

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\  
 Data File : VX015937.D  
 Acq On : 24 Apr 2020 17:50  
 Operator : JC/SP  
 Sample : L2414-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-TB9-200422

Quant Time: Apr 25 07:30:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 24 13:17:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 134910   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 251948   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 241537   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 117239   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 97536    | 51.20 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.40% |      |
| 35) Dibromofluoromethane    | 5.47   | 113 | 73789    | 53.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.40% |      |
| 50) Toluene-d8              | 8.70   | 98  | 317680   | 54.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.22% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 130284   | 55.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.42% |      |

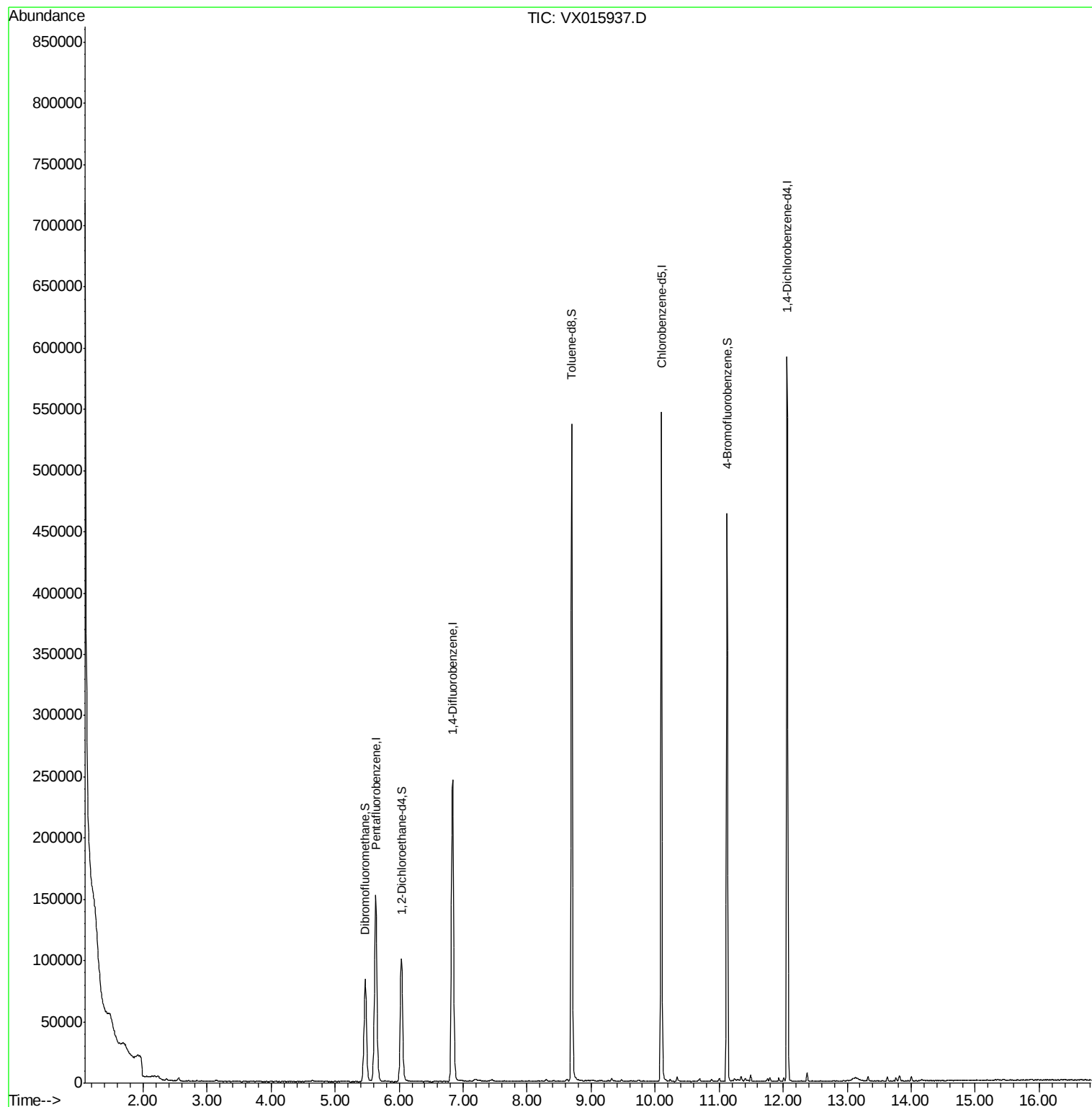
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

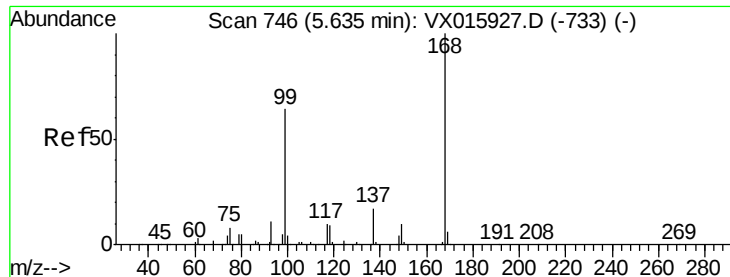
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 24 13:17:59 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: VX015937.D

Acq: 24 Apr 2020 17:50

Instrument :

MSVOA\_X

ClientSampleId :

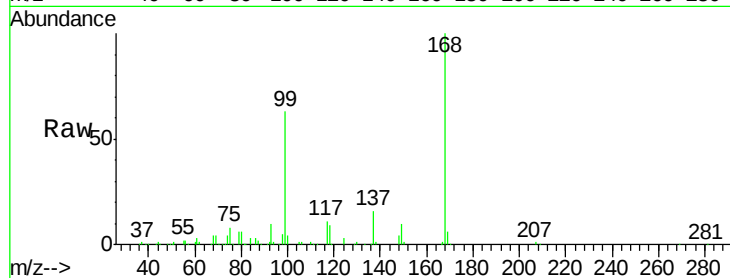
Z3-TB9-200422

Tot Ion:168 Resp: 134910

Ion Ratio Lower Upper

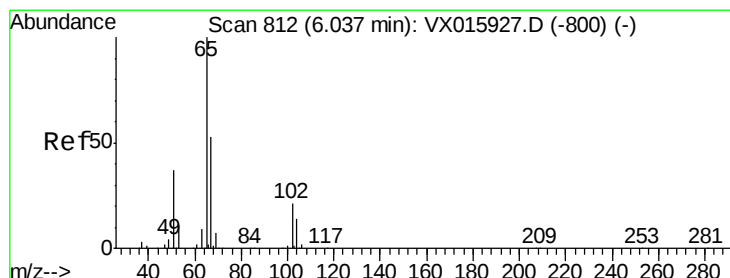
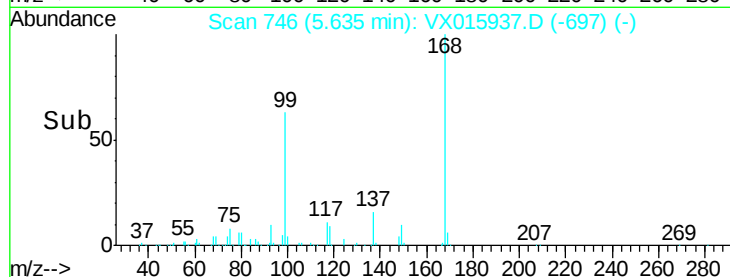
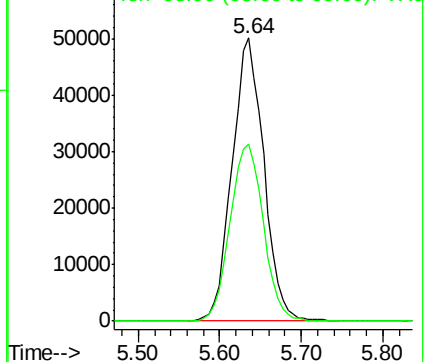
168 100

99 62.5 51.2 76.8



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: 51.201 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015937.D

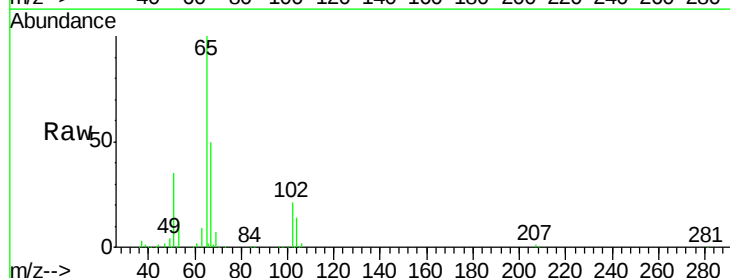
Acq: 24 Apr 2020 17:50

Tgt Ion: 65 Resp: 97536

Ion Ratio Lower Upper

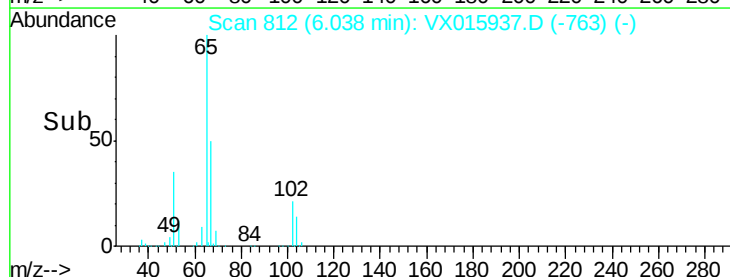
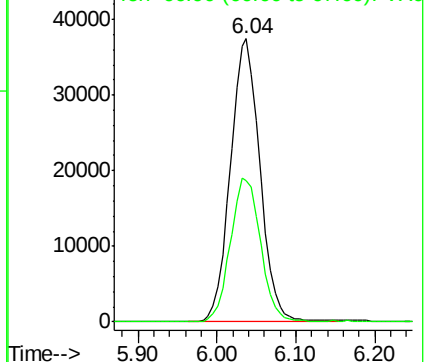
65 100

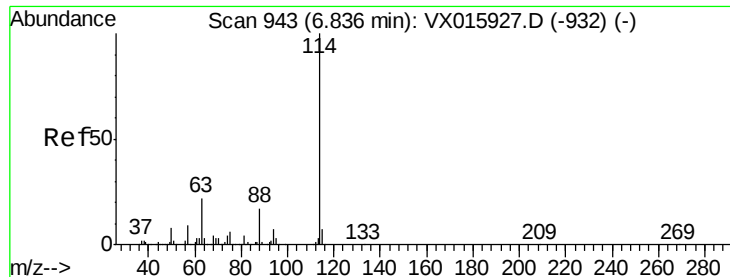
67 51.8 0.0 106.6



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: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015937.D

Acq: 24 Apr 2020 17:50

Instrument :

MSVOA\_X

ClientSampleId :

Z3-TB9-200422

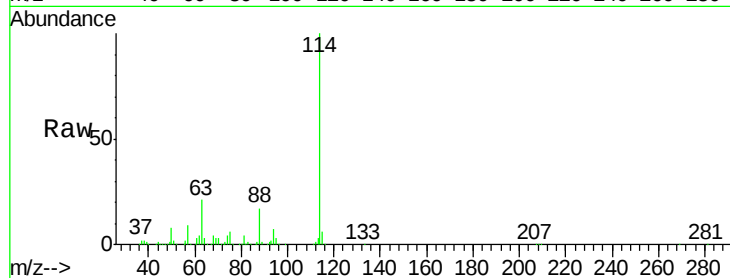
Tot Ion:114 Resp: 251948

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.4

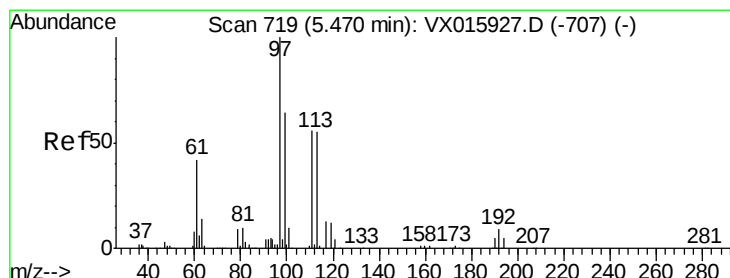
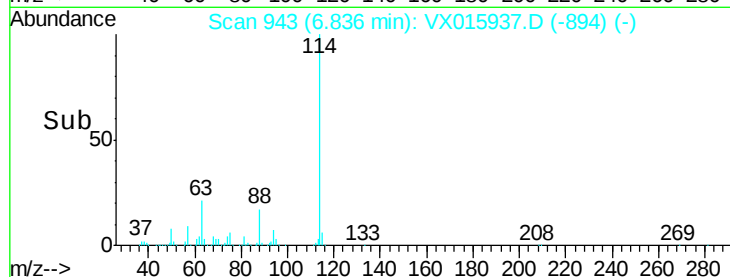
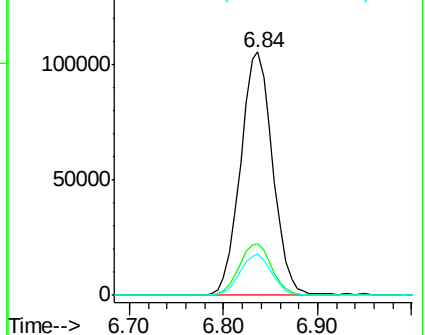
88 16.8 0.0 34.2



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: 53.700 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015937.D

Acq: 24 Apr 2020 17:50

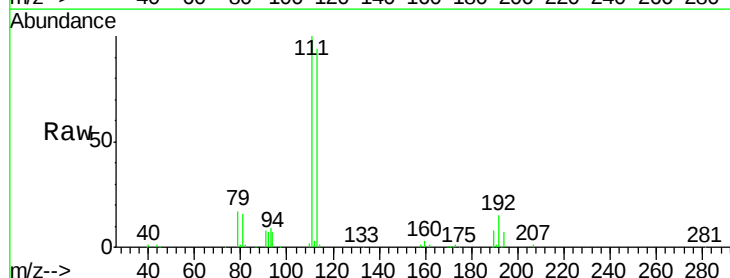
Tgt Ion:113 Resp: 73789

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

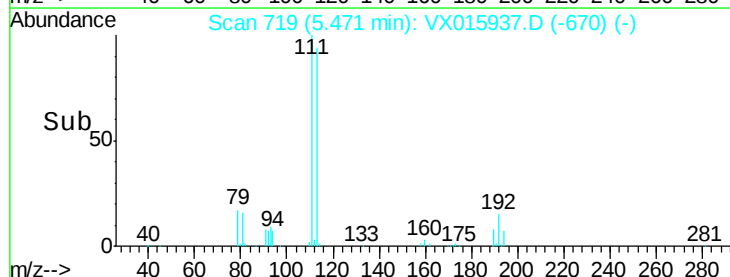
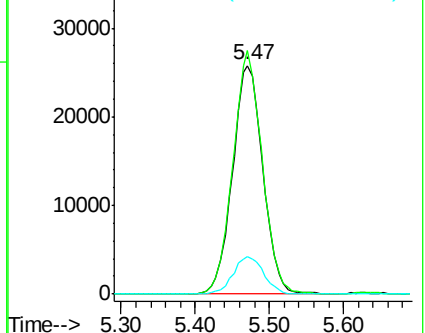
192 16.4 13.6 20.4

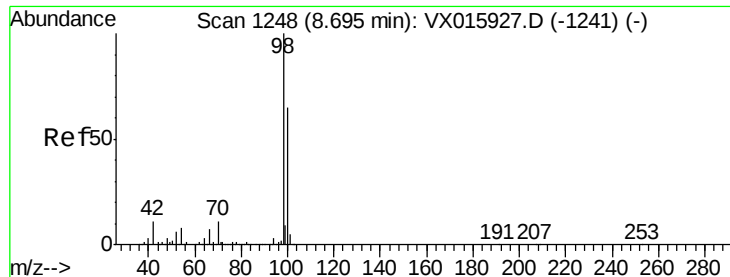


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 54.608 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015937.D

Acq: 24 Apr 2020 17:50

Instrument :

MSVOA\_X

ClientSampleId :

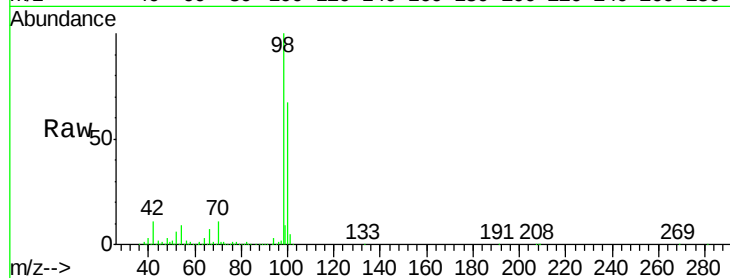
Z3-TB9-200422

Tot Ion: 98 Resp: 317680

Ion Ratio Lower Upper

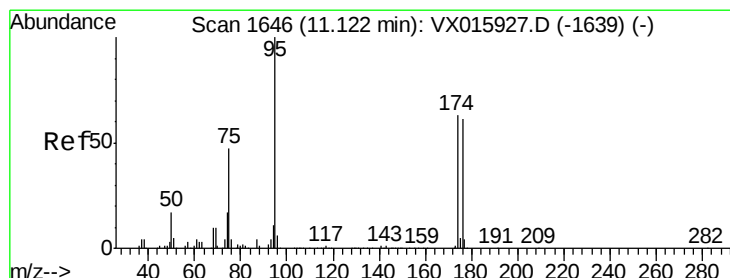
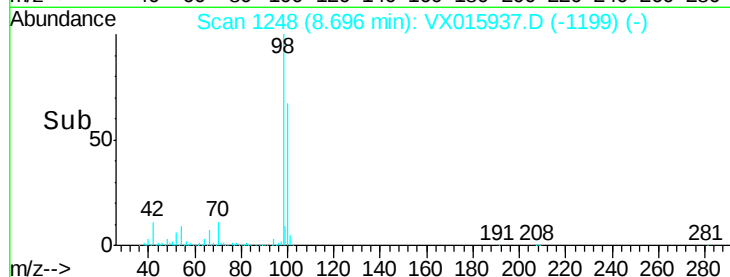
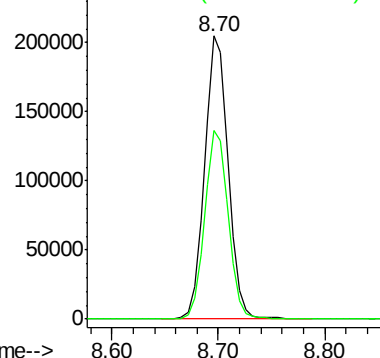
98 100

100 67.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 55.215 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015937.D

Acq: 24 Apr 2020 17:50

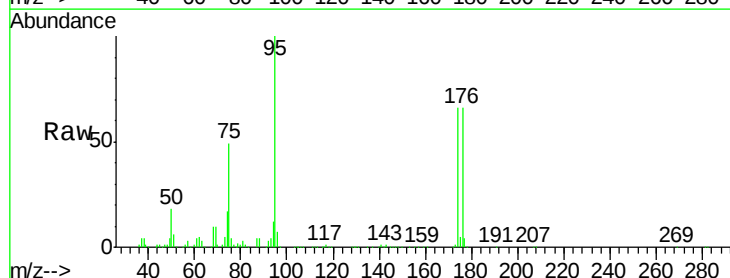
Tgt Ion: 95 Resp: 130284

Ion Ratio Lower Upper

95 100

174 64.5 0.0 133.6

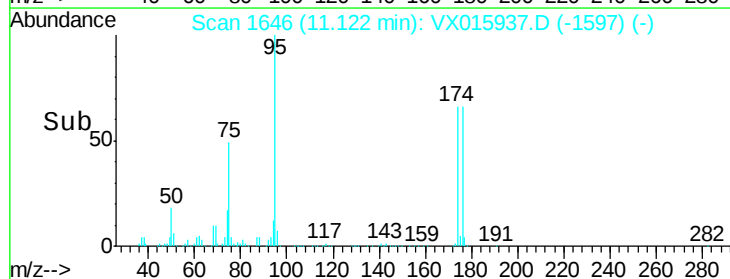
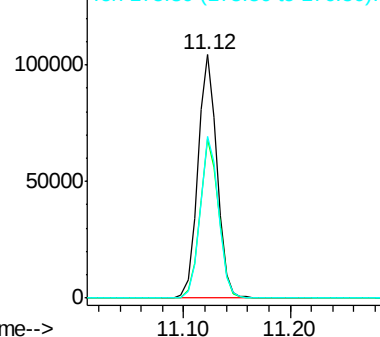
176 64.5 0.0 126.0

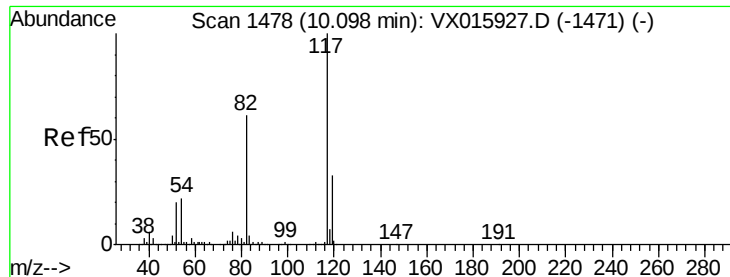


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

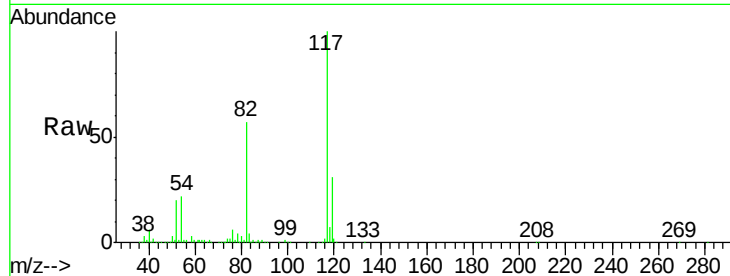




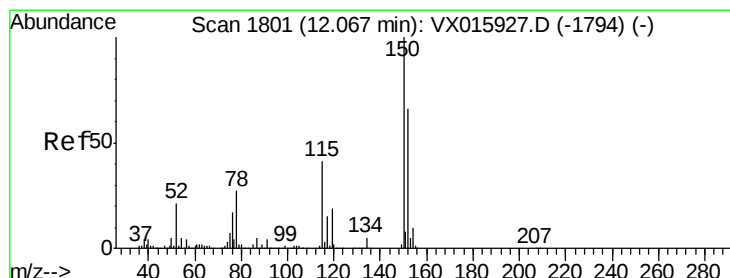
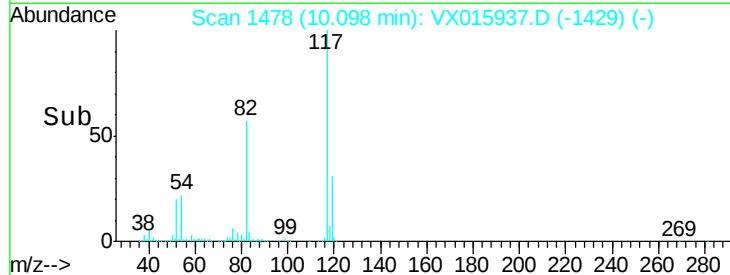
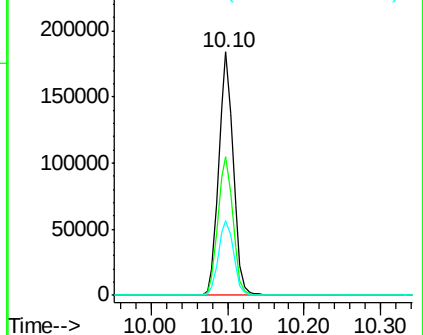
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX015937.D  
Acq: 24 Apr 2020 17:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-TB9-200422

Tot Ion:117 Resp: 241537  
Ion Ratio Lower Upper  
117 100  
82 57.2 48.5 72.7  
119 30.6 26.2 39.4

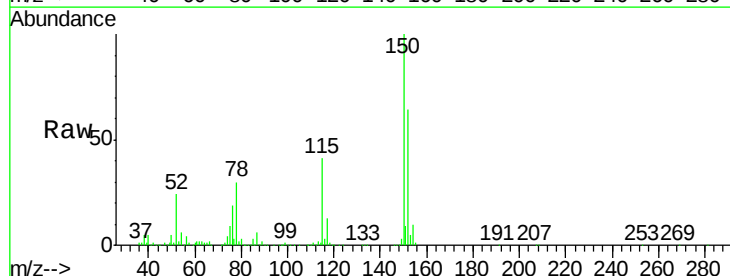


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: VX015937.D  
Acq: 24 Apr 2020 17:50

Tgt Ion:152 Resp: 117239  
Ion Ratio Lower Upper  
152 100  
115 64.3 44.1 132.4  
150 159.4 0.0 343.6



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

