

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\  
 Data File : VX005870.D  
 Acq On : 09 Nov 2018 19:05  
 Operator : JC/MD  
 Sample : J5884-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-3-S

Quant Time: Nov 12 01:10:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

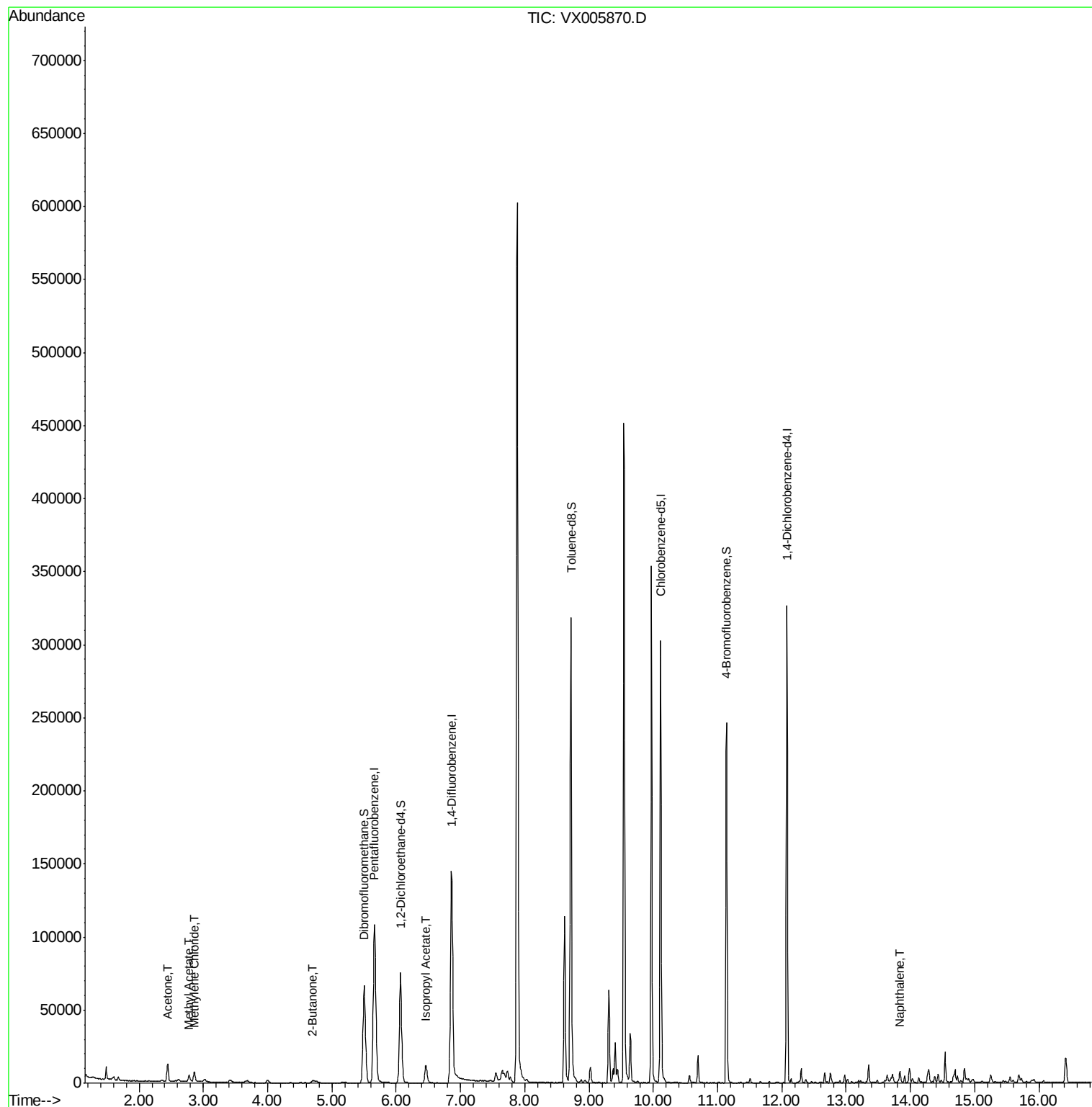
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66   | 168  | 112509   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86   | 114  | 148653   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12  | 117  | 141036   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08  | 152  | 66230    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65   | 67723    | 52.36  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 104.72% |          |
| 35) Dibromofluoromethane    | 5.50   | 113  | 54486    | 53.89  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 107.78% |          |
| 50) Toluene-d8              | 8.72   | 98   | 191107   | 56.85  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 113.70% |          |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 62571    | 51.77  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 103.54% |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        | Qvalue  |          |
| 16) Acetone                 | 2.45   | 43   | 13045    | 18.732 | ug/l    | 94       |
| 18) Methyl Acetate          | 2.78   | 43   | 5799     | 1.674  | ug/l    | 100      |
| 20) Methylene Chloride      | 2.86   | 84   | 2809     | 2.455  | ug/l    | 90       |
| 25) 2-Butanone              | 4.70   | 43   | 3438     | 3.140  | ug/l #  | 81       |
| 43) Isopropyl Acetate       | 6.46   | 43   | 16168    | 5.921  | ug/l    | 99       |
| 95) Naphthalene             | 13.83  | 128  | 4731     | 2.147  | ug/l #  | 95       |

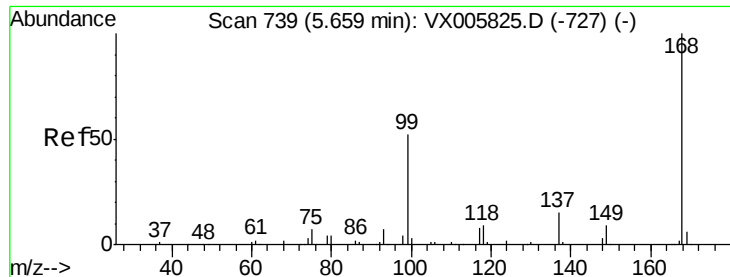
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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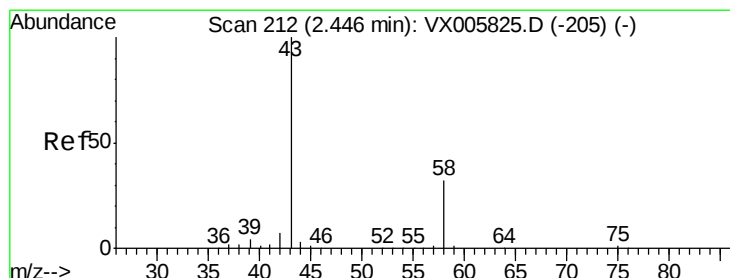
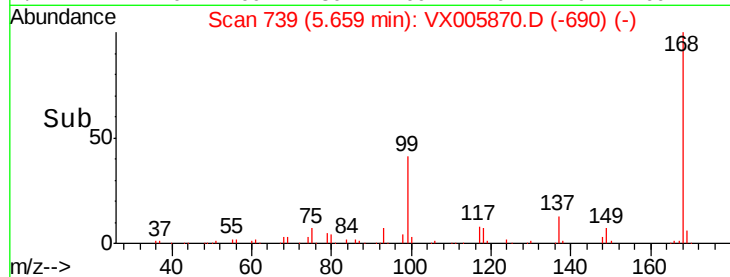
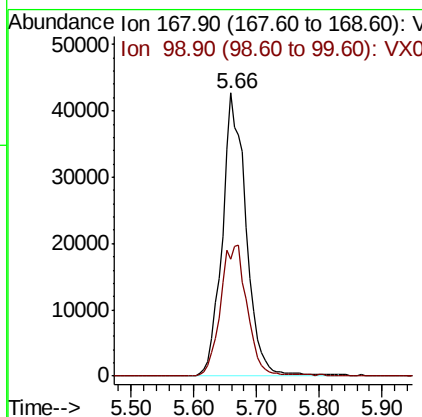
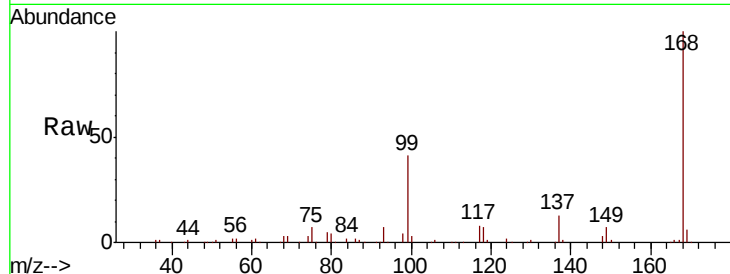




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. -0.00 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

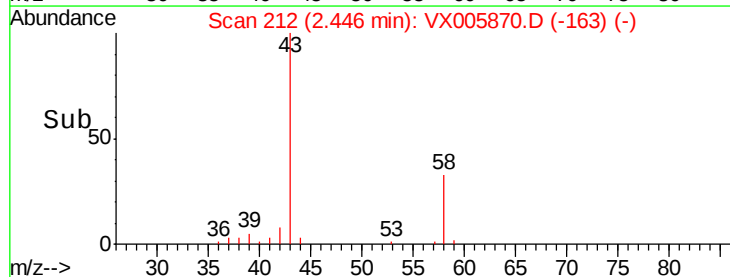
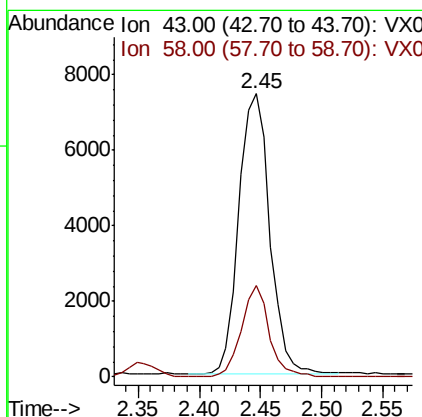
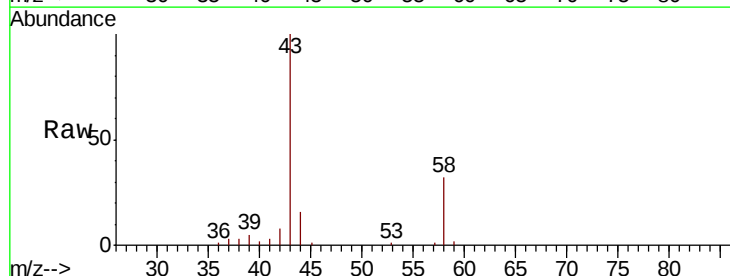
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

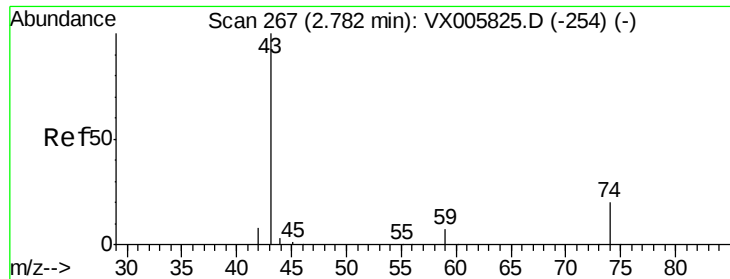
Tot Ion:168 Resp: 112509  
Ion Ratio Lower Upper  
168 100  
99 41.1 40.7 61.1



#16  
Acetone  
Concen: 18.732 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

Tgt Ion: 43 Resp: 13045  
Ion Ratio Lower Upper  
43 100  
58 32.7 23.8 35.6

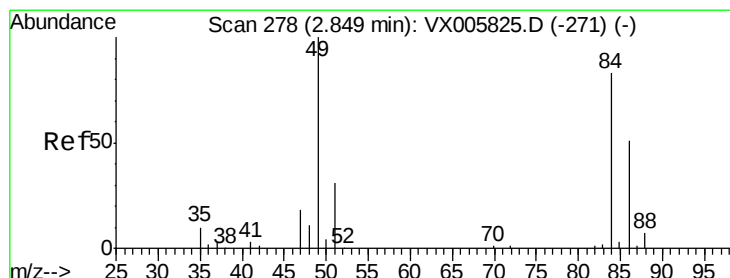
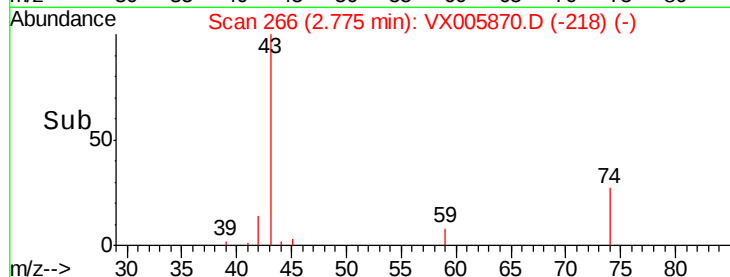
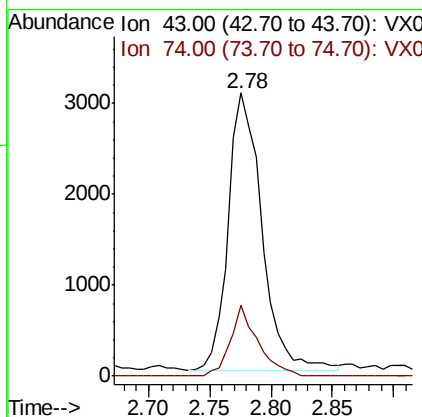
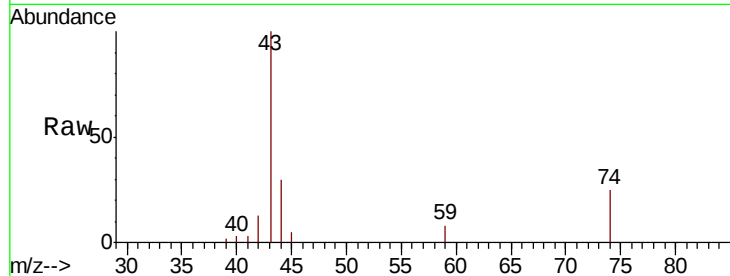




#18  
Methvl Acetate  
Concen: 1.674 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.01 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

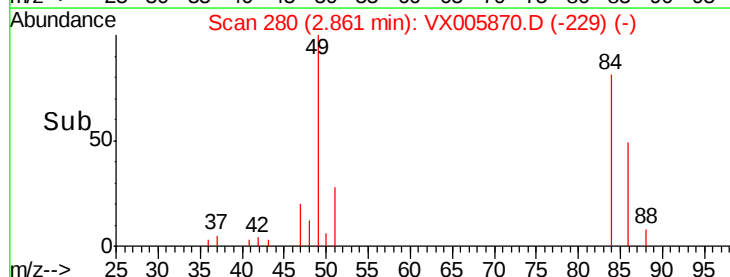
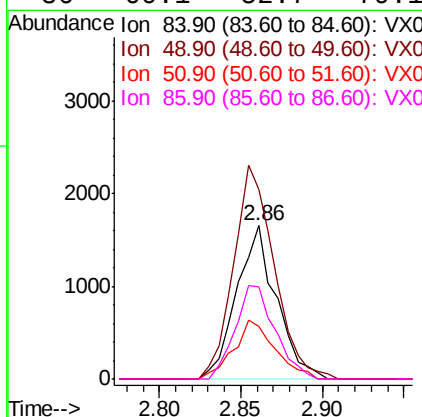
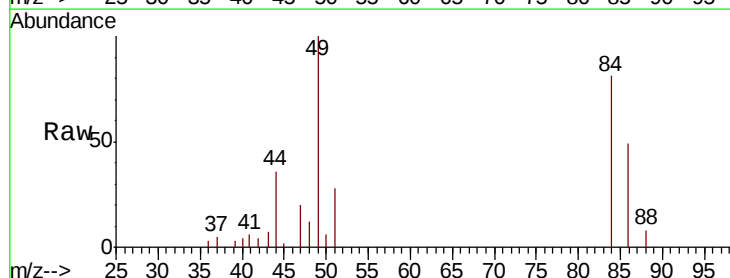
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

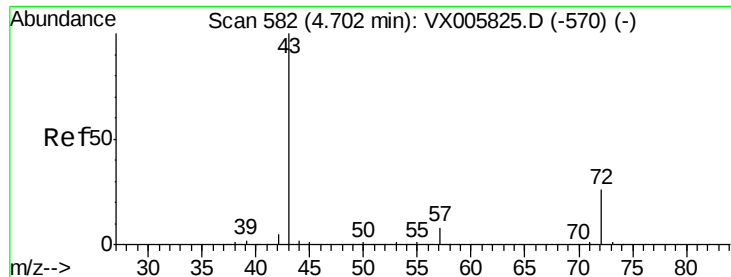
Tot Ion: 43 Resp: 5799  
Ion Ratio Lower Upper  
43 100  
74 20.9 16.8 25.2



#20  
Methylene Chloride  
Concen: 2.455 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

Tgt Ion: 84 Resp: 2809  
Ion Ratio Lower Upper  
84 100  
49 123.3 109.5 164.3  
51 34.1 33.3 49.9  
86 60.1 52.7 79.1





#25

2-Butanone

Concen: 3.140 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005870.D

Acq: 09 Nov 2018 19:05

Instrument :

MSVOA\_X

ClientSampled :

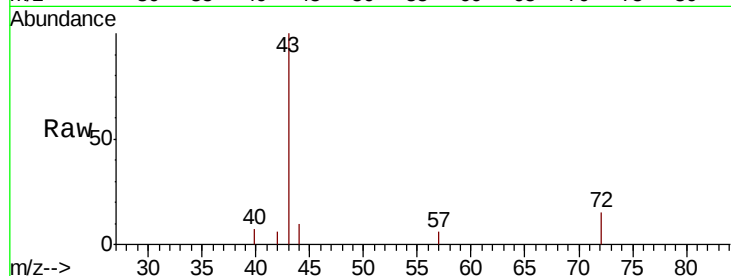
TP-3-S

Tot Ion: 43 Resp: 3438

Ion Ratio Lower Upper

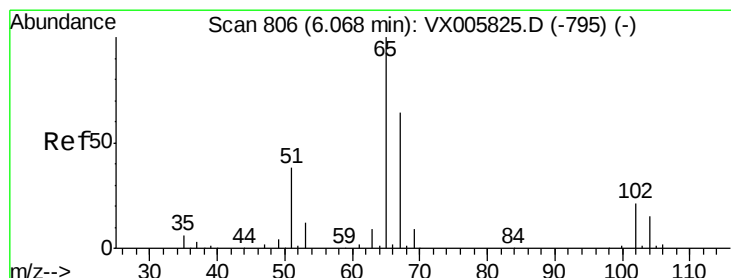
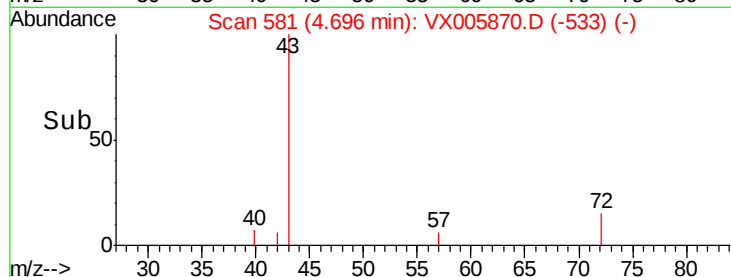
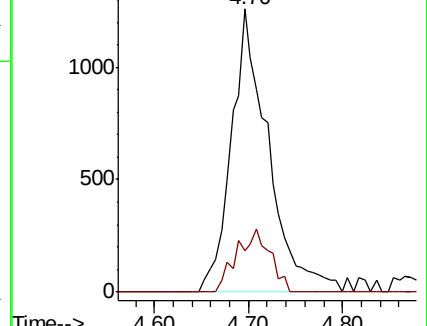
43 100

72 14.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.359 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005870.D

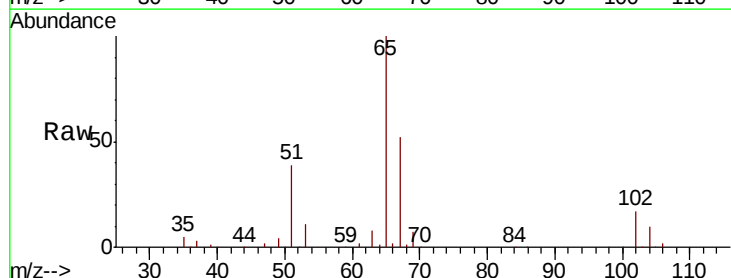
Acq: 09 Nov 2018 19:05

Tgt Ion: 65 Resp: 67723

Ion Ratio Lower Upper

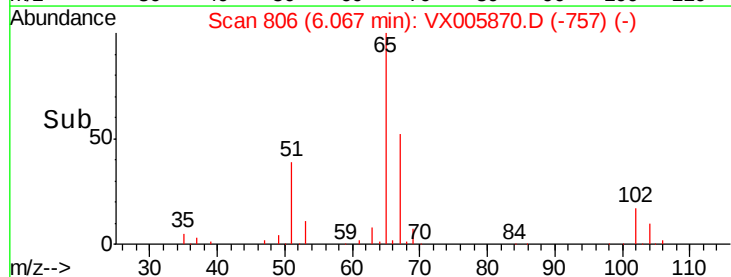
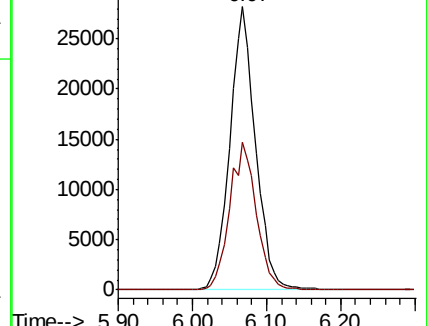
65 100

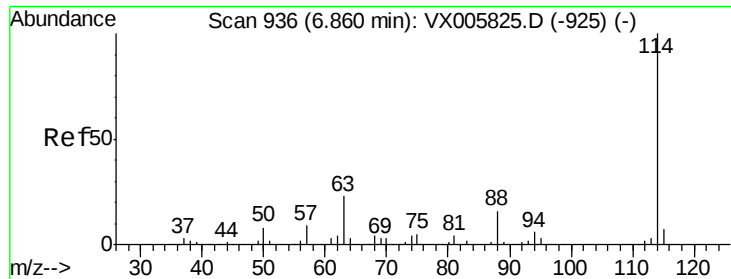
67 54.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

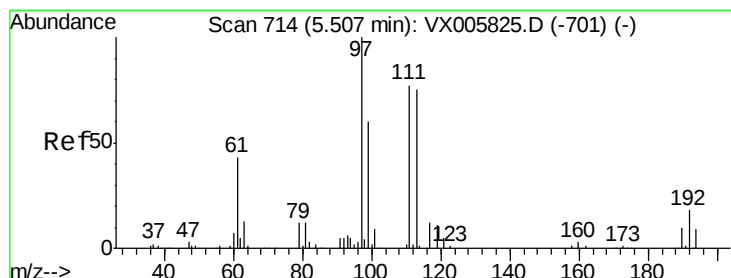
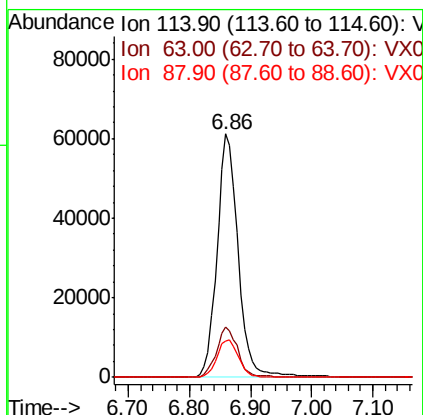
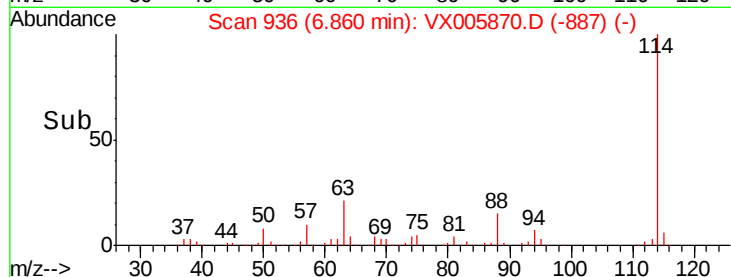
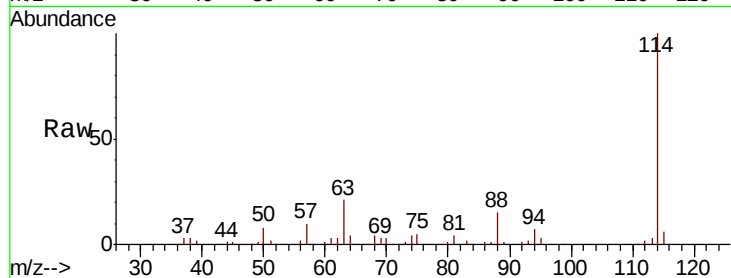




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. -0.00 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

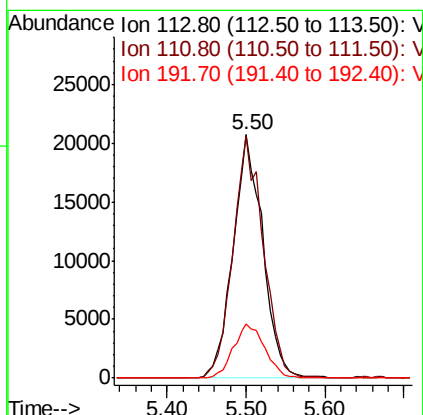
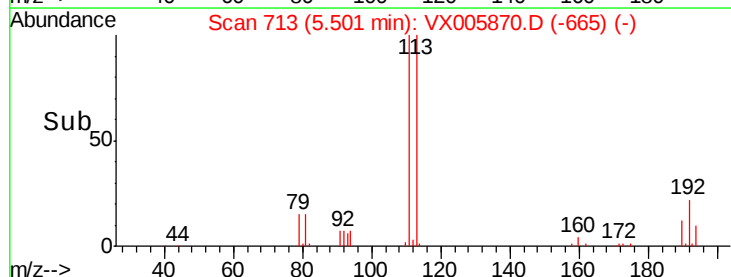
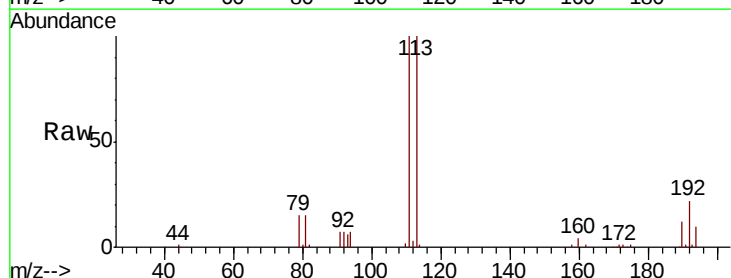
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-S

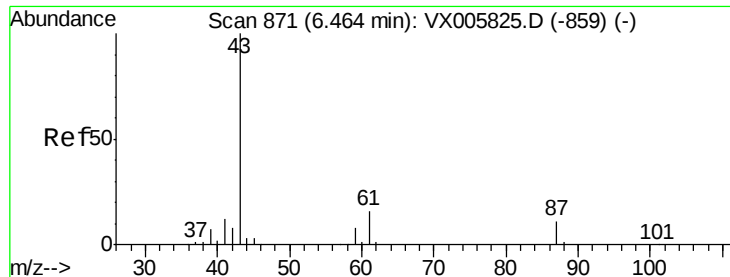
Tot Ion:114 Resp: 148653  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 42.8  
88 15.0 0.0 31.2



#35  
Dibromofluoromethane  
Concen: 53.890 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.01 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

Tgt Ion:113 Resp: 54486  
Ion Ratio Lower Upper  
113 100  
111 100.9 82.3 123.5  
192 23.3 17.9 26.9





#43

Isopropyl Acetate

Concen: 5.921 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005870.D

Acq: 09 Nov 2018 19:05

Instrument :

MSVOA\_X

ClientSampled :

TP-3-S

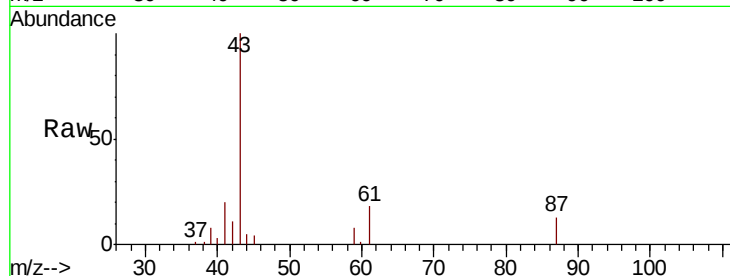
Tot Ion: 43 Resp: 16168

Ion Ratio Lower Upper

43 100

61 18.8 14.6 22.0

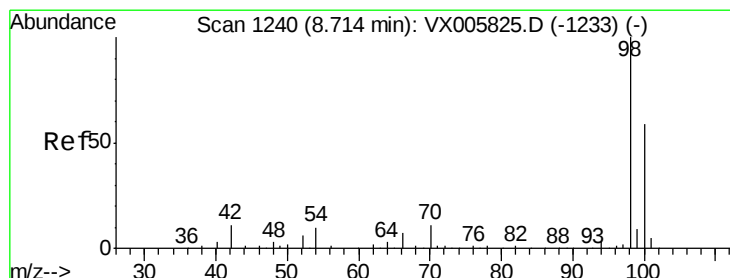
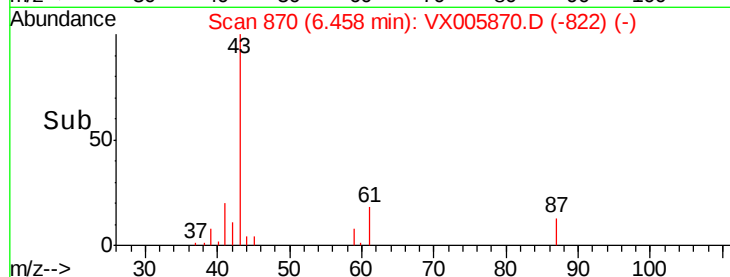
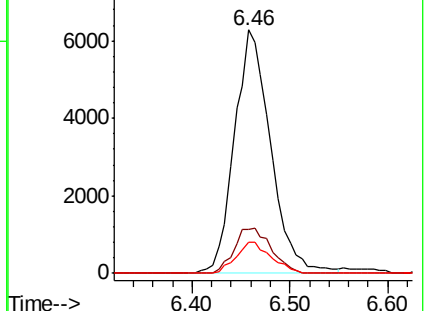
87 12.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 56.854 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005870.D

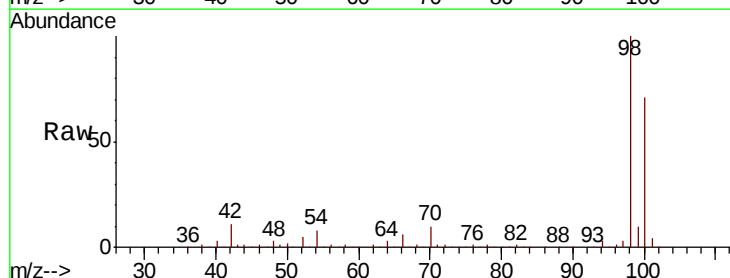
Acq: 09 Nov 2018 19:05

Tgt Ion: 98 Resp: 191107

Ion Ratio Lower Upper

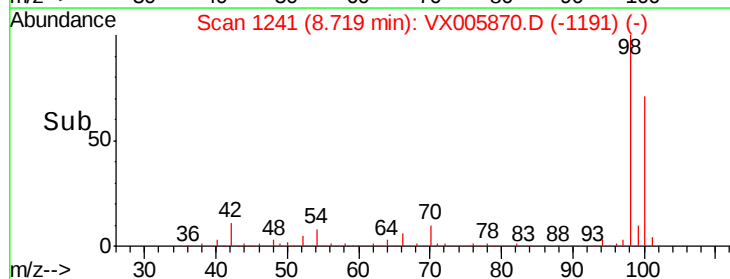
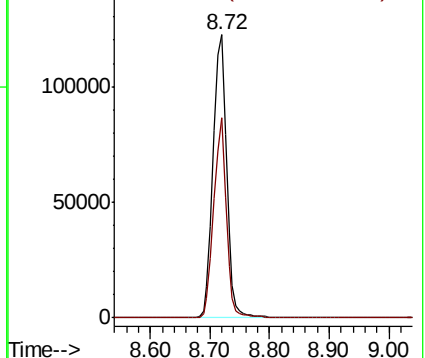
98 100

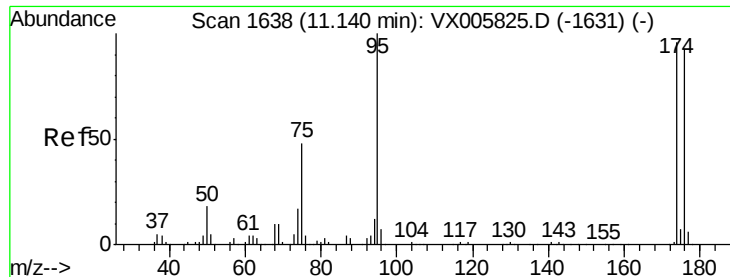
100 65.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

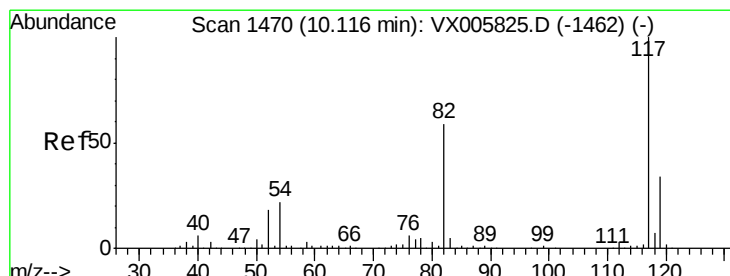
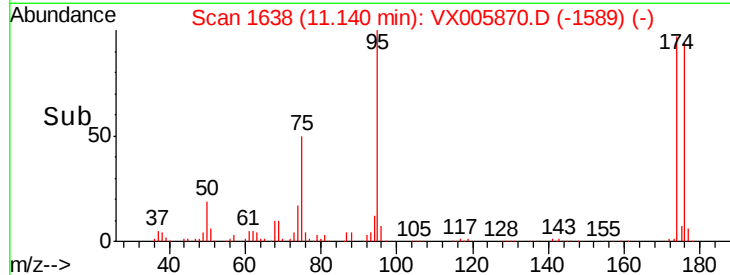
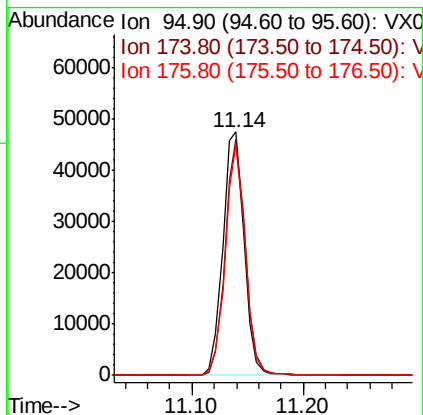
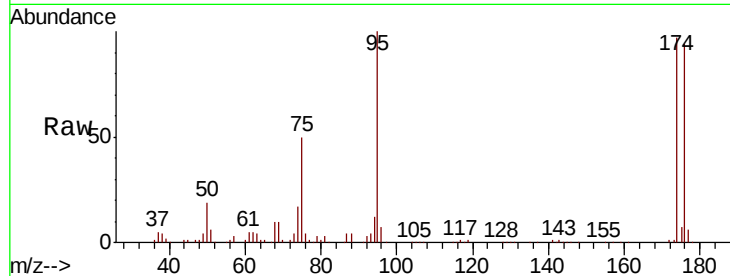




#62  
4-Bromofluorobenzene  
Concen: 51.774 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

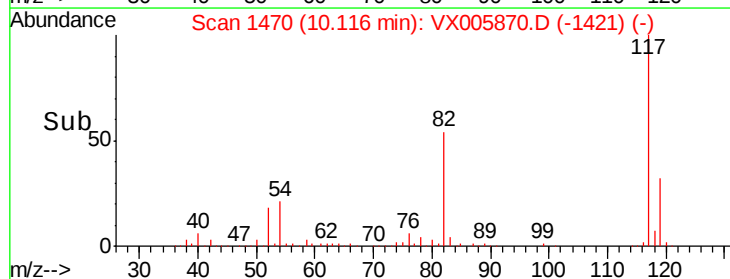
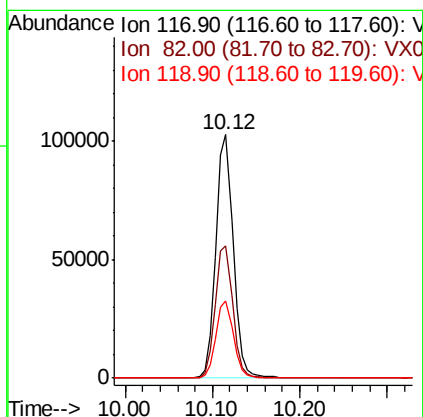
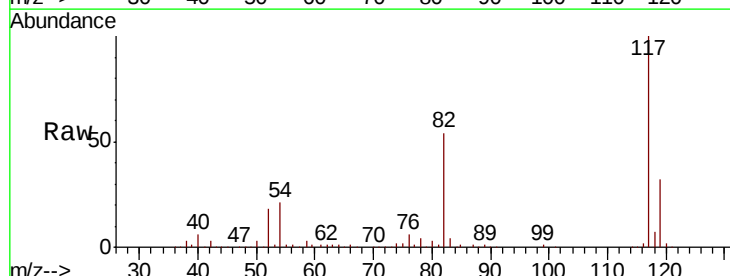
Instrument :  
MSVOA\_X  
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TP-3-S

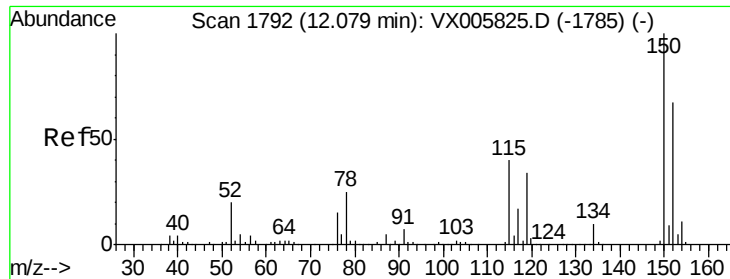
Tot Ion: 95 Resp: 62571  
Ion Ratio Lower Upper  
95 100  
174 91.6 0.0 184.4  
176 88.6 0.0 177.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005870.D  
Acq: 09 Nov 2018 19:05

Tgt Ion: 117 Resp: 141036  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.1 66.1  
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005870.D

Acq: 09 Nov 2018 19:05

Instrument :

MSVOA\_X

ClientSampleId :

TP-3-S

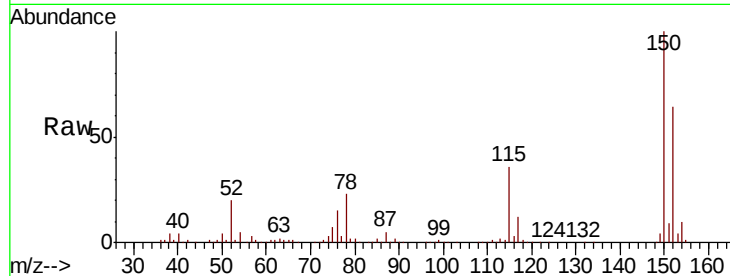
Tot Ion:152 Resp: 66230

Ion Ratio Lower Upper

152 100

115 56.3 39.4 118.1

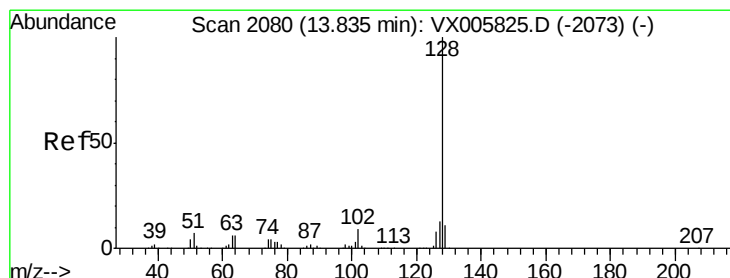
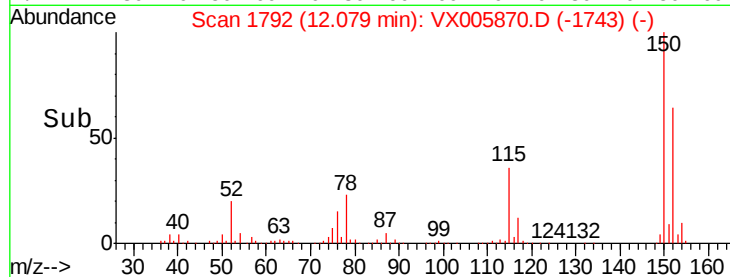
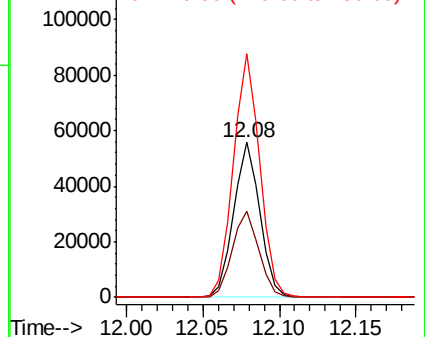
150 157.7 0.0 346.4



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: 2.147 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005870.D

Acq: 09 Nov 2018 19:05

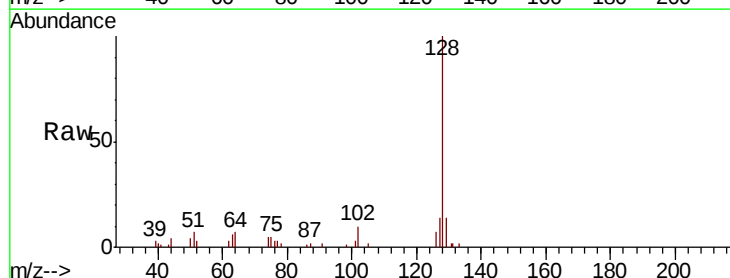
Tgt Ion:128 Resp: 4731

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 14.1 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

