

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\  
 Data File : VX011000.D  
 Acq On : 19 Jul 2019 14:18  
 Operator : JC/SP  
 Sample : K3917-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Jul 20 01:29:28 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  | 217153   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 343759   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 322145   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 149421   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 116545   | 50.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.90% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 106451   | 48.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.58%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 413031   | 50.47 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.94% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 147042   | 48.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.76%  |      |

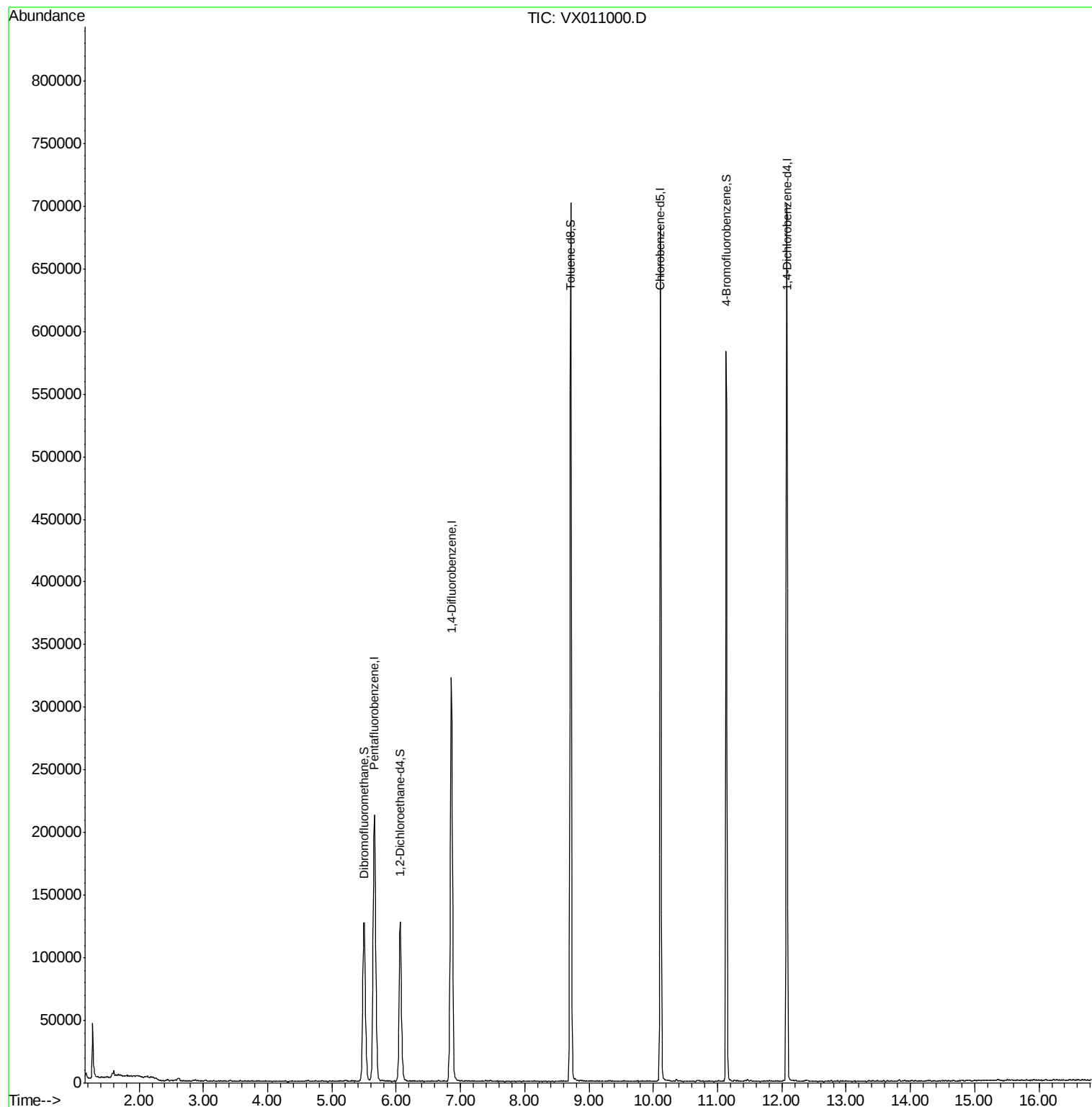
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

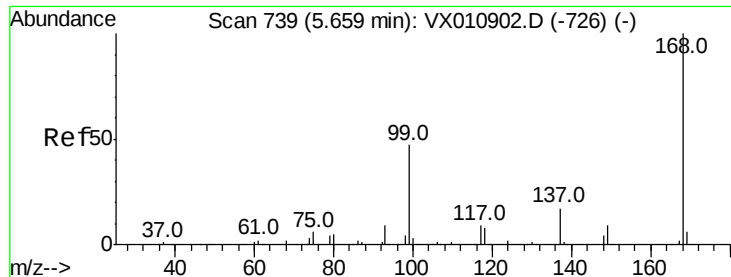
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011000.D

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Instrument :

MSVOA\_X

ClientSampleId :

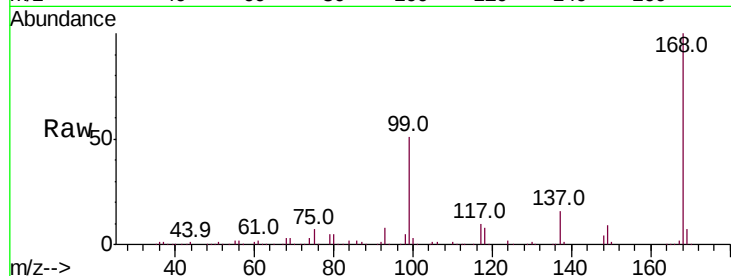
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 217153

Ion Ratio Lower Upper

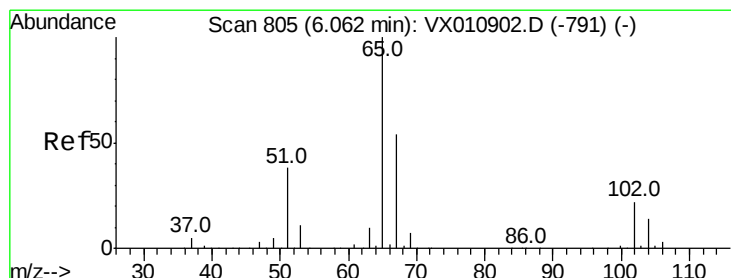
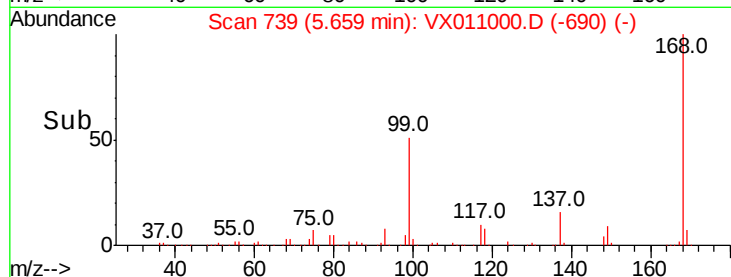
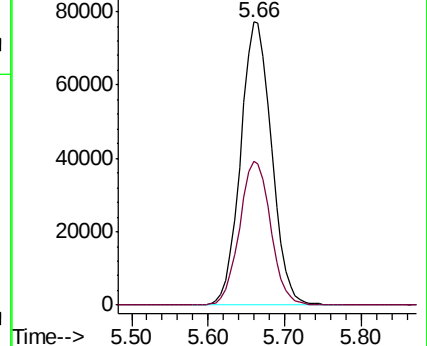
168 100

99 50.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.449 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011000.D

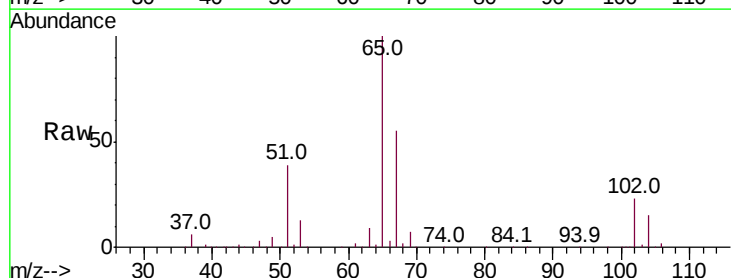
Acq: 19 Jul 2019 14:18

Tgt Ion: 65 Resp: 116545

Ion Ratio Lower Upper

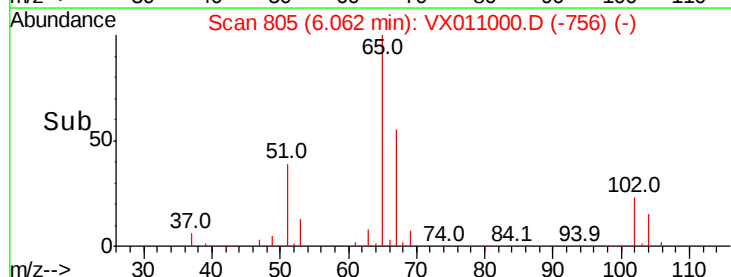
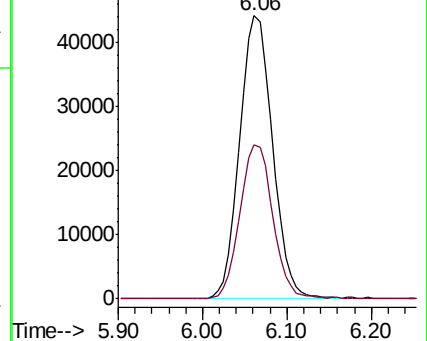
65 100

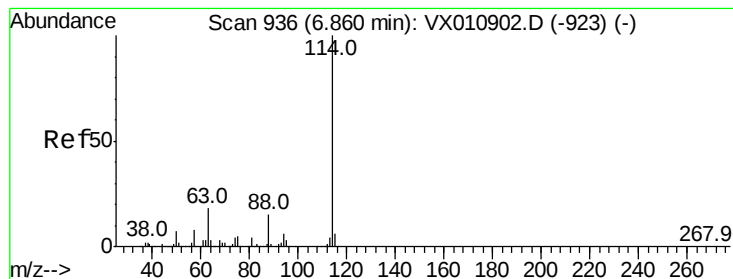
67 54.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011000.D

Acq: 19 Jul 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

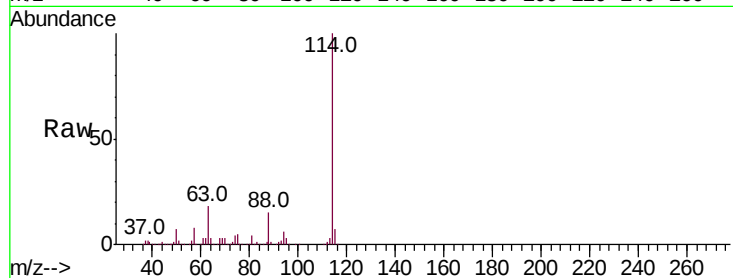
Tot Ion:114 Resp: 343759

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

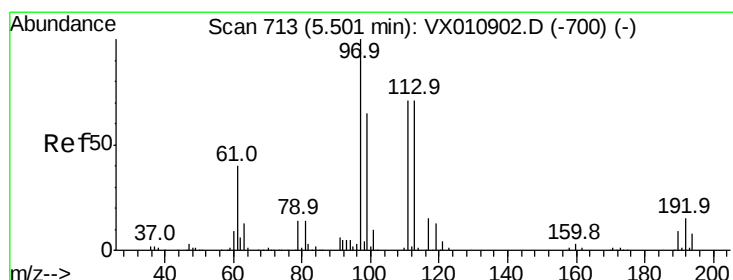
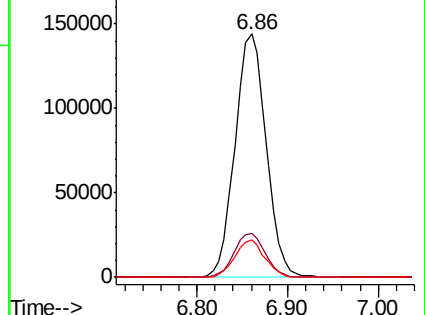
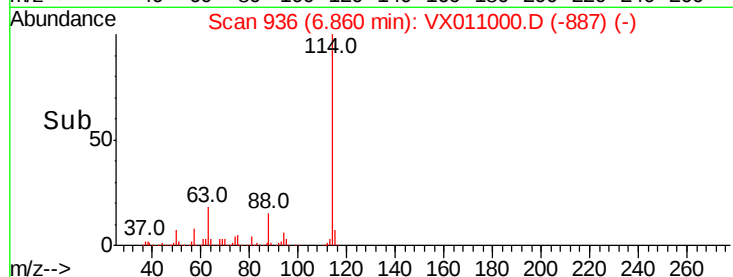
88 15.5 0.0 29.8



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: 48.788 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011000.D

Acq: 19 Jul 2019 14:18

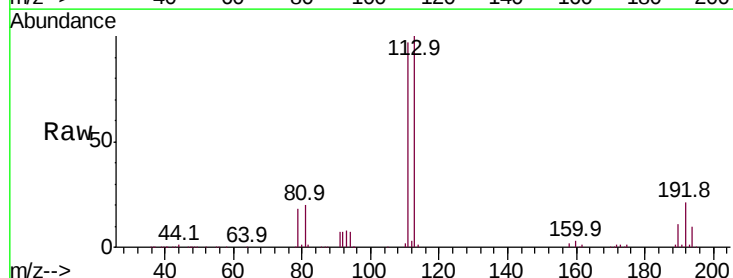
Tgt Ion:113 Resp: 106451

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

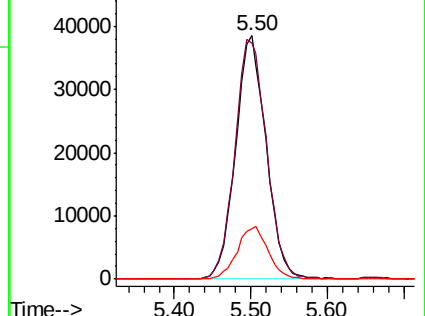
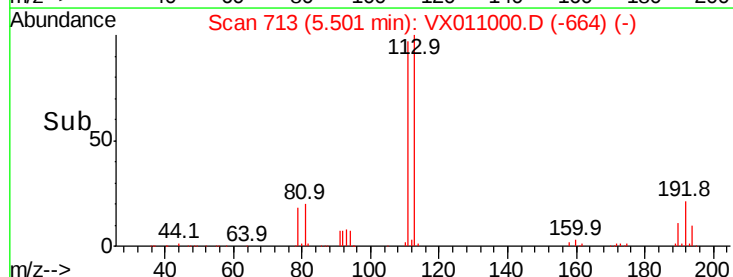
192 21.9 17.4 26.2

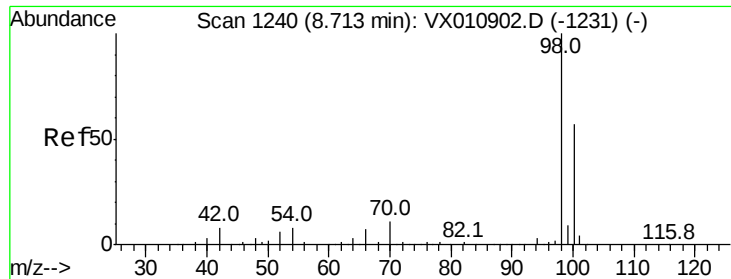


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

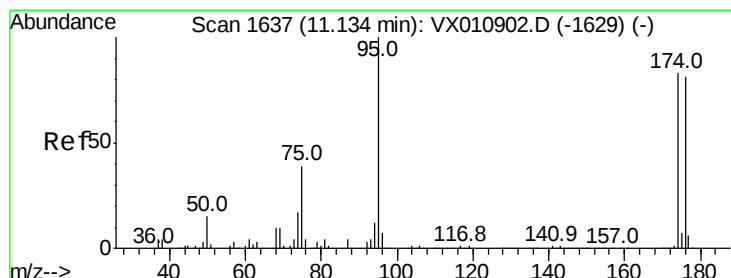
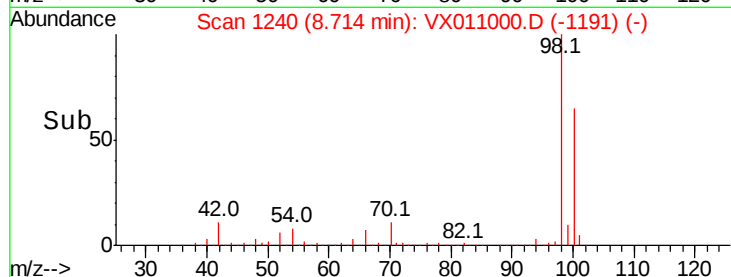
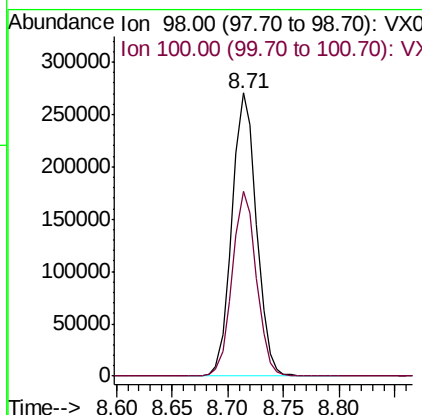
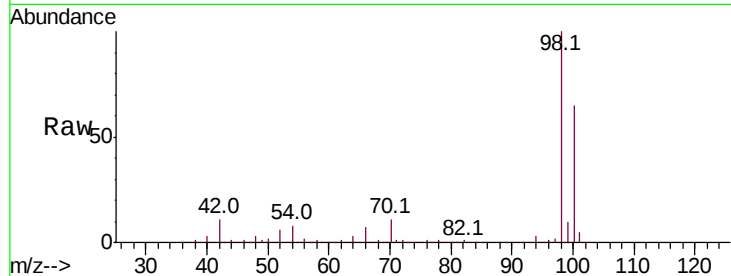




#50  
Toluene-d8  
Concen: 50.471 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX011000.D  
Acq: 19 Jul 2019 14:18

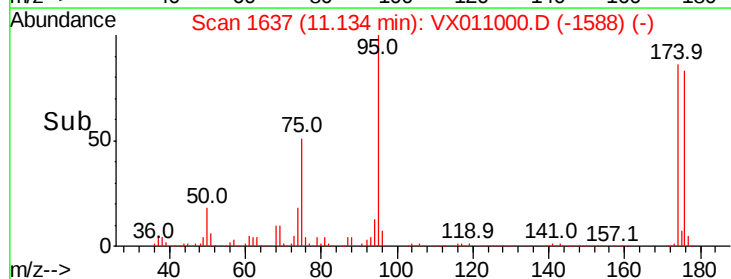
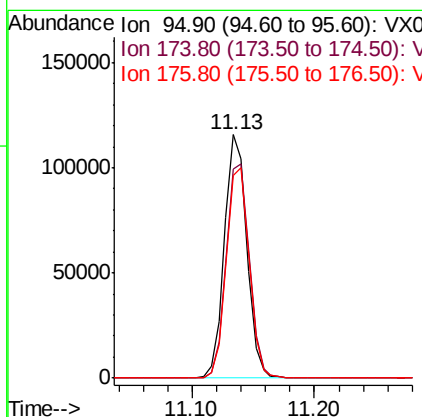
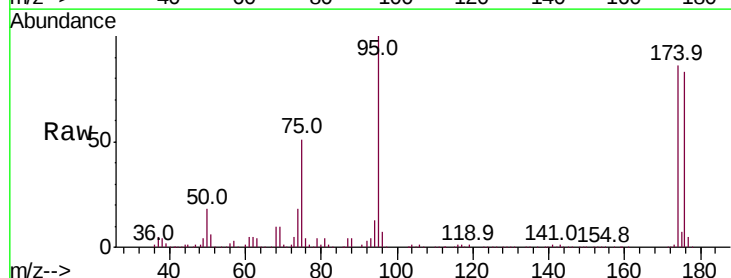
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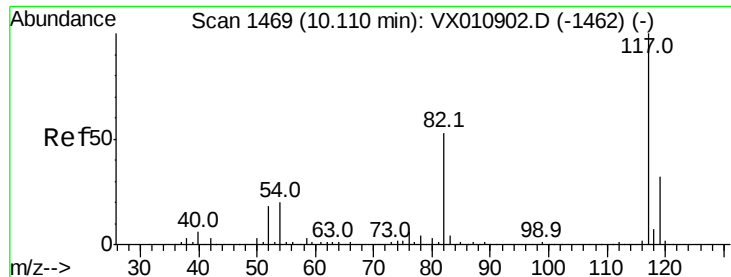
Tot Ion: 98 Resp: 413031  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.6 75.8



#62  
4-Bromofluorobenzene  
Concen: 48.883 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX011000.D  
Acq: 19 Jul 2019 14:18

Tgt Ion: 95 Resp: 147042  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 180.6  
176 87.9 0.0 173.8

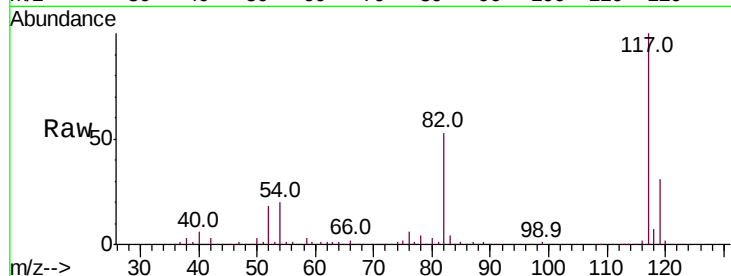




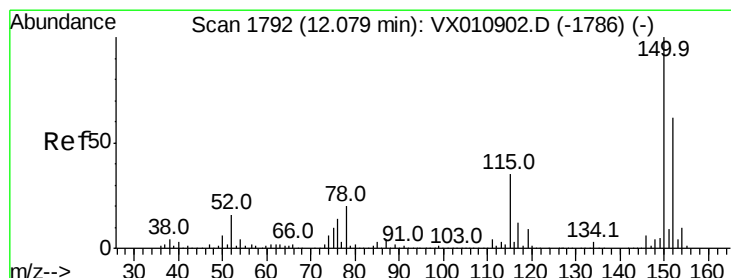
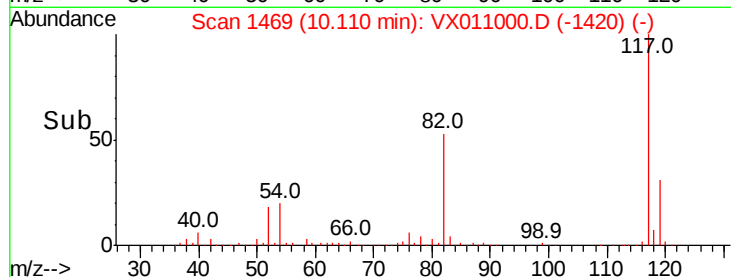
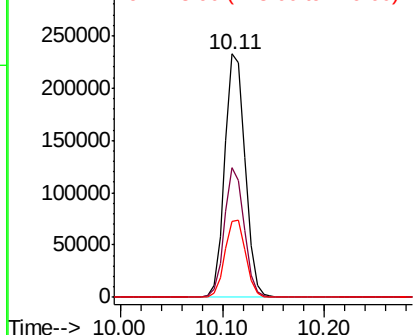
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011000.D  
Acq: 19 Jul 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 322145  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.6 63.8  
119 31.4 25.9 38.9

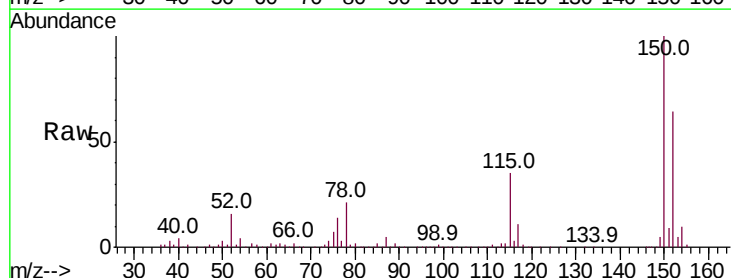


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX011000.D  
Acq: 19 Jul 2019 14:18

Tgt Ion:152 Resp: 149421  
Ion Ratio Lower Upper  
152 100  
115 56.1 39.7 119.1  
150 156.5 0.0 345.6



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

