

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\  
 Data File : VX010454.D  
 Acq On : 26 Jun 2019 11:52  
 Operator : JC/SP  
 Sample : K3527-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-AMW-4-M24W1-062119

Quant Time: Jun 27 02:20:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

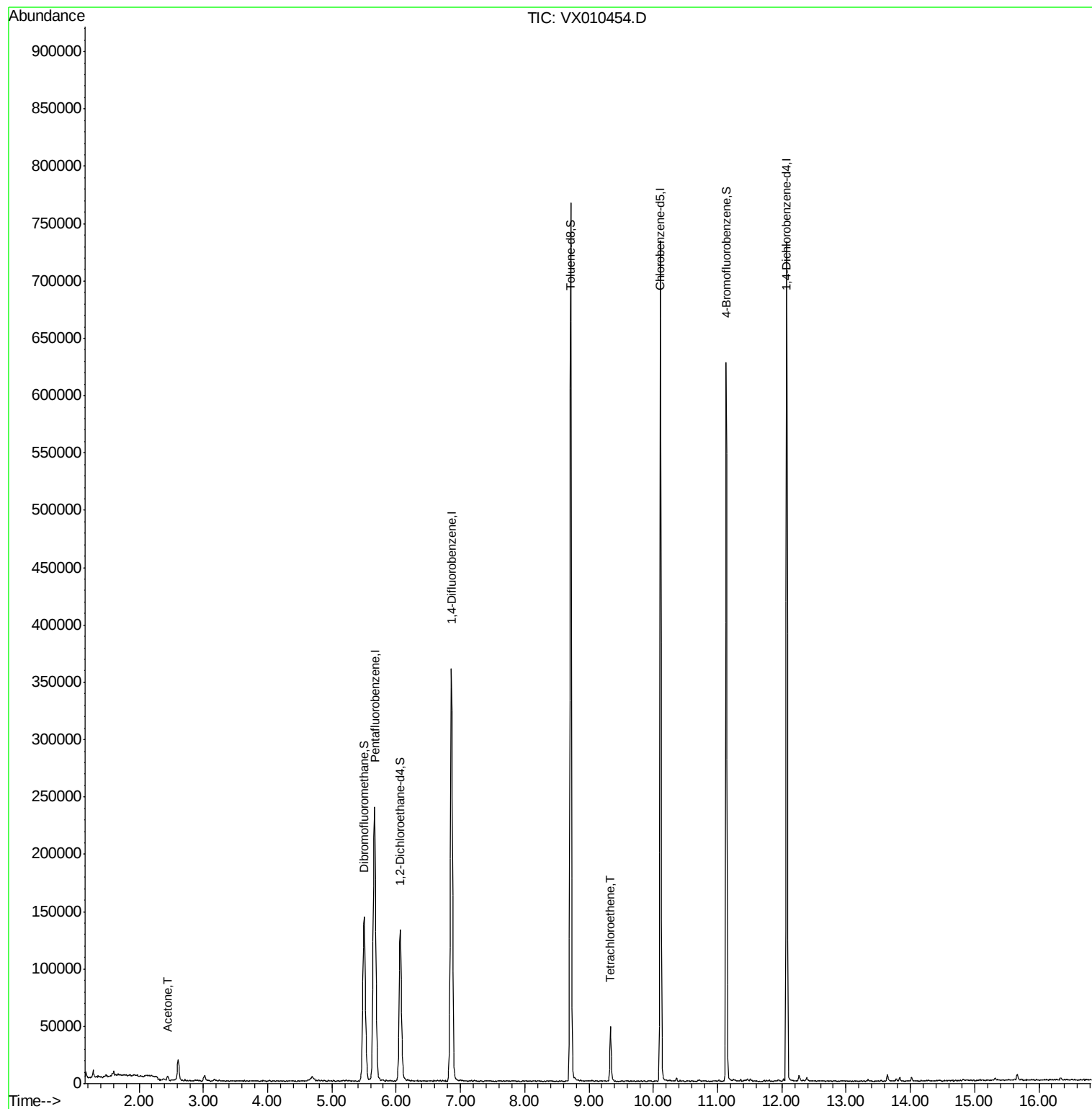
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 257544   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 396428   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 355533   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 164155   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 120940   | 50.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.16% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 120741   | 49.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 465510   | 50.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.34% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 156165   | 46.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.22%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 3767     | 3.113 | ug/l    | 90       |
| 64) Tetrachloroethene       | 9.34  | 164  | 9705     | 3.375 | ug/l    | 97       |

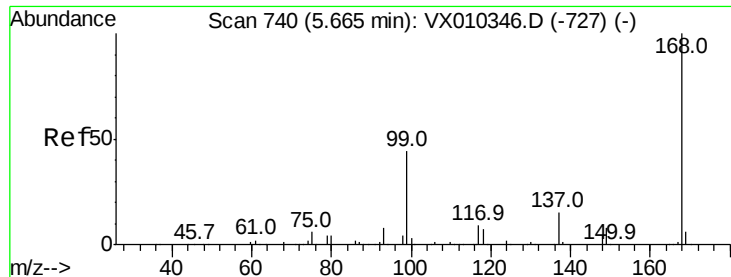
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CPA-AMW-4-M24W1-062119

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Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 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: VX010454.D

Acq: 26 Jun 2019 11:52

Instrument :

MSVOA\_X

ClientSampleId :

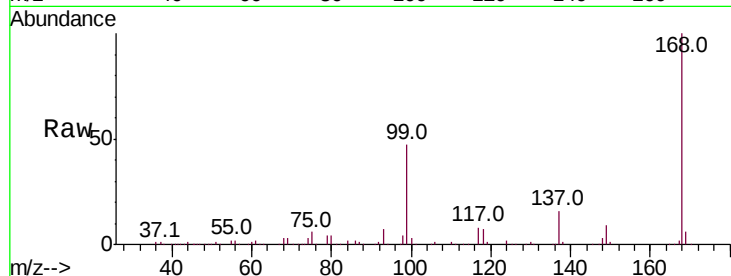
CPA-AMW-4-M24W1-062119

Tot Ion:168 Resp: 257544

Ion Ratio Lower Upper

168 100

99 46.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

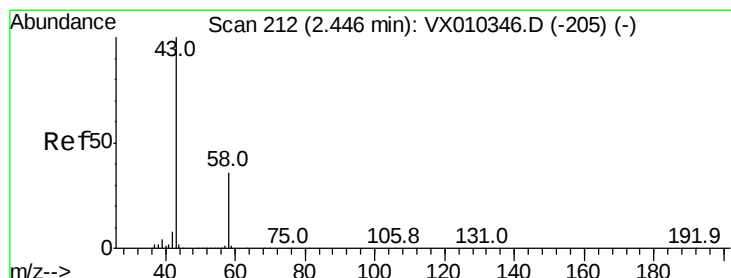
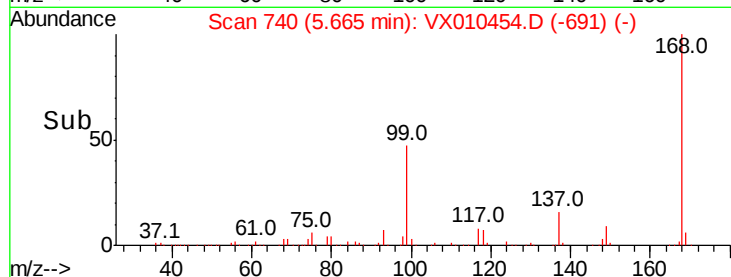
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.113 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010454.D

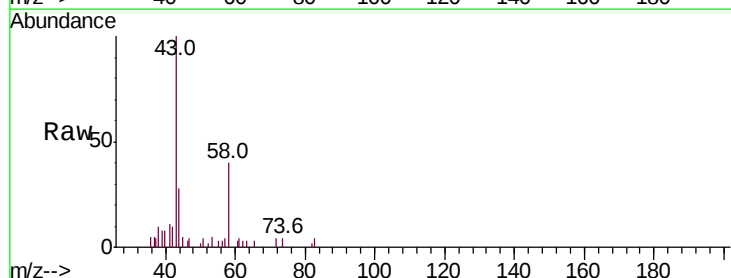
Acq: 26 Jun 2019 11:52

Tgt Ion: 43 Resp: 3767

Ion Ratio Lower Upper

43 100

58 41.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

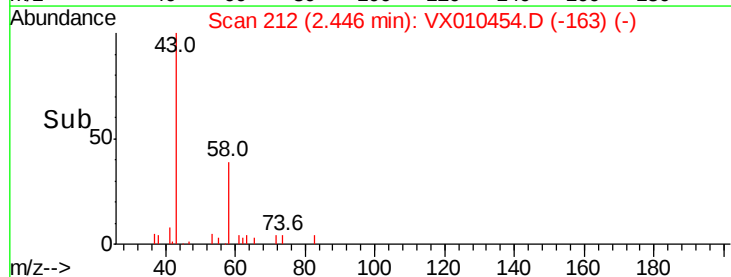
1500

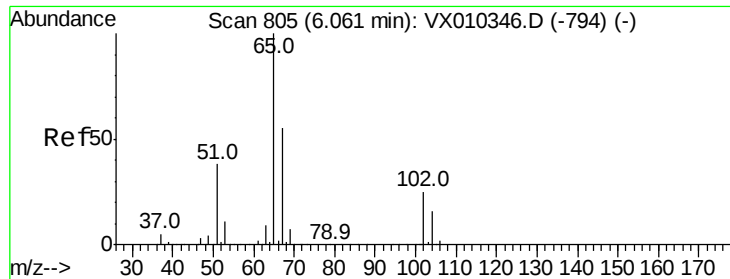
1000

500

0

Time--> 2.40 2.45 2.50





#33

1,2-Dichloroethane-d4

Concen: 50.084 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010454.D

Acq: 26 Jun 2019 11:52

Instrument :

MSVOA\_X

ClientSampleId :

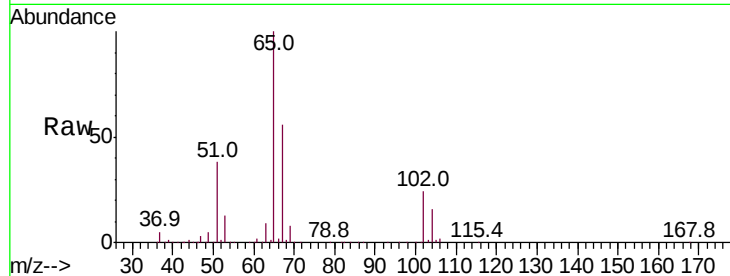
CPA-AMW-4-M24W1-062119

Tot Ion: 65 Resp: 120940

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

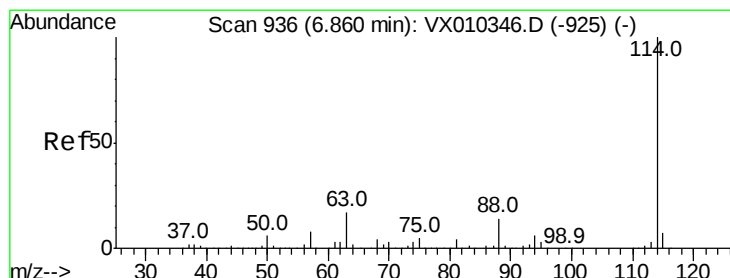
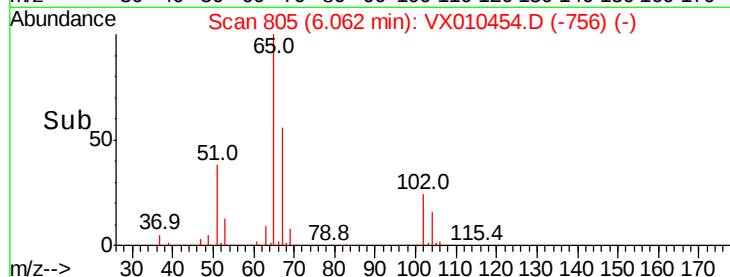
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010454.D

Acq: 26 Jun 2019 11:52

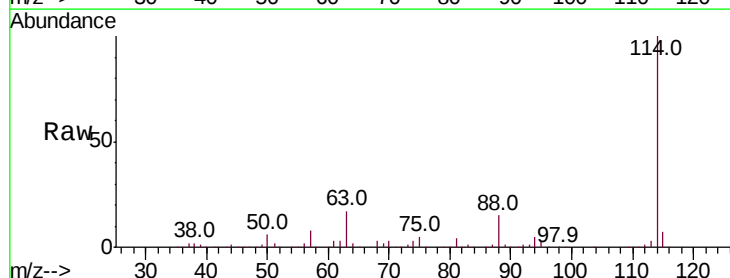
Tgt Ion: 114 Resp: 396428

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

88 14.5 0.0 27.6



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

6.86

200000

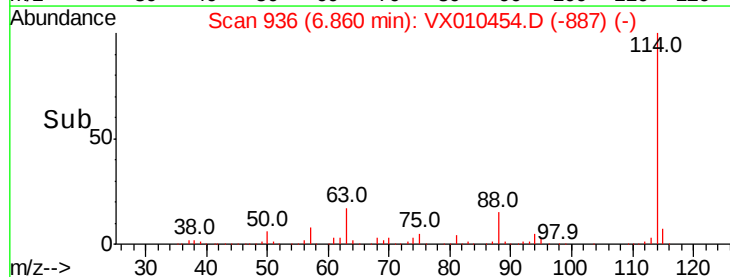
150000

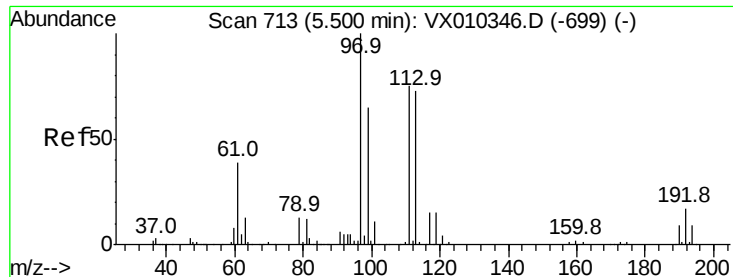
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

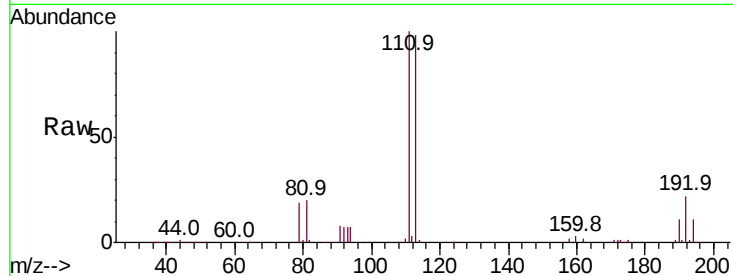




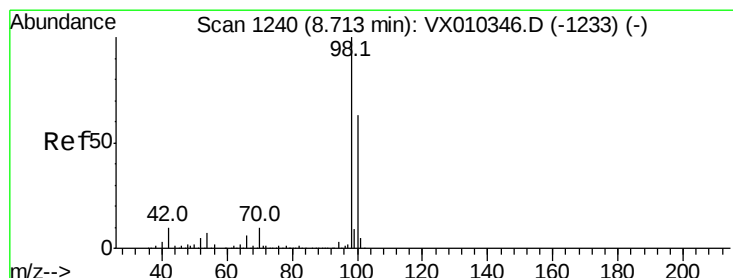
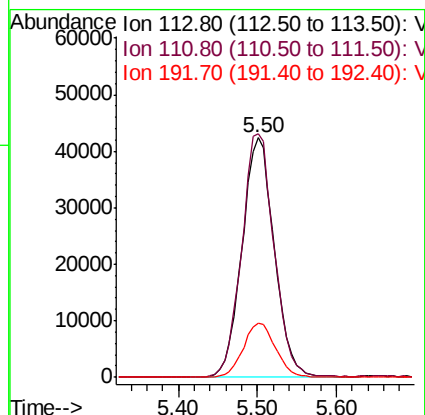
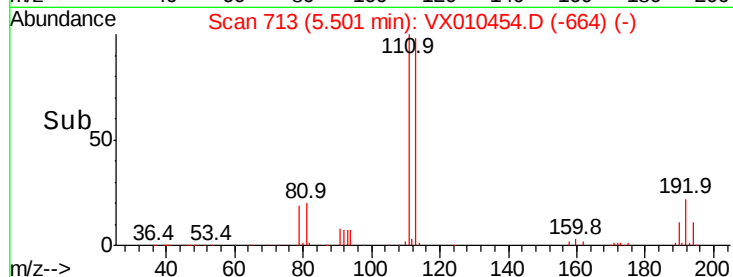
#35  
 Dibromofluoromethane  
 Concen: 49.780 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010454.D  
 Acq: 26 Jun 2019 11:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-AMW-4-M24W1-062119

Tot Ion:113 Resp: 120741  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.2 121.8  
 192 22.7 18.6 27.8

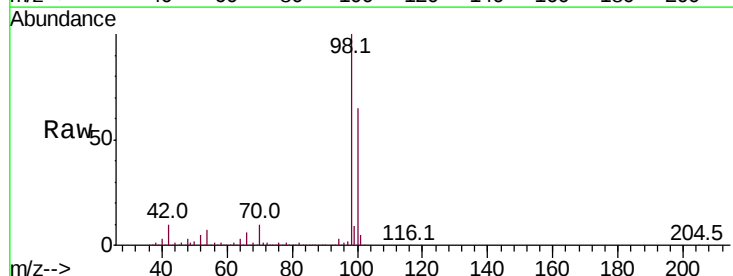


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

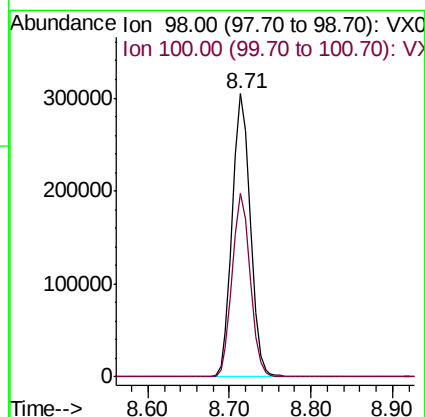
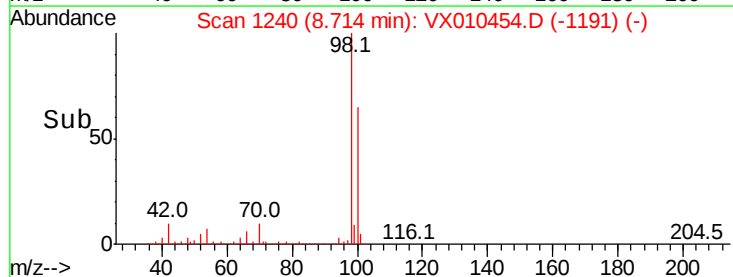


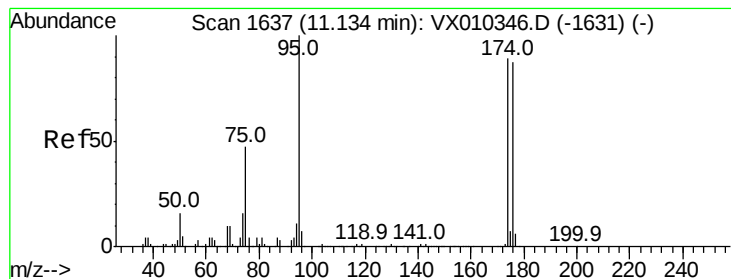
#50  
 Toluene-d8  
 Concen: 50.166 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX010454.D  
 Acq: 26 Jun 2019 11:52

Tgt Ion: 98 Resp: 465510  
 Ion Ratio Lower Upper  
 98 100  
 100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.614 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010454.D

Acq: 26 Jun 2019 11:52

Instrument :

MSVOA\_X

ClientSampleId :

CPA-AMW-4-M24W1-062119

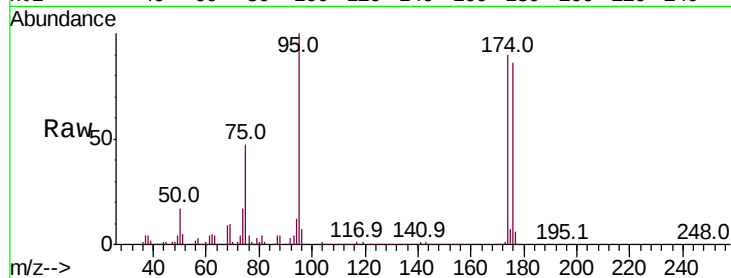
Tot Ion: 95 Resp: 156165

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.6

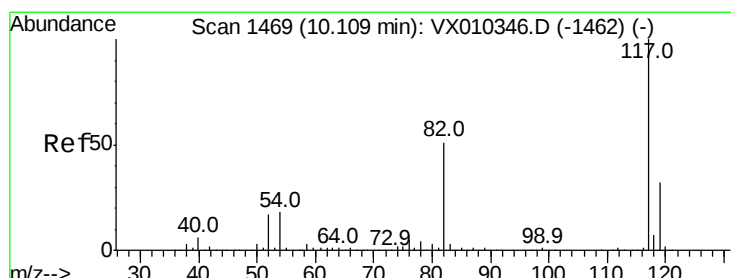
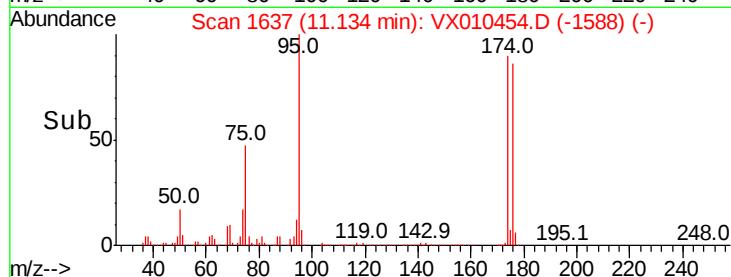
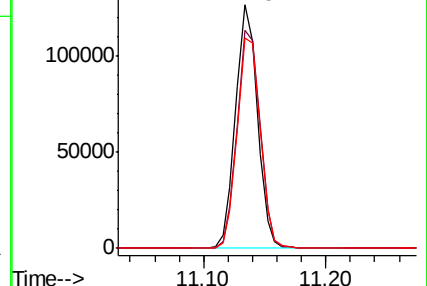
176 91.3 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010454.D

Acq: 26 Jun 2019 11:52

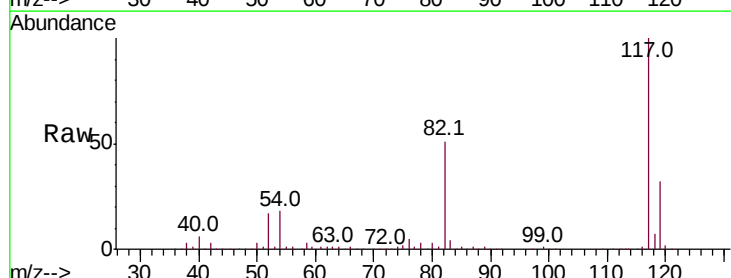
Tgt Ion: 117 Resp: 355533

Ion Ratio Lower Upper

117 100

82 50.7 41.2 61.8

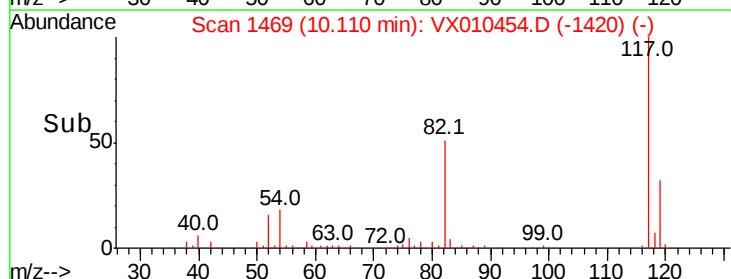
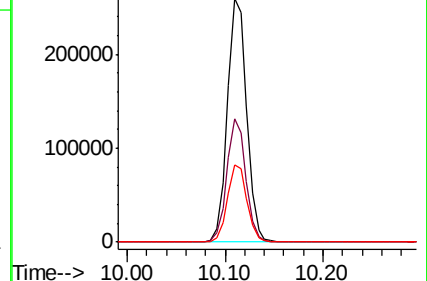
119 31.5 25.5 38.3

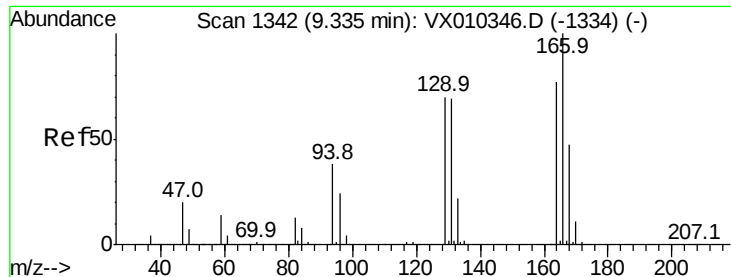


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#64

Tetrachloroethene

Concen: 3.375 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010454.D

Acq: 26 Jun 2019 11:52

Instrument :

MSVOA\_X

ClientSampleId :

CPA-AMW-4-M24W1-062119

Tot Ion:164 Resp: 9705

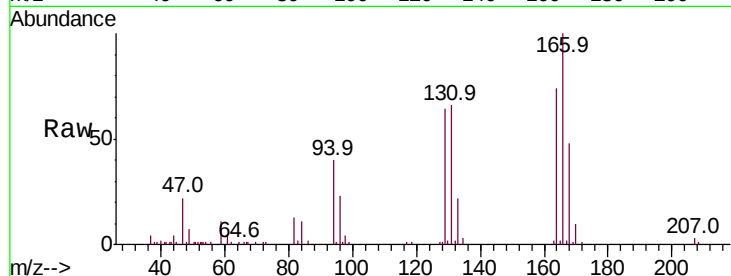
Ion Ratio Lower Upper

164 100

166 134.9 103.6 155.4

129 86.5 73.0 109.4

131 88.6 71.0 106.4

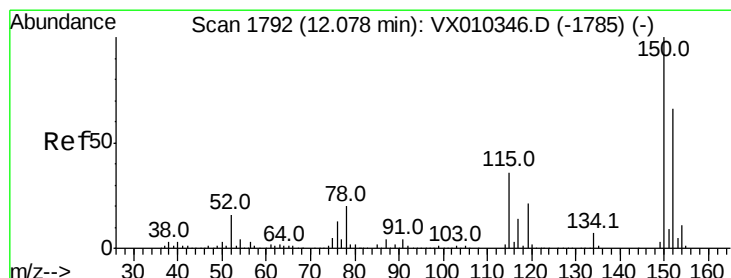
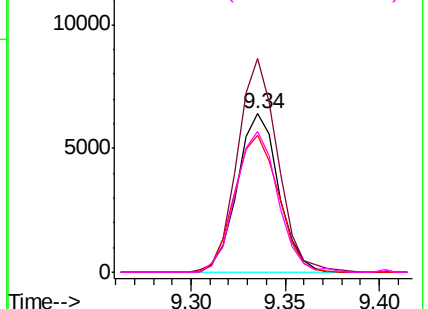
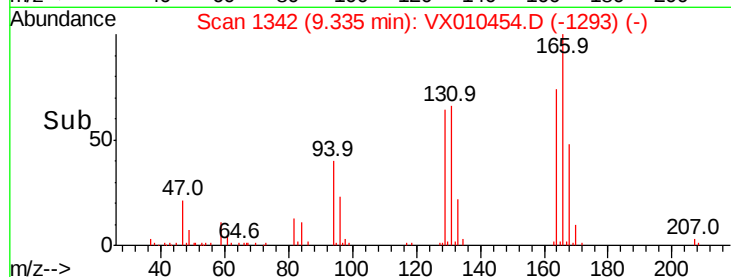


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010454.D

Acq: 26 Jun 2019 11:52

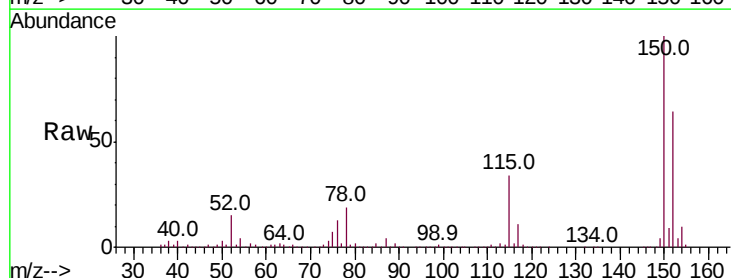
Tgt Ion:152 Resp: 164155

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

150 156.9 0.0 347.4



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

