

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\  
 Data File : VX005954.D  
 Acq On : 13 Nov 2018 17:40  
 Operator : JC/MD  
 Sample : J5908-28  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SR-6-S

Quant Time: Nov 14 04:23:47 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

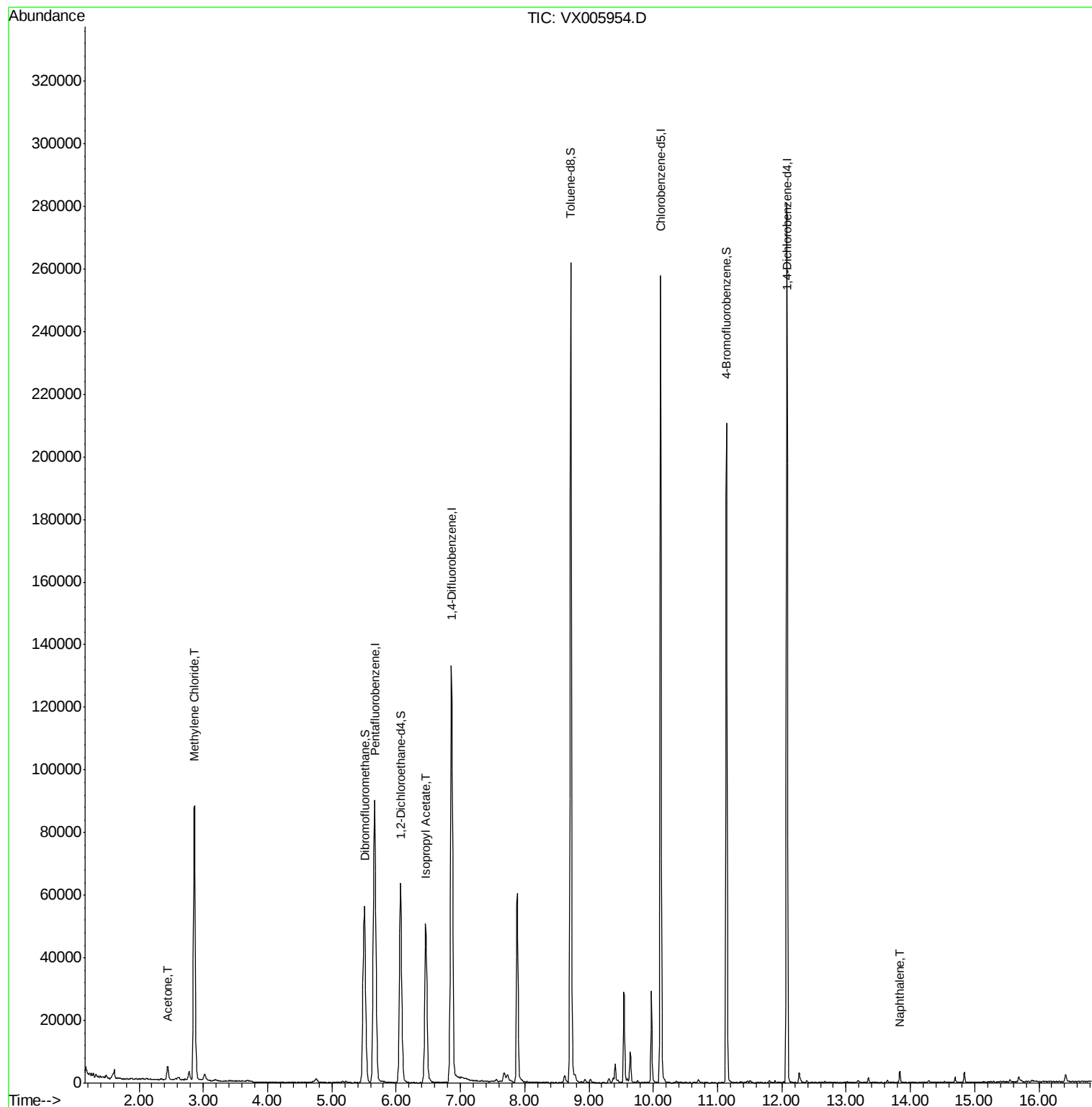
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 89561    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 130004   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 120179   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 56864    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 60550    | 58.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.62% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 48229    | 54.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.08% |          |
| 50) Toluene-d8              | 8.71  | 98   | 156144   | 53.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.24% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 52086    | 49.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.56%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 4573     | 8.249  | ug/l    | 99       |
| 20) Methylene Chloride      | 2.86  | 84   | 37645    | 41.339 | ug/l    | 91       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 66918    | 28.022 | ug/l    | 100      |
| 95) Naphthalene             | 13.83 | 128  | 2373     | 1.744  | ug/l    | 98       |

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

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Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA\_X

ClientSampleId :

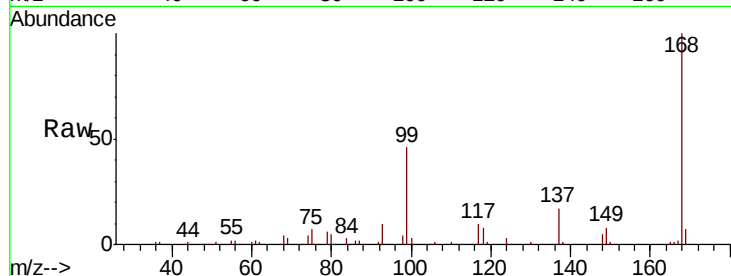
SR-6-S

Tot Ion:168 Resp: 89561

Ion Ratio Lower Upper

168 100

99 45.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005825.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX005825.D (-727) (-)

5.67

30000

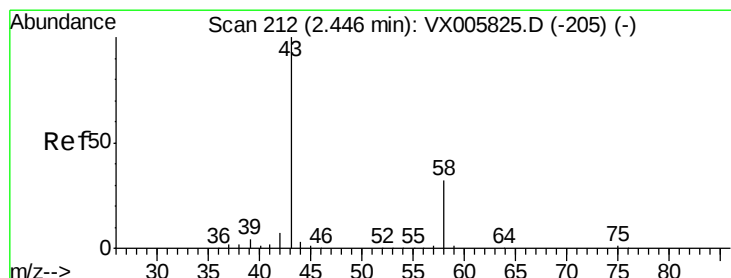
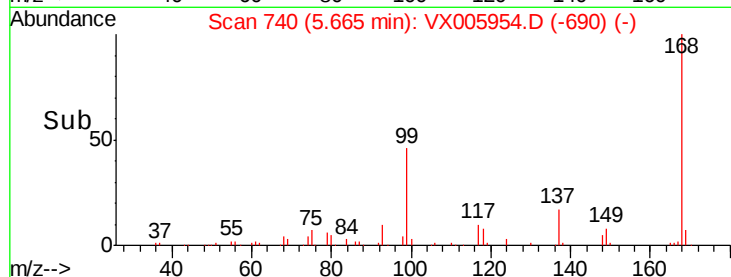
20000

10000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 8.249 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005954.D

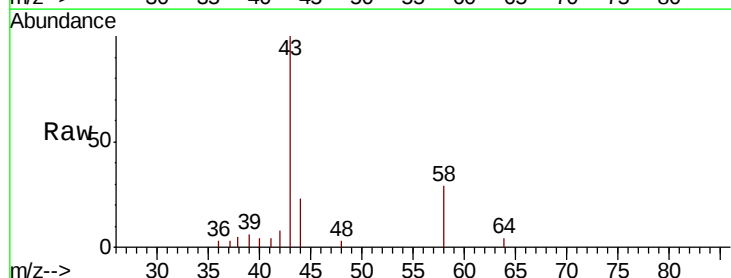
Acq: 13 Nov 2018 17:40

Tgt Ion: 43 Resp: 4573

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-205) (-)

Ion 58.00 (57.70 to 58.70): VX005825.D (-205) (-)

2.45

3000

2500

2000

1500

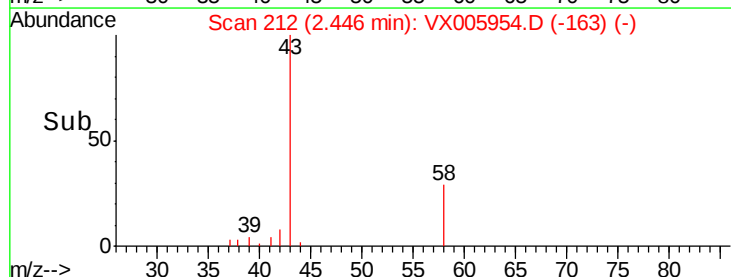
1000

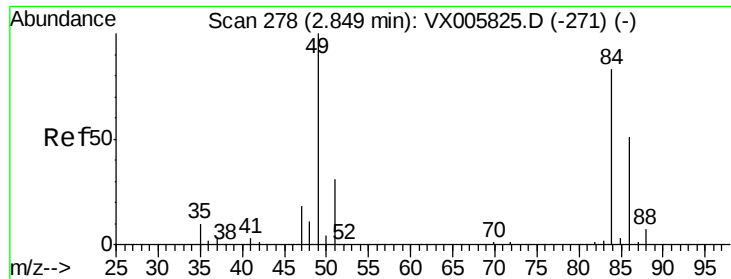
500

0

Time-->

2.35 2.40 2.45 2.50

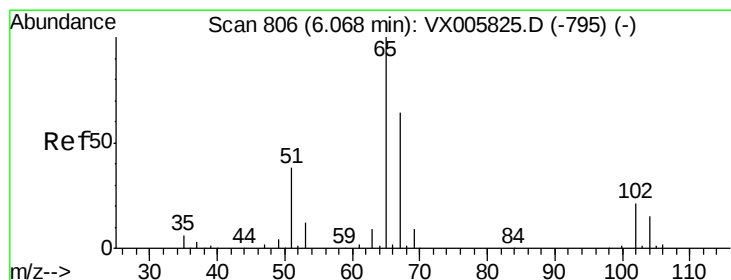
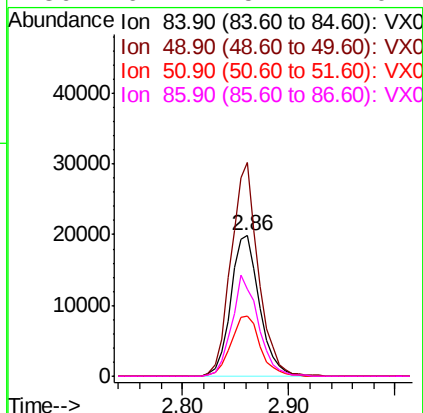
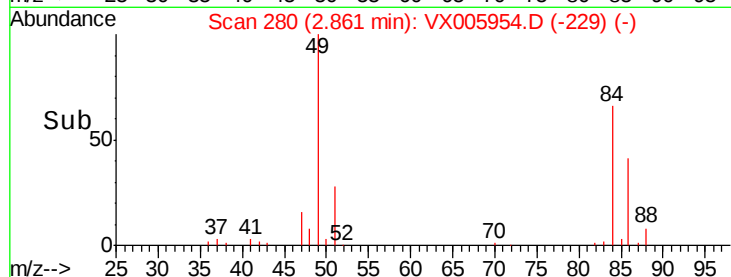
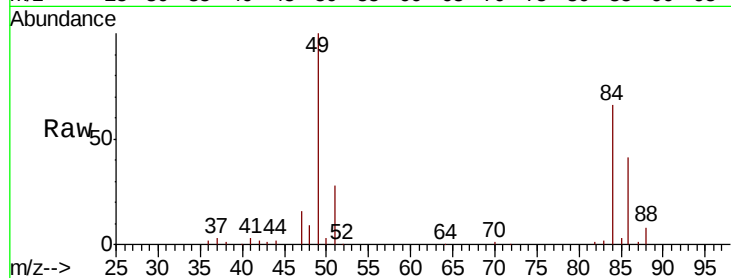




#20  
Methvlene Chloride  
Concen: 41.339 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005954.D  
Acq: 13 Nov 2018 17:40

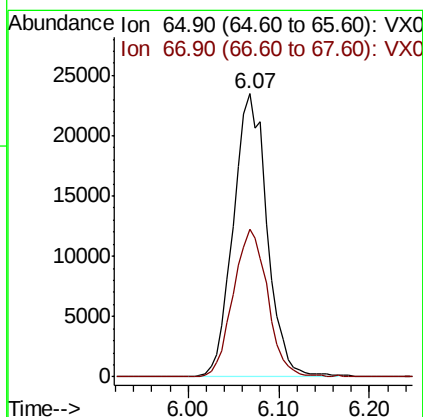
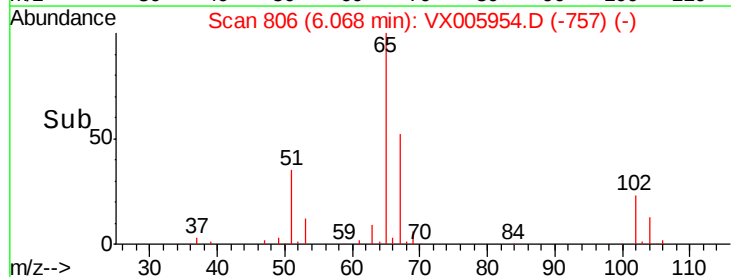
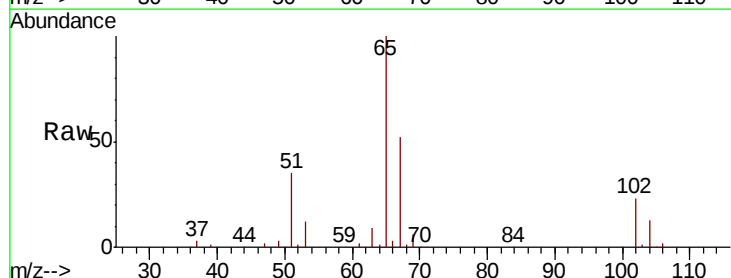
Instrument :  
MSVOA\_X  
ClientSampleId :  
SR-6-S

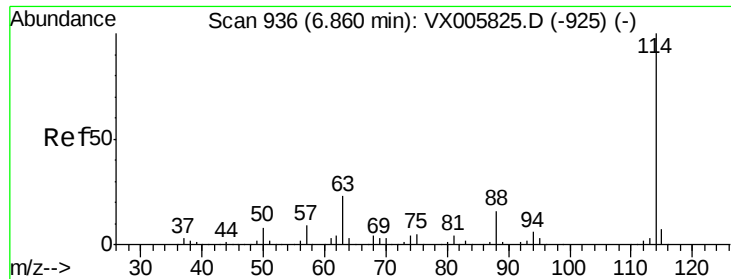
Tot Ion: 84 Resp: 37645  
Ion Ratio Lower Upper  
84 100  
49 152.3 109.5 164.3  
51 43.2 33.3 49.9  
86 62.2 52.7 79.1



#33  
1,2-Dichloroethane-d4  
Concen: 58.808 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: VX005954.D  
Acq: 13 Nov 2018 17:40

Tgt Ion: 65 Resp: 60550  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.0

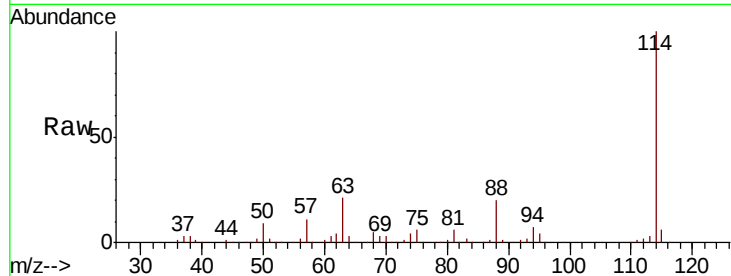




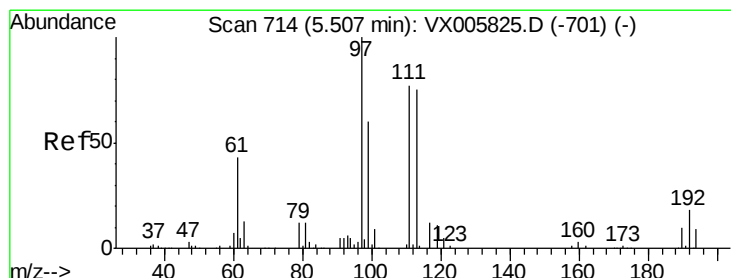
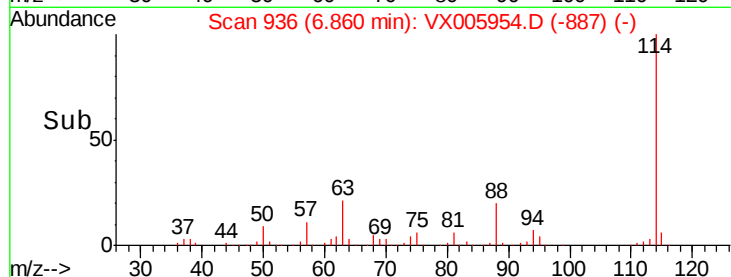
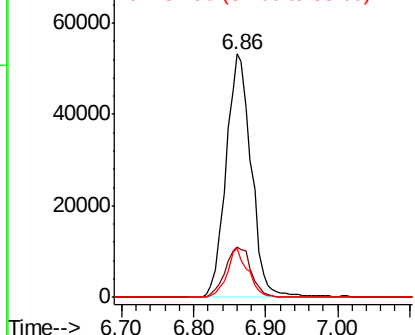
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX005954.D  
 Acq: 13 Nov 2018 17:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SR-6-S

Tot Ion:114 Resp: 130004  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 42.8  
 88 20.4 0.0 31.2

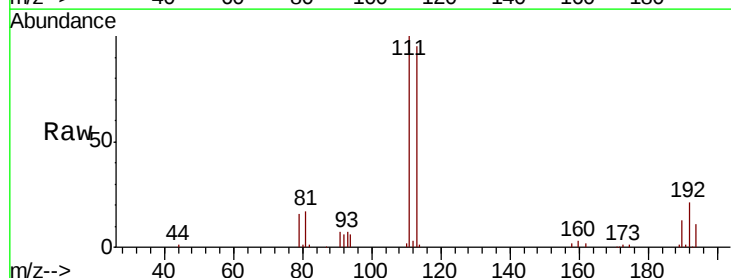


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

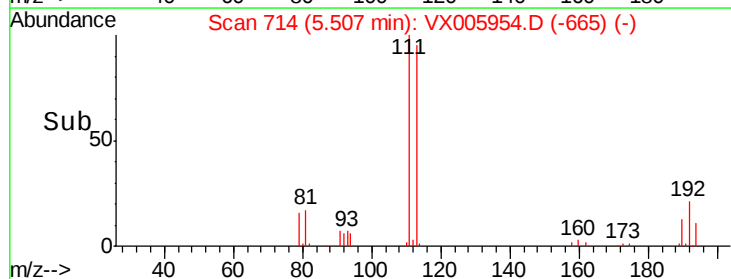
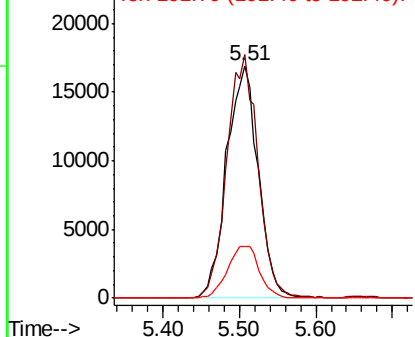


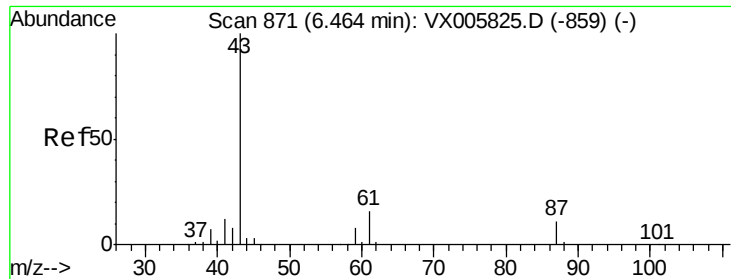
#35  
 Dibromofluoromethane  
 Concen: 54.544 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.00 min  
 Lab File: VX005954.D  
 Acq: 13 Nov 2018 17:40

Tgt Ion:113 Resp: 48229  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.3 123.5  
 192 22.7 17.9 26.9



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



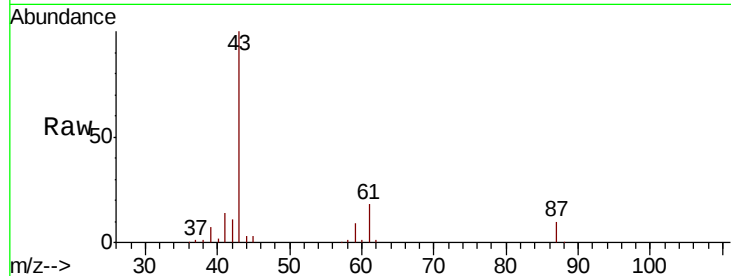


#43

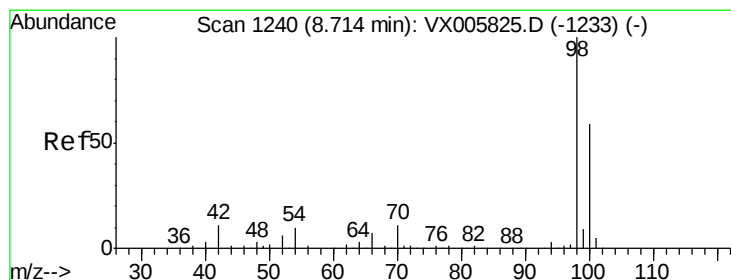
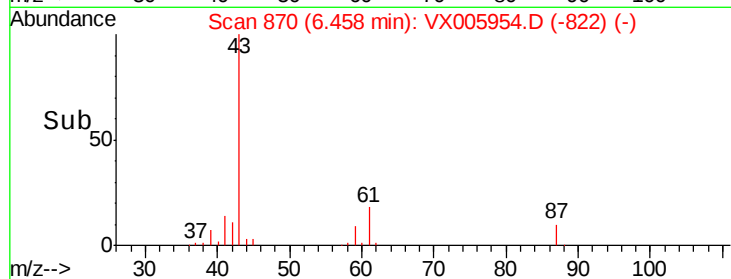
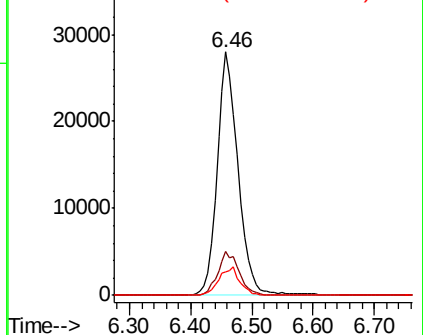
Isopropyl Acetate  
 Concen: 28.022 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.01 min  
 Lab File: VX005954.D  
 Acq: 13 Nov 2018 17:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SR-6-S

Tot Ion: 43 Resp: 66918  
 Ion Ratio Lower Upper  
 43 100  
 61 18.3 14.6 22.0  
 87 11.7 9.6 14.4



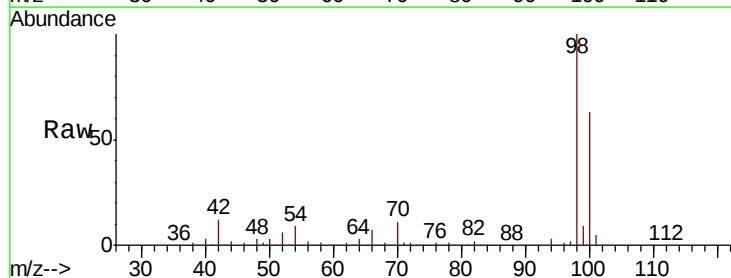
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



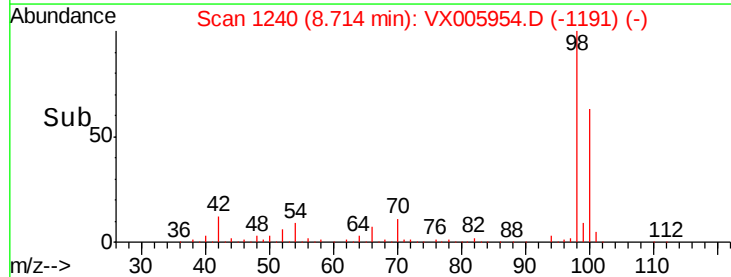
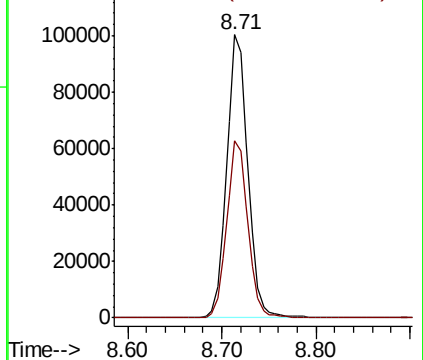
#50

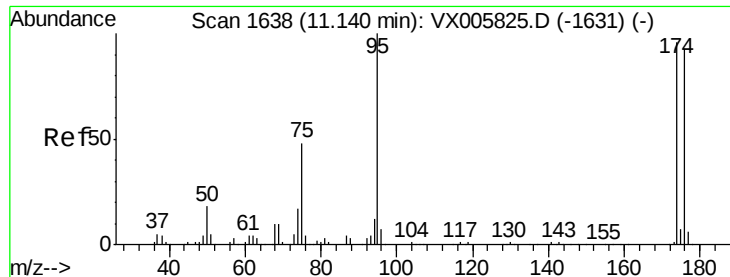
Toluene-d8  
 Concen: 53.116 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX005954.D  
 Acq: 13 Nov 2018 17:40

Tgt Ion: 98 Resp: 156144  
 Ion Ratio Lower Upper  
 98 100  
 100 62.9 51.3 76.9



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





#62

4-Bromofluorobenzene

Concen: 49.281 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA\_X

ClientSampleId :

SR-6-S

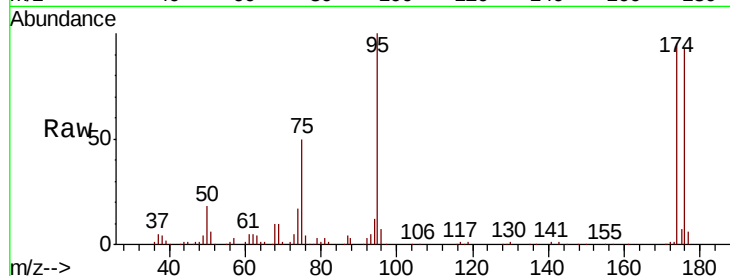
Tot Ion: 95 Resp: 52086

Ion Ratio Lower Upper

95 100

174 92.9 0.0 184.4

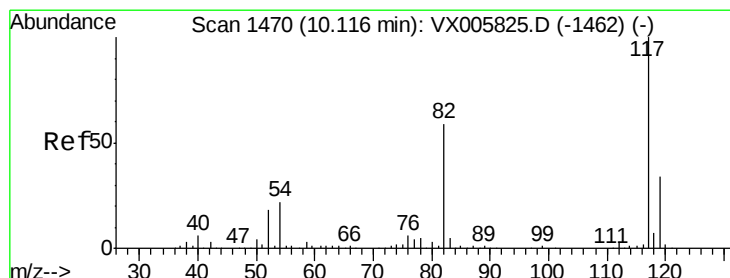
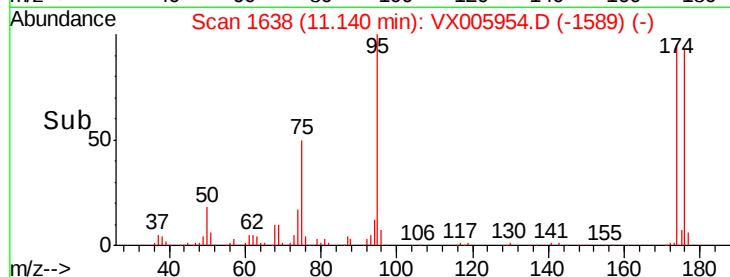
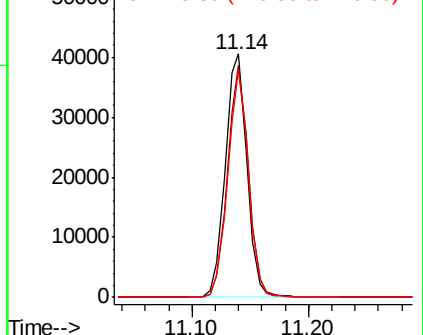
176 89.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

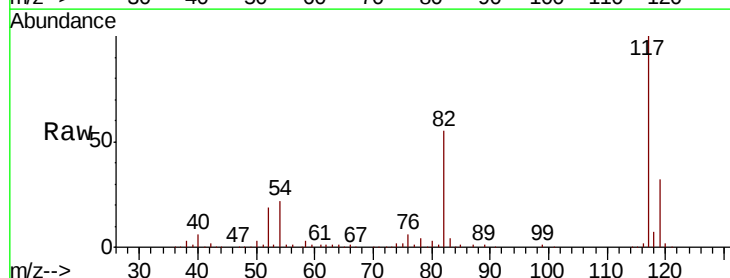
Tgt Ion: 117 Resp: 120179

Ion Ratio Lower Upper

117 100

82 54.6 44.1 66.1

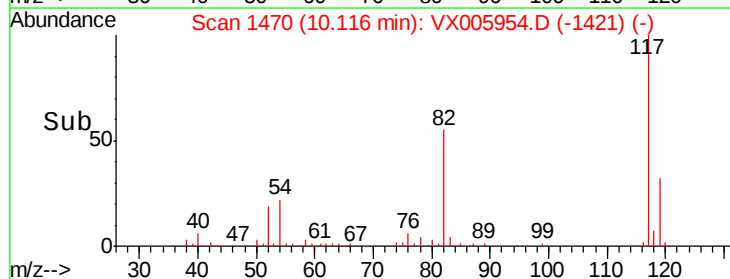
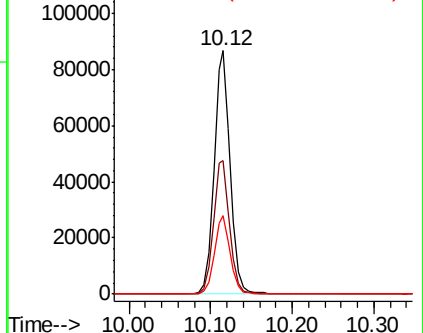
119 32.4 26.2 39.2

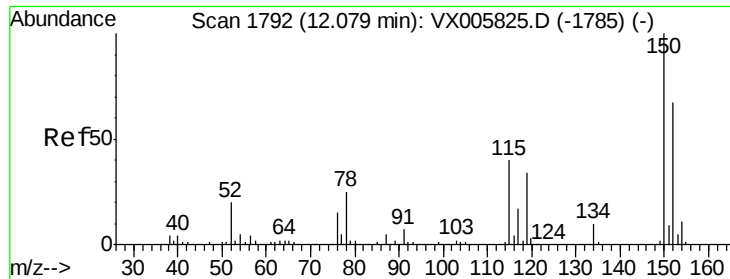


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA\_X

ClientSampleId :

SR-6-S

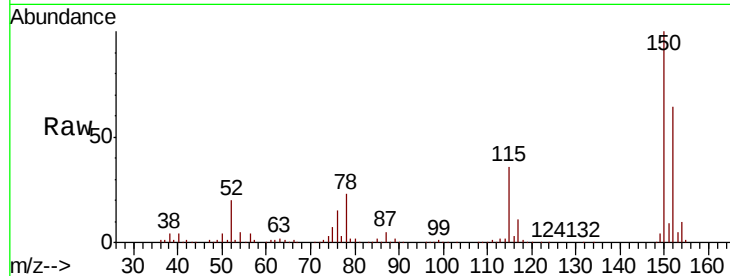
Tot Ion:152 Resp: 56864

Ion Ratio Lower Upper

152 100

115 55.7 39.4 118.1

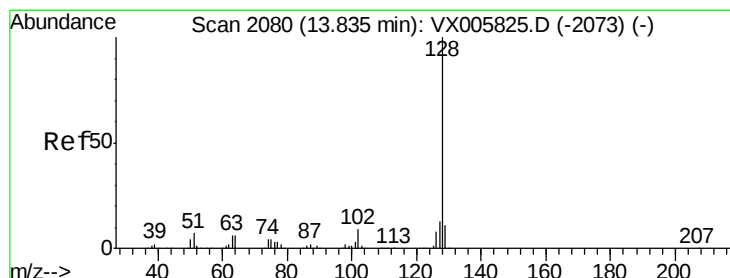
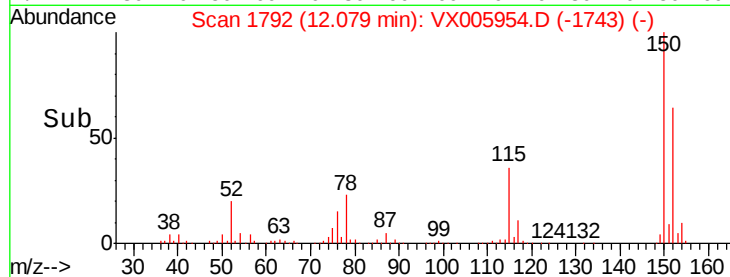
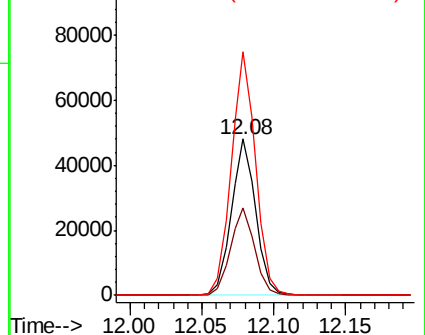
150 156.1 0.0 346.4



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: 1.744 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

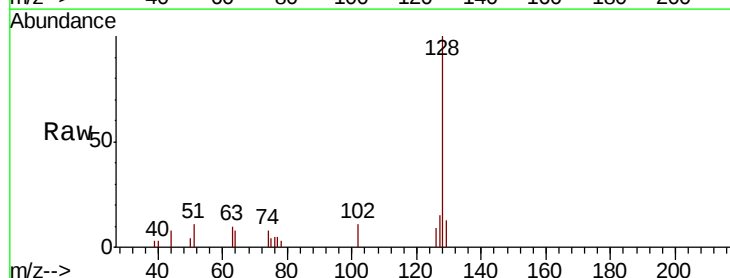
Tgt Ion:128 Resp: 2373

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 10.1 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

