

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX071019\  
 Data File : VX010790.D  
 Acq On : 10 Jul 2019 20:16  
 Operator : JC/SP  
 Sample : K3626-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-070919-A

Quant Time: Jul 11 03:39:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

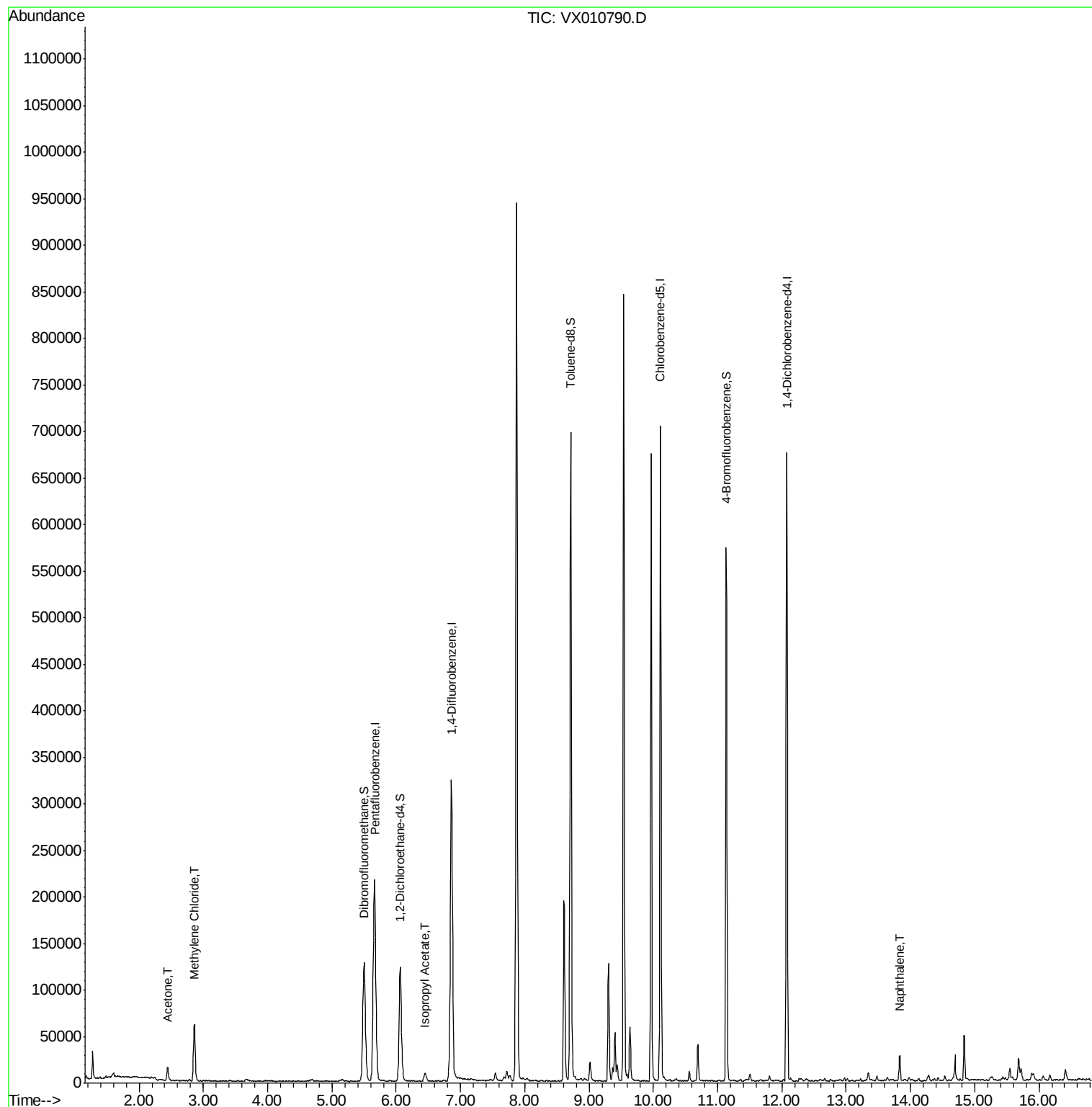
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 223194   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 346953   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 331255   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 150447   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 112140   | 53.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 106590   | 50.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.42% |          |
| 50) Toluene-d8              | 8.71  | 98   | 424516   | 52.27  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.54% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 142426   | 48.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 15875    | 15.137 | ug/l    | 98       |
| 20) Methylene Chloride      | 2.86  | 84   | 30078    | 13.936 | ug/l    | 93       |
| 43) Isopropyl Acetate       | 6.45  | 43   | 12083    | 2.575  | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 17826    | 1.693  | ug/l    | 100      |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-070919-A

Quant Time: Jul 11 03:39:13 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010790.D

Acq: 10 Jul 2019 20:16

Instrument :

MSVOA\_X

ClientSampleId :

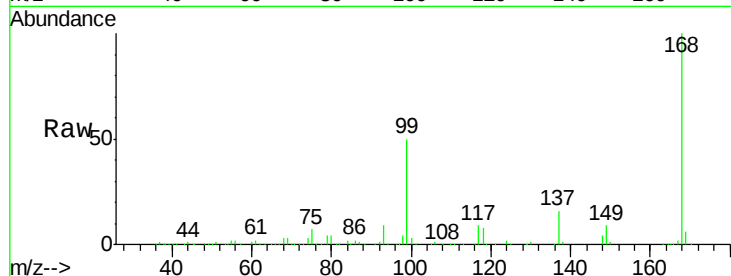
SU-02-070919-A

Tgt Ion:168 Resp: 223194

Ion Ratio Lower Upper

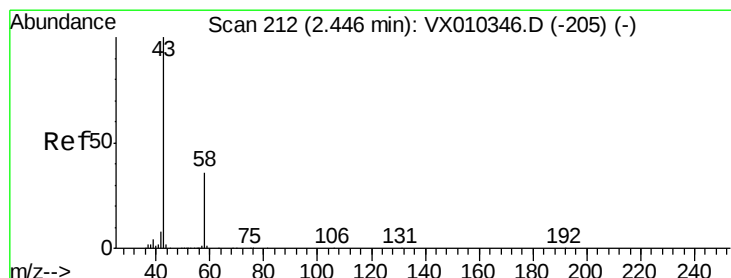
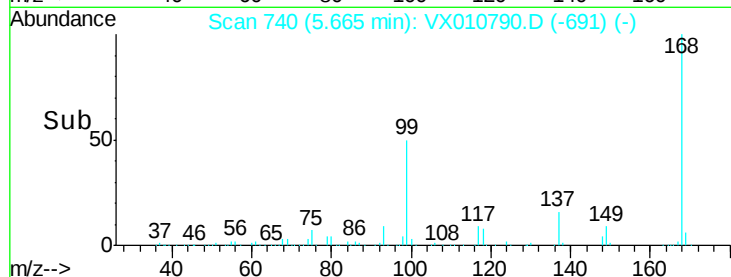
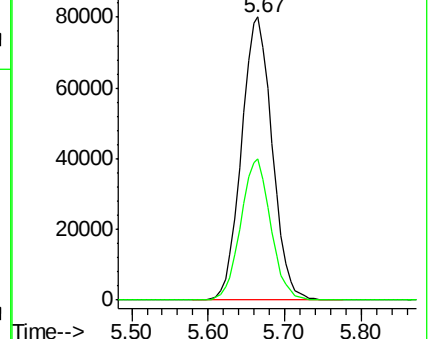
168 100

99 49.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 15.137 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010790.D

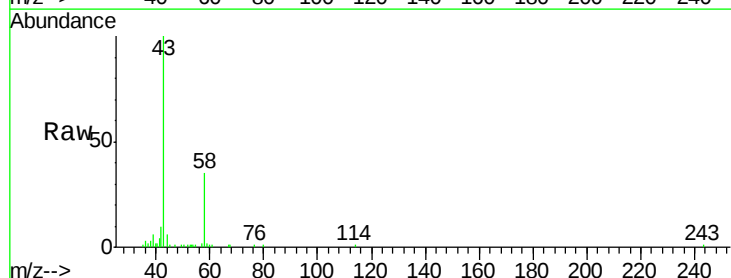
Acq: 10 Jul 2019 20:16

Tgt Ion: 43 Resp: 15875

Ion Ratio Lower Upper

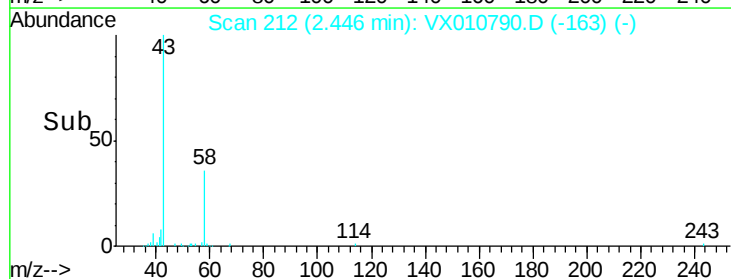
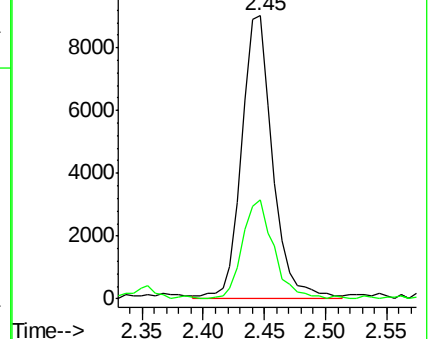
43 100

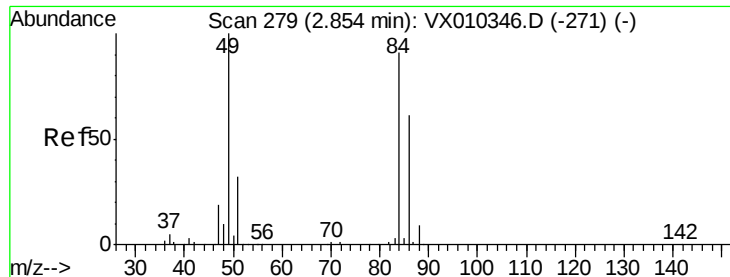
58 34.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

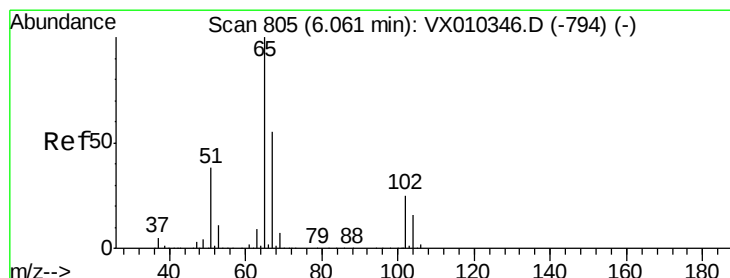
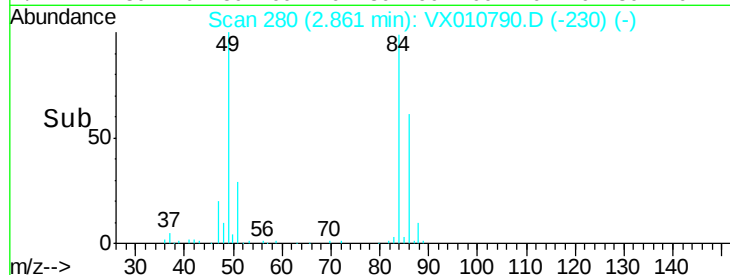
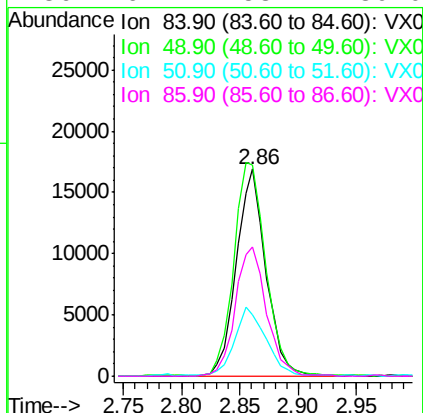
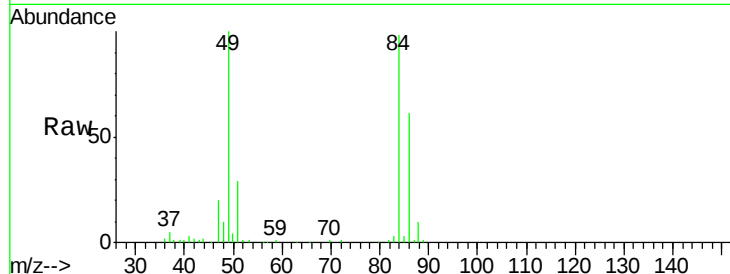




#20  
Methylene Chloride  
Concen: 13.936 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX010790.D  
Acq: 10 Jul 2019 20:16

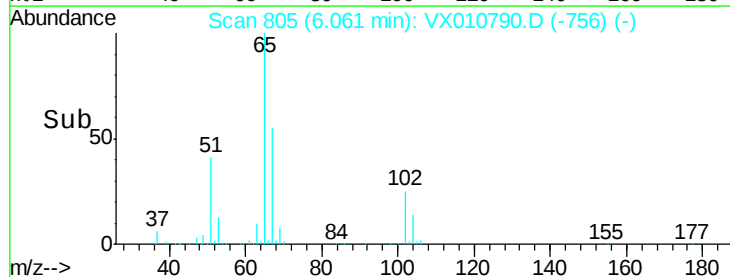
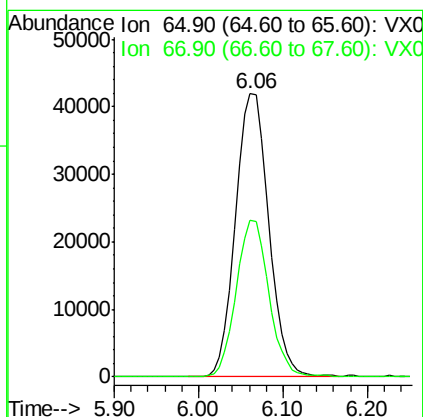
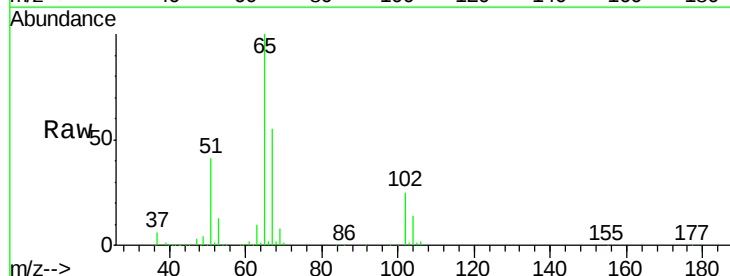
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-070919-A

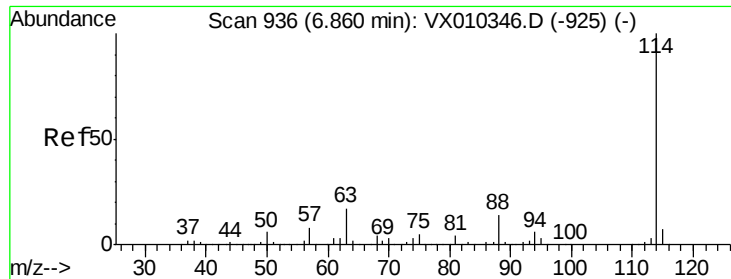
Tgt Ion: 84 Resp: 30078  
Ion Ratio Lower Upper  
84 100  
49 101.8 87.5 131.3  
51 29.7 27.7 41.5  
86 62.2 53.4 80.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.587 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX010790.D  
Acq: 10 Jul 2019 20:16

Tgt Ion: 65 Resp: 112140  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 110.2

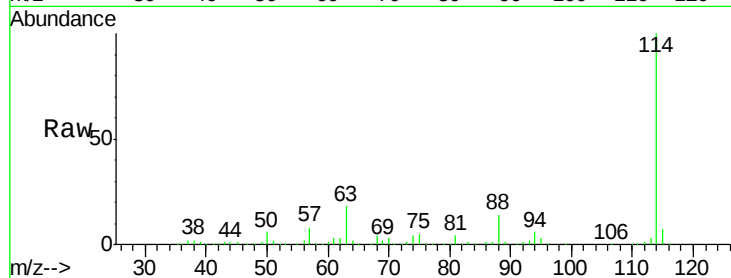




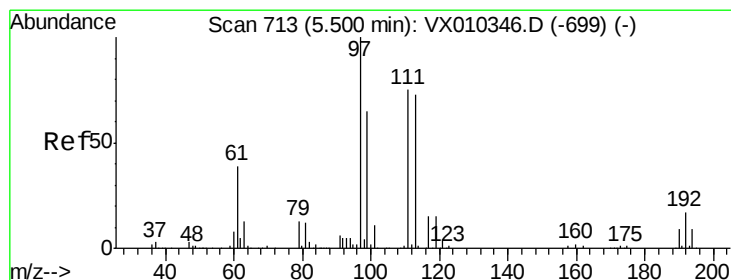
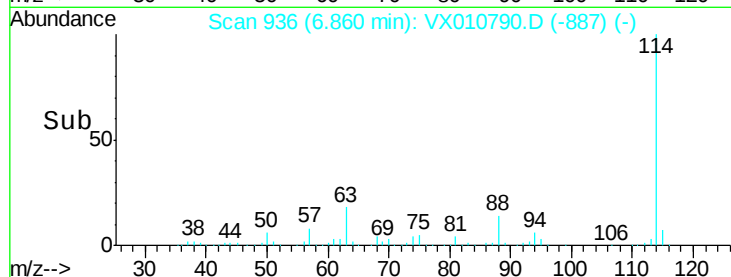
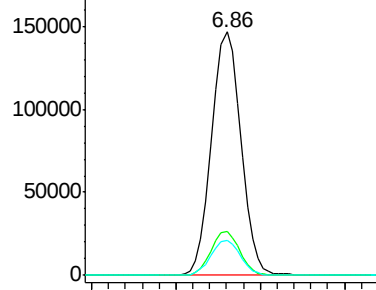
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010790.D  
 Acq: 10 Jul 2019 20:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-070919-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.8  | 0.0   | 33.8  |
| 88      | 14.4  | 0.0   | 27.6  |

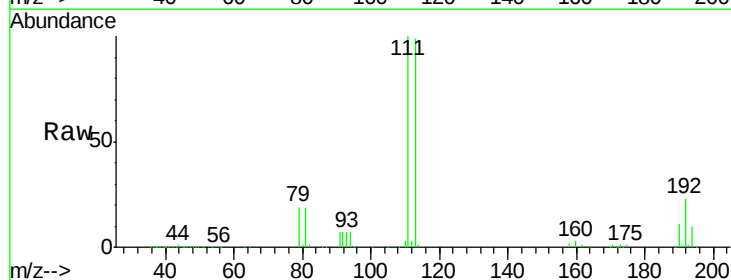


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

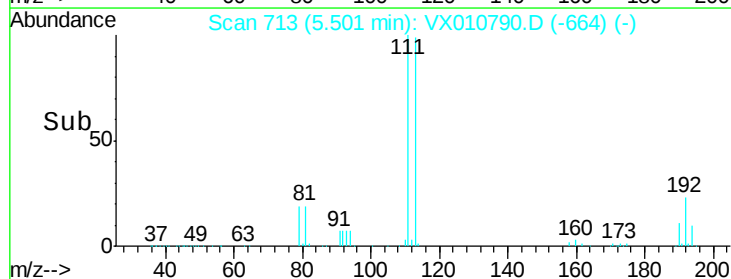
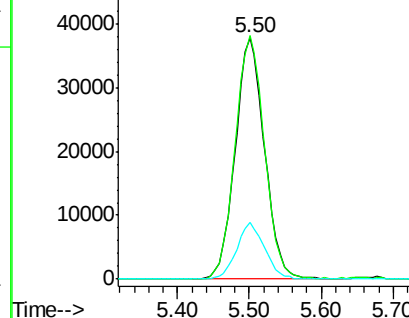


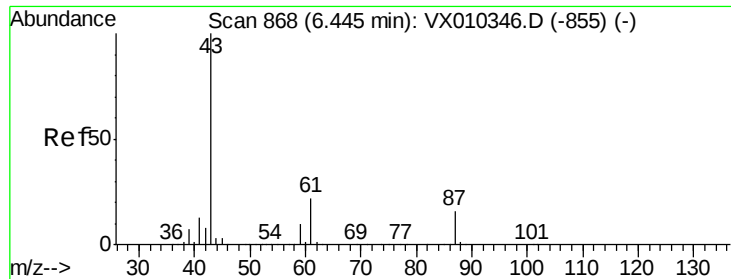
#35  
 Dibromofluoromethane  
 Concen: 50.212 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010790.D  
 Acq: 10 Jul 2019 20:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 81.2  | 121.8 |
| 192     | 22.4  | 18.6  | 27.8  |



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

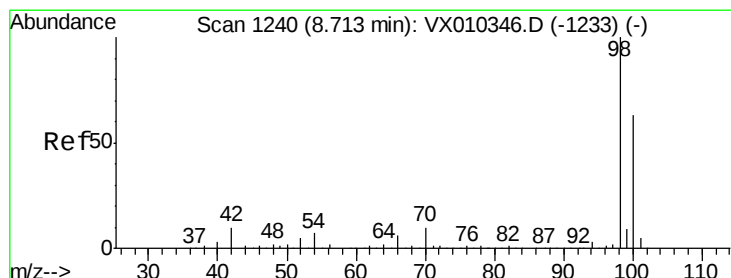
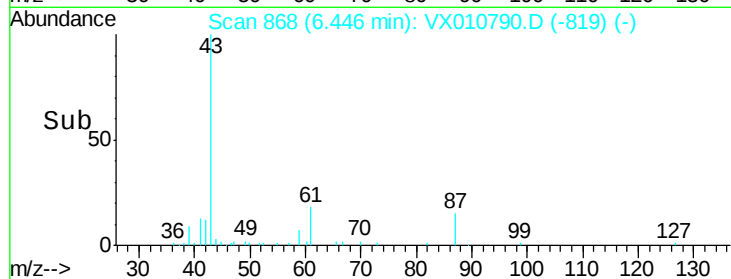
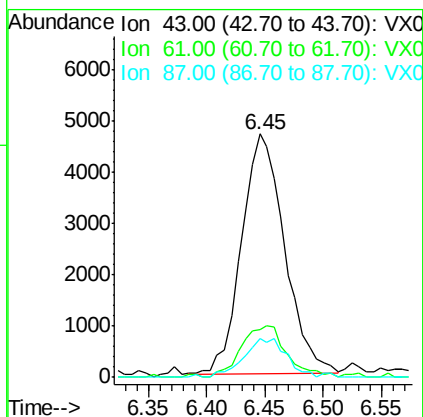
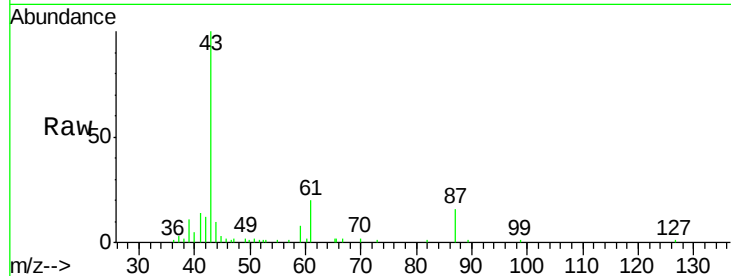




#43  
Isopropyl Acetate  
Concen: 2.575 ug/l  
RT: 6.45 min Scan# 868  
Delta R.T. 0.00 min  
Lab File: VX010790.D  
Acq: 10 Jul 2019 20:16

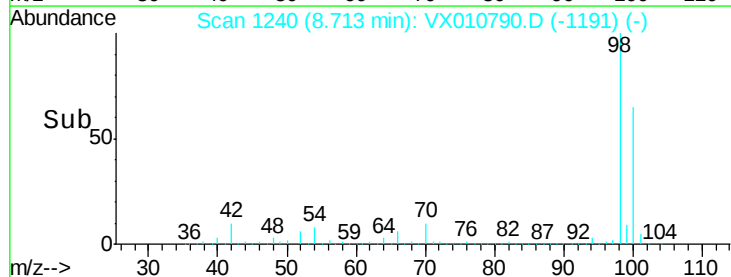
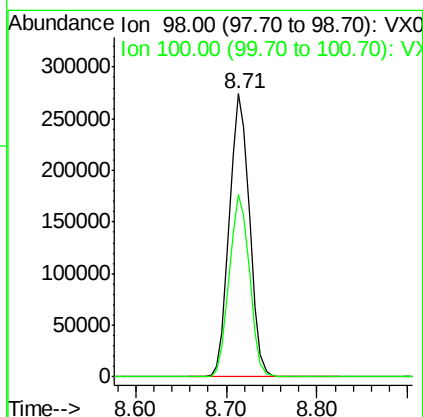
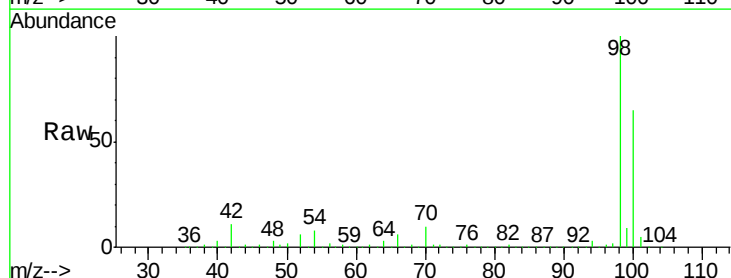
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-070919-A

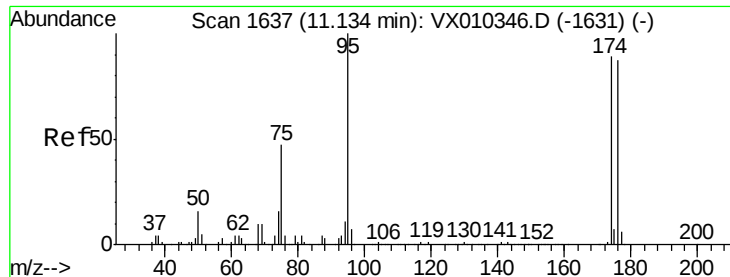
Tgt Ion: 43 Resp: 12083  
Ion Ratio Lower Upper  
43 100  
61 22.7 17.8 26.6  
87 15.9 13.0 19.4



#50  
Toluene-d8  
Concen: 52.272 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010790.D  
Acq: 10 Jul 2019 20:16

Tgt Ion: 98 Resp: 424516  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.576 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010790.D

Acq: 10 Jul 2019 20:16

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-070919-A

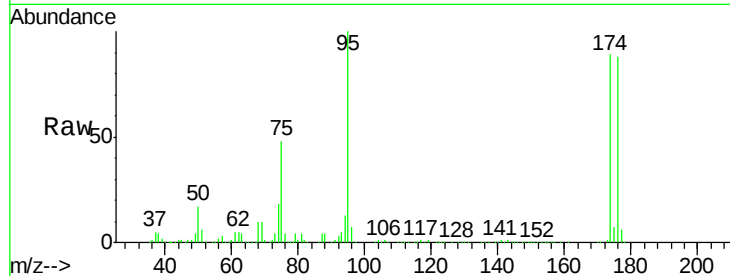
Tgt Ion: 95 Resp: 142426

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.6

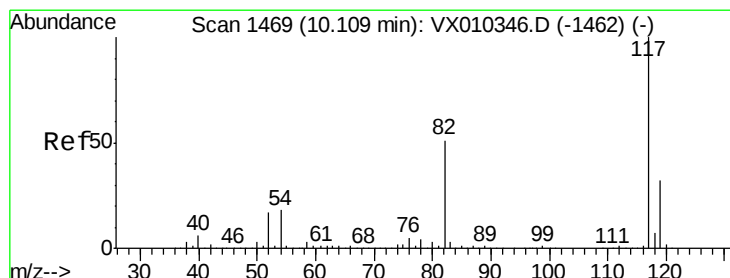
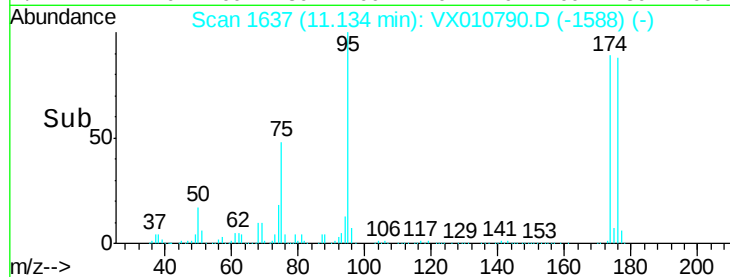
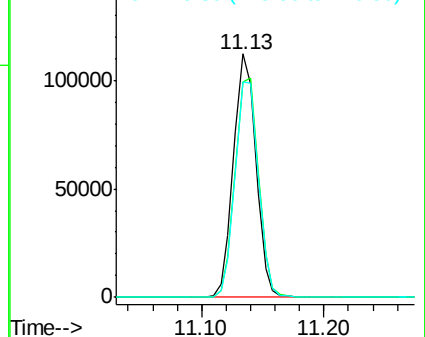
176 92.0 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010790.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010790.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010790.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010790.D

Acq: 10 Jul 2019 20:16

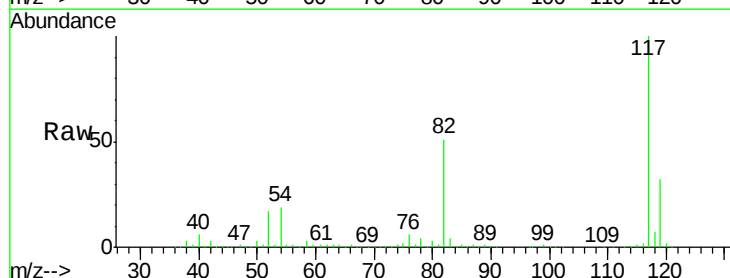
Tgt Ion: 117 Resp: 331255

Ion Ratio Lower Upper

117 100

82 51.4 41.2 61.8

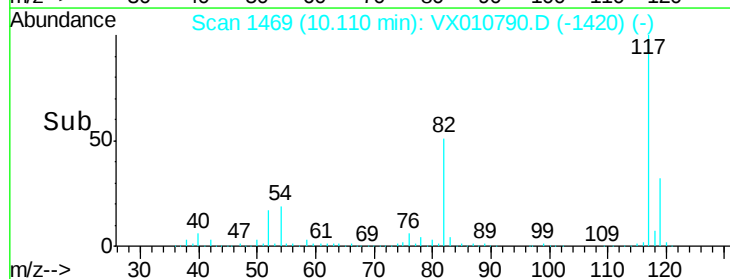
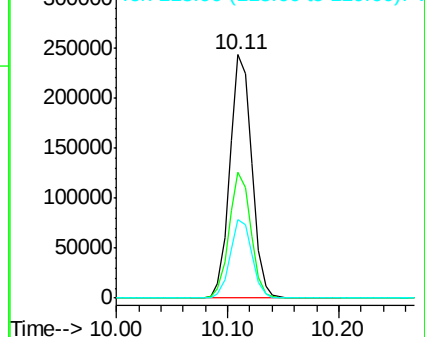
119 32.3 25.5 38.3

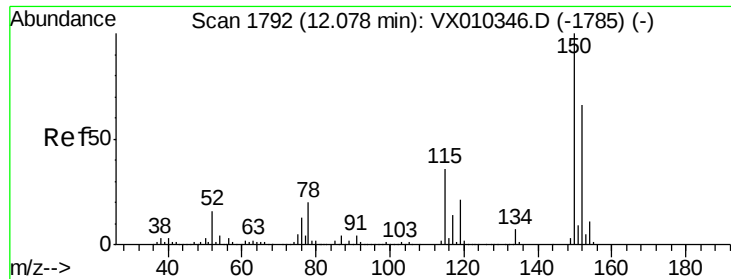


Abundance Ion 116.90 (116.60 to 117.60): VX010790.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010790.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010790.D (-1420) (-)



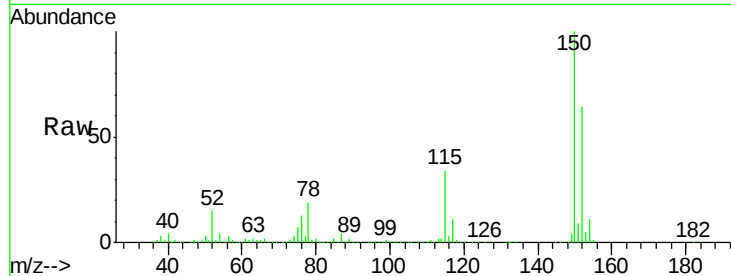


#72

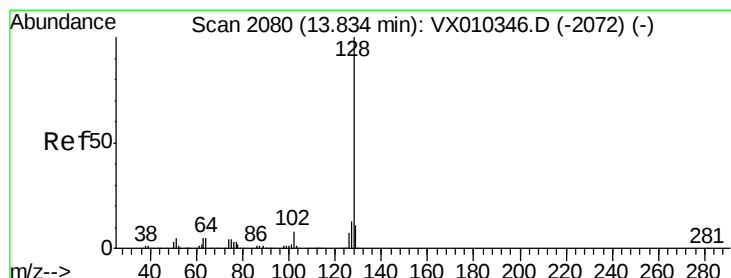
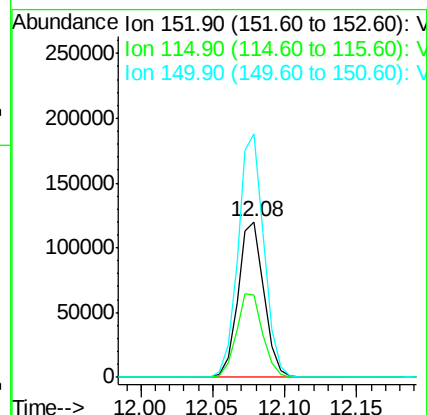
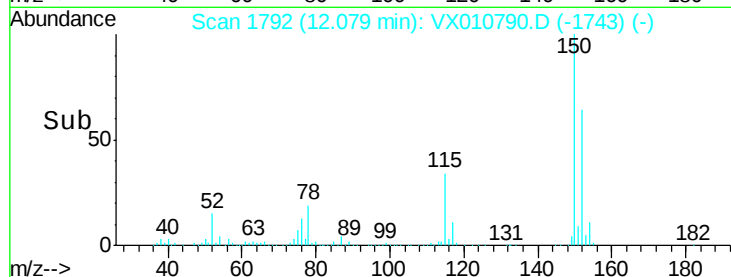
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010790.D  
Acq: 10 Jul 2019 20:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-070919-A

Tgt Ion:152 Resp: 150447  
Ion Ratio Lower Upper  
152 100  
115 54.8 38.6 115.7  
150 156.3 0.0 347.4



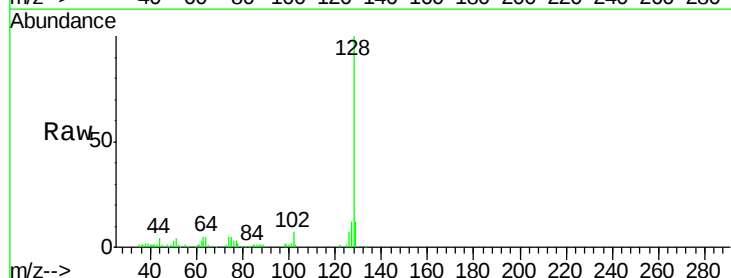
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene  
Concen: 1.693 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX010790.D  
Acq: 10 Jul 2019 20:16

Tgt Ion:128 Resp: 17826  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

