

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\  
 Data File : VX008566.D  
 Acq On : 01 Apr 2019 14:14  
 Operator : JC/SP  
 Sample : K2189-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB201R-GW-778-780

Quant Time: Apr 02 01:46:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 07:57:20 2019  
 Response via : Initial Calibration

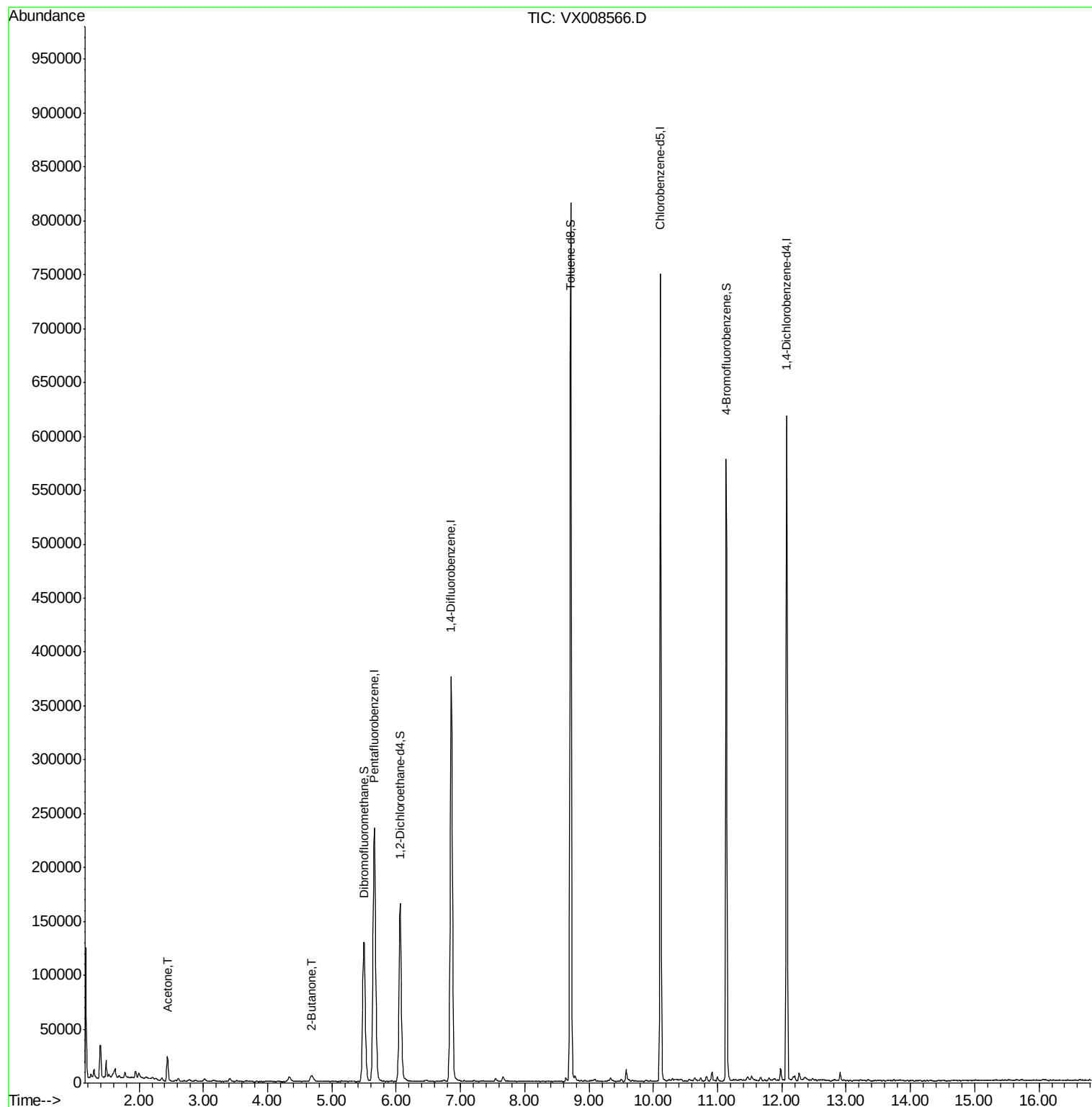
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 220200   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 368480   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 315797   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 121967   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 154097   | 46.16  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.32% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 113169   | 47.10  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.20% |          |
| 50) Toluene-d8              | 8.71  | 98   | 461607   | 48.05  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.10% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 152284   | 42.78  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.56% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.44  | 43   | 24248    | 13.898 | ug/l   | 99       |
| 25) 2-Butanone              | 4.68  | 43   | 9449     | 3.378  | ug/l # | 85       |

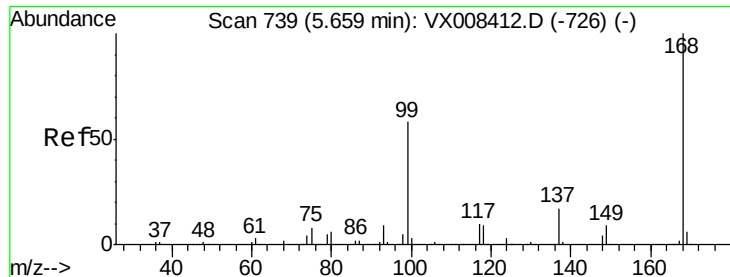
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB201R-GW-778-780

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 07:57:20 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

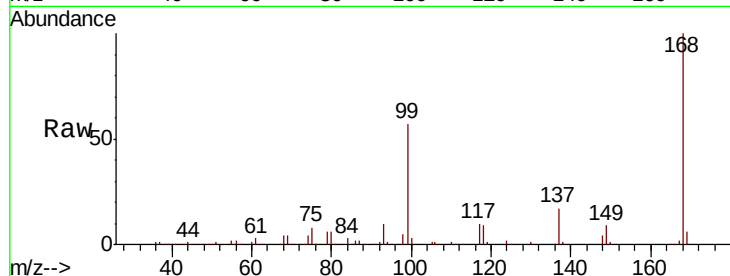
BP-VPB201R-GW-778-780

Tot Ion:168 Resp: 220200

Ion Ratio Lower Upper

168 100

99 57.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

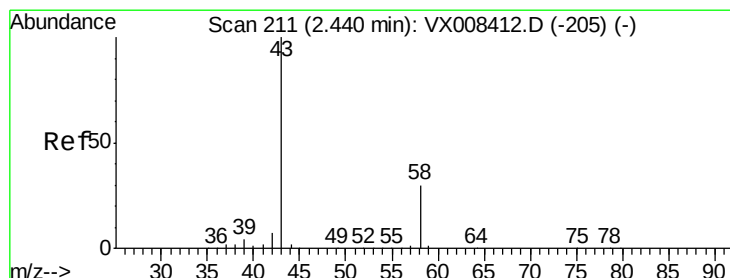
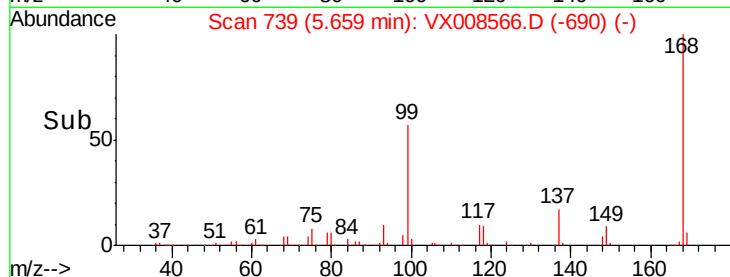
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 13.898 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008566.D

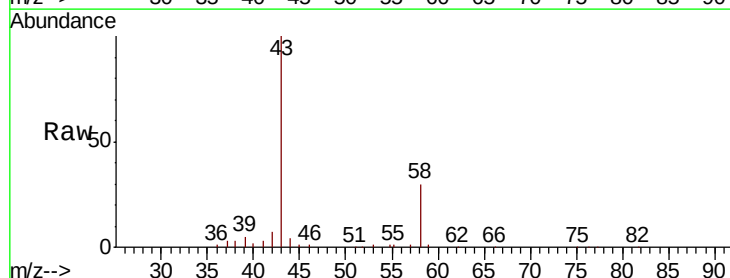
Acq: 01 Apr 2019 14:14

Tgt Ion: 43 Resp: 24248

Ion Ratio Lower Upper

43 100

58 29.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

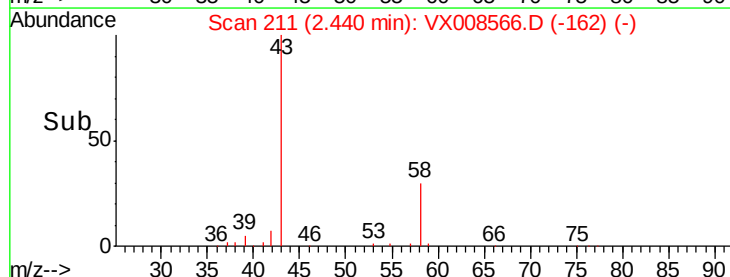
15000

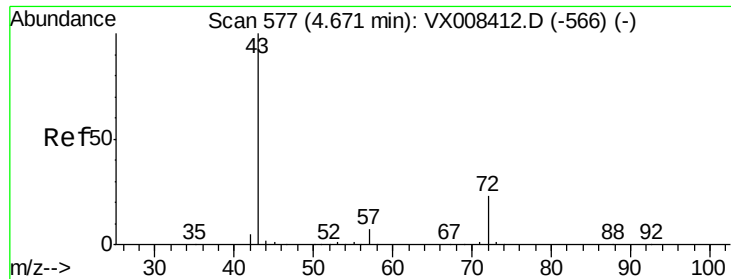
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 3.378 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

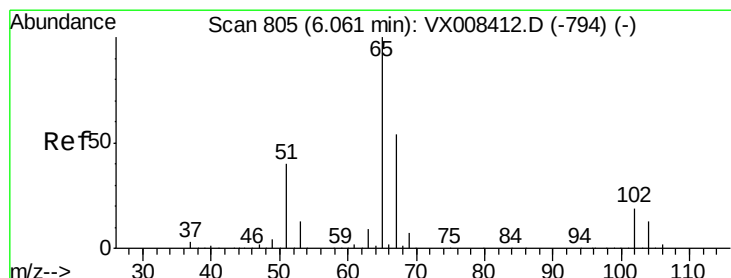
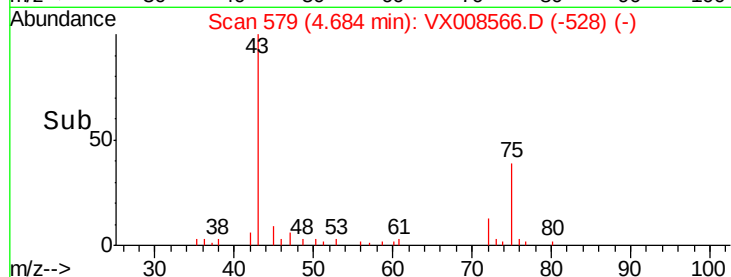
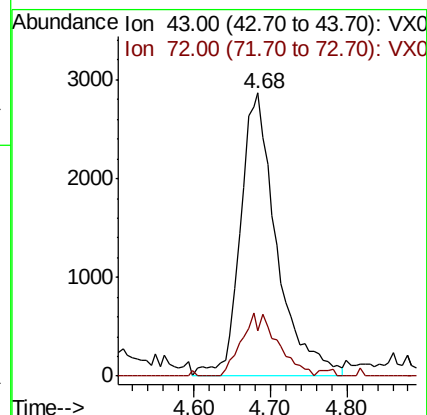
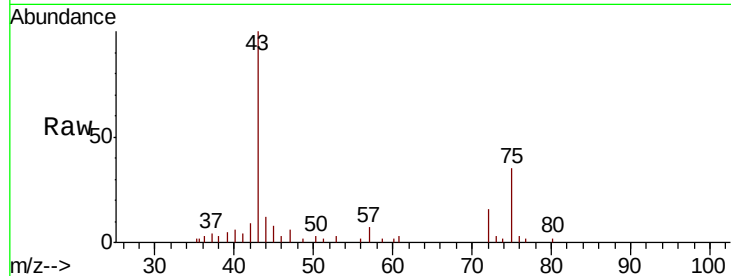
BP-VPB201R-GW-778-780

Tot Ion: 43 Resp: 9449

Ion Ratio Lower Upper

43 100

72 16.1 18.6 28.0#



#33

1,2-Dichloroethane-d4

Concen: 46.160 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008566.D

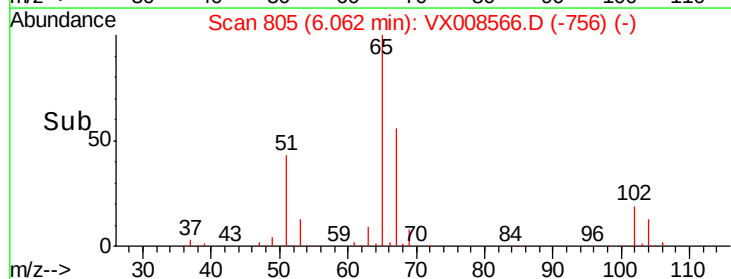
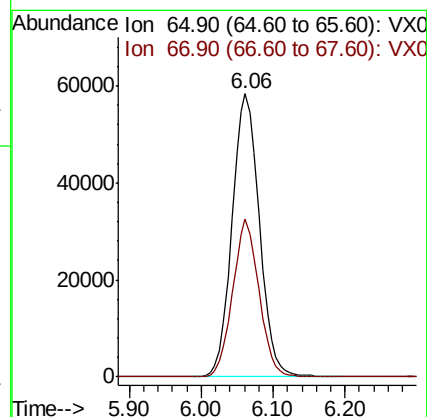
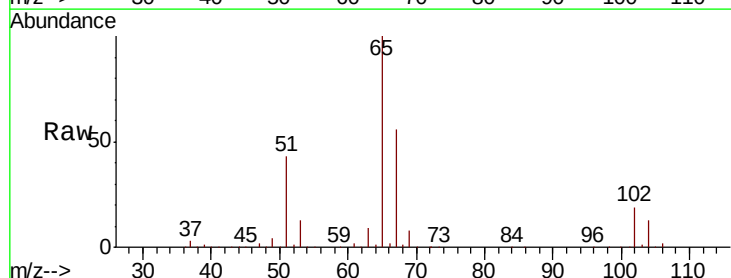
Acq: 01 Apr 2019 14:14

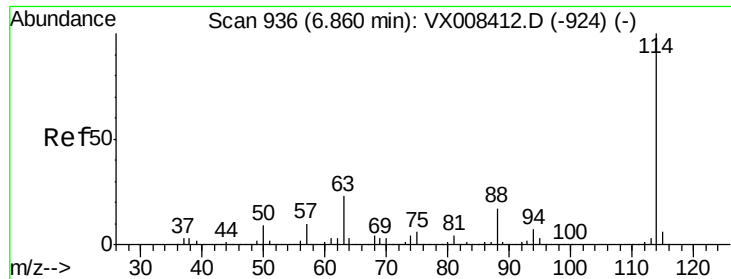
Tgt Ion: 65 Resp: 154097

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4

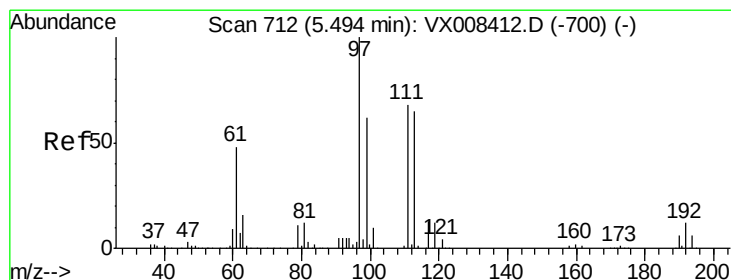
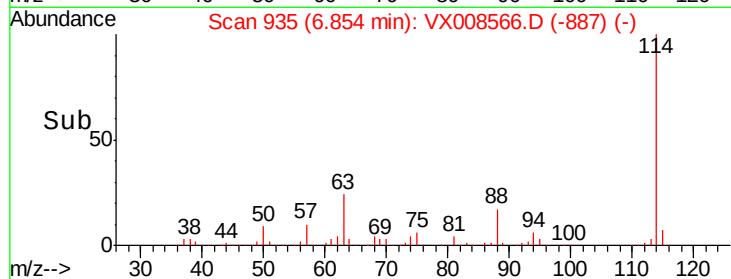
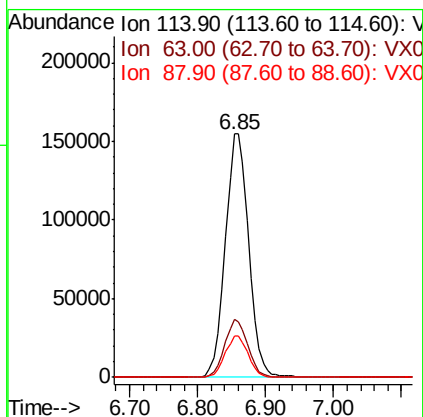
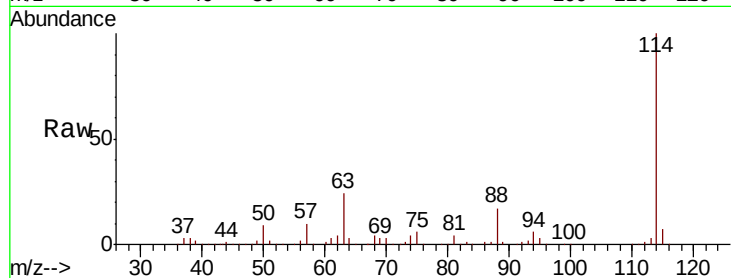




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX008566.D  
 Acq: 01 Apr 2019 14:14

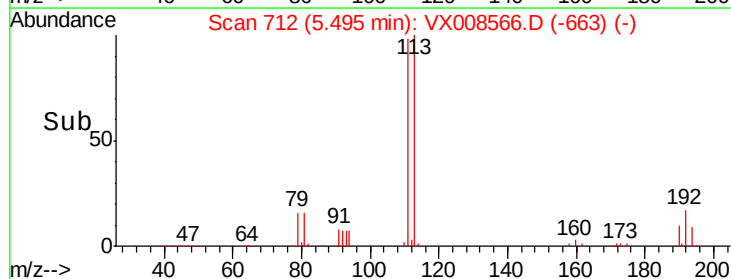
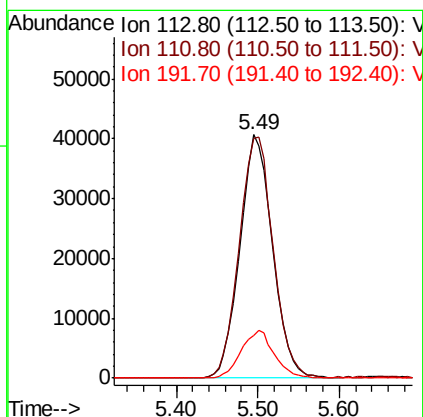
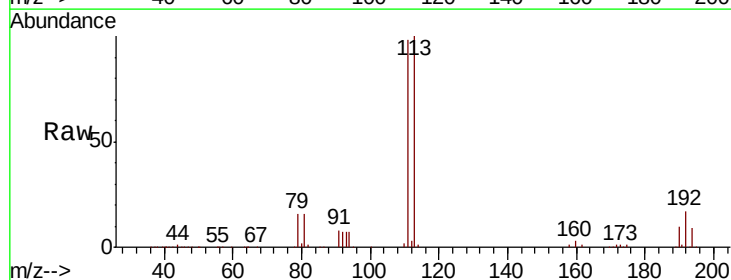
Instrument :  
 MSVOA\_X  
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 BP-VPB201R-GW-778-780

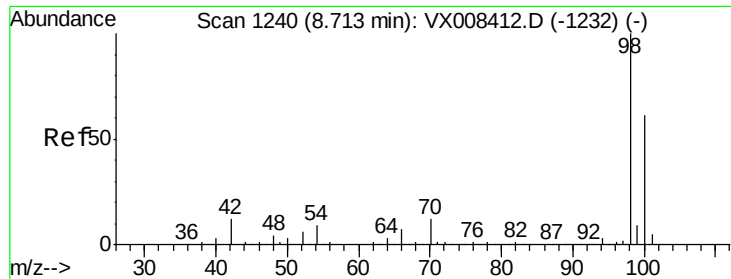
Tot Ion:114 Resp: 368480  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 46.4  
 88 16.9 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 47.102 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX008566.D  
 Acq: 01 Apr 2019 14:14

Tgt Ion:113 Resp: 113169  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 83.0 124.4  
 192 19.7 15.6 23.4

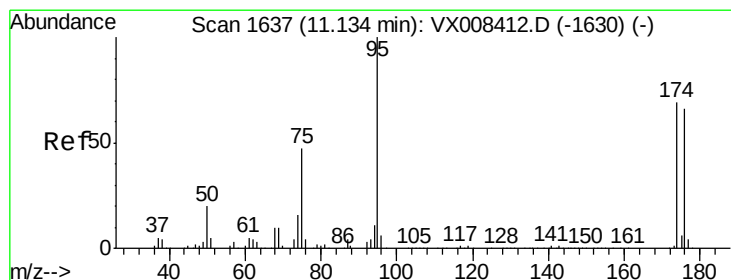
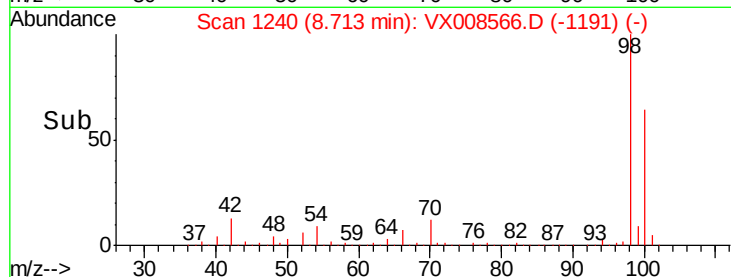
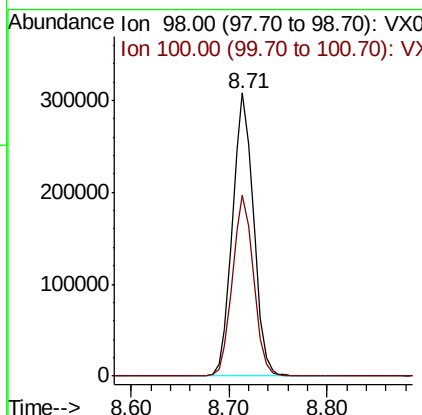
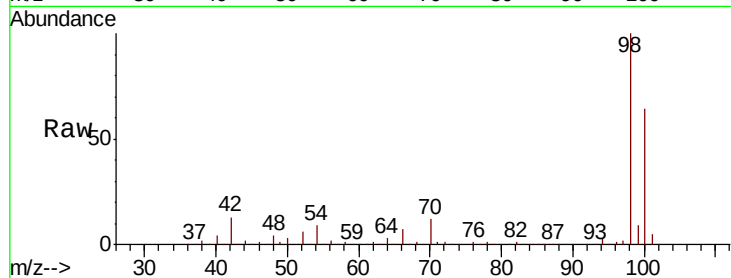




#50  
Toluene-d8  
Concen: 48.048 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX008566.D  
Acq: 01 Apr 2019 14:14

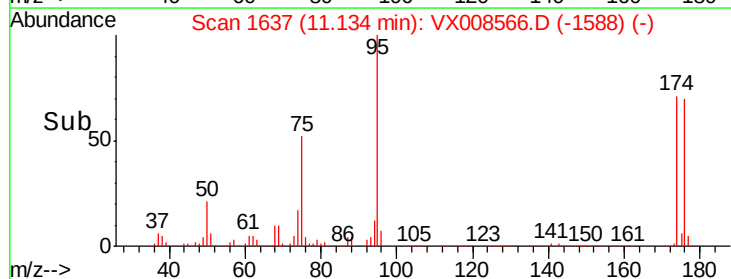
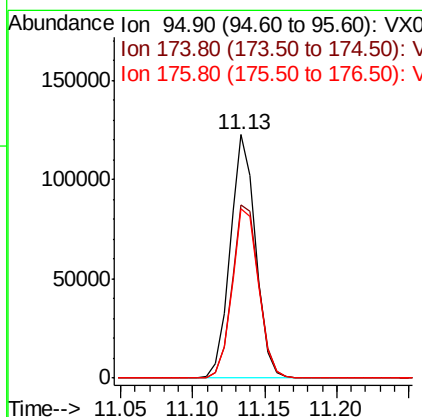
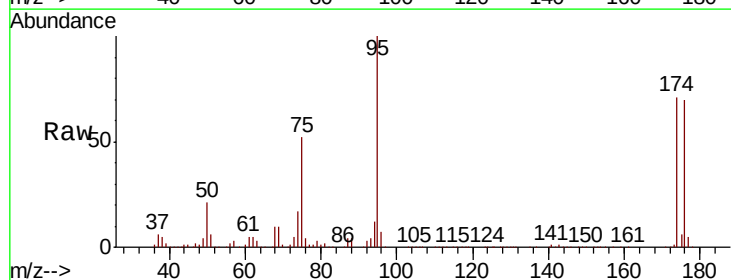
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MSVOA\_X  
ClientSampleId :  
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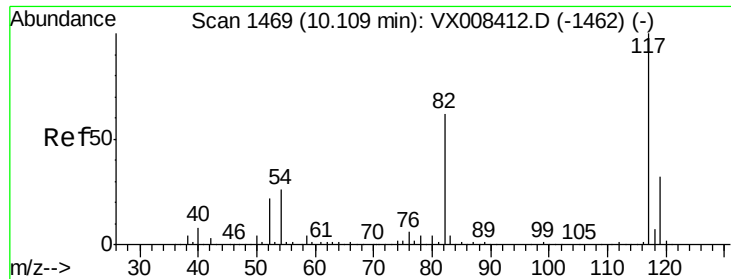
Tot Ion: 98 Resp: 461607  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 42.775 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX008566.D  
Acq: 01 Apr 2019 14:14

Tgt Ion: 95 Resp: 152284  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 147.2  
176 72.5 0.0 142.4

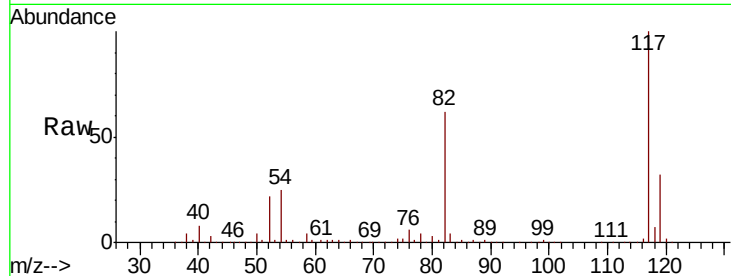




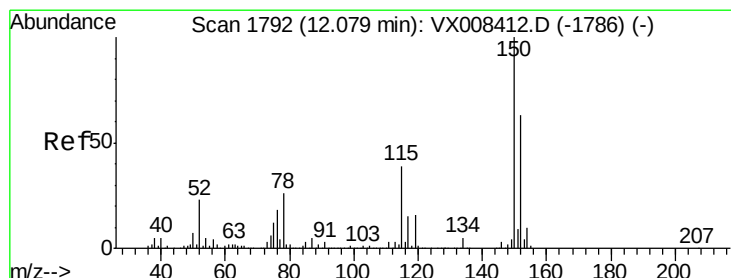
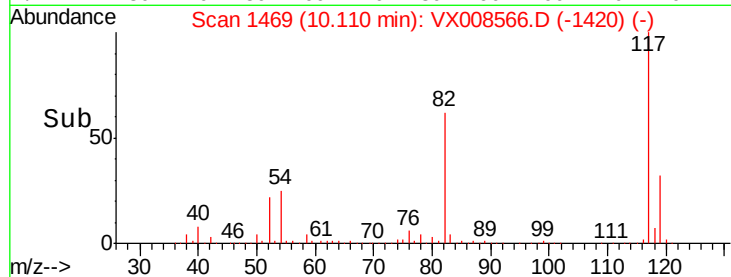
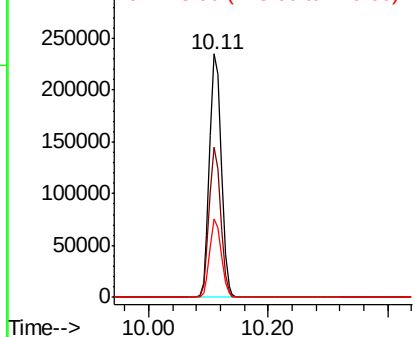
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008566.D  
Acq: 01 Apr 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB201R-GW-778-780

Tot Ion:117 Resp: 315797  
Ion Ratio Lower Upper  
117 100  
82 61.9 49.4 74.2  
119 32.3 25.4 38.0

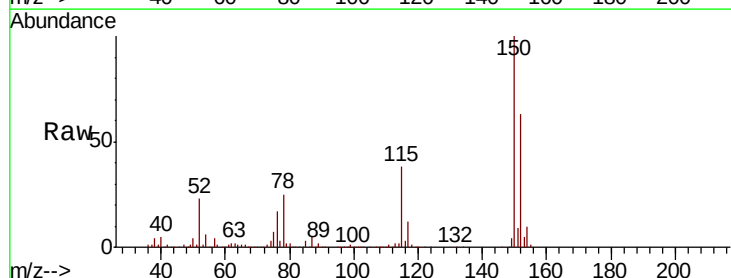


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX008566.D  
Acq: 01 Apr 2019 14:14

Tgt Ion:152 Resp: 121967  
Ion Ratio Lower Upper  
152 100  
115 61.4 43.5 130.5  
150 158.4 0.0 348.8



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

