

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\  
 Data File : VX016522.D  
 Acq On : 01 Jun 2020 12:42  
 Operator : JC/SP  
 Sample : L2801-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z5-TB2-200527

Quant Time: Jun 02 02:06:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 292273   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 470920   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 479350   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 246843   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 169235   | 46.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.26%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 134939   | 46.54 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.08%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 598466   | 53.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.06% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 242302   | 55.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.12% |          |

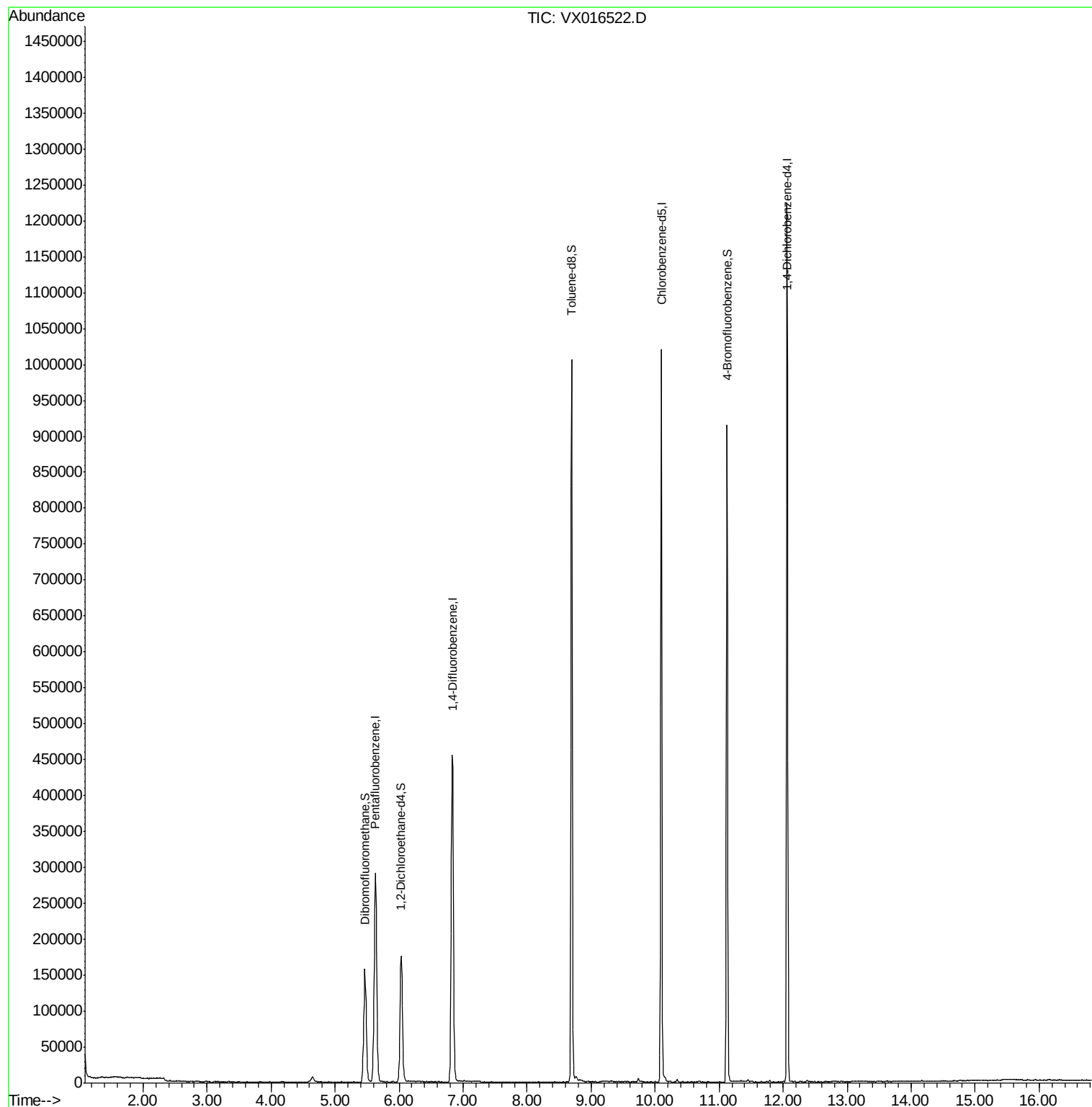
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

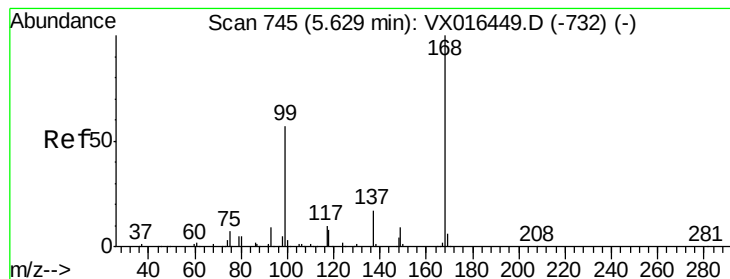
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 02 02:06:45 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 16:31:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016522.D

Acq: 01 Jun 2020 12:42

Instrument :

MSVOA\_X

ClientSampleId :

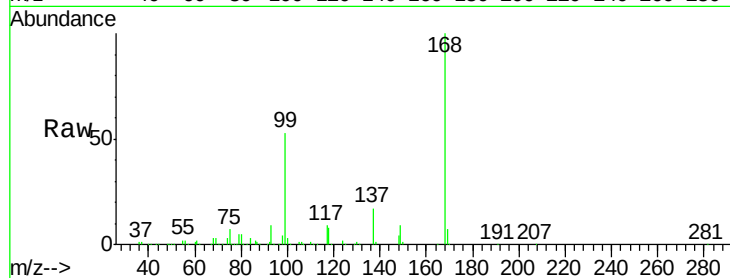
Z5-TB2-200527

Tot Ion:168 Resp: 292273

Ion Ratio Lower Upper

168 100

99 53.0 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

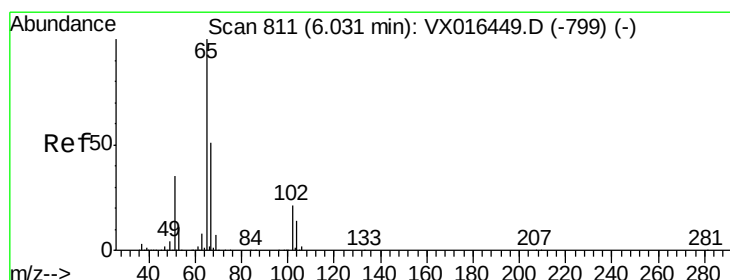
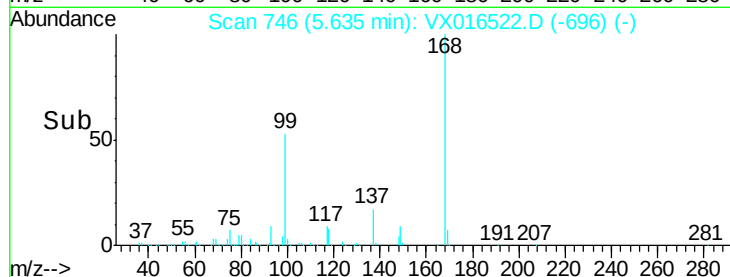
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.626 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016522.D

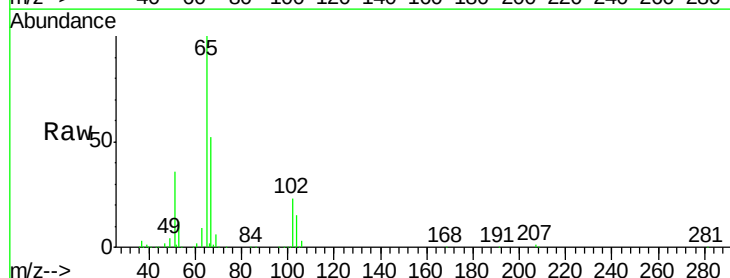
Acq: 01 Jun 2020 12:42

Tgt Ion: 65 Resp: 169235

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

60000

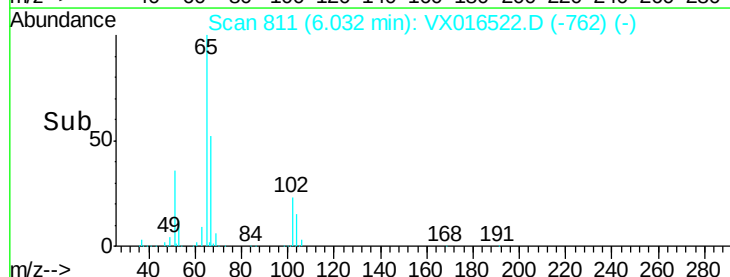
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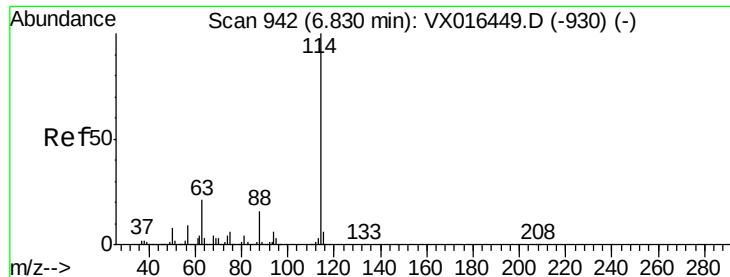
20000

0

Time-->

5.90 6.00 6.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016522.D

Acq: 01 Jun 2020 12:42

Instrument :

MSVOA\_X

ClientSampleId :

Z5-TB2-200527

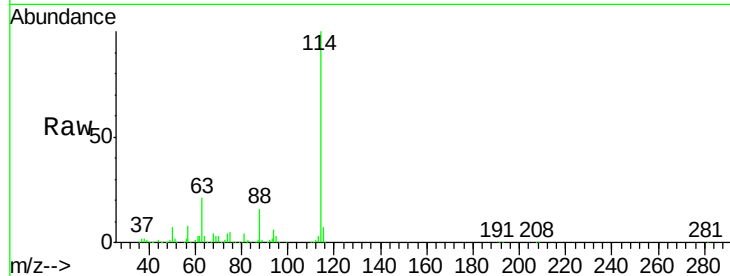
Tot Ion:114 Resp: 470920

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

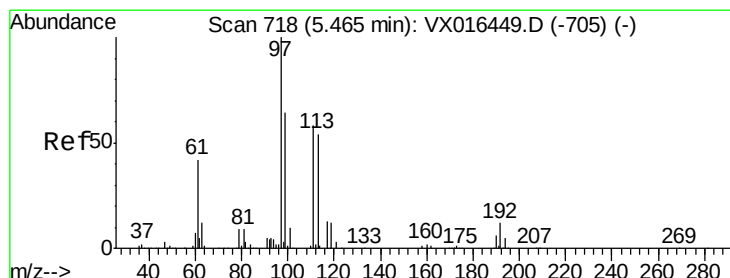
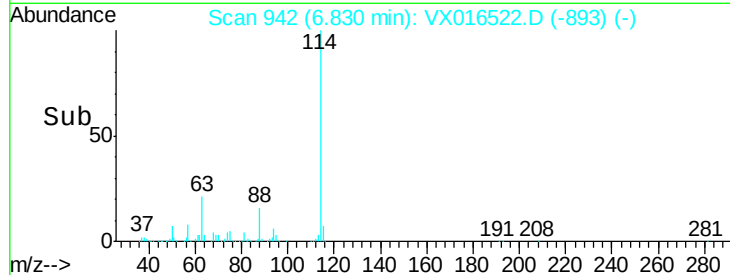
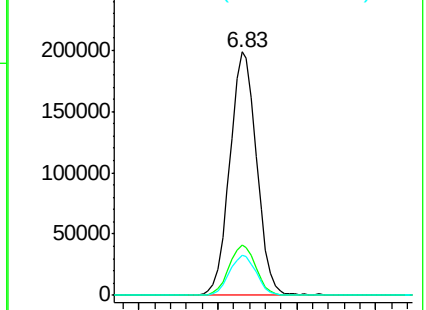
88 16.4 0.0 32.8



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: 46.536 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016522.D

Acq: 01 Jun 2020 12:42

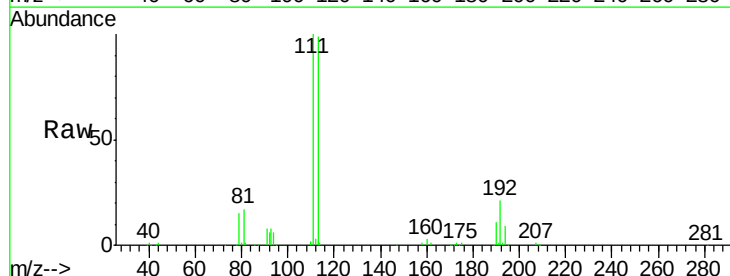
Tgt Ion:113 Resp: 134939

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

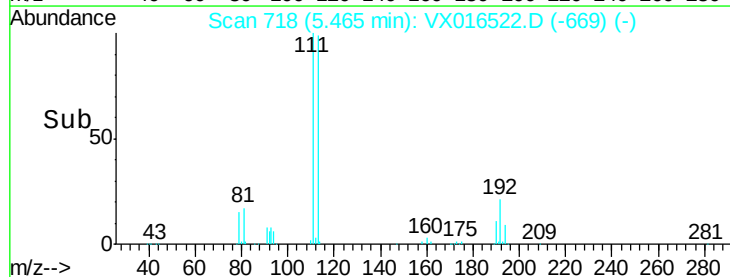
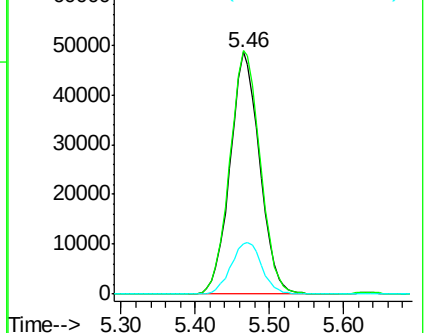
192 22.2 17.7 26.5

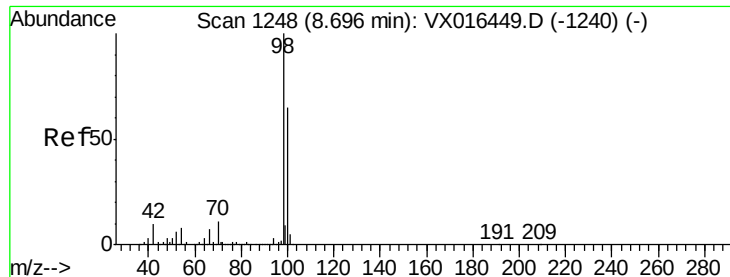


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

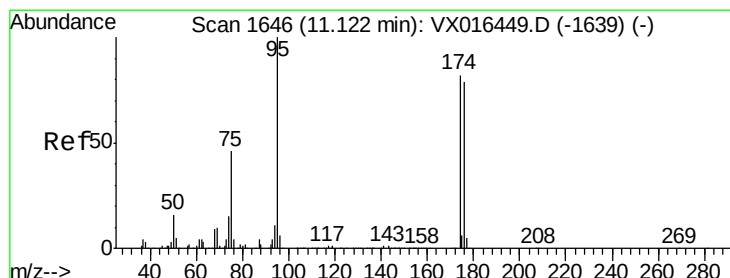
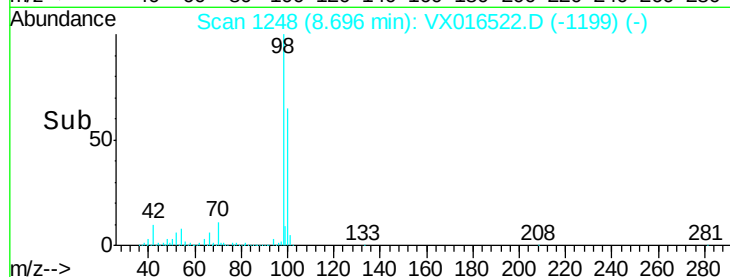
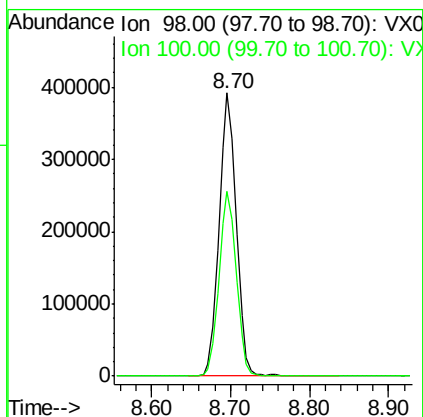
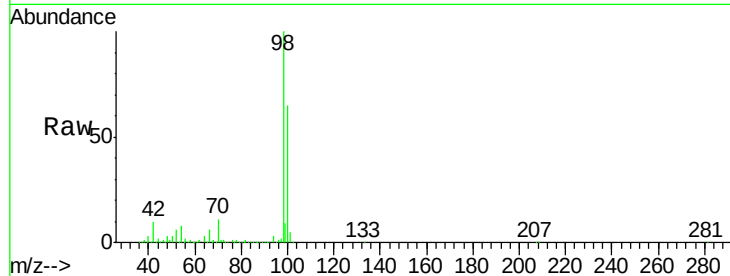




#50  
Toluene-d8  
Concen: 53.027 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX016522.D  
Acq: 01 Jun 2020 12:42

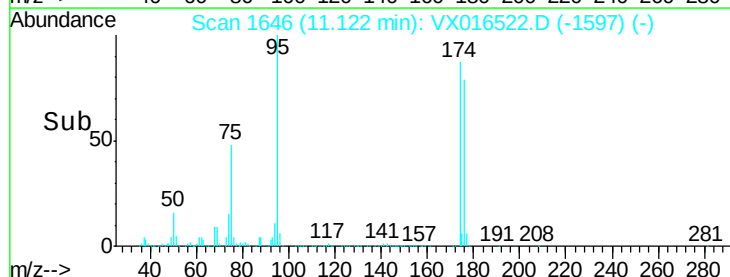
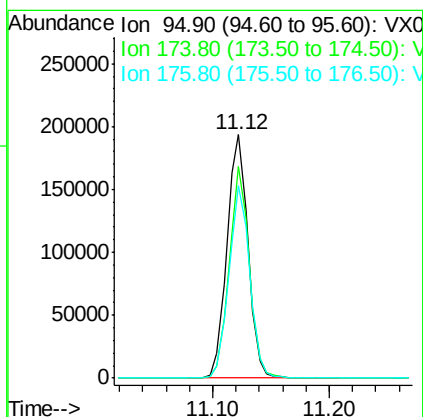
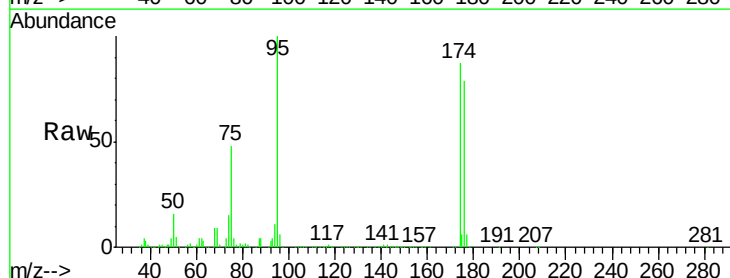
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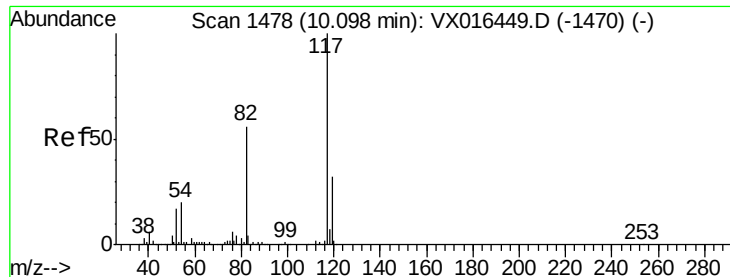
Tot Ion: 98 Resp: 598466  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.8 80.6



#62  
4-Bromofluorobenzene  
Concen: 55.562 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX016522.D  
Acq: 01 Jun 2020 12:42

Tgt Ion: 95 Resp: 242302  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 163.0  
176 78.3 0.0 156.8

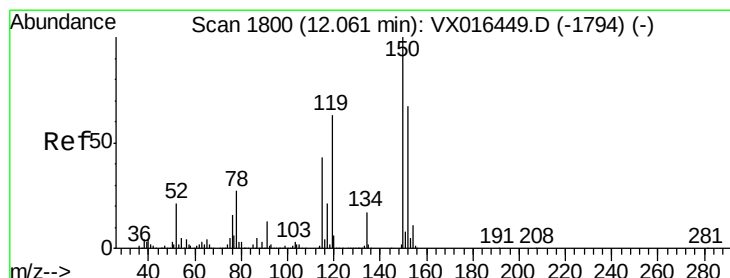
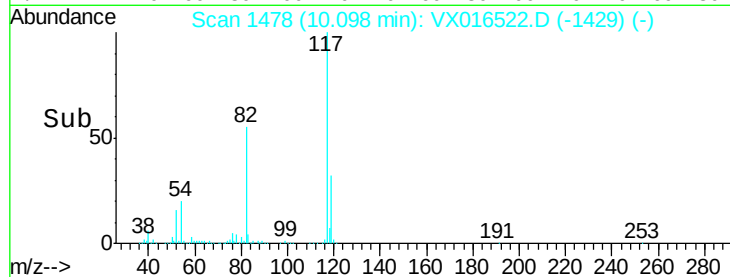
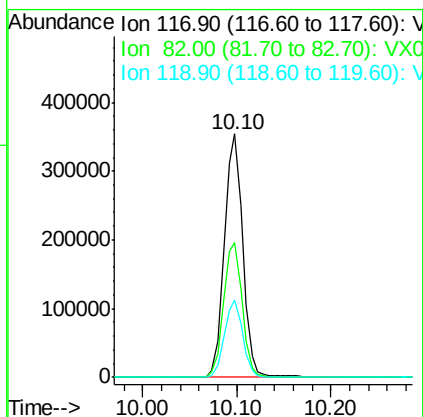
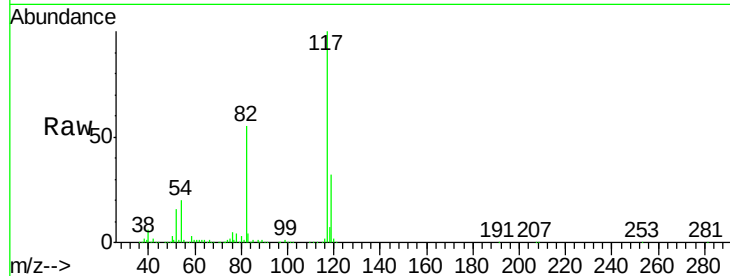




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016522.D  
Acq: 01 Jun 2020 12:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z5-TB2-200527

Tot Ion:117 Resp: 479350  
Ion Ratio Lower Upper  
117 100  
82 55.5 45.0 67.6  
119 31.8 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX016522.D  
Acq: 01 Jun 2020 12:42

Tgt Ion:152 Resp: 246843  
Ion Ratio Lower Upper  
152 100  
115 58.7 39.9 119.6  
150 156.7 0.0 341.0

