

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\  
 Data File : VX005933.D  
 Acq On : 13 Nov 2018 06:38  
 Operator : JC/MD  
 Sample : J5894-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DW-9

Quant Time: Nov 13 07:08:31 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

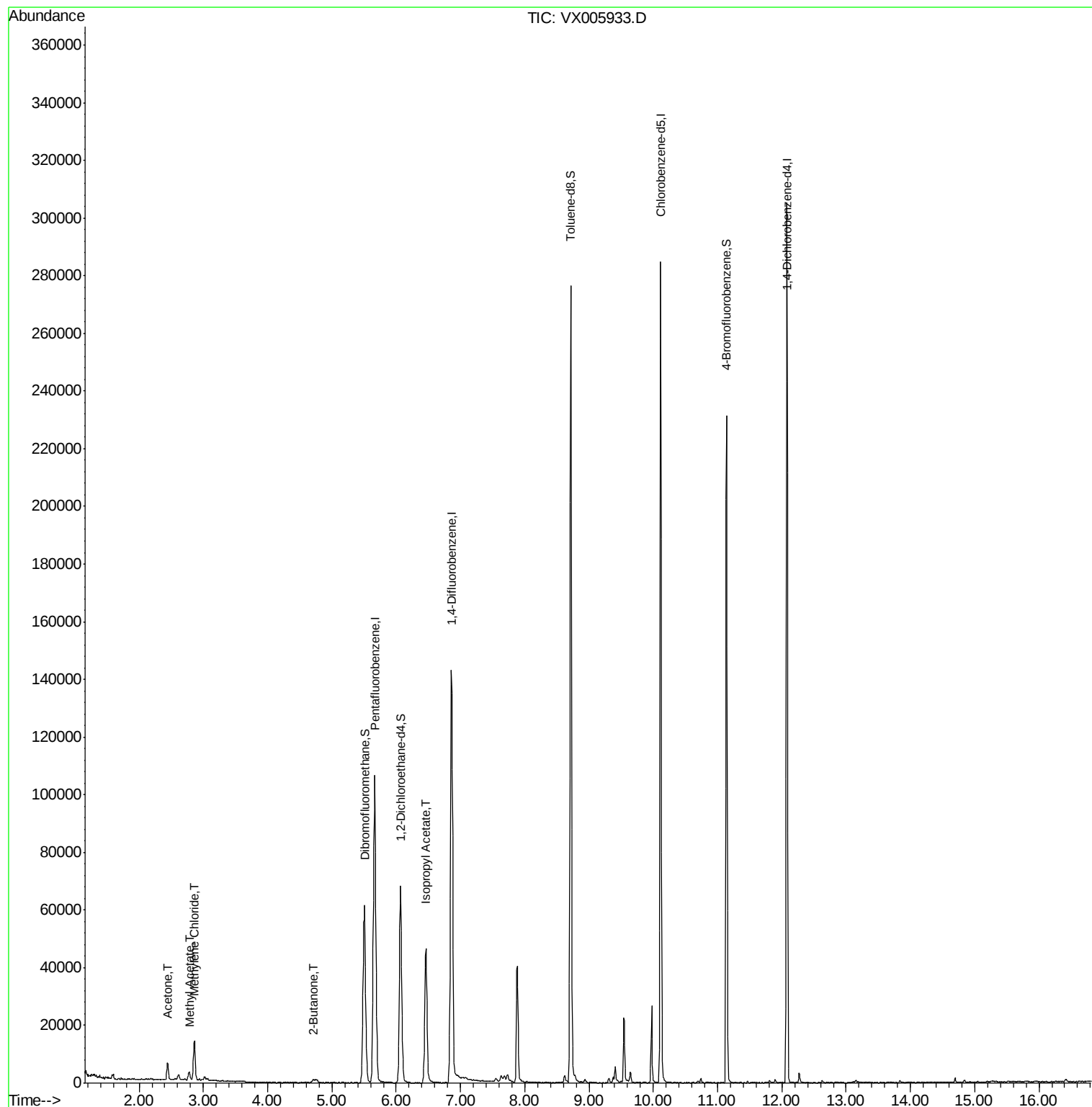
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 100710   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 150325   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 129645   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 62587    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 64325    | 55.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.12% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 51078    | 49.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 171554   | 50.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.94% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 57804    | 47.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.60%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.44  | 43   | 6149     | 9.864  | ug/l    | 98       |
| 18) Methyl Acetate          | 2.78  | 43   | 4239     | 1.086  | ug/l    | 92       |
| 20) Methylene Chloride      | 2.85  | 84   | 5578     | 5.447  | ug/l    | 96       |
| 25) 2-Butanone              | 4.71  | 43   | 2016     | 2.057  | ug/l #  | 89       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 62107    | 22.491 | ug/l    | 98       |

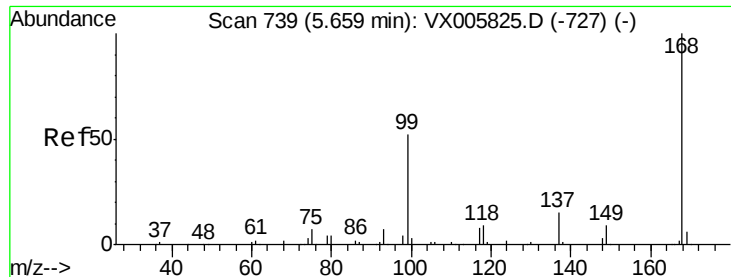
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\  
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Instrument :  
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DW-9

Quant Time: Nov 13 07:08:31 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
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: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA\_X

ClientSampleId :

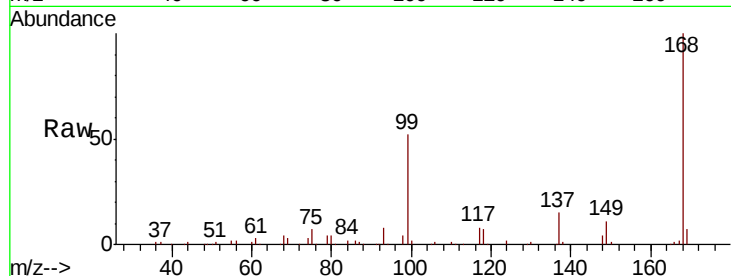
DW-9

Tot Ion:168 Resp: 100710

Ion Ratio Lower Upper

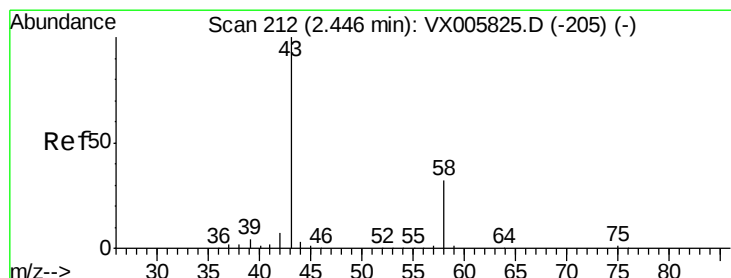
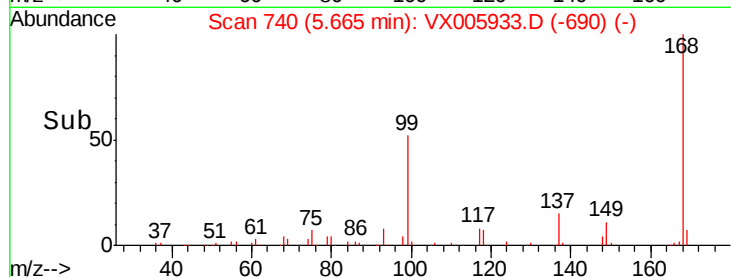
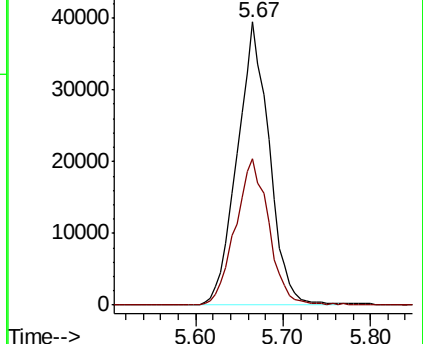
168 100

99 51.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 9.864 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005933.D

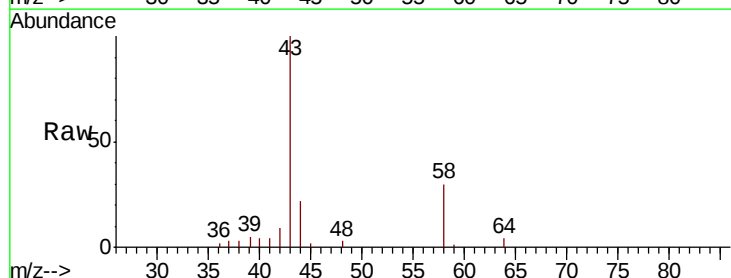
Acq: 13 Nov 2018 06:38

Tgt Ion: 43 Resp: 6149

Ion Ratio Lower Upper

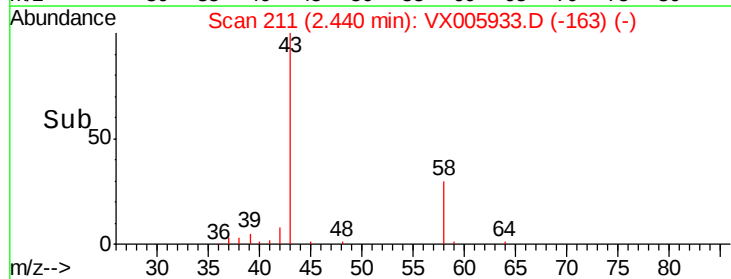
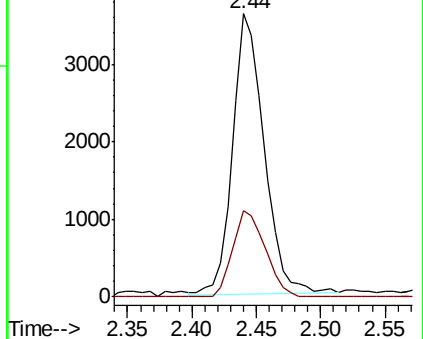
43 100

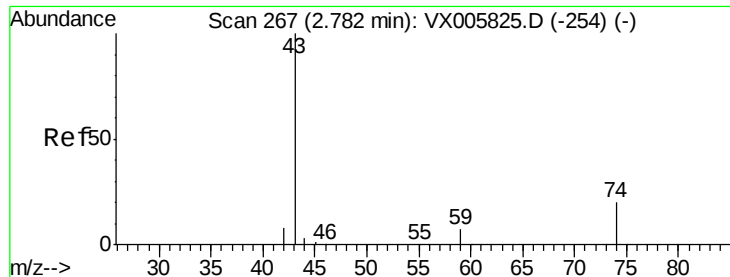
58 30.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

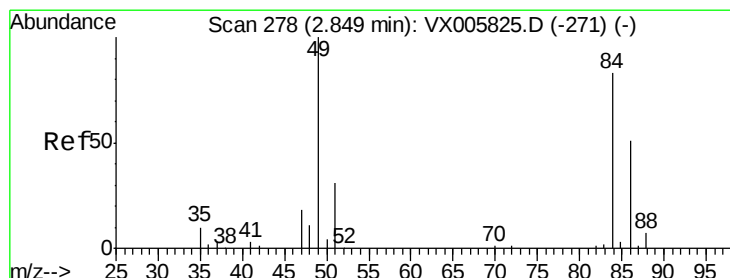
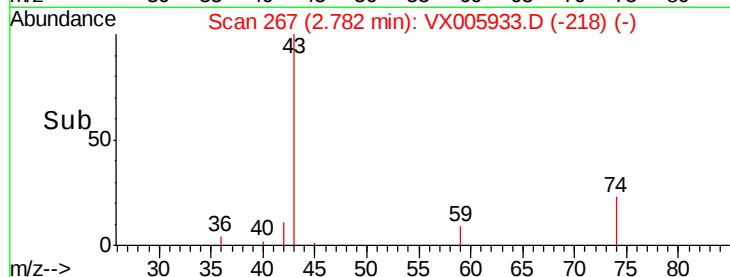
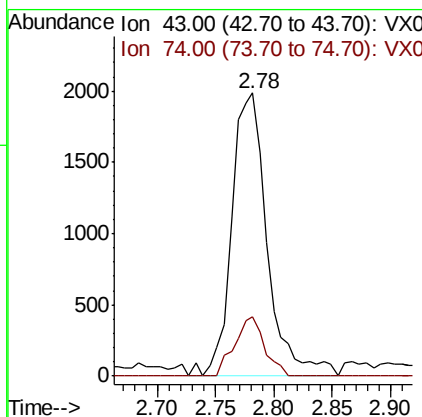
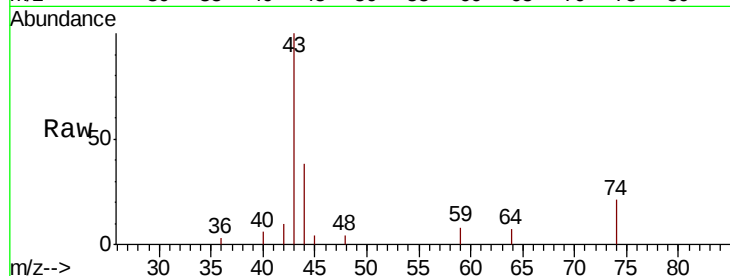




#18  
Methyl Acetate  
Concen: 1.086 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.00 min  
Lab File: VX005933.D  
Acq: 13 Nov 2018 06:38

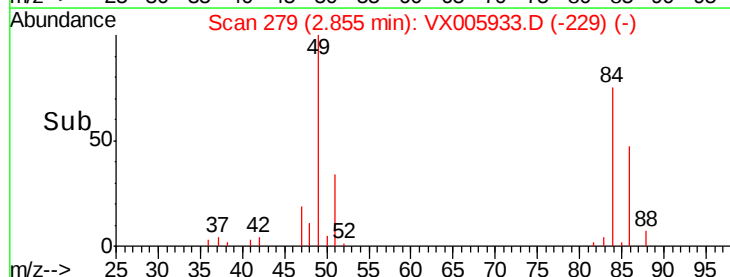
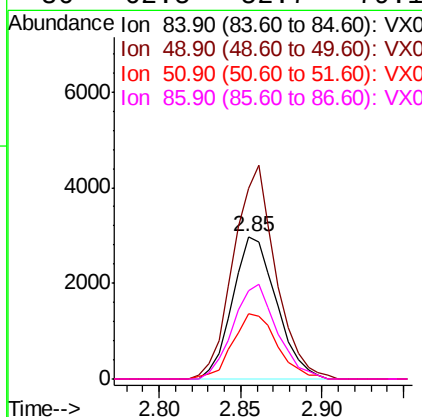
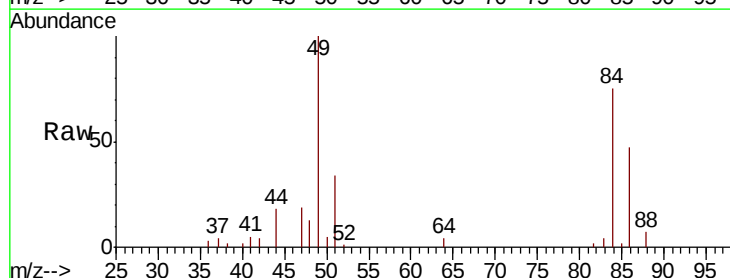
Instrument :  
MSVOA\_X  
ClientSampleId :  
DW-9

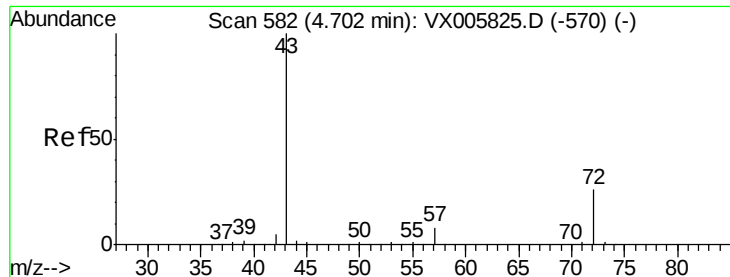
Tot Ion: 43 Resp: 4239  
Ion Ratio Lower Upper  
43 100  
74 17.4 16.8 25.2



#20  
Methylene Chloride  
Concen: 5.447 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.01 min  
Lab File: VX005933.D  
Acq: 13 Nov 2018 06:38

Tgt Ion: 84 Resp: 5578  
Ion Ratio Lower Upper  
84 100  
49 133.9 109.5 164.3  
51 45.6 33.3 49.9  
86 62.5 52.7 79.1





#25

2-Butanone

Concen: 2.057 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA\_X

ClientSampled :

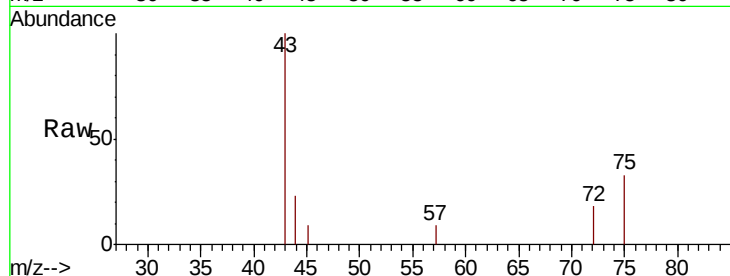
DW-9

Tot Ion: 43 Resp: 2016

Ion Ratio Lower Upper

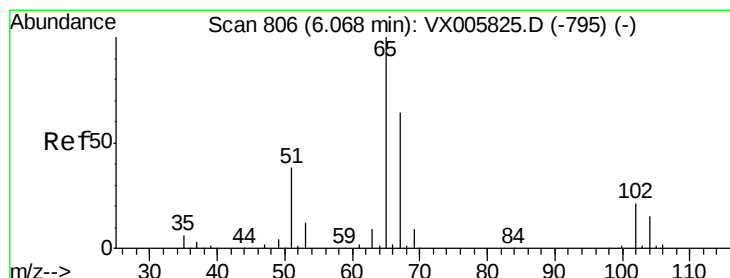
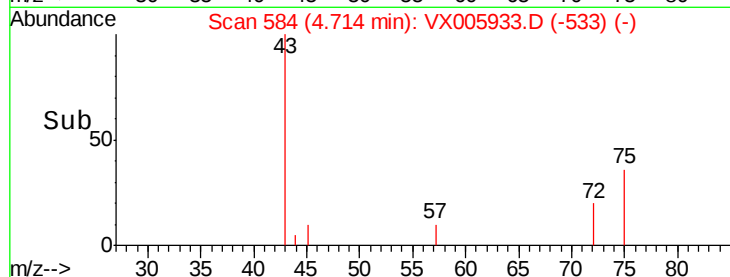
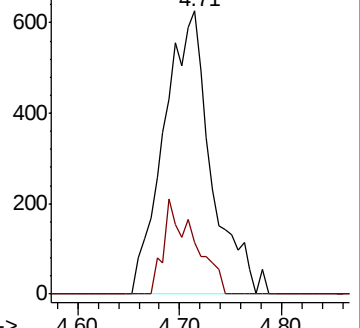
43 100

72 18.4 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: 55.558 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005933.D

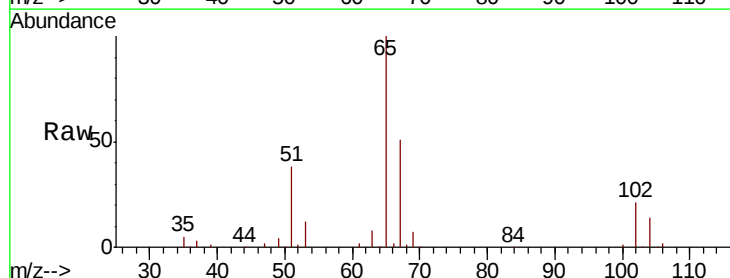
Acq: 13 Nov 2018 06:38

Tgt Ion: 65 Resp: 64325

Ion Ratio Lower Upper

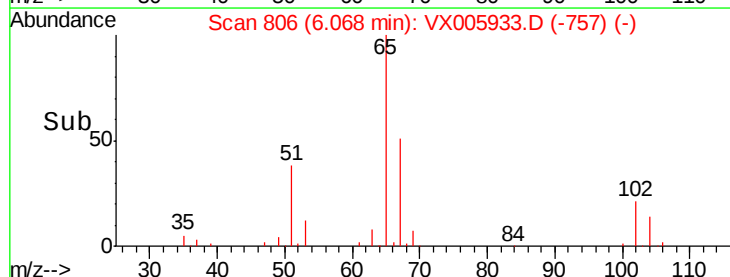
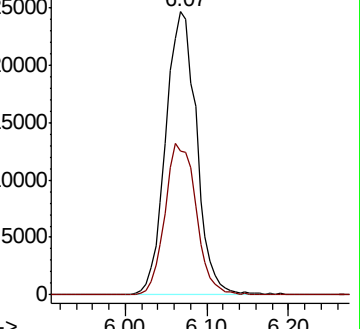
65 100

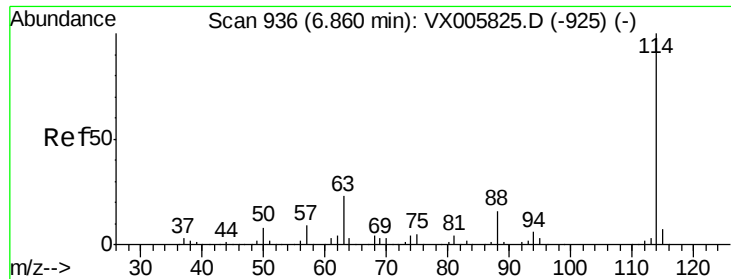
67 54.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

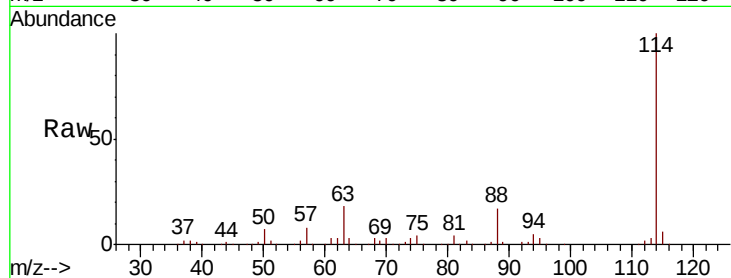




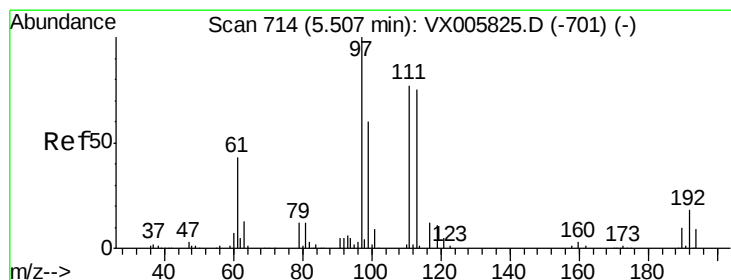
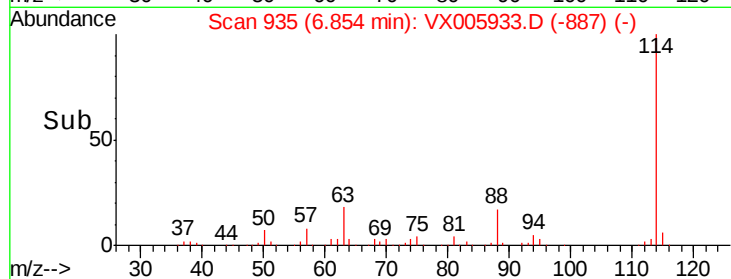
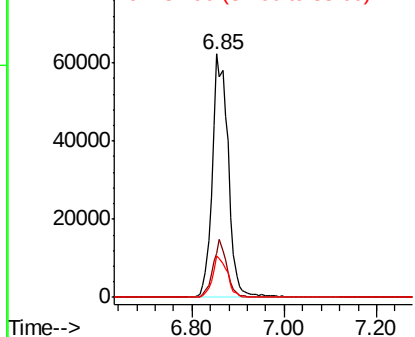
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX005933.D  
 Acq: 13 Nov 2018 06:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DW-9

Tot Ion:114 Resp: 150325  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 42.8  
 88 17.2 0.0 31.2

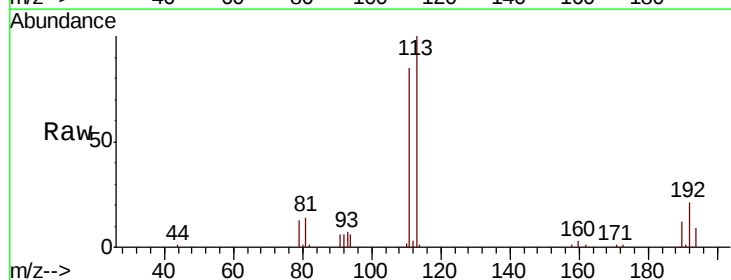


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

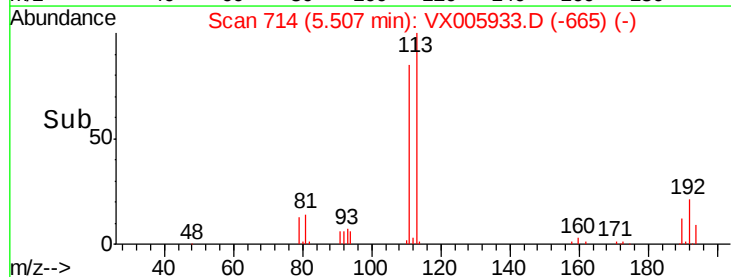
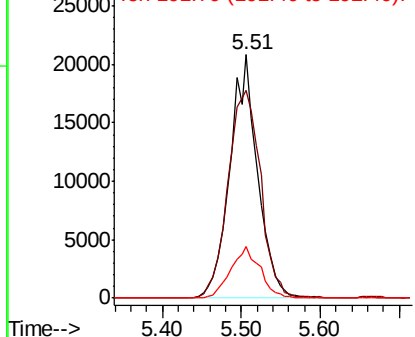


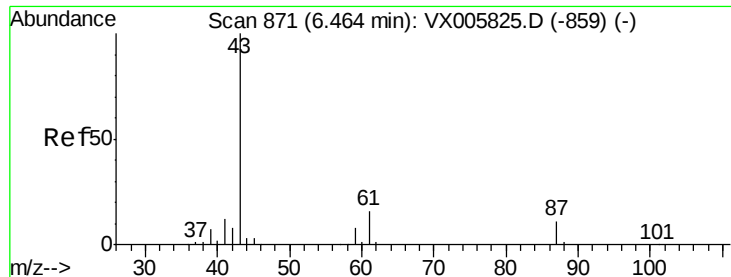
#35  
 Dibromofluoromethane  
 Concen: 49.957 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. -0.00 min  
 Lab File: VX005933.D  
 Acq: 13 Nov 2018 06:38

Tgt Ion:113 Resp: 51078  
 Ion Ratio Lower Upper  
 113 100  
 111 100.0 82.3 123.5  
 192 22.3 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: 22.491 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA\_X

ClientSampleId :

DW-9

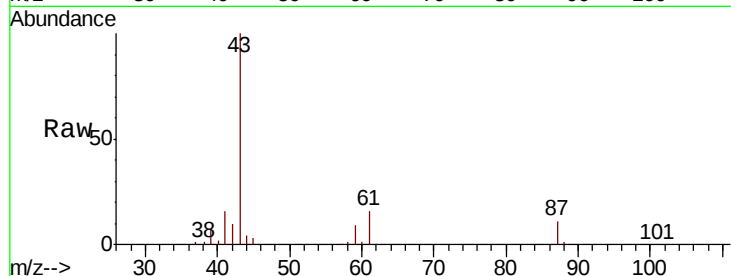
Tot Ion: 43 Resp: 62107

Ion Ratio Lower Upper

43 100

61 17.9 14.6 22.0

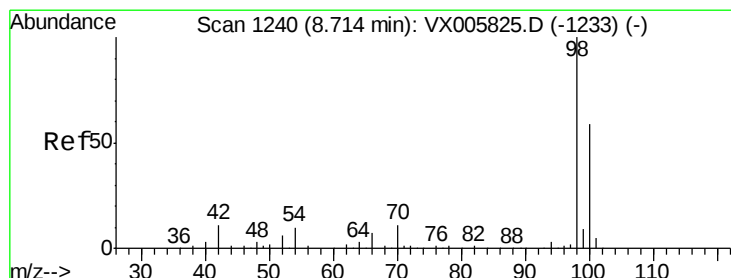
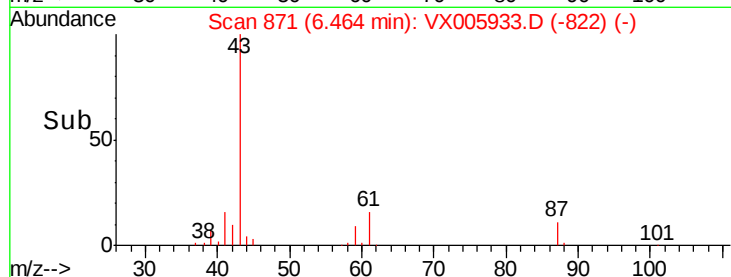
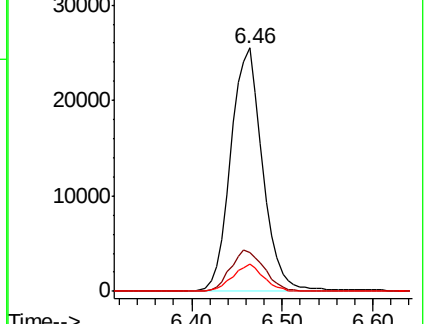
87 10.8 9.6 14.4



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: 50.469 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005933.D

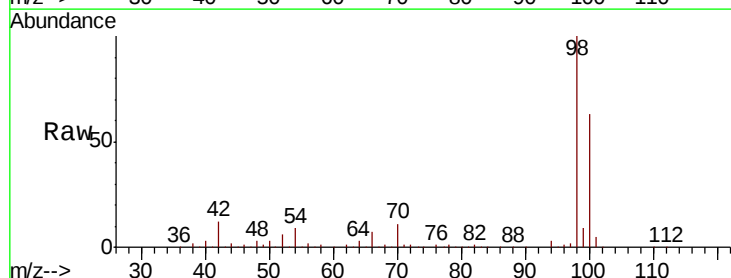
Acq: 13 Nov 2018 06:38

Tgt Ion: 98 Resp: 171554

Ion Ratio Lower Upper

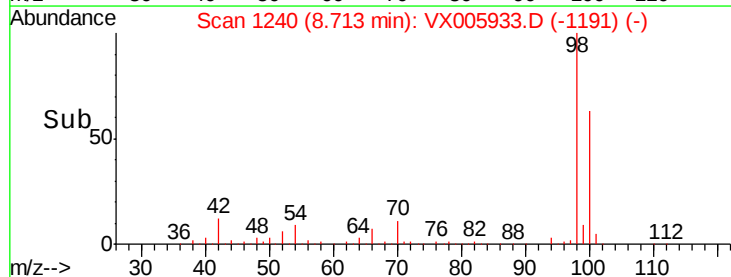
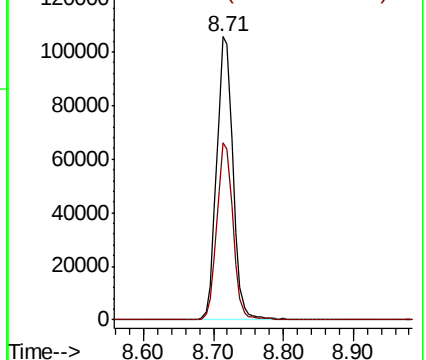
98 100

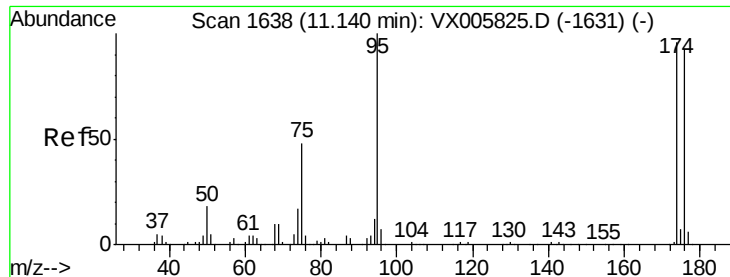
100 61.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.298 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA\_X

ClientSampleId :

DW-9

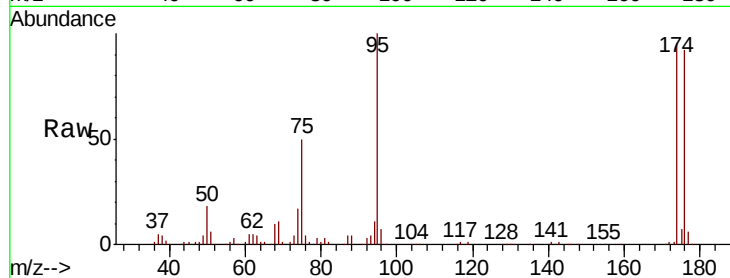
Tot Ion: 95 Resp: 57804

Ion Ratio Lower Upper

95 100

174 92.2 0.0 184.4

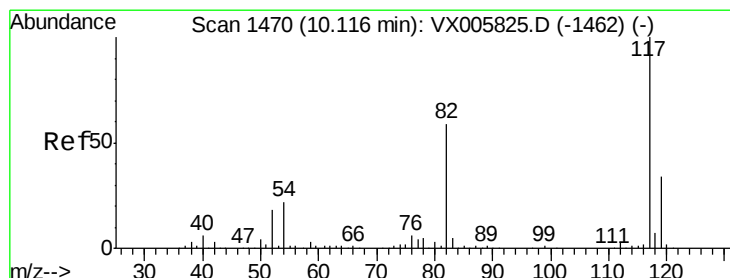
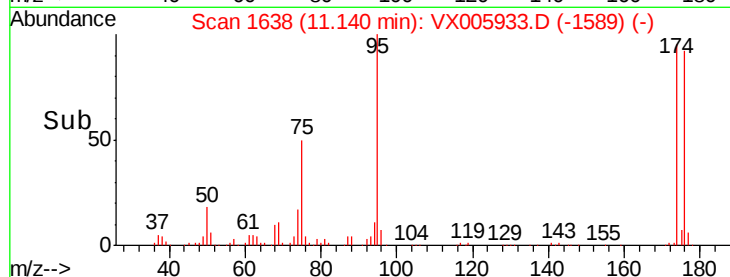
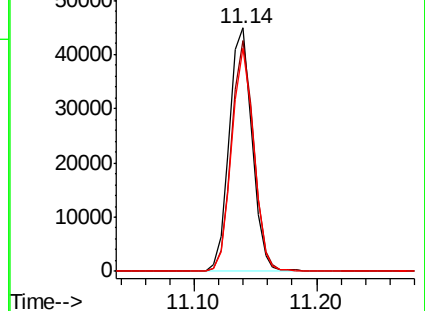
176 89.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

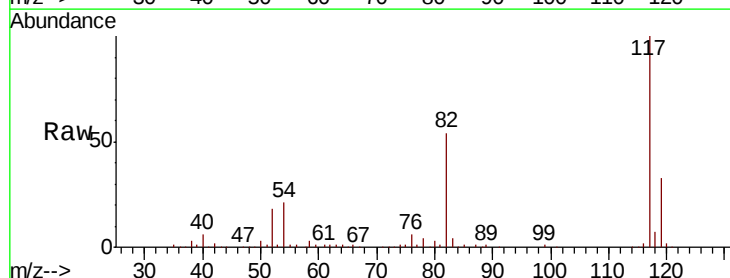
Tgt Ion: 117 Resp: 129645

Ion Ratio Lower Upper

117 100

82 53.7 44.1 66.1

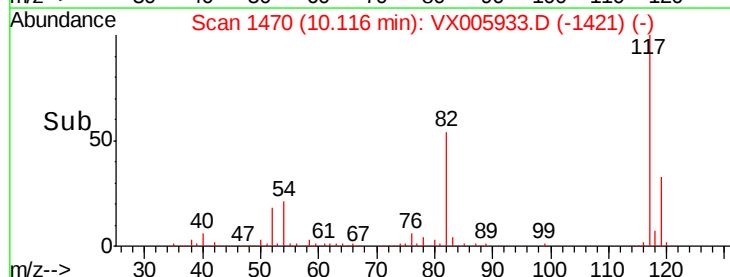
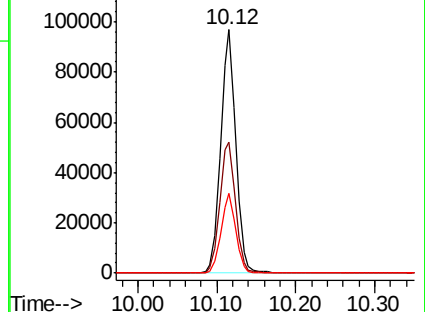
119 32.6 26.2 39.2

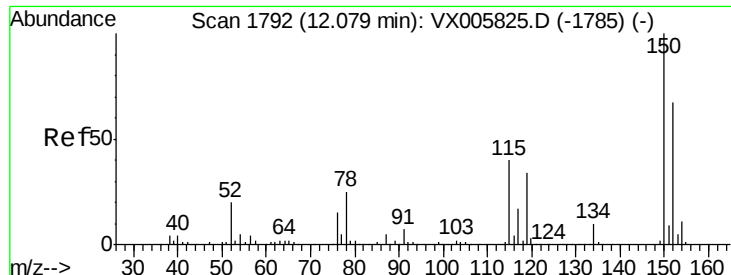


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX005933.D  
 Acq: 13 Nov 2018 06:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DW-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.4  | 39.4  | 118.1 |
| 150     | 155.8 | 0.0   | 346.4 |

