

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\  
 Data File : VX010087.D  
 Acq On : 05 Jun 2019 19:12  
 Operator : JC/SP  
 Sample : K3195-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z1-TB06-190603

Quant Time: Jun 06 07:26:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 29 04:00:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 175707   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 280526   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 255548   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 114788   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 115708   | 46.62 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.24% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 85900    | 48.71 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.42% |          |
| 50) Toluene-d8              | 8.71  | 98   | 357799   | 49.96 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.92% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 121330   | 47.17 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.34% |          |

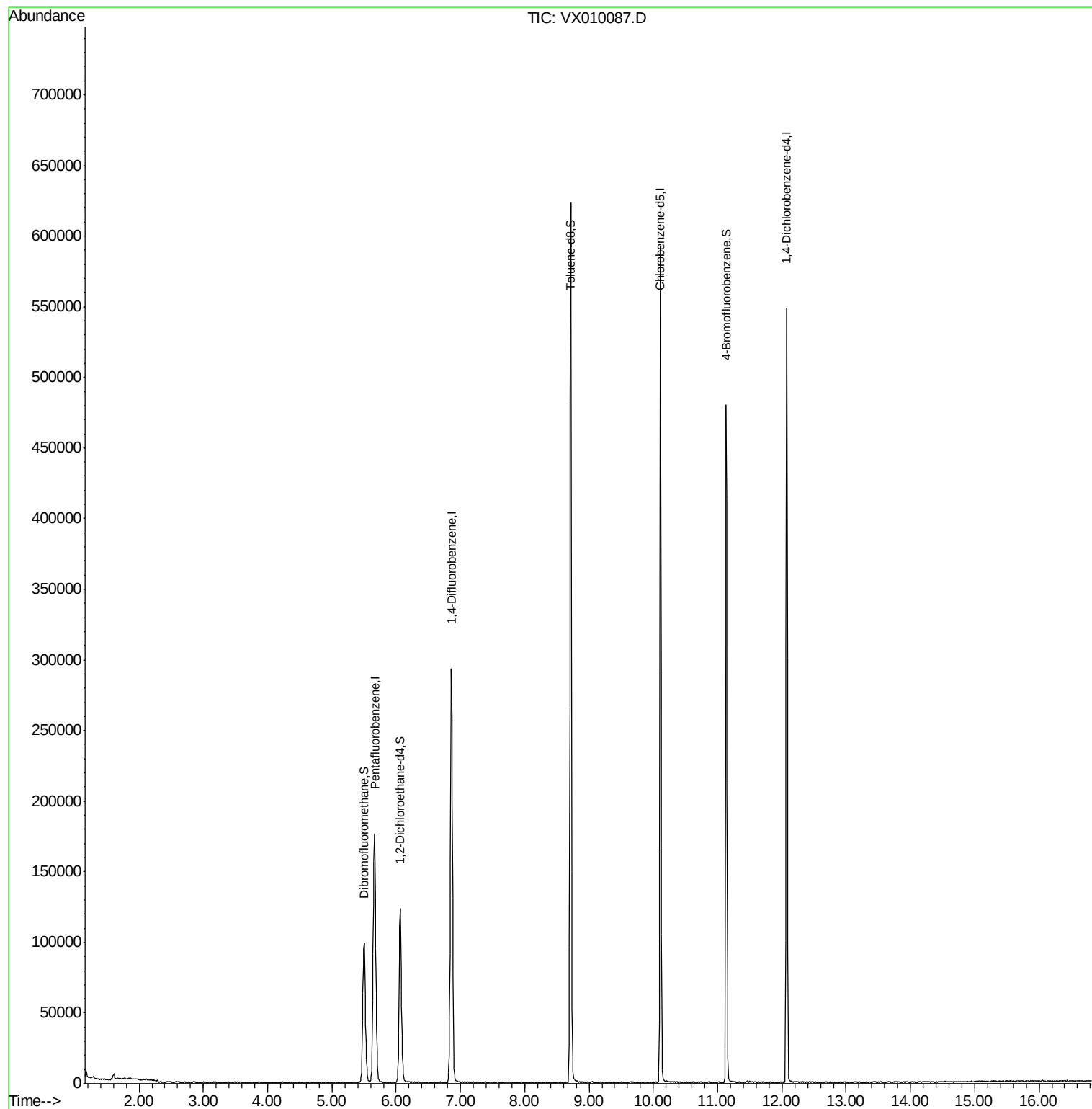
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

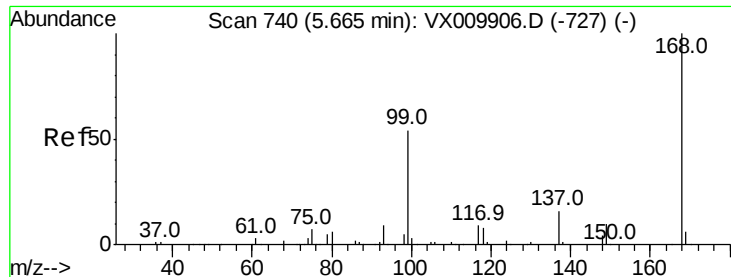
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 29 04:00:56 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: VX010087.D

Acq: 05 Jun 2019 19:12

Instrument :

MSVOA\_X

ClientSampleId :

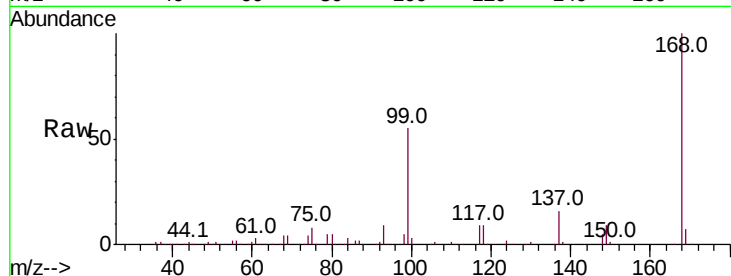
Z1-TB06-190603

Tot Ion:168 Resp: 175707

Ion Ratio Lower Upper

168 100

99 54.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

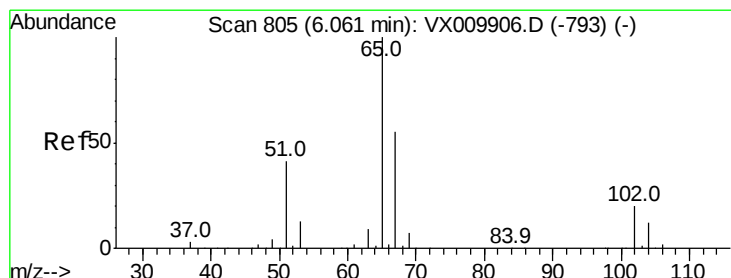
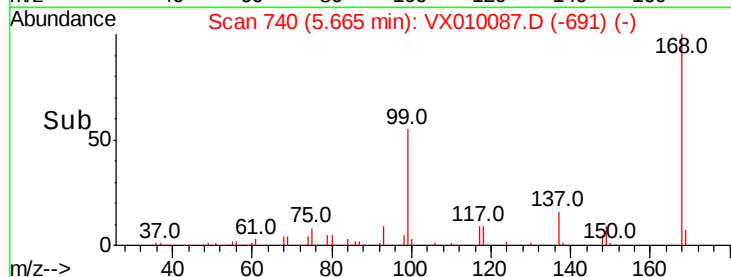
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.619 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010087.D

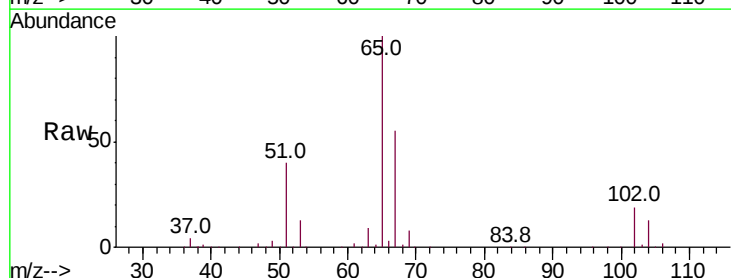
Acq: 05 Jun 2019 19:12

Tgt Ion: 65 Resp: 115708

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

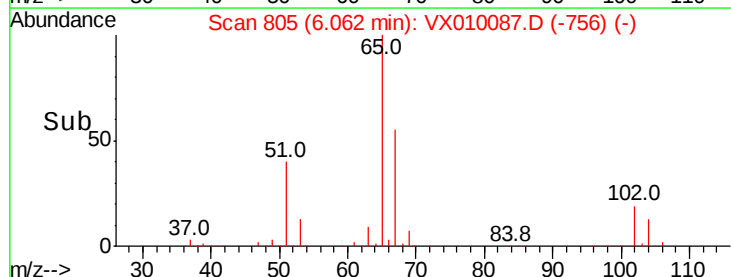
30000

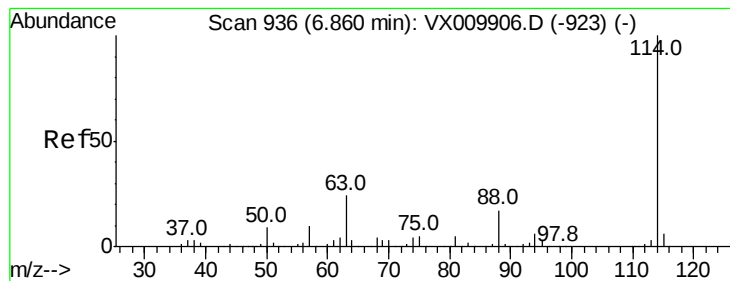
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010087.D

Acq: 05 Jun 2019 19:12

Instrument :

MSVOA\_X

ClientSampleId :

Z1-TB06-190603

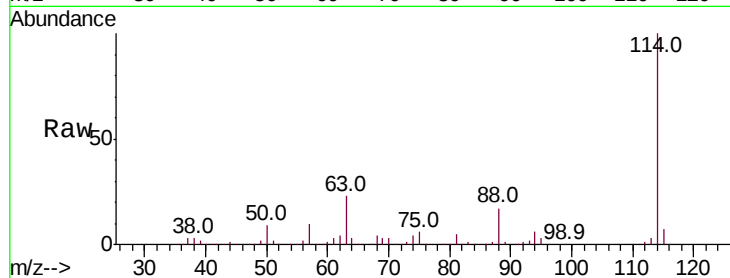
Tot Ion:114 Resp: 280526

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.4

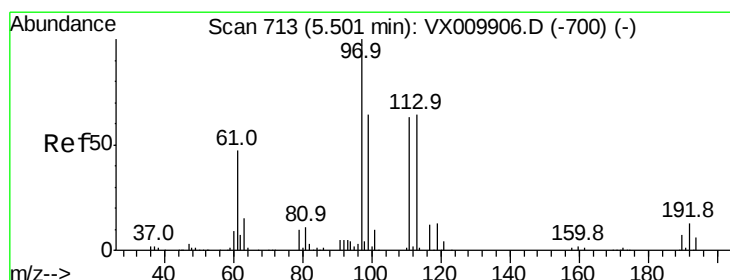
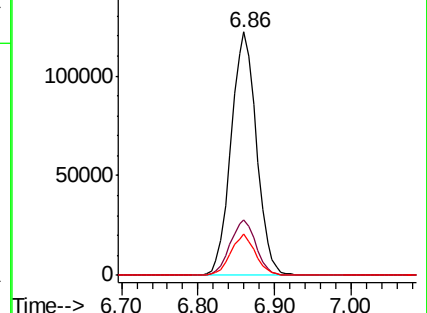
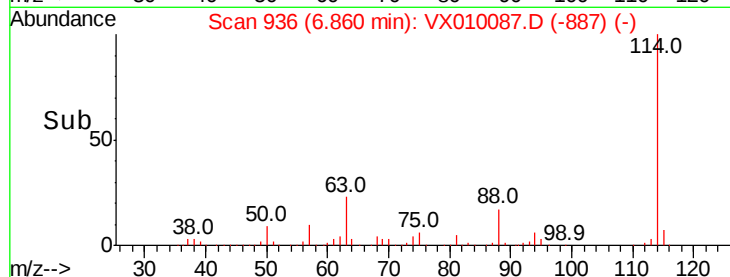
88 16.8 0.0 33.0



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: 48.705 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010087.D

Acq: 05 Jun 2019 19:12

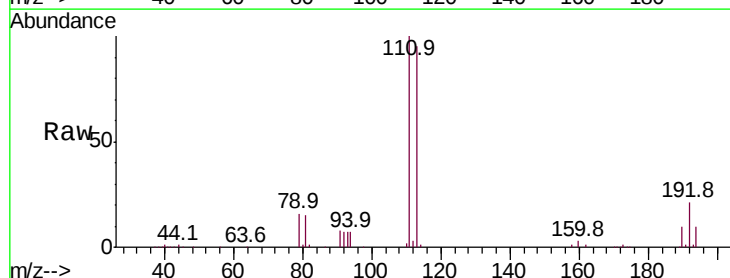
Tgt Ion:113 Resp: 85900

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

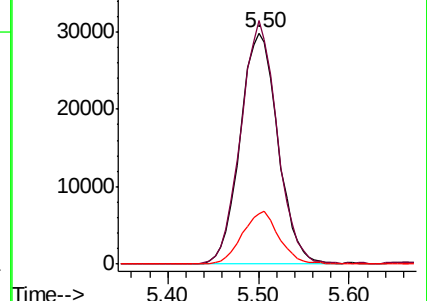
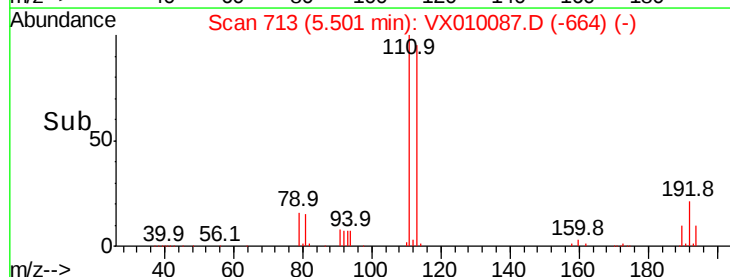
192 22.3 17.1 25.7

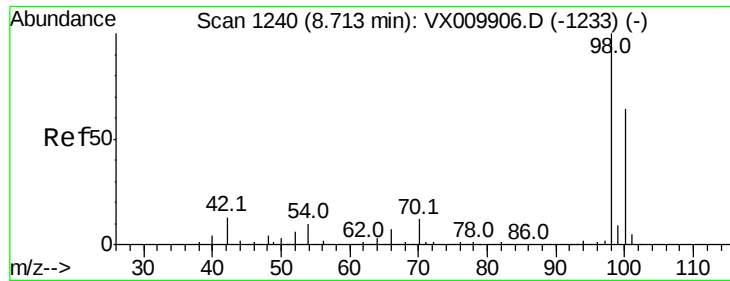


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

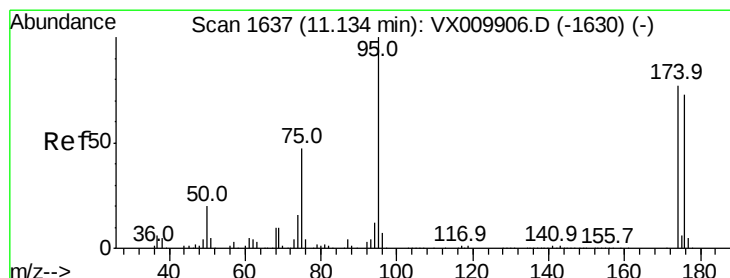
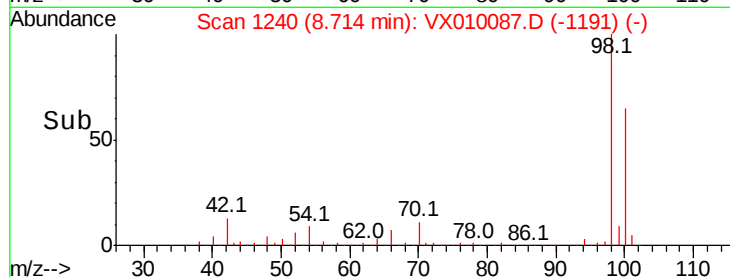
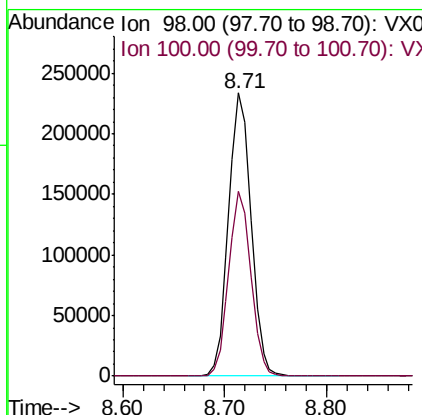
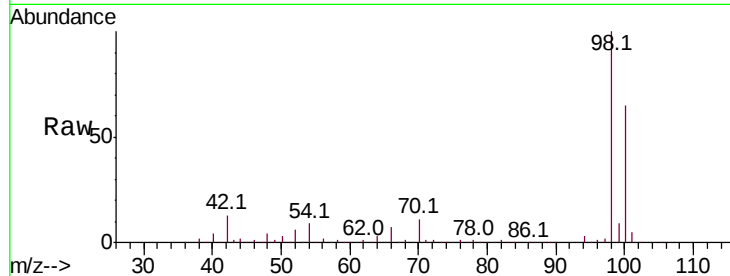




#50  
Toluene-d8  
Concen: 49.959 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010087.D  
Acq: 05 Jun 2019 19:12

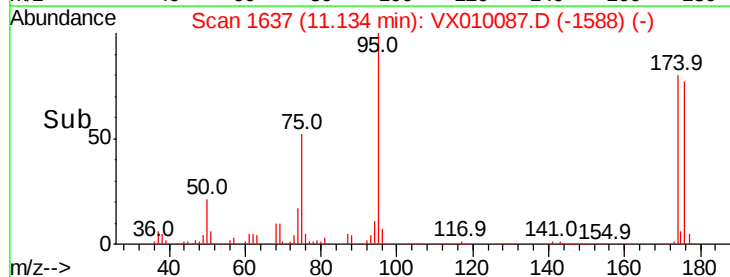
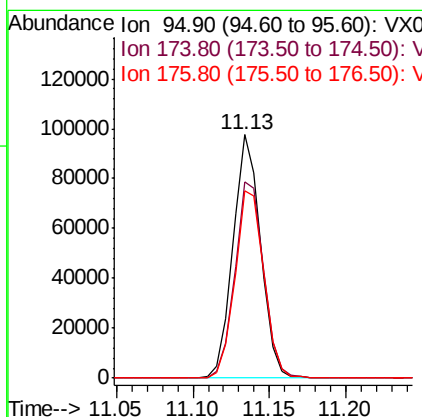
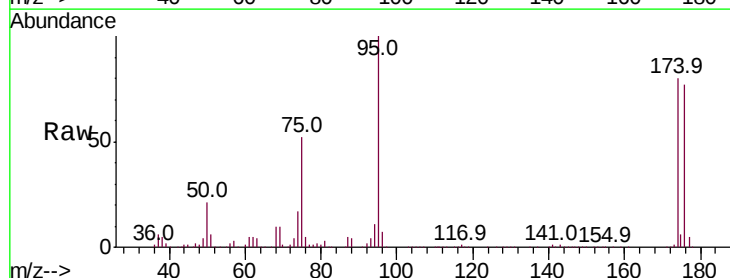
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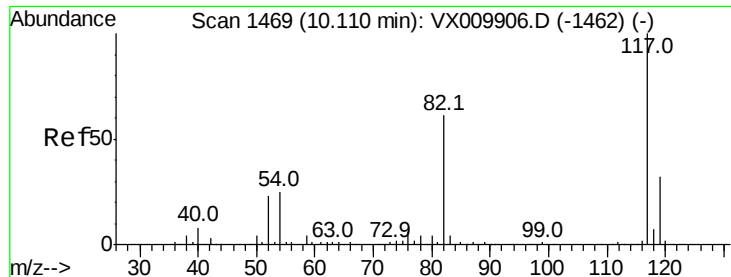
Tot Ion: 98 Resp: 357799  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 47.166 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010087.D  
Acq: 05 Jun 2019 19:12

Tgt Ion: 95 Resp: 121330  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 160.4  
176 81.1 0.0 154.6

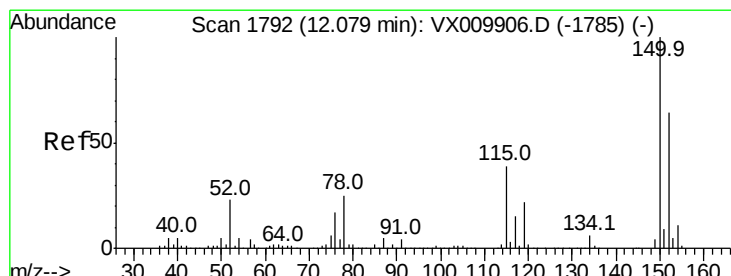
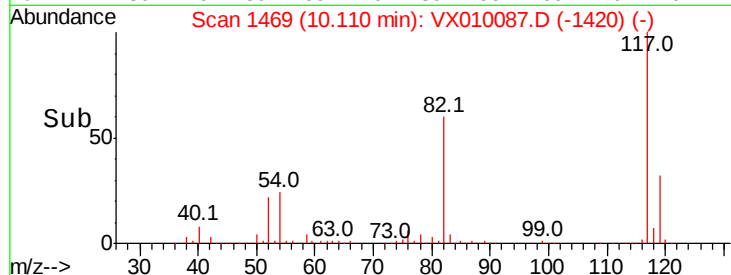
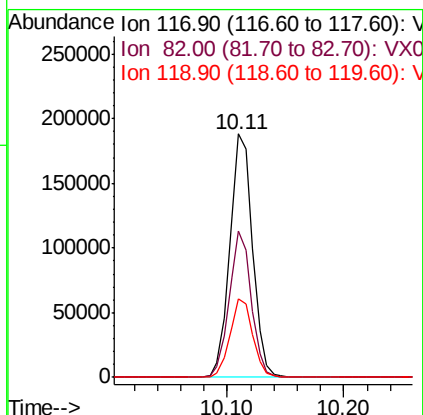
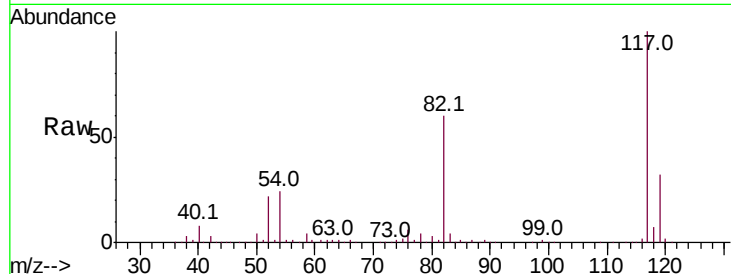




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010087.D  
Acq: 05 Jun 2019 19:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z1-TB06-190603

Tot Ion:117 Resp: 255548  
Ion Ratio Lower Upper  
117 100  
82 60.0 49.2 73.8  
119 32.3 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010087.D  
Acq: 05 Jun 2019 19:12

Tgt Ion:152 Resp: 114788  
Ion Ratio Lower Upper  
152 100  
115 58.0 41.4 124.2  
150 157.7 0.0 345.2

