

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\  
 Data File : VX003799.D  
 Acq On : 01 Aug 2018 17:33  
 Operator : JC/SP  
 Sample : J4143-06RE  
 Misc : 7.20G/5.0mL/MSVOA X/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-01(10-12)RE

Quant Time: Aug 02 06:51:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 11:17:41 2018  
 Response via : Initial Calibration

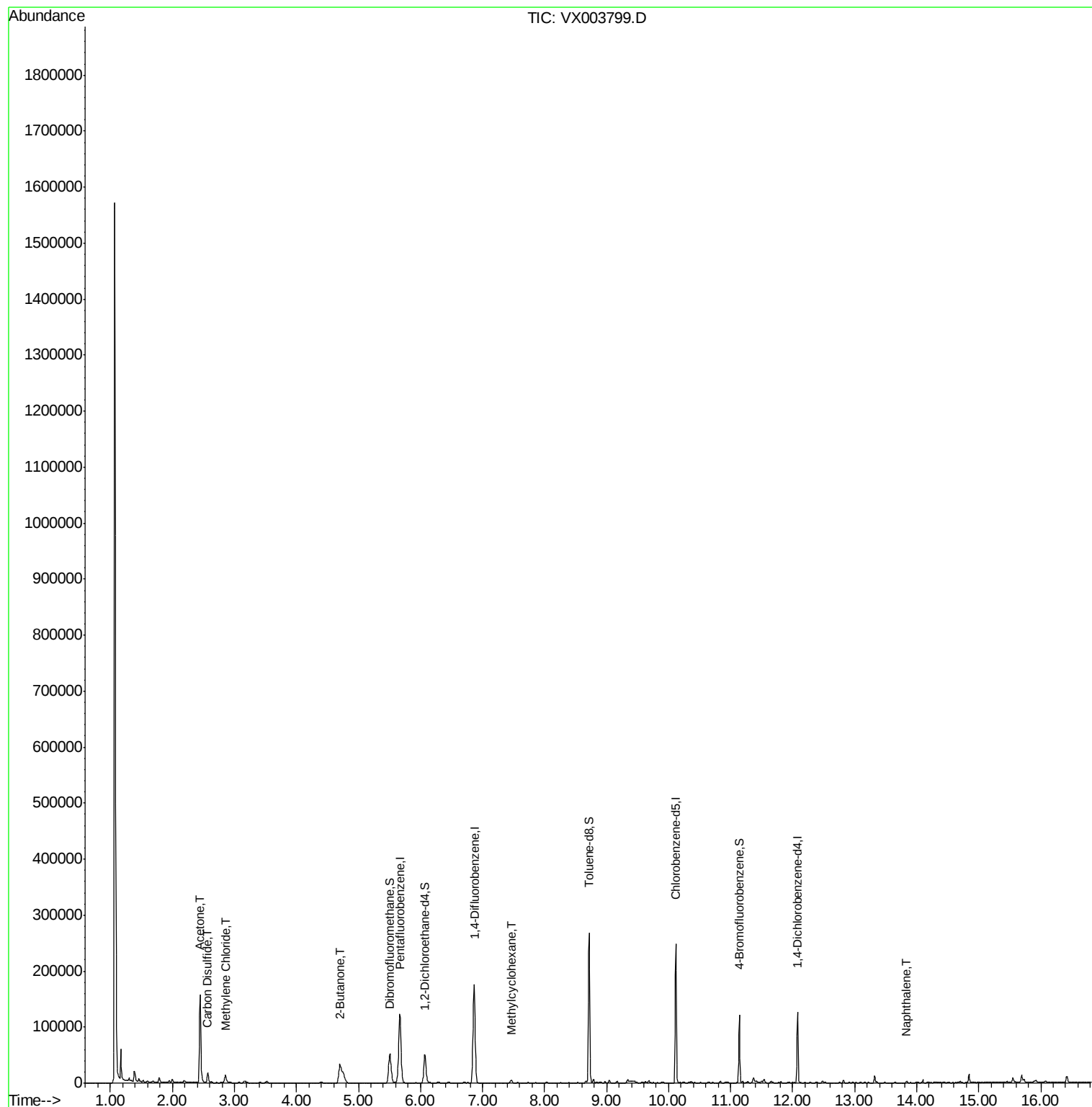
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 126418   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 182402   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 115221   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 27481    | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 47581    | 37.21   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 74.42% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 44128    | 41.09   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 82.18% |          |
| 50) Toluene-d8              | 8.72  | 98   | 157809   | 35.24   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 70.48% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 30086    | 18.22   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 36.44% |          |
| Target Compounds            |       |      |          |         |        |          |
|                             |       |      |          |         | Qvalue |          |
| 16) Acetone                 | 2.45  | 43   | 162834   | 333.421 | ug/l   | 100      |
| 17) Carbon Disulfide        | 2.57  | 76   | 22714    | 6.178   | ug/l   | 99       |
| 20) Methylene Chloride      | 2.85  | 84   | 6123     | 1.684   | ug/l   | 93       |
| 25) 2-Butanone              | 4.70  | 43   | 61614    | 86.544  | ug/l   | 99       |
| 39) Methylcyclohexane       | 7.46  | 83   | 2359     | 1.125   | ug/l   | 94       |
| 95) Naphthalene             | 13.83 | 128  | 2552     | 1.782   | ug/l   | 99       |

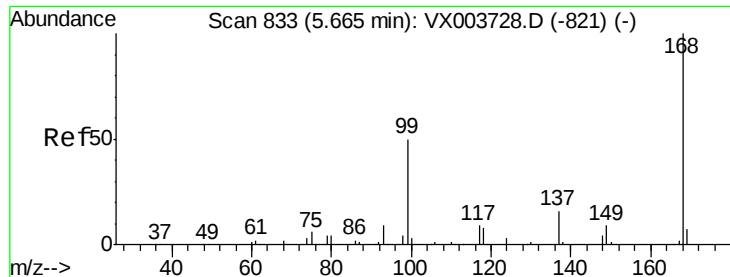
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080118\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-01(10-12)RE

Quant Time: Aug 02 06:51:09 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X073018S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 11:17:41 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA\_X

ClientSampleId :

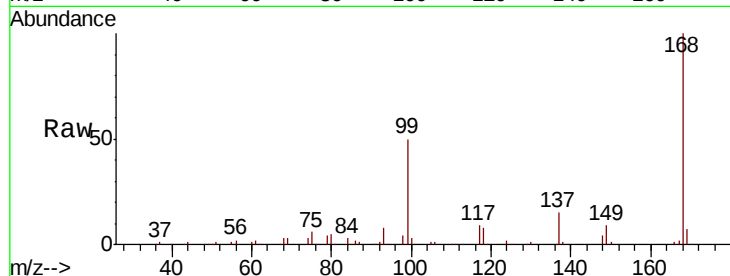
GW-01(10-12)RE

Tot Ion:168 Resp: 126418

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2

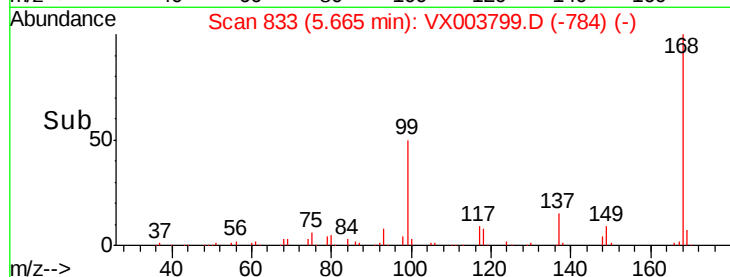


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

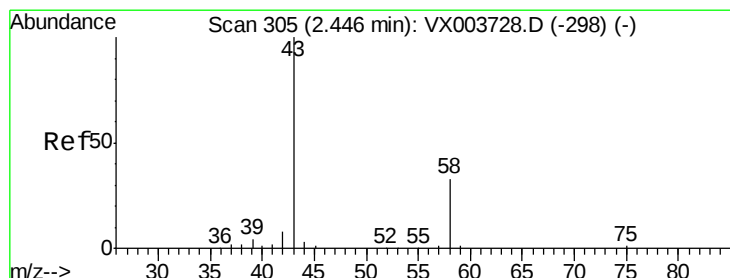
5.67

Time-->



5.67

Time-->



#16

Acetone

Concen: 333.421 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003799.D

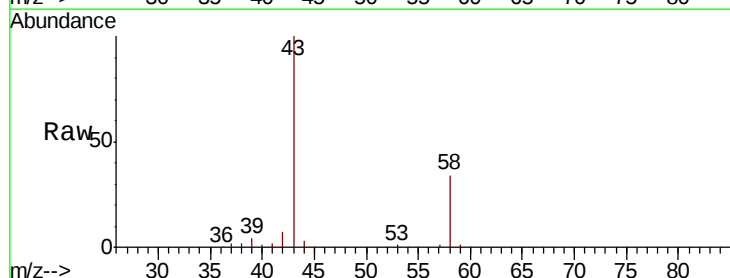
Acq: 01 Aug 2018 17:33

Tgt Ion: 43 Resp: 162834

Ion Ratio Lower Upper

43 100

58 33.6 26.7 40.1

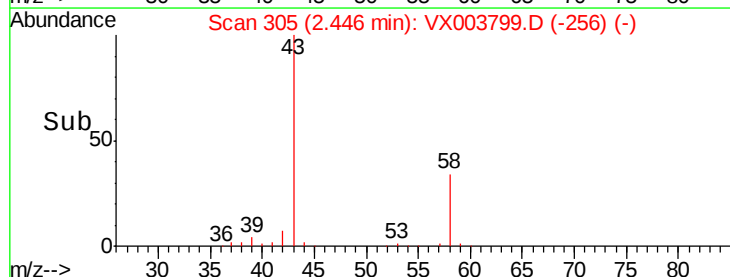


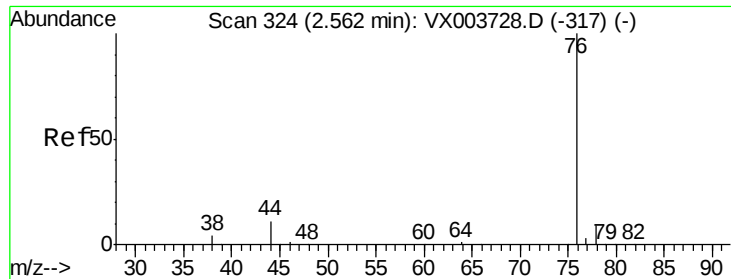
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->

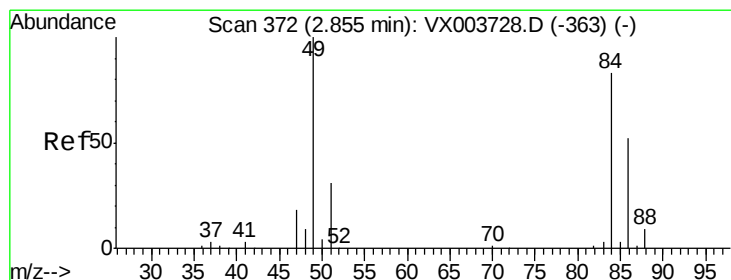
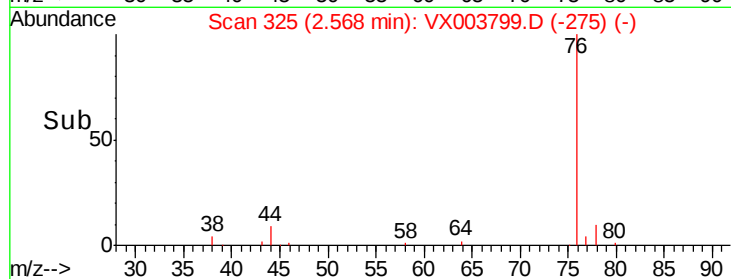
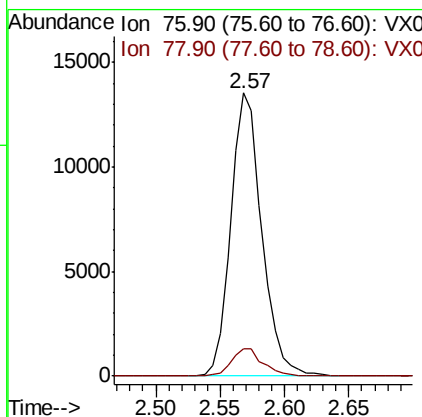
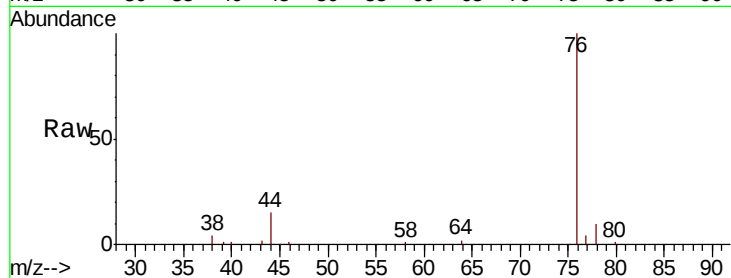




#17  
Carbon Disulfide  
Concen: 6.178 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.01 min  
Lab File: VX003799.D  
Acq: 01 Aug 2018 17:33

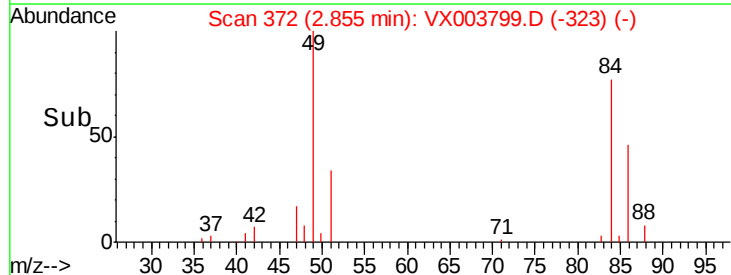
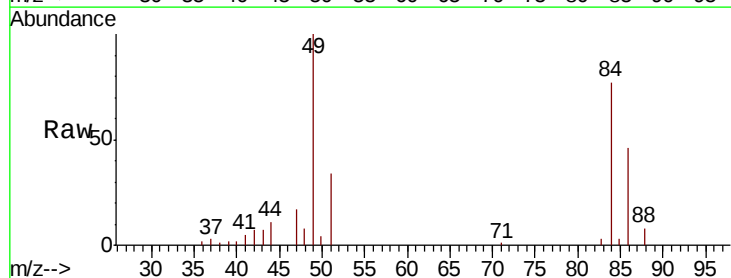
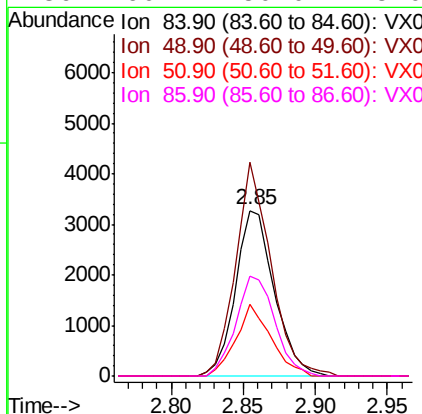
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-01(10-12)RE

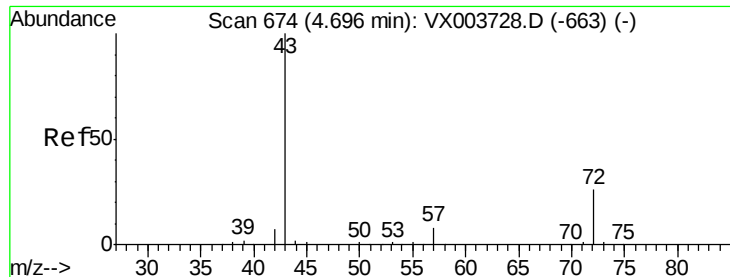
Tot Ion: 76 Resp: 22714  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.3 10.9



#20  
Methylene Chloride  
Concen: 1.684 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX003799.D  
Acq: 01 Aug 2018 17:33

Tgt Ion: 84 Resp: 6123  
Ion Ratio Lower Upper  
84 100  
49 129.3 95.8 143.8  
51 43.8 29.6 44.4  
86 60.1 50.0 75.0





#25

2-Butanone

Concen: 86.544 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA\_X

ClientSampleId :

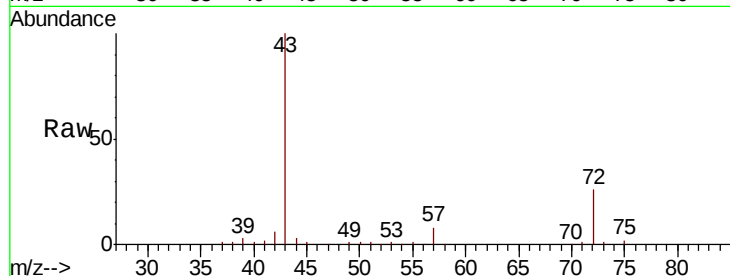
GW-01(10-12)RE

Tot Ion: 43 Resp: 61614

Ion Ratio Lower Upper

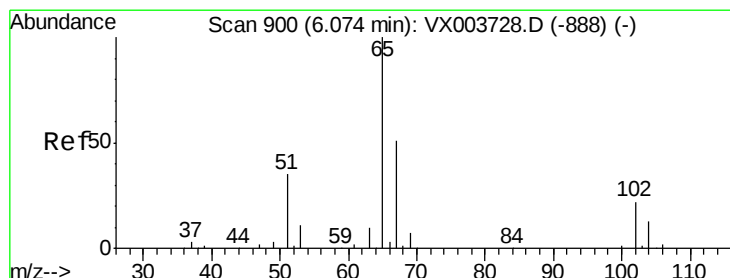
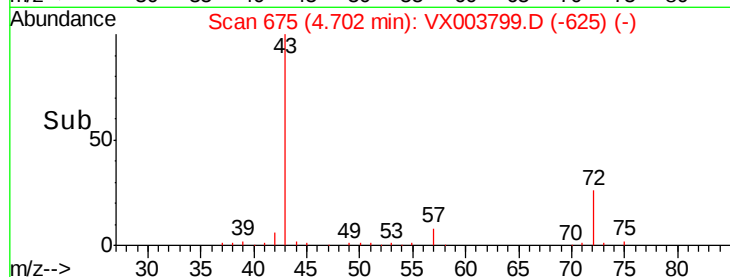
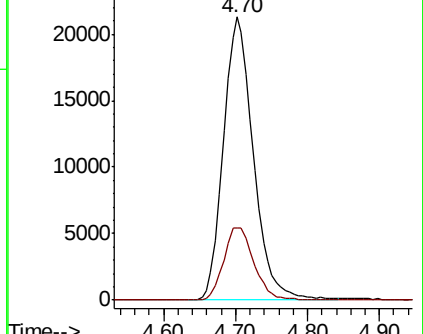
43 100

72 25.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX003728.D (-663) (-)

Ion 72.00 (71.70 to 72.70): VX003728.D (-663) (-)



#33

1,2-Dichloroethane-d4

Concen: 37.215 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003799.D

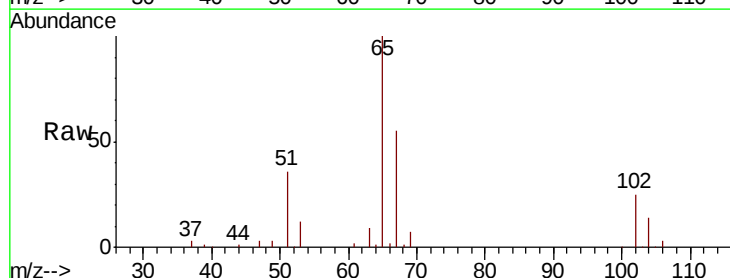
Acq: 01 Aug 2018 17:33

Tgt Ion: 65 Resp: 47581

Ion Ratio Lower Upper

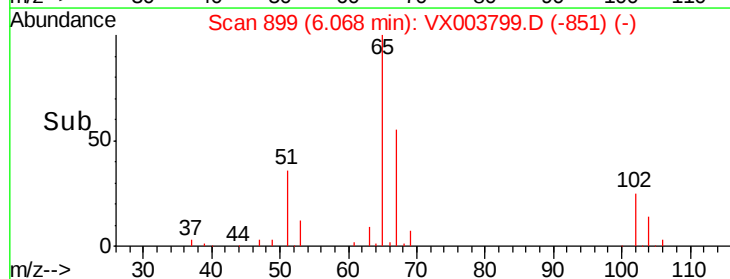
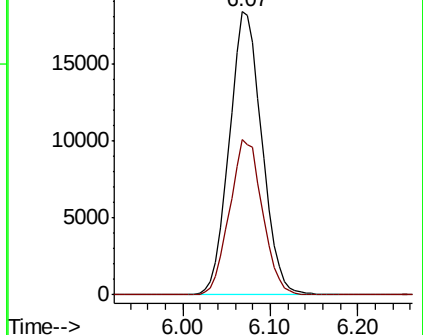
65 100

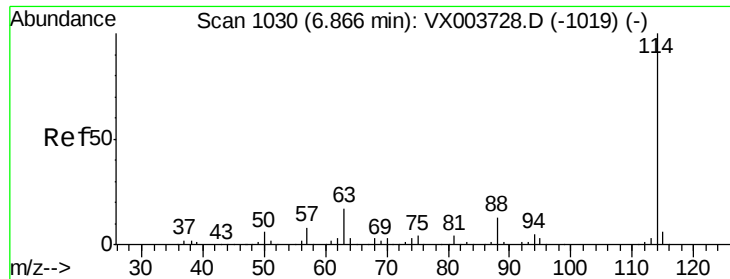
67 55.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX003728.D (-888) (-)

Ion 66.90 (66.60 to 67.60): VX003728.D (-888) (-)

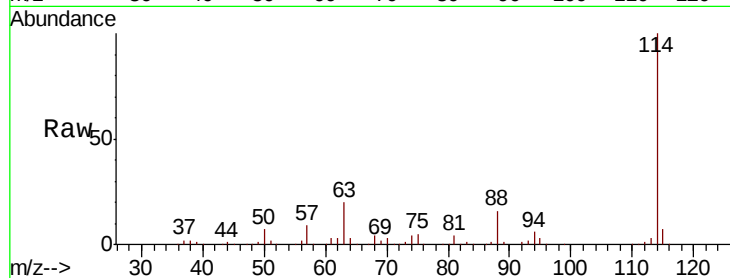




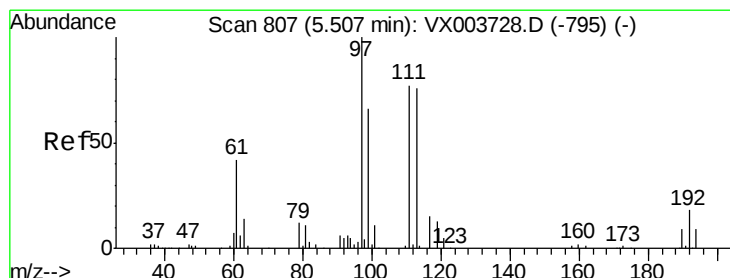
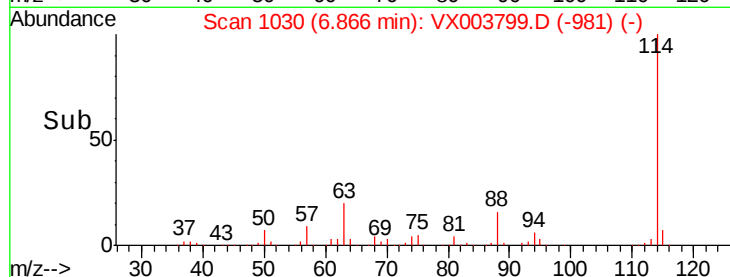
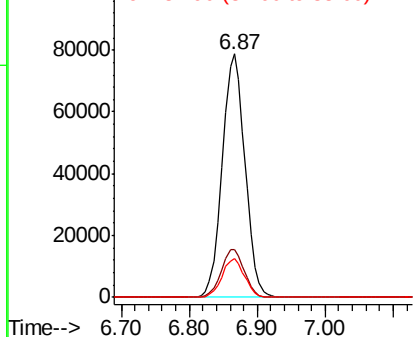
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.87 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VX003799.D  
Acq: 01 Aug 2018 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-01(10-12)RE

Tot Ion:114 Resp: 182402  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 34.0  
88 15.8 0.0 26.4

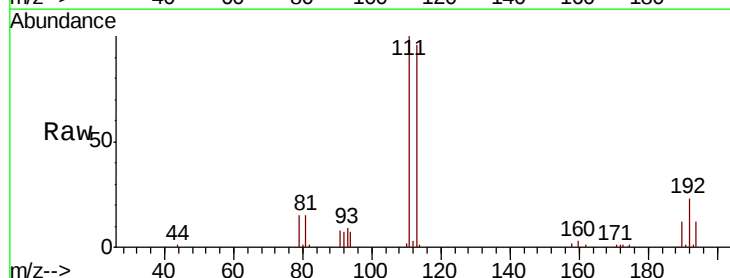


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

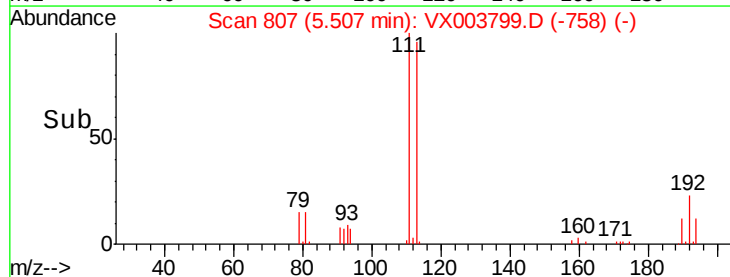
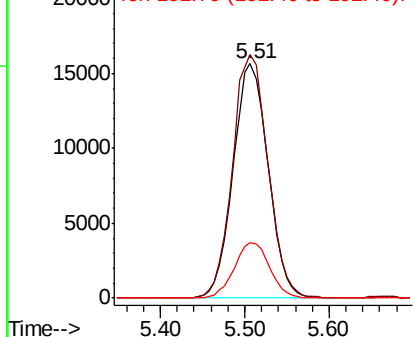


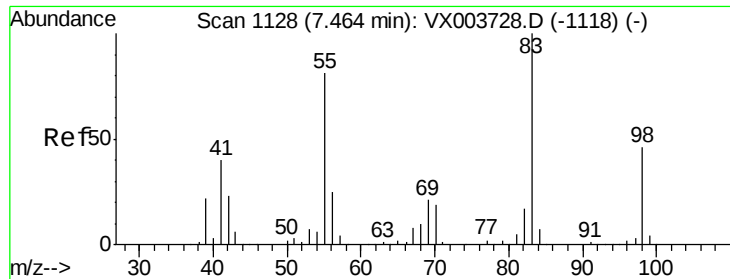
#35  
Dibromofluoromethane  
Concen: 41.086 ug/l  
RT: 5.51 min Scan# 807  
Delta R.T. -0.00 min  
Lab File: VX003799.D  
Acq: 01 Aug 2018 17:33

Tgt Ion:113 Resp: 44128  
Ion Ratio Lower Upper  
113 100  
111 104.8 81.8 122.6  
192 23.7 18.8 28.2



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

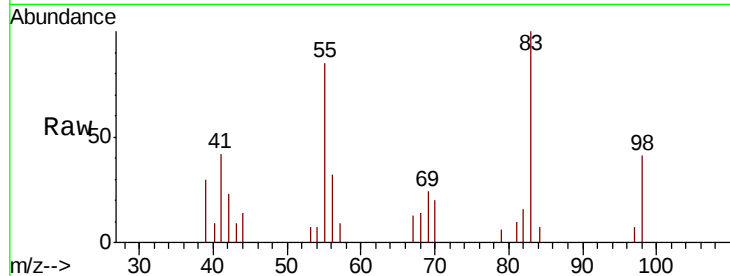




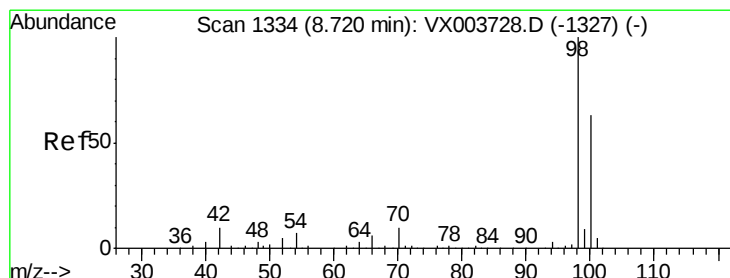
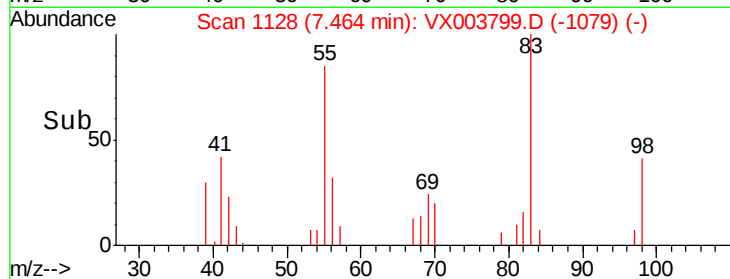
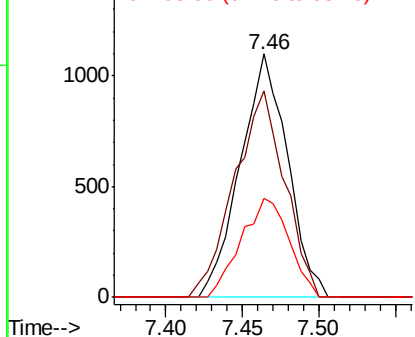
#39  
Methvlcvclohexane  
Concen: 1.125 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX003799.D  
Acq: 01 Aug 2018 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-01(10-12)RE

Tot Ion: 83 Resp: 2359  
Ion Ratio Lower Upper  
83 100  
55 84.7 65.0 97.6  
98 40.8 37.1 55.7

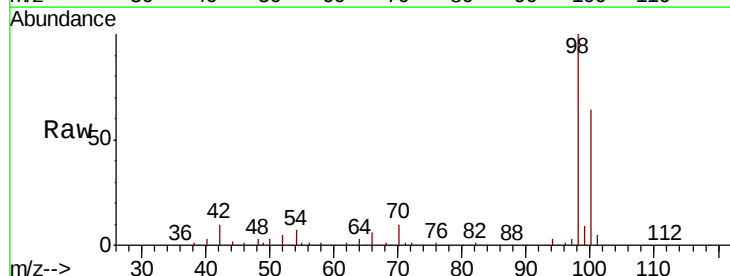


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

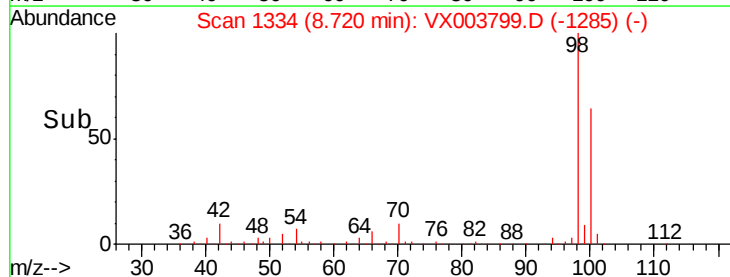
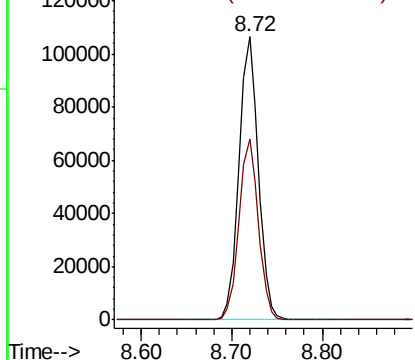


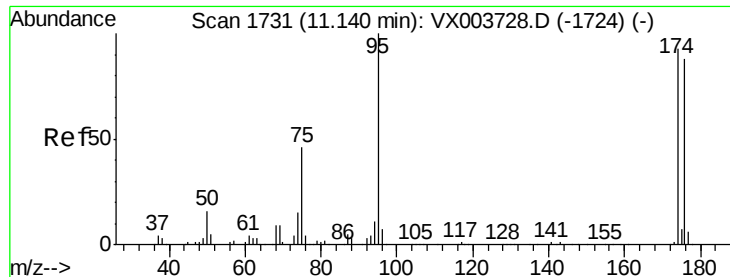
#50  
Toluene-d8  
Concen: 35.241 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX003799.D  
Acq: 01 Aug 2018 17:33

Tgt Ion: 98 Resp: 157809  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 18.222 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA\_X

ClientSampleId :

GW-01(10-12)RE

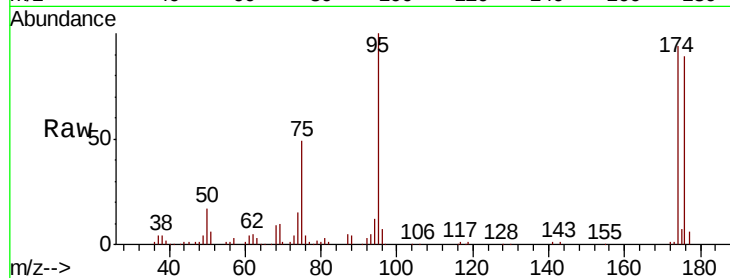
Tot Ion: 95 Resp: 30086

Ion Ratio Lower Upper

95 100

174 95.6 0.0 186.2

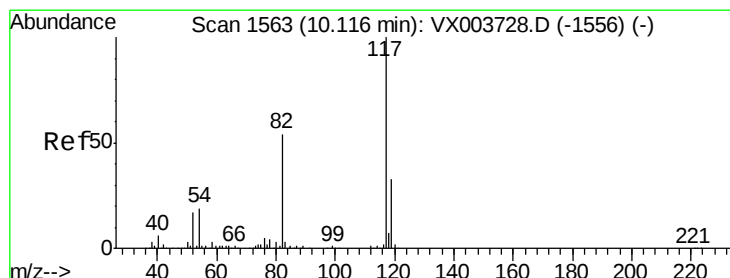
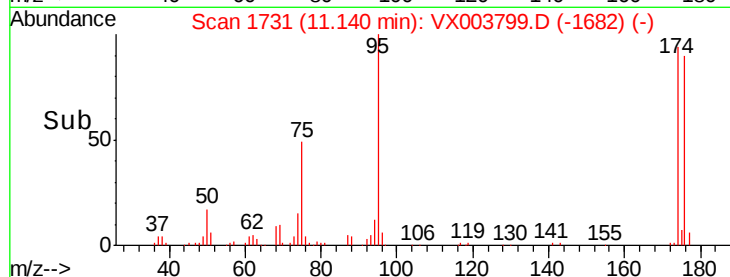
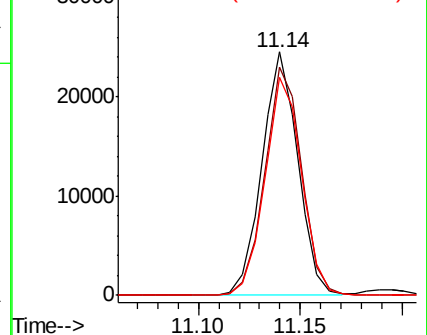
176 91.0 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX003728.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003728.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003728.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

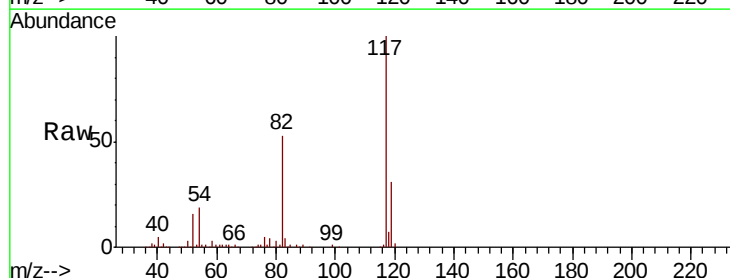
Tgt Ion: 117 Resp: 115221

Ion Ratio Lower Upper

117 100

82 53.2 43.2 64.8

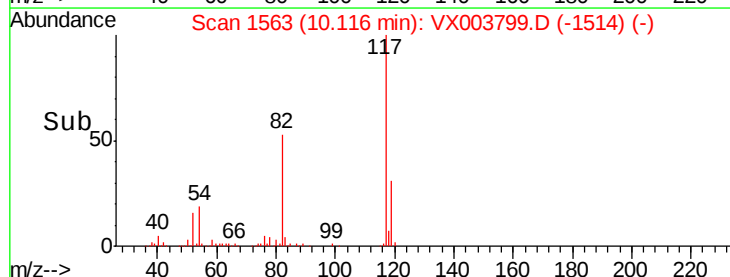
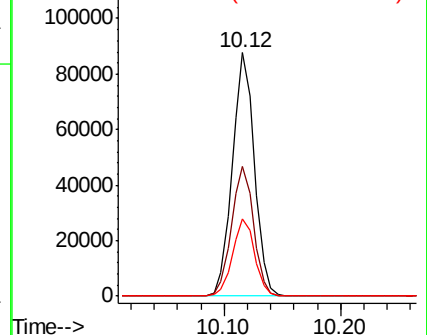
119 31.5 26.3 39.5

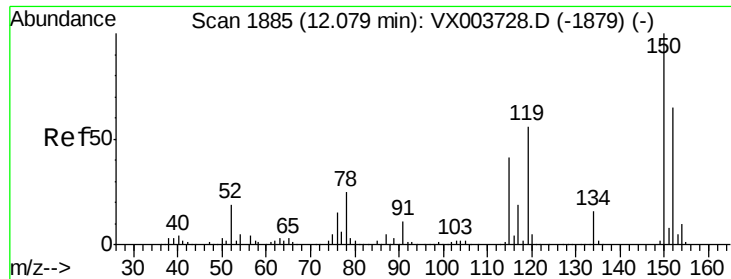


Abundance Ion 116.90 (116.60 to 117.60): VX003728.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003728.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003728.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA\_X

ClientSampleId :

GW-01(10-12)RE

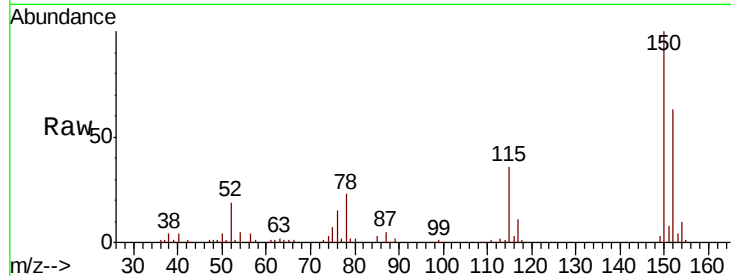
Tot Ion:152 Resp: 27481

Ion Ratio Lower Upper

152 100

115 54.2 38.5 115.3

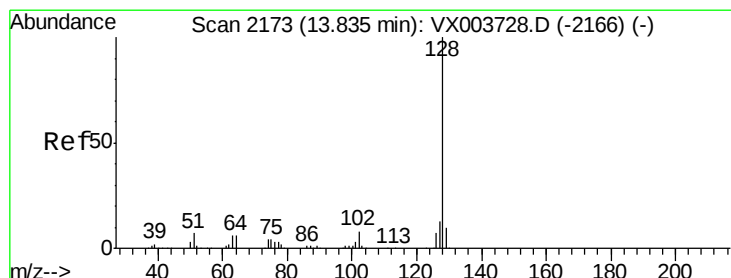
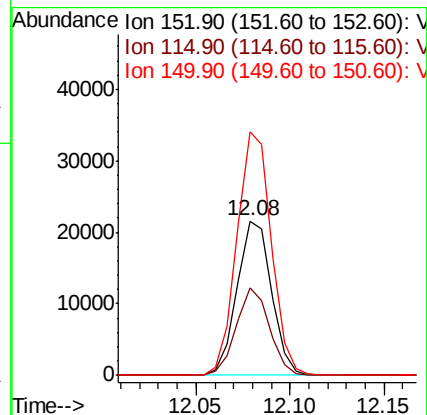
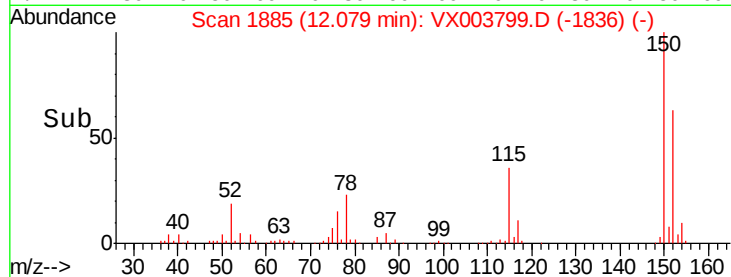
150 157.4 0.0 346.2



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: 1.782 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

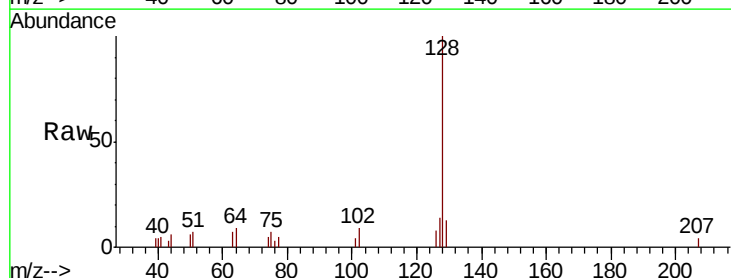
Tgt Ion:128 Resp: 2552

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.2 8.7 13.1



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

