

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121420\  
 Data File : VX019993.D  
 Acq On : 14 Dec 2020 17:48  
 Operator : JC/MD  
 Sample : L4984-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR3-B-TOP

Quant Time: Dec 15 01:57:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.62  | 168  | 307106   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 509676   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 474396   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 205979   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |                |     |          |       |         |      |
|-----------------------------|----------------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03           | 65  | 198007   | 49.06 | ug/l    | 0.00 |
| Spiked Amount 50.000        | Range 61 - 141 |     | Recovery | =     | 98.12%  |      |
| 35) Dibromofluoromethane    | 5.46           | 113 | 159190   | 48.33 | ug/l    | 0.00 |
| Spiked Amount 50.000        | Range 69 - 133 |     | Recovery | =     | 96.66%  |      |
| 50) Toluene-d8              | 8.70           | 98  | 631304   | 50.20 | ug/l    | 0.00 |
| Spiked Amount 50.000        | Range 65 - 126 |     | Recovery | =     | 100.40% |      |
| 62) 4-Bromofluorobenzene    | 11.12          | 95  | 222110   | 46.40 | ug/l    | 0.00 |
| Spiked Amount 50.000        | Range 58 - 135 |     | Recovery | =     | 92.80%  |      |

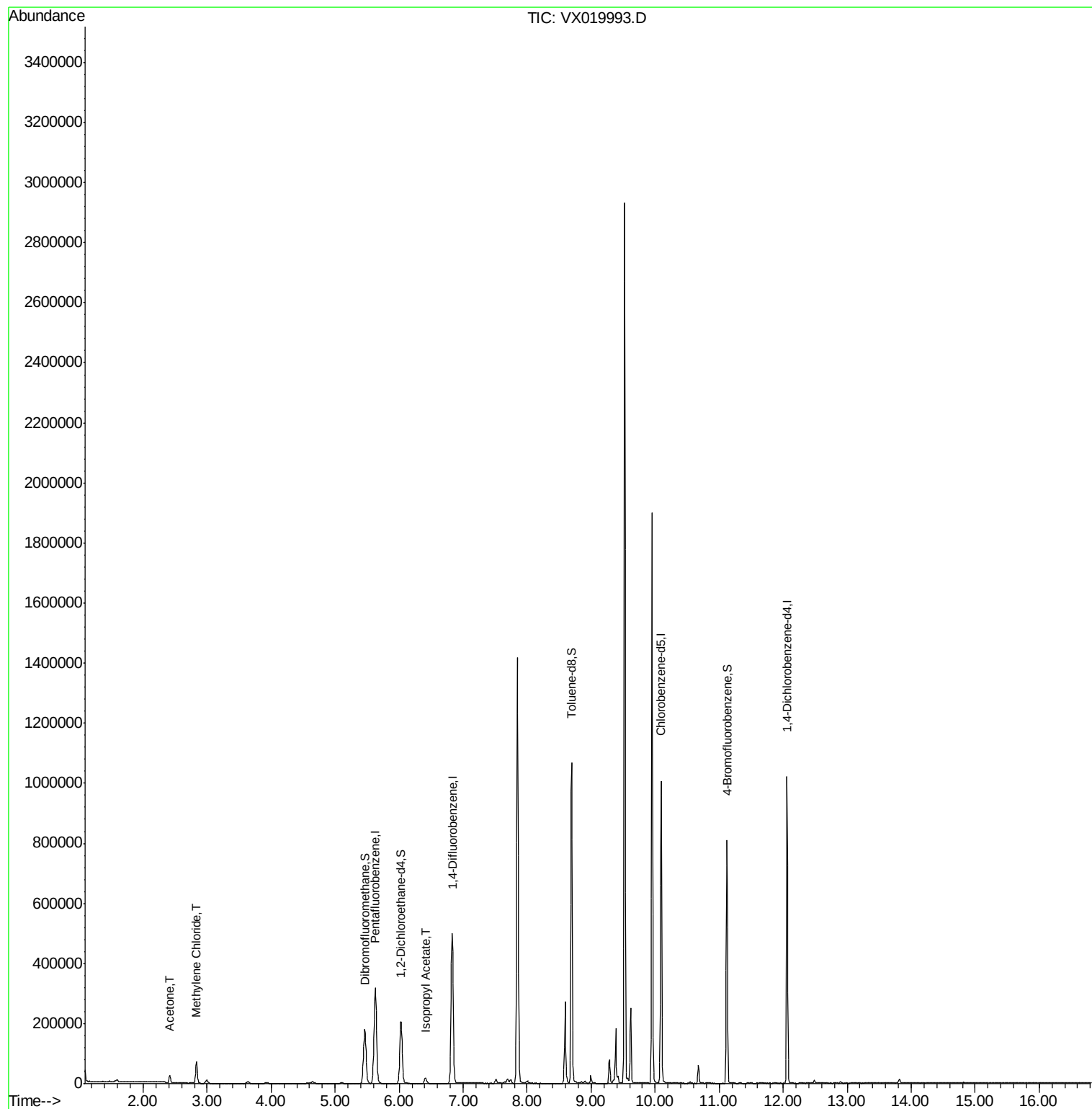
| Target Compounds       |      |    |       |             | Qvalue |
|------------------------|------|----|-------|-------------|--------|
| 16) Acetone            | 2.42 | 43 | 26207 | 17.274 ug/l | 99     |
| 20) Methylene Chloride | 2.83 | 84 | 34452 | 8.774 ug/l  | 97     |
| 43) Isopropyl Acetate  | 6.41 | 43 | 24004 | 3.175 ug/l  | 98     |

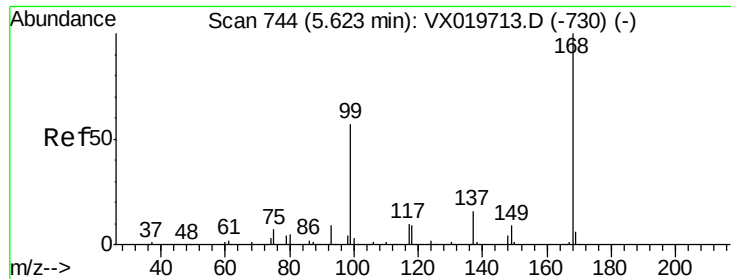
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
TR3-B-TOP

Quant Time: Dec 15 01:57:14 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019993.D

Acq: 14 Dec 2020 17:48

Instrument :

MSVOA\_X

ClientSampleId :

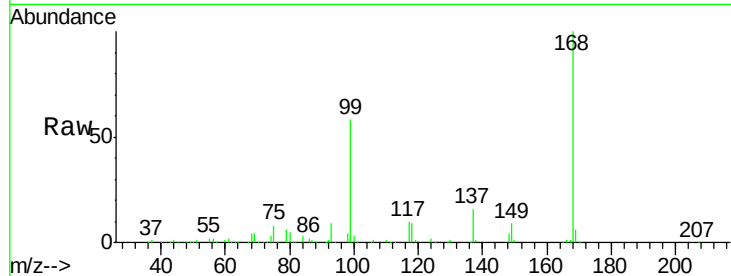
TR3-B-TOP

Tot Ion:168 Resp: 307106

Ion Ratio Lower Upper

168 100

99 57.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

60000

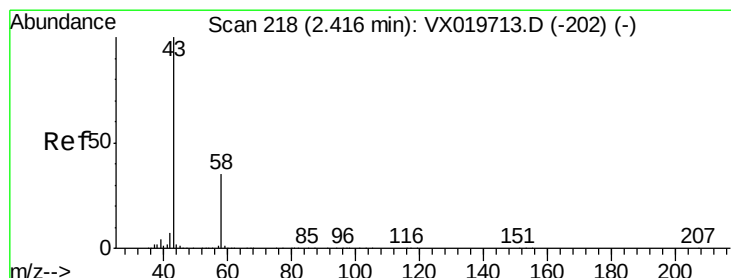
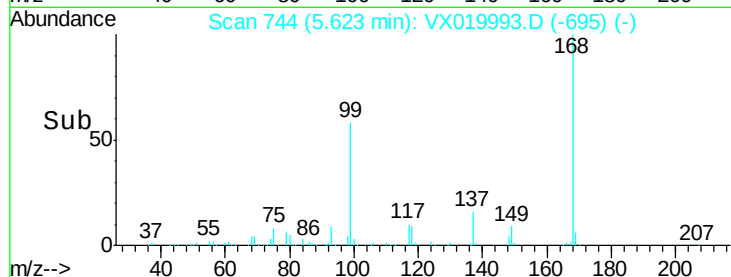
40000

20000

0

Time-->

5.50 5.60 5.70



#16

Acetone

Concen: 17.274 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019993.D

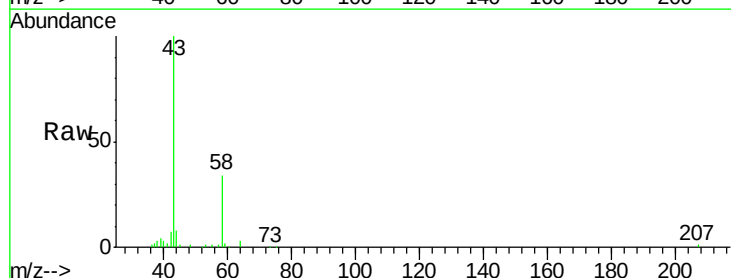
Acq: 14 Dec 2020 17:48

Tgt Ion: 43 Resp: 26207

Ion Ratio Lower Upper

43 100

58 34.0 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

15000

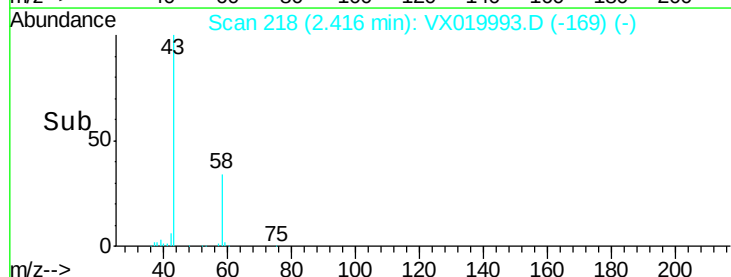
10000

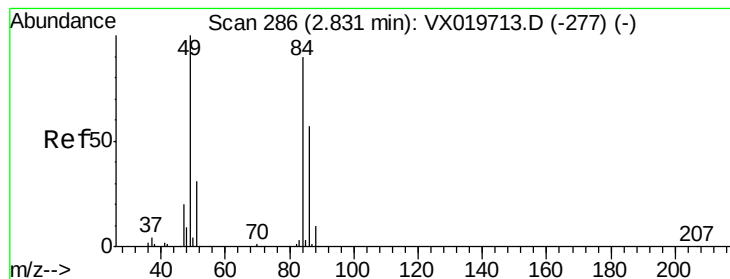
5000

0

Time-->

2.30 2.40 2.50





#20

Methvlene Chloride

Concen: 8.774 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019993.D

Acq: 14 Dec 2020 17:48

Instrument :

MSVOA\_X

ClientSampled :

TR3-B-TOP

Tot Ion: 84 Resp: 34452

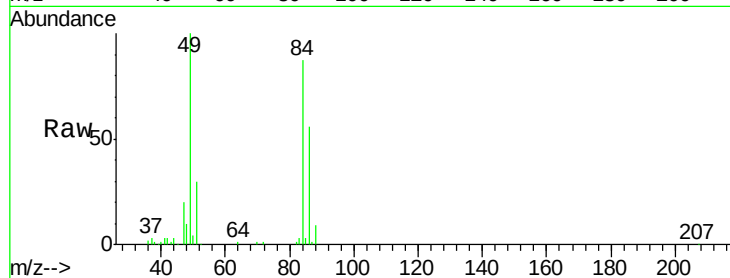
Ion Ratio Lower Upper

84 100

49 115.2 88.6 132.8

51 34.4 27.0 40.6

86 64.7 50.3 75.5

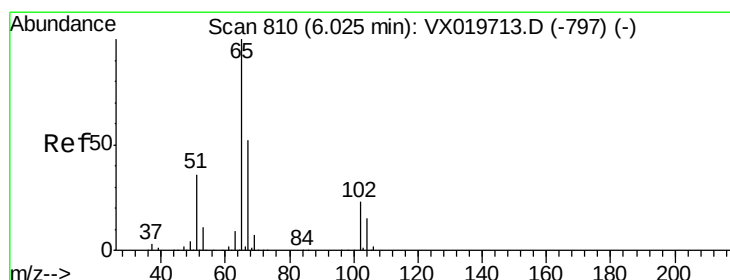
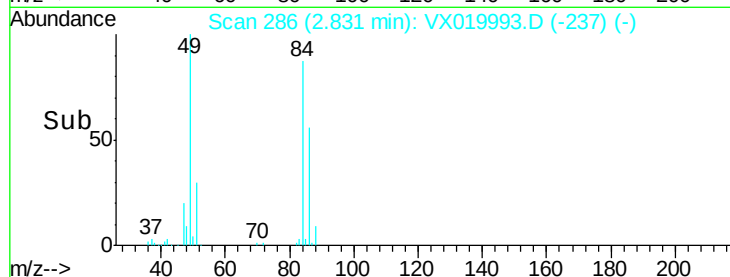
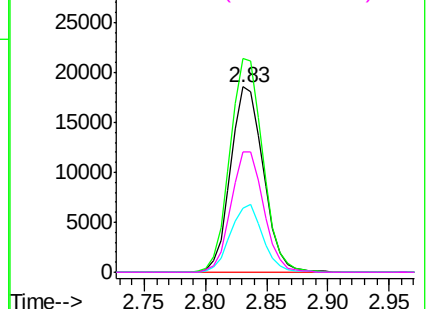


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.057 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019993.D

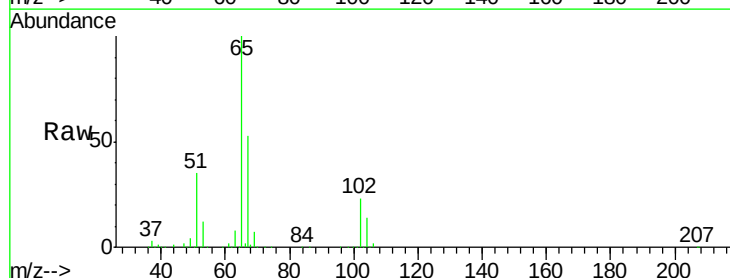
Acq: 14 Dec 2020 17:48

Tgt Ion: 65 Resp: 198007

Ion Ratio Lower Upper

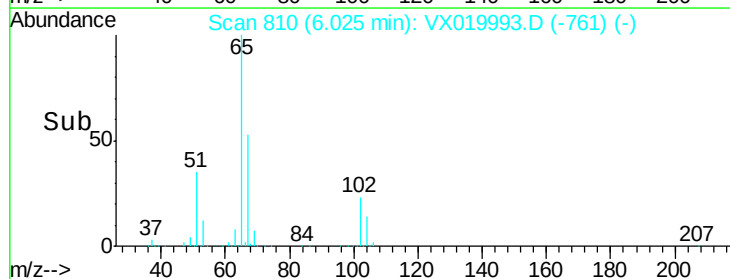
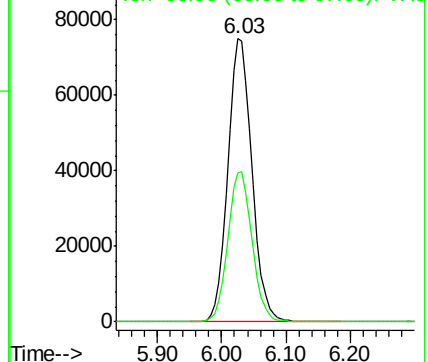
65 100

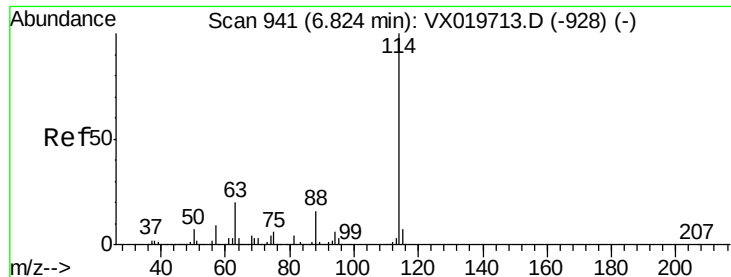
67 53.3 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

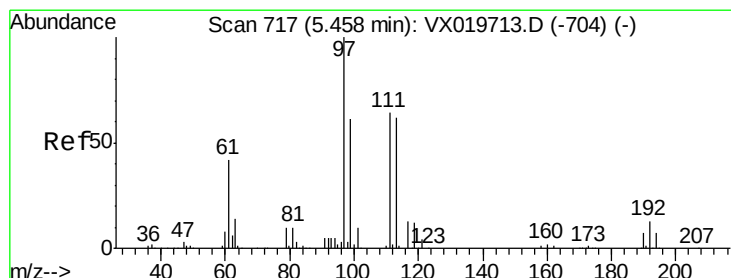
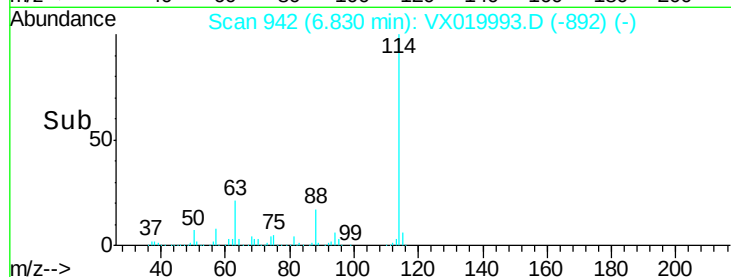
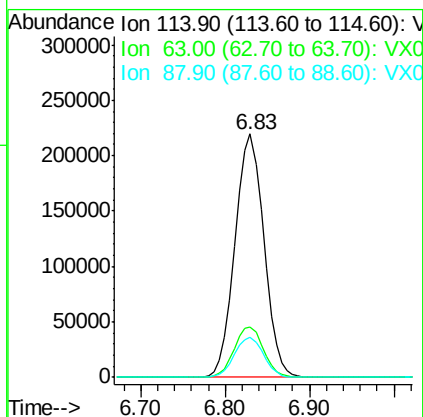
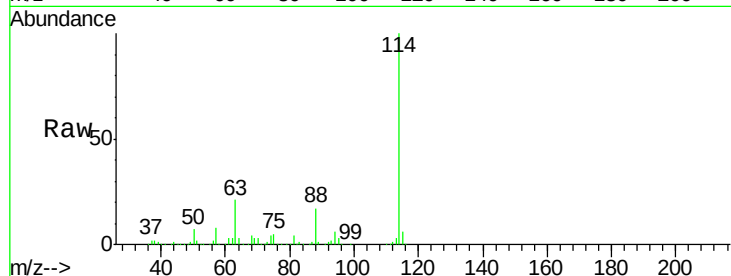




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.01 min  
 Lab File: VX019993.D  
 Acq: 14 Dec 2020 17:48

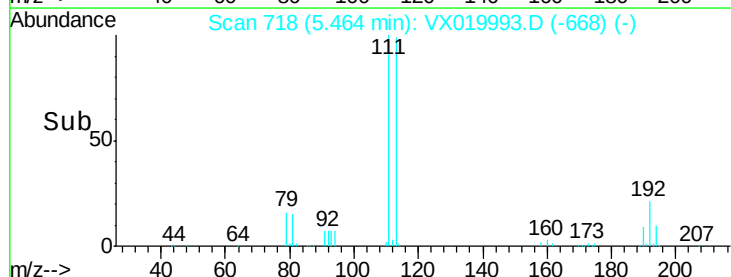
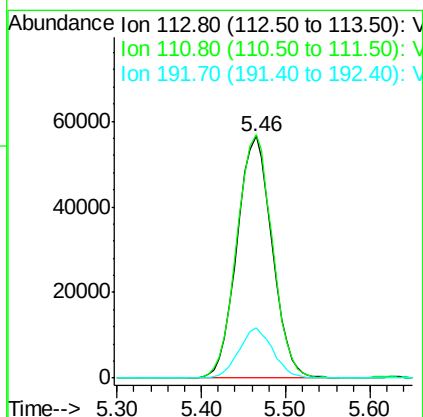
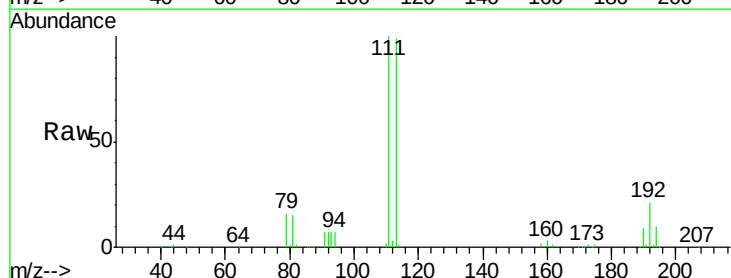
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR3-B-TOP

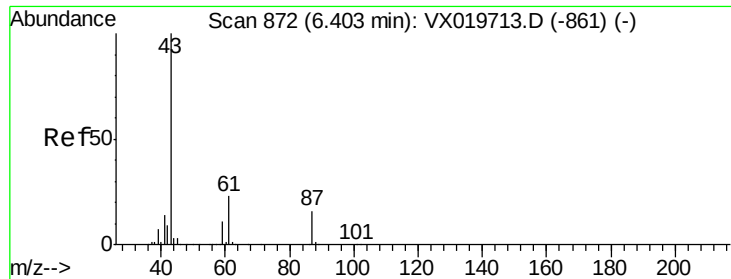
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.8  | 0.0   | 40.8  |
| 88      | 16.5  | 0.0   | 32.8  |



#35  
 Dibromofluoromethane  
 Concen: 48.328 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. 0.01 min  
 Lab File: VX019993.D  
 Acq: 14 Dec 2020 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.9  | 122.9 |
| 192     | 20.2  | 16.7  | 25.1  |





#43

Isopropyl Acetate

Concen: 3.175 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019993.D

Acq: 14 Dec 2020 17:48

Instrument :

MSVOA\_X

ClientSampleId :

TR3-B-TOP

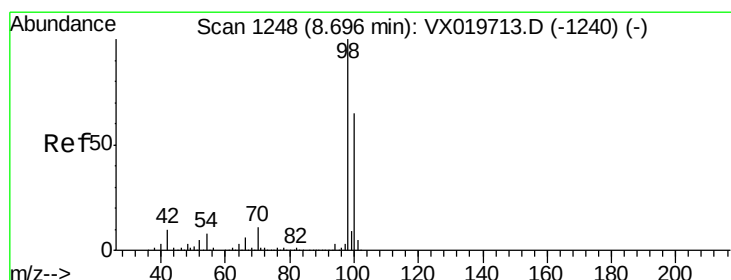
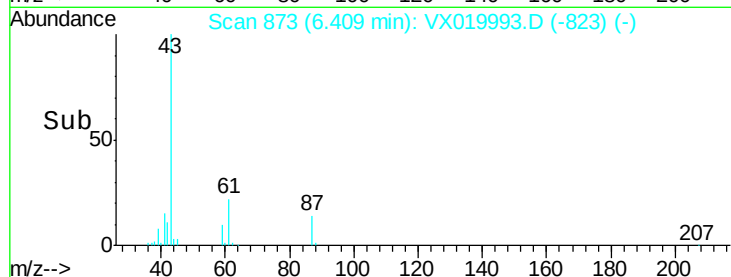
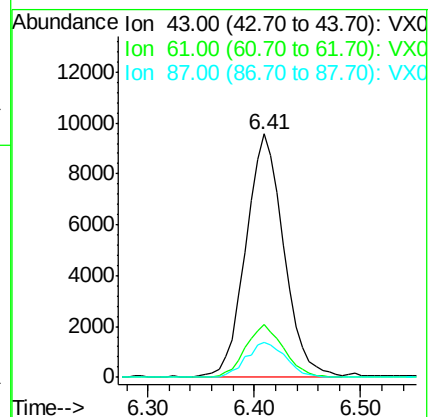
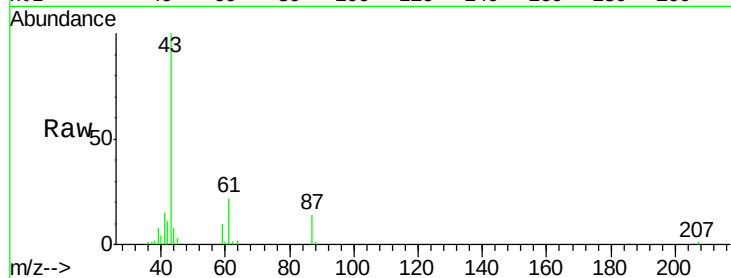
Tot Ion: 43 Resp: 24004

Ion Ratio Lower Upper

43 100

61 21.7 18.2 27.4

87 14.8 12.5 18.7



#50

Toluene-d8

Concen: 50.201 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019993.D

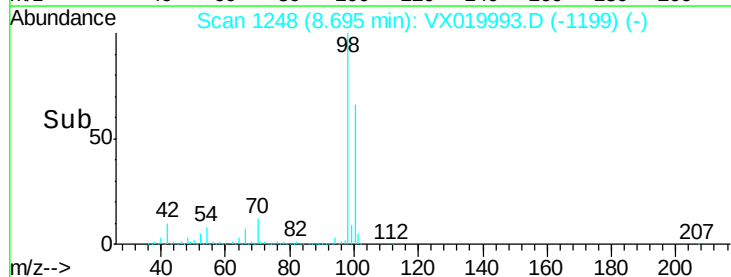
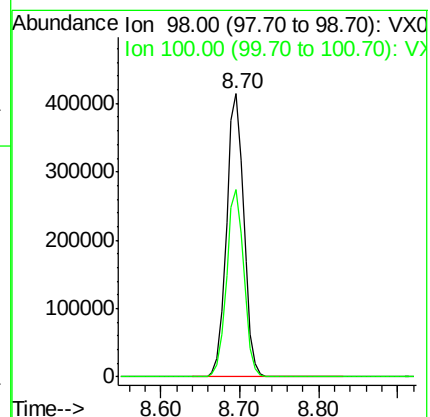
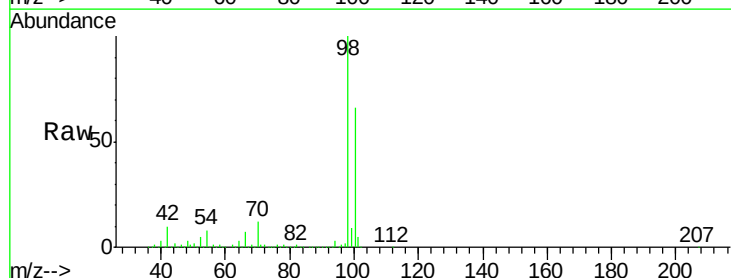
Acq: 14 Dec 2020 17:48

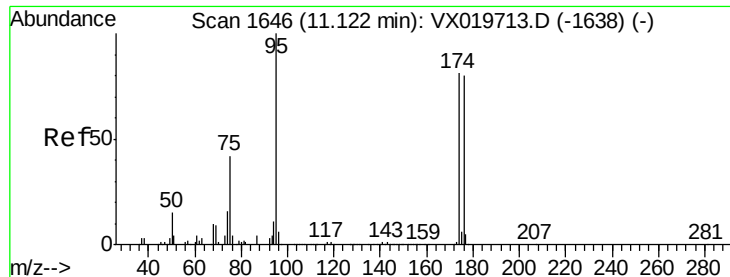
Tgt Ion: 98 Resp: 631304

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 46.404 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019993.D

Acq: 14 Dec 2020 17:48

Instrument :

MSVOA\_X

ClientSampleId :

TR3-B-TOP

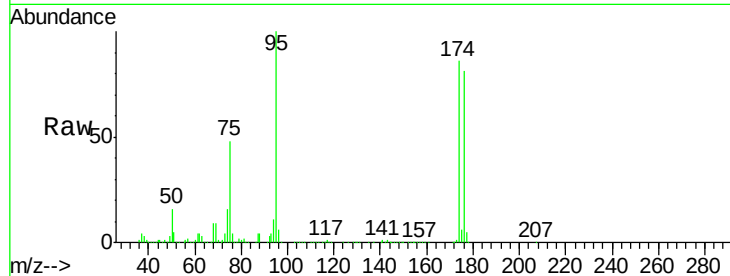
Tot Ion: 95 Resp: 222110

Ion Ratio Lower Upper

95 100

174 78.2 0.0 154.6

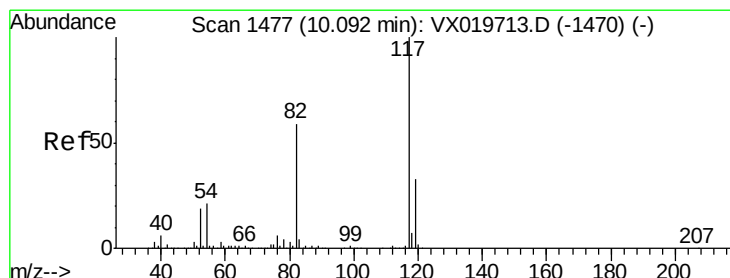
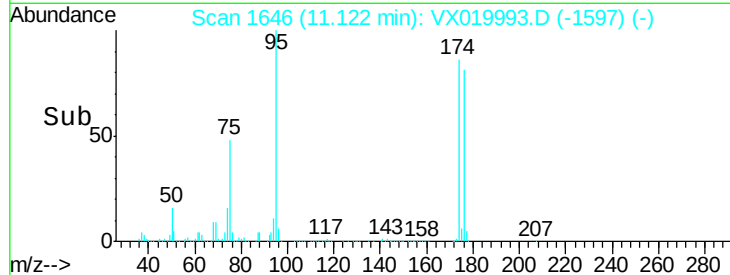
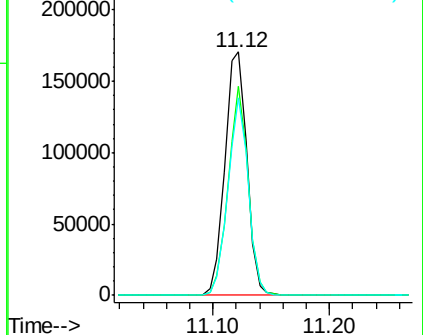
176 75.5 0.0 155.8



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: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019993.D

Acq: 14 Dec 2020 17:48

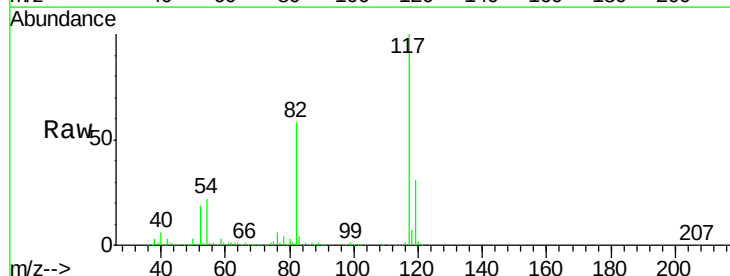
Tgt Ion: 117 Resp: 474396

Ion Ratio Lower Upper

117 100

82 58.0 47.4 71.2

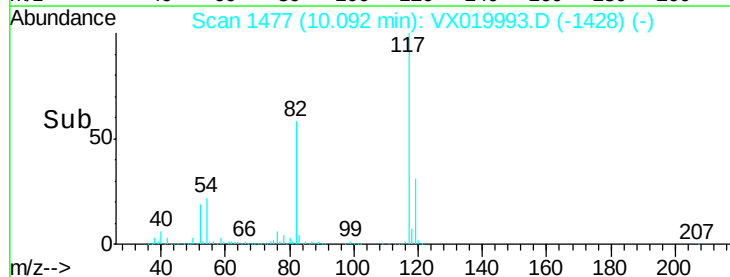
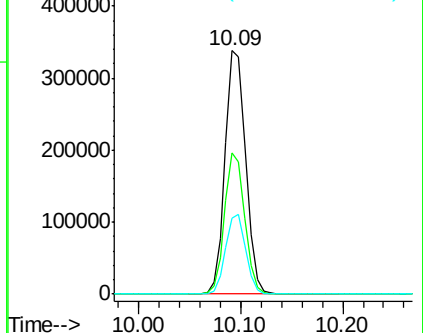
119 31.2 26.6 39.8

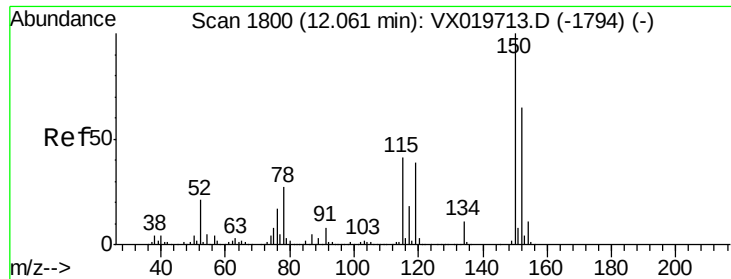


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX019993.D

Acq: 14 Dec 2020 17:48

Instrument :

MSVOA\_X

ClientSampleId :

TR3-B-TOP

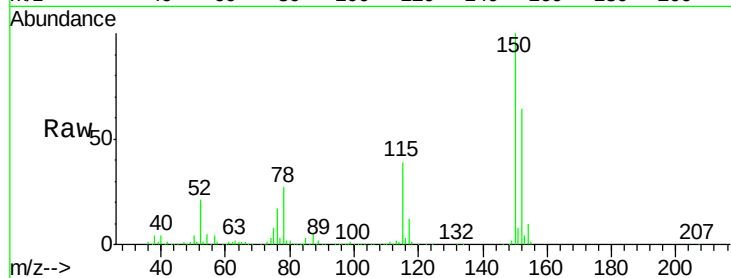
Tot Ion:152 Resp: 205979

Ion Ratio Lower Upper

152 100

115 59.8 41.1 123.3

150 154.1 0.0 349.0



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

