

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\  
 Data File : VX016274.D  
 Acq On : 15 May 2020 12:46  
 Operator : JC/SP  
 Sample : L2669-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-4

Quant Time: May 16 07:32:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 06:43:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 254654   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 422011   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 412345   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 204791   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 156089   | 46.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.16%  |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 123806   | 46.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.62%  |      |
| 50) Toluene-d8              | 8.70   | 98  | 518570   | 50.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.68% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 205491   | 52.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.88% |      |

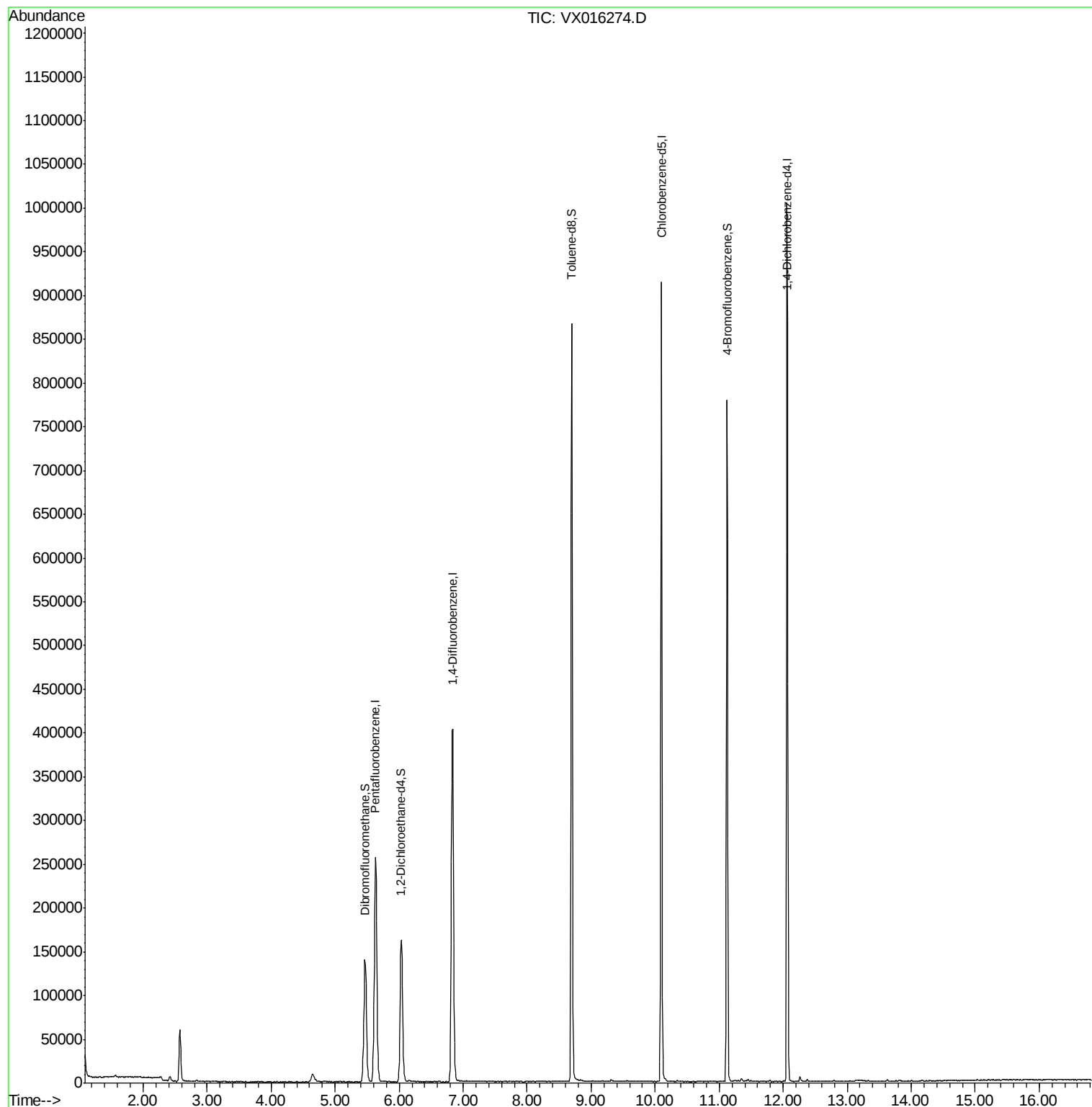
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

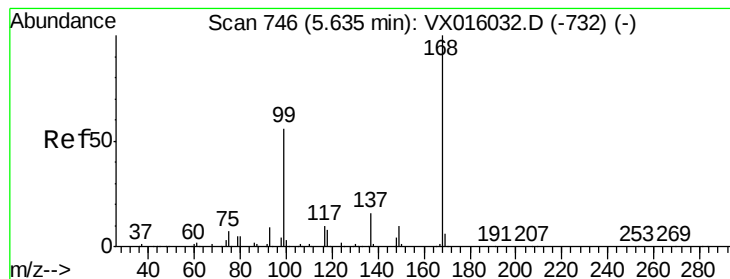
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed May 06 06:43:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA\_X

ClientSampleId :

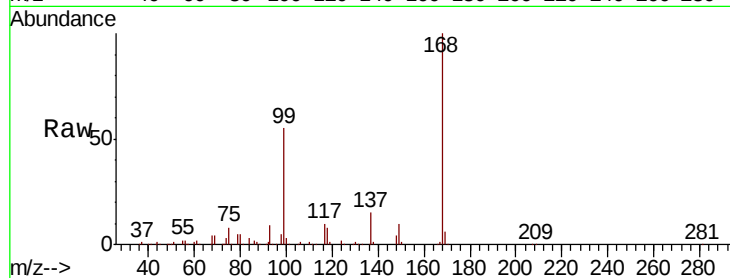
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 254654

Ion Ratio Lower Upper

168 100

99 54.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

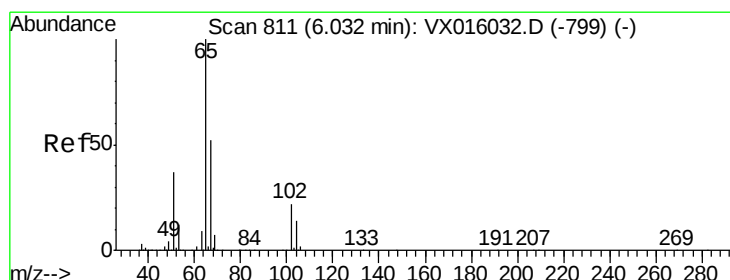
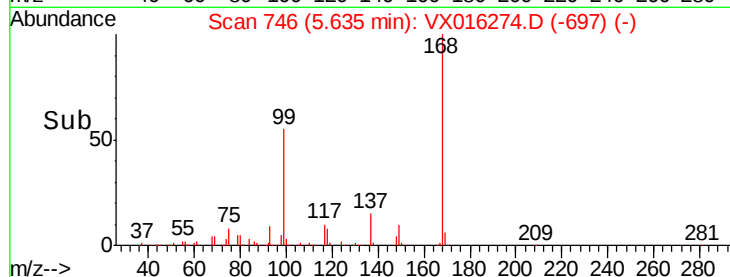
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.580 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016274.D

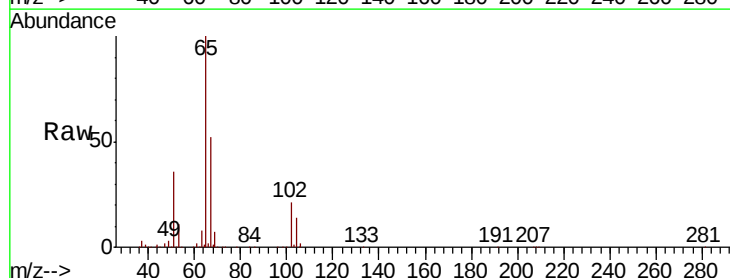
Acq: 15 May 2020 12:46

Tgt Ion: 65 Resp: 156089

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

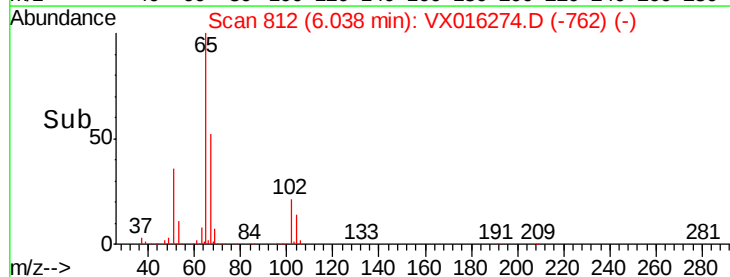
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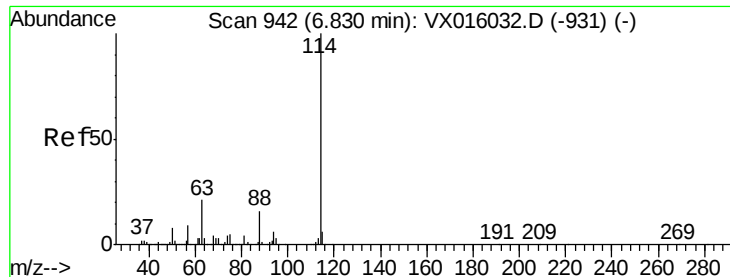
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

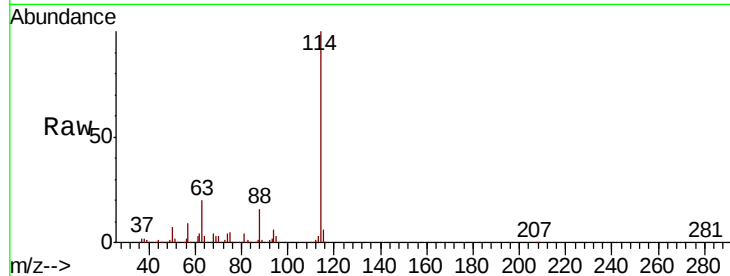
Tot Ion:114 Resp: 422011

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

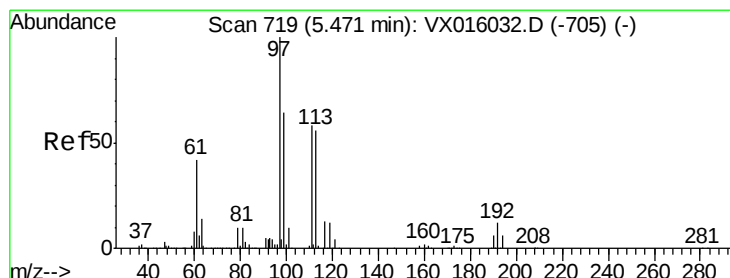
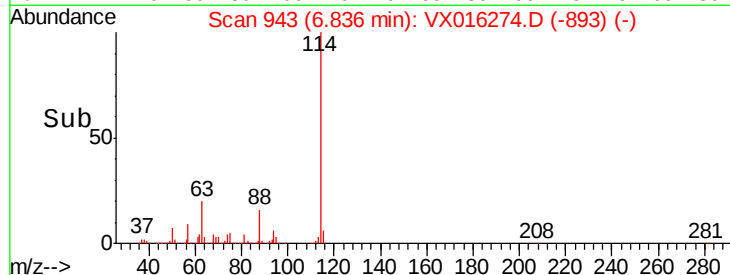
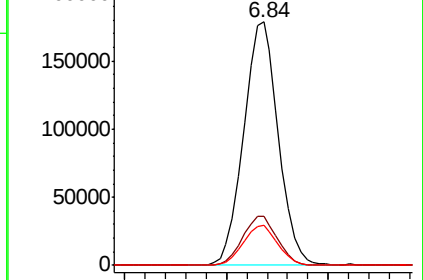
88 16.2 0.0 31.4



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: 46.306 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

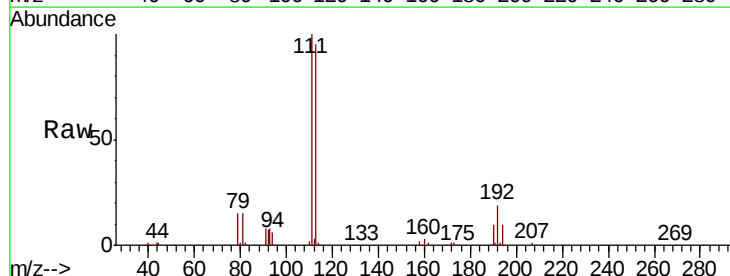
Tgt Ion:113 Resp: 123806

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

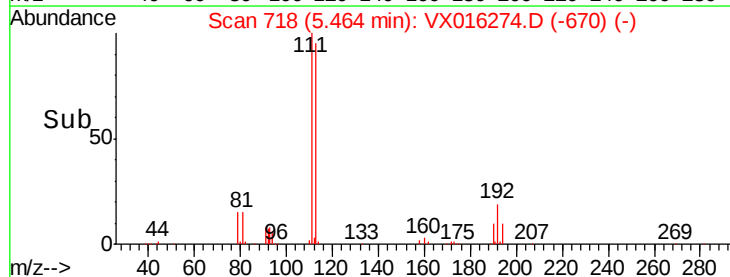
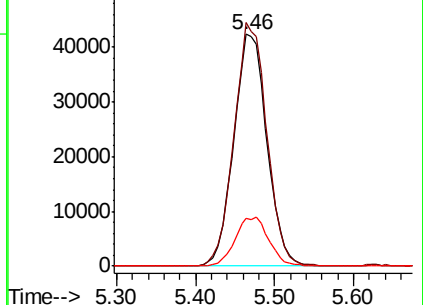
192 21.4 17.0 25.4

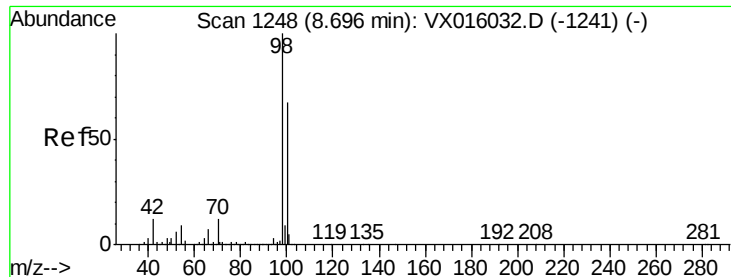


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.339 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA\_X

ClientSampleId :

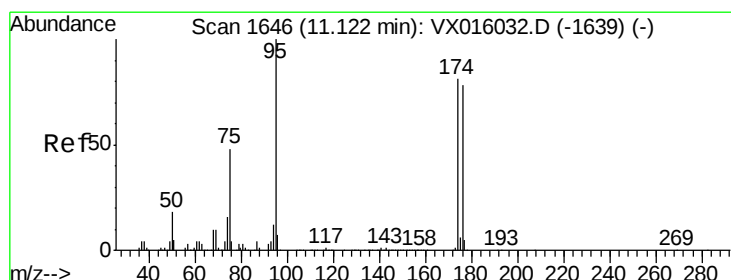
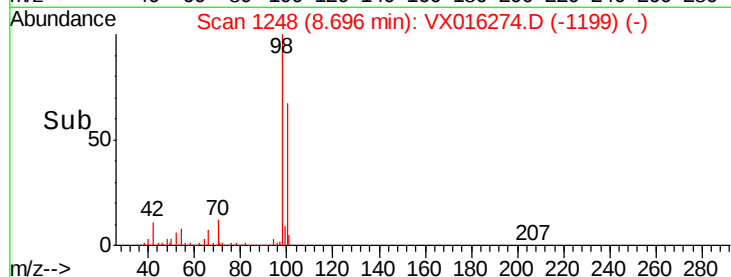
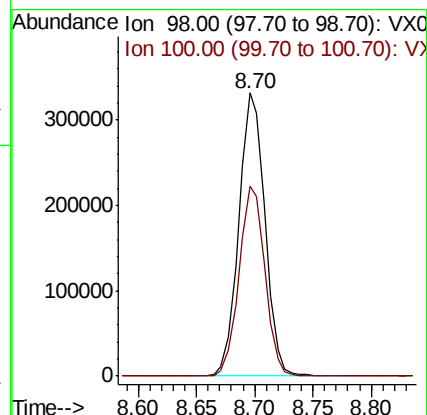
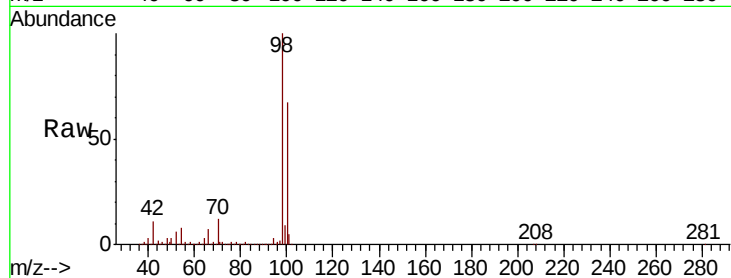
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 98 Resp: 518570

Ion Ratio Lower Upper

98 100

100 66.9 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.445 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

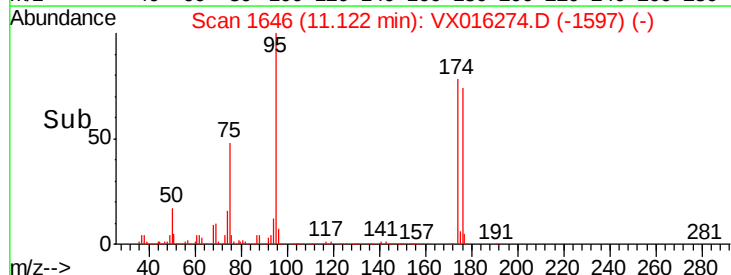
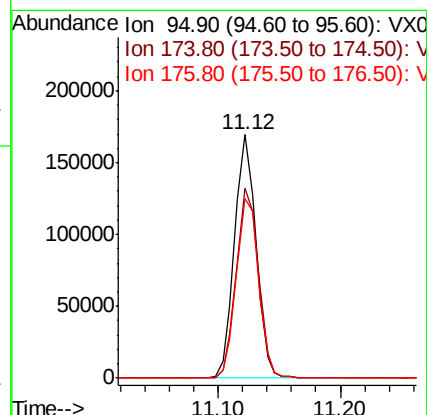
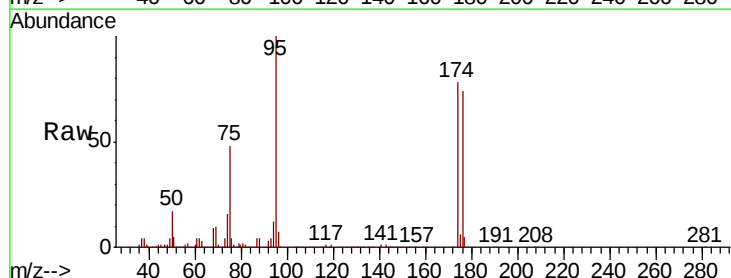
Tgt Ion: 95 Resp: 205491

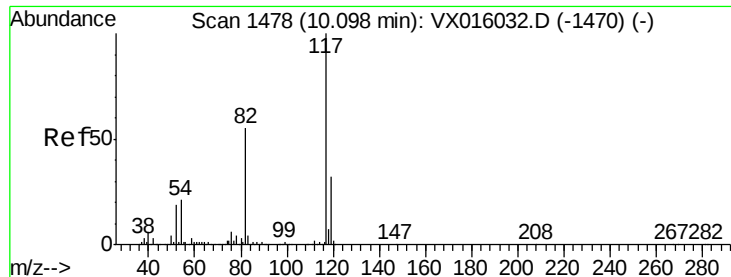
Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.4

176 76.7 0.0 157.6

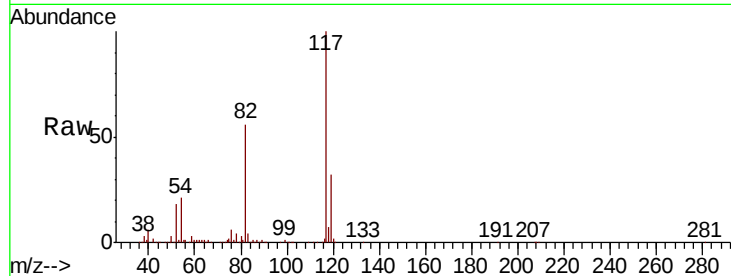




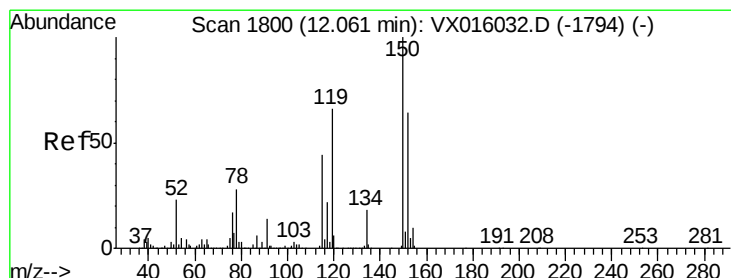
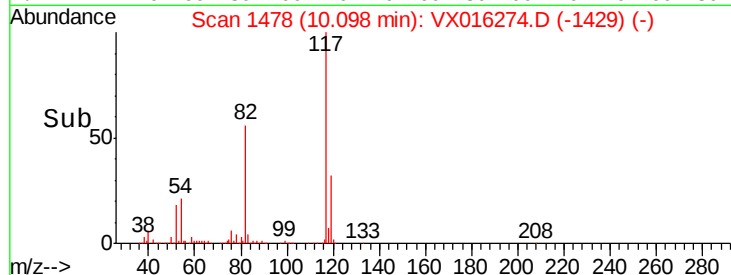
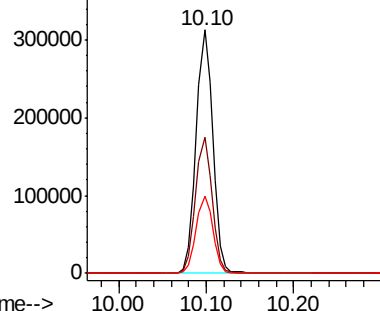
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016274.D  
Acq: 15 May 2020 12:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-4

Tot Ion:117 Resp: 412345  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.4 66.6  
119 31.9 25.5 38.3

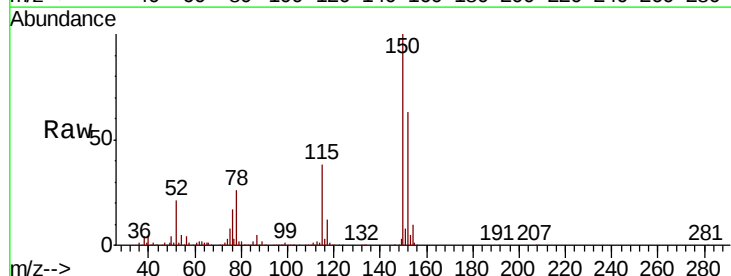


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX016274.D  
Acq: 15 May 2020 12:46

Tgt Ion:152 Resp: 204791  
Ion Ratio Lower Upper  
152 100  
115 59.1 41.3 124.1  
150 154.7 0.0 352.2



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

