

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\  
 Data File : VX009857.D  
 Acq On : 23 May 2019 14:44  
 Operator : JC/SP  
 Sample : K2977-10 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-PZ-W1-2

Quant Time: May 24 03:50:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 173462   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 280784   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 246514   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 108460   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 119794   | 50.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 86379    | 48.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.88%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 352623   | 49.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.96%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 120724   | 46.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.24%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 513      | 0.235     | ug/l # | 43     |
| 5) Bromomethane                | 1.64  | 94   | 363      | 0.284     | ug/l   | 91     |
| 10) Methyl Iodide              | 2.52  | 142  | 188      | 4.684     | ug/l # | 42     |
| 11) Tert butyl alcohol         | 3.01  | 59   | 3618     | 6.601     | ug/l # | 76     |
| 16) Acetone                    | 2.45  | 43   | 36277    | 28.531    | ug/l   | 100    |
| 25) 2-Butanone                 | 4.68  | 43   | 13514    | 6.839     | ug/l   | 98     |
| 28) Bromochloromethane         | 5.02  | 49   | 79       | Below Cal | #      | 20     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 13870    | 5.315     | ug/l # | 46     |
| 37) Ethyl Acetate              | 4.68  | 43   | 13514    | 3.717     | ug/l # | 75     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 16368    | 6.904     | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.46  | 83   | 665      | 0.208     | ug/l   | 91     |
| 49) 1,4-Dioxane                | 7.82  | 88   | 26       | 0.444     | ug/l # | 1      |
| 67) Ethyl Benzene              | 10.25 | 91   | 16883    | 1.860     | ug/l   | 97     |
| 68) m/p-Xylenes                | 10.36 | 106  | 43799    | 13.206    | ug/l   | 95     |
| 69) o-Xylene                   | 10.70 | 106  | 4878     | 1.491     | ug/l   | 97     |
| 73) Isopropylbenzene           | 11.02 | 105  | 32751    | 4.152     | ug/l   | 98     |
| 74) N-amyl acetate             | 10.91 | 43   | 1212     | 0.264     | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 1260     | 0.429     | ug/l # | 37     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 62535    | 24.856    | ug/l # | 34     |
| 78) n-propylbenzene            | 11.36 | 91   | 63449    | 7.044     | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 18778    | 3.379     | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 86753    | 13.063    | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 62535    | 63.598    | ug/l # | 10     |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 9736     | 1.551     | ug/l # | 46     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 4071     | 0.630     | ug/l   | 89     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 532795   | 79.929    | ug/l   | 100    |
| 85) sec-Butylbenzene           | 11.94 | 105  | 19083    | 2.492     | ug/l   | 99     |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 13171    | 1.913     | ug/l   | 93     |
| 89) n-Butylbenzene             | 12.38 | 91   | 15252    | 2.451     | ug/l # | 44     |
| 90) Hexachloroethane           | 12.61 | 117  | 2922     | 2.491     | ug/l # | 7      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 318      | 0.482     | ug/l # | 2      |
| 95) Naphthalene                | 13.83 | 128  | 48333    | 6.112     | ug/l   | 98     |

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Sample : K2977-10 20X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-PZ-W1-2

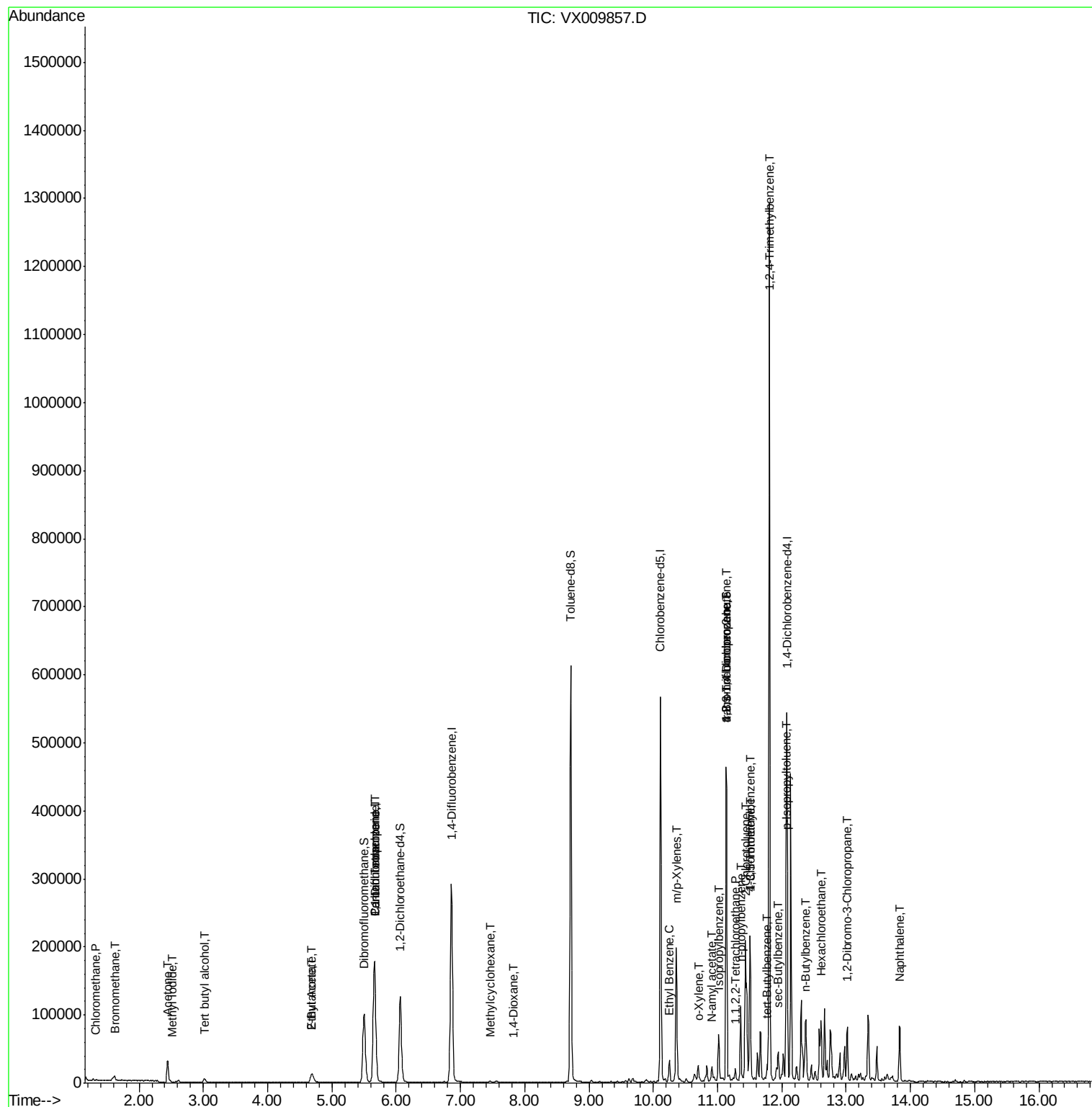
Quant Time: May 24 03:50:26 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

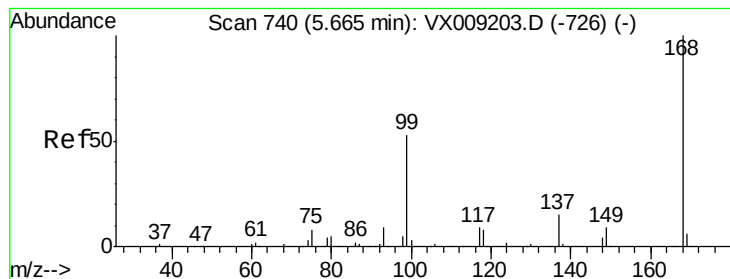
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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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: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

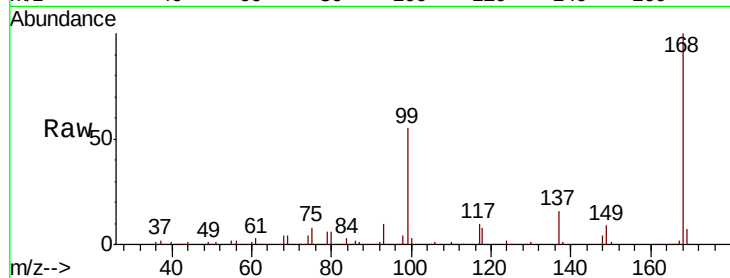
EP1-PZ-W1-2

Tot Ion:168 Resp: 173462

Ion Ratio Lower Upper

168 100

99 55.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

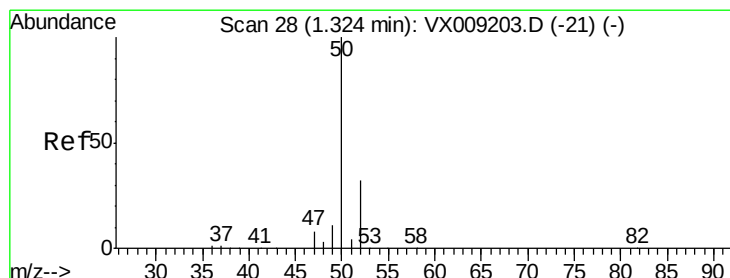
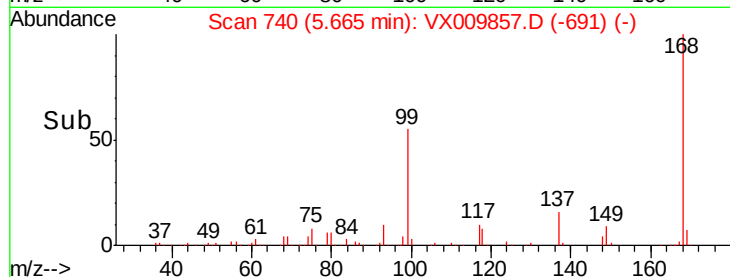
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009857.D

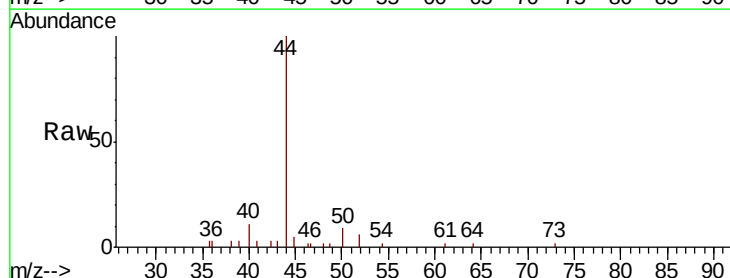
Acq: 23 May 2019 14:44

Tgt Ion: 50 Resp: 513

Ion Ratio Lower Upper

50 100

52 64.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

250

200

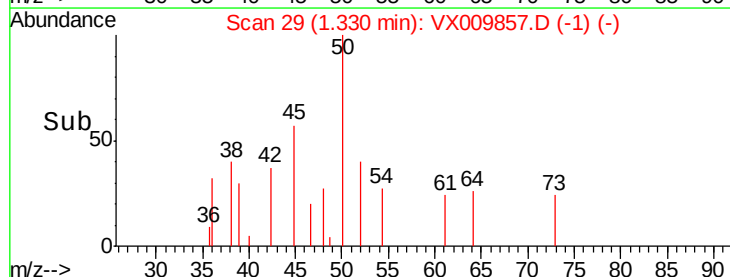
150

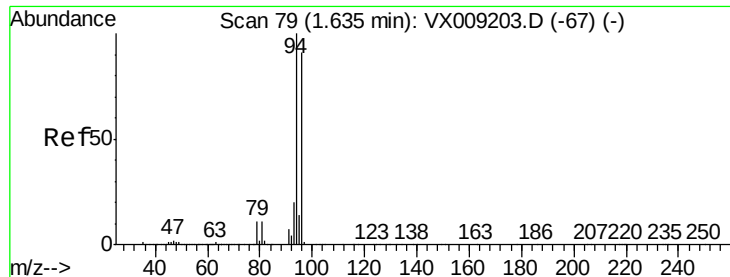
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.284 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

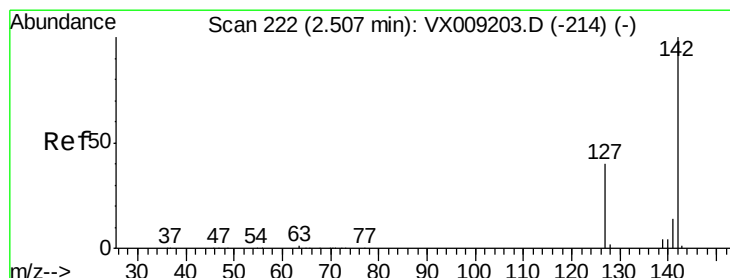
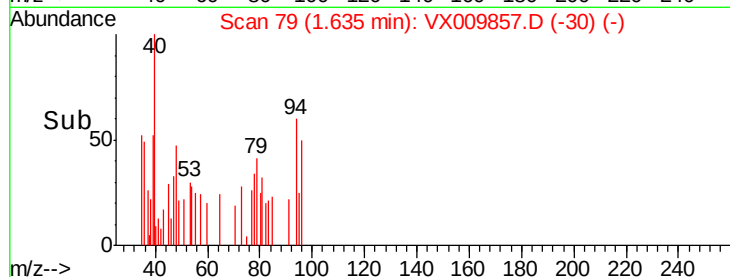
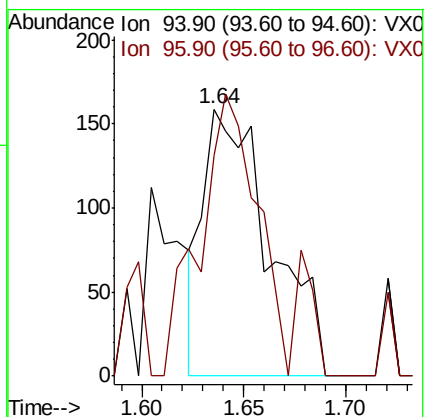
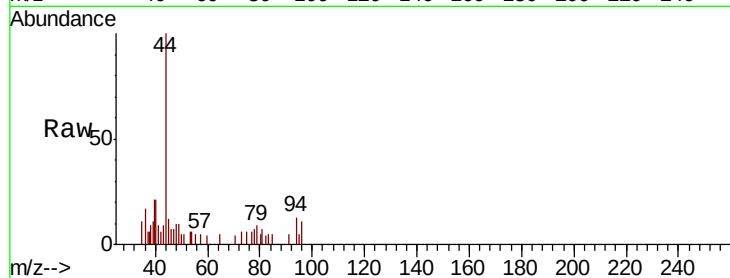
EP1-PZ-W1-2

Tot Ion: 94 Resp: 363

Ion Ratio Lower Upper

94 100

96 82.4 73.0 109.6



#10

Methyl Iodide

Concen: 4.684 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

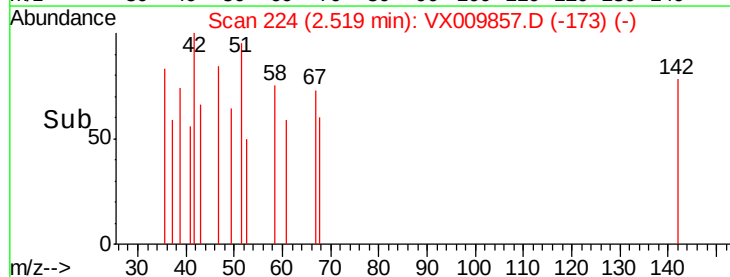
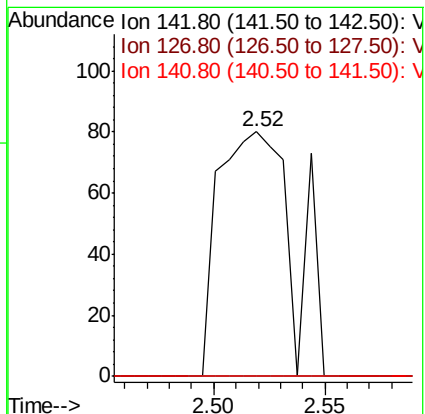
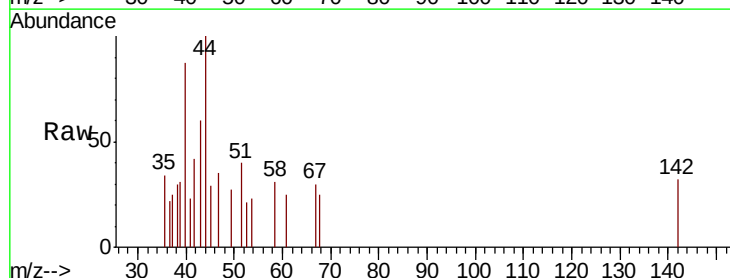
Tgt Ion: 142 Resp: 188

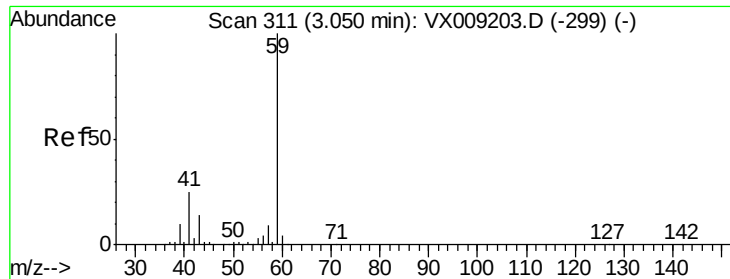
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#

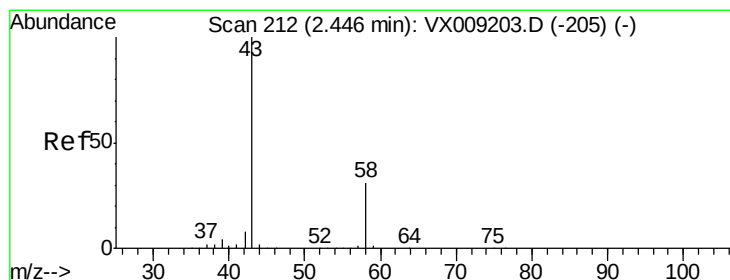
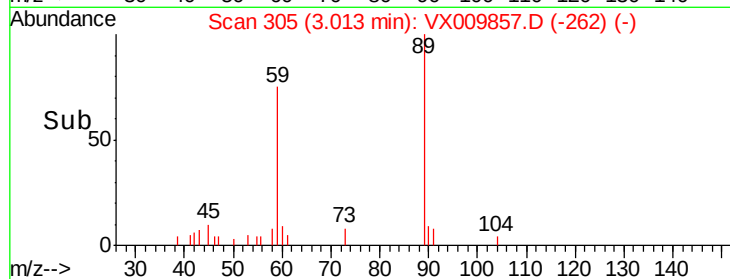
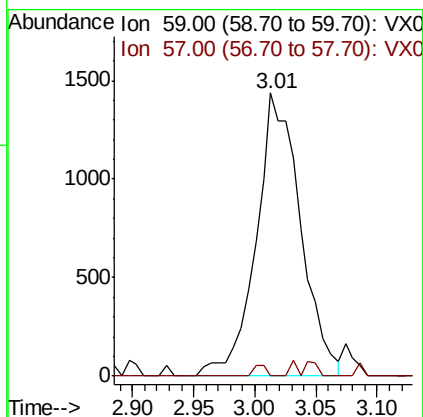
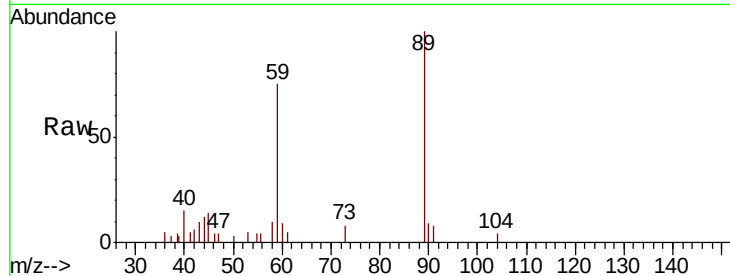




#11  
Tert butyl alcohol  
Concen: 6.601 ug/l  
RT: 3.01 min Scan# 305  
Delta R.T. -0.04 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

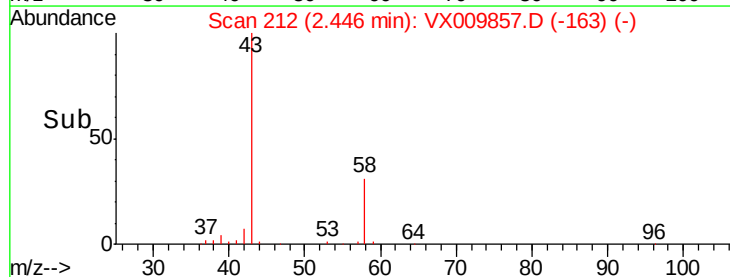
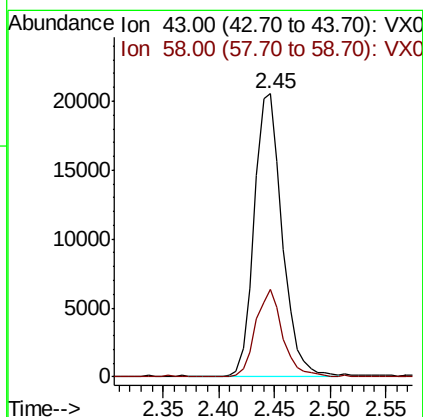
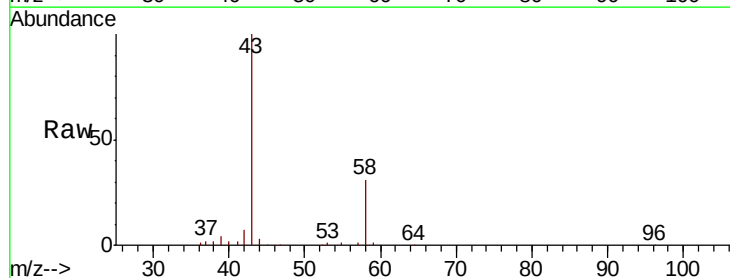
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-PZ-W1-2

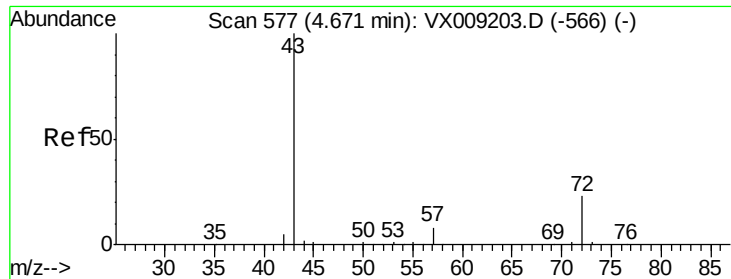
Tot Ion: 59 Resp: 3618  
Ion Ratio Lower Upper  
59 100  
57 1.1 8.2 12.2#



#16  
Acetone  
Concen: 28.531 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Tgt Ion: 43 Resp: 36277  
Ion Ratio Lower Upper  
43 100  
58 30.9 24.9 37.3





#25

2-Butanone

Concen: 6.839 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

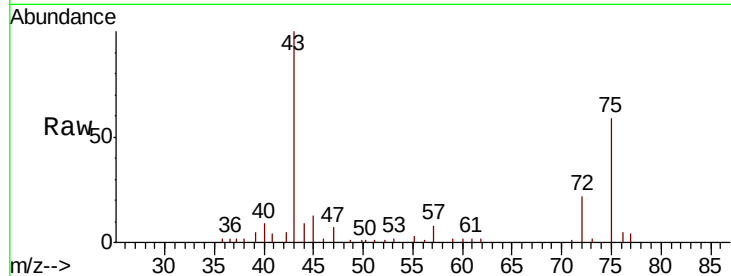
EP1-PZ-W1-2

Tot Ion: 43 Resp: 13514

Ion Ratio Lower Upper

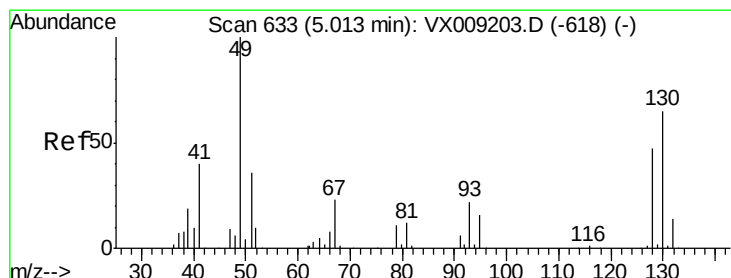
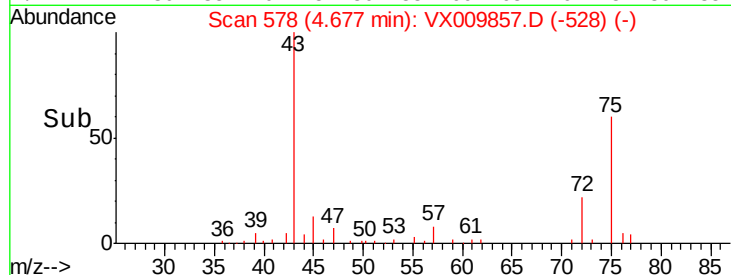
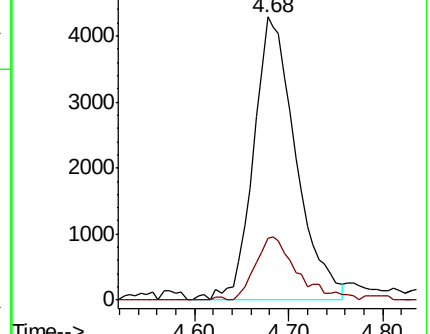
43 100

72 21.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

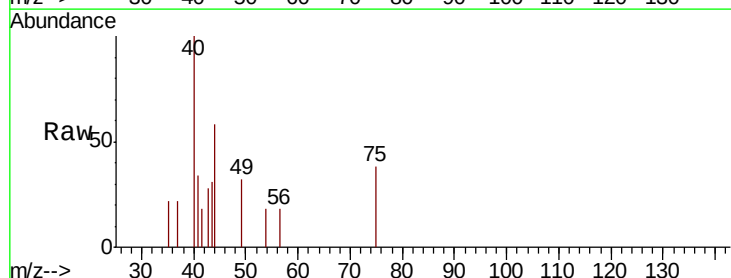
Tgt Ion: 49 Resp: 79

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

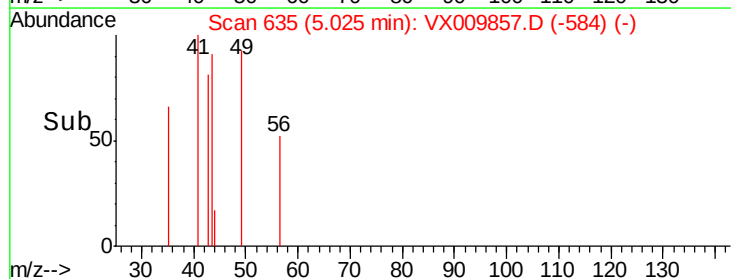
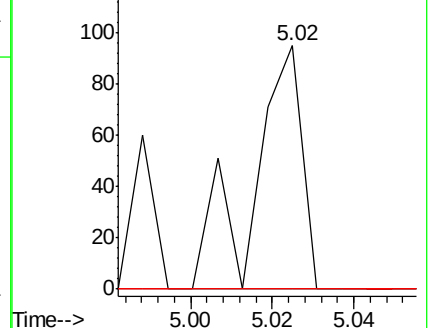
130 0.0 51.2 76.8#

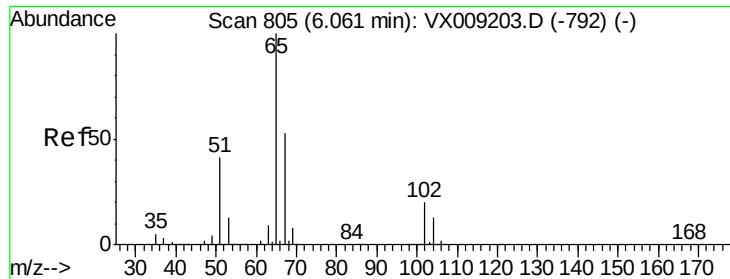


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

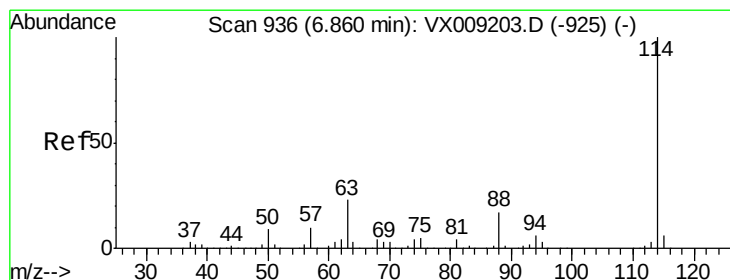
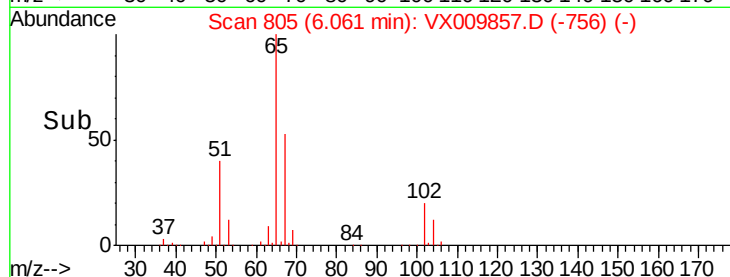
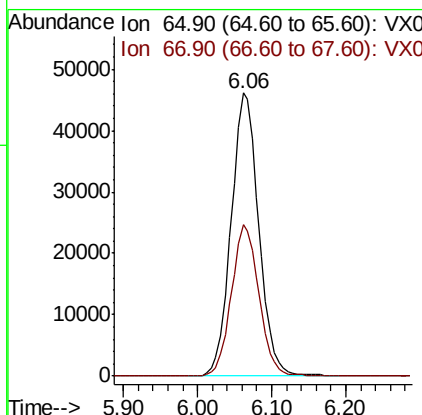
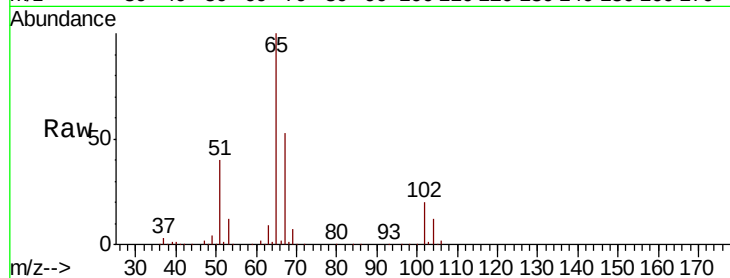




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.589 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

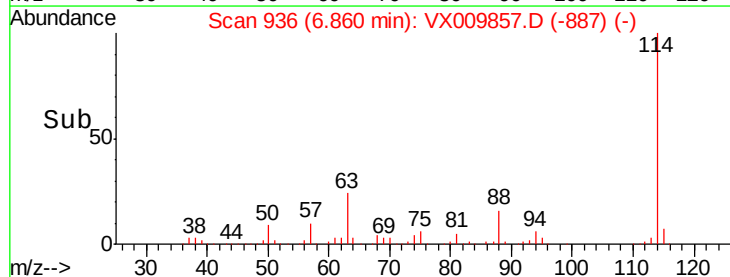
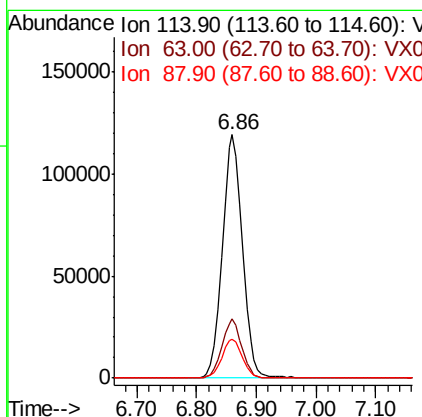
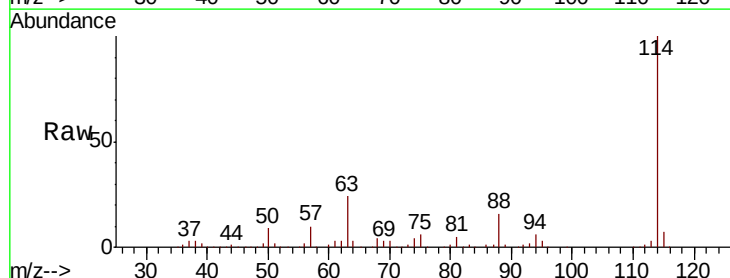
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 EP1-PZ-W1-2

Tot Ion: 65 Resp: 119794  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 106.6

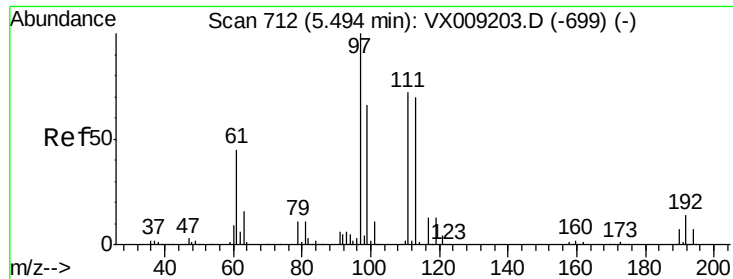


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

Tgt Ion: 114 Resp: 280784  
 Ion Ratio Lower Upper  
 114 100  
 63 24.2 0.0 45.6  
 88 16.1 0.0 33.2



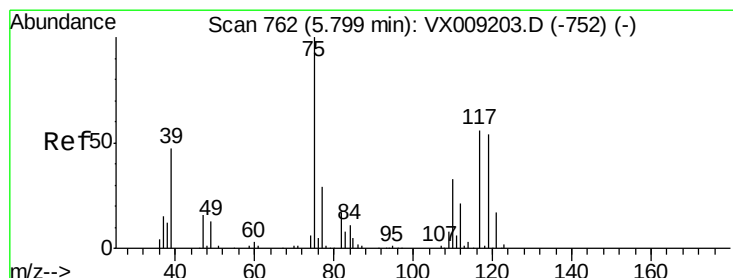
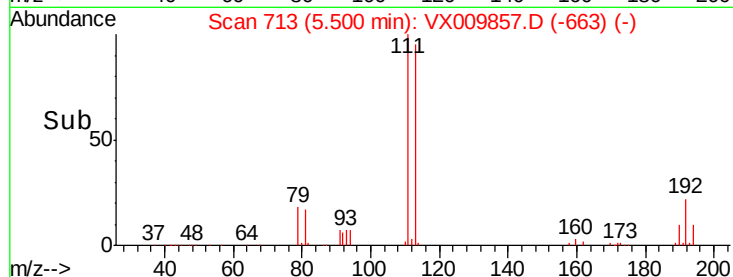
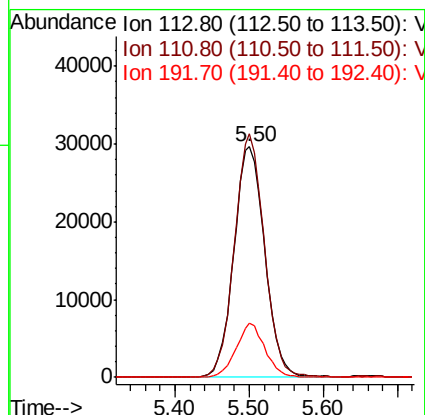
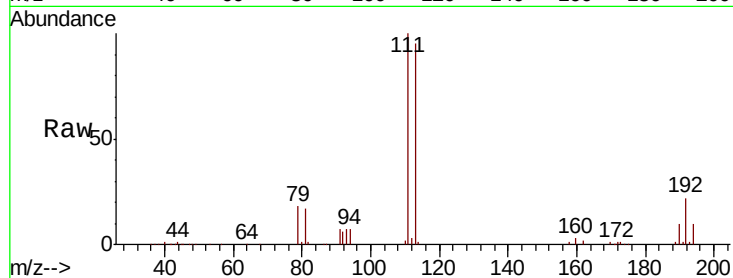




#35  
 Dibromofluoromethane  
 Concen: 48.937 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

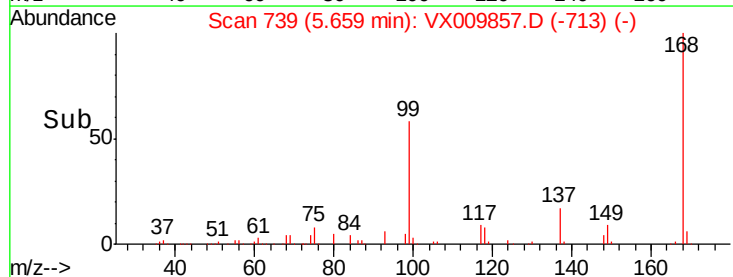
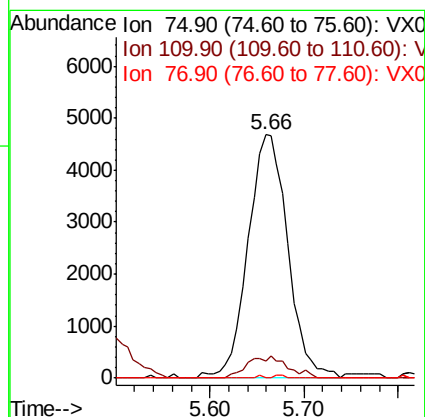
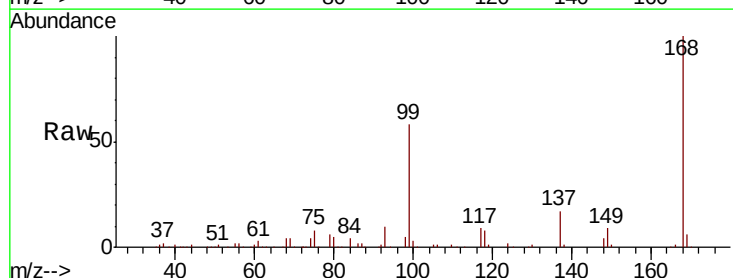
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-PZ-W1-2

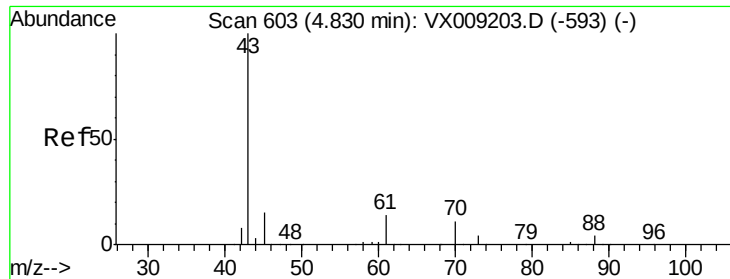
Tot Ion:113 Resp: 86379  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.8 124.2  
 192 21.7 17.0 25.6



#36  
 1,1-Dichloropropene  
 Concen: 5.315 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.14 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

Tgt Ion: 75 Resp: 13870  
 Ion Ratio Lower Upper  
 75 100  
 110 4.5 16.9 50.6#  
 77 0.1 24.8 37.2#

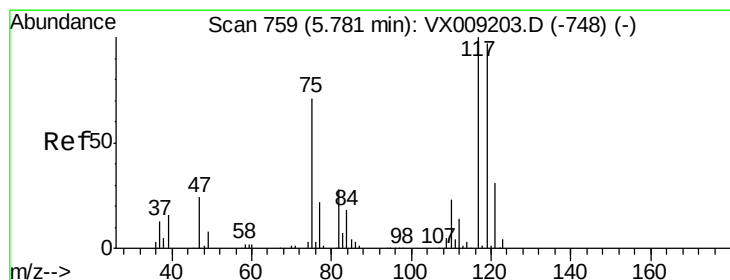
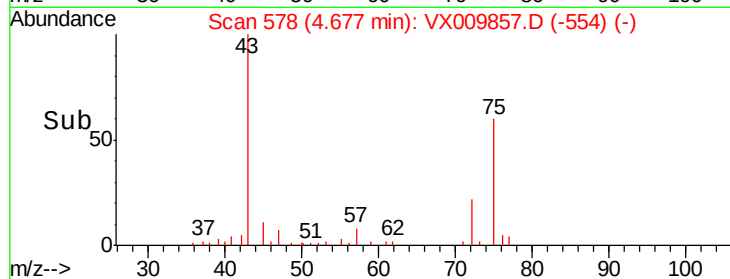
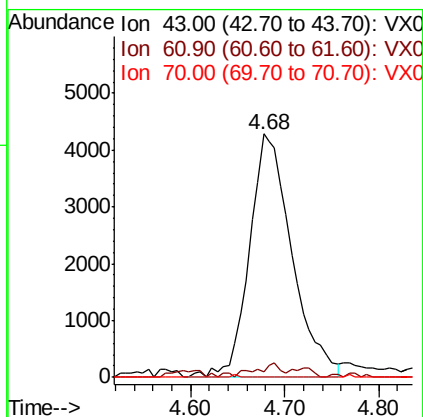
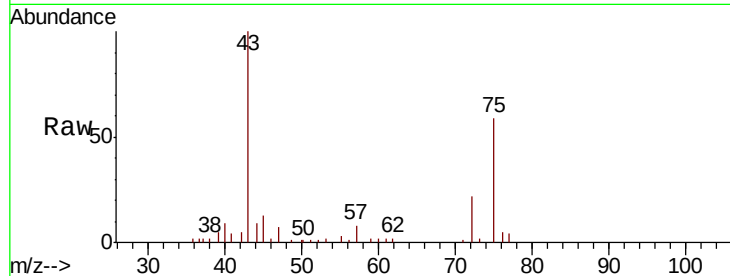




#37  
Ethyl Acetate  
Concen: 3.717 ug/l  
RT: 4.68 min Scan# 578  
Delta R.T. -0.15 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

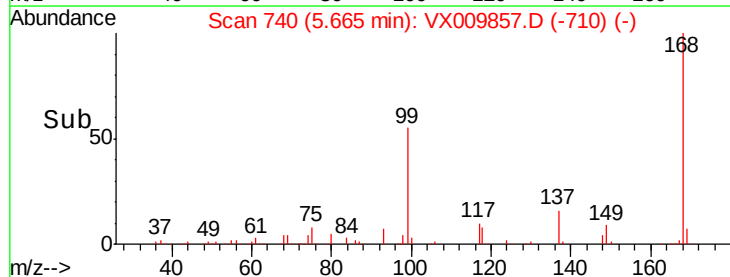
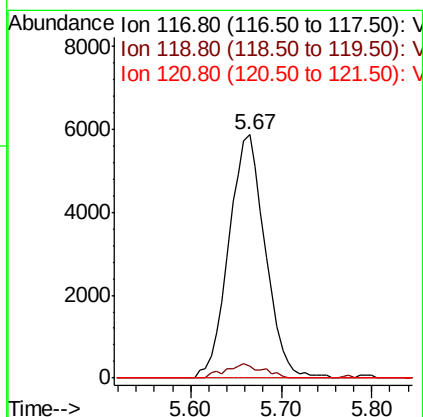
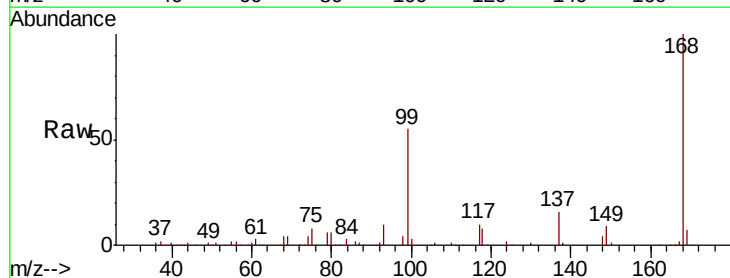
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-PZ-W1-2

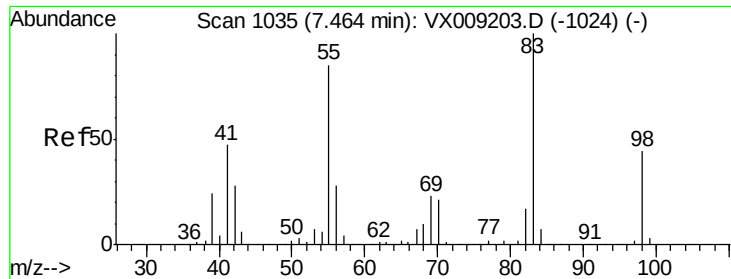
Tot Ion: 43 Resp: 13514  
Ion Ratio Lower Upper  
43 100  
61 3.3 10.5 15.7#  
70 0.0 7.9 11.9#



#38  
Carbon Tetrachloride  
Concen: 6.904 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. -0.12 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Tgt Ion: 117 Resp: 16368  
Ion Ratio Lower Upper  
117 100  
119 4.7 77.5 116.3#  
121 0.0 24.7 37.1#

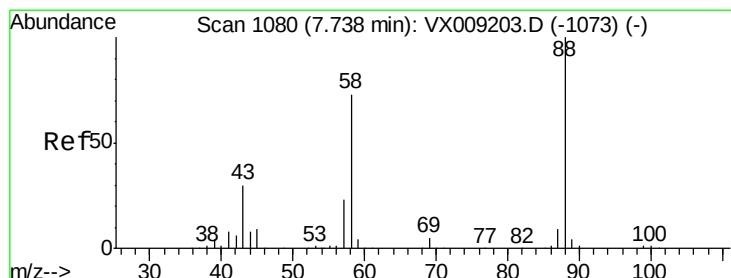
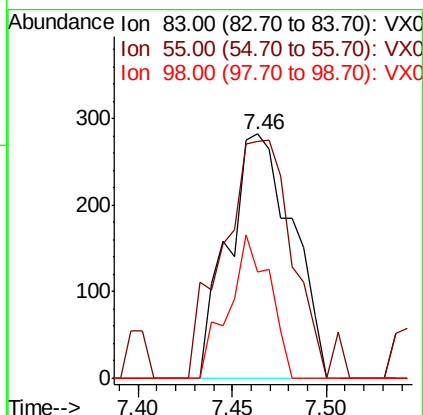
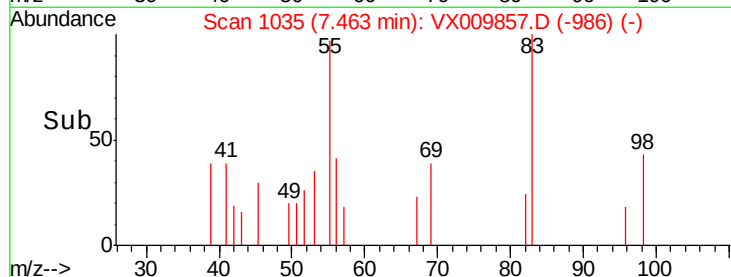
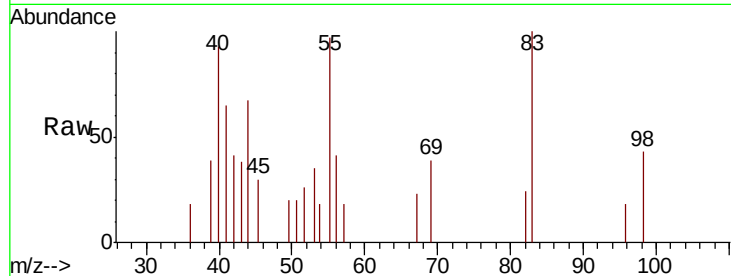




#39  
Methylcyclohexane  
Concen: 0.208 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

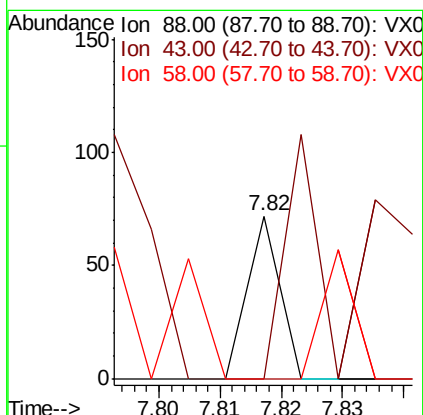
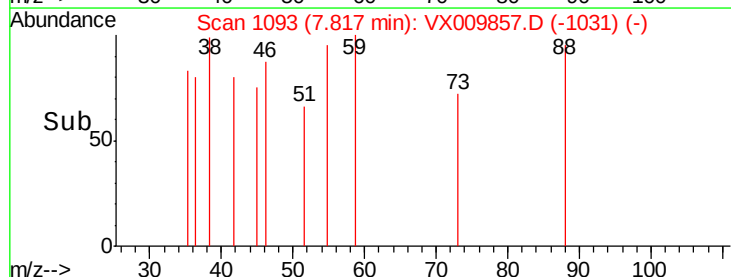
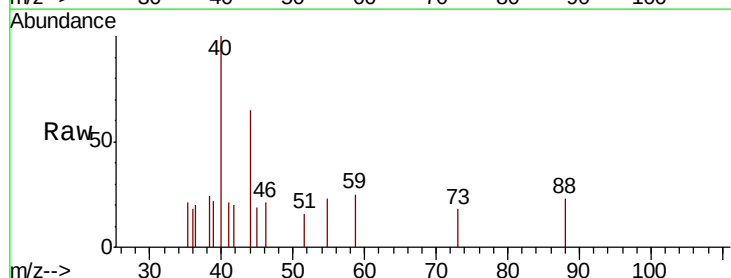
Instrument :  
MSVOA\_X  
ClientSampled :  
EP1-PZ-W1-2

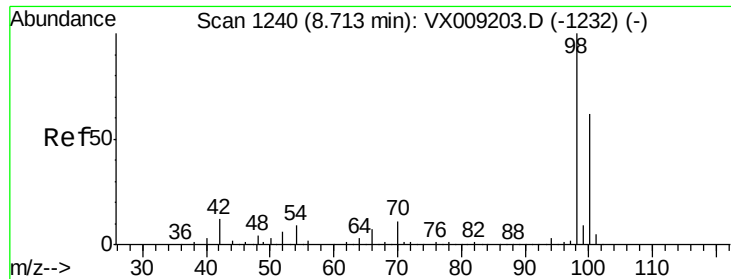
Tot Ion: 83 Resp: 665  
Ion Ratio Lower Upper  
83 100  
55 96.8 67.7 101.5  
98 43.3 35.5 53.3



#49  
1,4-Dioxane  
Concen: 0.444 ug/l  
RT: 7.82 min Scan# 1093  
Delta R.T. 0.08 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Tgt Ion: 88 Resp: 26  
Ion Ratio Lower Upper  
88 100  
43 300.0 28.6 42.8#  
58 80.8 61.7 92.5





#50

Toluene-d8

Concen: 49.482 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampled :

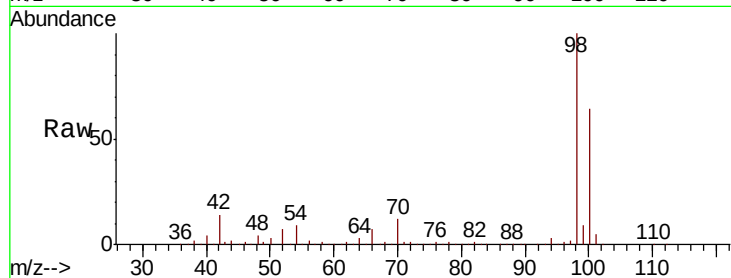
EP1-PZ-W1-2

Tot Ion: 98 Resp: 352623

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

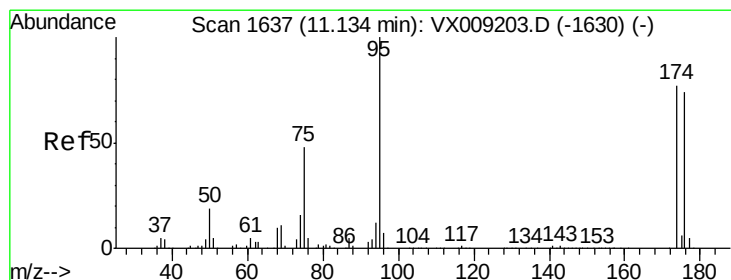
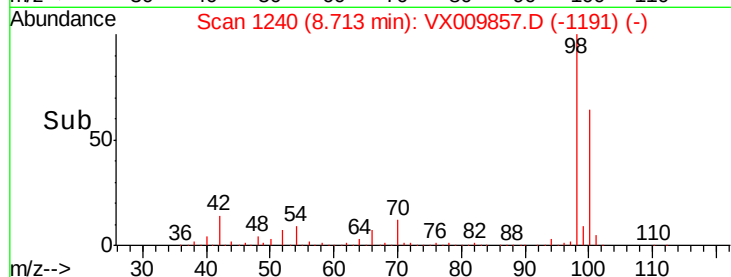
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 46.622 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

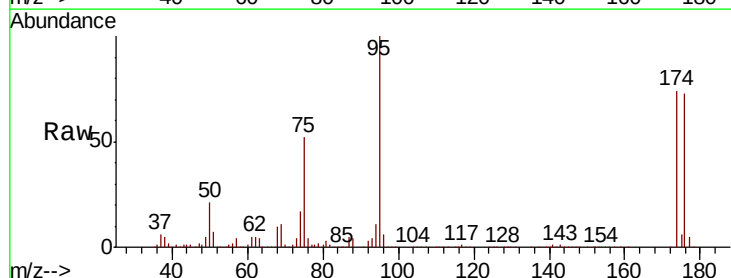
Tgt Ion: 95 Resp: 120724

Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 77.5 0.0 159.2



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

120000

100000

80000

60000

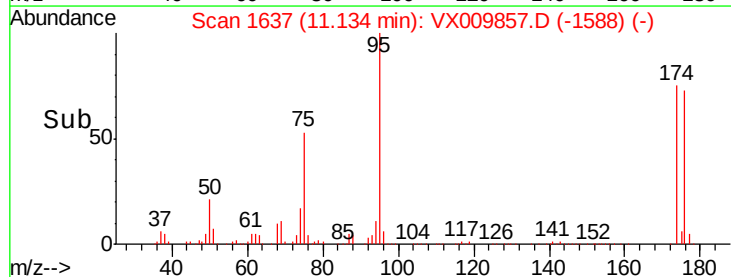
40000

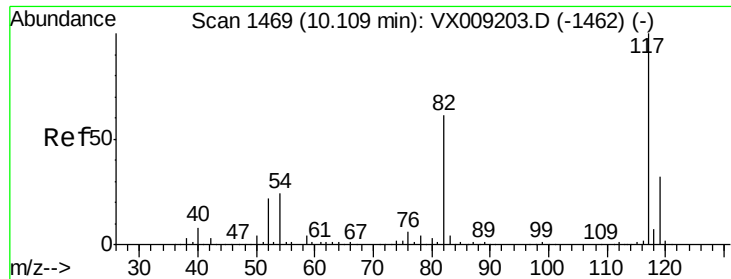
20000

0

11.10 11.13 11.16 11.19

Time-->

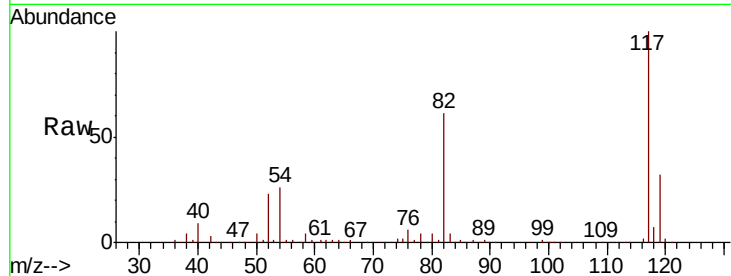




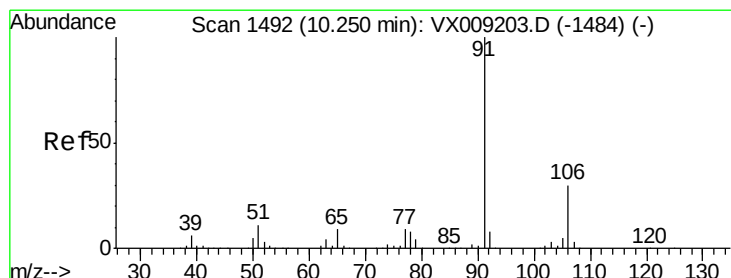
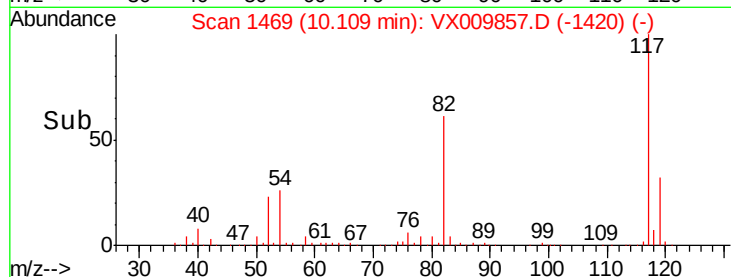
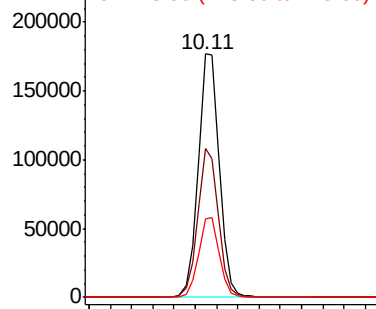
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-PZ-W1-2

Tot Ion:117 Resp: 246514  
Ion Ratio Lower Upper  
117 100  
82 61.4 48.8 73.2  
119 32.2 25.8 38.6

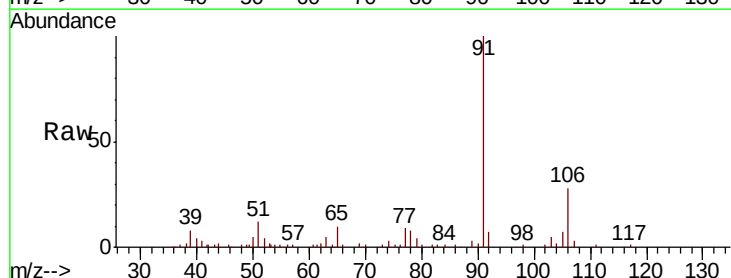


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

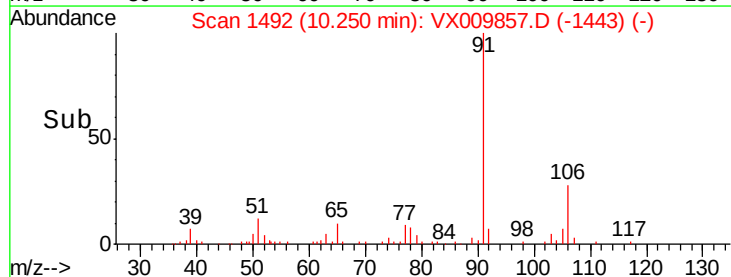
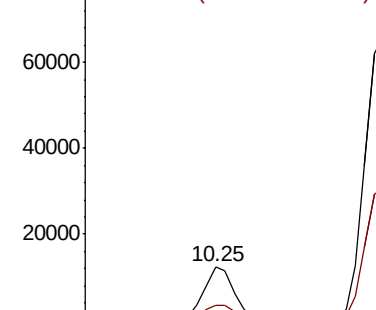


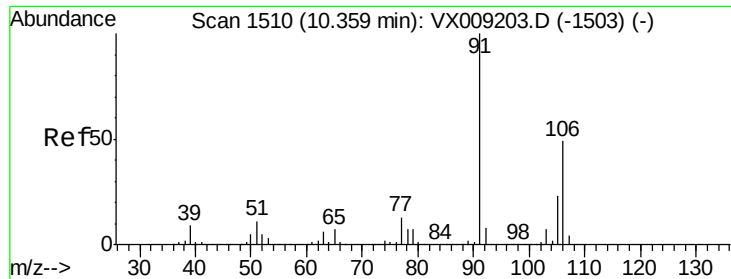
#67  
Ethyl Benzene  
Concen: 1.860 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Tgt Ion: 91 Resp: 16883  
Ion Ratio Lower Upper  
91 100  
106 28.5 24.0 36.0



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

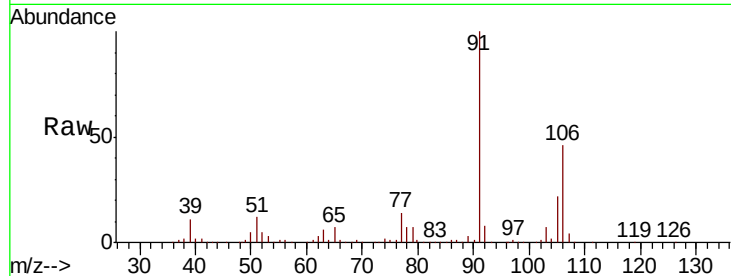




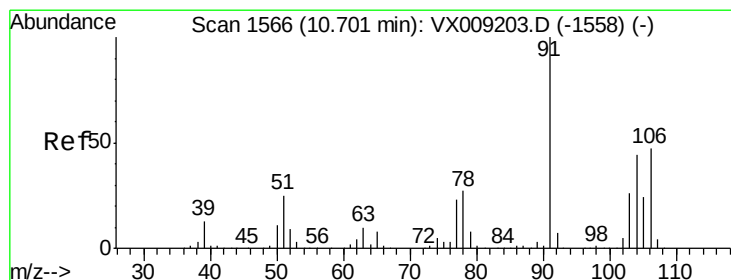
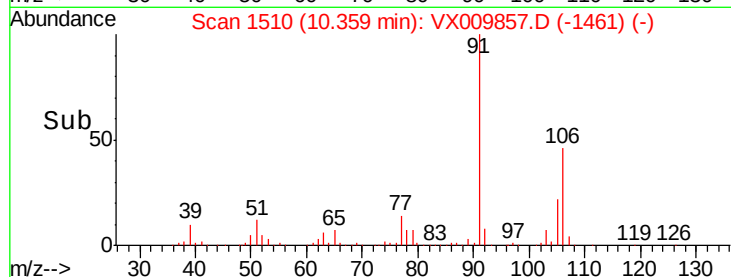
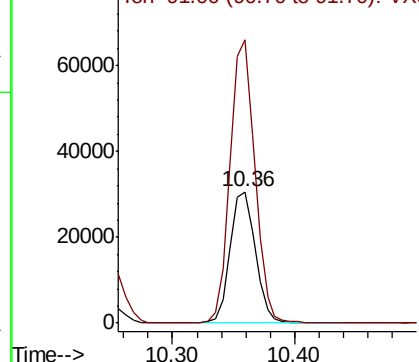
#68  
m/p-Xylenes  
Concen: 13.206 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-PZ-W1-2

Tot Ion:106 Resp: 43799  
Ion Ratio Lower Upper  
106 100  
91 212.2 164.0 246.0

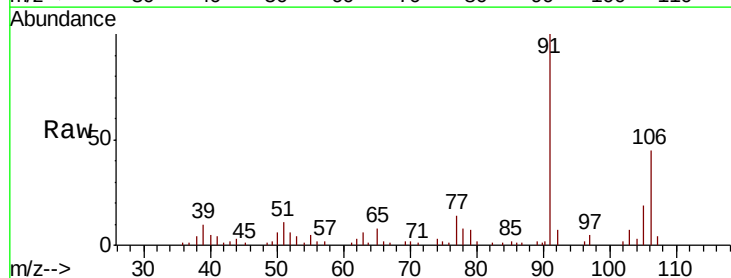


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

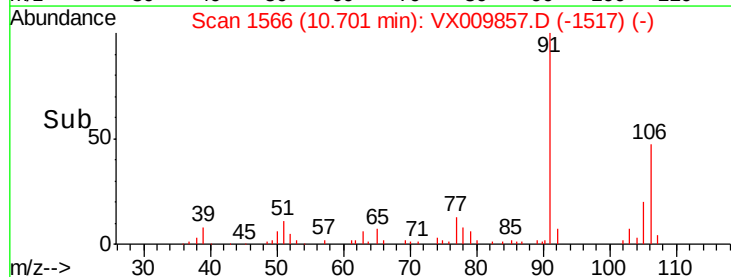
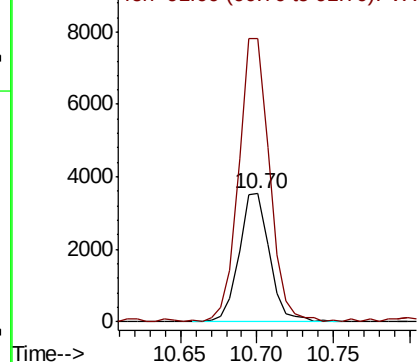


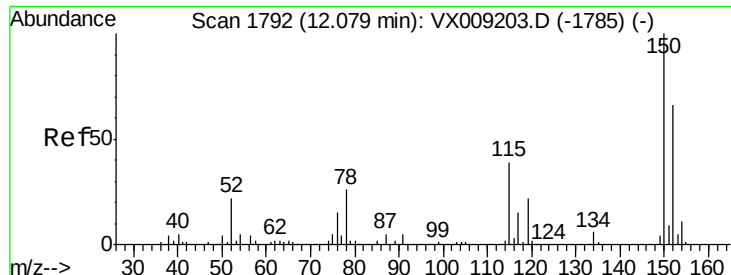
#69  
o-Xylene  
Concen: 1.491 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Tgt Ion:106 Resp: 4878  
Ion Ratio Lower Upper  
106 100  
91 224.3 109.5 328.4



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



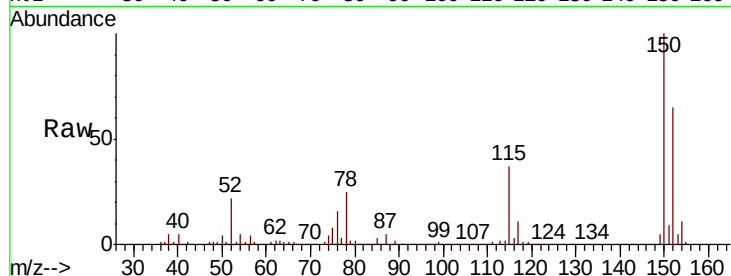


#72

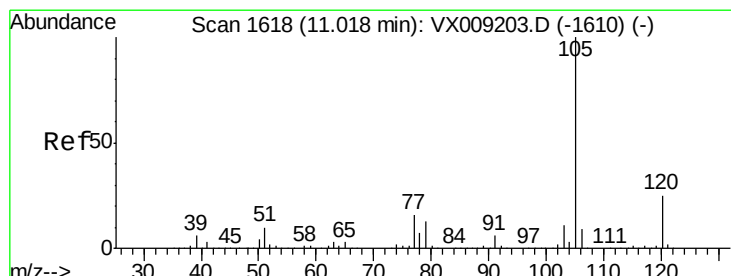
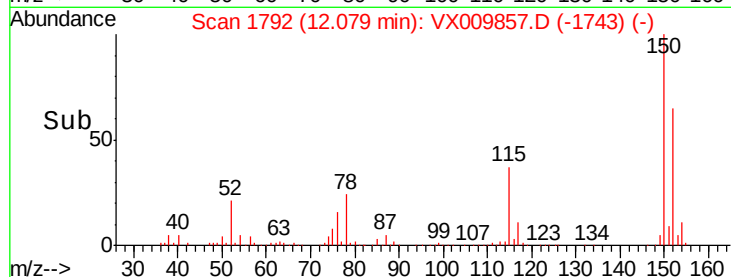
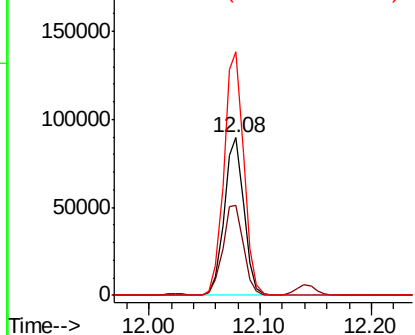
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-PZ-W1-2

Tot Ion:152 Resp: 108460  
Ion Ratio Lower Upper  
152 100  
115 59.6 41.2 123.6  
150 156.3 0.0 346.4



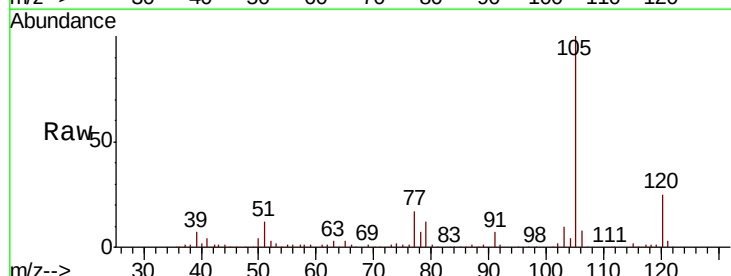
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



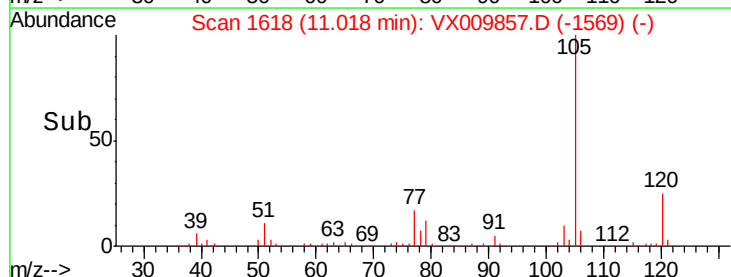
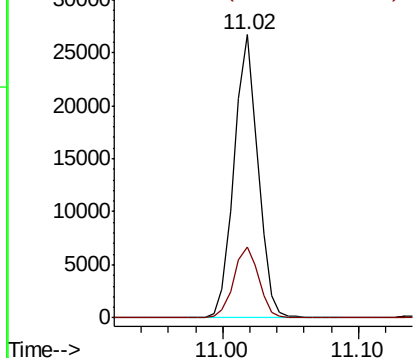
#73

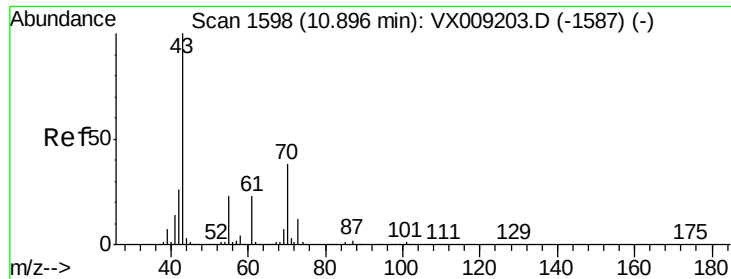
Isopropylbenzene  
Concen: 4.152 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX009857.D  
Acq: 23 May 2019 14:44

Tgt Ion:105 Resp: 32751  
Ion Ratio Lower Upper  
105 100  
120 26.3 12.8 38.3



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





#74

N-amvl acetate

Concen: 0.264 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampled :

EP1-PZ-W1-2

Tot Ion: 43 Resp: 1212

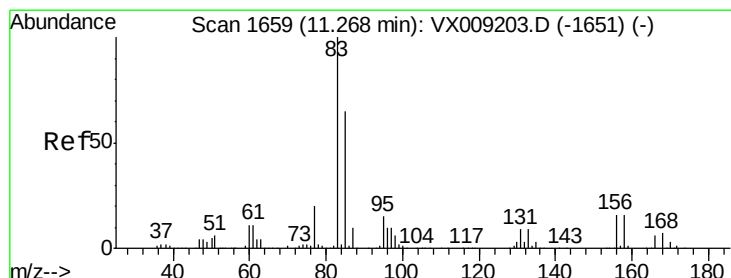
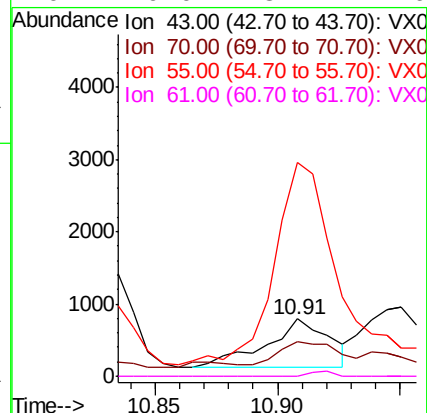
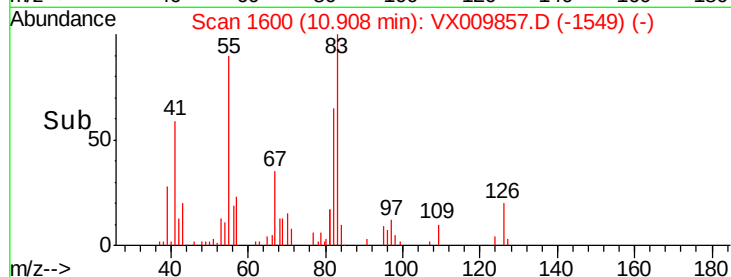
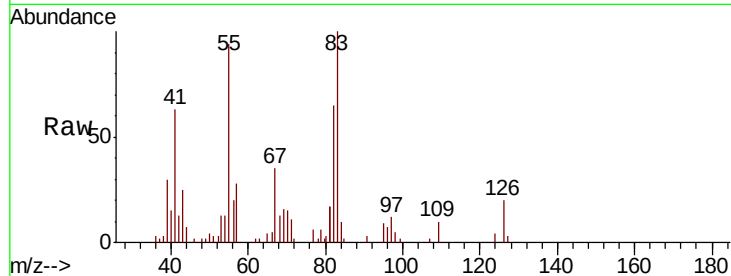
Ion Ratio Lower Upper

43 100

70 43.5 30.0 45.0

55 423.0 17.9 26.9#

61 0.0 18.4 27.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.429 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

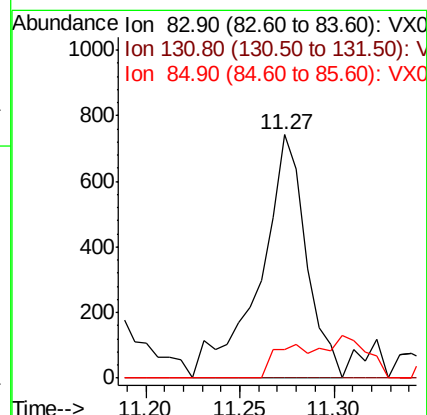
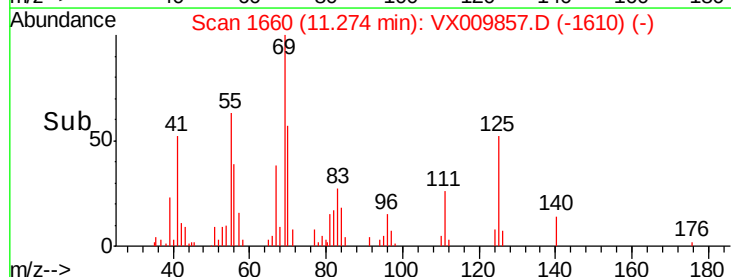
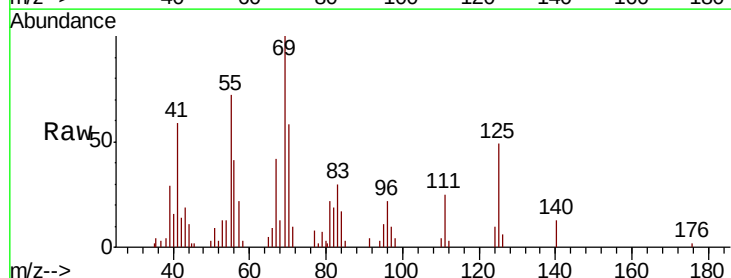
Tgt Ion: 83 Resp: 1260

Ion Ratio Lower Upper

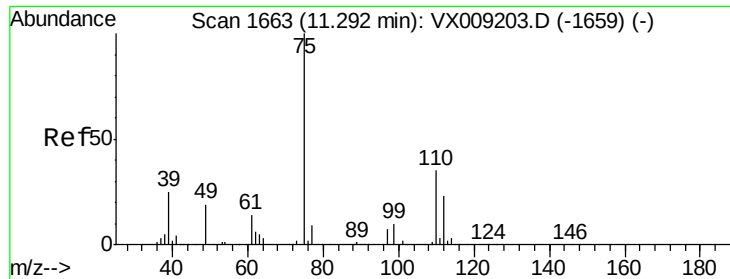
83 100

131 0.0 4.6 13.8#

85 10.2 32.0 96.2#



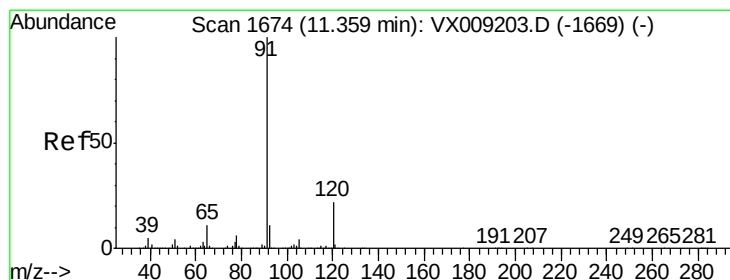
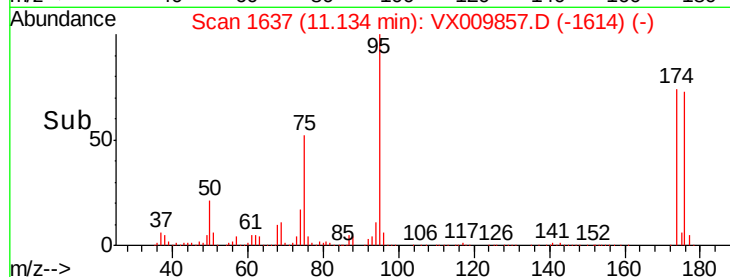
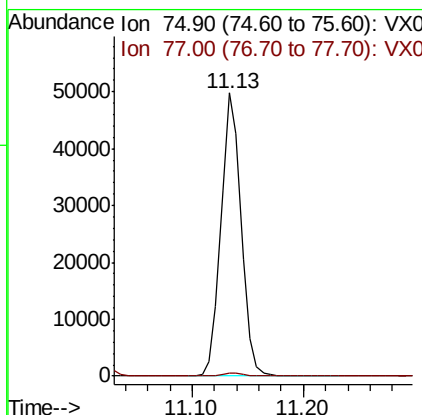
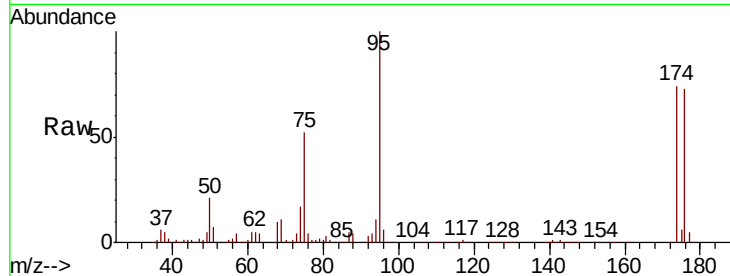




#76  
 1,2,3-Trichloropropane  
 Concen: 24.856 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. -0.16 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

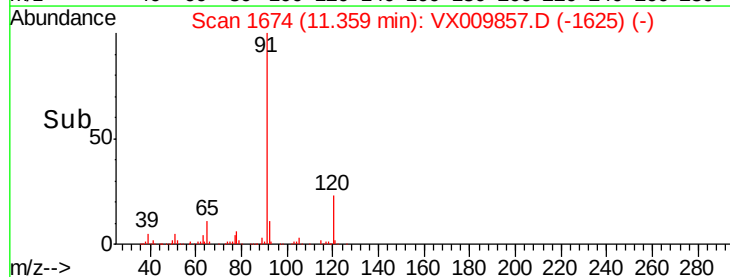
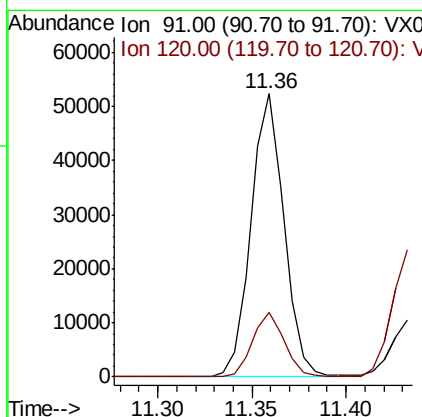
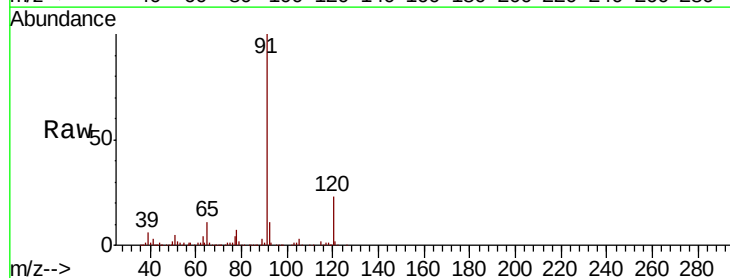
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 EP1-PZ-W1-2

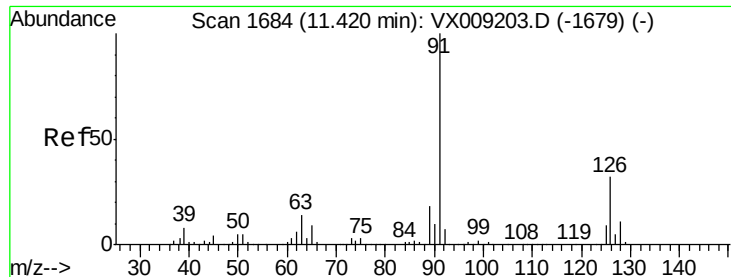
Tot Ion: 75 Resp: 62535  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 22.1 66.1#



#78  
 n-propylbenzene  
 Concen: 7.044 ug/l  
 RT: 11.36 min Scan# 1674  
 Delta R.T. -0.00 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

Tgt Ion: 91 Resp: 63449  
 Ion Ratio Lower Upper  
 91 100  
 120 22.0 11.0 33.0





#79

2-Chlorotoluene

Concen: 3.379 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampled :

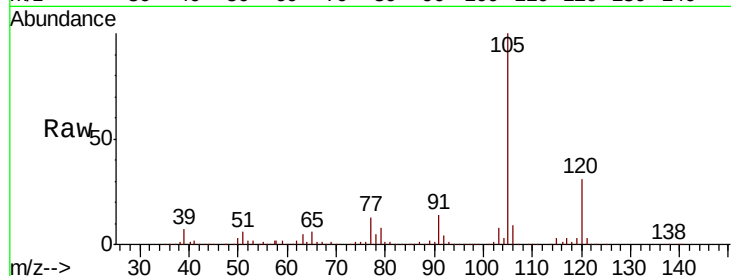
EP1-PZ-W1-2

Tot Ion: 91 Resp: 18778

Ion Ratio Lower Upper

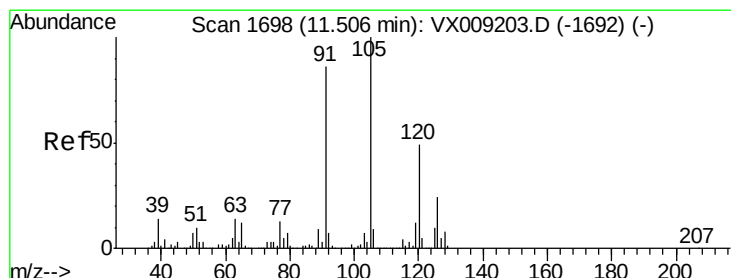
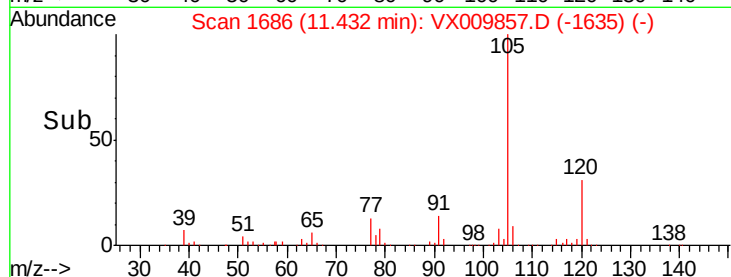
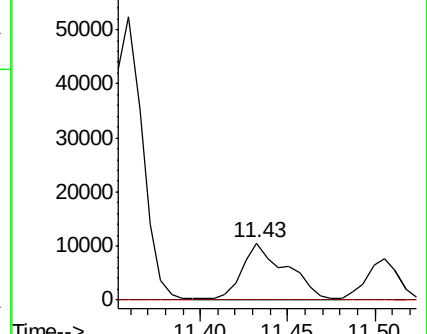
91 100

126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 13.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009857.D

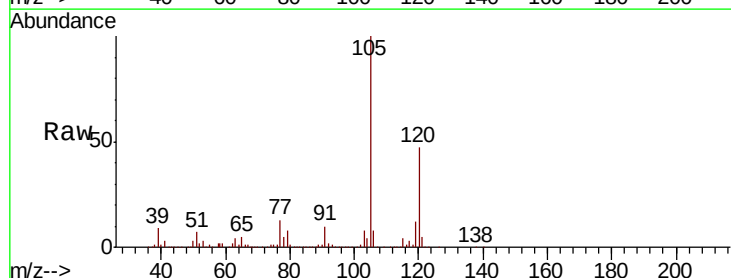
Acq: 23 May 2019 14:44

Tgt Ion:105 Resp: 86753

Ion Ratio Lower Upper

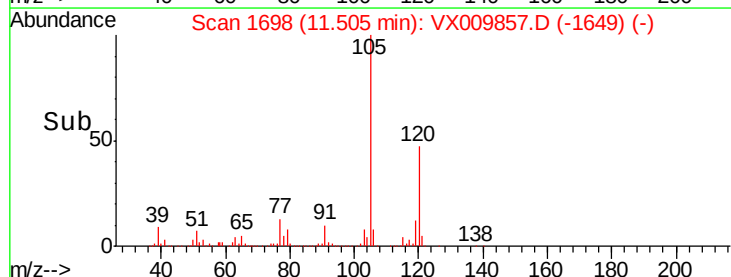
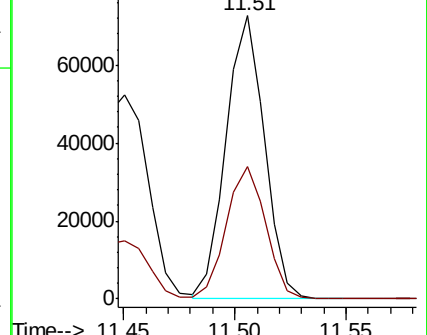
105 100

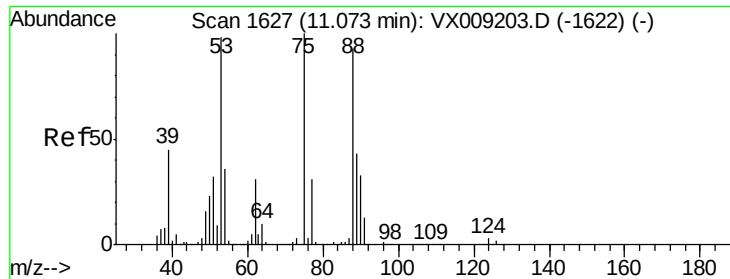
120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 63.598 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

EP1-PZ-W1-2

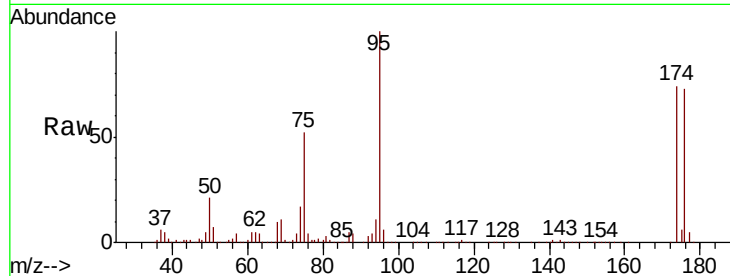
Tot Ion: 75 Resp: 62535

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

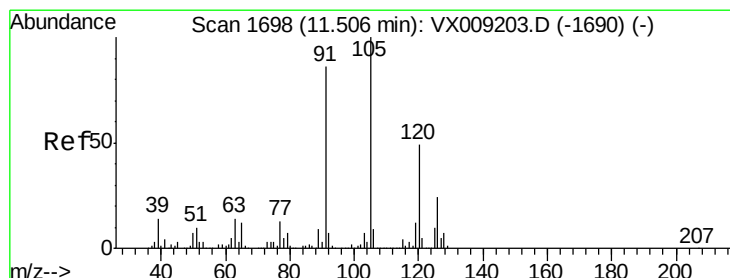
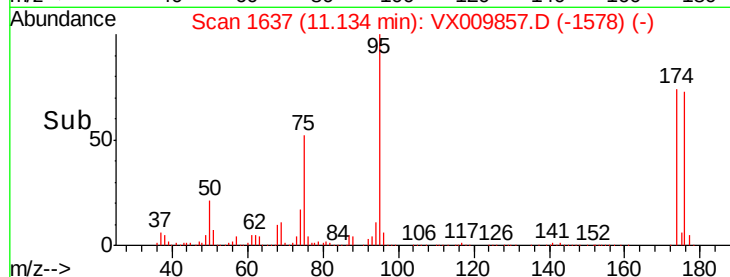
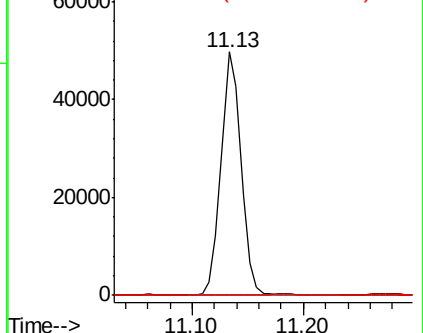
89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.551 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009857.D

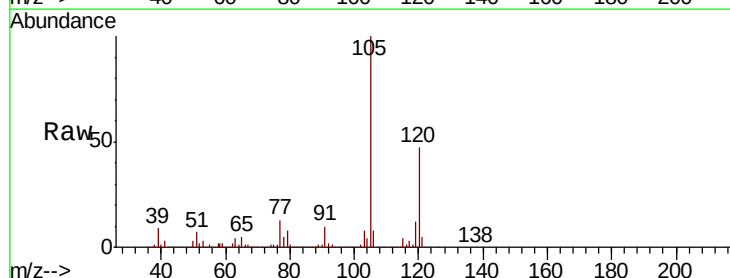
Acq: 23 May 2019 14:44

Tgt Ion: 91 Resp: 9736

Ion Ratio Lower Upper

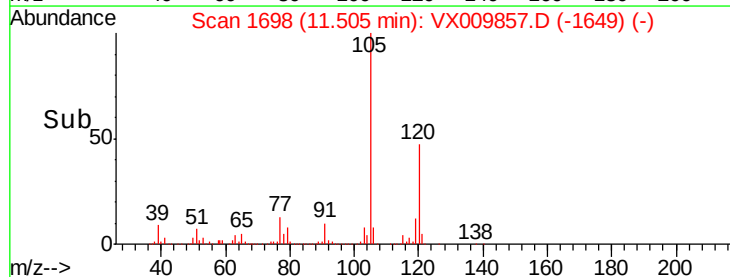
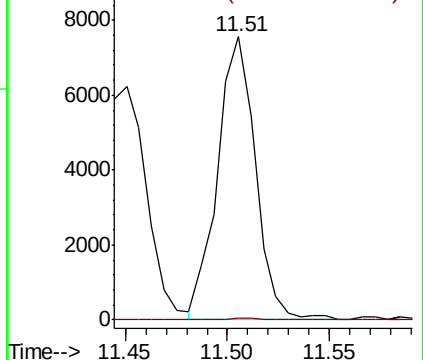
91 100

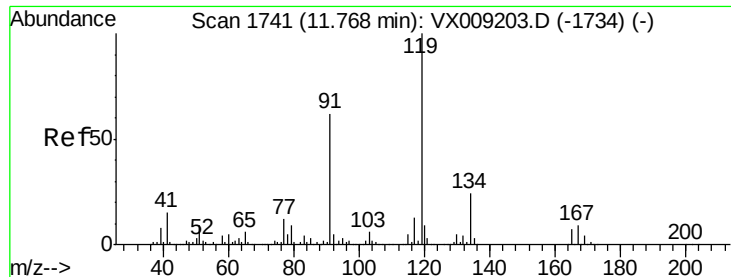
126 0.4 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

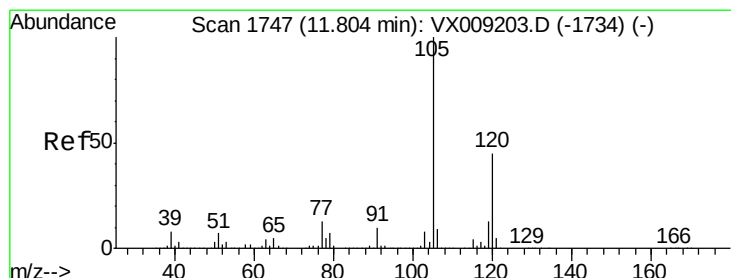
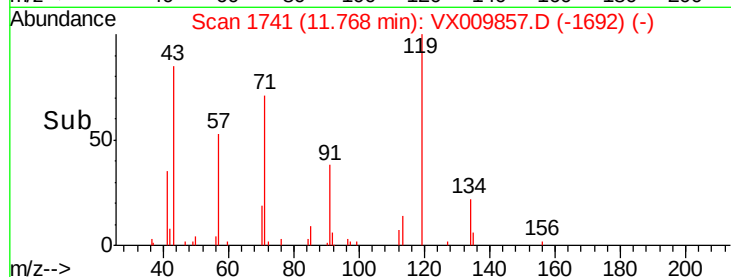
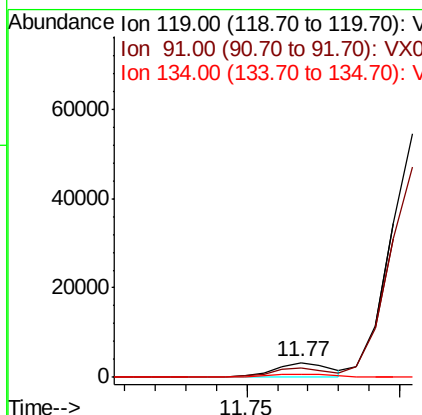
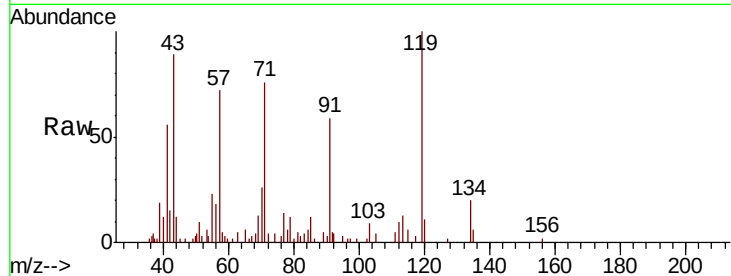




#83  
 tert-Butylbenzene  
 Concen: 0.630 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

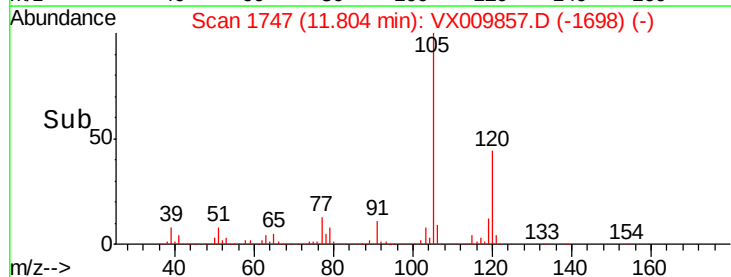
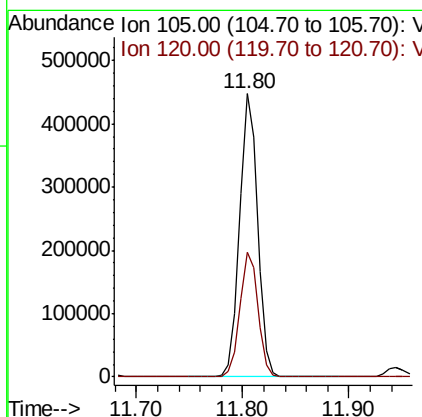
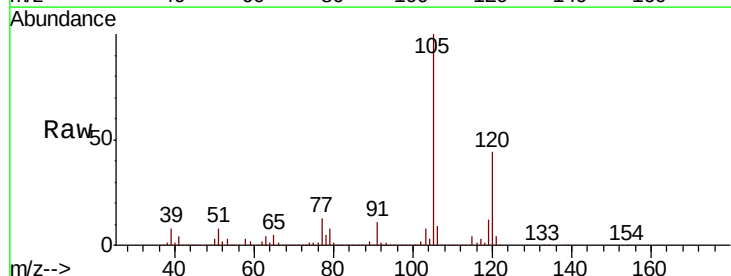
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-PZ-W1-2

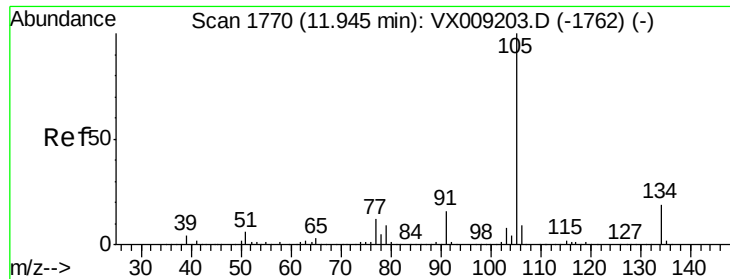
Tot Ion:119 Resp: 4071  
 Ion Ratio Lower Upper  
 119 100  
 91 69.2 29.5 88.5  
 134 25.3 11.4 34.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 79.929 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: VX009857.D  
 Acq: 23 May 2019 14:44

Tgt Ion:105 Resp: 532795  
 Ion Ratio Lower Upper  
 105 100  
 120 44.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 2.492 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

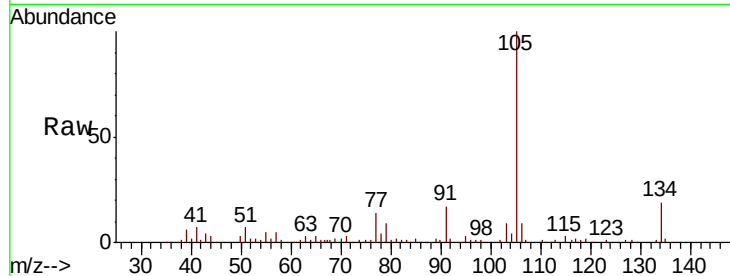
EP1-PZ-W1-2

Tot Ion:105 Resp: 19083

Ion Ratio Lower Upper

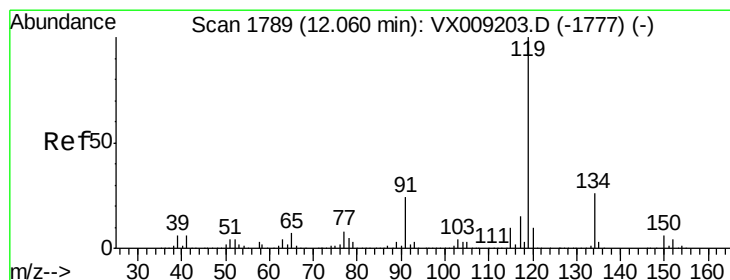
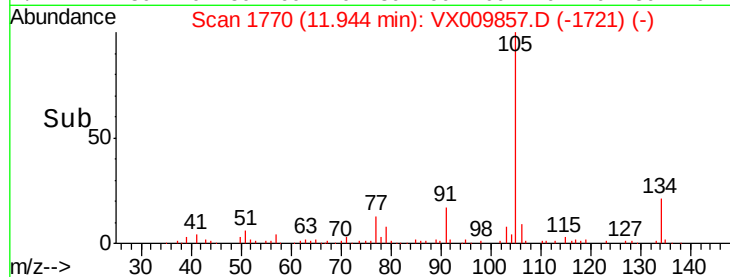
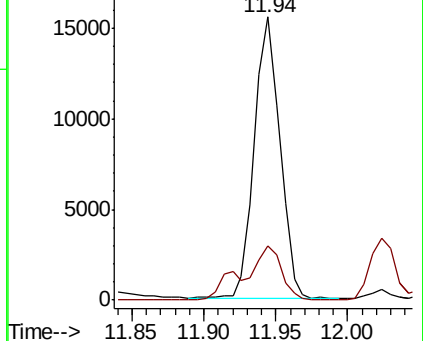
105 100

134 19.8 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.913 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

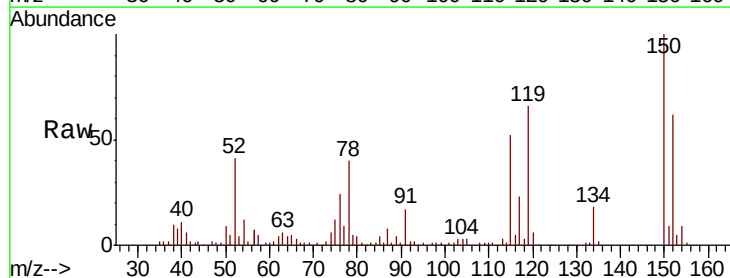
Tgt Ion:119 Resp: 13171

Ion Ratio Lower Upper

119 100

134 28.6 12.9 38.7

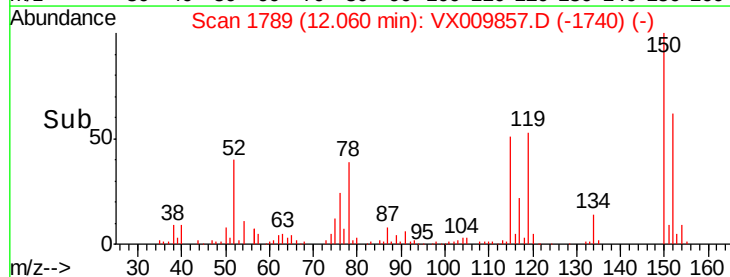
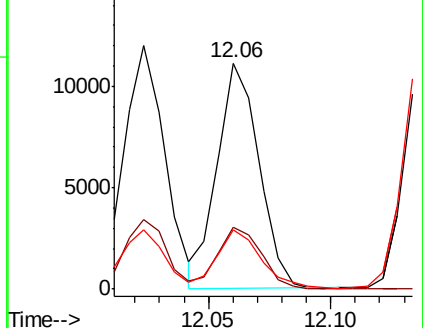
91 28.2 11.8 35.4

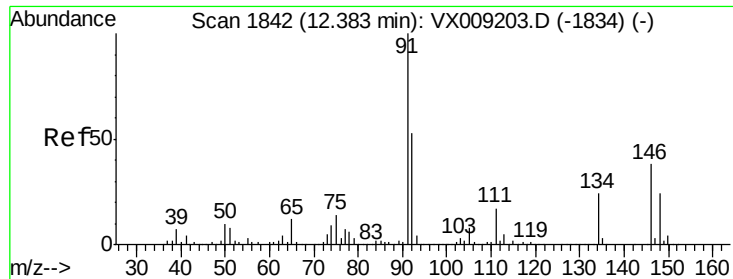


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 2.451 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampled :

EP1-PZ-W1-2

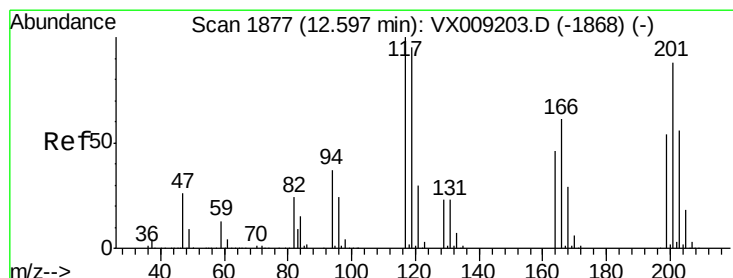
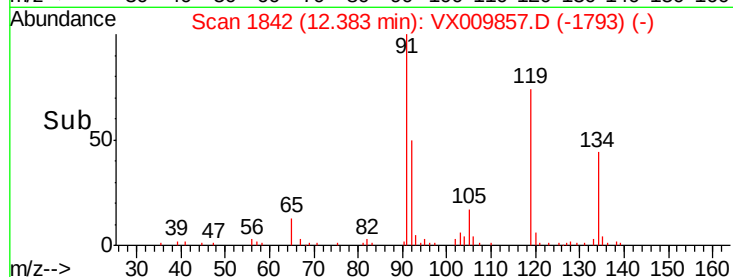
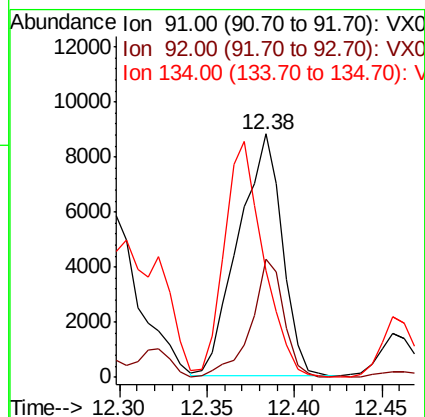
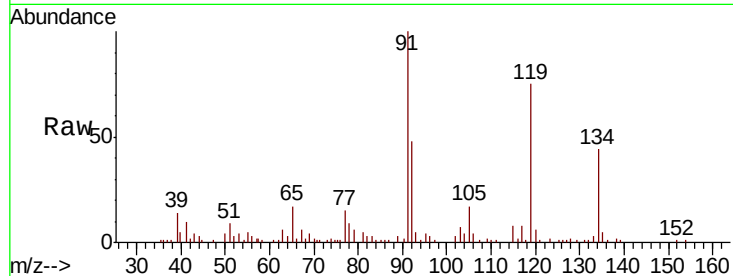
Tot Ion: 91 Resp: 15252

Ion Ratio Lower Upper

91 100

92 36.7 26.5 79.5

134 87.7 12.4 37.2#



#90

Hexachloroethane

Concen: 2.491 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX009857.D

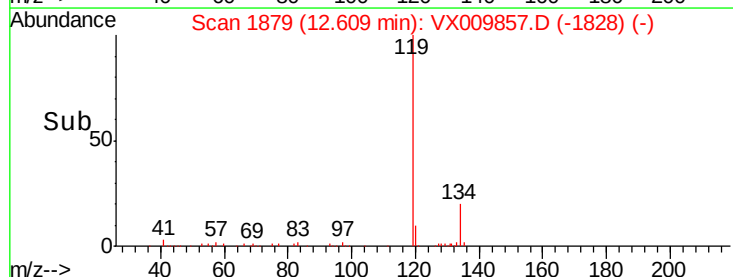
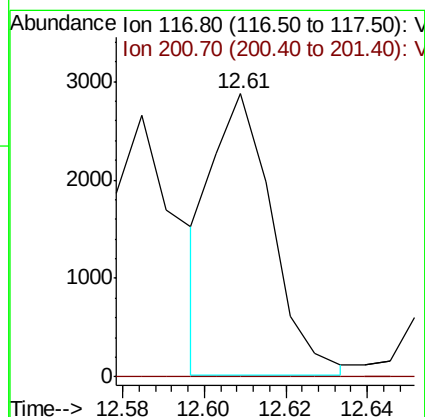
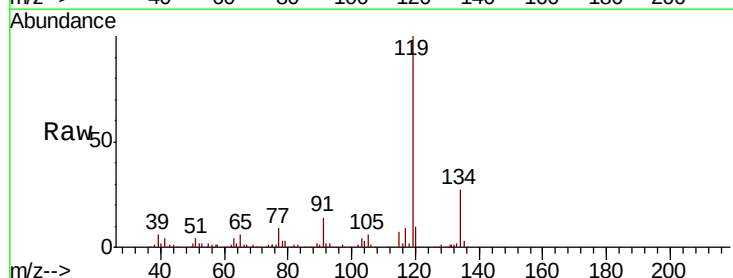
Acq: 23 May 2019 14:44

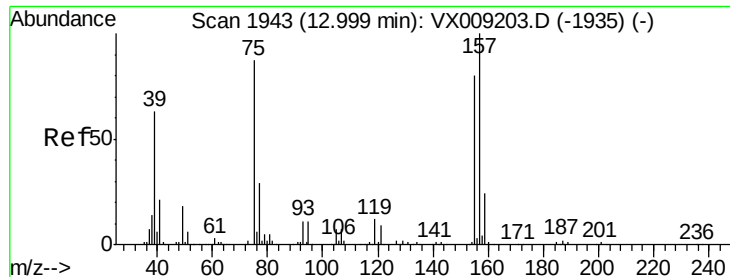
Tgt Ion: 117 Resp: 2922

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.482 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA\_X

ClientSampleId :

EP1-PZ-W1-2

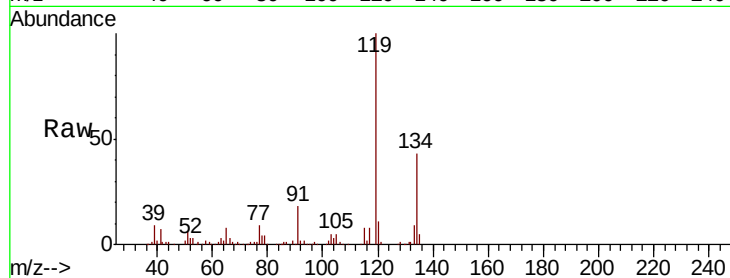
Tot Ion: 75 Resp: 318

Ion Ratio Lower Upper

75 100

155 0.0 42.0 126.0#

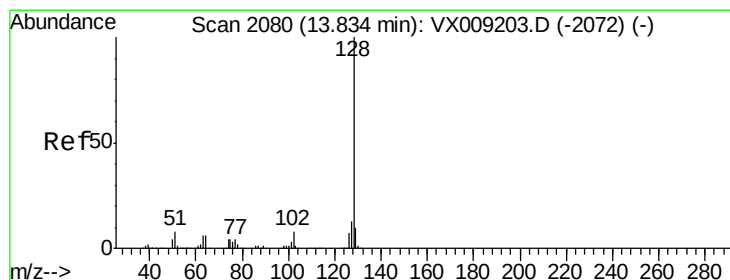
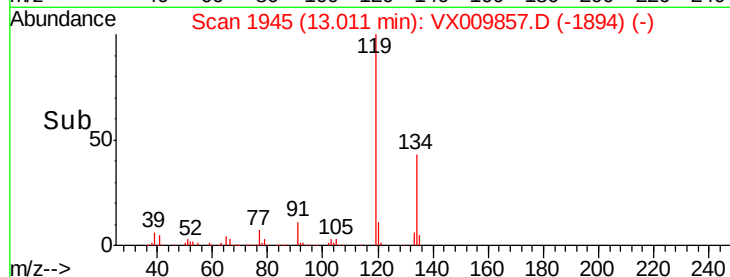
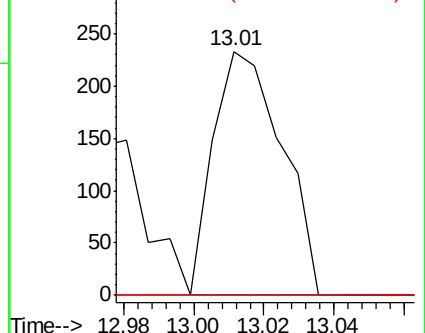
157 0.0 53.2 159.6#



Abundance Ion 74.90 (74.60 to 75.60): VX009857.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX009857.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX009857.D (-1894) (-)



#95

Naphthalene

Concen: 6.112 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

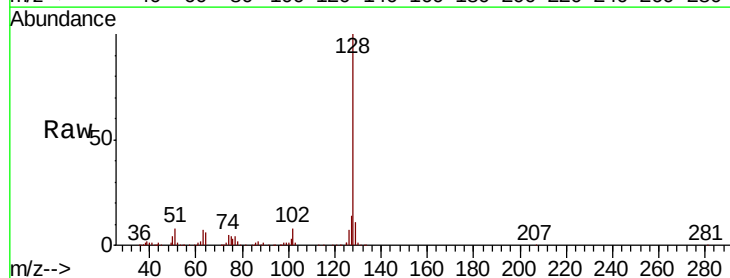
Tgt Ion: 128 Resp: 48333

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VX009857.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX009857.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX009857.D (-2031) (-)

