

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX101918\  
 Data File : VX005447.D  
 Acq On : 19 Oct 2018 10:20  
 Operator : JC/MD  
 Sample : VX1019MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1019MBL01

Quant Time: Oct 20 04:35:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 308437   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 453867   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 382565   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 188599   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 166479   | 48.63 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.26% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 150273   | 49.99 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.98% |      |
| 50) Toluene-d8              | 8.71   | 98  | 510187   | 49.44 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.88% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 169002   | 43.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.18% |      |

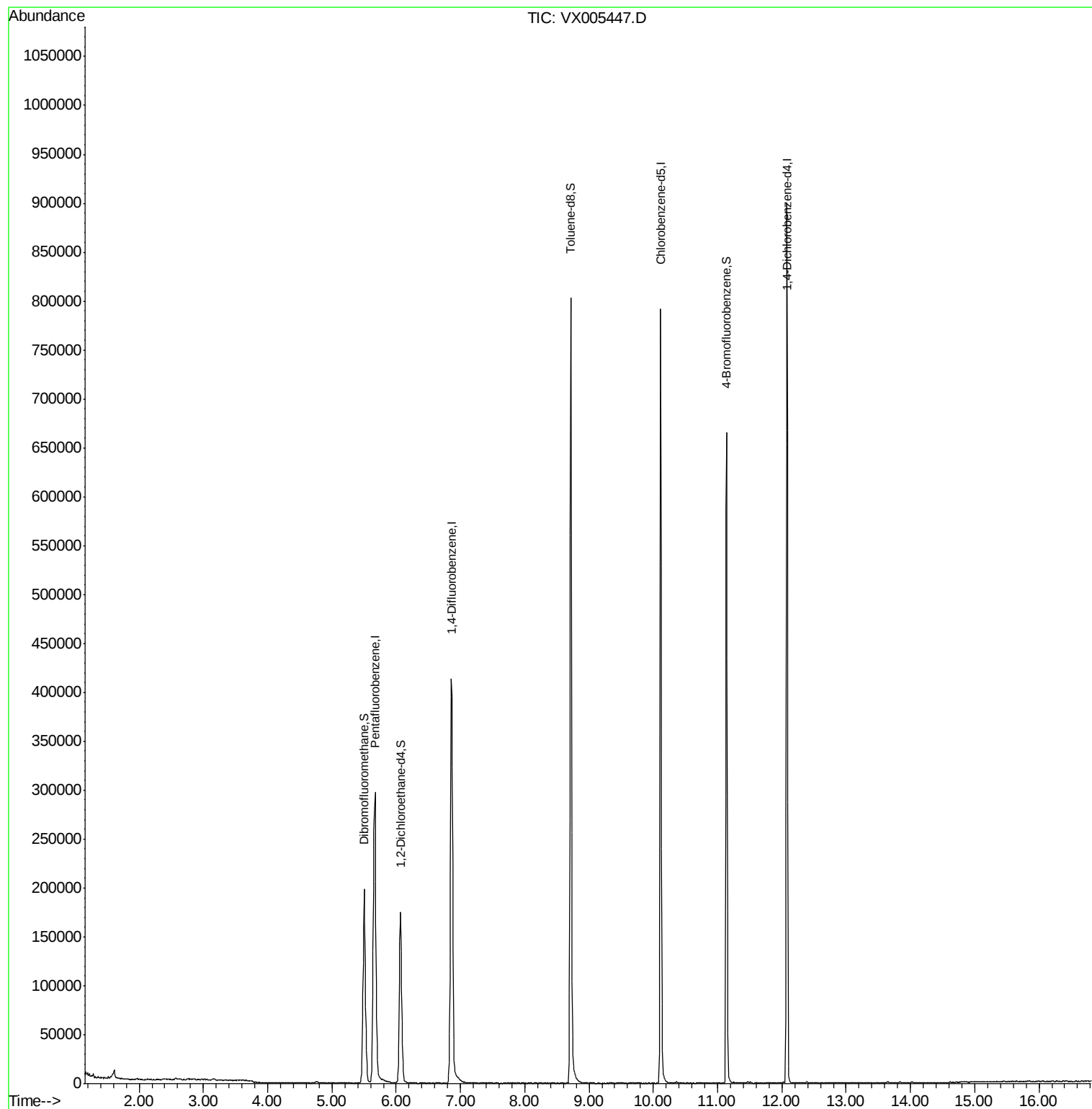
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

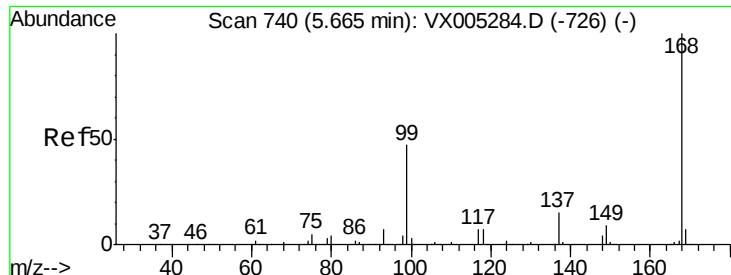
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA\_X

ClientSampleId :

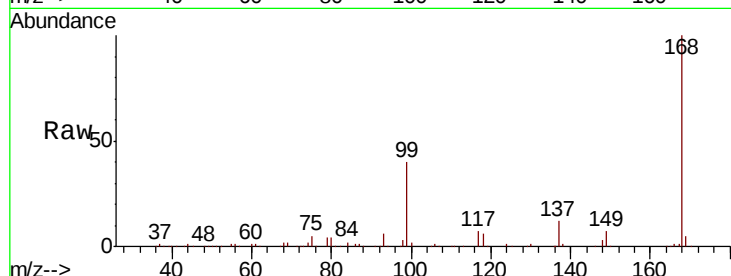
VX1019MBL01

Tot Ion:168 Resp: 308437

Ion Ratio Lower Upper

168 100

99 39.6 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): VX005284.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX005284.D (-726) (-)

5.67

150000

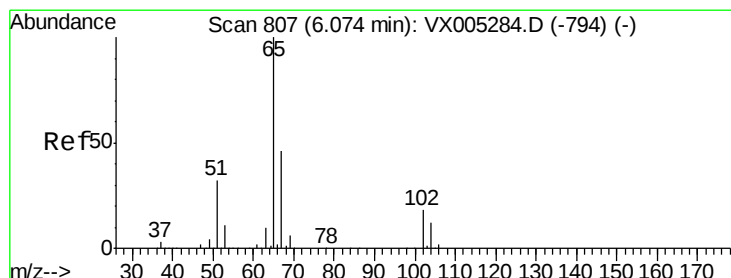
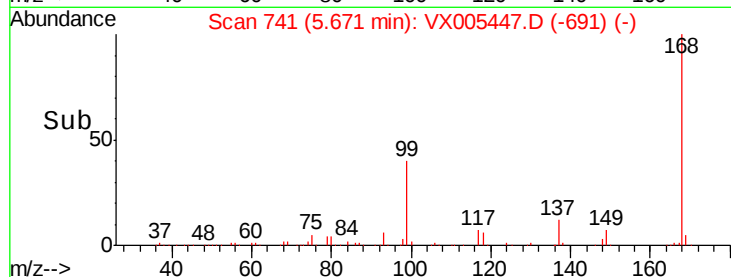
100000

50000

0

5.60 5.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.633 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005447.D

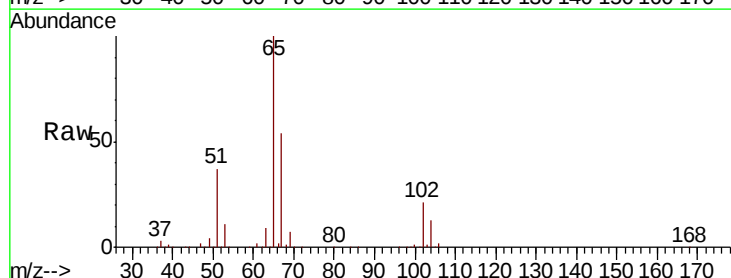
Acq: 19 Oct 2018 10:20

Tgt Ion: 65 Resp: 166479

Ion Ratio Lower Upper

65 100

67 54.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX005284.D (-794) (-)

Ion 66.90 (66.60 to 67.60): VX005284.D (-794) (-)

6.07

60000

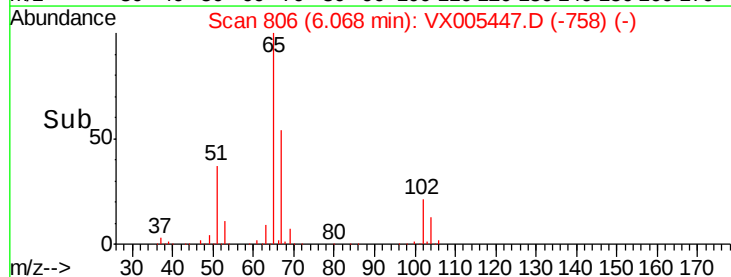
40000

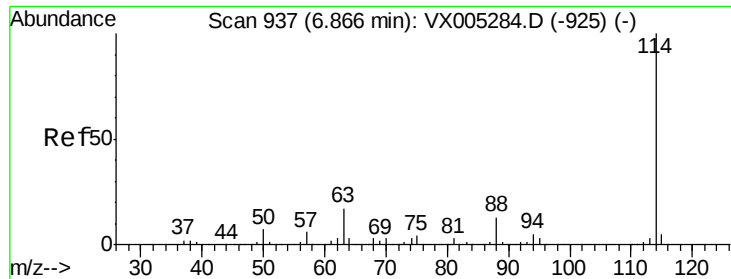
20000

0

6.00 6.10 6.20

Time-->

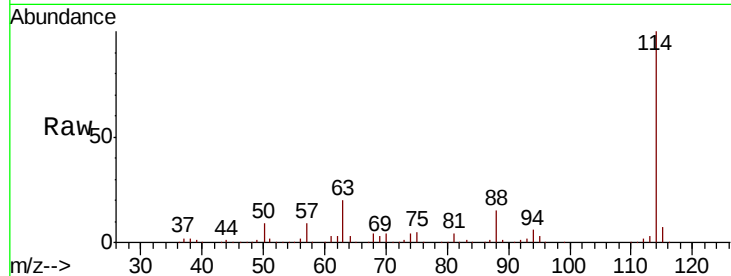




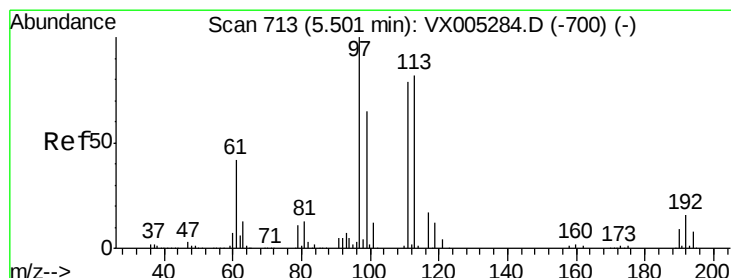
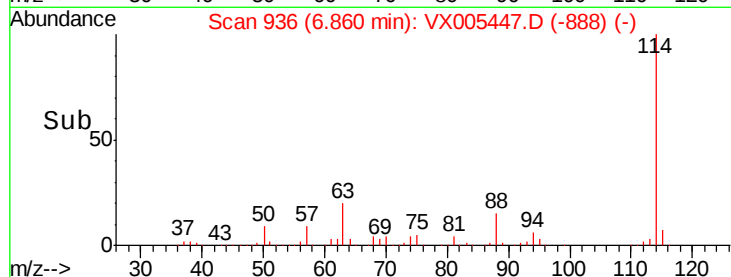
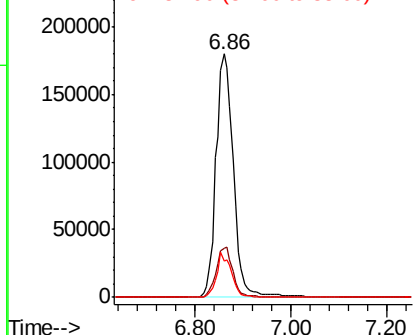
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: VX005447.D  
 Acq: 19 Oct 2018 10:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1019MBL01

Tot Ion:114 Resp: 453867  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.0  
 88 14.9 0.0 30.4

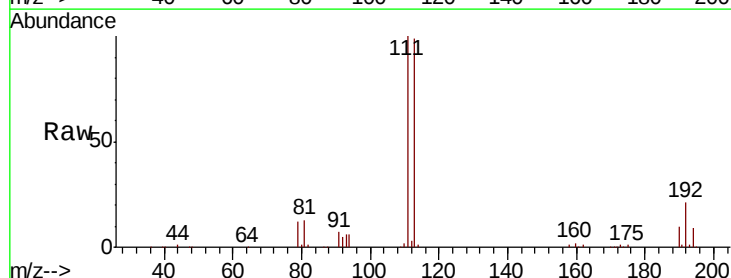


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

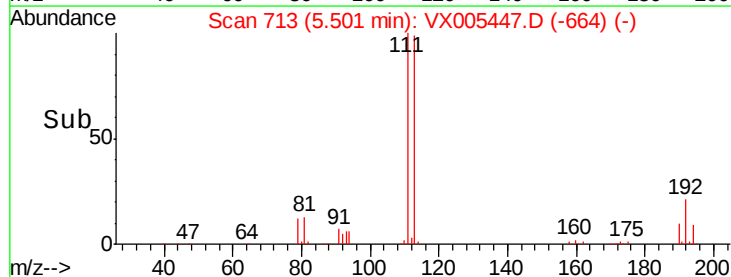
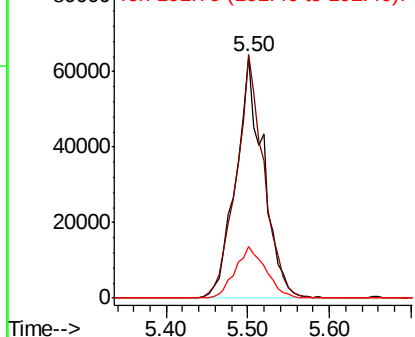


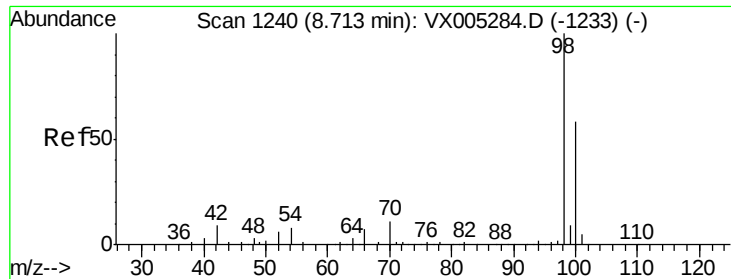
#35  
 Dibromofluoromethane  
 Concen: 49.990 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX005447.D  
 Acq: 19 Oct 2018 10:20

Tgt Ion:113 Resp: 150273  
 Ion Ratio Lower Upper  
 113 100  
 111 100.7 82.4 123.6  
 192 23.6 19.4 29.2



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: 49.436 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA\_X

ClientSampleId :

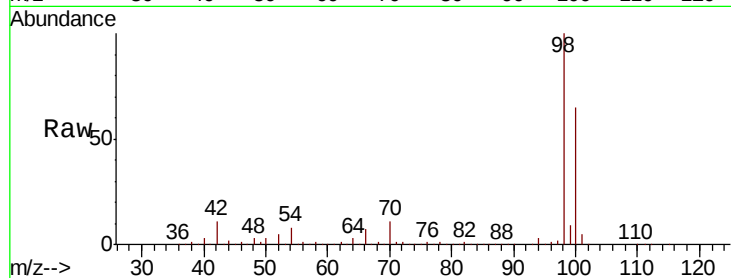
VX1019MBL01

Tot Ion: 98 Resp: 510187

Ion Ratio Lower Upper

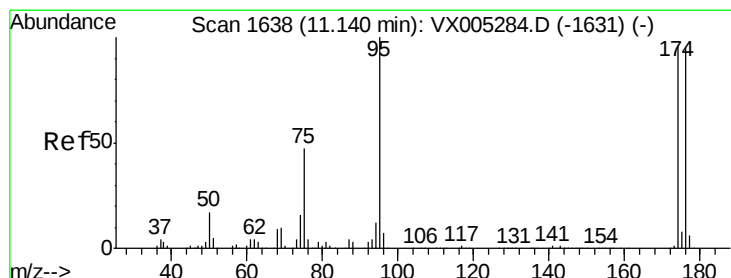
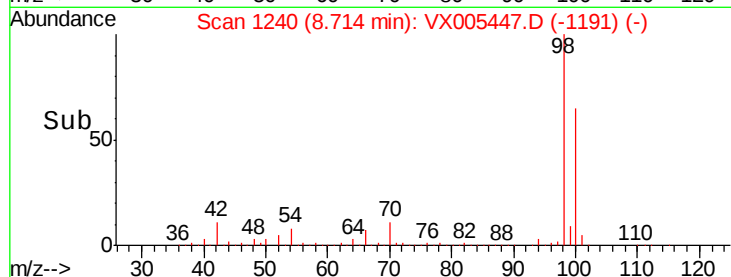
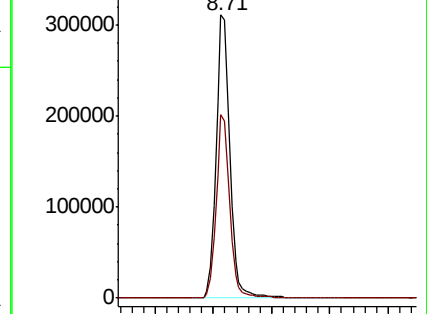
98 100

100 63.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.592 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005447.D

Acq: 19 Oct 2018 10:20

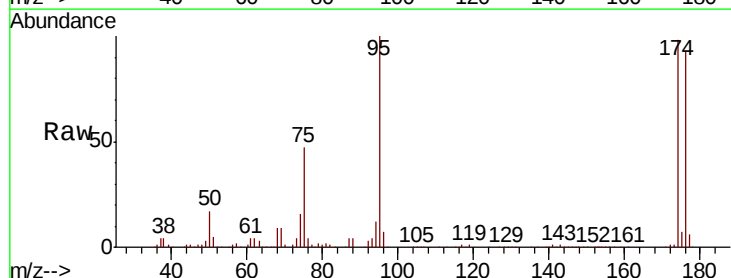
Tgt Ion: 95 Resp: 169002

Ion Ratio Lower Upper

95 100

174 96.3 0.0 185.2

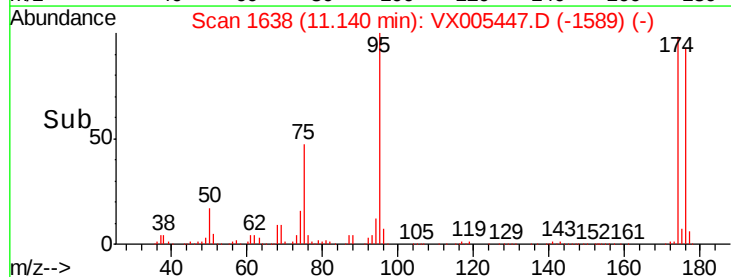
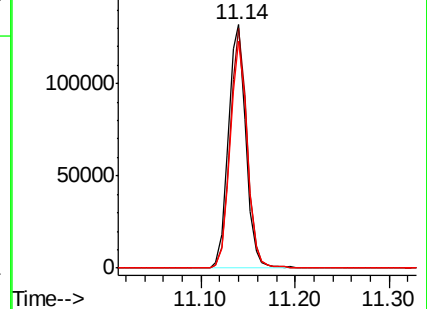
176 92.0 0.0 178.6

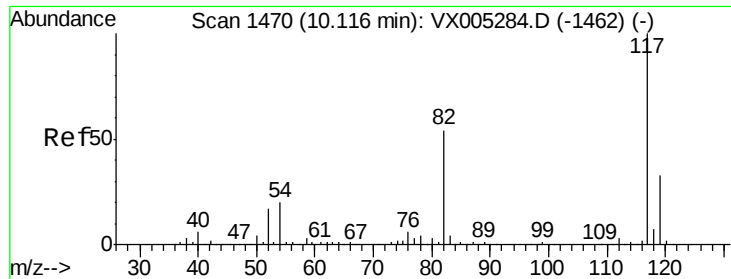


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

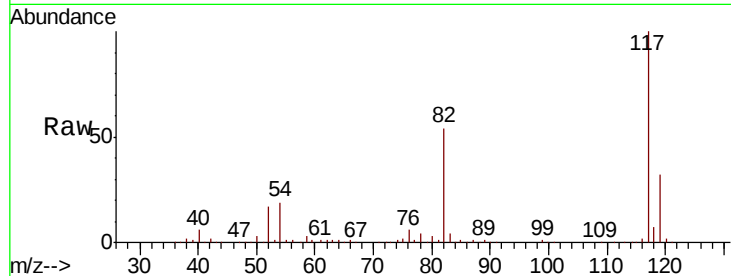




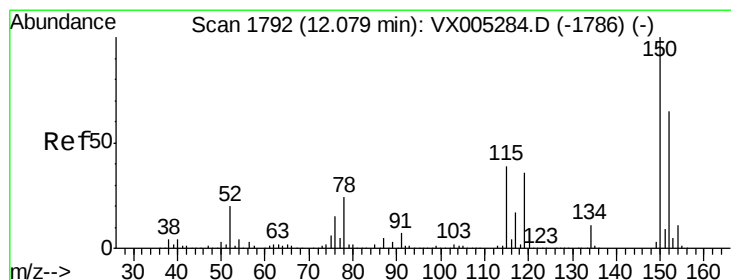
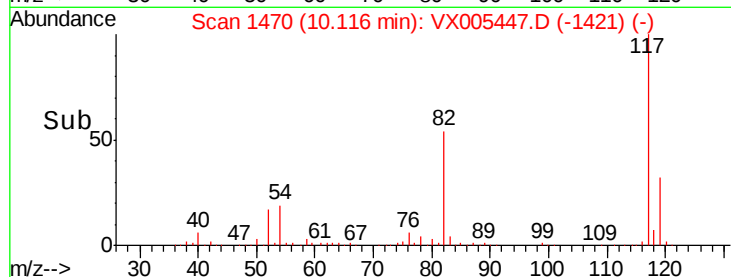
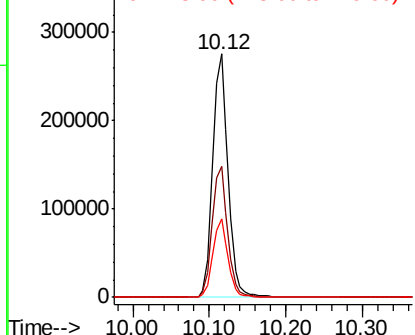
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005447.D  
Acq: 19 Oct 2018 10:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1019MBL01

Tot Ion:117 Resp: 382565  
Ion Ratio Lower Upper  
117 100  
82 53.7 47.8 71.6  
119 32.2 29.3 43.9

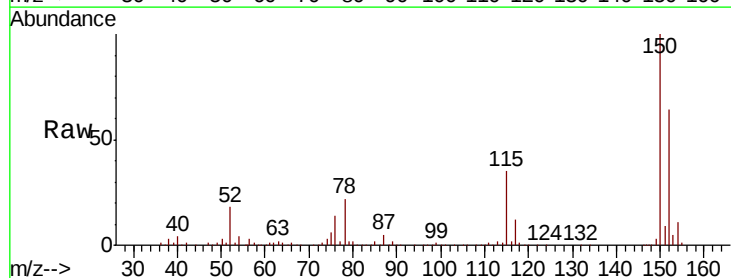


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX005447.D  
Acq: 19 Oct 2018 10:20

Tgt Ion:152 Resp: 188599  
Ion Ratio Lower Upper  
152 100  
115 54.9 39.0 117.0  
150 157.2 0.0 351.0



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

