

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\  
 Data File : VX019148.D  
 Acq On : 27 Oct 2020 19:48  
 Operator : JC/MD  
 Sample : L4504-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 28 02:57:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 13:55:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 317802   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 554026   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 527028   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 269873   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 208150   | 50.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.58% |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 168335   | 48.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.74%  |      |
| 50) Toluene-d8              | 8.70   | 98  | 683010   | 52.06 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.12% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 265775   | 53.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.00% |      |

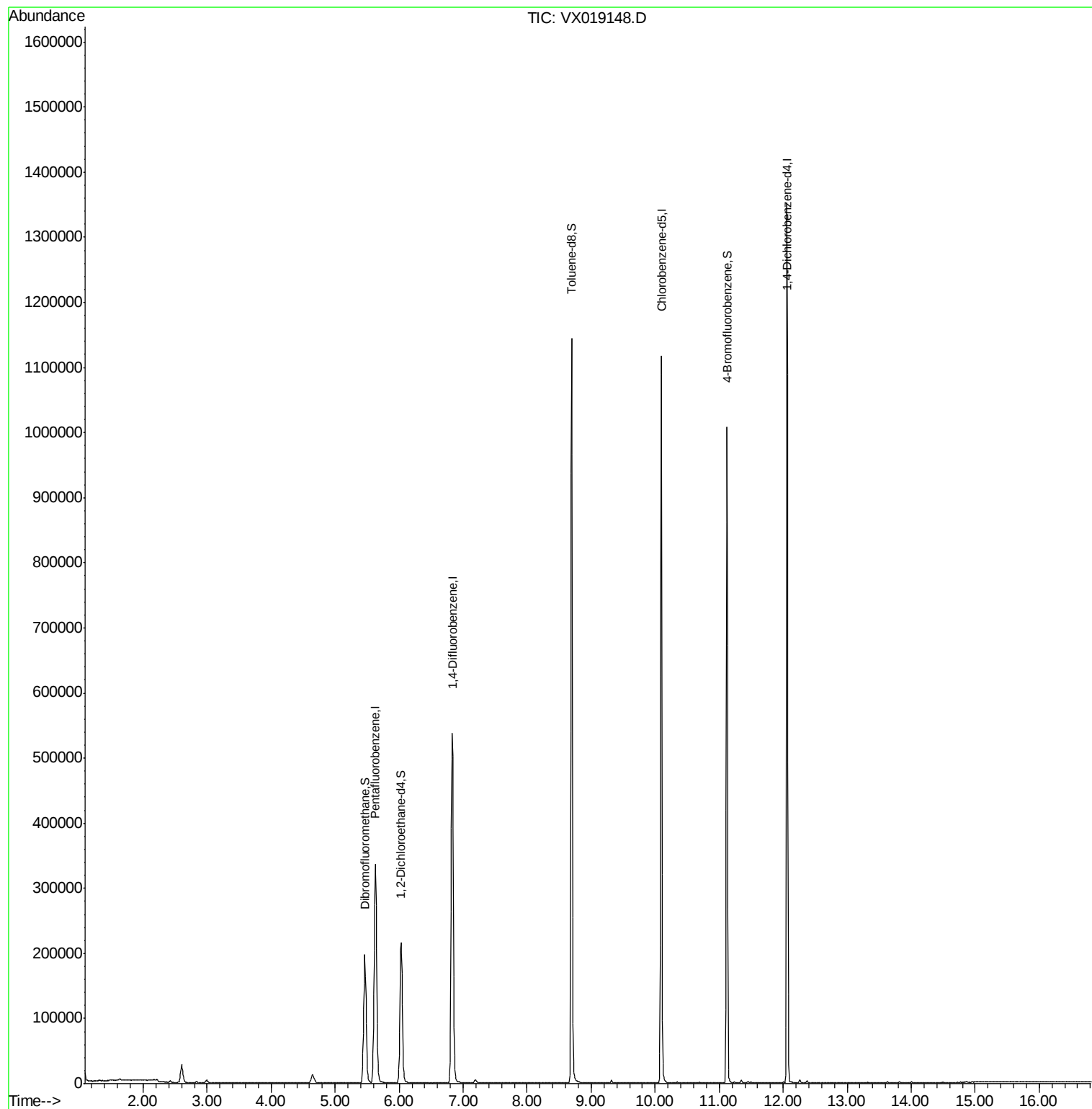
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

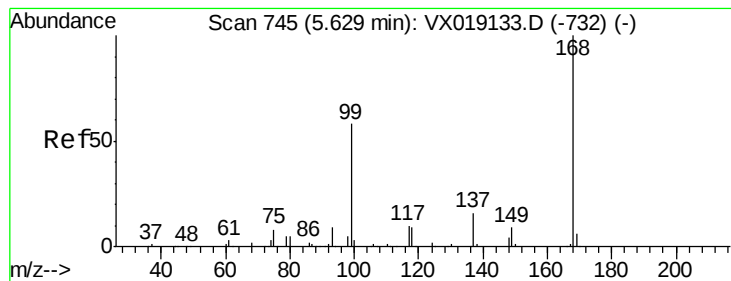
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

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Quant Title : SW846 8260  
QLast Update : Tue Oct 27 13:55:07 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: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

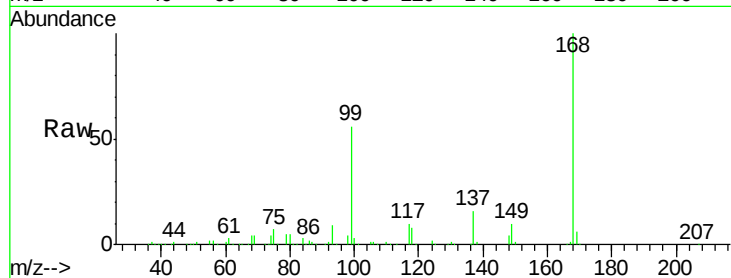
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 317802

Ion Ratio Lower Upper

168 100

99 56.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

60000

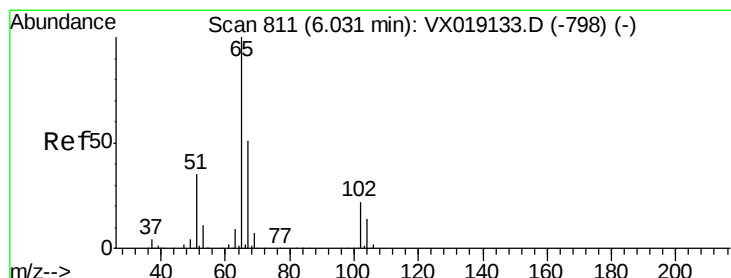
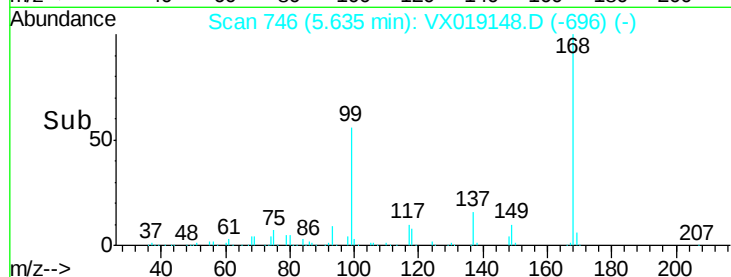
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.788 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019148.D

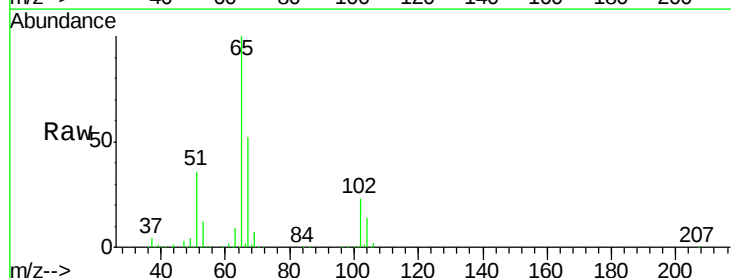
Acq: 27 Oct 2020 19:48

Tgt Ion: 65 Resp: 208150

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

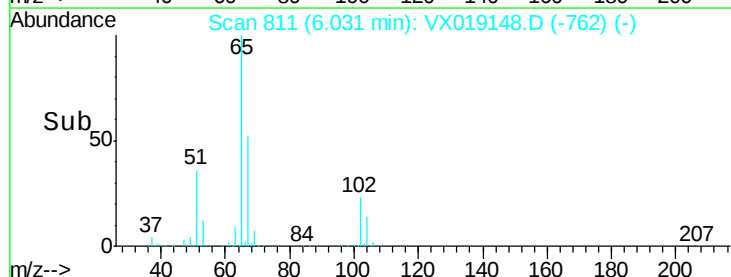
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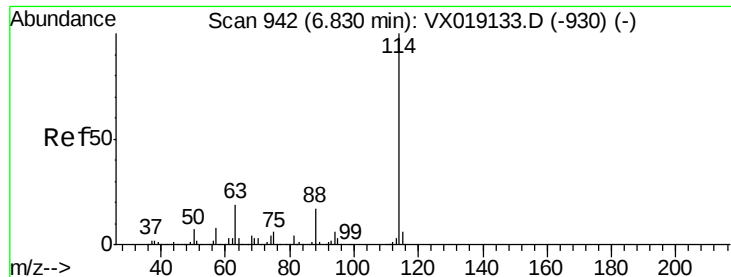
20000

0

Time-->

5.90 6.00 6.10 6.20 6.30





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

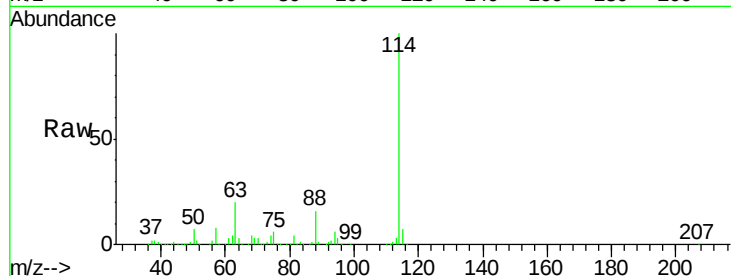
Tot Ion:114 Resp: 554026

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

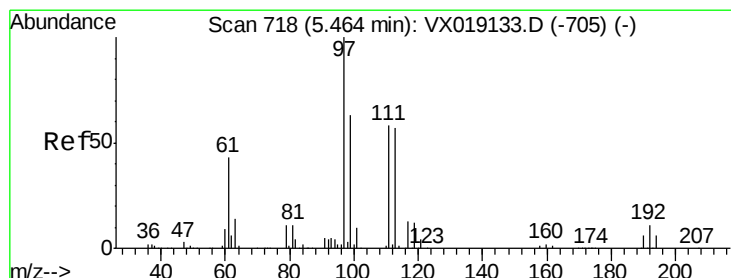
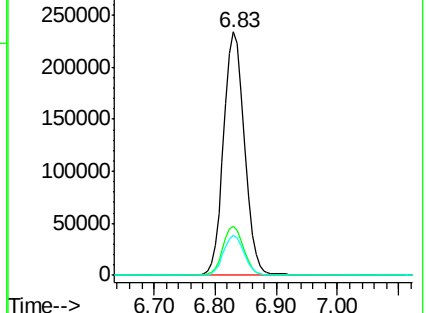
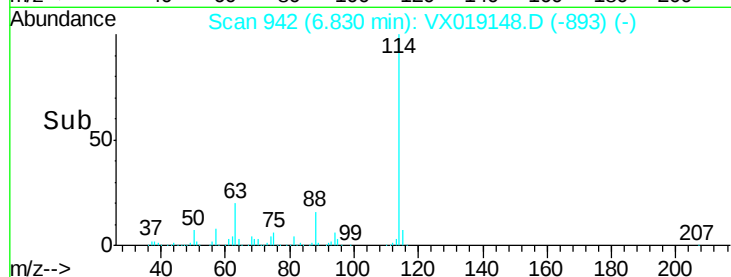
88 16.5 0.0 34.2



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: 48.372 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

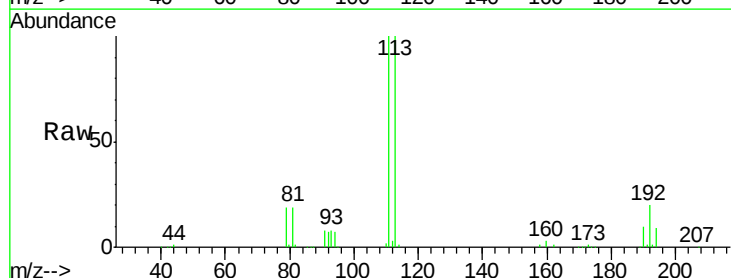
Tgt Ion:113 Resp: 168335

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

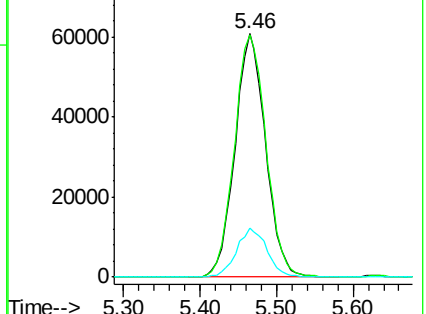
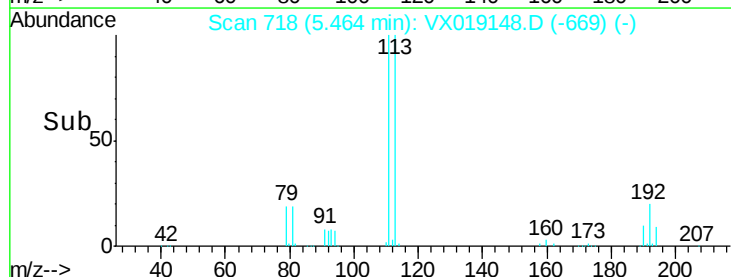
192 20.0 16.2 24.2

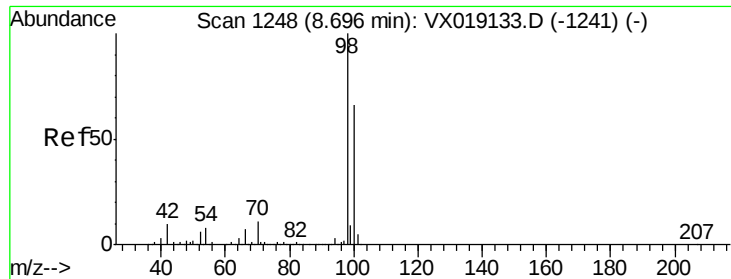


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.064 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

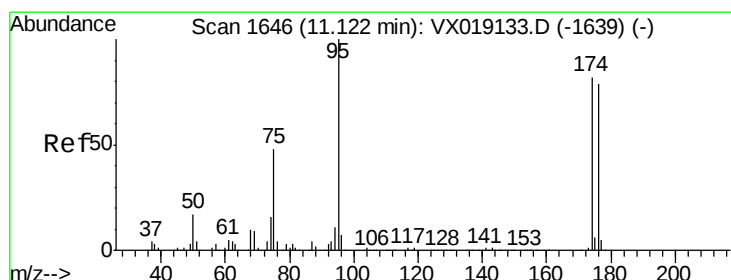
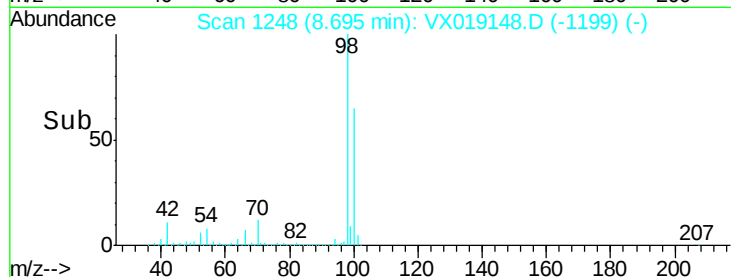
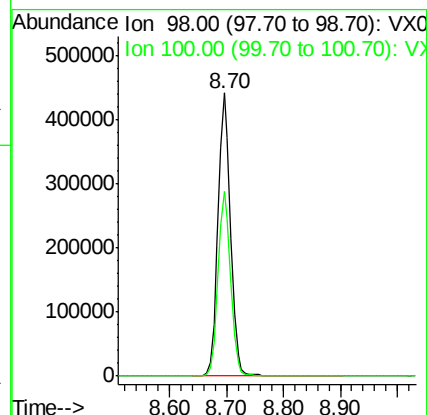
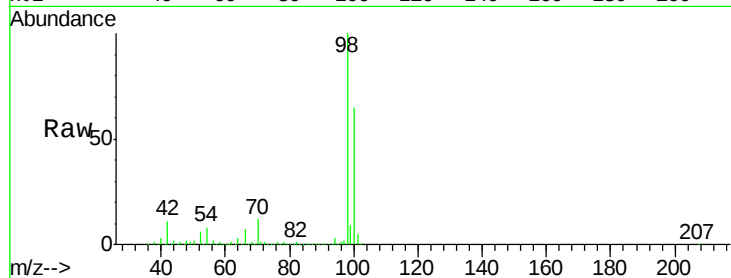
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 683010

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 53.497 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

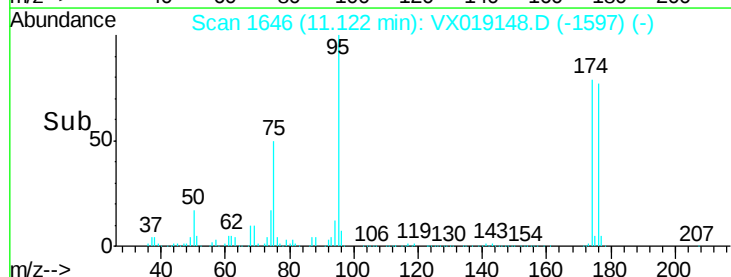
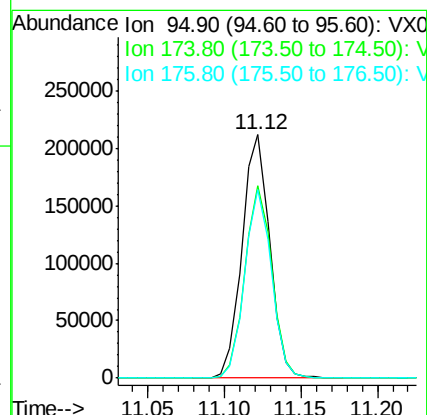
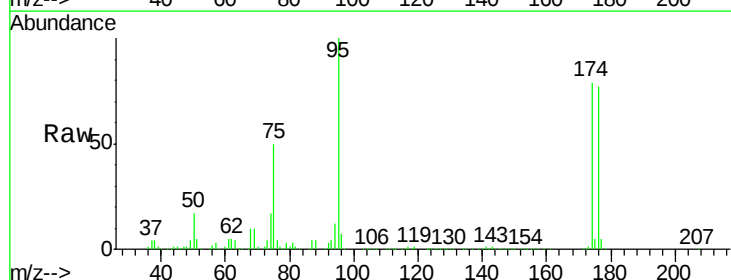
Tgt Ion: 95 Resp: 265775

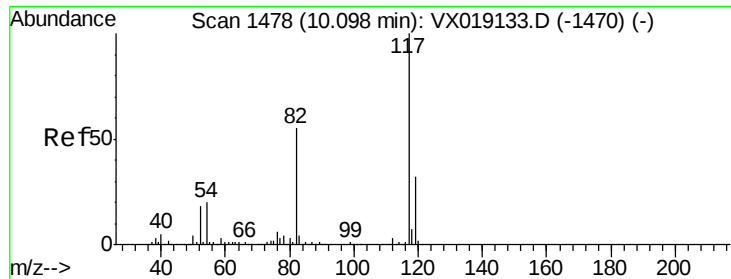
Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.0

176 75.3 0.0 149.8

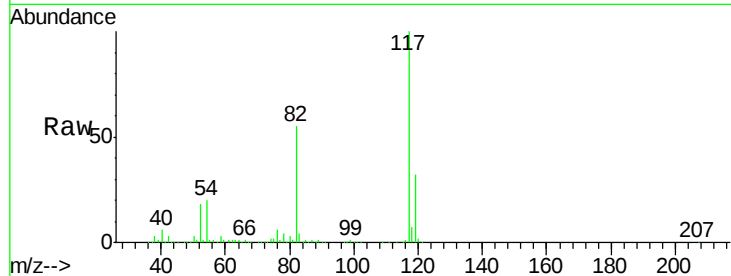




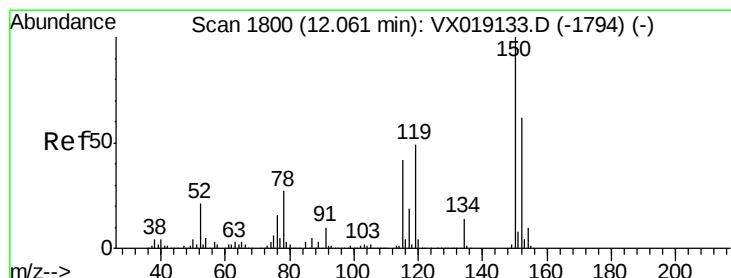
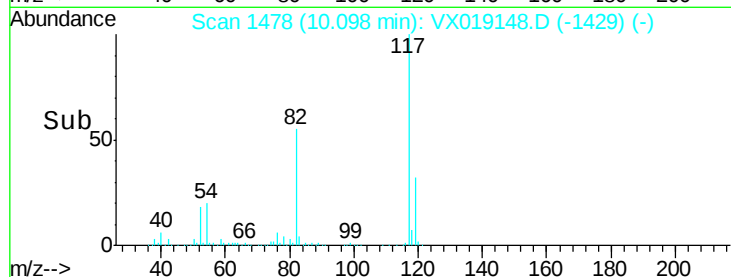
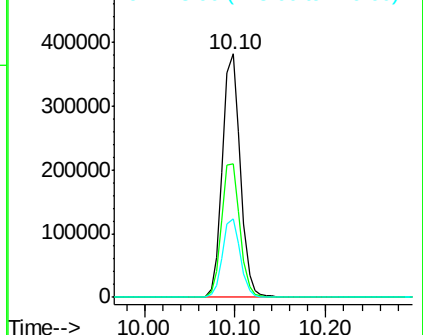
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019148.D  
Acq: 27 Oct 2020 19:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 527028  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.6 65.4  
119 32.1 25.5 38.3

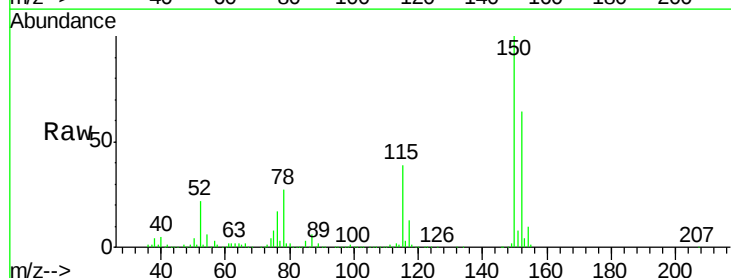


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX019148.D  
Acq: 27 Oct 2020 19:48

Tgt Ion:152 Resp: 269873  
Ion Ratio Lower Upper  
152 100  
115 61.0 41.9 125.7  
150 159.9 0.0 347.8



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

