

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\  
 Data File : VX011944.D  
 Acq On : 31 Aug 2019 12:00  
 Operator : SY/SP  
 Sample : VX0831SBL02  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831SBL02

Quant Time: Sep 01 02:22:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 01:59:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 370426   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 493208   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 453585   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 265863   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 177824   | 50.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.20% |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 167633   | 53.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.00% |      |
| 50) Toluene-d8              | 8.71   | 98  | 613454   | 54.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.52% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 248227   | 50.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.10% |      |

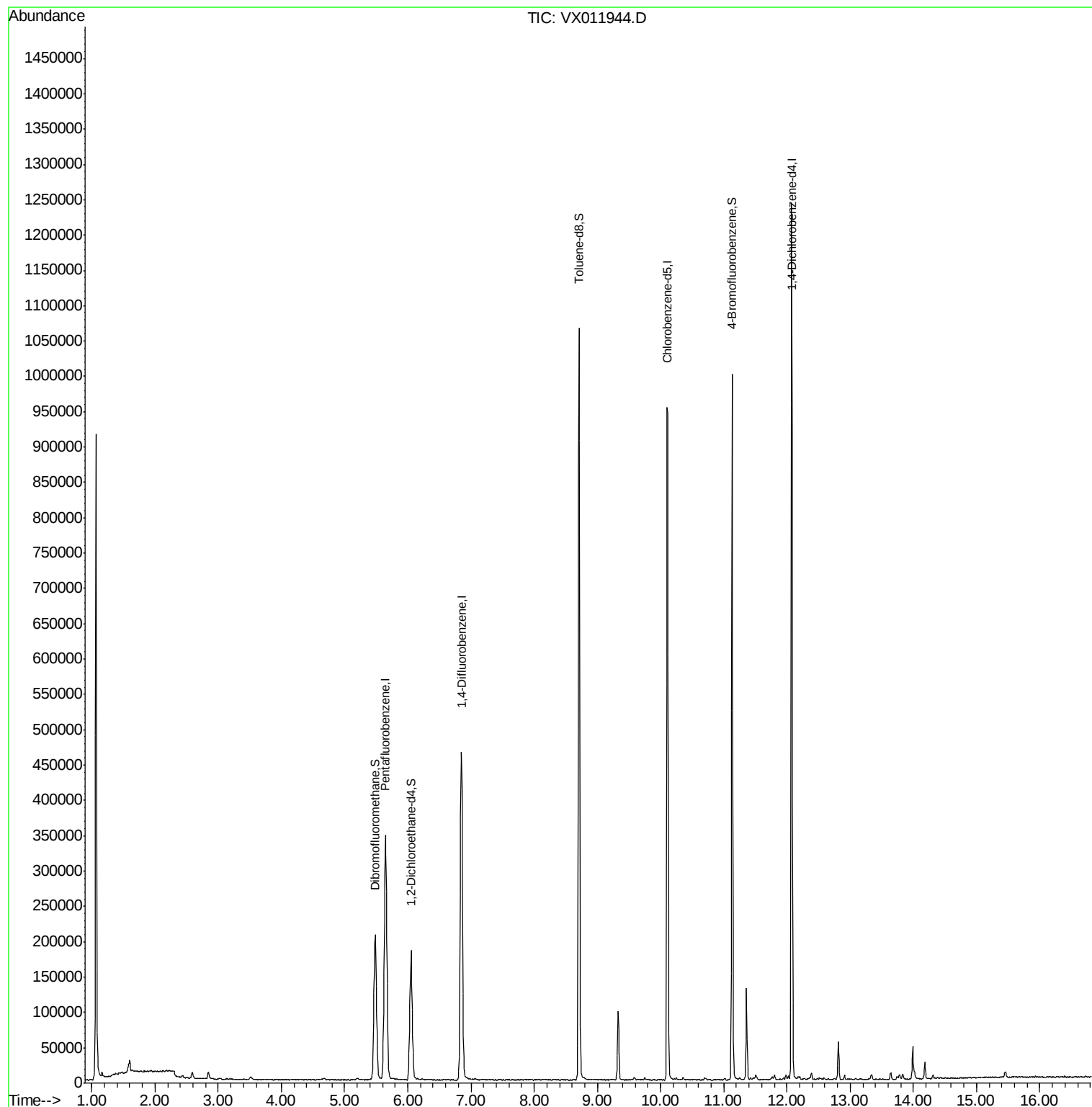
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082919S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 30 01:59:05 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: VX011944.D

Acq: 31 Aug 2019 12:00

Instrument :

MSVOA\_X

ClientSampleId :

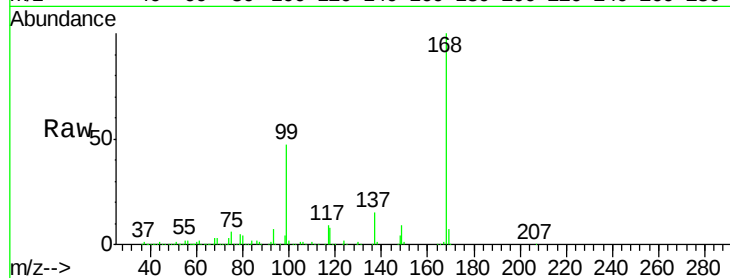
VX0831SBL02

Tot Ion:168 Resp: 370426

Ion Ratio Lower Upper

168 100

99 46.9 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

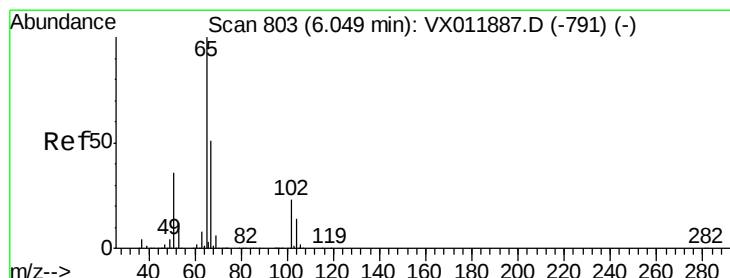
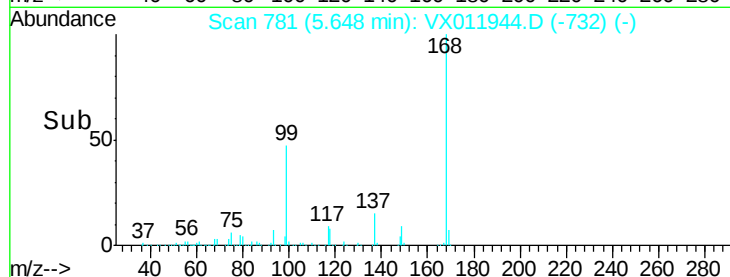
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.105 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011944.D

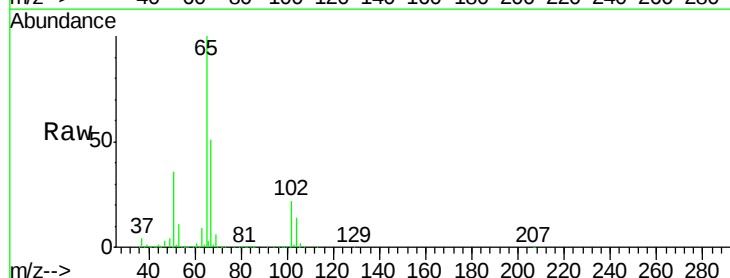
Acq: 31 Aug 2019 12:00

Tgt Ion: 65 Resp: 177824

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

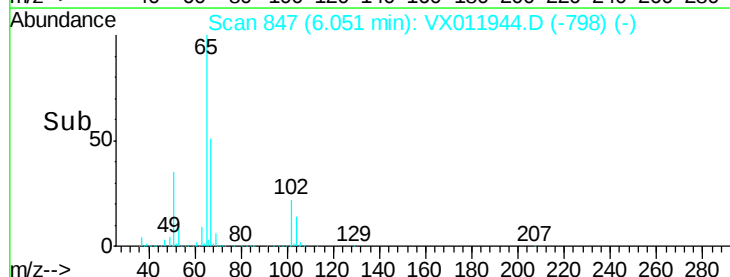
60000

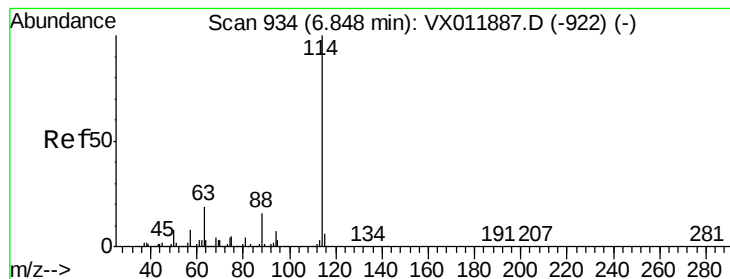
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011944.D

Acq: 31 Aug 2019 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0831SBL02

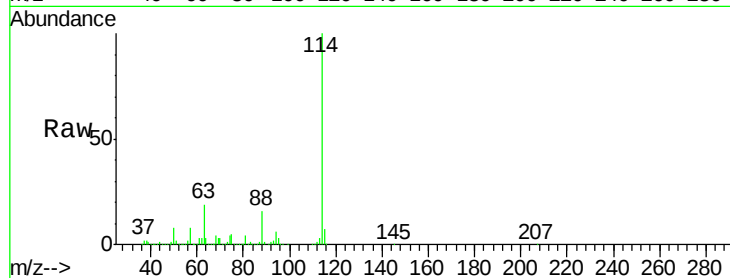
Tot Ion:114 Resp: 493208

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

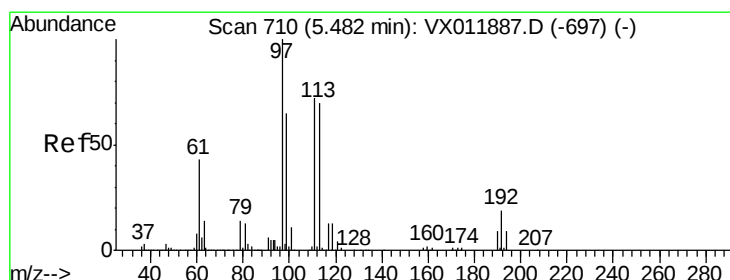
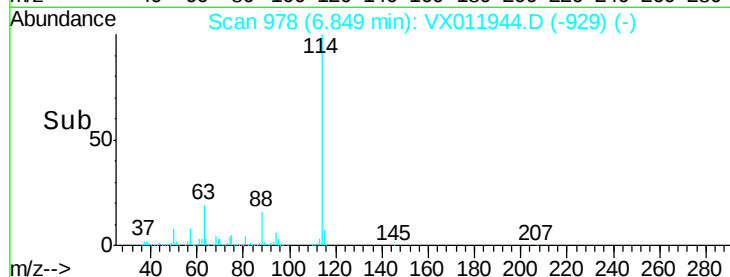
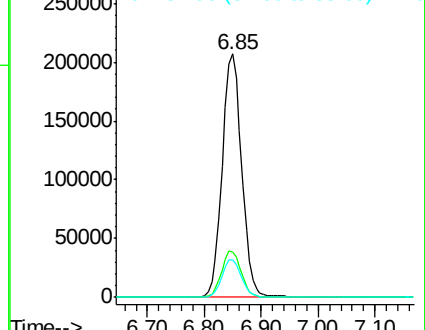
88 15.5 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 53.004 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011944.D

Acq: 31 Aug 2019 12:00

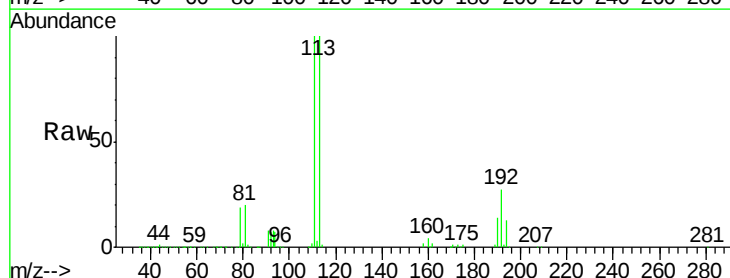
Tgt Ion:113 Resp: 167633

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

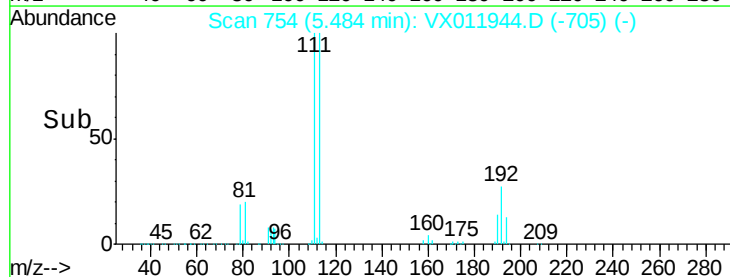
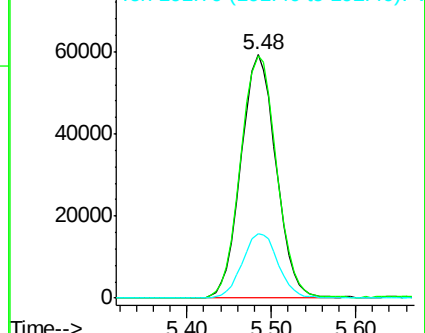
192 27.0 21.5 32.3

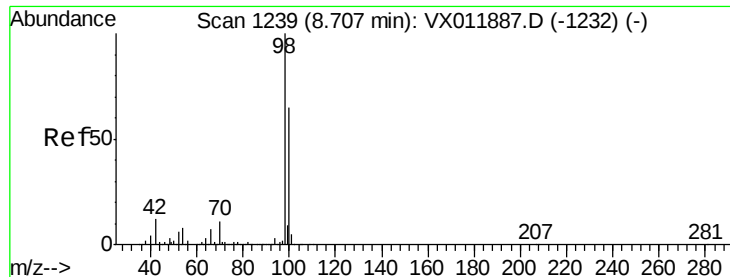


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

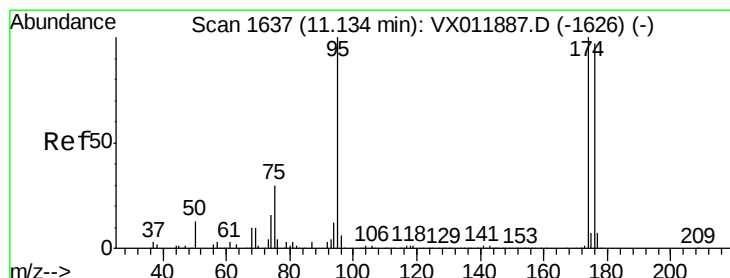
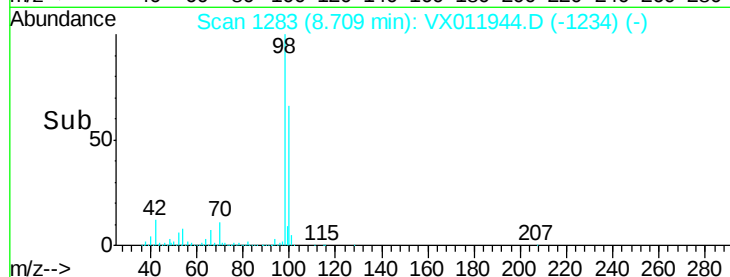
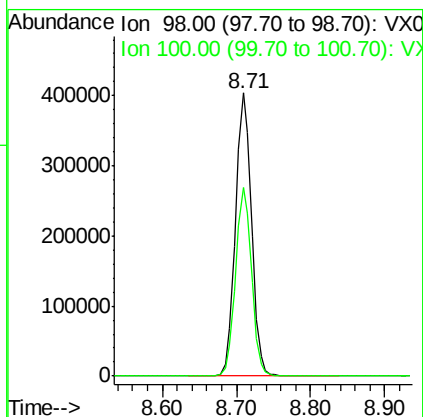
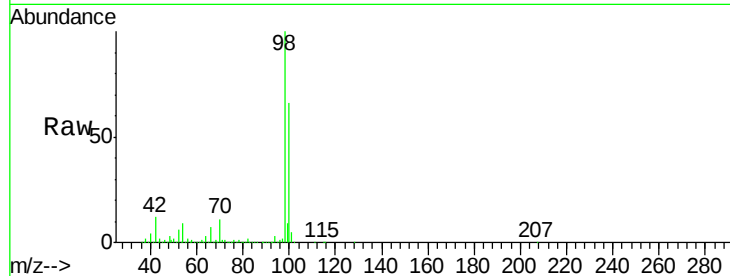




#50  
Toluene-d8  
Concen: 54.262 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX011944.D  
Acq: 31 Aug 2019 12:00

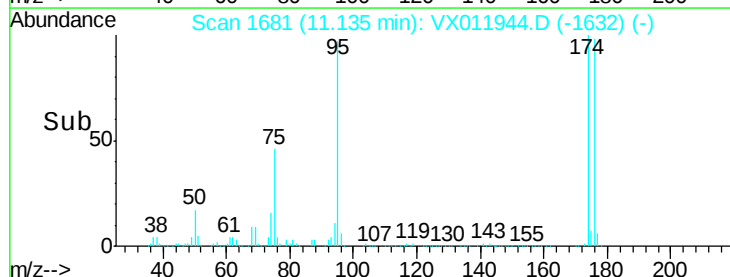
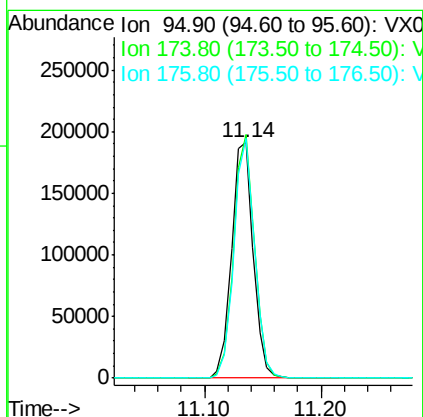
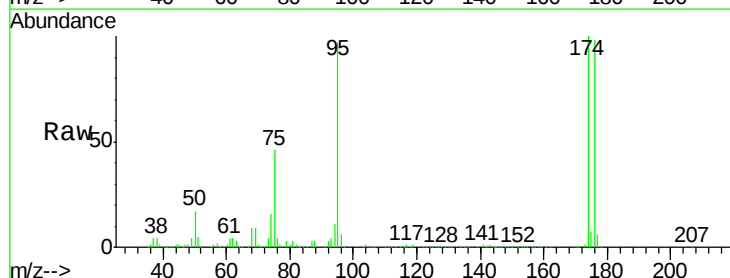
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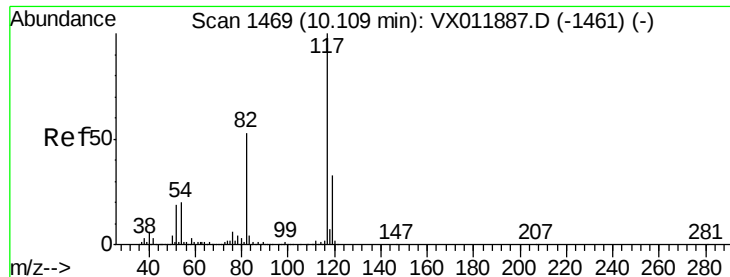
Tot Ion: 98 Resp: 613454  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 50.053 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX011944.D  
Acq: 31 Aug 2019 12:00

Tgt Ion: 95 Resp: 248227  
Ion Ratio Lower Upper  
95 100  
174 99.2 0.0 196.0  
176 97.0 0.0 191.4

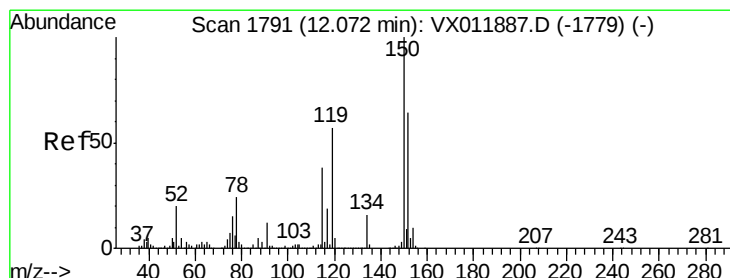
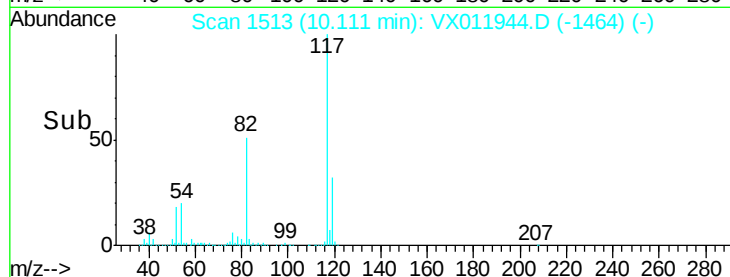
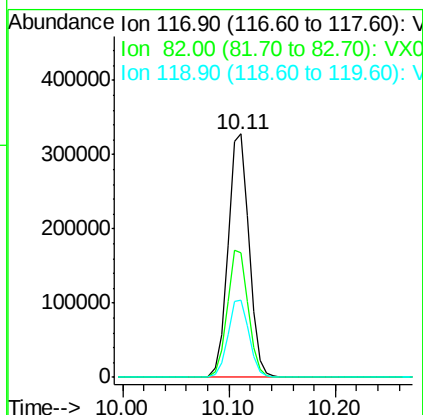
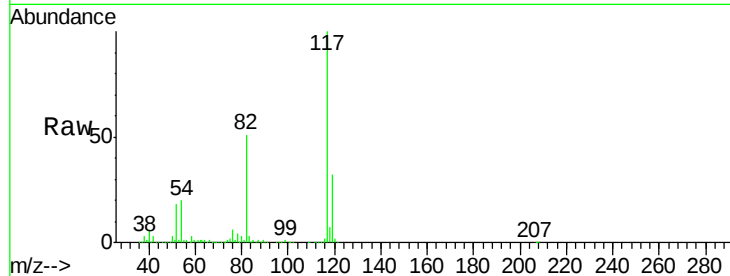




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX011944.D  
Acq: 31 Aug 2019 12:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831SBL02

Tot Ion:117 Resp: 453585  
Ion Ratio Lower Upper  
117 100  
82 51.2 42.0 63.0  
119 31.9 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX011944.D  
Acq: 31 Aug 2019 12:00

Tgt Ion:152 Resp: 265863  
Ion Ratio Lower Upper  
152 100  
115 53.2 37.1 111.3  
150 154.4 0.0 339.6

