

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\  
 Data File : VX010934.D  
 Acq On : 17 Jul 2019 14:33  
 Operator : JC/SP  
 Sample : K3856-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01-190716

Quant Time: Jul 18 03:42:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 17 06:57:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 216593   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 347068   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 320576   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 149348   | 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   | 116985   | 50.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.54% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 107513   | 48.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 97.60%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 413242   | 50.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.04% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 145696   | 47.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 95.94%  |          |

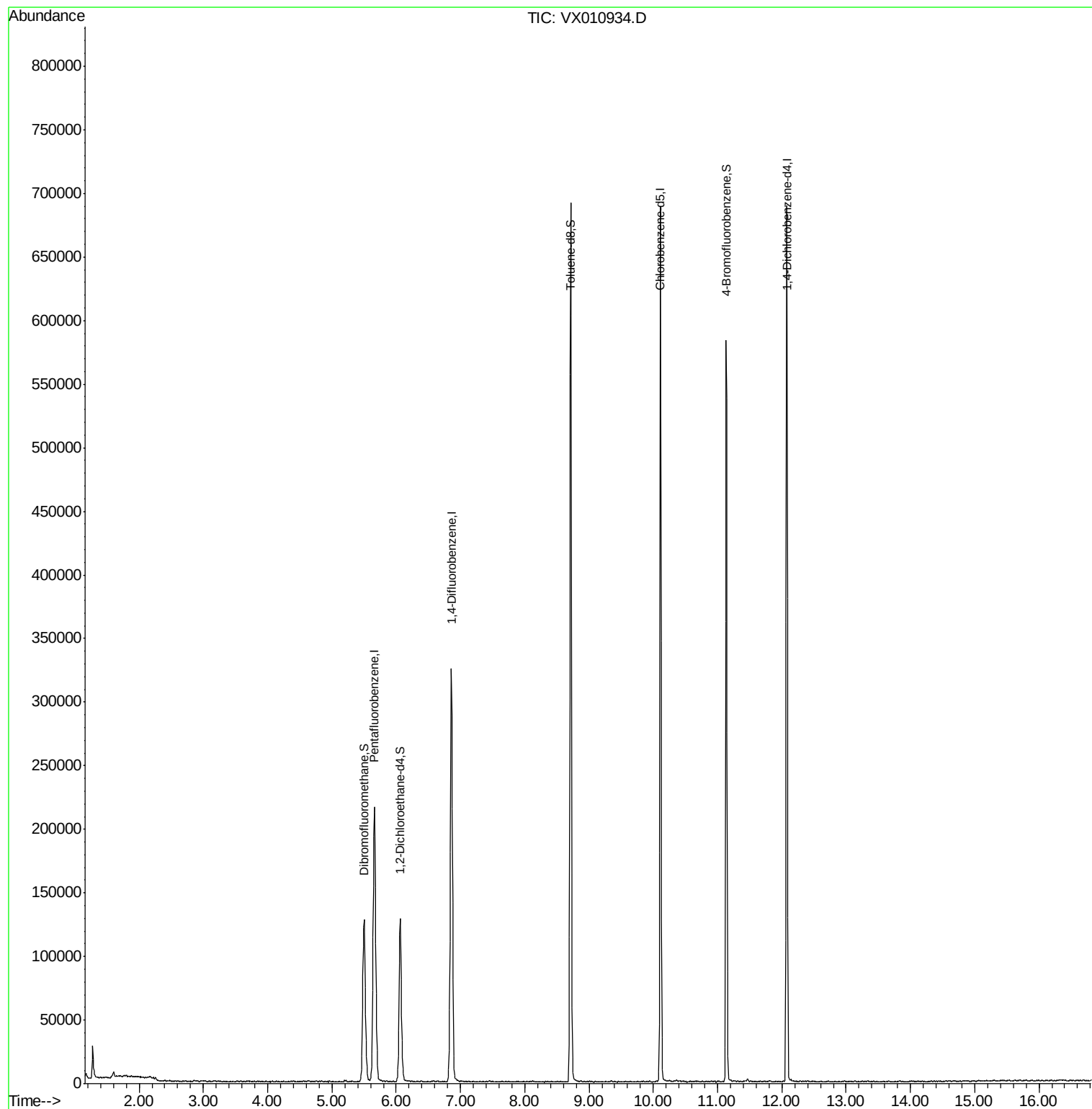
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

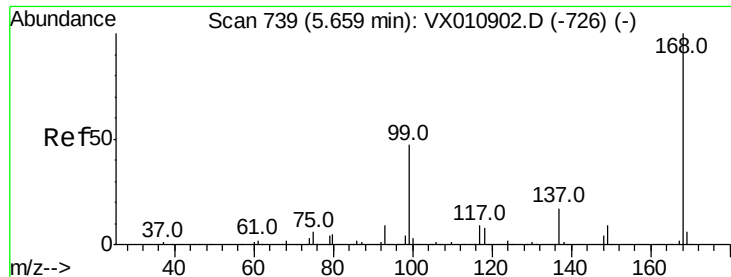
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

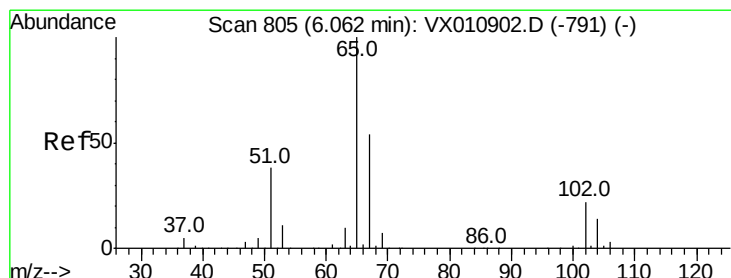
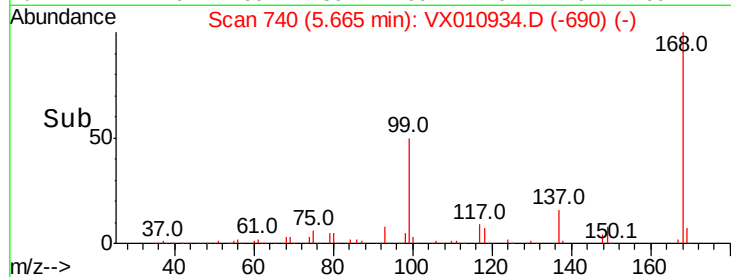
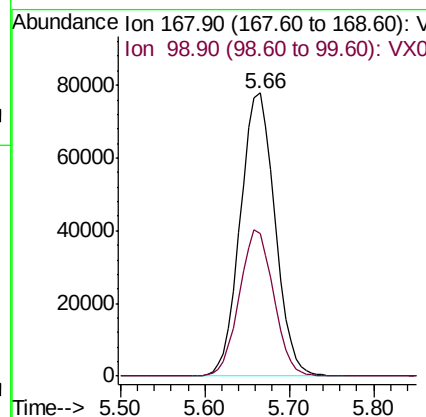
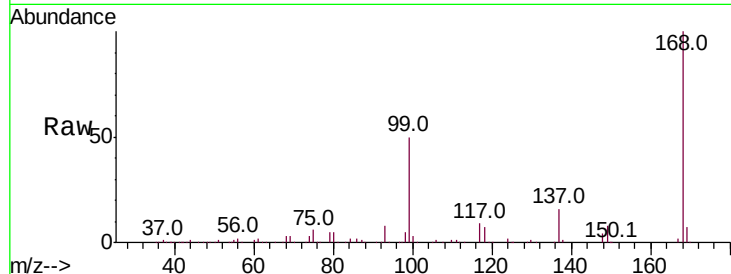




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.66 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX010934.D  
Acq: 17 Jul 2019 14:33

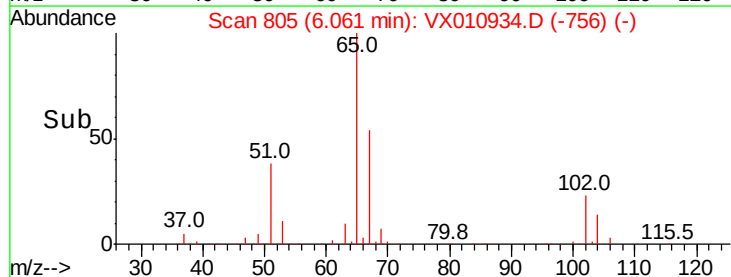
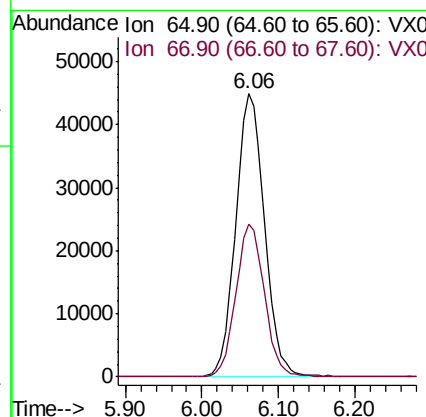
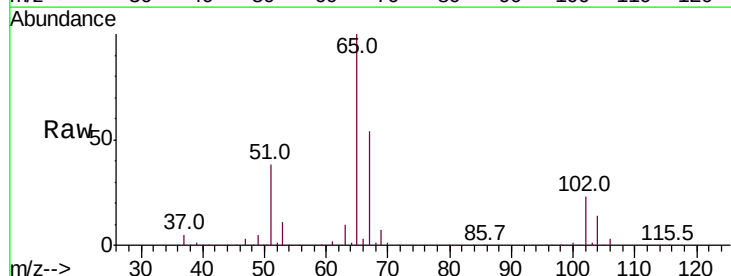
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-190716

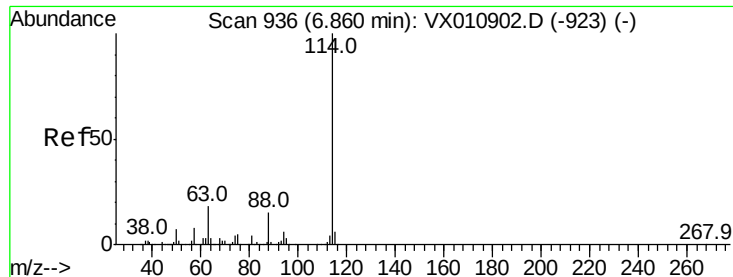
Tot Ion:168 Resp: 216593  
Ion Ratio Lower Upper  
168 100  
99 50.3 37.6 56.4



#33  
1,2-Dichloroethane-d4  
Concen: 50.770 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: VX010934.D  
Acq: 17 Jul 2019 14:33

Tgt Ion: 65 Resp: 116985  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010934.D

Acq: 17 Jul 2019 14:33

Instrument :

MSVOA\_X

ClientSampleId :

TB-01-190716

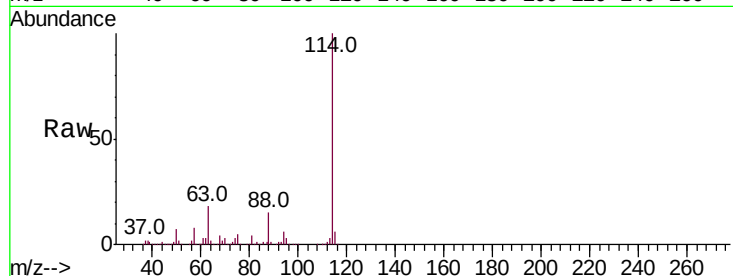
Tot Ion:114 Resp: 347068

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

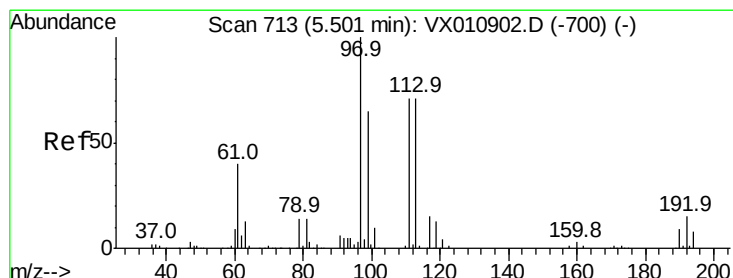
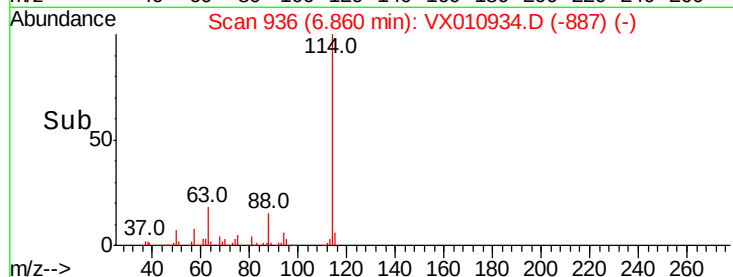
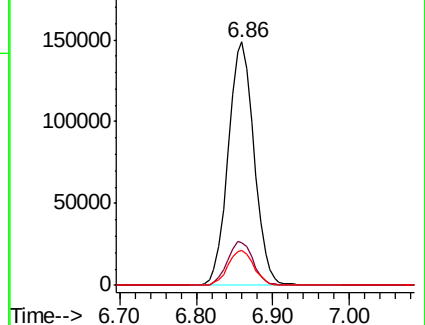
88 14.6 0.0 29.8



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: 48.805 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010934.D

Acq: 17 Jul 2019 14:33

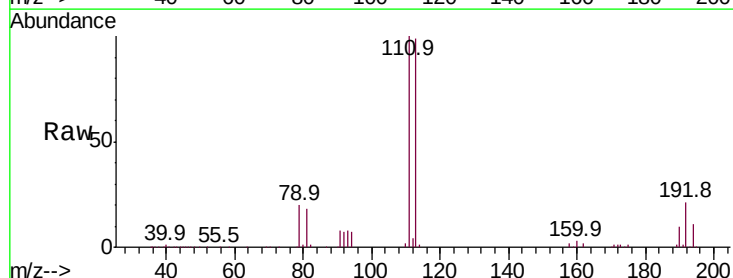
Tgt Ion:113 Resp: 107513

Ion Ratio Lower Upper

113 100

111 100.8 82.3 123.5

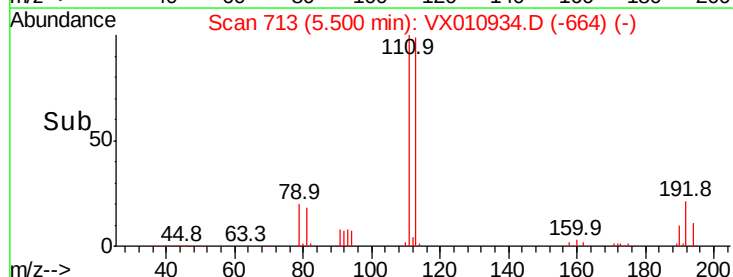
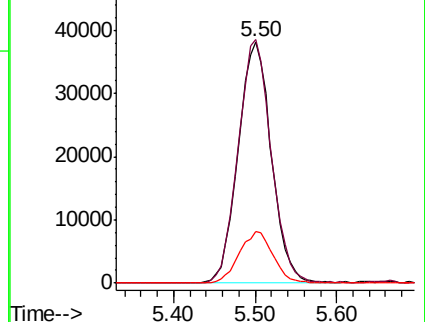
192 21.8 17.4 26.2

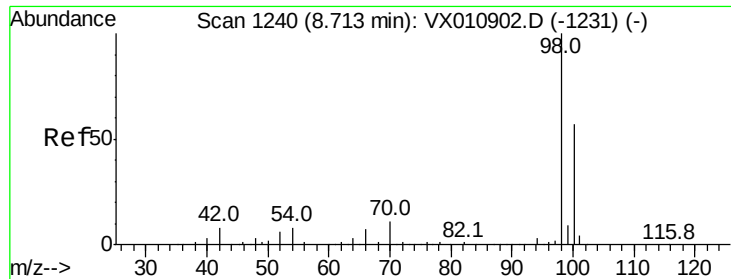


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

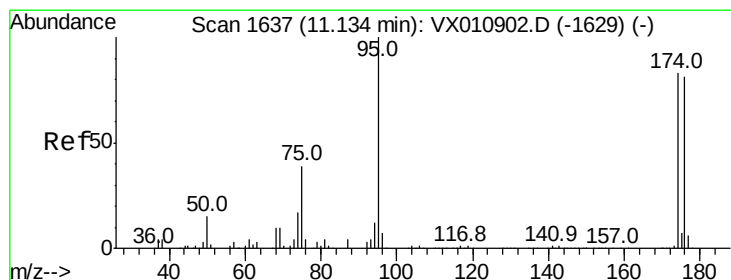
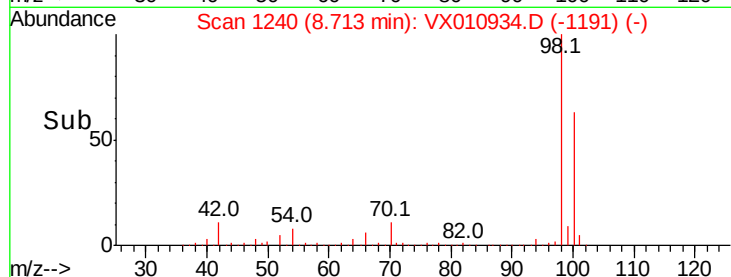
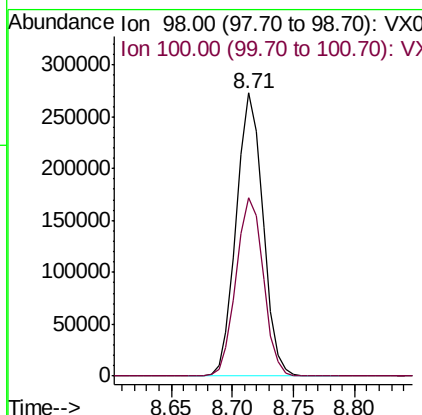
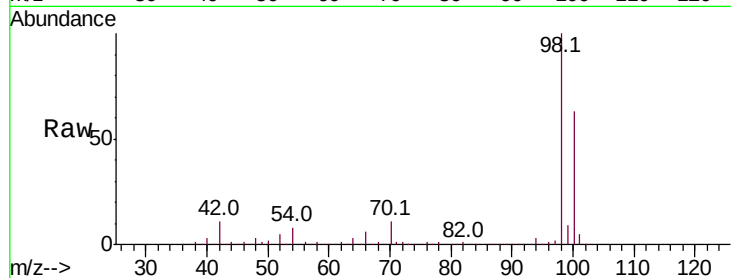




#50  
Toluene-d8  
Concen: 50.015 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX010934.D  
Acq: 17 Jul 2019 14:33

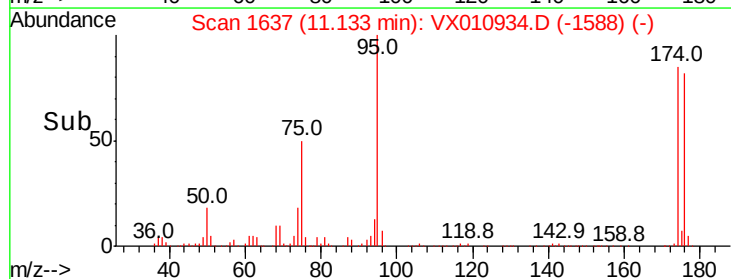
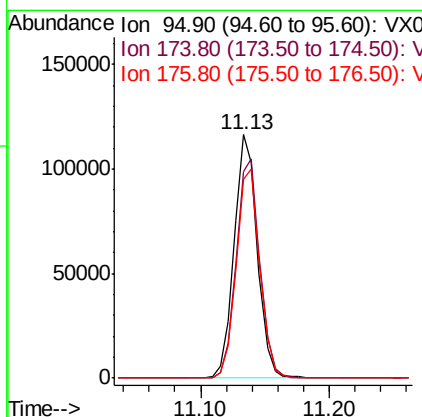
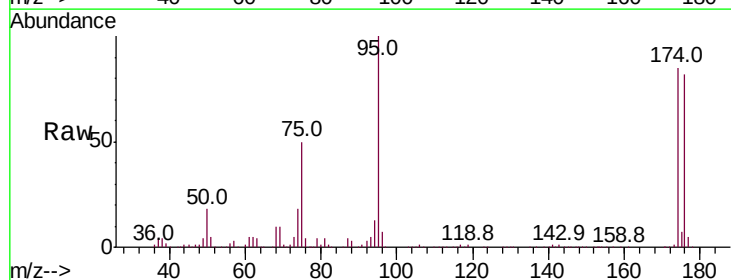
Instrument :  
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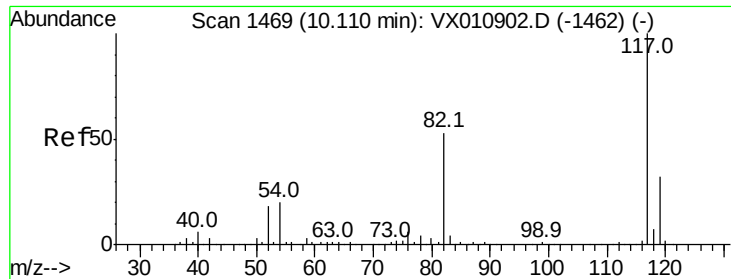
Tot Ion: 98 Resp: 413242  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.6 75.8



#62  
4-Bromofluorobenzene  
Concen: 47.974 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX010934.D  
Acq: 17 Jul 2019 14:33

Tgt Ion: 95 Resp: 145696  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 180.6  
176 87.5 0.0 173.8

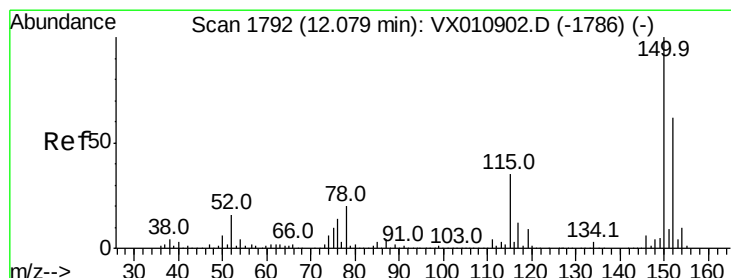
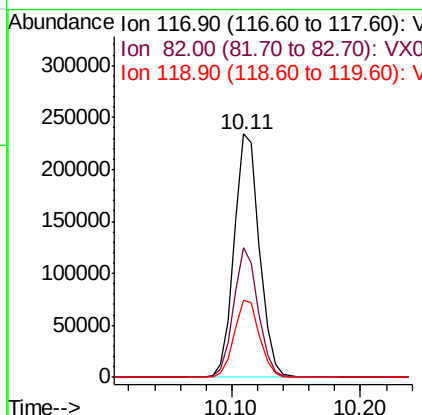
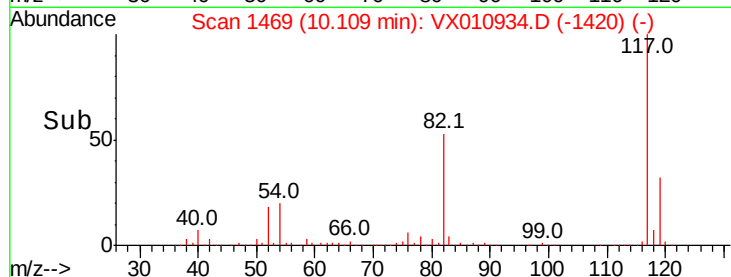
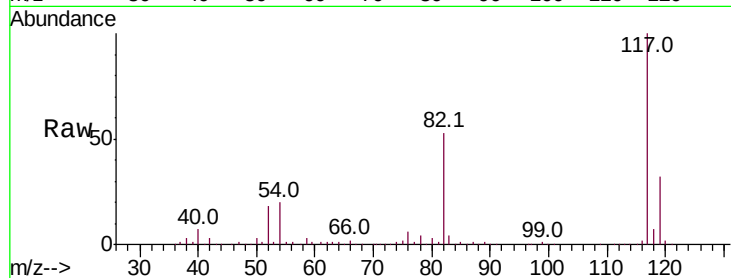




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010934.D  
Acq: 17 Jul 2019 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-190716

Tot Ion:117 Resp: 320576  
Ion Ratio Lower Upper  
117 100  
82 53.4 42.6 63.8  
119 31.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX010934.D  
Acq: 17 Jul 2019 14:33

Tgt Ion:152 Resp: 149348  
Ion Ratio Lower Upper  
152 100  
115 55.4 39.7 119.1  
150 157.0 0.0 345.6

