

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\  
 Data File : VX010397.D  
 Acq On : 21 Jun 2019 20:05  
 Operator : JC/SP  
 Sample : K3486-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 W-3

Quant Time: Jun 24 16:32:02 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

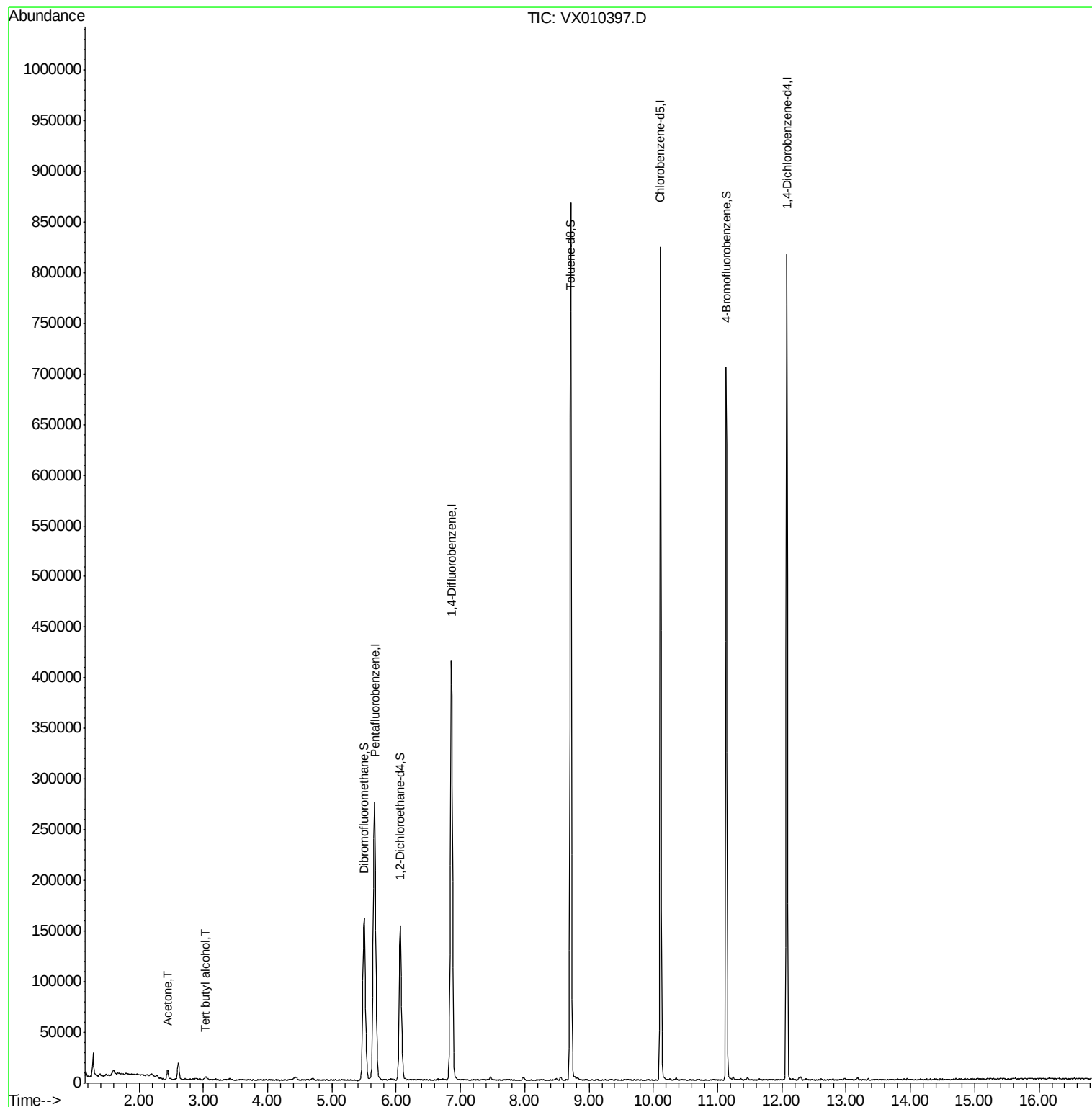
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 289668   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 451920   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 399899   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 184796   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 136913   | 50.41 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.82% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 137254   | 49.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.28%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 528712   | 49.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.96%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 174747   | 45.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.52%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 11) Tert butyl alcohol      | 3.04  | 59   | 3418     | 4.810 | ug/l #  | 85       |
| 16) Acetone                 | 2.45  | 43   | 10001    | 7.348 | ug/l    | 97       |

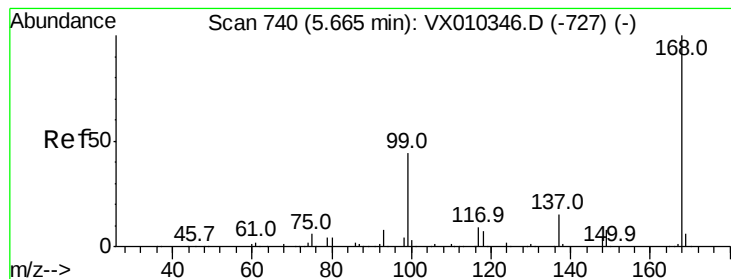
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA\_X

ClientSampleId :

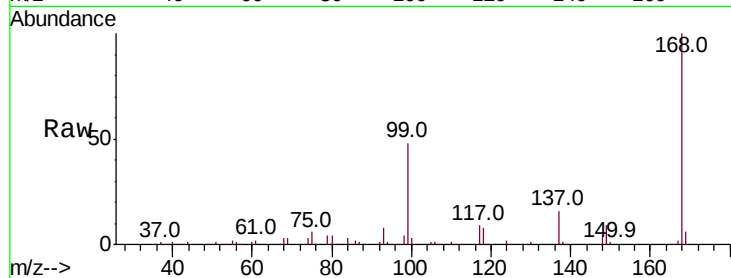
W-3

Tot Ion:168 Resp: 289668

Ion Ratio Lower Upper

168 100

99 48.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX010346.D (-727) (-)

5.67

120000

100000

80000

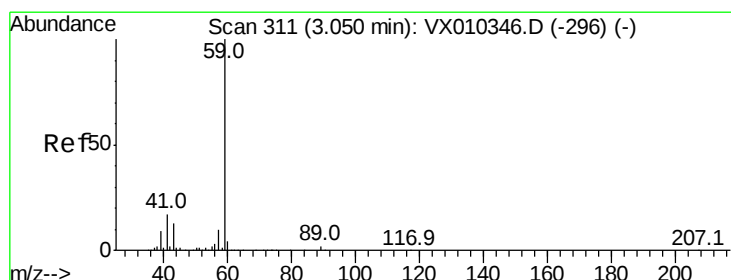
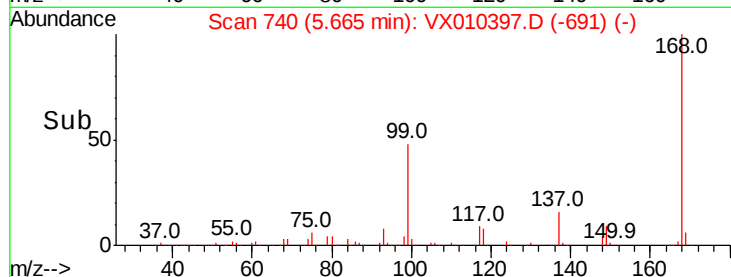
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 4.810 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010397.D

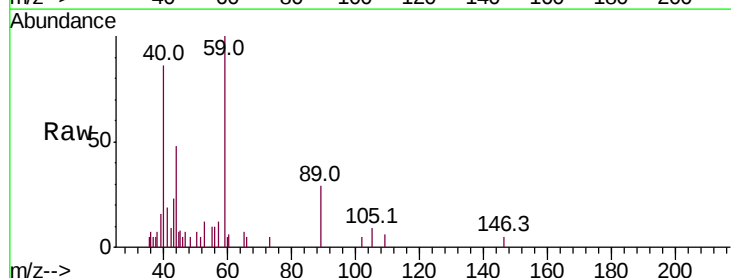
Acq: 21 Jun 2019 20:05

Tgt Ion: 59 Resp: 3418

Ion Ratio Lower Upper

59 100

57 15.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX010346.D (-296) (-)

Ion 57.00 (56.70 to 57.70): VX010346.D (-296) (-)

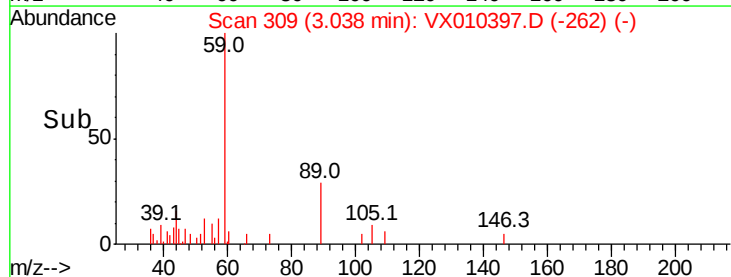
3.04

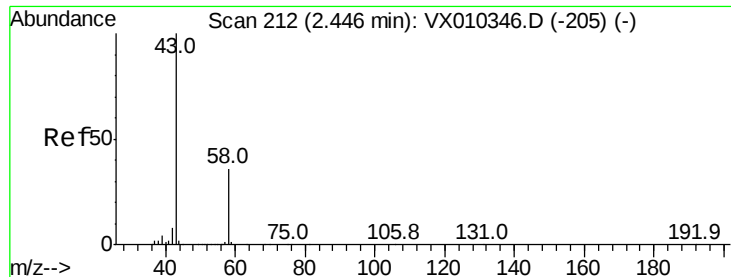
1000

500

0

Time--> 2.90 3.00 3.10





#16

Acetone

Concen: 7.348 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA\_X

ClientSampleId :

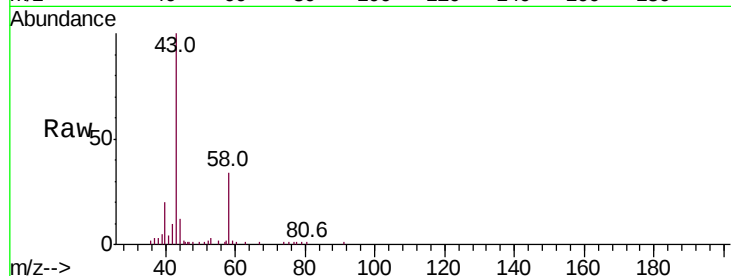
W-3

Tot Ion: 43 Resp: 10001

Ion Ratio Lower Upper

43 100

58 34.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

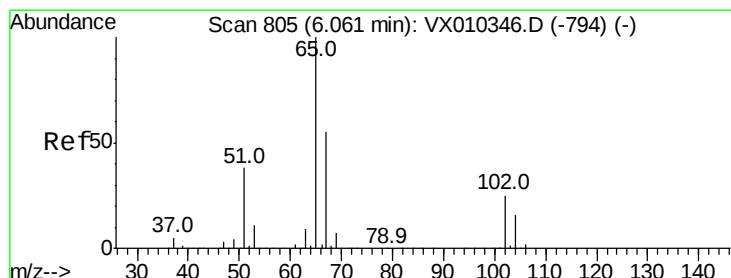
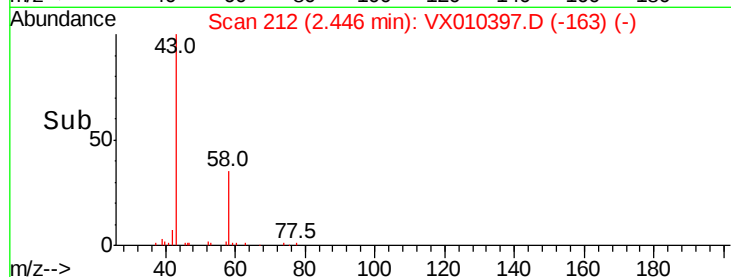
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55

2.45



#33

1,2-Dichloroethane-d4

Concen: 50.411 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010397.D

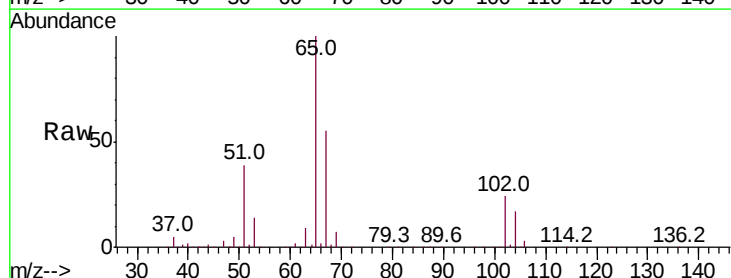
Acq: 21 Jun 2019 20:05

Tgt Ion: 65 Resp: 136913

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

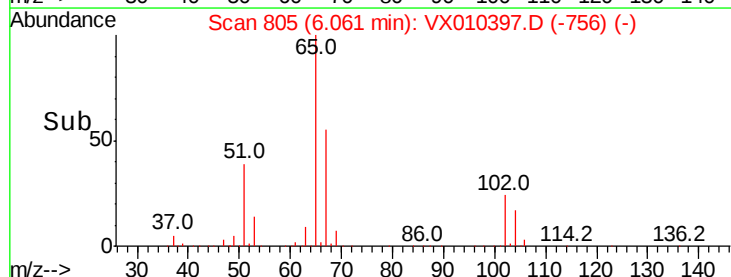
20000

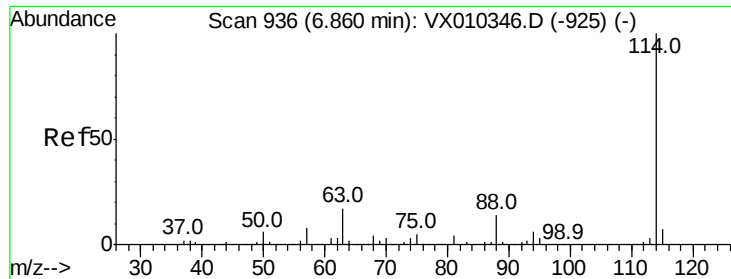
10000

0

Time--> 5.90 6.00 6.10 6.20

6.06

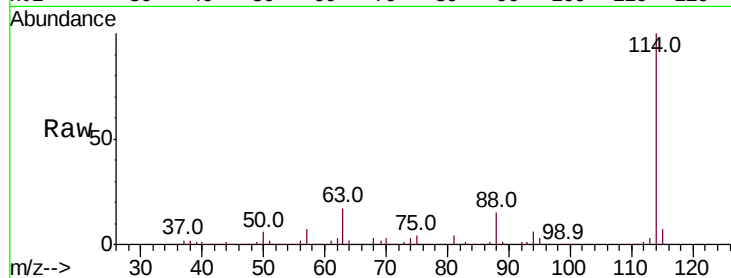




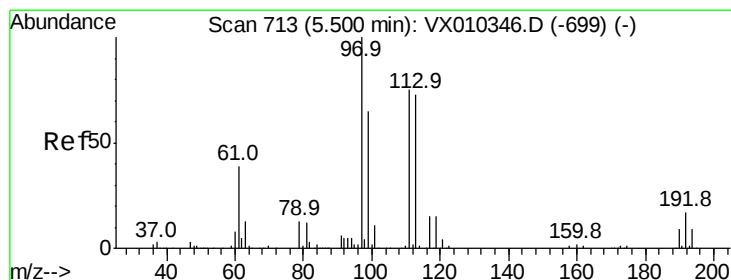
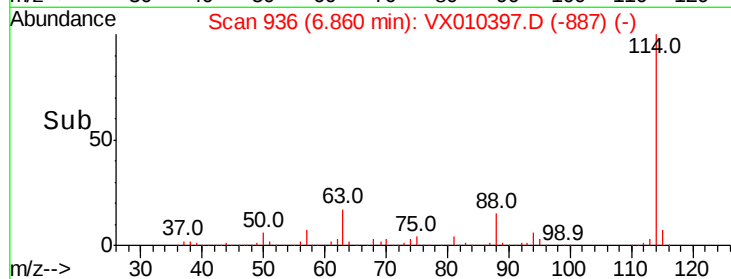
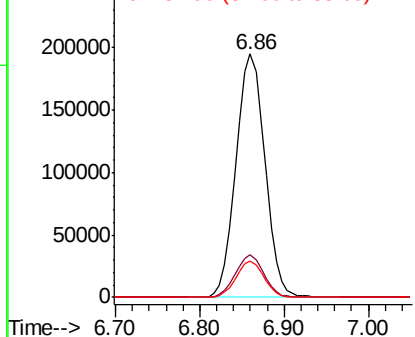
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010397.D  
 Acq: 21 Jun 2019 20:05

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 W-3

Tot Ion:114 Resp: 451920  
 Ion Ratio Lower Upper  
 114 100  
 63 17.3 0.0 33.8  
 88 14.7 0.0 27.6

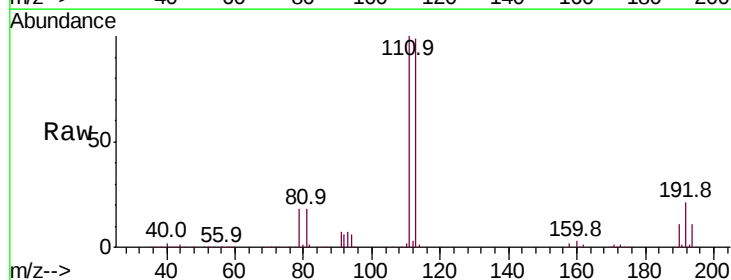


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

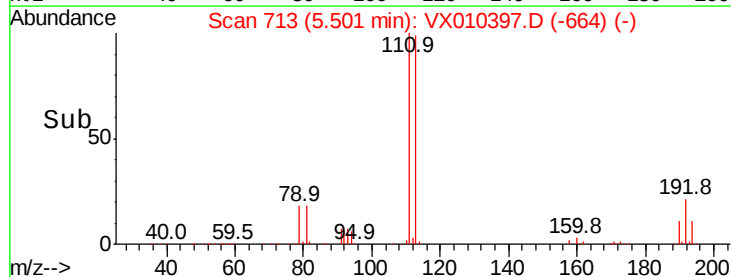
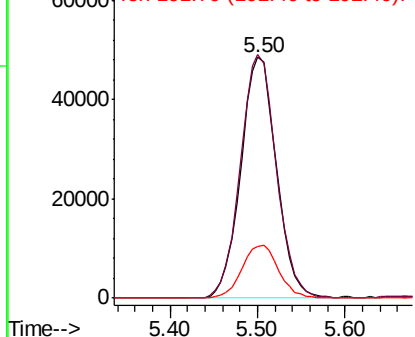


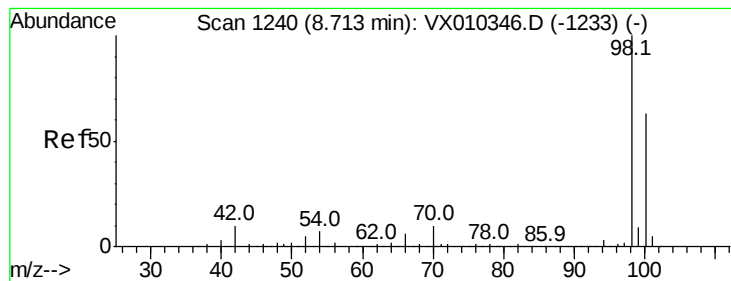
#35  
 Dibromofluoromethane  
 Concen: 49.640 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010397.D  
 Acq: 21 Jun 2019 20:05

Tgt Ion:113 Resp: 137254  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.2 121.8  
 192 22.5 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: 49.980 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA\_X

ClientSampled :

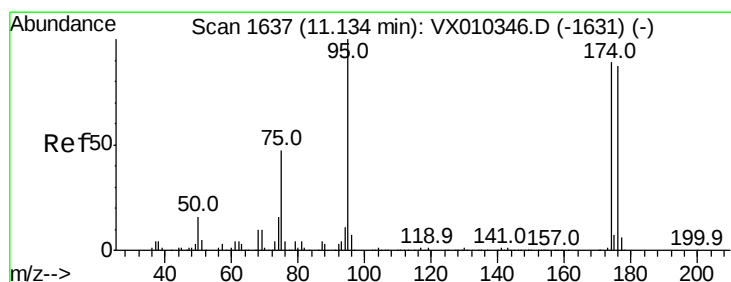
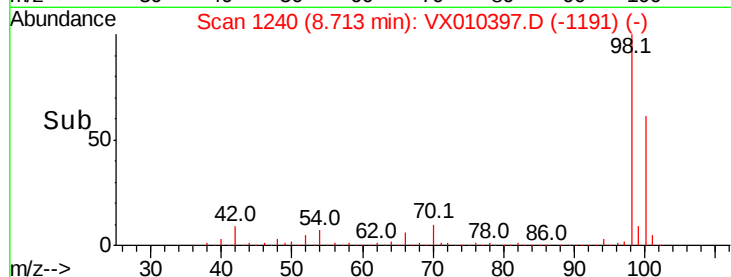
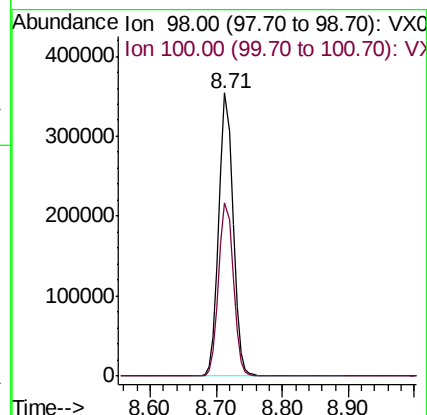
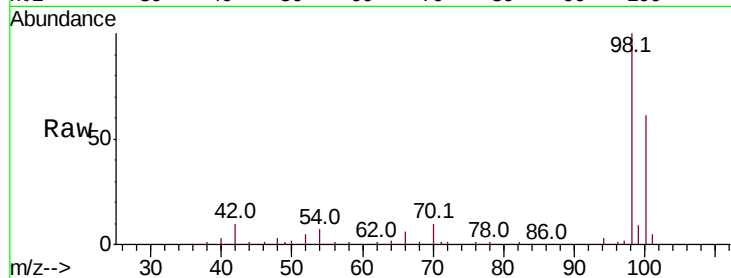
W-3

Tot Ion: 98 Resp: 528712

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 45.756 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

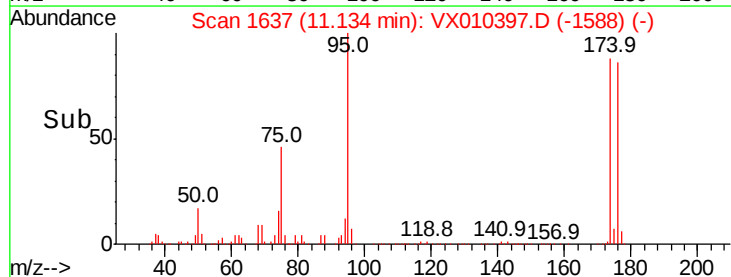
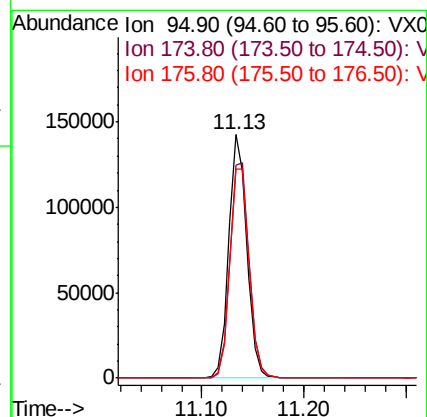
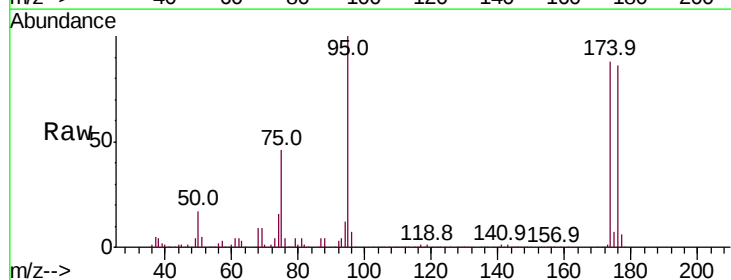
Tgt Ion: 95 Resp: 174747

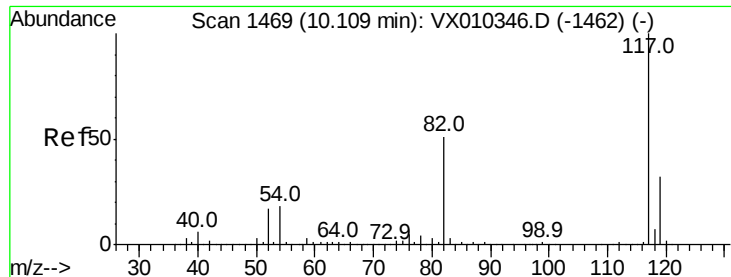
Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.6

176 90.9 0.0 184.0

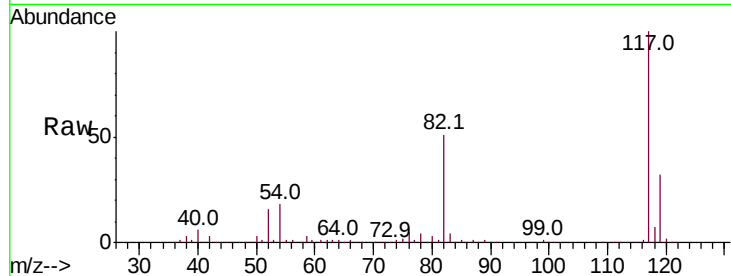




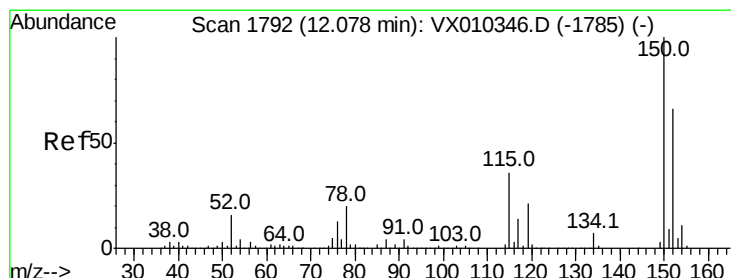
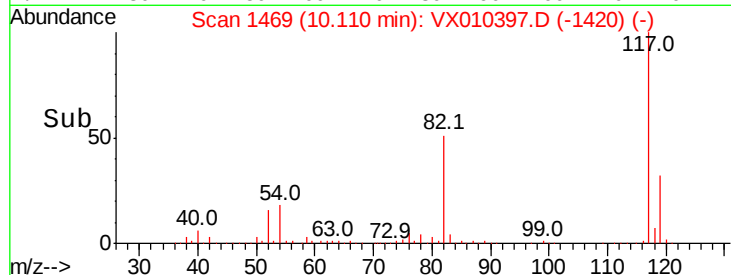
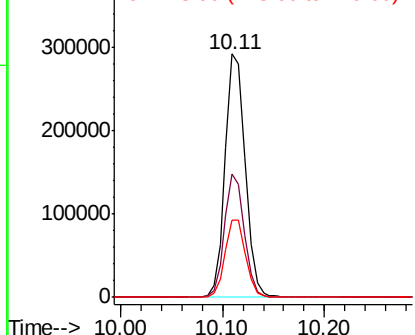
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010397.D  
Acq: 21 Jun 2019 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-3

Tot Ion:117 Resp: 399899  
Ion Ratio Lower Upper  
117 100  
82 50.5 41.2 61.8  
119 31.7 25.5 38.3

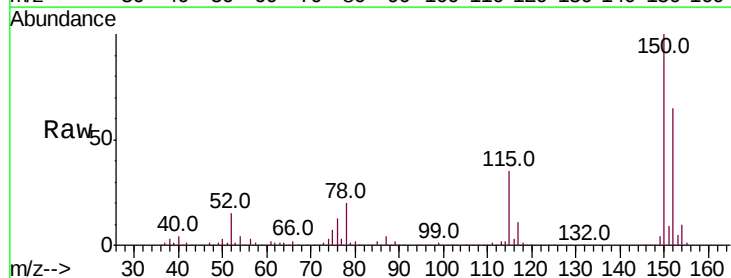


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010397.D  
Acq: 21 Jun 2019 20:05

Tgt Ion:152 Resp: 184796  
Ion Ratio Lower Upper  
152 100  
115 54.5 38.6 115.7  
150 156.4 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

