

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\  
 Data File : VX019335.D  
 Acq On : 06 Nov 2020 12:44  
 Operator : JC/MD  
 Sample : L4662-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB178-TB-20201104

Quant Time: Nov 07 01:50:38 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      | 5.63  | 168  | 295266   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 513507   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 489618   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 247342   | 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   | 203484   | 53.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 106.88% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 159552   | 49.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 98.94%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 629690   | 51.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.58% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 248520   | 53.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 107.94% |          |

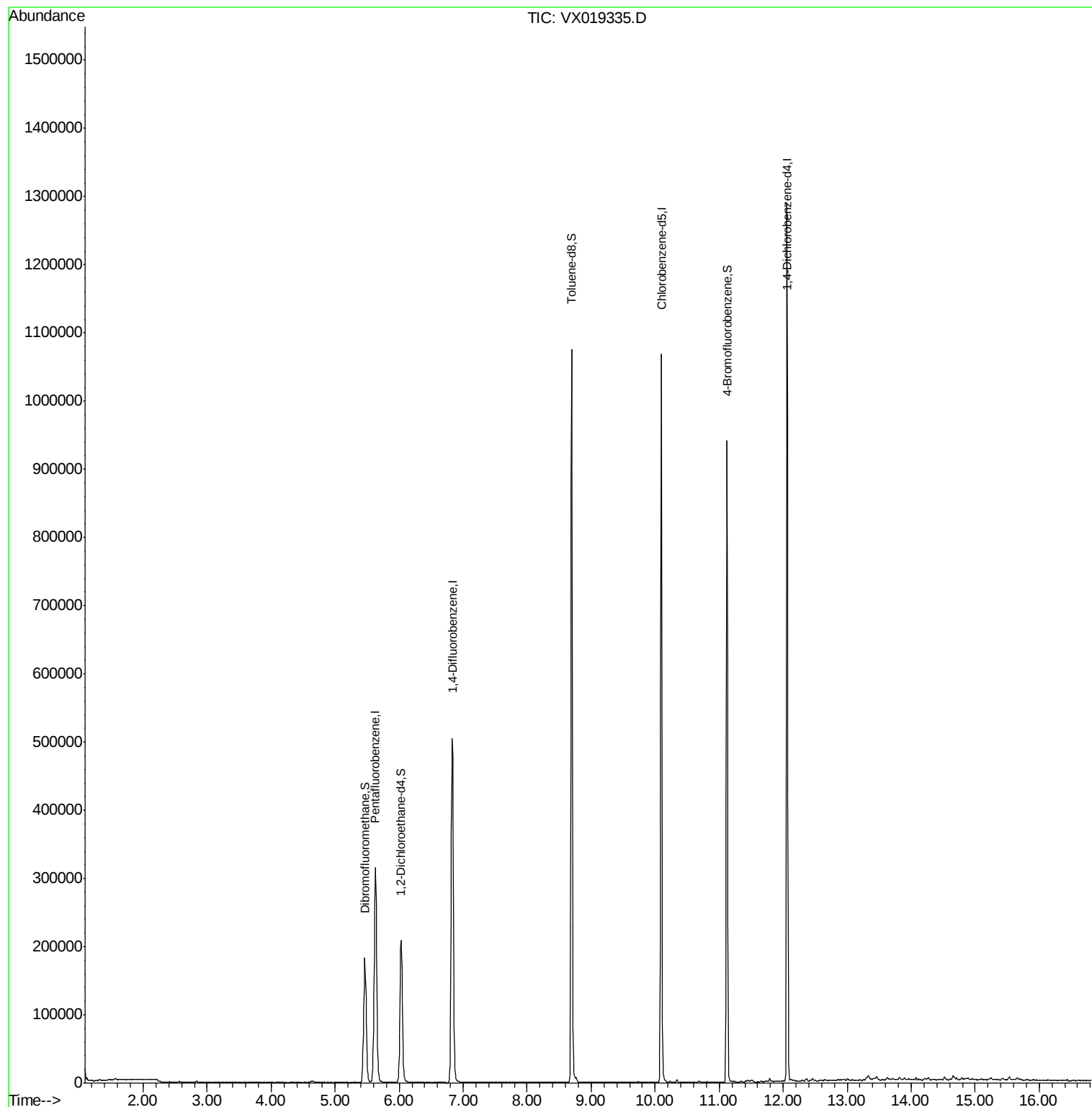
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

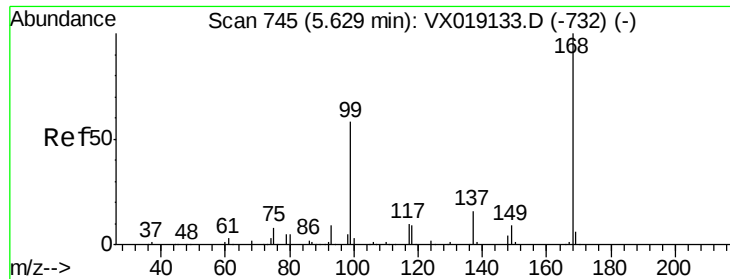
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019335.D

Acq: 06 Nov 2020 12:44

Instrument :

MSVOA\_X

ClientSampleId :

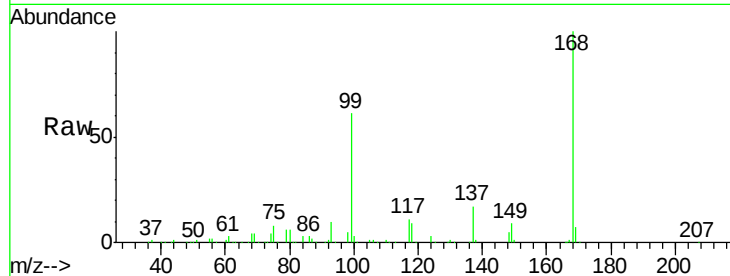
BP-VPB178-TB-20201104

Tot Ion:168 Resp: 295266

Ion Ratio Lower Upper

168 100

99 61.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

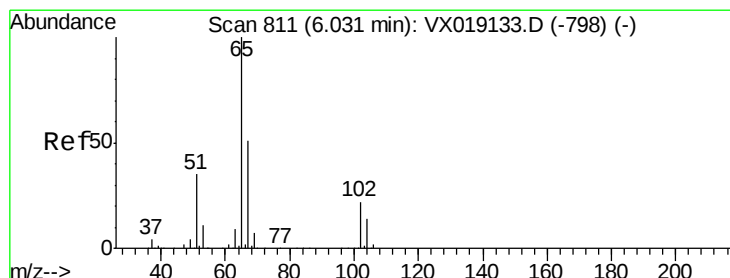
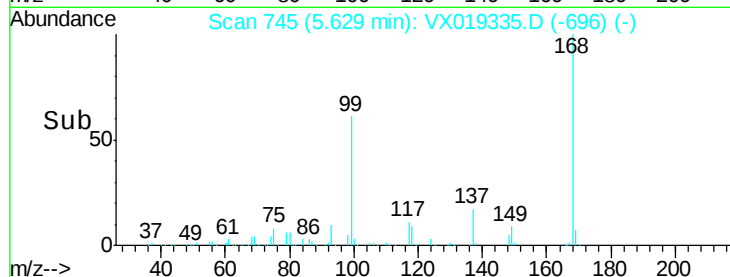
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.438 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019335.D

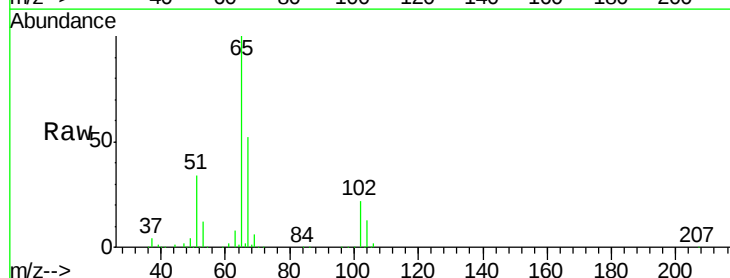
Acq: 06 Nov 2020 12:44

Tgt Ion: 65 Resp: 203484

Ion Ratio Lower Upper

65 100

67 51.9 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

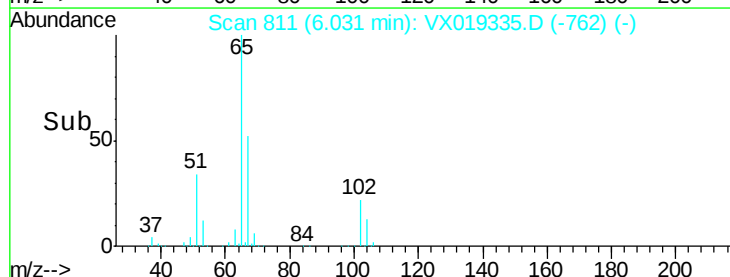
60000

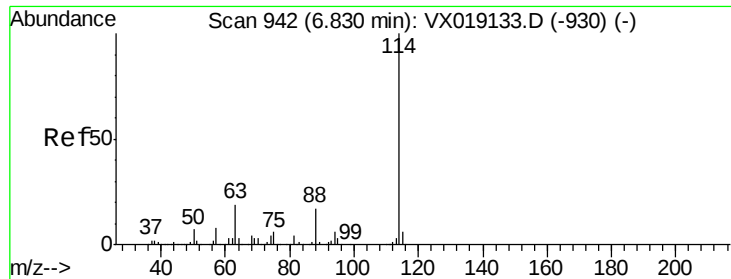
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019335.D

Acq: 06 Nov 2020 12:44

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB178-TB-20201104

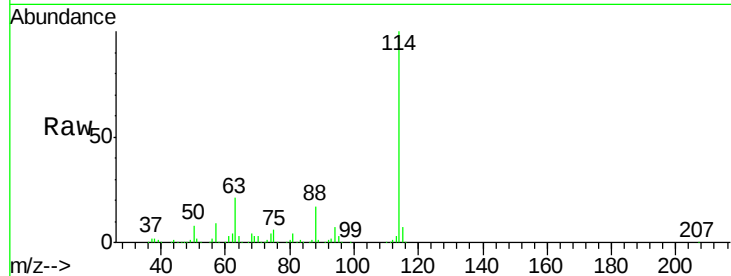
Tot Ion:114 Resp: 513507

Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.8

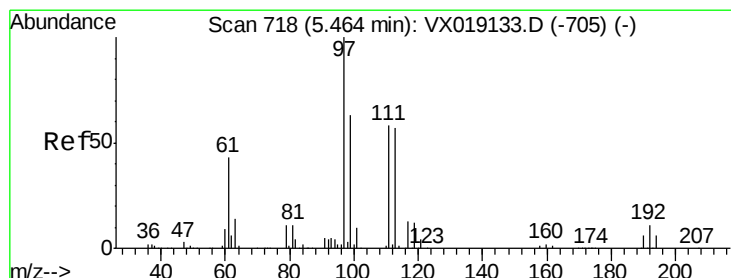
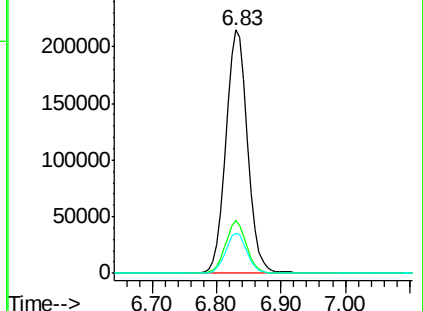
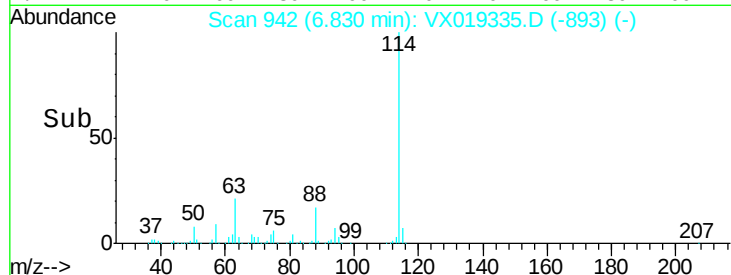
88 16.6 0.0 34.2



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: 49.465 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019335.D

Acq: 06 Nov 2020 12:44

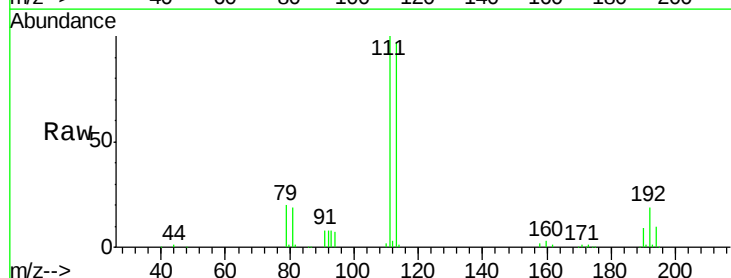
Tgt Ion:113 Resp: 159552

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

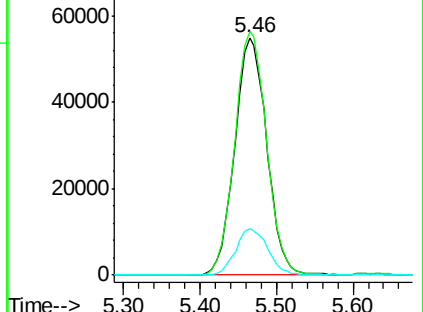
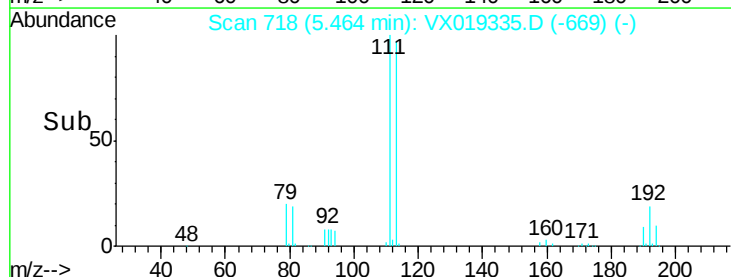
192 19.5 16.2 24.2

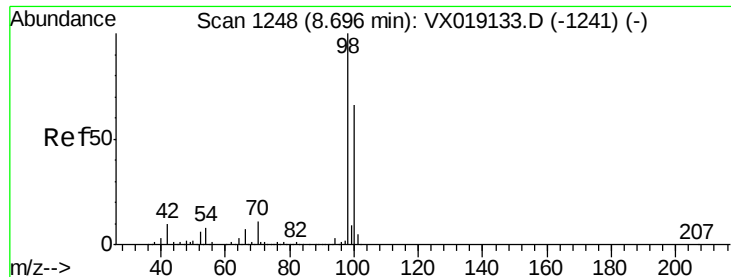


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.788 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019335.D

Acq: 06 Nov 2020 12:44

Instrument :

MSVOA\_X

ClientSampleId :

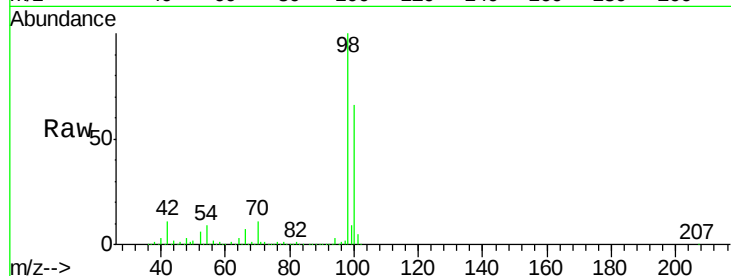
BP-VPB178-TB-20201104

Tot Ion: 98 Resp: 629690

Ion Ratio Lower Upper

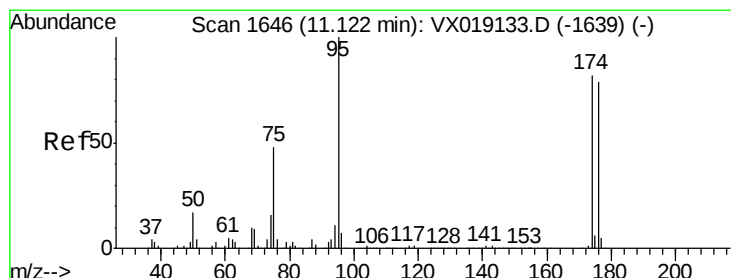
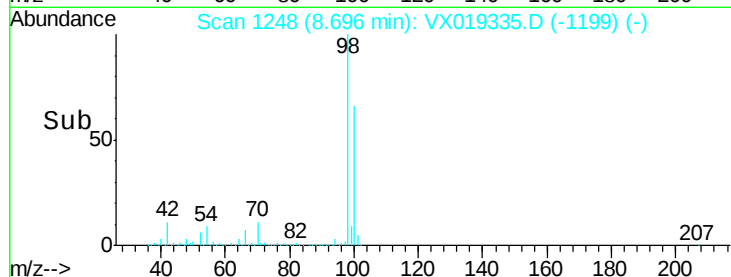
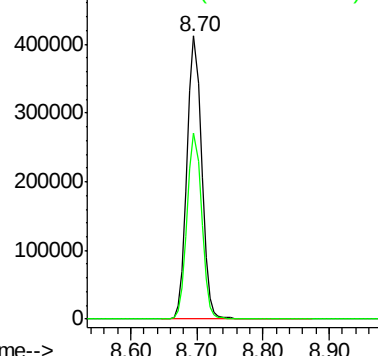
98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.971 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019335.D

Acq: 06 Nov 2020 12:44

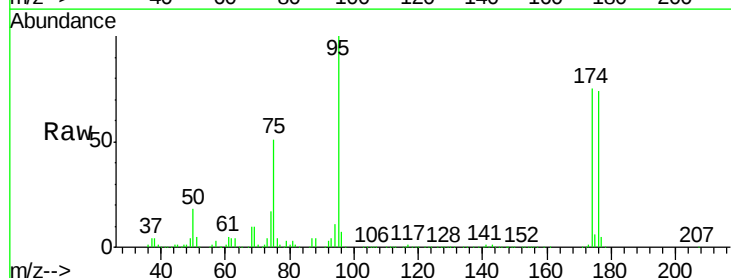
Tgt Ion: 95 Resp: 248520

Ion Ratio Lower Upper

95 100

174 74.0 0.0 156.0

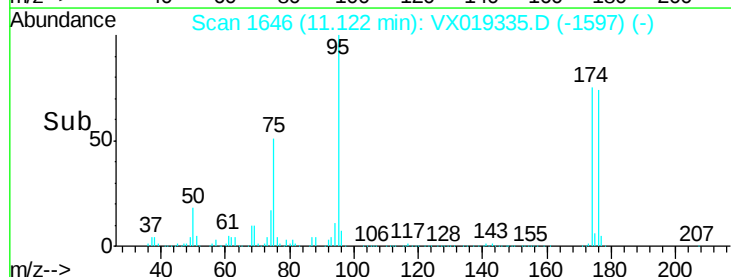
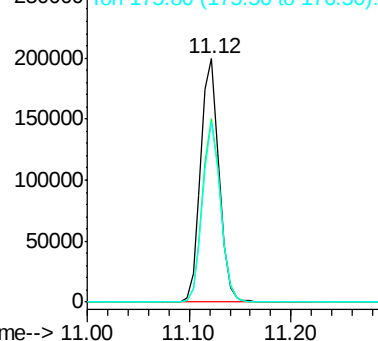
176 72.3 0.0 149.8

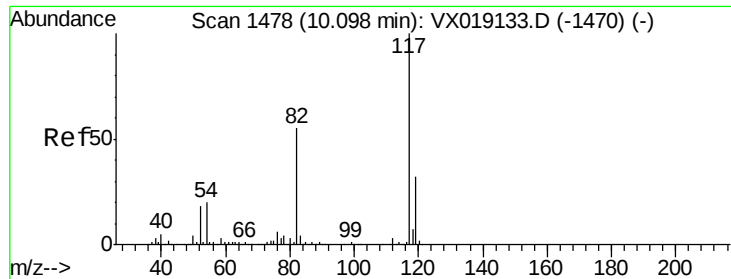


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

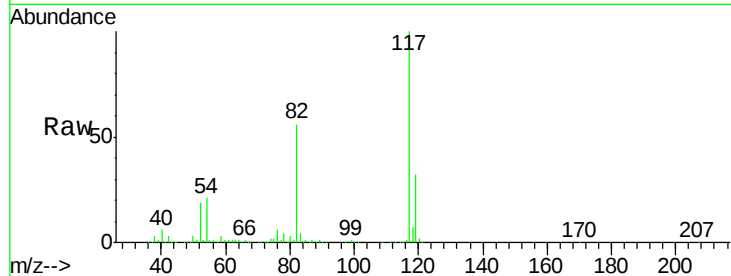




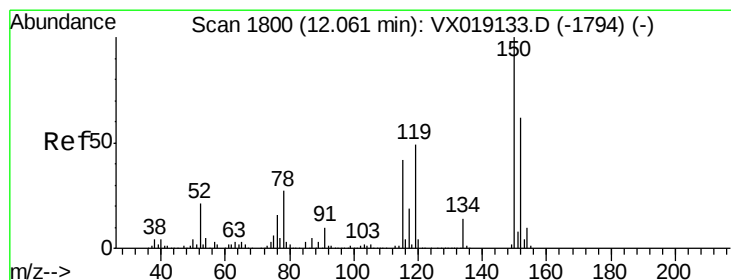
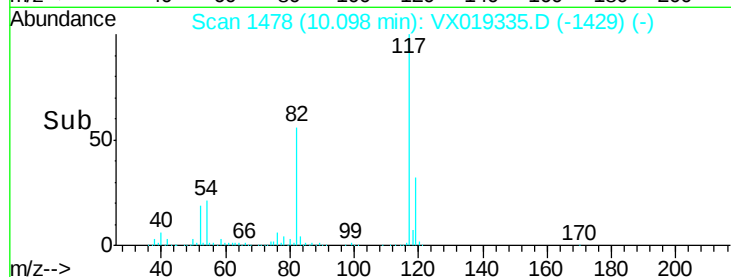
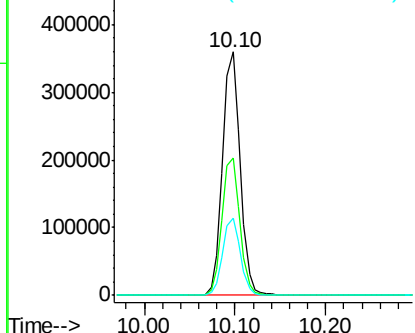
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019335.D  
Acq: 06 Nov 2020 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB178-TB-20201104

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 43.6  | 65.4  |
| 119     | 31.9  | 25.5  | 38.3  |

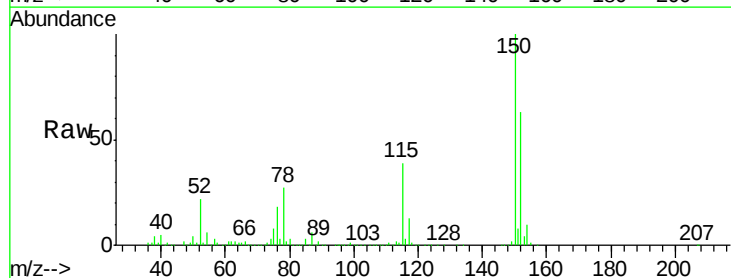


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX019335.D  
Acq: 06 Nov 2020 12:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.4  | 41.9  | 125.7 |
| 150     | 157.7 | 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

