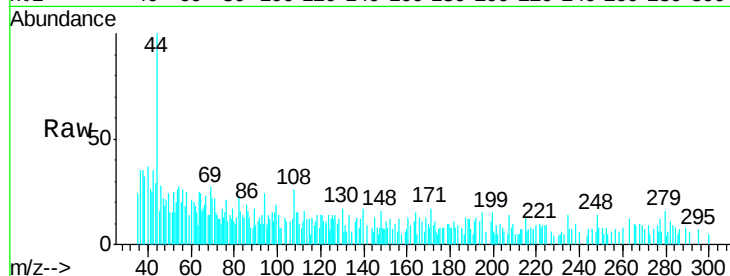
Tgt Ion:173 Resp: 144

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

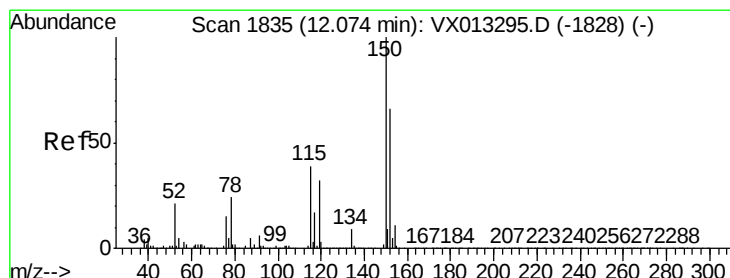
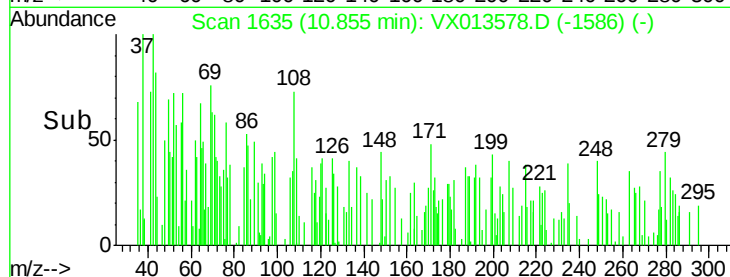
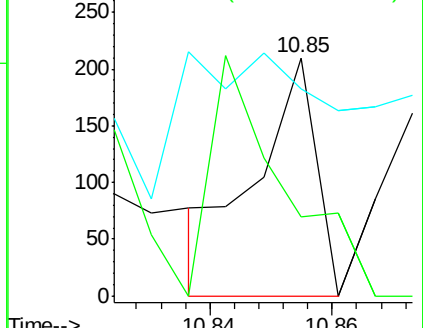
254 121.5 0.2 0.2#



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: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

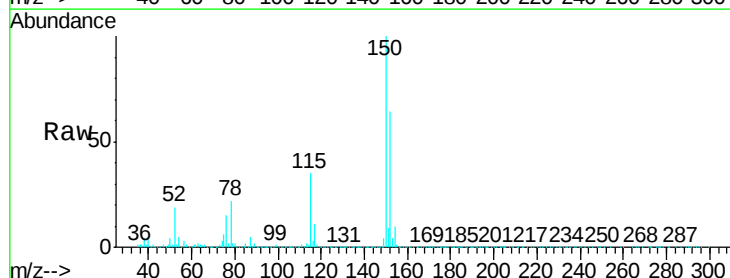
Tgt Ion:152 Resp: 455795

Ion Ratio Lower Upper

152 100

115 55.8 39.5 118.3

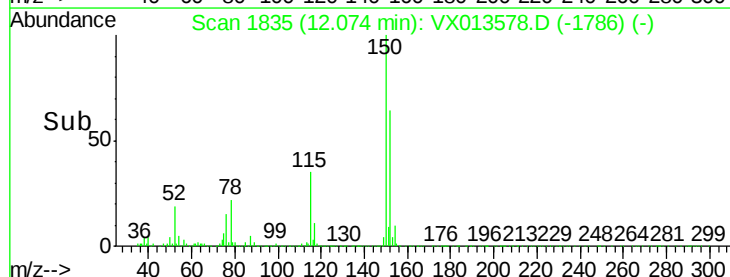
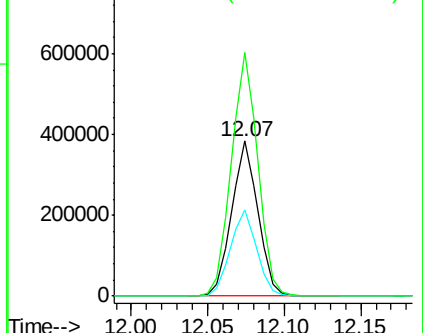
150 158.6 0.0 344.4

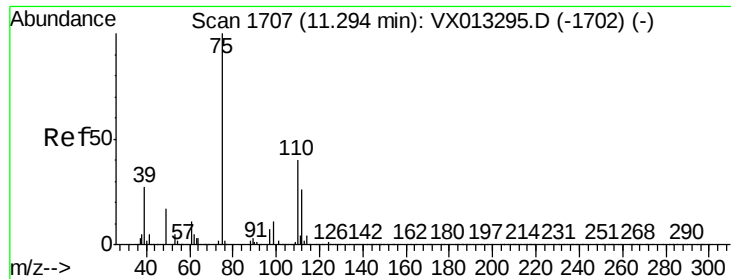


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.844 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Instrument :

MSVOA\_X

ClientSampleId :

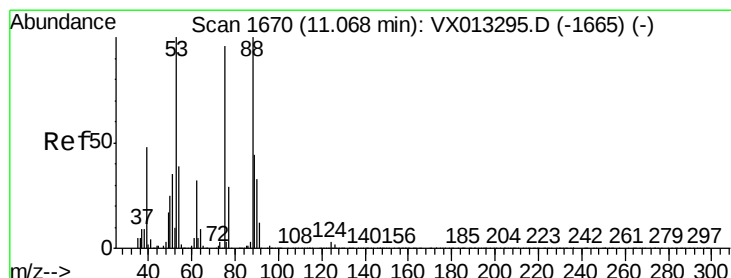
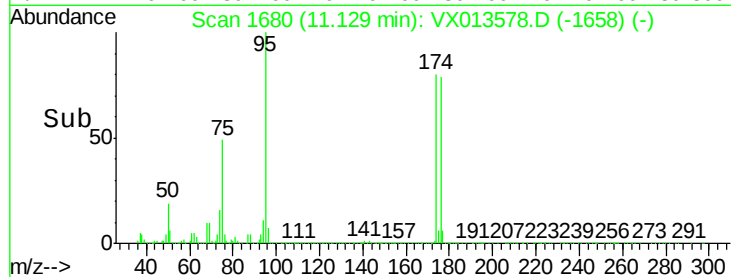
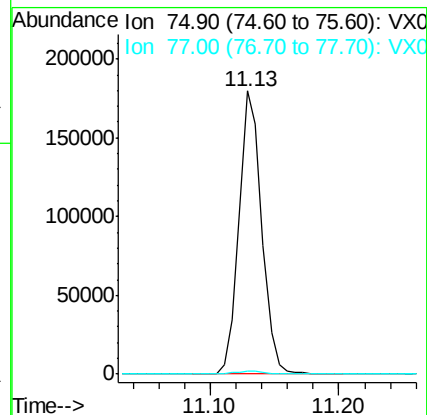
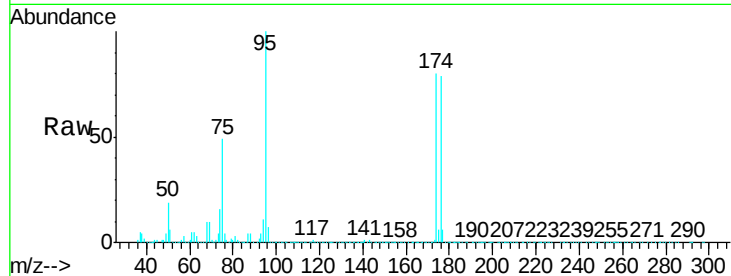
VX1125WBL01

Tgt Ion: 75 Resp: 220746

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.375 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013578.D

Acq: 25 Nov 2019 13:50

Tgt Ion: 75 Resp: 220746

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.2 36.0 54.0#

