

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\  
 Data File : VD060318.D  
 Acq On : 9 Nov 2018 18:02  
 Operator : VA/AP  
 Sample : J5876-01RE  
 Misc : 4.95g/5ml/MSVOA D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 48382-47191-47202RE

Quant Time: Nov 12 03:21:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:56:04 2018  
 Response via : Initial Calibration

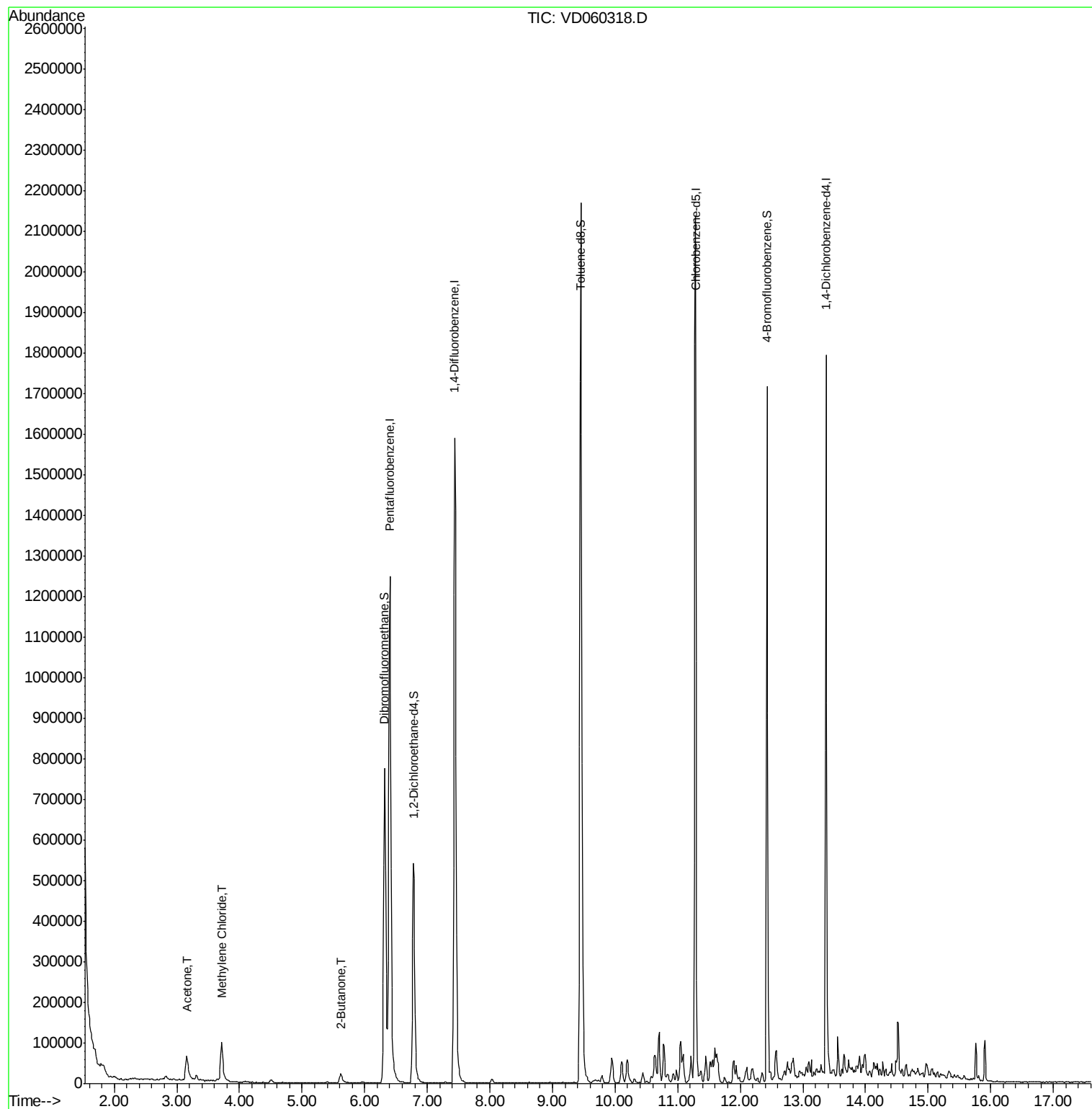
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 6.40  | 168  | 1199355  | 50.00  | ug/l    | -0.02    |
| 34) 1,4-Difluorobenzene     | 7.44  | 114  | 1671796  | 50.00  | ug/l    | -0.02    |
| 63) Chlorobenzene-d5        | 11.29 | 117  | 1172358  | 50.00  | ug/l    | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 391372   | 50.00  | ug/l    | -0.01    |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.78  | 65   | 455954   | 53.09  | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.18% |          |
| 35) Dibromofluoromethane    | 6.32  | 113  | 618762   | 49.64  | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.28%  |          |
| 50) Toluene-d8              | 9.46  | 98   | 1644537  | 45.07  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.43 | 95   | 454107   | 34.35  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 68.70%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.16  | 43   | 136166   | 91.411 | ug/l    | 100      |
| 20) Methylene Chloride      | 3.72  | 84   | 61066    | 4.621  | ug/l    | 98       |
| 25) 2-Butanone              | 5.62  | 43   | 48870    | 15.784 | ug/l    | 95       |

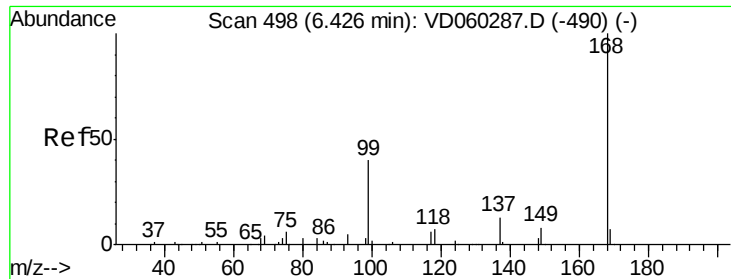
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110918\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
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QLast Update : Tue Nov 06 13:56:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060318.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA\_D

ClientSampleId :

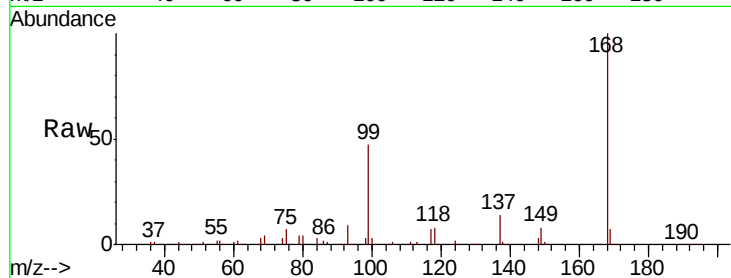
48382-47191-47202RE

Tot Ion:168 Resp: 1199355

Ion Ratio Lower Upper

168 100

99 47.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

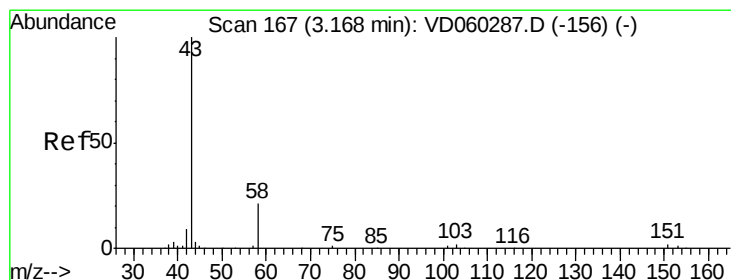
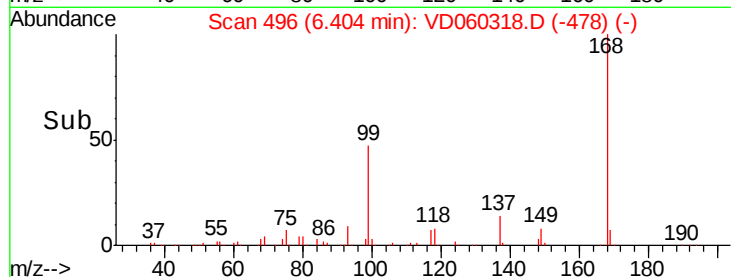
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 91.411 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060318.D

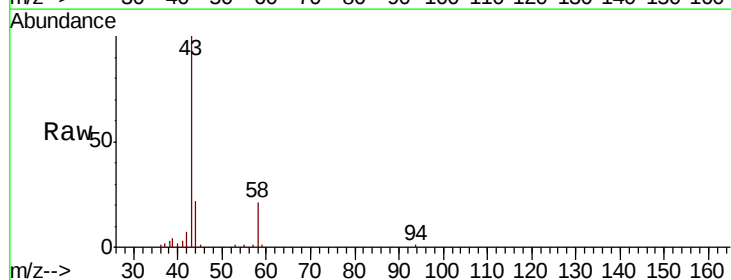
Acq: 9 Nov 2018 18:02

Tgt Ion: 43 Resp: 136166

Ion Ratio Lower Upper

43 100

58 21.2 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.16

40000

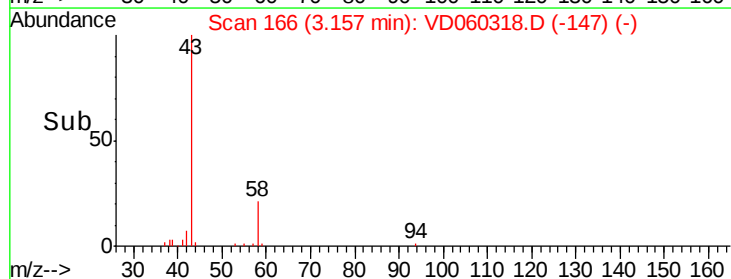
30000

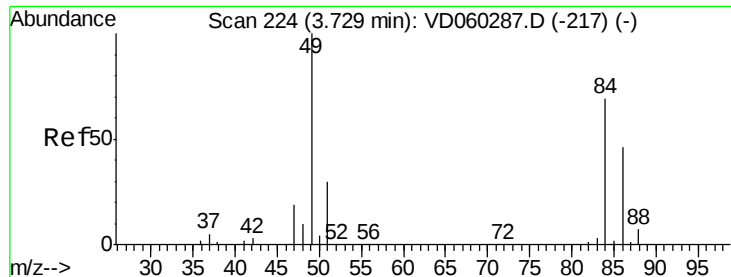
20000

10000

0

Time-->

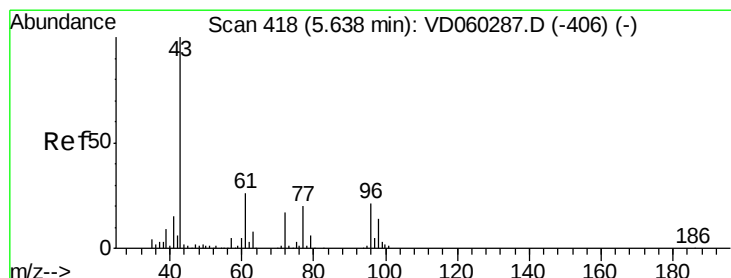
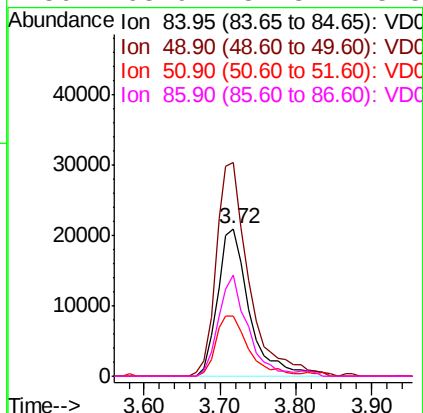
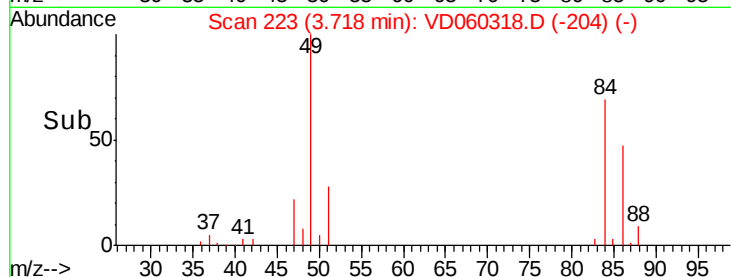
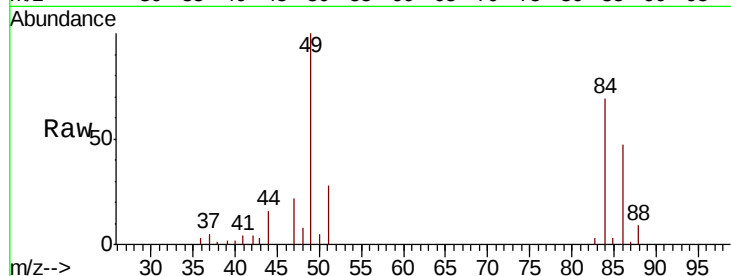




#20  
Methvlene Chloride  
Concen: 4.621 ug/l  
RT: 3.72 min Scan# 223  
Delta R.T. -0.01 min  
Lab File: VD060318.D  
Acq: 9 Nov 2018 18:02

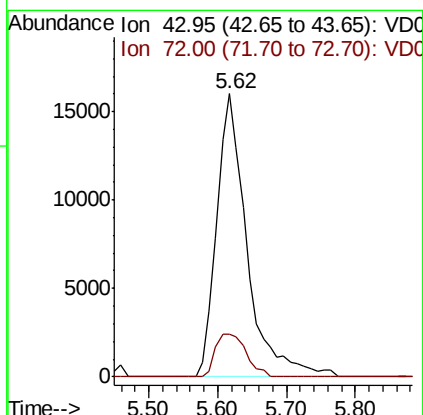
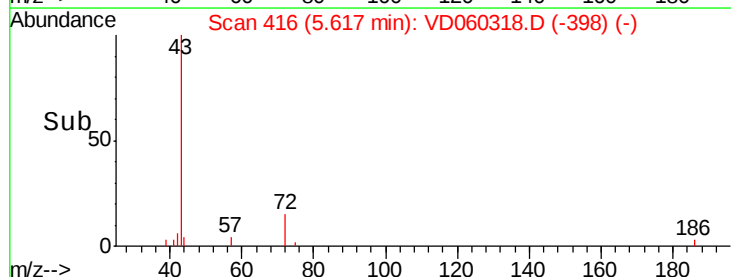
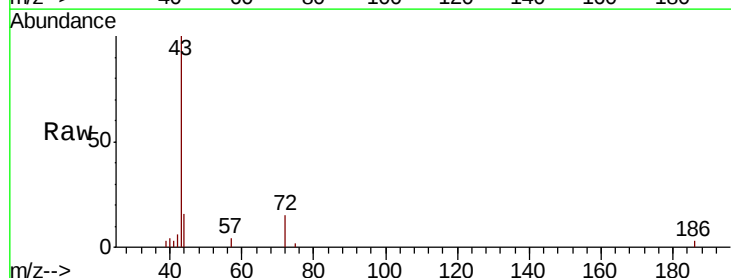
Instrument :  
MSVOA\_D  
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48382-47191-47202RE

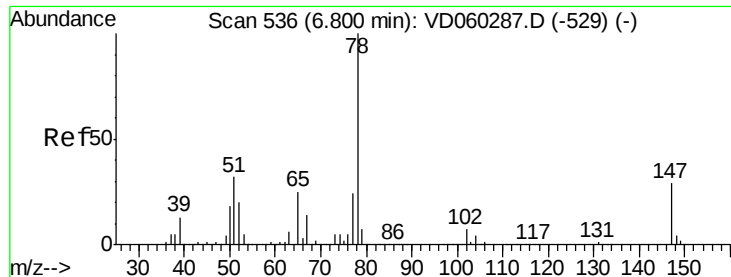
Tot Ion: 84 Resp: 61066  
Ion Ratio Lower Upper  
84 100  
49 145.1 115.6 173.4  
51 40.6 35.6 53.4  
86 68.9 52.3 78.5



#25  
2-Butanone  
Concen: 15.784 ug/l  
RT: 5.62 min Scan# 416  
Delta R.T. -0.02 min  
Lab File: VD060318.D  
Acq: 9 Nov 2018 18:02

Tgt Ion: 43 Resp: 48870  
Ion Ratio Lower Upper  
43 100  
72 14.9 13.8 20.8





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060318.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA\_D

ClientSampleId :

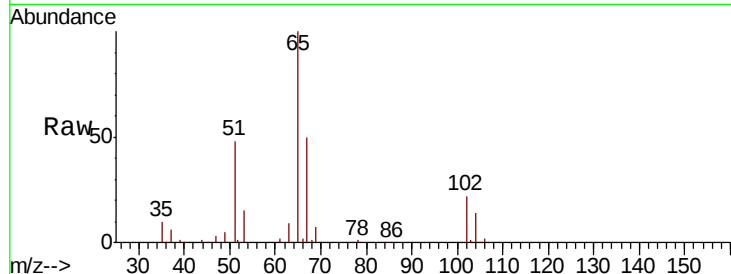
48382-47191-47202RE

Tot Ion: 65 Resp: 455954

Ion Ratio Lower Upper

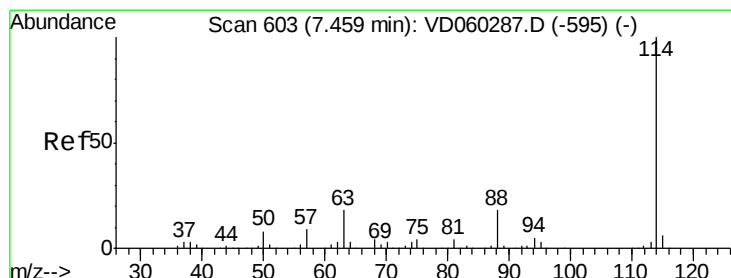
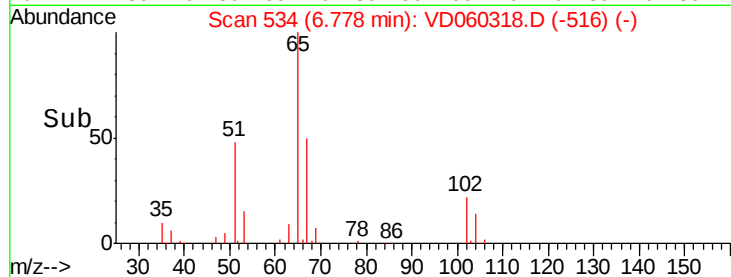
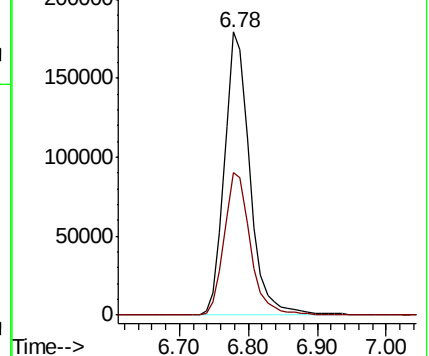
65 100

67 50.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060318.D

Acq: 9 Nov 2018 18:02

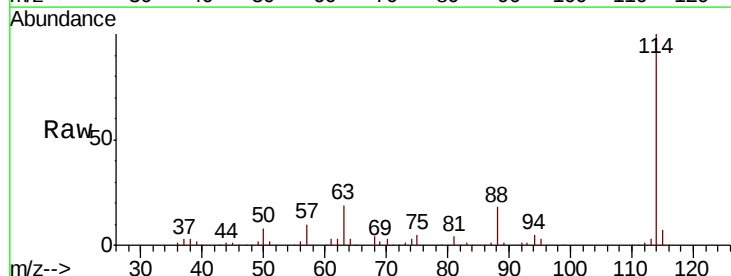
Tgt Ion: 114 Resp: 1671796

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

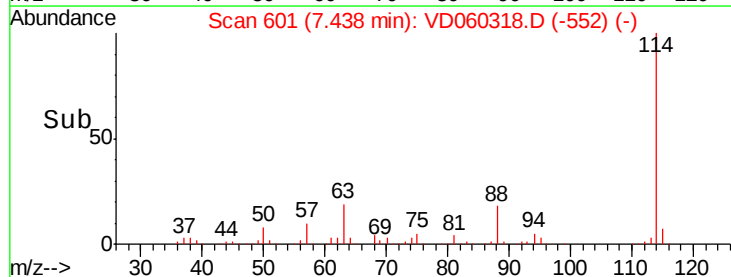
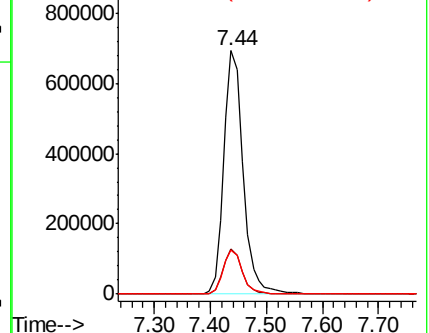
88 18.3 0.0 35.4

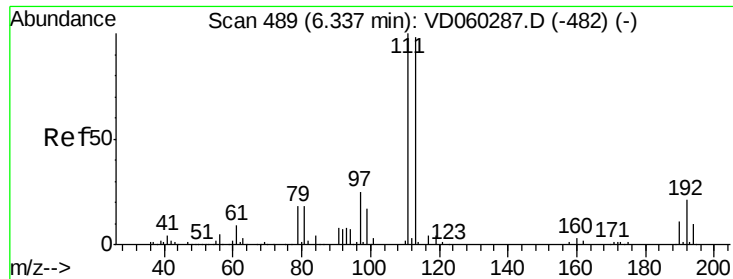


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

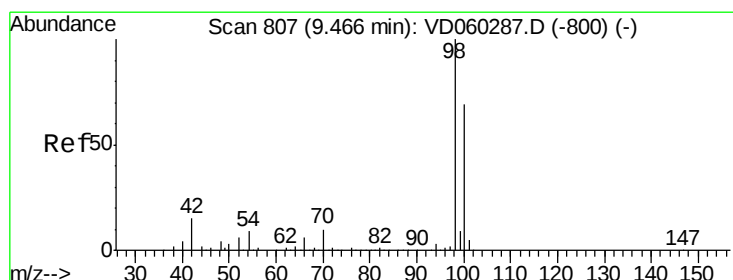
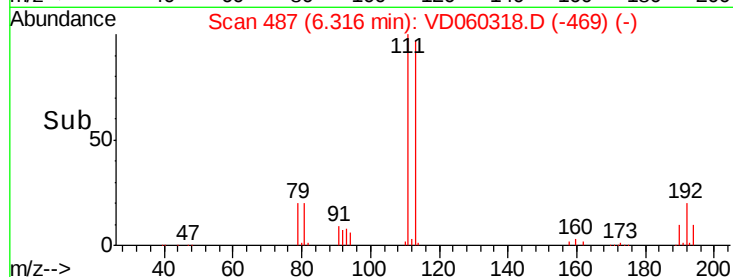
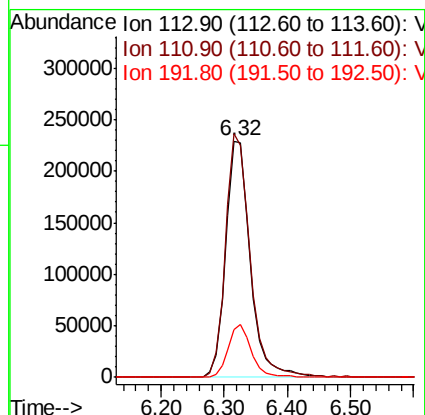
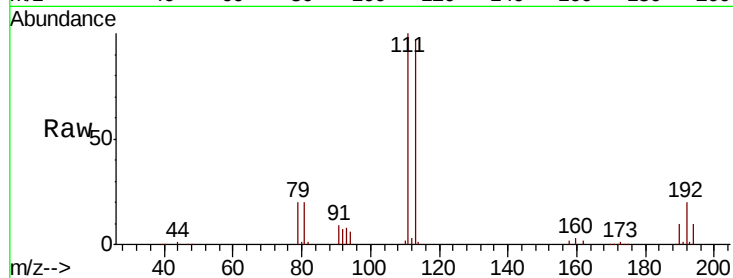




#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.32 min Scan# 487  
Delta R.T. -0.02 min  
Lab File: VD060318.D  
Acq: 9 Nov 2018 18:02

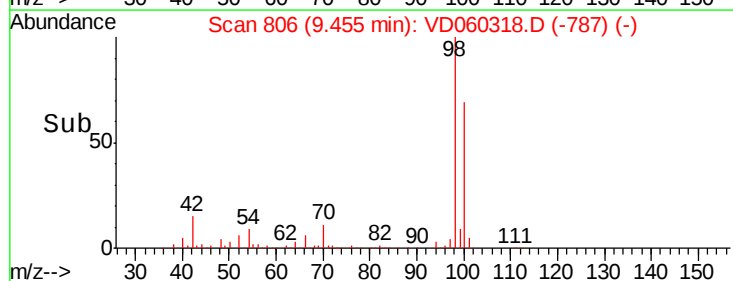
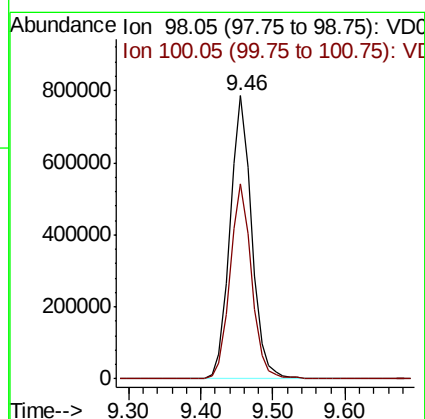
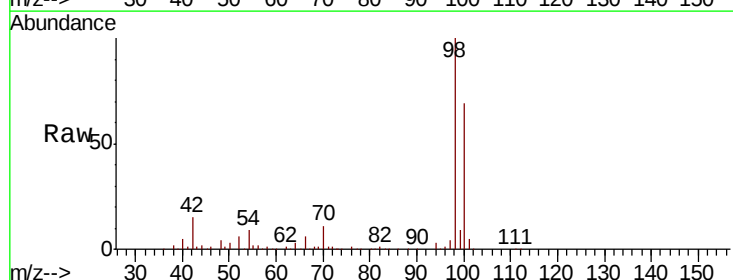
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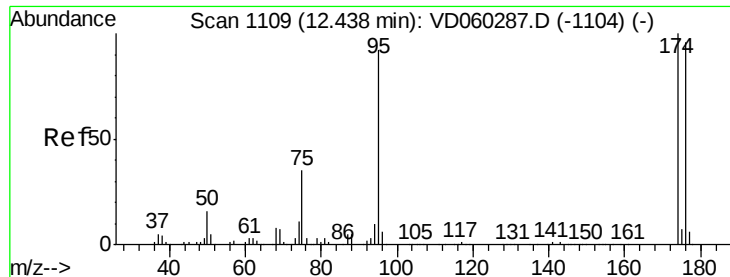
Tot Ion:113 Resp: 618762  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.6 122.4  
192 20.4 16.5 24.7



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.46 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: VD060318.D  
Acq: 9 Nov 2018 18:02

Tgt Ion: 98 Resp: 1644537  
Ion Ratio Lower Upper  
98 100  
100 69.0 55.2 82.8





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060318.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA\_D

ClientSampleId :

48382-47191-47202RE

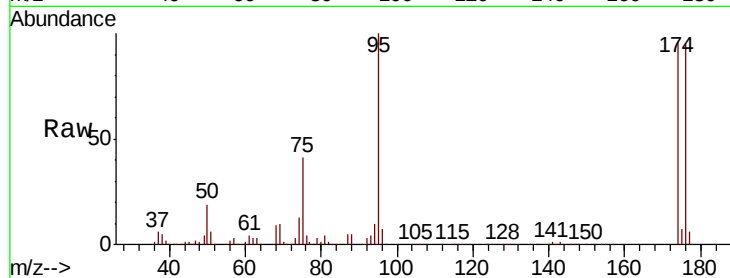
Tot Ion: 95 Resp: 454107

Ion Ratio Lower Upper

95 100

174 96.0 0.0 160.8

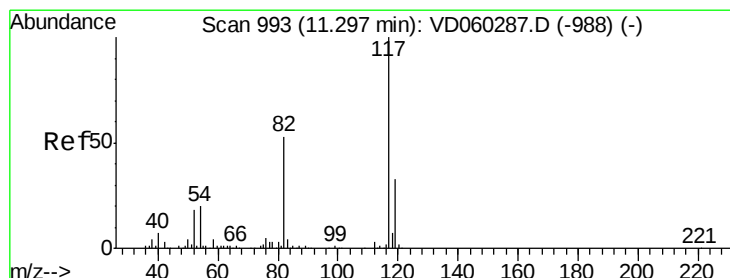
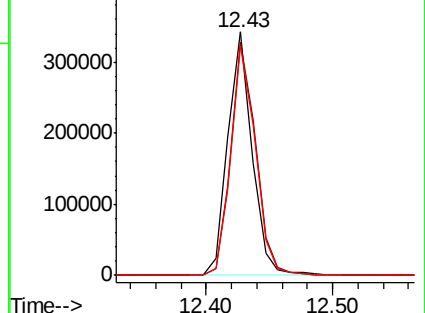
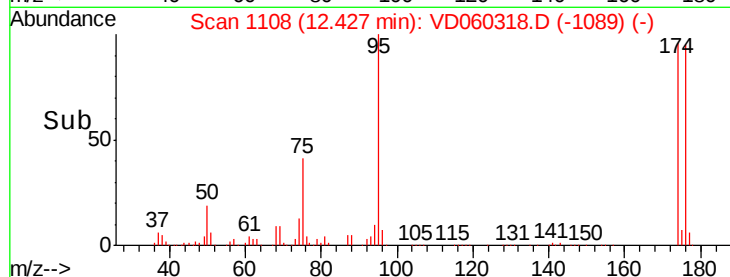
176 94.5 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD060318.D

Acq: 9 Nov 2018 18:02

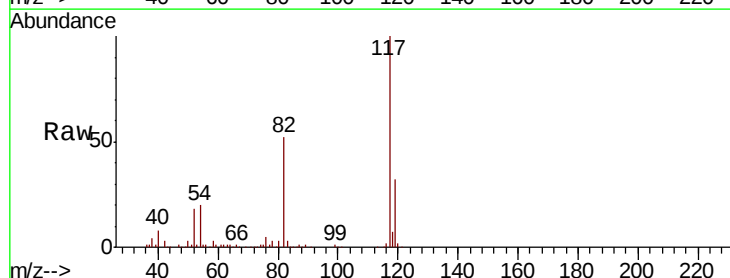
Tgt Ion: 117 Resp: 1172358

Ion Ratio Lower Upper

117 100

82 52.4 43.7 65.5

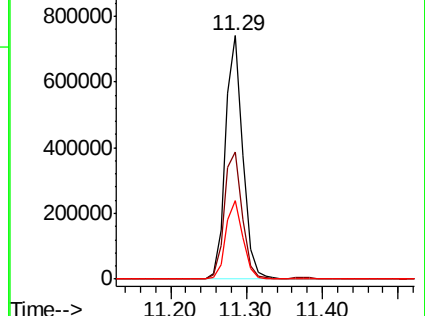
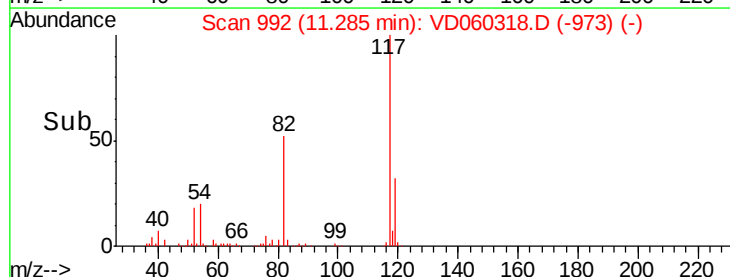
119 32.4 26.1 39.1

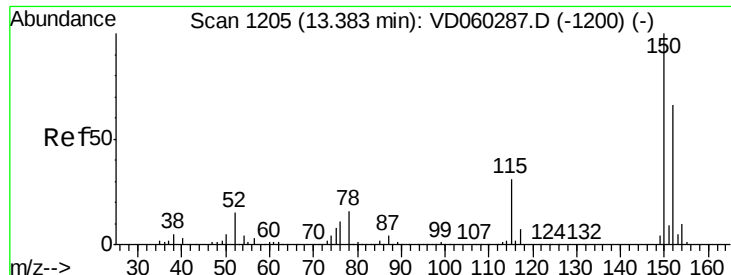


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.37 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: VD060318.D  
 Acq: 9 Nov 2018 18:02

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 48382-47191-47202RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 52.0  | 24.1  | 72.3  |
| 150     | 158.1 | 0.0   | 310.6 |

