

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\  
 Data File : VX019790.D  
 Acq On : 09 Dec 2020 19:40  
 Operator : JC/MD  
 Sample : L4971-18  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 5S2-B-BOTTOM

Quant Time: Dec 10 06:27:02 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      | 5.63  | 168  | 333788   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 547609   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 497862   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 217999   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65    | 207159   | 47.22    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 94.44% |
| 35) Dibromofluoromethane    | 5.46   | 113   | 167617   | 47.36    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 94.72% |
| 50) Toluene-d8              | 8.70   | 98    | 669708   | 49.57    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 99.14% |
| 62) 4-Bromofluorobenzene    | 11.12  | 95    | 232699   | 45.25    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 90.50% |

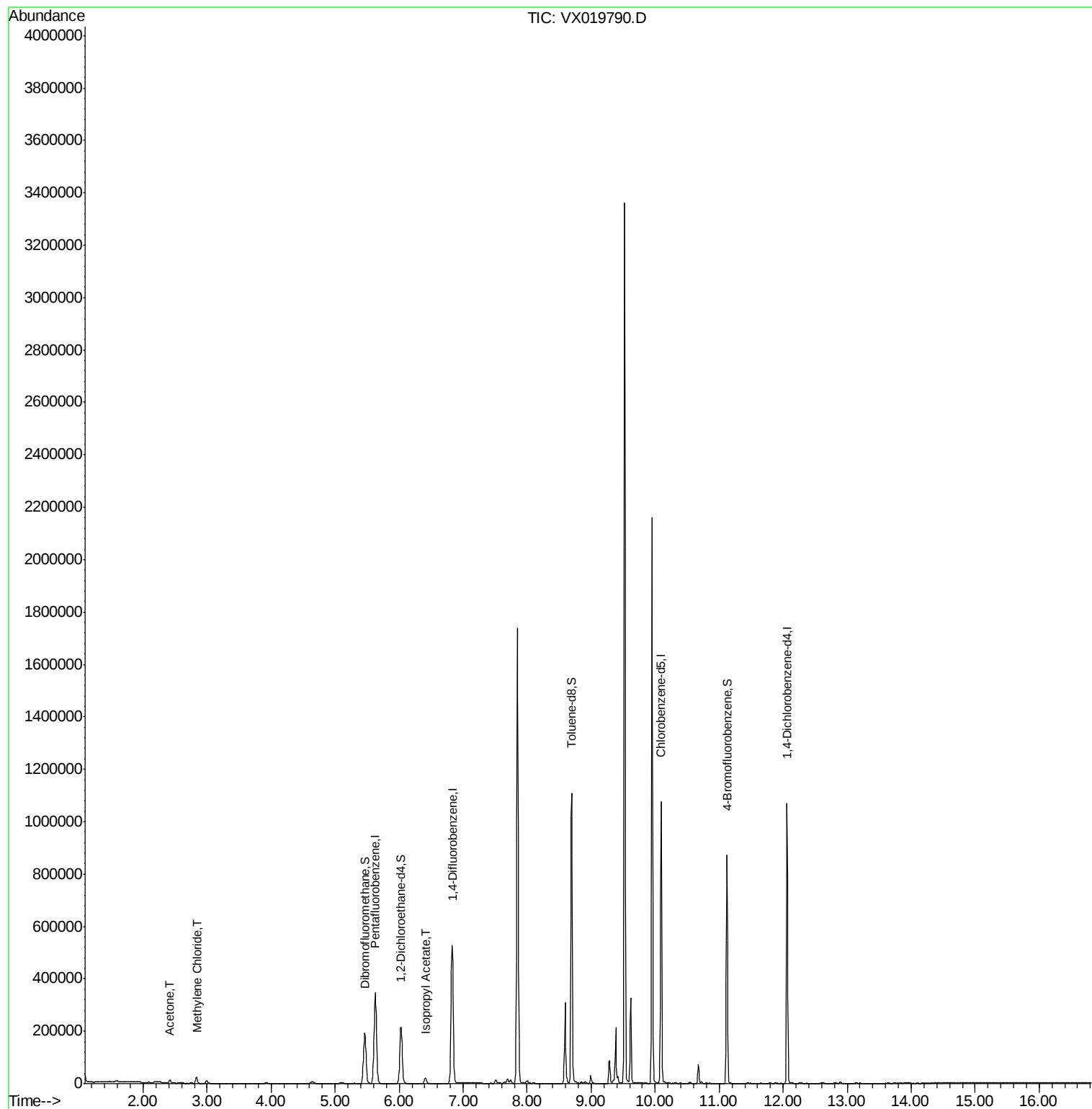
| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 16) Acetone            | 2.42 | 43 | 12715 | 7.711 ug/l | 99     |
| 20) Methylene Chloride | 2.84 | 84 | 10864 | 1.507 ug/l | 97     |
| 43) Isopropyl Acetate  | 6.41 | 43 | 27470 | 3.382 ug/l | 99     |

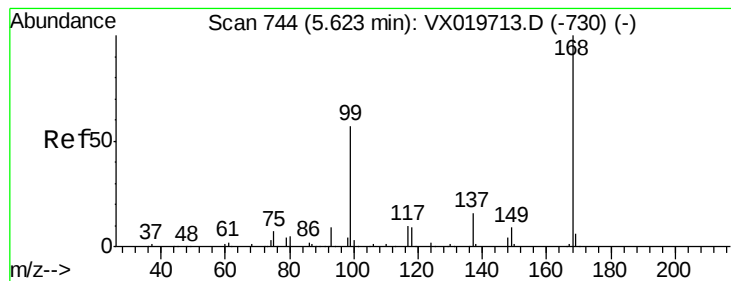
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120920\  
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ClientSampleId :  
5S2-B-BOTTOM

Quant Time: Dec 10 06:27:02 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: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

Instrument :

MSVOA\_X

ClientSampleId :

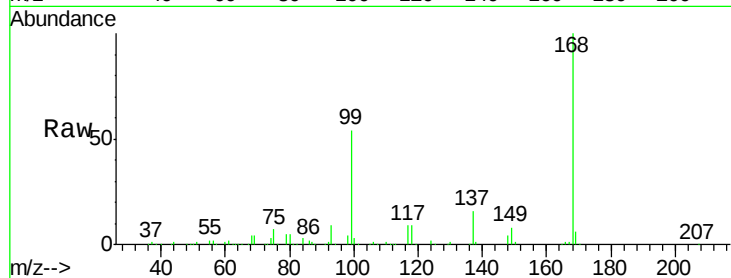
5S2-B-BOTTOM

Tot Ion:168 Resp: 333788

Ion Ratio Lower Upper

168 100

99 54.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

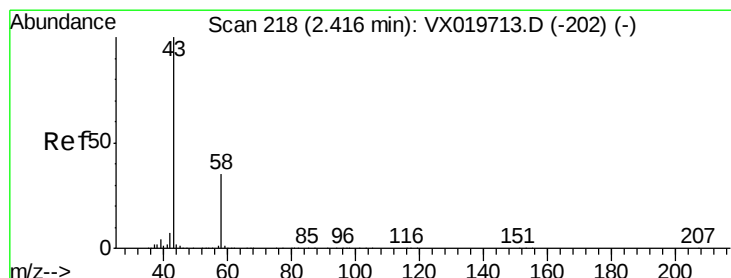
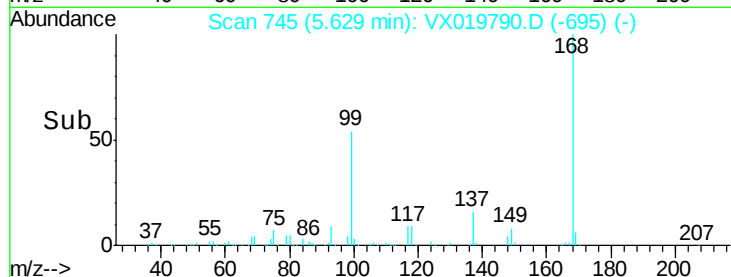
5.63

100000

50000

0

Time-->



#16

Acetone

Concen: 7.711 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019790.D

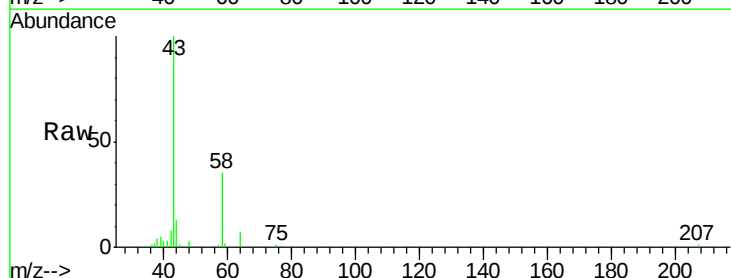
Acq: 09 Dec 2020 19:40

Tgt Ion: 43 Resp: 12715

Ion Ratio Lower Upper

43 100

58 35.5 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

8000

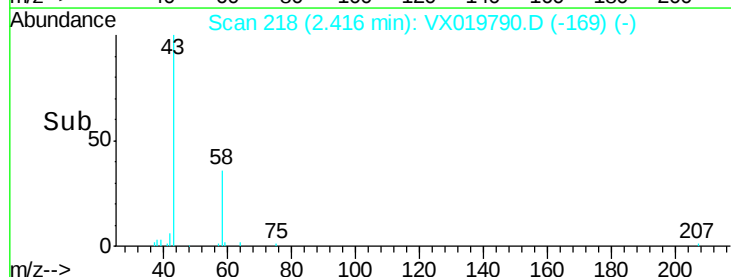
6000

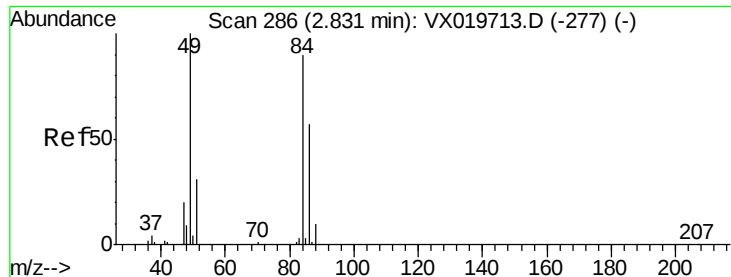
4000

2000

0

Time-->

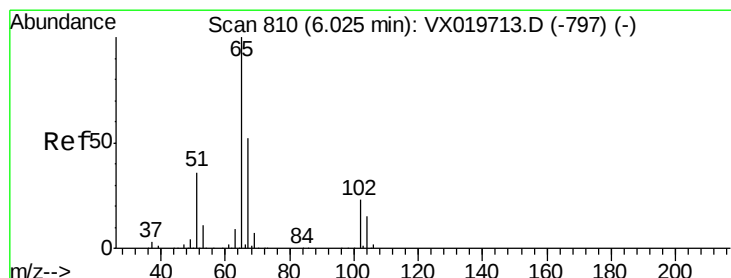
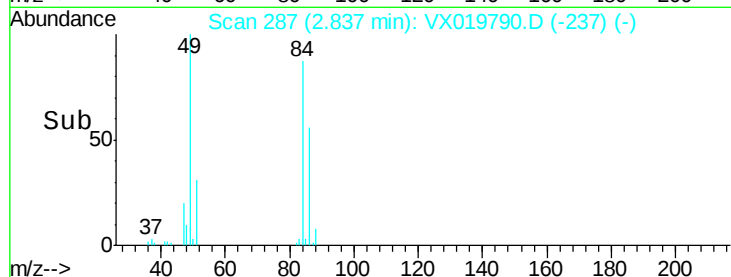
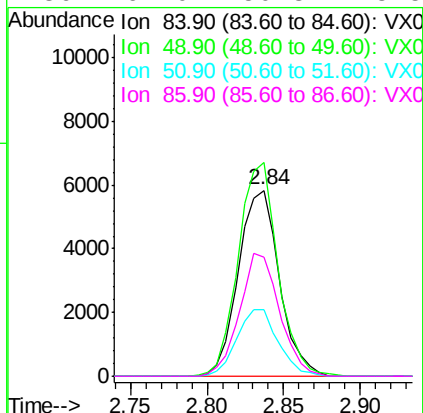
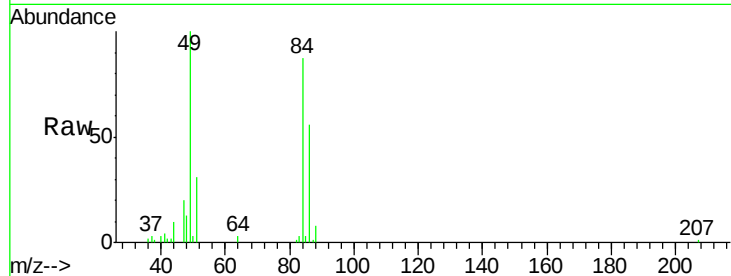




#20  
Methvlene Chloride  
Concen: 1.507 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.01 min  
Lab File: VX019790.D  
Acq: 09 Dec 2020 19:40

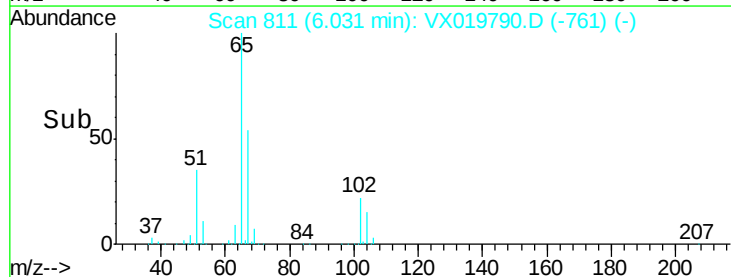
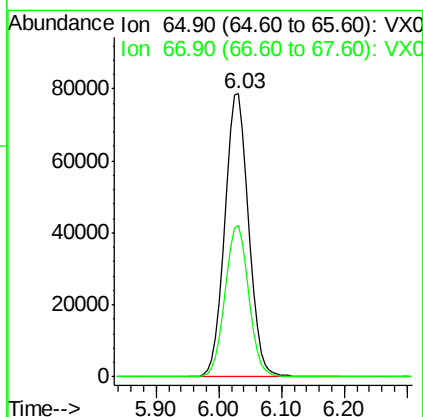
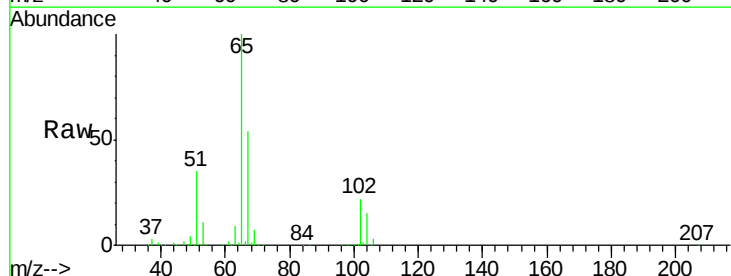
Instrument :  
MSVOA\_X  
ClientSampleId :  
5S2-B-BOTTOM

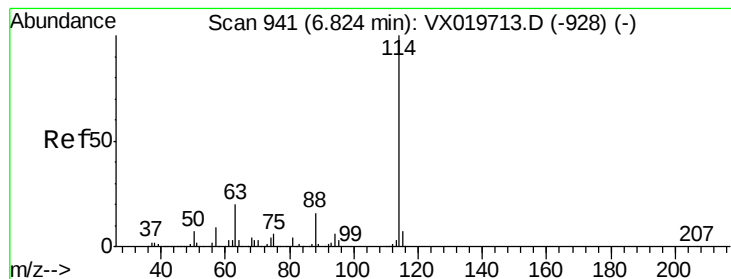
Tot Ion: 84 Resp: 10864  
Ion Ratio Lower Upper  
84 100  
49 114.7 88.6 132.8  
51 36.0 27.0 40.6  
86 64.0 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 47.222 ug/l  
RT: 6.03 min Scan# 811  
Delta R.T. 0.01 min  
Lab File: VX019790.D  
Acq: 09 Dec 2020 19:40

Tgt Ion: 65 Resp: 207159  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

Instrument :

MSVOA\_X

ClientSampleId :

5S2-B-BOTTOM

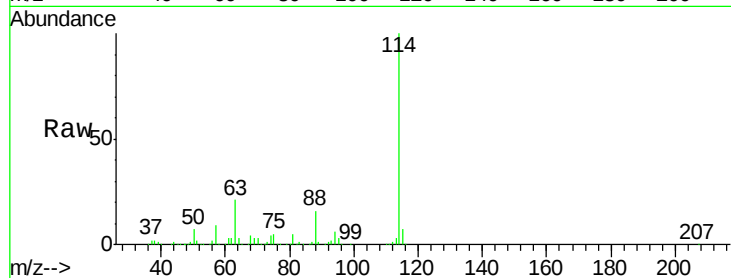
Tot Ion:114 Resp: 547609

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

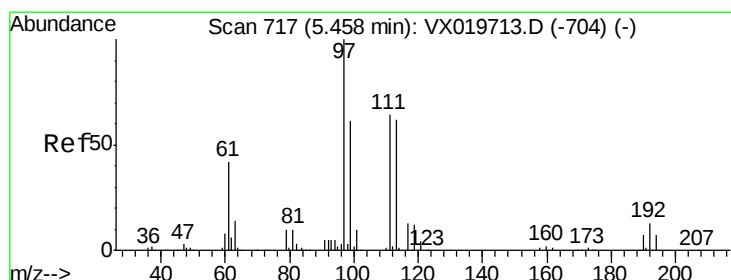
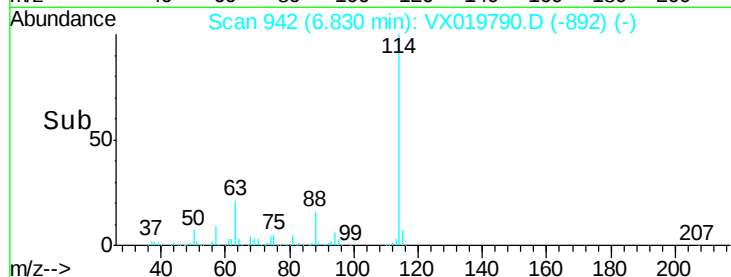
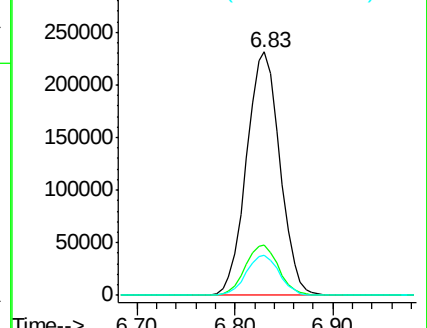
88 16.3 0.0 32.8



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: 47.361 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

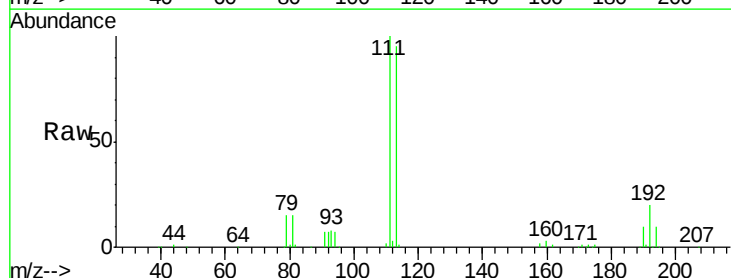
Tgt Ion:113 Resp: 167617

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

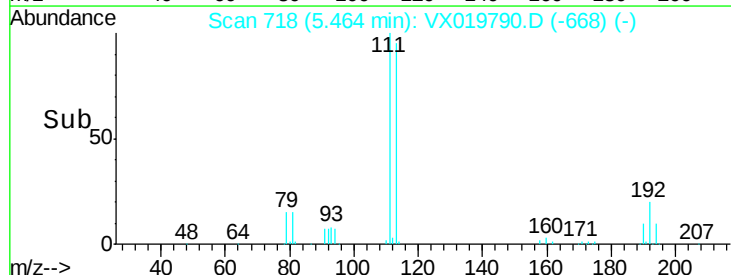
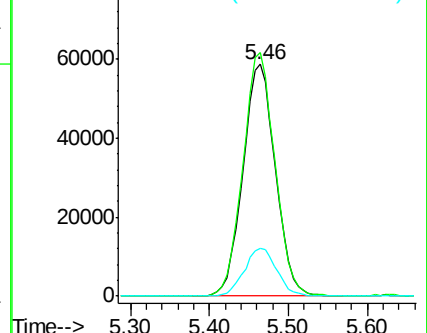
192 20.7 16.7 25.1

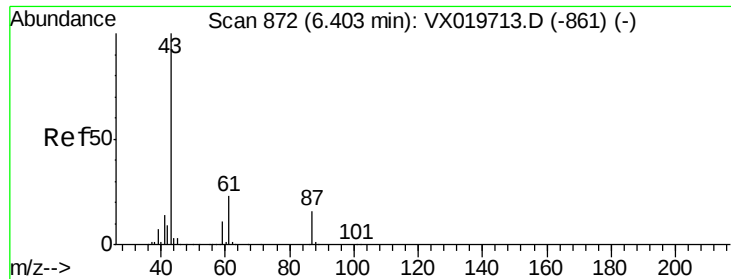


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.382 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

Instrument :

MSVOA\_X

ClientSampled :

5S2-B-BOTTOM

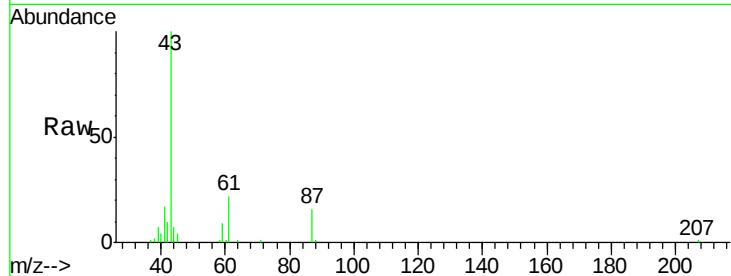
Tot Ion: 43 Resp: 27470

Ion Ratio Lower Upper

43 100

61 22.1 18.2 27.4

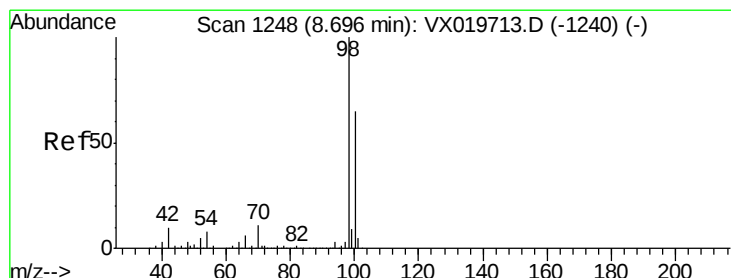
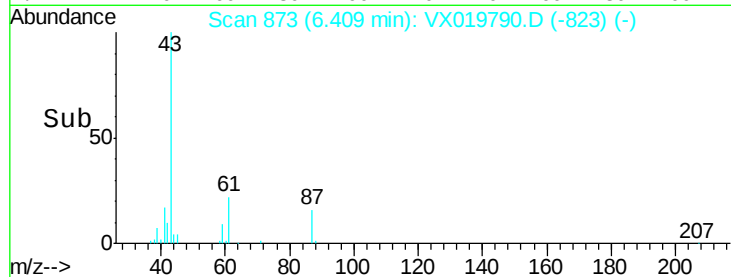
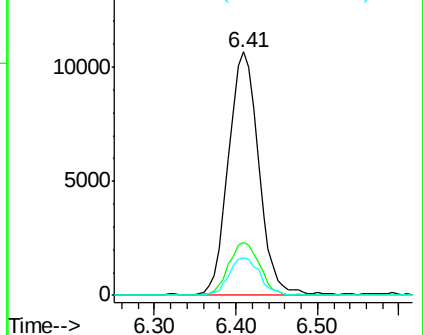
87 15.4 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 49.566 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019790.D

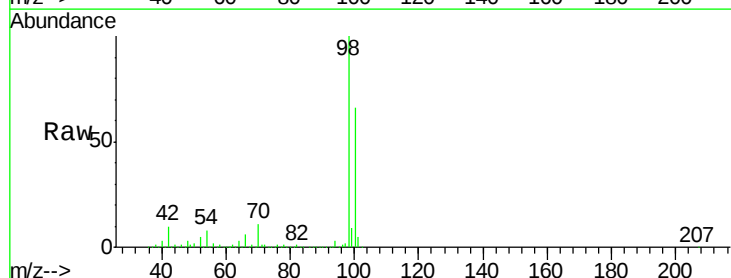
Acq: 09 Dec 2020 19:40

Tgt Ion: 98 Resp: 669708

Ion Ratio Lower Upper

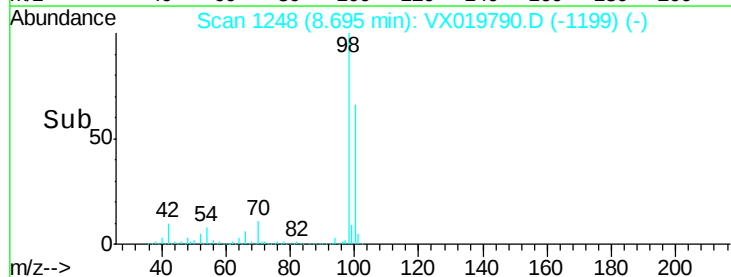
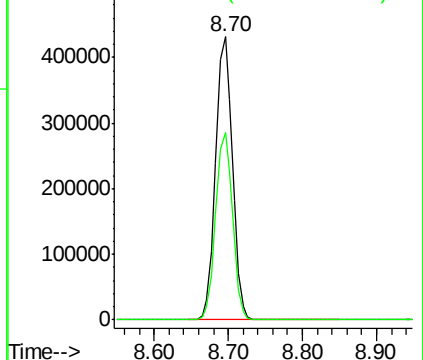
98 100

100 66.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.249 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

Instrument :

MSVOA\_X

ClientSampleId :

5S2-B-BOTTOM

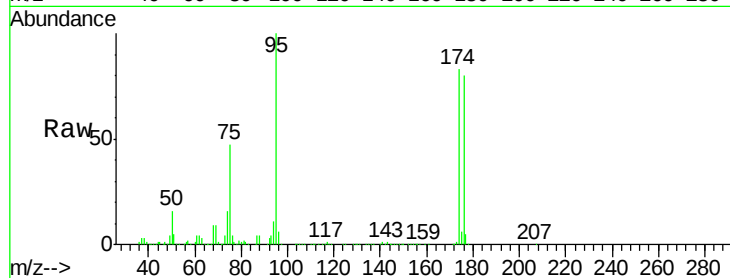
Tot Ion: 95 Resp: 232699

Ion Ratio Lower Upper

95 100

174 80.1 0.0 154.6

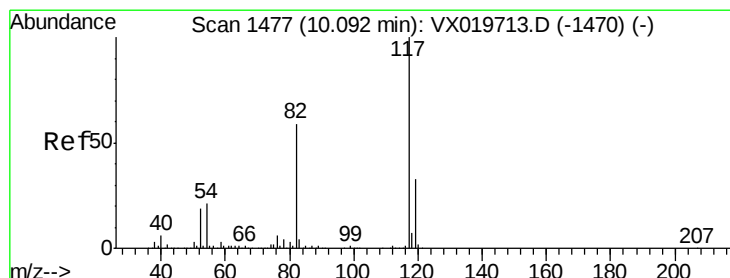
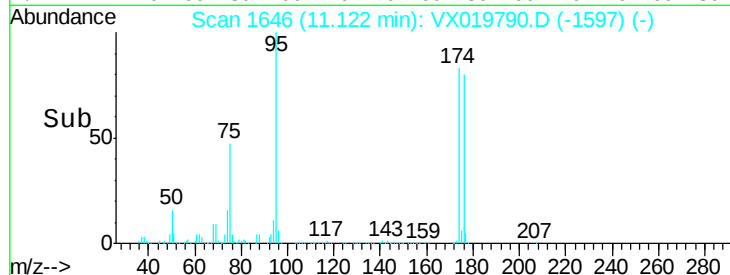
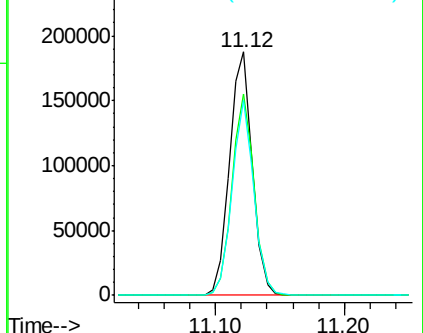
176 76.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

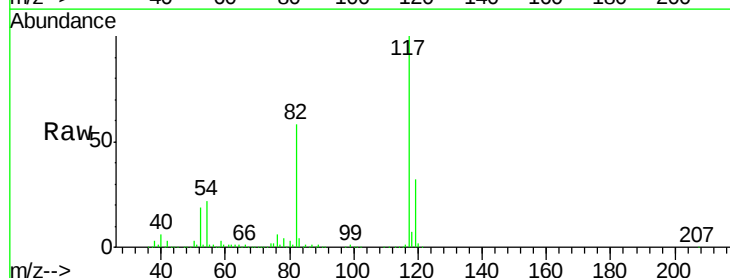
Tgt Ion: 117 Resp: 497862

Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.2

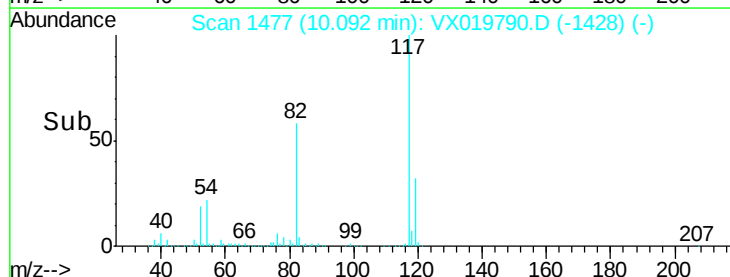
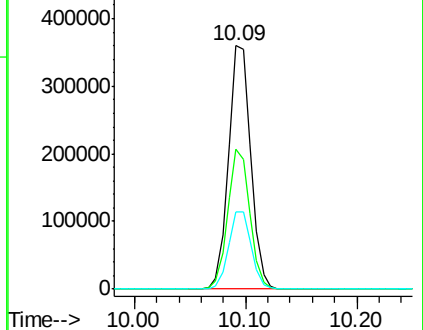
119 31.6 26.6 39.8

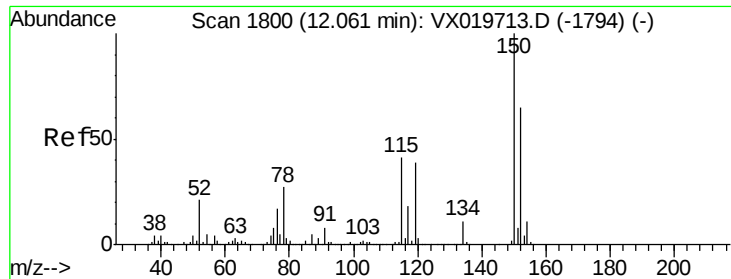


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019790.D

Acq: 09 Dec 2020 19:40

Instrument :

MSVOA\_X

ClientSampleId :

5S2-B-BOTTOM

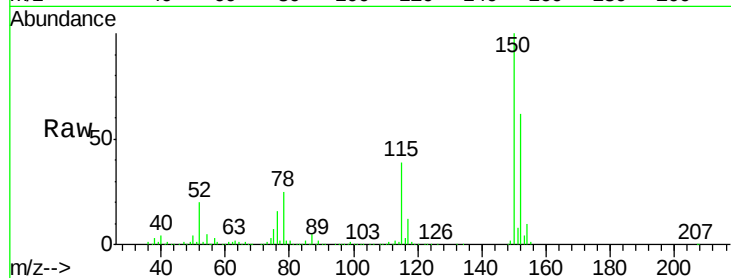
Tot Ion:152 Resp: 217999

Ion Ratio Lower Upper

152 100

115 60.2 41.1 123.3

150 155.0 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

