

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\  
 Data File : VX019788.D  
 Acq On : 09 Dec 2020 18:54  
 Operator : JC/MD  
 Sample : L4971-17  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 10 06:24:30 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  | 318466   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 542391   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 500586   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 217929   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |                |     |          |       |        |      |
|-----------------------------|----------------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03           | 65  | 204224   | 48.79 | ug/l   | 0.00 |
| Spiked Amount 50.000        | Range 61 - 141 |     | Recovery | =     | 97.58% |      |
| 35) Dibromofluoromethane    | 5.46           | 113 | 167212   | 47.70 | ug/l   | 0.00 |
| Spiked Amount 50.000        | Range 69 - 133 |     | Recovery | =     | 95.40% |      |
| 50) Toluene-d8              | 8.70           | 98  | 663686   | 49.59 | ug/l   | 0.00 |
| Spiked Amount 50.000        | Range 65 - 126 |     | Recovery | =     | 99.18% |      |
| 62) 4-Bromofluorobenzene    | 11.12          | 95  | 232698   | 45.68 | ug/l   | 0.00 |
| Spiked Amount 50.000        | Range 58 - 135 |     | Recovery | =     | 91.36% |      |

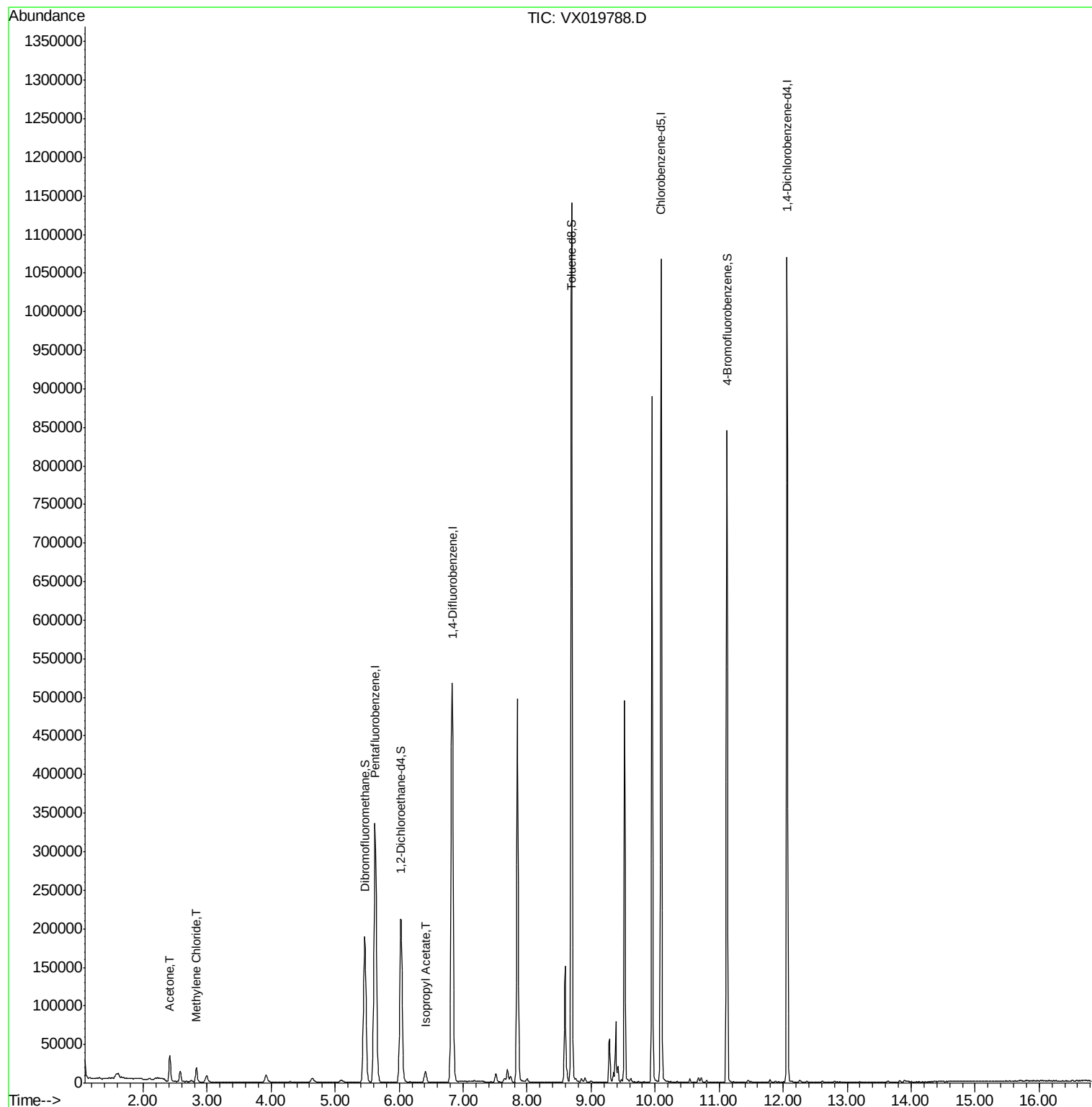
| Target Compounds       |      |    |       |             | Qvalue |
|------------------------|------|----|-------|-------------|--------|
| 16) Acetone            | 2.42 | 43 | 34836 | 22.143 ug/l | 97     |
| 20) Methylene Chloride | 2.83 | 84 | 8646  | 1.014 ug/l  | 99     |
| 43) Isopropyl Acetate  | 6.41 | 43 | 18850 | 2.343 ug/l  | 99     |

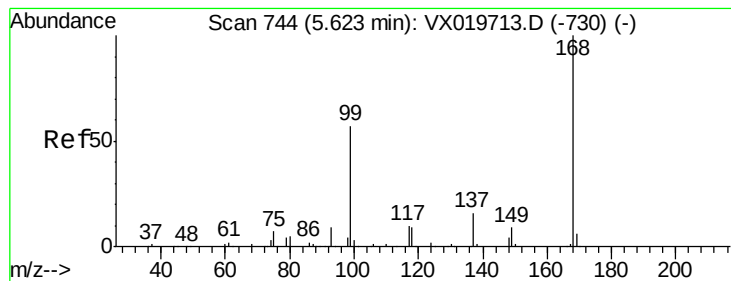
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Dec 10 06:24:30 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: VX019788.D

Acq: 09 Dec 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

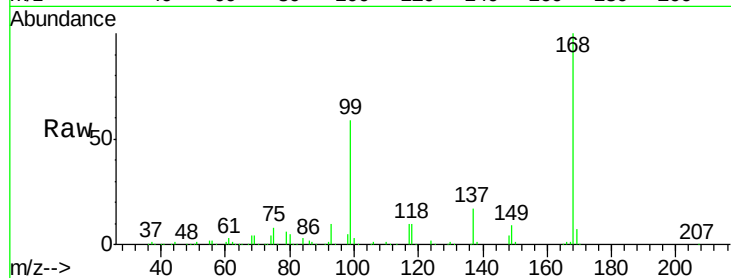
5S2-B-TOP

Tot Ion:168 Resp: 318466

Ion Ratio Lower Upper

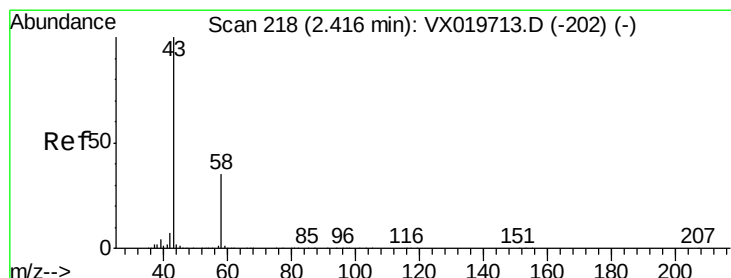
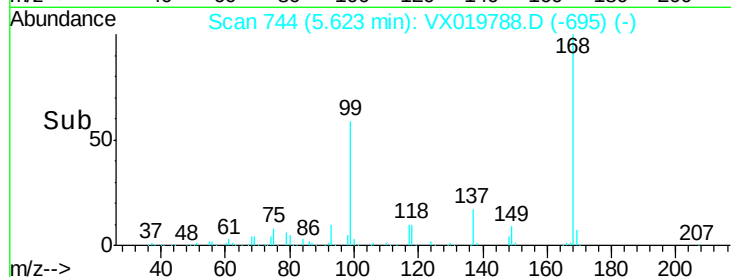
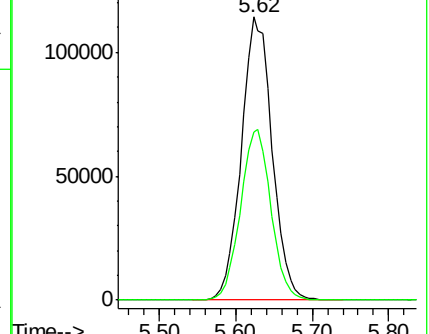
168 100

99 59.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 22.143 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019788.D

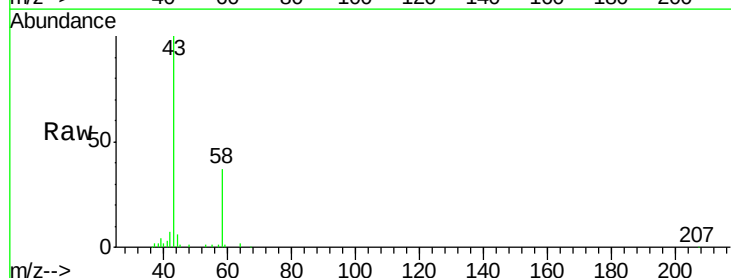
Acq: 09 Dec 2020 18:54

Tgt Ion: 43 Resp: 34836

Ion Ratio Lower Upper

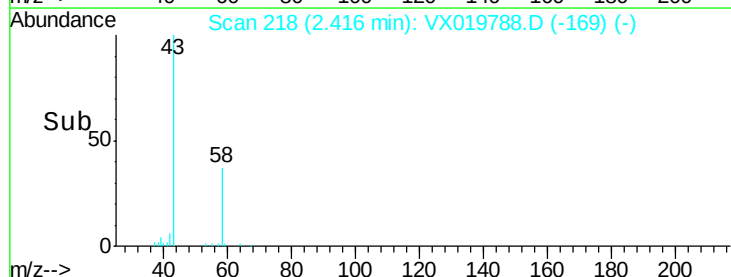
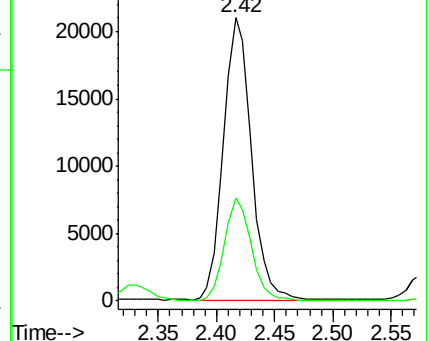
43 100

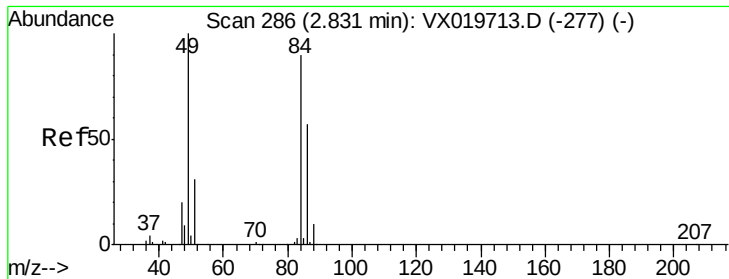
58 36.7 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

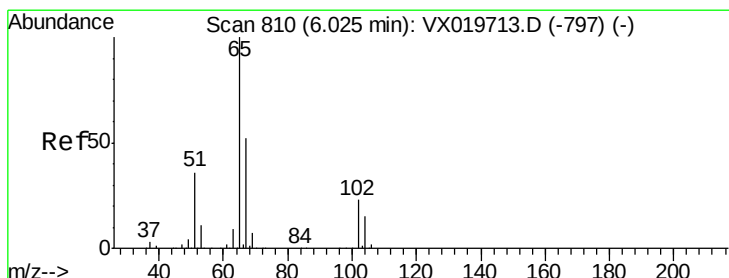
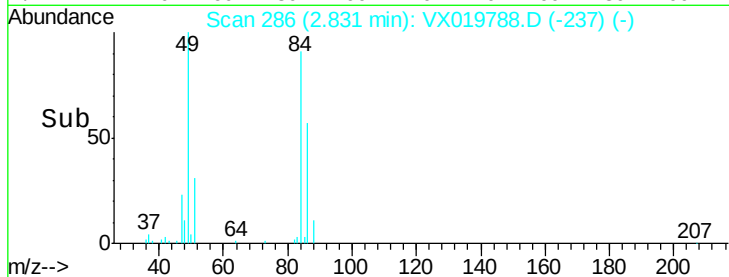
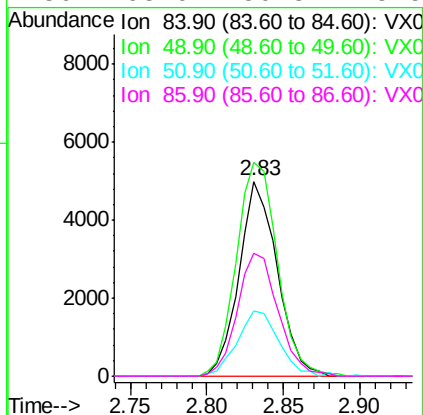
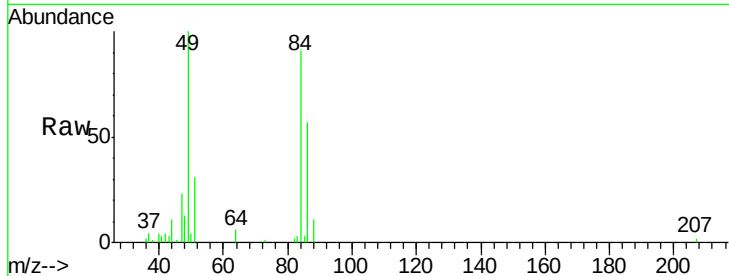




#20  
Methylene Chloride  
Concen: 1.014 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. 0.00 min  
Lab File: VX019788.D  
Acq: 09 Dec 2020 18:54

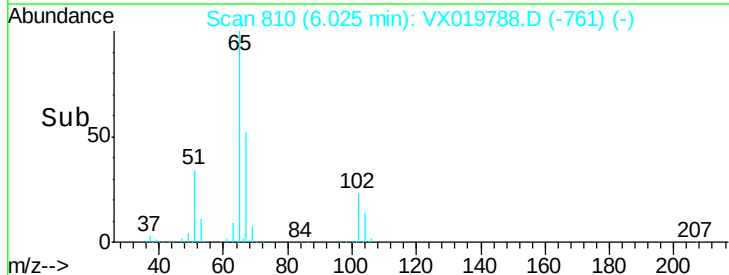
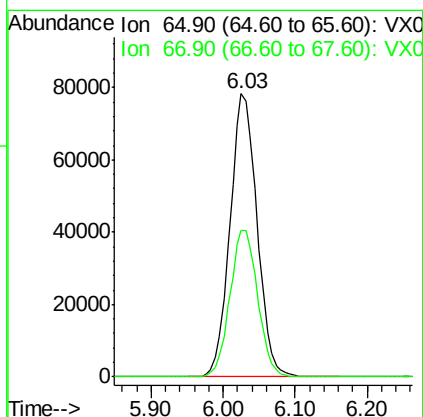
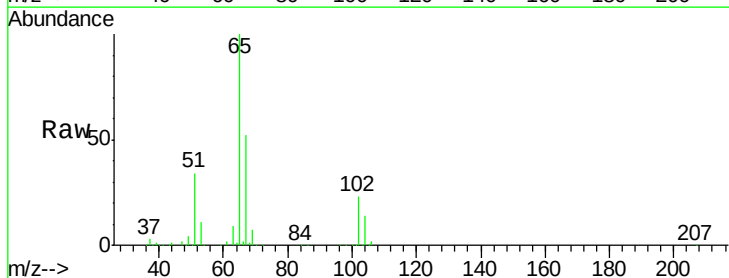
Instrument :  
MSVOA\_X  
ClientSampled :  
5S2-B-TOP

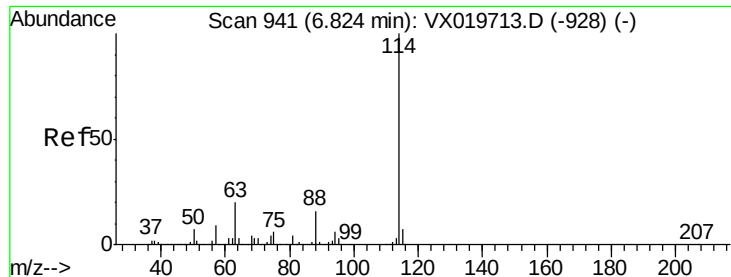
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 8646  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.7 | 88.6  | 132.8 |
| 51       | 33.8  | 27.0  | 40.6  |
| 86       | 63.0  | 50.3  | 75.5  |



#33  
1,2-Dichloroethane-d4  
Concen: 48.792 ug/l  
RT: 6.03 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: VX019788.D  
Acq: 09 Dec 2020 18:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 204224 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.3  | 0.0   | 105.4  |

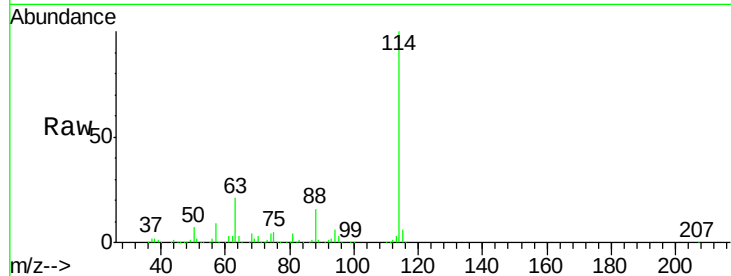




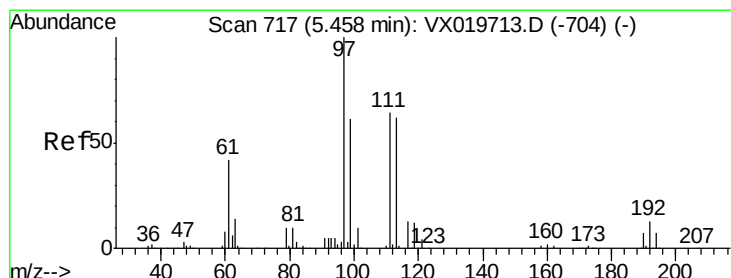
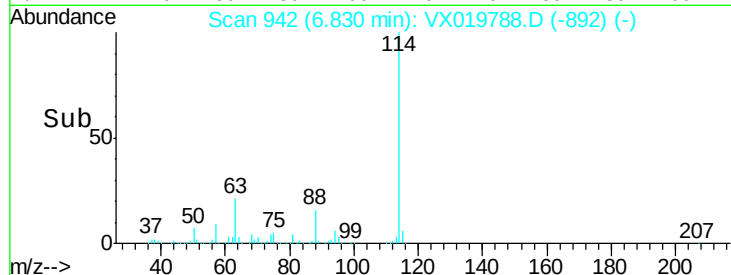
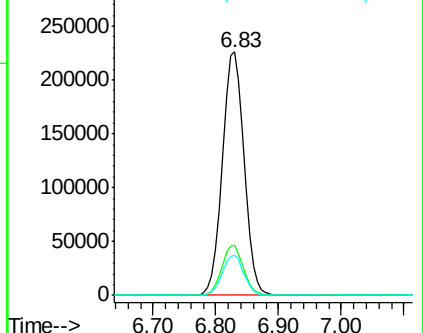
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.01 min  
 Lab File: VX019788.D  
 Acq: 09 Dec 2020 18:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.5  | 0.0   | 40.8  |
| 88      | 16.4  | 0.0   | 32.8  |

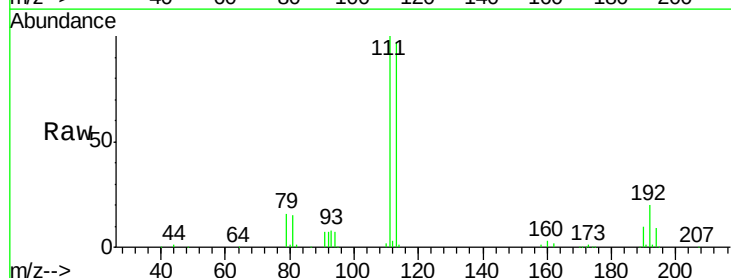


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

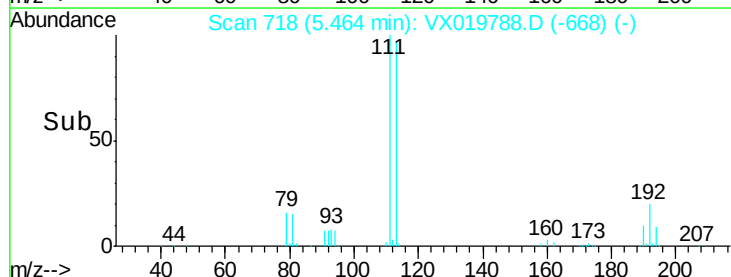
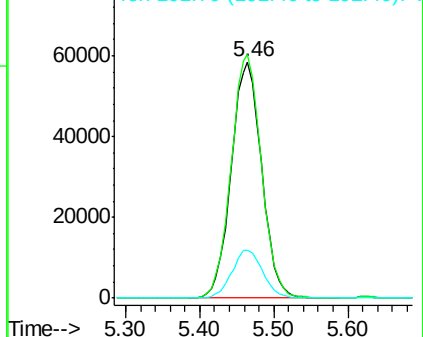


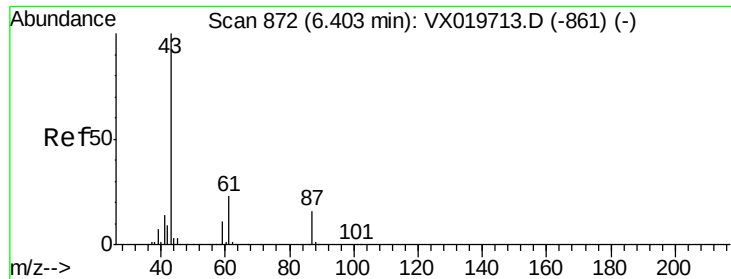
#35  
 Dibromofluoromethane  
 Concen: 47.701 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. 0.01 min  
 Lab File: VX019788.D  
 Acq: 09 Dec 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 81.9  | 122.9 |
| 192     | 20.6  | 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: 2.343 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019788.D

Acq: 09 Dec 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

5S2-B-TOP

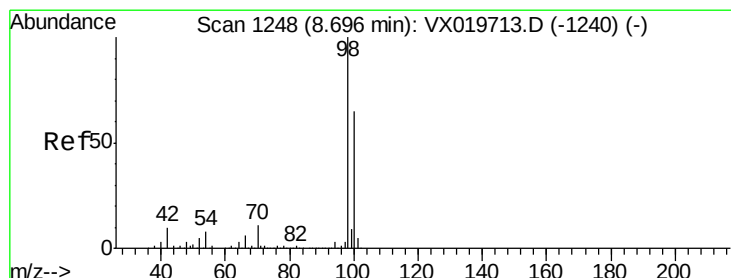
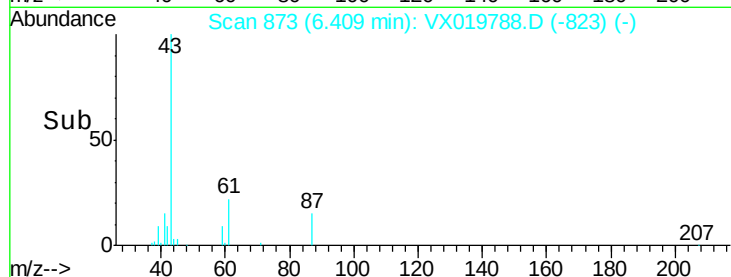
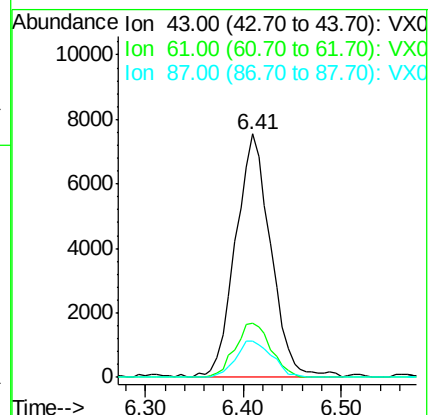
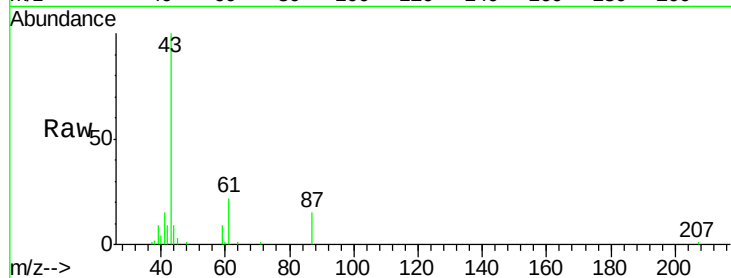
Tot Ion: 43 Resp: 18850

Ion Ratio Lower Upper

43 100

61 22.5 18.2 27.4

87 15.4 12.5 18.7



#50

Toluene-d8

Concen: 49.593 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019788.D

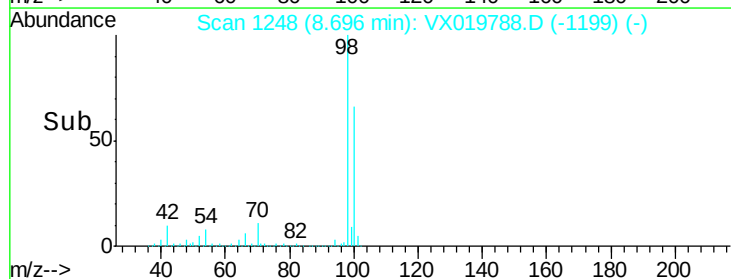
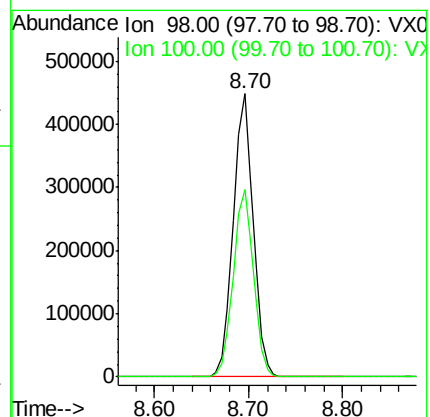
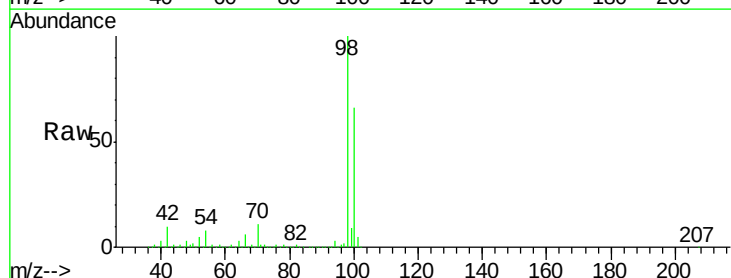
Acq: 09 Dec 2020 18:54

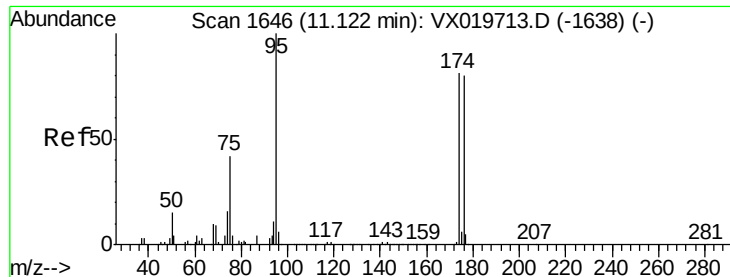
Tgt Ion: 98 Resp: 663686

Ion Ratio Lower Upper

98 100

100 66.6 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 45.684 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019788.D

Acq: 09 Dec 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

5S2-B-TOP

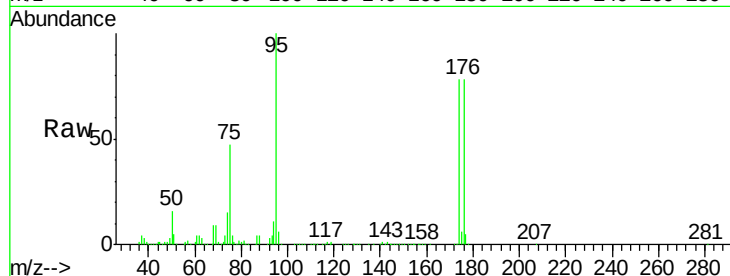
Tot Ion: 95 Resp: 232698

Ion Ratio Lower Upper

95 100

174 77.5 0.0 154.6

176 75.7 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) (-)

11.12

150000

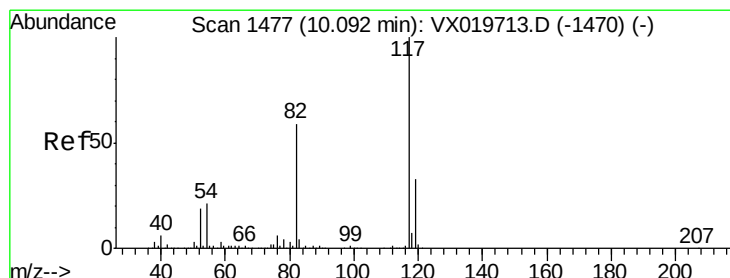
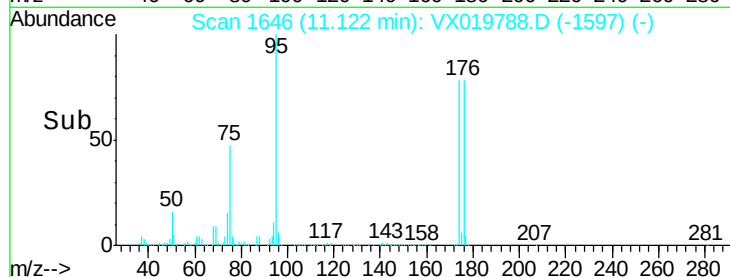
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX019788.D

Acq: 09 Dec 2020 18:54

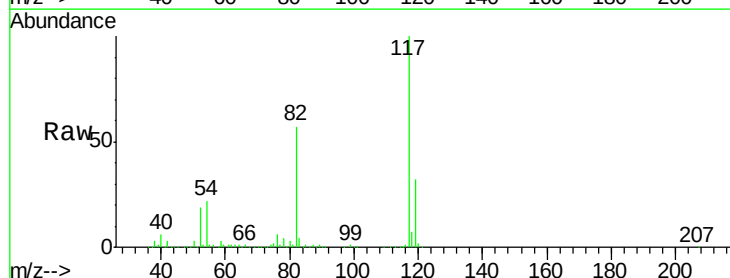
Tgt Ion: 117 Resp: 500586

Ion Ratio Lower Upper

117 100

82 57.3 47.4 71.2

119 32.5 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) (-)

10.09

400000

300000

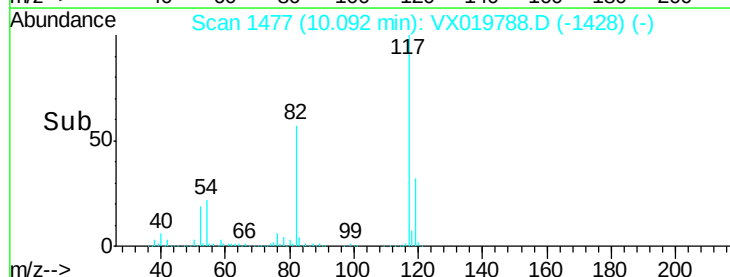
200000

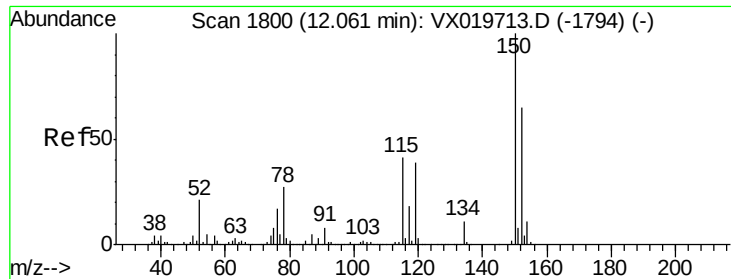
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019788.D

Acq: 09 Dec 2020 18:54

Instrument :

MSVOA\_X

ClientSampleId :

5S2-B-TOP

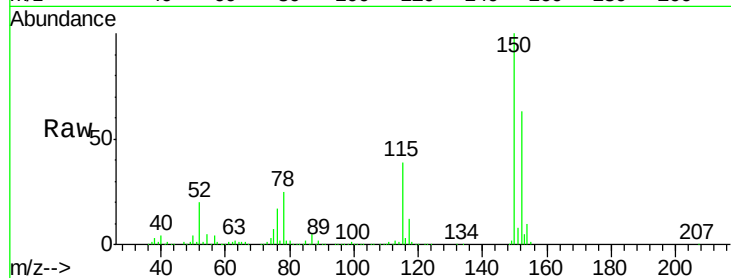
Tot Ion:152 Resp: 217929

Ion Ratio Lower Upper

152 100

115 59.9 41.1 123.3

150 156.5 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

