

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\  
 Data File : VX011080.D  
 Acq On : 26 Jul 2019 10:53  
 Operator : JC/SP  
 Sample : VX0726WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0726WBL01

Quant Time: Jul 27 02:18:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 24 05:39:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 205556   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 323534   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 296114   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 138656   | 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   | 111235   | 50.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.74% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 102264   | 49.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 99.60%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 386790   | 50.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.44% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 136641   | 48.27 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 96.54%  |          |

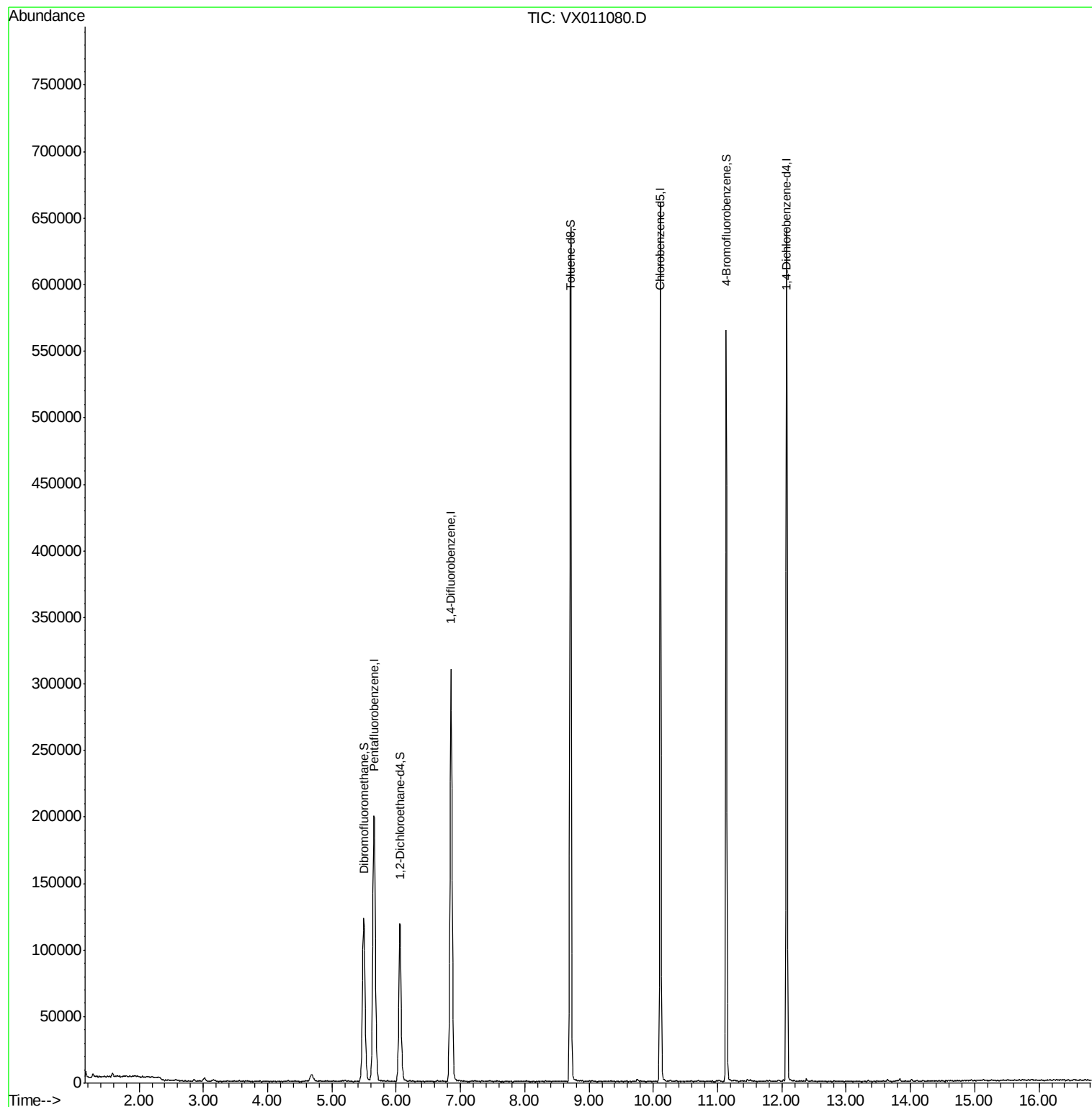
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

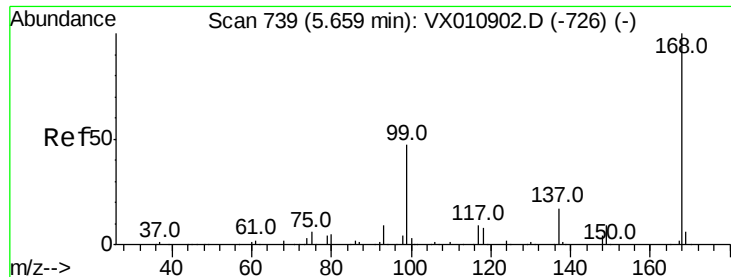
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 24 05:39:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA\_X

ClientSampleId :

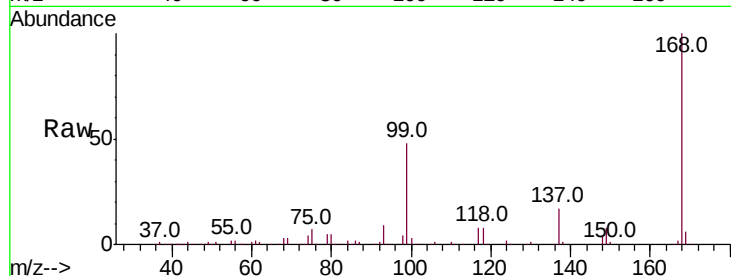
VX0726WBL01

Tot Ion:168 Resp: 205556

Ion Ratio Lower Upper

168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

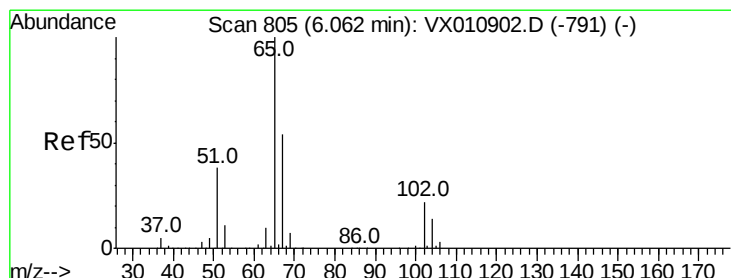
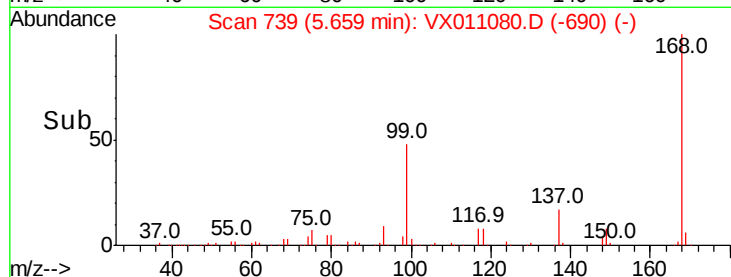
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.866 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011080.D

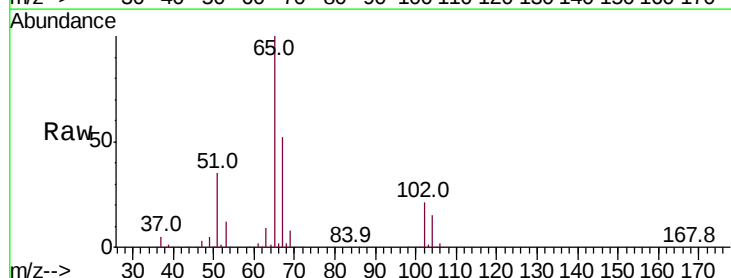
Acq: 26 Jul 2019 10:53

Tgt Ion: 65 Resp: 111235

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

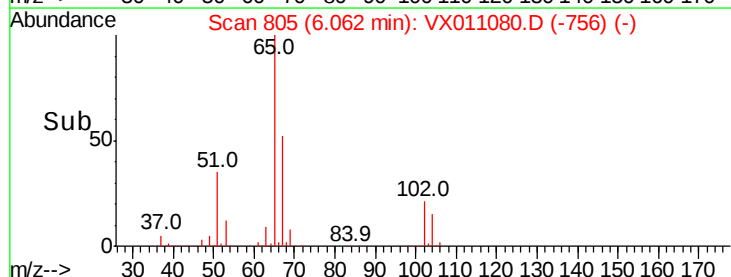
30000

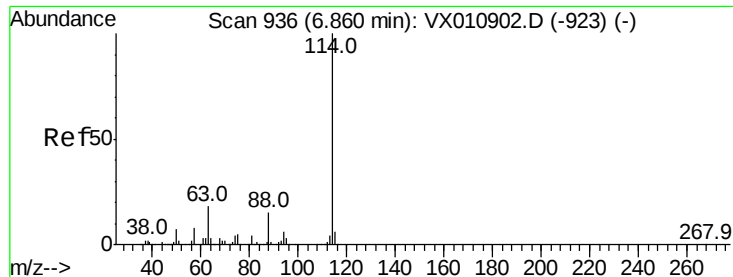
20000

10000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0726WBL01

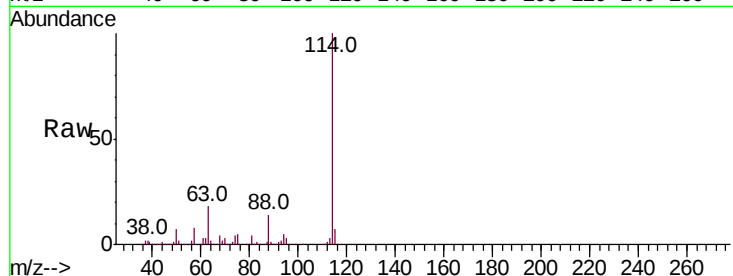
Tot Ion:114 Resp: 323534

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

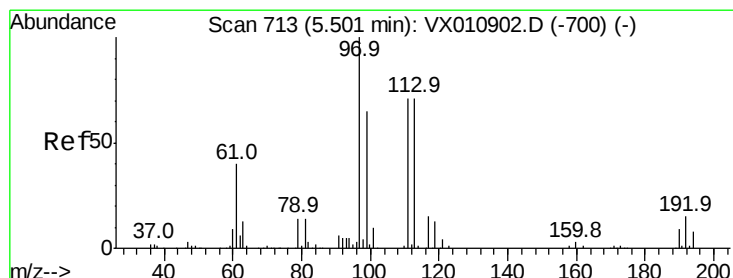
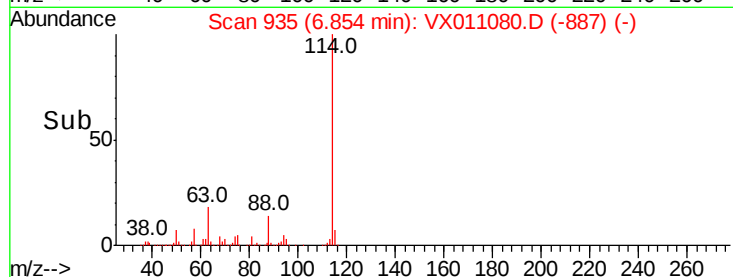
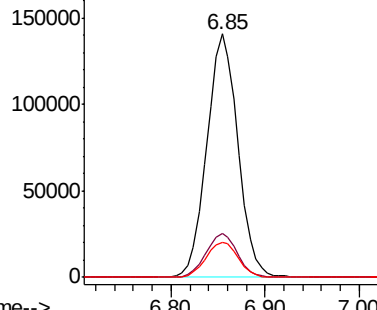
88 14.4 0.0 29.8



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: 49.799 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

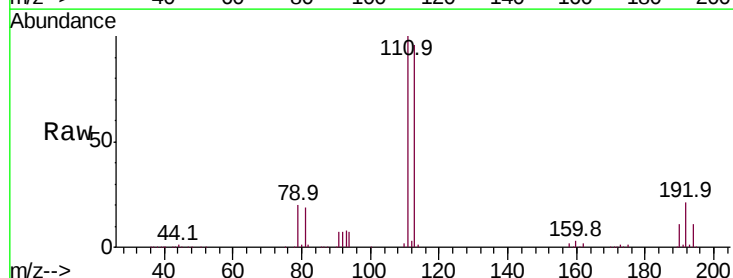
Tgt Ion:113 Resp: 102264

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

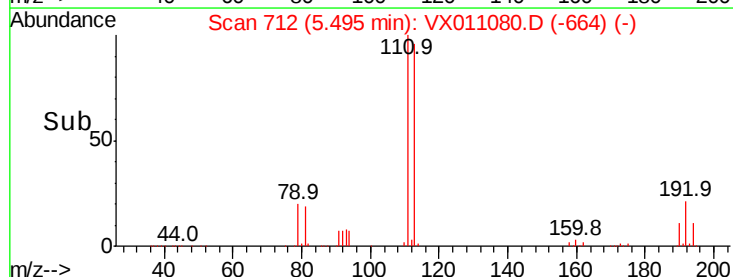
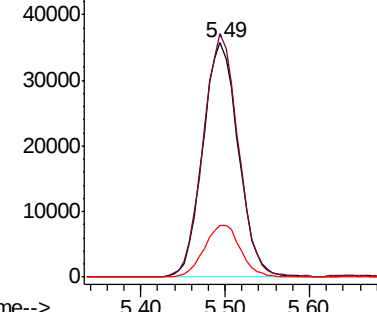
192 22.5 17.4 26.2

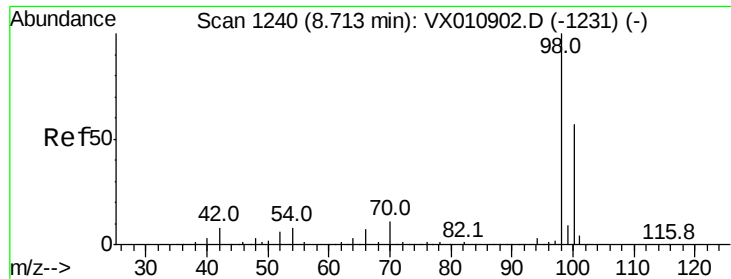


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

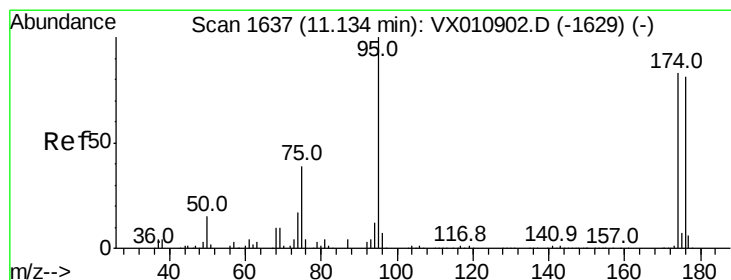
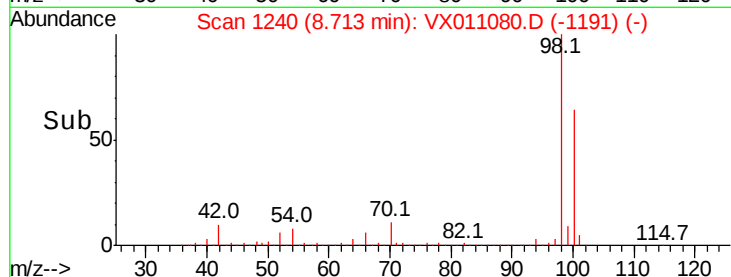
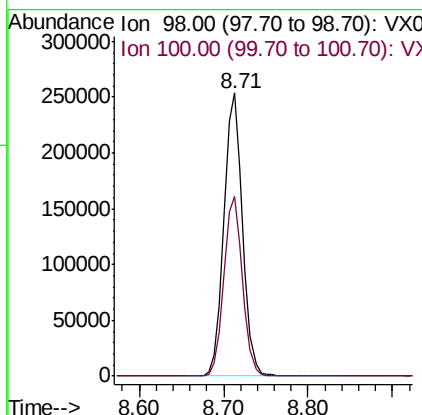
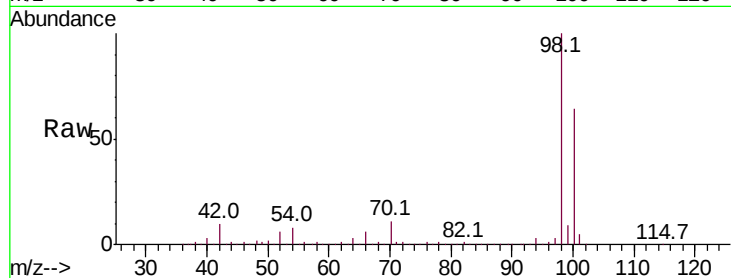




#50  
Toluene-d8  
Concen: 50.219 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX011080.D  
Acq: 26 Jul 2019 10:53

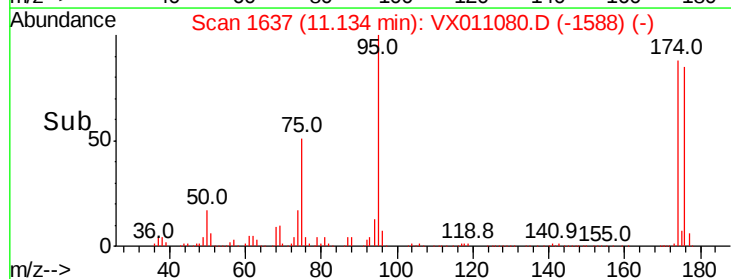
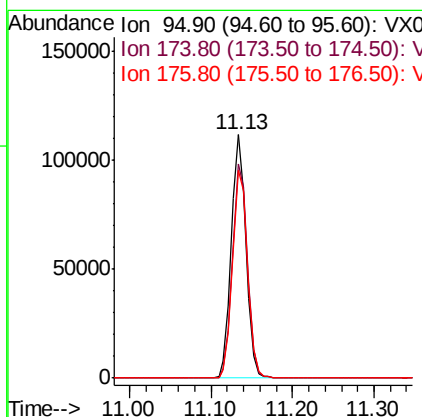
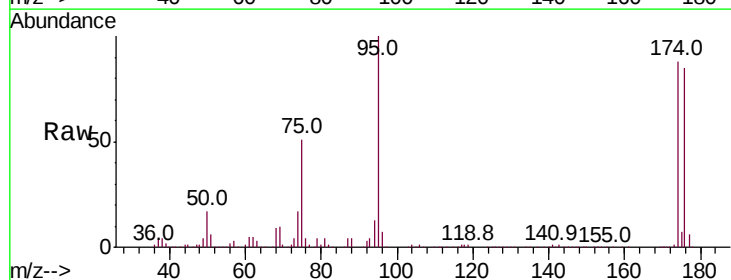
Instrument :  
MSVOA\_X  
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VX0726WBL01

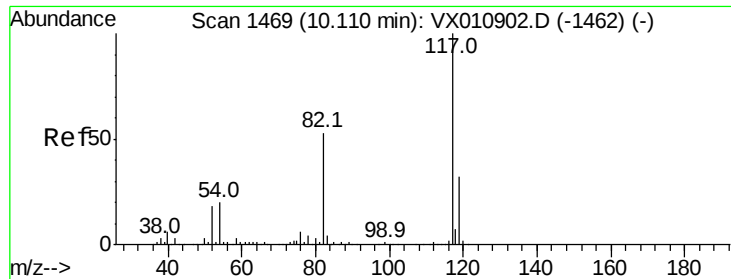
Tot Ion: 98 Resp: 386790  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.6 75.8



#62  
4-Bromofluorobenzene  
Concen: 48.265 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX011080.D  
Acq: 26 Jul 2019 10:53

Tgt Ion: 95 Resp: 136641  
Ion Ratio Lower Upper  
95 100  
174 90.0 0.0 180.6  
176 87.3 0.0 173.8

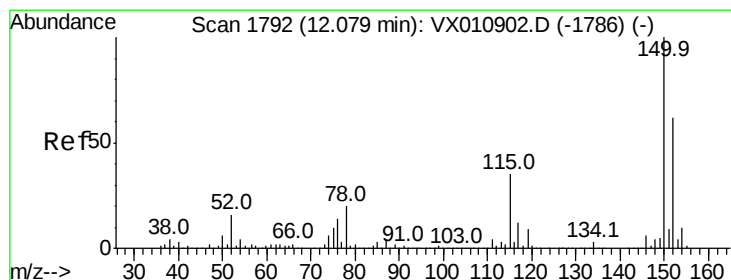
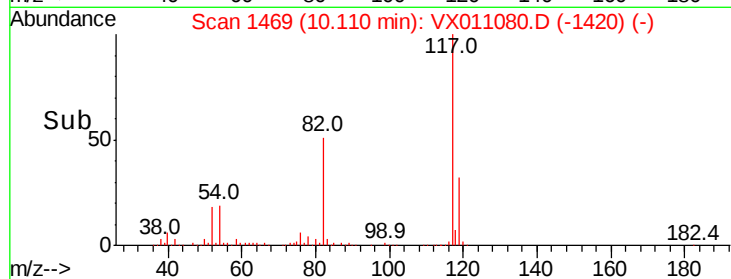
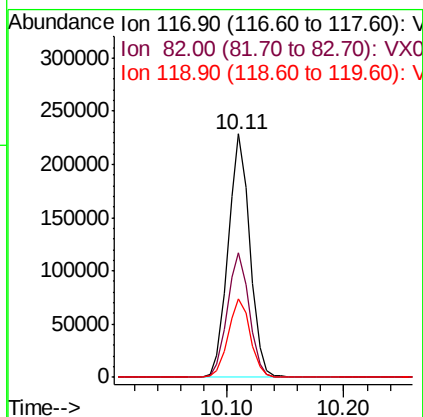
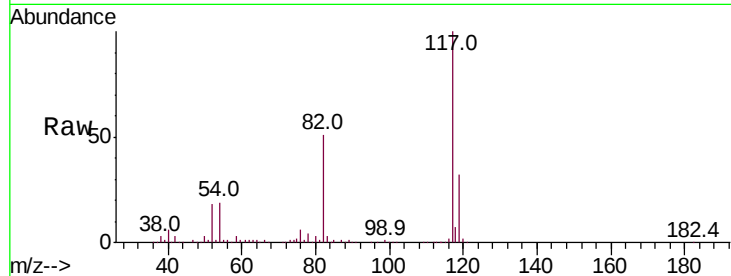




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX011080.D  
Acq: 26 Jul 2019 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0726WBL01

Tot Ion:117 Resp: 296114  
Ion Ratio Lower Upper  
117 100  
82 51.4 42.6 63.8  
119 32.0 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX011080.D  
Acq: 26 Jul 2019 10:53

Tgt Ion:152 Resp: 138656  
Ion Ratio Lower Upper  
152 100  
115 55.4 39.7 119.1  
150 155.8 0.0 345.6

