

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\  
 Data File : VX017122.D  
 Acq On : 02 Jul 2020 01:06  
 Operator : JC/SP  
 Sample : L3159-09 100X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31S-20200629

Quant Time: Jul 02 04:19:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 215730   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 363846   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 374919   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 196652   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 142700   | 53.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.32% |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 121216   | 52.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.34% |      |
| 50) Toluene-d8              | 8.70   | 98  | 446812   | 52.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.00% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 185540   | 55.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.54% |      |

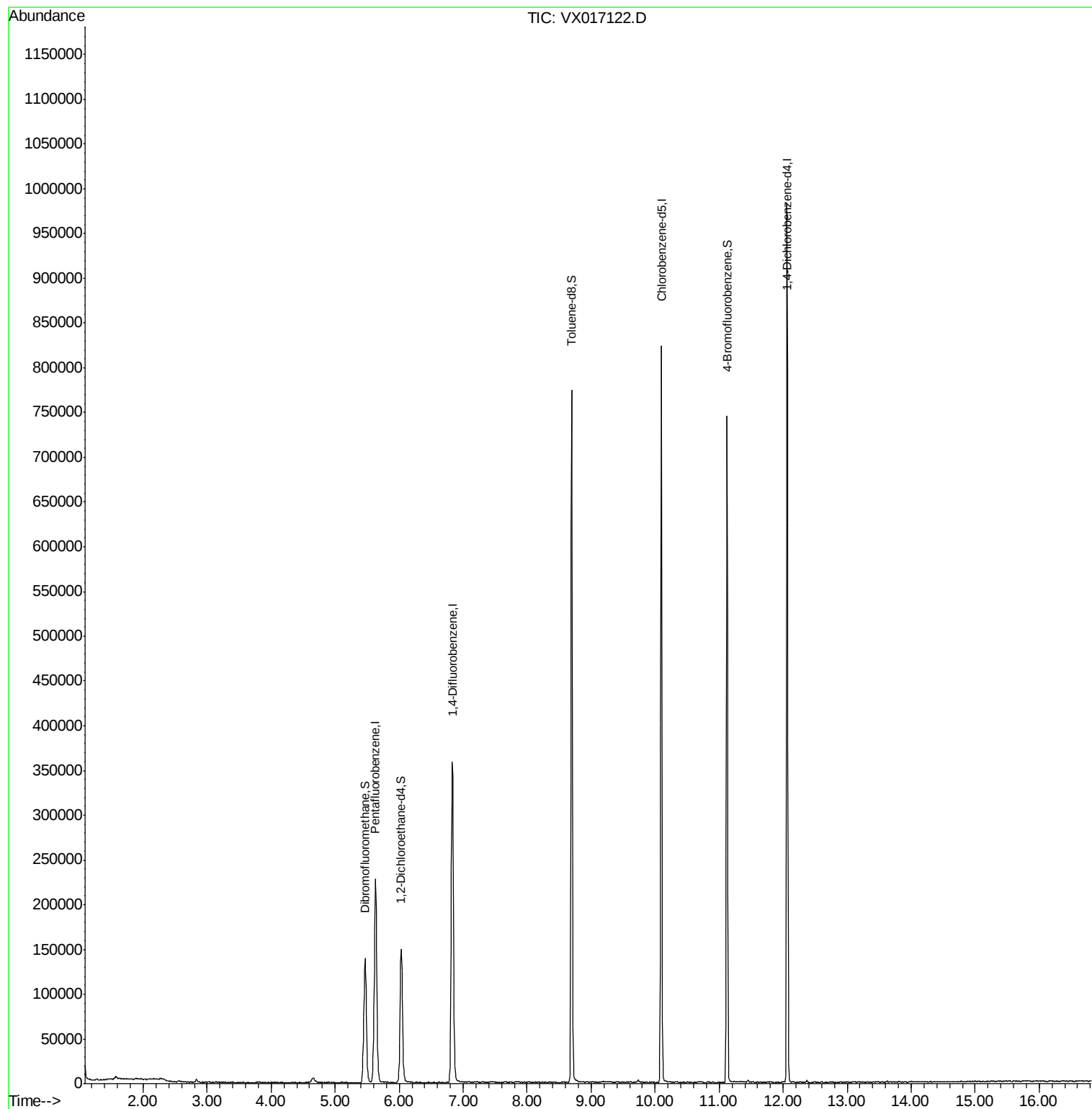
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

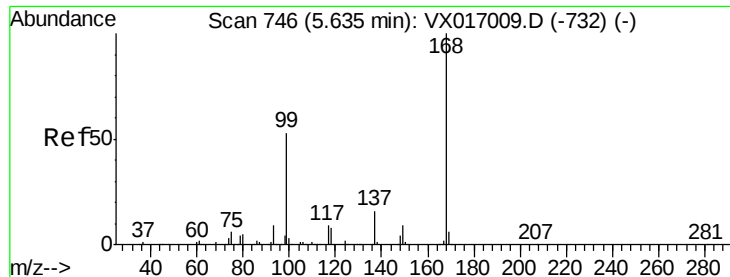
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017122.D

Acq: 02 Jul 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

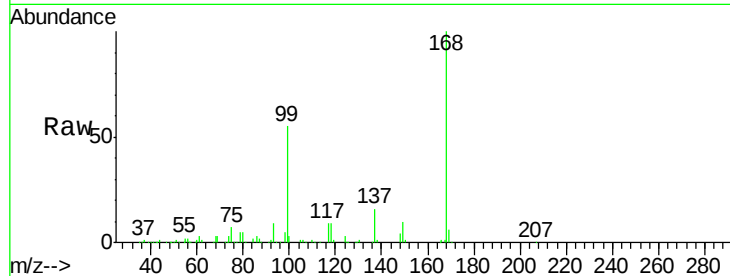
31S-20200629

Tot Ion:168 Resp: 215730

Ion Ratio Lower Upper

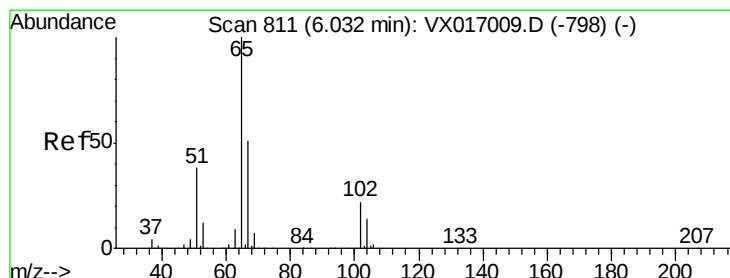
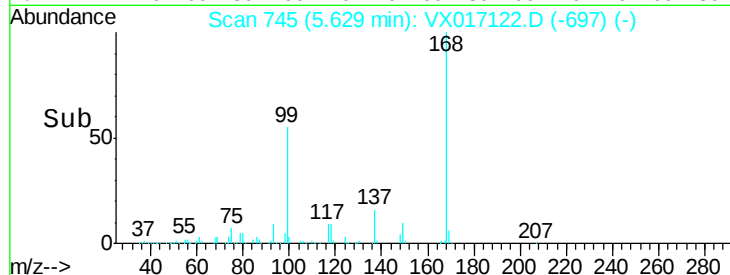
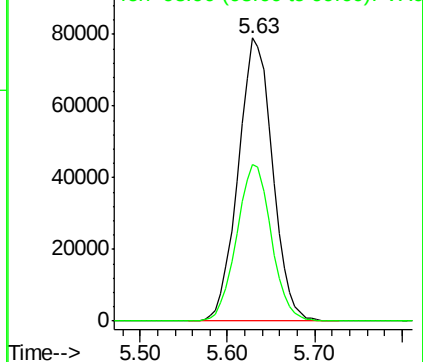
168 100

99 55.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.656 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017122.D

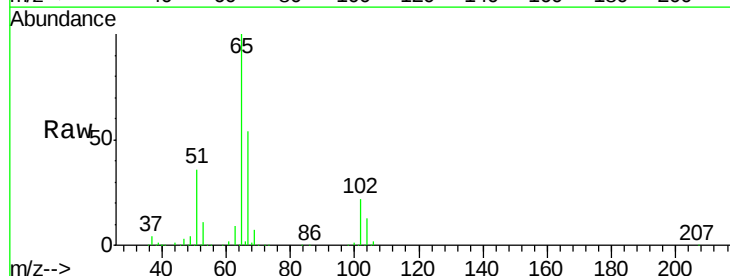
Acq: 02 Jul 2020 01:06

Tgt Ion: 65 Resp: 142700

Ion Ratio Lower Upper

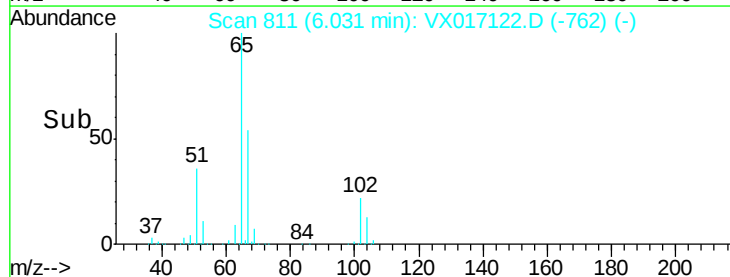
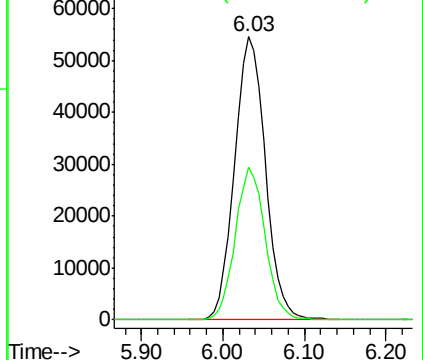
65 100

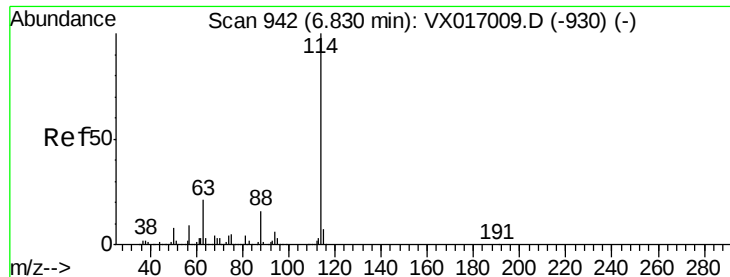
67 52.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017122.D

Acq: 02 Jul 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

31S-20200629

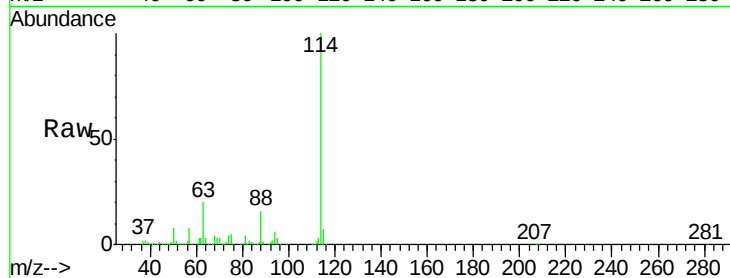
Tot Ion:114 Resp: 363846

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

88 15.9 0.0 32.4



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

200000

150000

100000

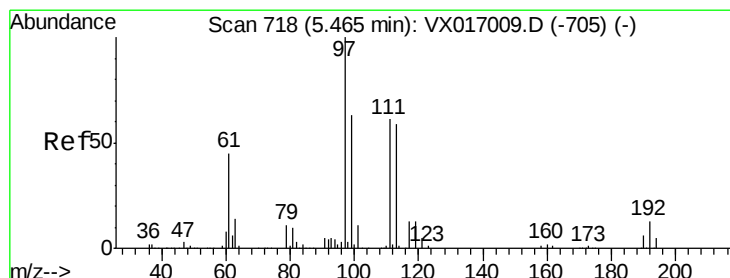
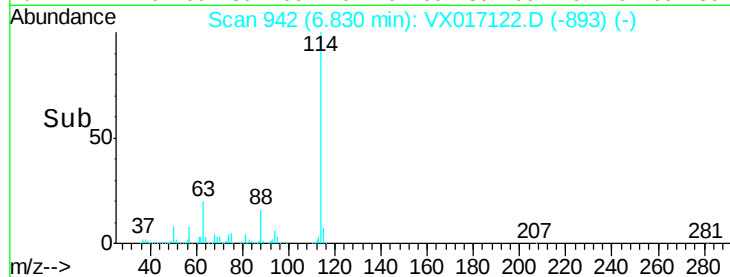
50000

0

6.83

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 52.666 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017122.D

Acq: 02 Jul 2020 01:06

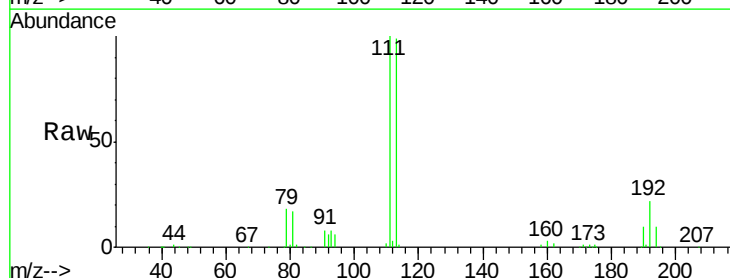
Tgt Ion:113 Resp: 121216

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 20.9 16.7 25.1



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

60000

50000

40000

30000

20000

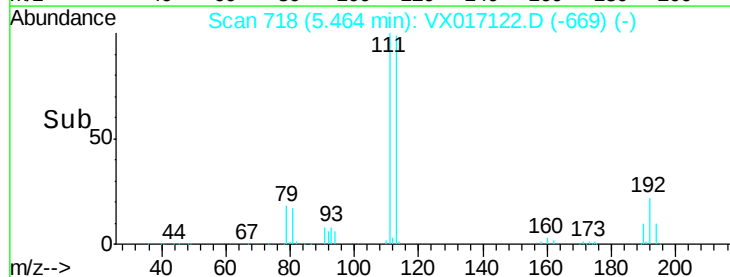
10000

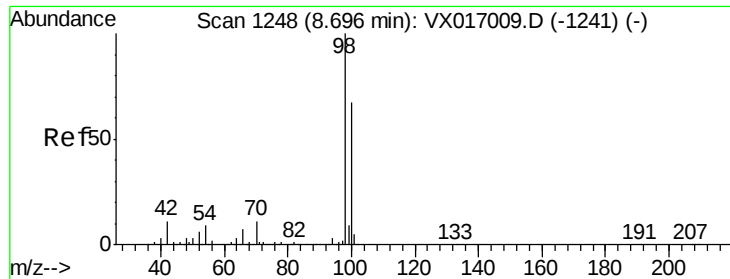
0

5.46

5.40 5.50 5.60

Time-->





#50

Toluene-d8

Concen: 52.500 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017122.D

Acq: 02 Jul 2020 01:06

Instrument :

MSVOA\_X

ClientSampleId :

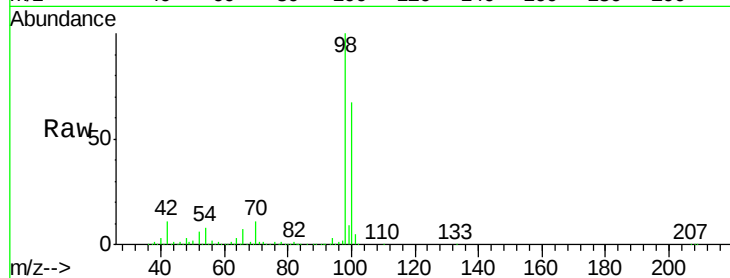
31S-20200629

Tot Ion: 98 Resp: 446812

Ion Ratio Lower Upper

98 100

100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

300000

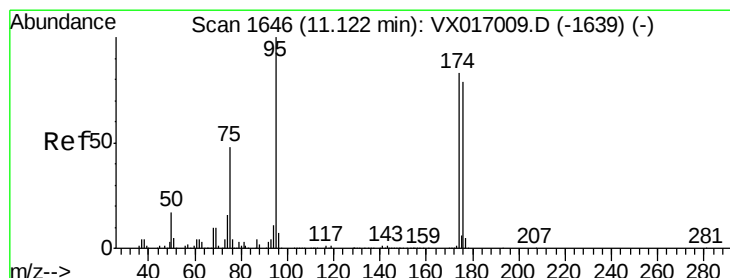
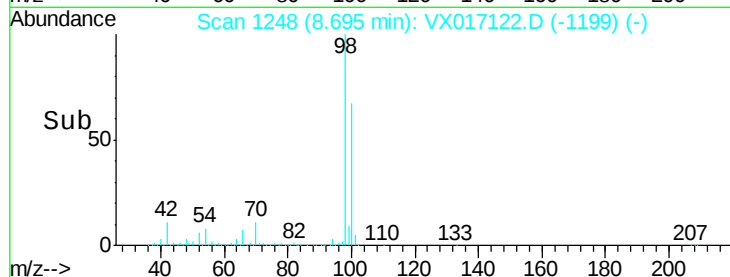
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 55.769 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017122.D

Acq: 02 Jul 2020 01:06

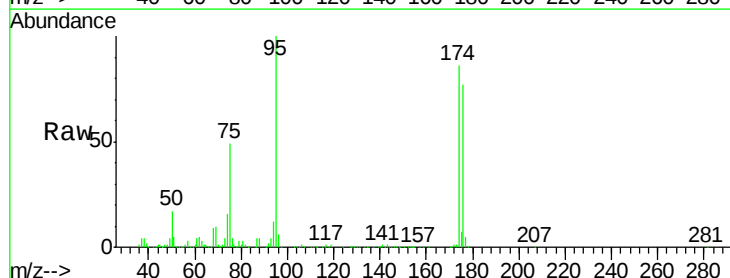
Tgt Ion: 95 Resp: 185540

Ion Ratio Lower Upper

95 100

174 82.9 0.0 164.0

176 78.4 0.0 157.6



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

200000

150000

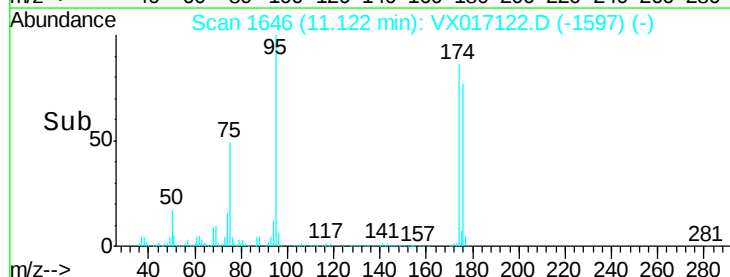
100000

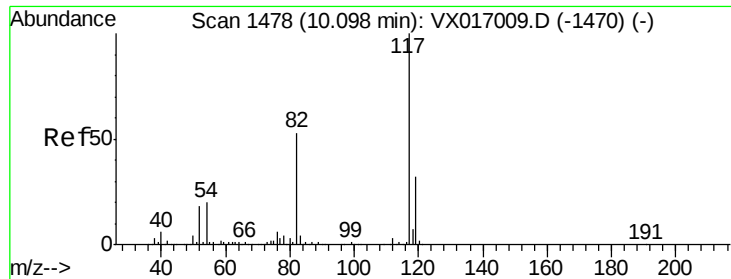
50000

0

Time-->

11.10 11.20

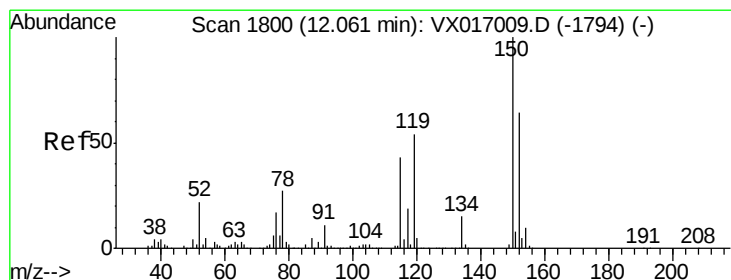
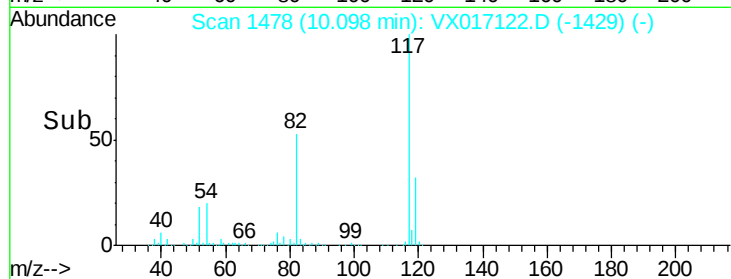
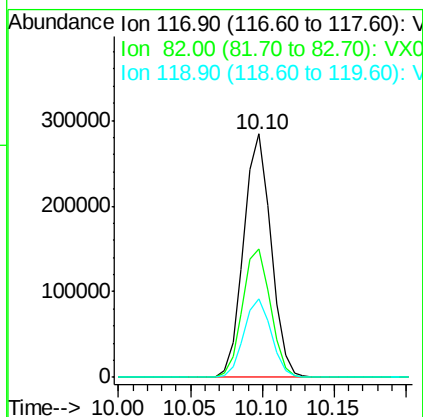
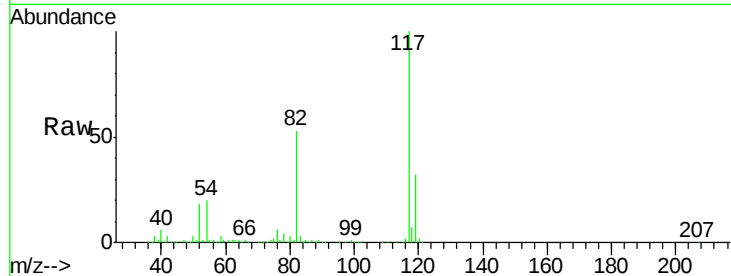




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017122.D  
Acq: 02 Jul 2020 01:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
31S-20200629

Tot Ion:117 Resp: 374919  
Ion Ratio Lower Upper  
117 100  
82 52.7 42.6 63.8  
119 32.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017122.D  
Acq: 02 Jul 2020 01:06

Tgt Ion:152 Resp: 196652  
Ion Ratio Lower Upper  
152 100  
115 56.5 40.9 122.7  
150 155.8 0.0 351.6

