

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\  
 Data File : VX018866.D  
 Acq On : 09 Oct 2020 19:39  
 Operator : JC/SP  
 Sample : L4317-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 10 07:00:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100920W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 10 06:09:09 2020  
 Response via : Initial Calibration

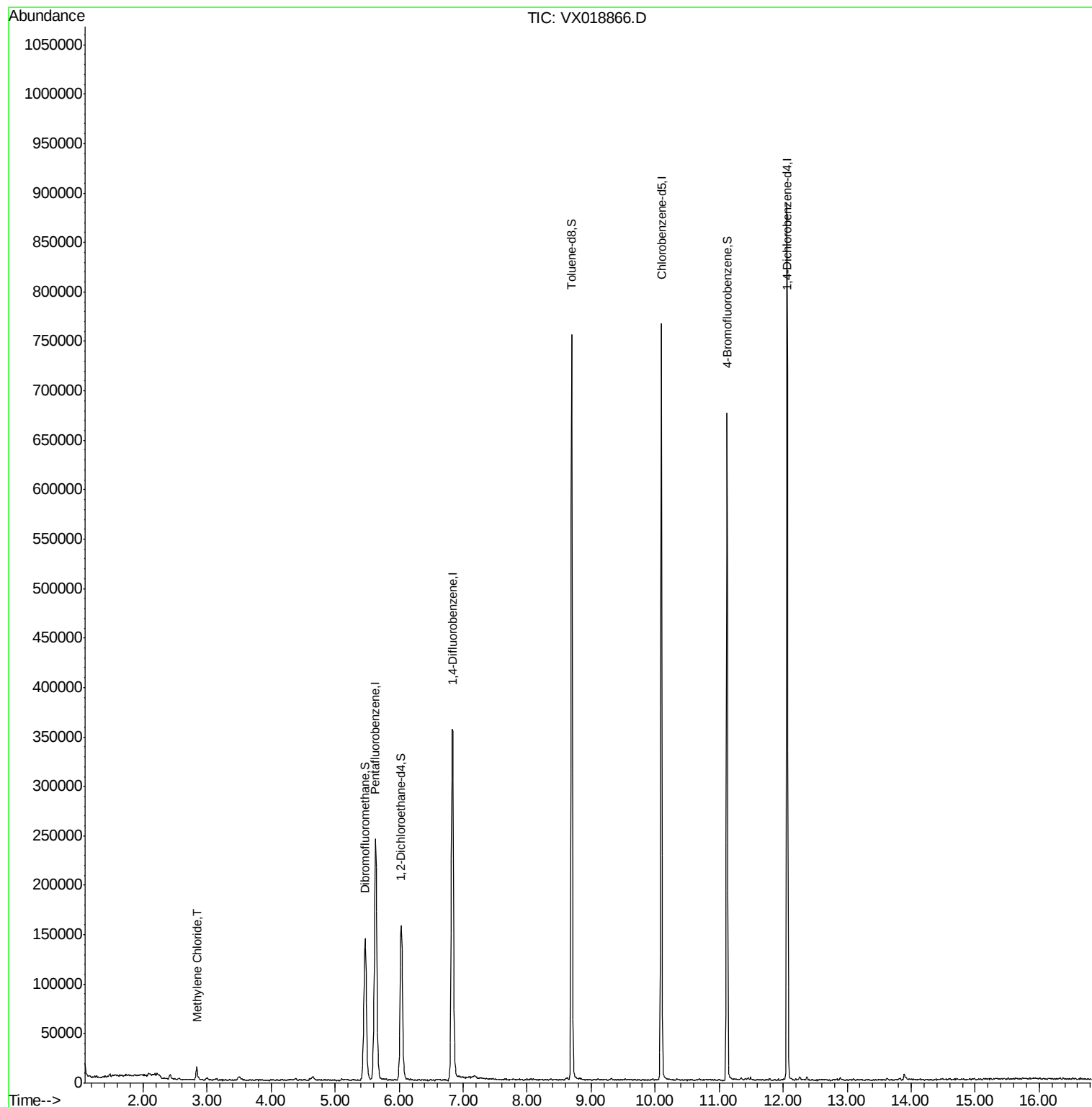
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64   | 168  | 213478   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84   | 114  | 348589   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10  | 117  | 336115   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06  | 152  | 176739   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65   | 163733   | 52.00 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 104.00% |          |
| 35) Dibromofluoromethane    | 5.46   | 113  | 123310   | 49.64 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 99.28%  |          |
| 50) Toluene-d8              | 8.70   | 98   | 426128   | 49.45 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.90%  |          |
| 62) 4-Bromofluorobenzene    | 11.12  | 95   | 165062   | 48.06 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.12%  |          |
| Target Compounds            |        |      |          |       |         |          |
| 20) Methylene Chloride      | 2.84   | 84   | 6064     | 3.177 | ug/l #  | 88       |

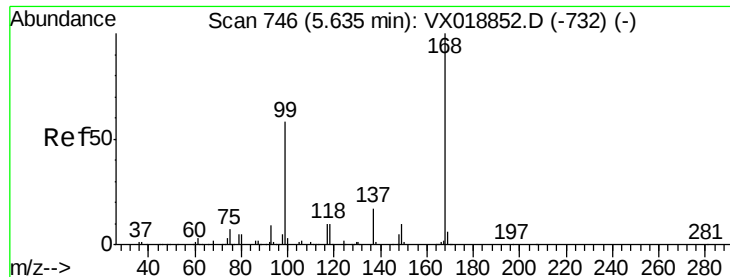
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X100920W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 10 06:09:09 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: VX018866.D

Acq: 09 Oct 2020 19:39

Instrument :

MSVOA\_X

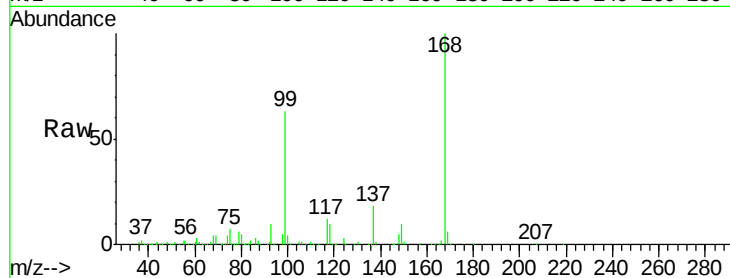
ClientSampleId :

Tot Ion:168 Resp: 213478

Ion Ratio Lower Upper

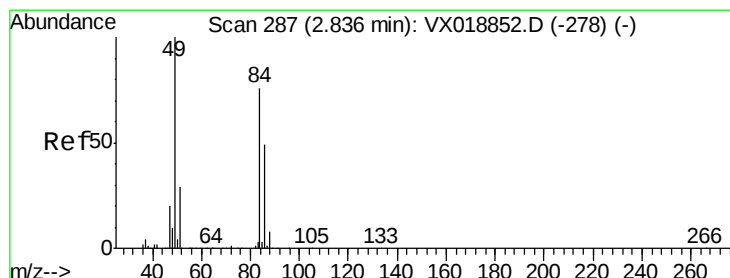
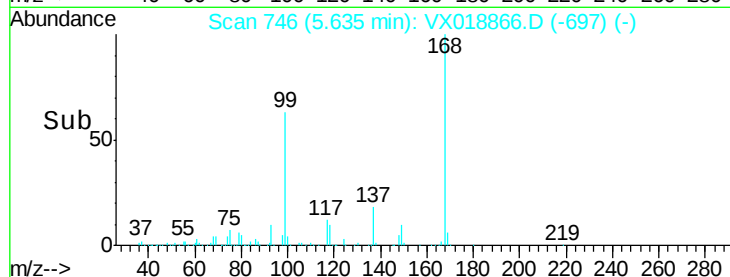
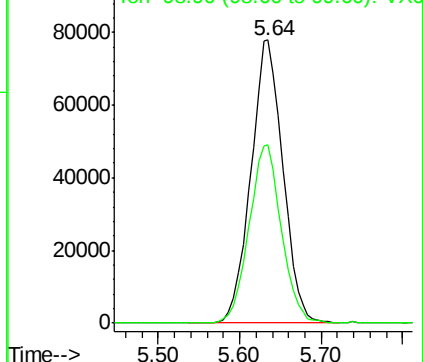
168 100

99 62.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#20

Methylene Chloride

Concen: 3.177 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018866.D

Acq: 09 Oct 2020 19:39

Tgt Ion: 84 Resp: 6064

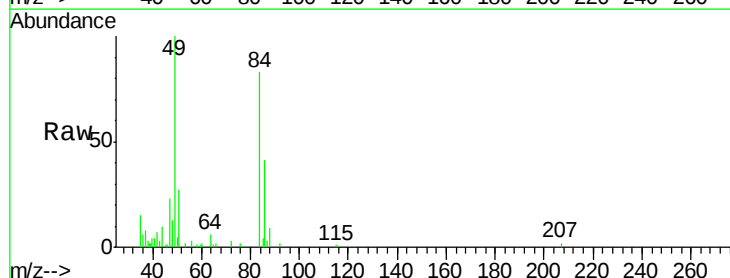
Ion Ratio Lower Upper

84 100

49 119.9 104.8 157.2

51 32.4 30.6 46.0

86 48.8 50.8 76.2#

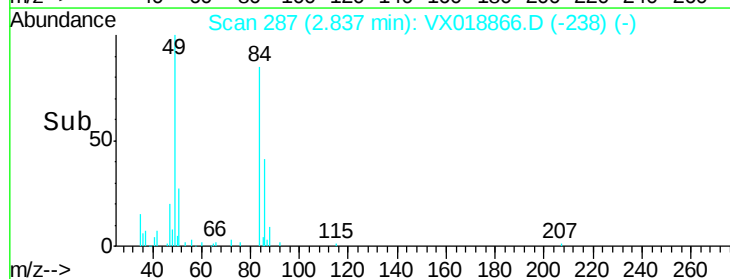
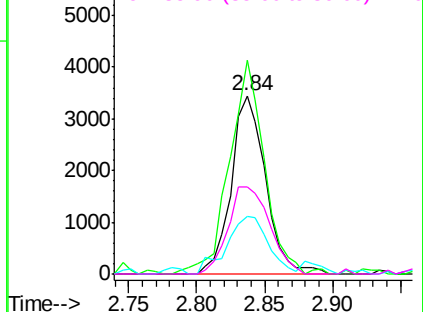


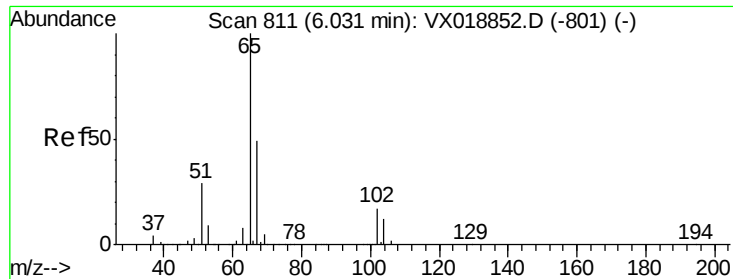
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

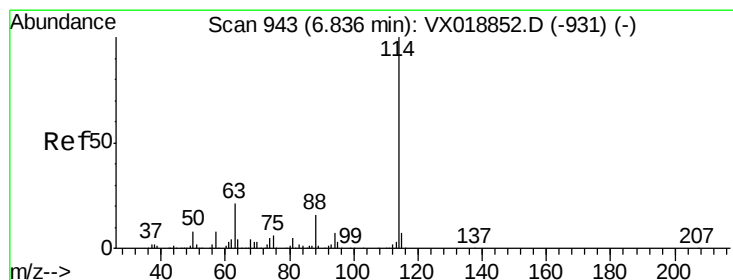
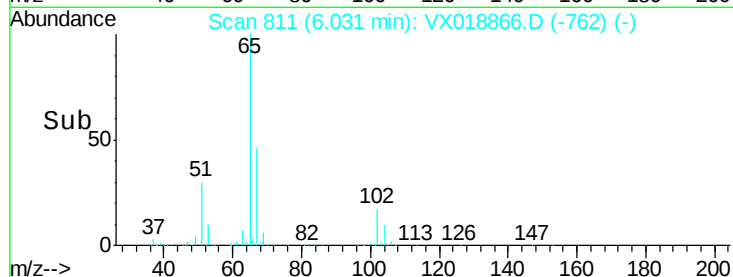
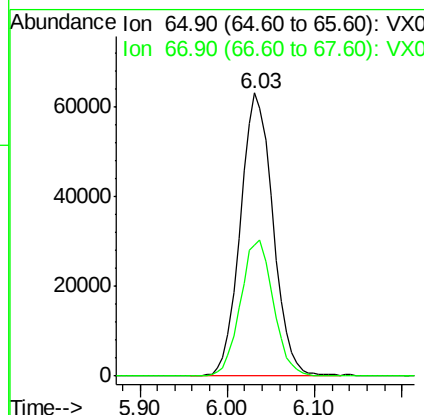
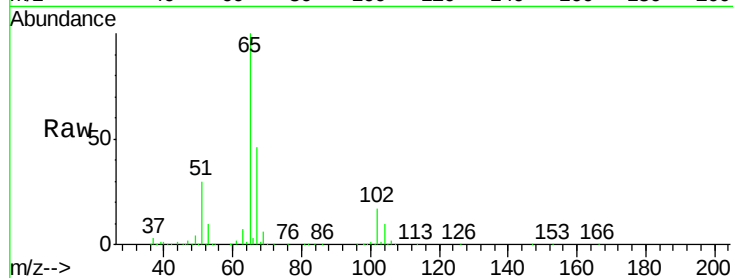




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.002 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX018866.D  
 Acq: 09 Oct 2020 19:39

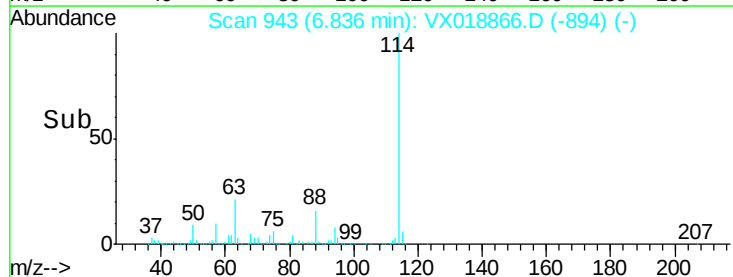
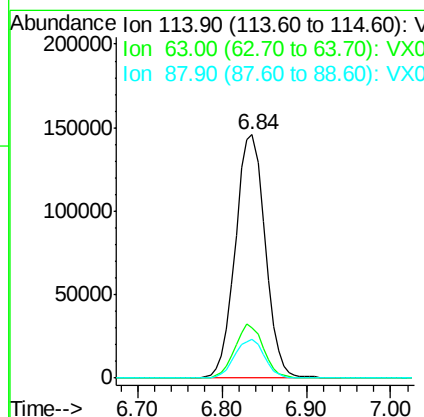
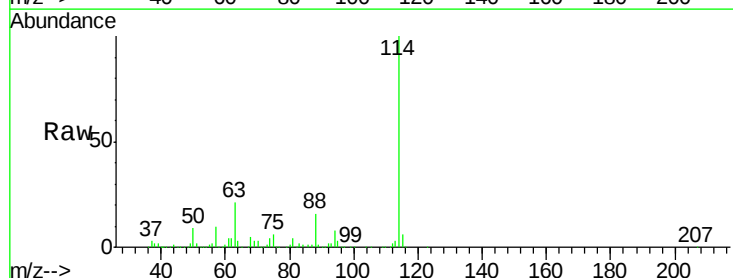
Instrument :  
 MSVOA\_X  
 ClientSampleId :

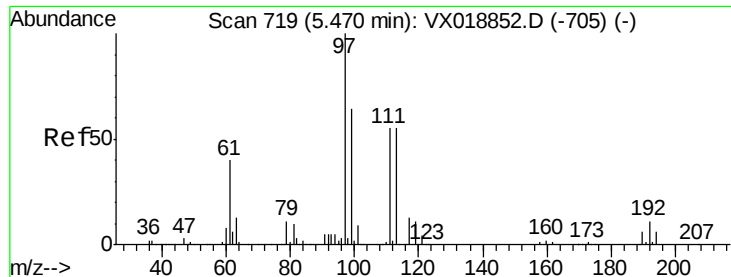
Tot Ion: 65 Resp: 163733  
 Ion Ratio Lower Upper  
 65 100  
 67 48.7 0.0 97.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: VX018866.D  
 Acq: 09 Oct 2020 19:39

Tgt Ion: 114 Resp: 348589  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 42.4  
 88 15.8 0.0 32.6

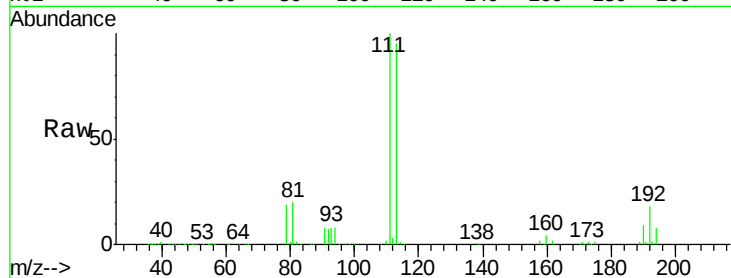




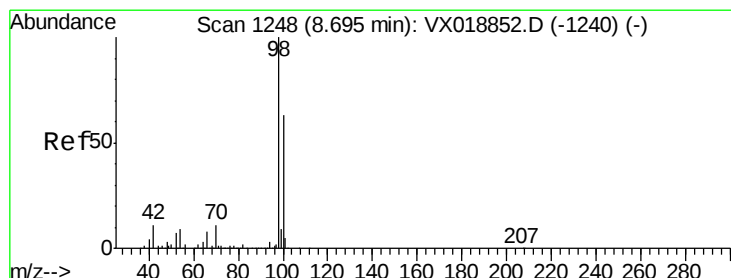
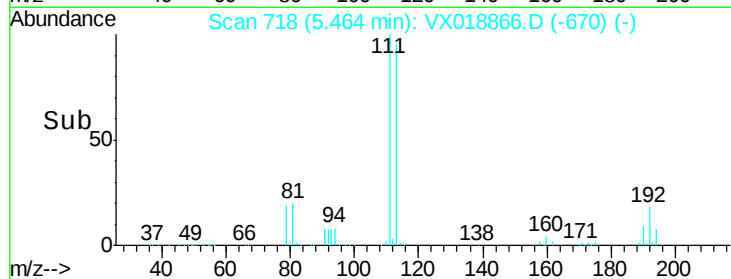
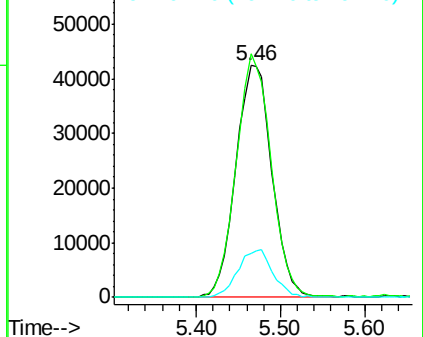
#35  
 Dibromofluoromethane  
 Concen: 49.636 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX018866.D  
 Acq: 09 Oct 2020 19:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 80.1  | 120.1 |
| 192     | 19.9  | 16.0  | 24.0  |

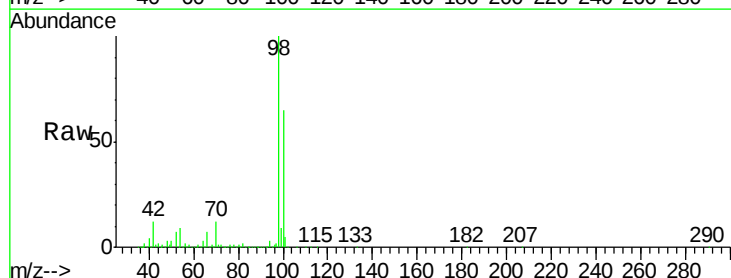


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

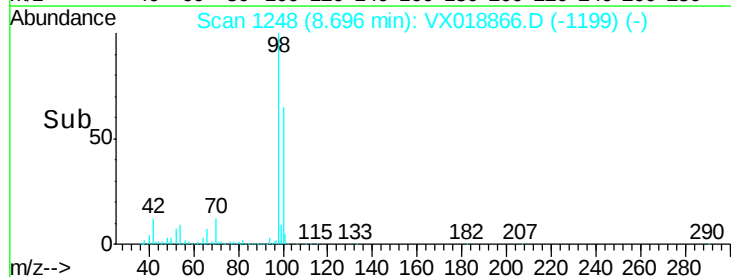
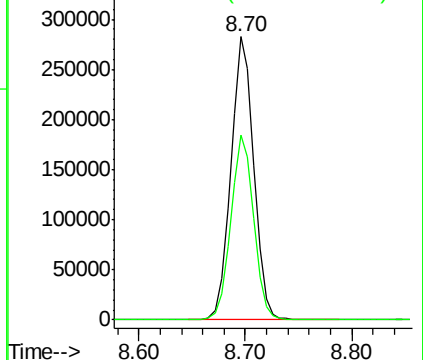


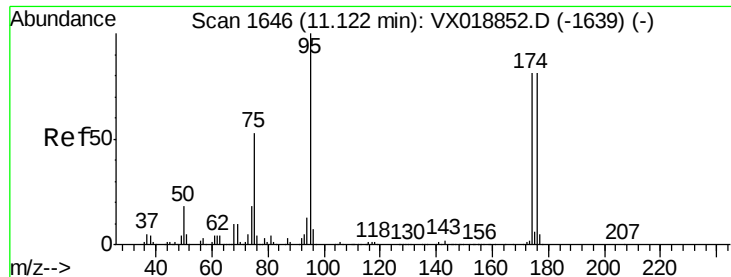
#50  
 Toluene-d8  
 Concen: 49.450 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. 0.00 min  
 Lab File: VX018866.D  
 Acq: 09 Oct 2020 19:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.1  | 53.1  | 79.7  |



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.060 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018866.D

Acq: 09 Oct 2020 19:39

Instrument :

MSVOA\_X

ClientSampleId :

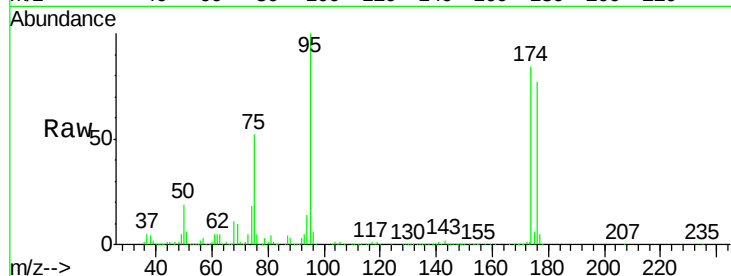
Tot Ion: 95 Resp: 165062

Ion Ratio Lower Upper

95 100

174 82.7 0.0 160.0

176 77.0 0.0 161.2

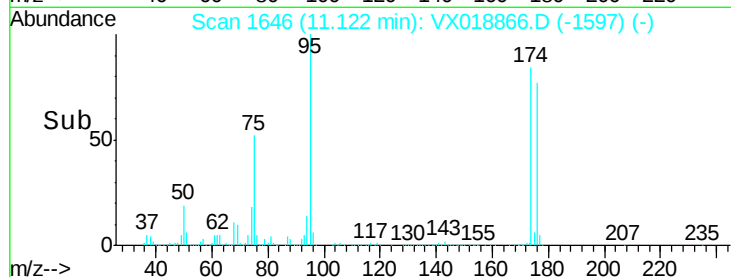


Abundance Ion 94.90 (94.60 to 95.60): VX018866.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018866.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018866.D (-1597) (-)

Time-->

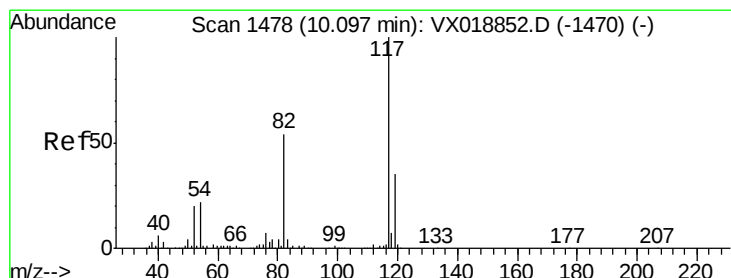


Abundance Ion 94.90 (94.60 to 95.60): VX018866.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018866.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018866.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018866.D

Acq: 09 Oct 2020 19:39

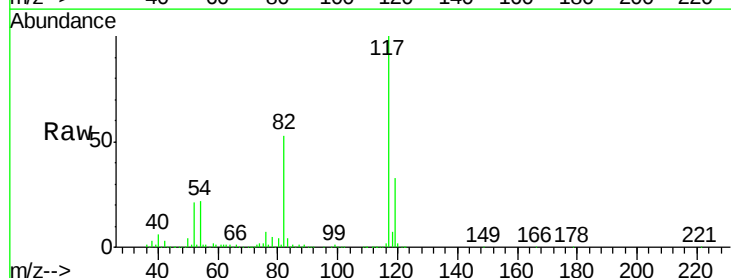
Tgt Ion: 117 Resp: 336115

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.2

119 32.5 28.3 42.5

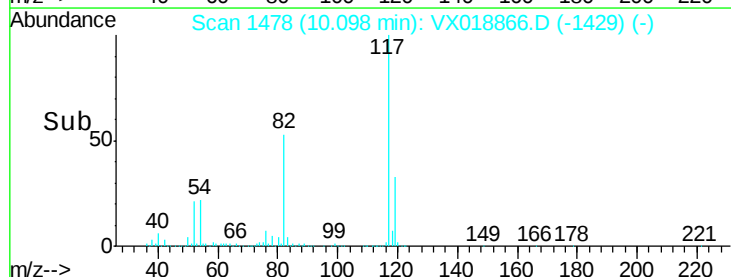


Abundance Ion 116.90 (116.60 to 117.60): VX018866.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018866.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018866.D (-1429) (-)

Time-->

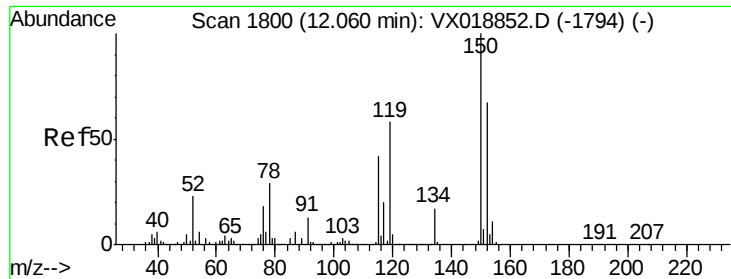


Abundance Ion 116.90 (116.60 to 117.60): VX018866.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018866.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018866.D (-1429) (-)

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: VX018866.D

Acq: 09 Oct 2020 19:39

Instrument :

MSVOA\_X

ClientSampleId :

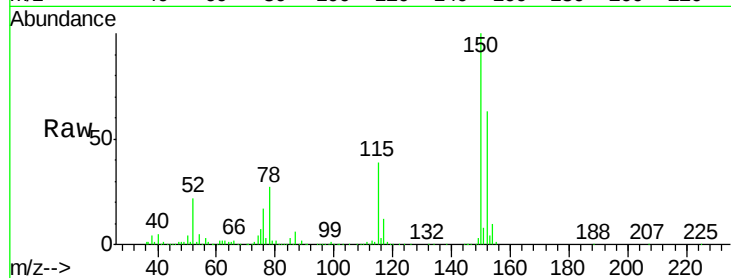
Tot Ion:152 Resp: 176739

Ion Ratio Lower Upper

152 100

115 58.9 41.8 125.4

150 154.4 0.0 347.6



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

