

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\  
 Data File : VD061206.D  
 Acq On : 20 Mar 2019 14:22  
 Operator : VA/AP  
 Sample : K1987-03RE  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20190145-COMPOSITE-DRE

Quant Time: Mar 22 02:26:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

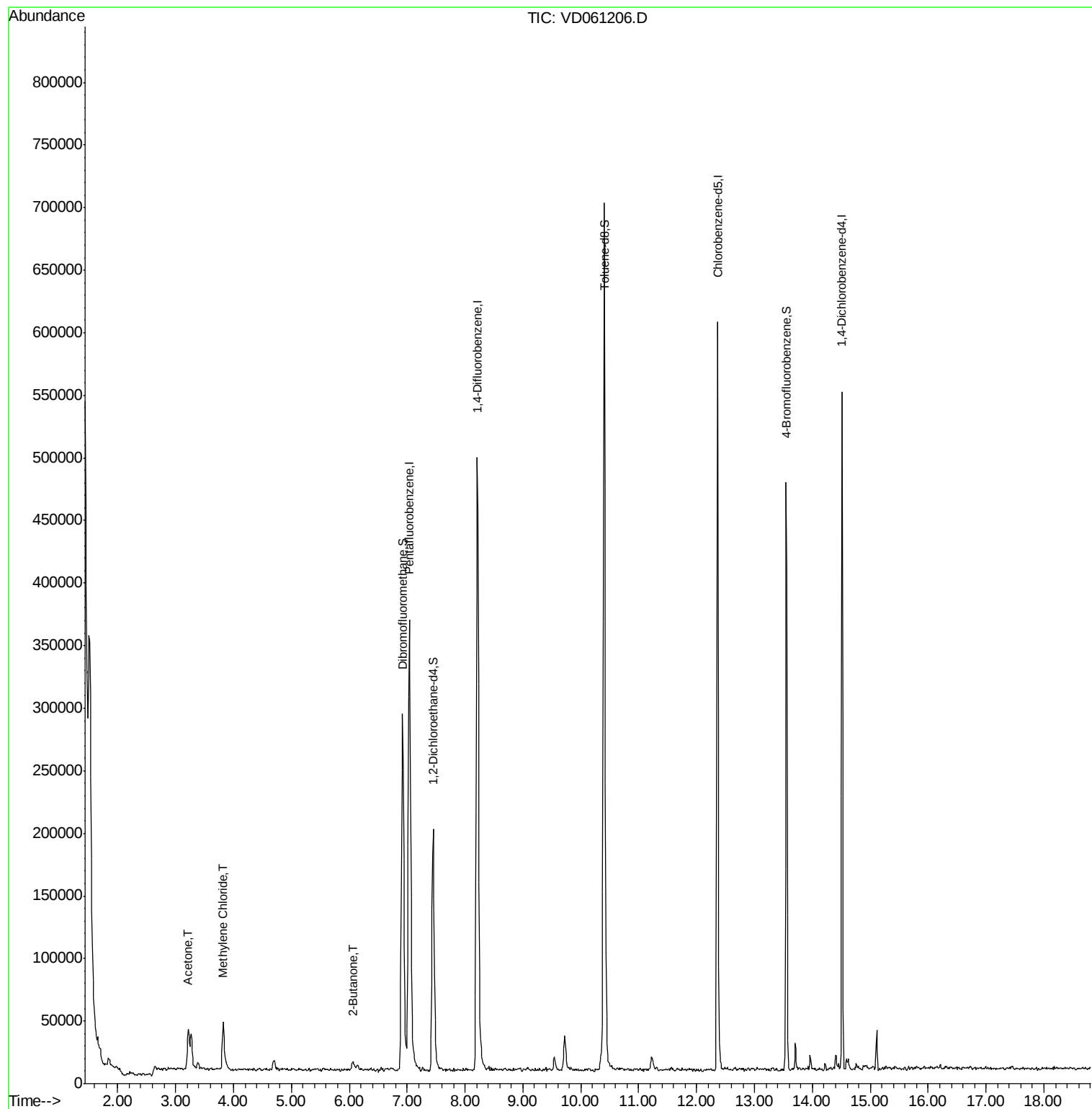
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 396209   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 662584   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 424731   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 119504   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 190346   | 57.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.44% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 283326   | 57.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.24% |          |
| 50) Toluene-d8              | 10.41 | 98   | 634331   | 51.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.74% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 160455   | 33.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 66.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 65108    | 69.037 | ug/l    | 98       |
| 20) Methylene Chloride      | 3.83  | 84   | 27949    | 2.025  | ug/l    | 90       |
| 25) 2-Butanone              | 6.06  | 43   | 16975    | 15.862 | ug/l    | 97       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA\_D

ClientSampleId :

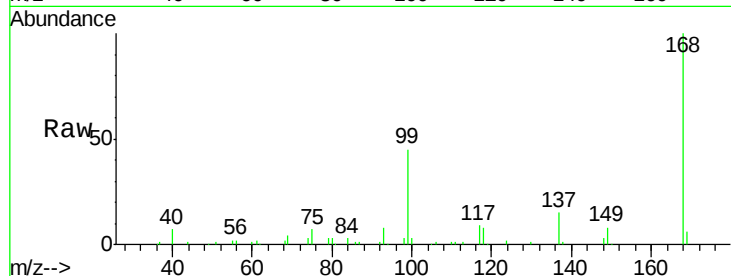
20190145-COMPOSITE-DRE

Tot Ion:168 Resp: 396209

Ion Ratio Lower Upper

168 100

99 45.5 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

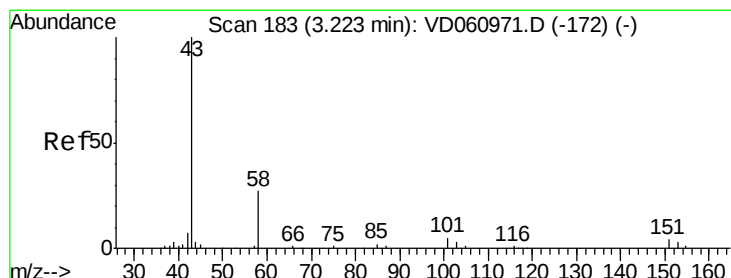
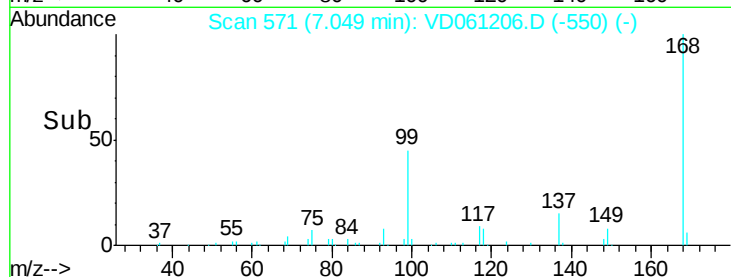
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 69.037 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061206.D

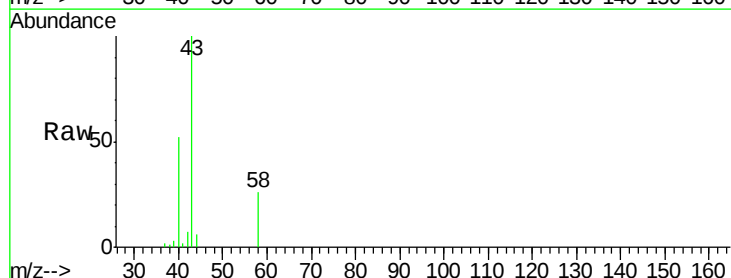
Acq: 20 Mar 2019 14:22

Tgt Ion: 43 Resp: 65108

Ion Ratio Lower Upper

43 100

58 26.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

25000

20000

15000

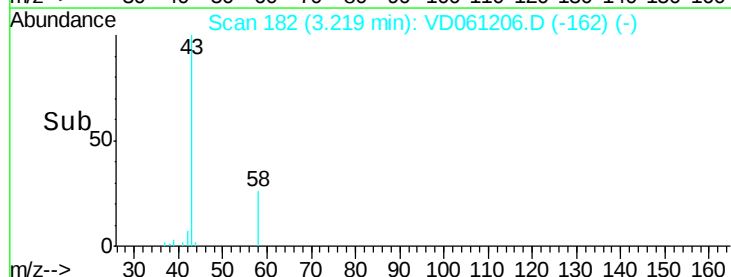
10000

5000

0

Time-->

3.10 3.20 3.30 3.40

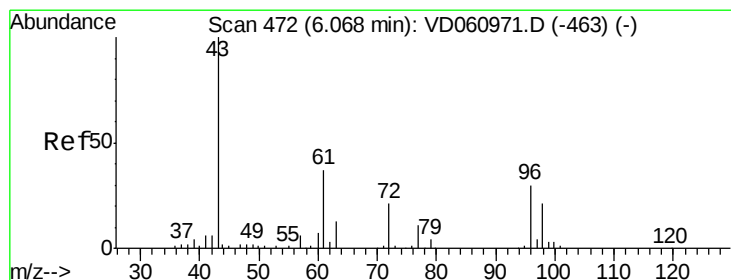
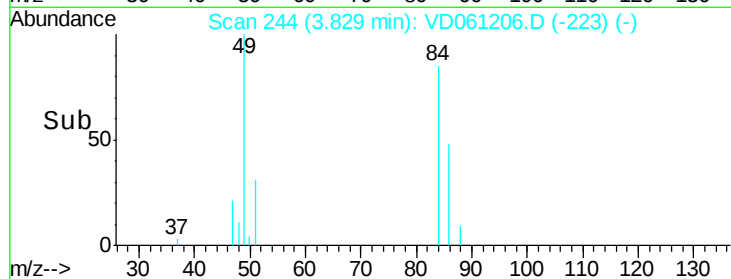
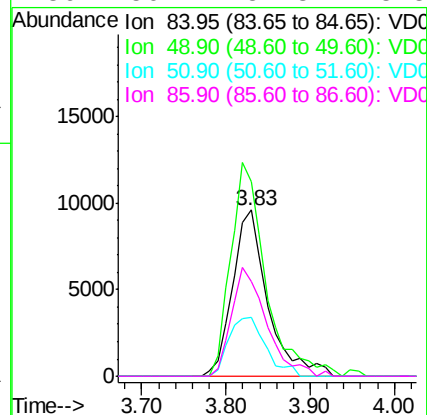
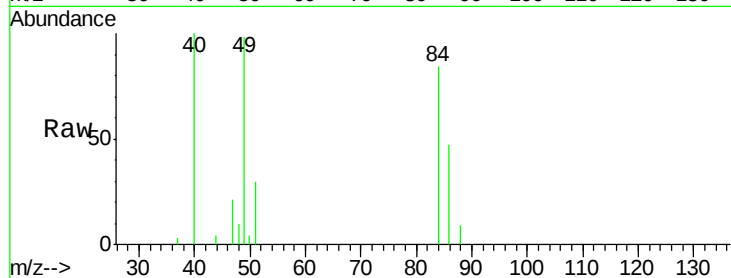




#20  
Methylene Chloride  
Concen: 2.025 ug/l  
RT: 3.83 min Scan# 244  
Delta R.T. 0.01 min  
Lab File: VD061206.D  
Acq: 20 Mar 2019 14:22

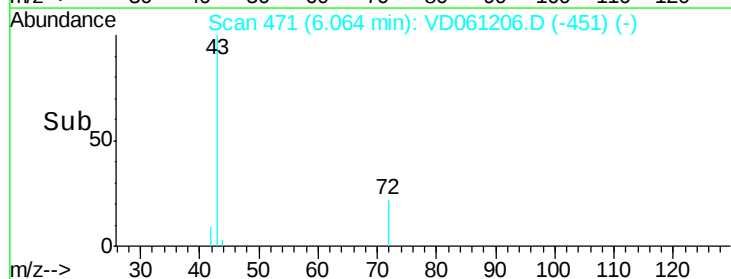
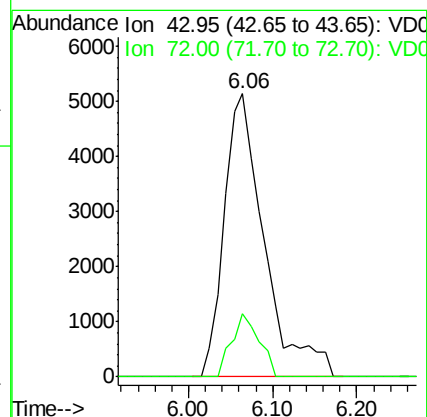
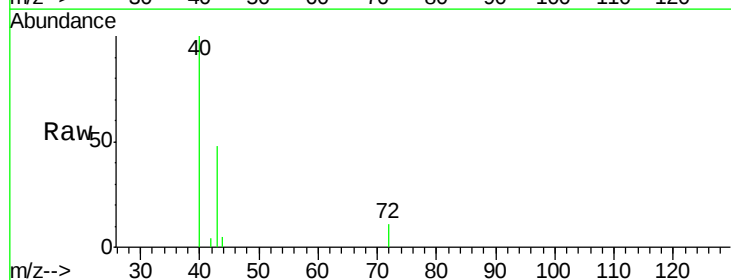
Instrument :  
MSVOA\_D  
ClientSampleId :  
20190145-COMPOSITE-DRE

Tot Ion: 84 Resp: 27949  
Ion Ratio Lower Upper  
84 100  
49 117.4 104.2 156.2  
51 35.8 32.3 48.5  
86 56.7 52.3 78.5



#25  
2-Butanone  
Concen: 15.862 ug/l  
RT: 6.06 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: VD061206.D  
Acq: 20 Mar 2019 14:22

Tgt Ion: 43 Resp: 16975  
Ion Ratio Lower Upper  
43 100  
72 22.1 16.7 25.1





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA\_D

ClientSampleId :

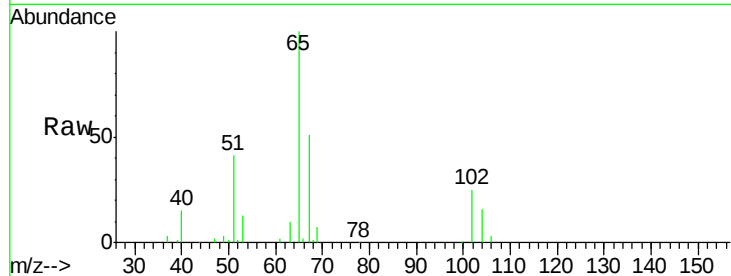
20190145-COMPOSITE-DRE

Tot Ion: 65 Resp: 190346

Ion Ratio Lower Upper

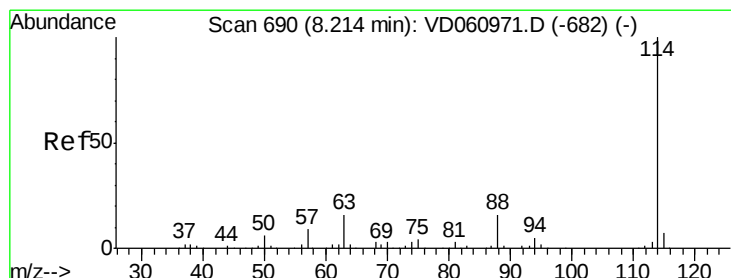
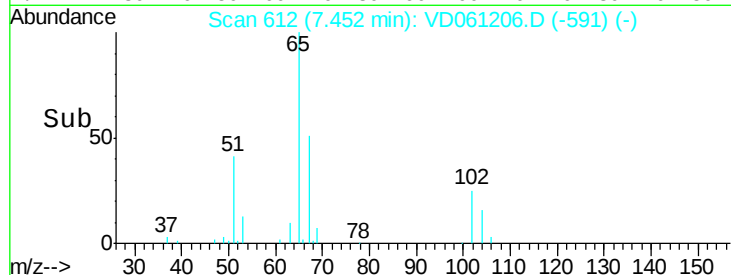
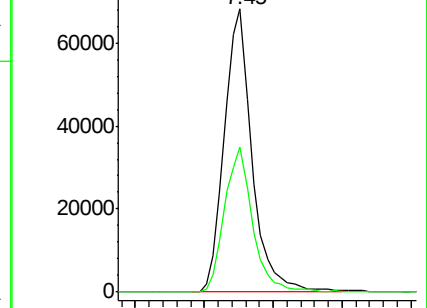
65 100

67 51.2 0.0 105.2



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: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

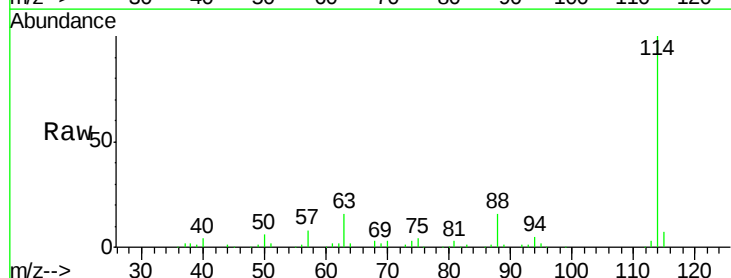
Tgt Ion: 114 Resp: 662584

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

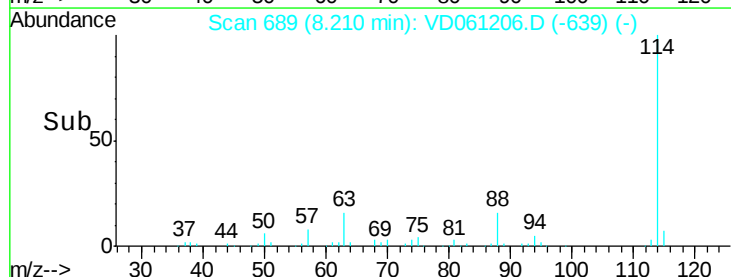
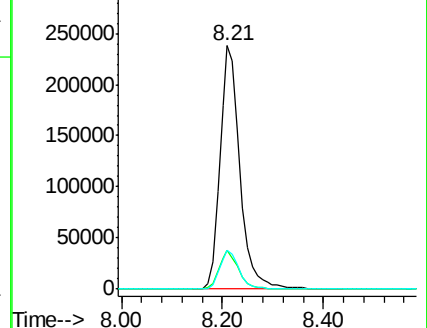
88 15.9 0.0 33.0

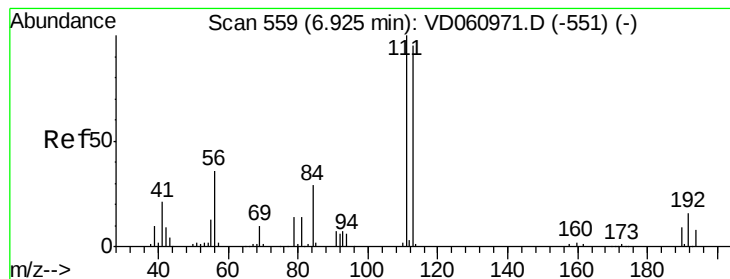


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA\_D

ClientSampleId :

20190145-COMPOSITE-DRE

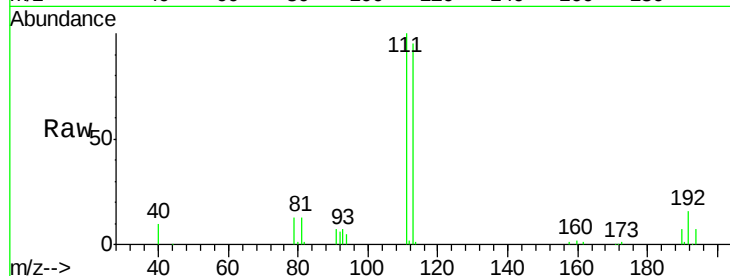
Tot Ion:113 Resp: 283326

Ion Ratio Lower Upper

113 100

111 105.4 84.2 126.4

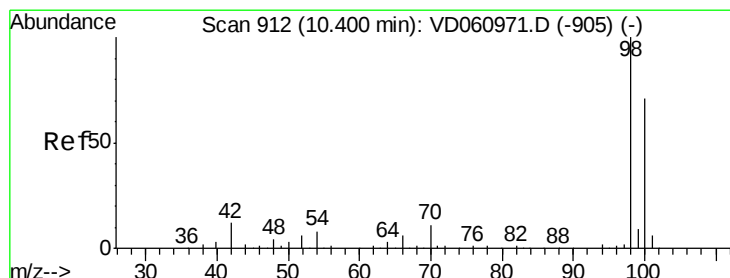
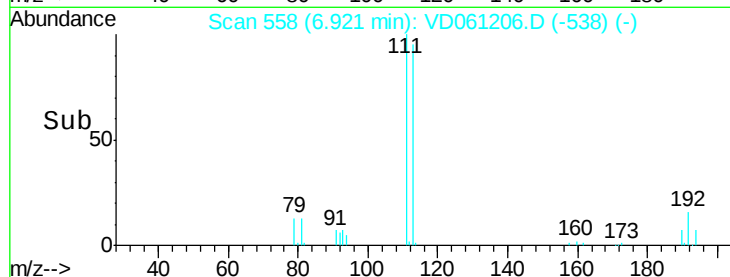
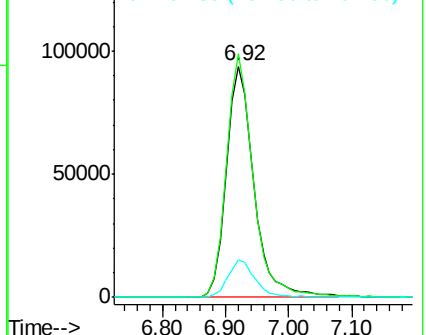
192 16.5 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061206.D

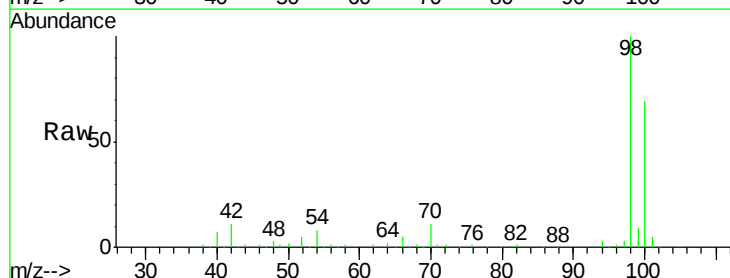
Acq: 20 Mar 2019 14:22

Tgt Ion: 98 Resp: 634331

Ion Ratio Lower Upper

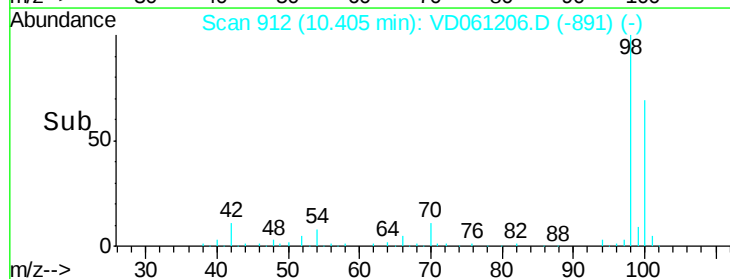
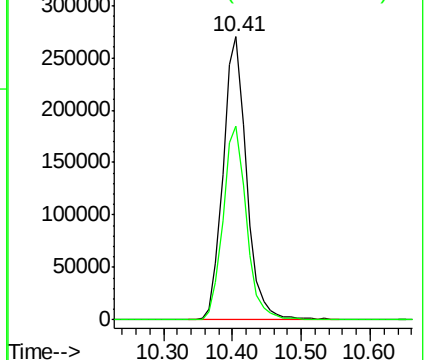
98 100

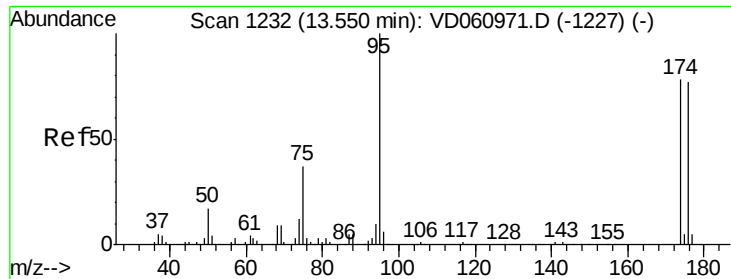
100 68.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA\_D

ClientSampleId :

20190145-COMPOSITE-DRE

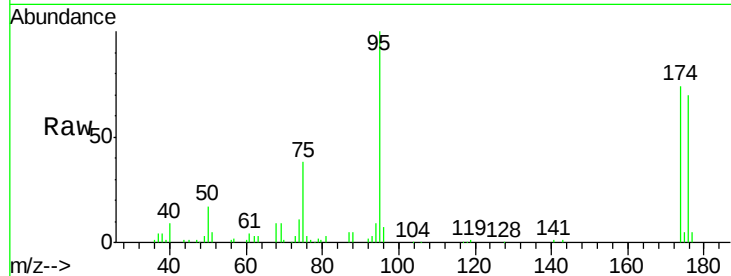
Tot Ion: 95 Resp: 160455

Ion Ratio Lower Upper

95 100

174 74.0 0.0 155.6

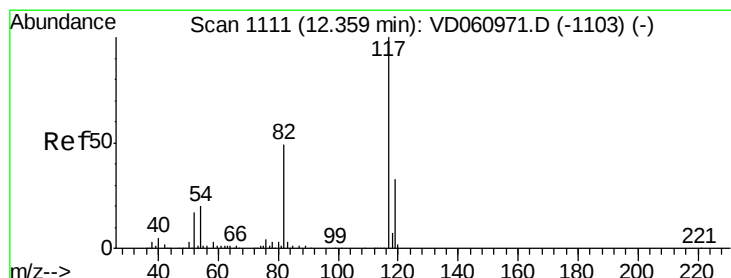
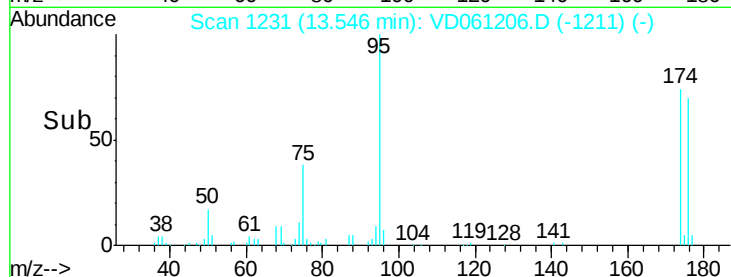
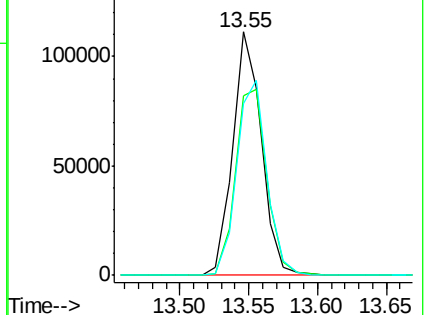
176 70.5 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

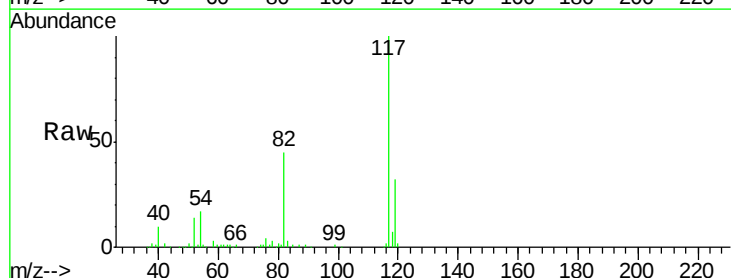
Tgt Ion: 117 Resp: 424731

Ion Ratio Lower Upper

117 100

82 44.8 38.9 58.3

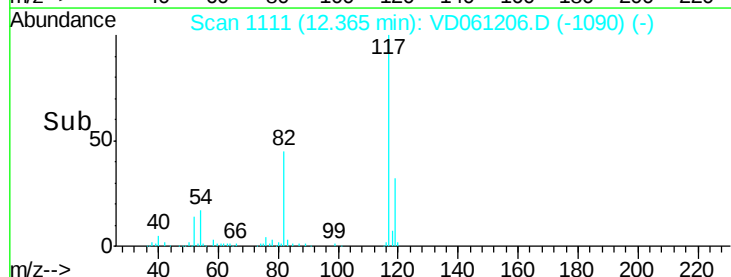
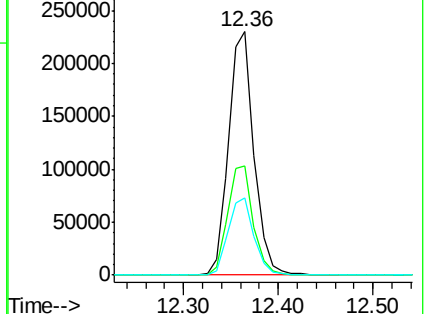
119 31.6 26.6 39.8

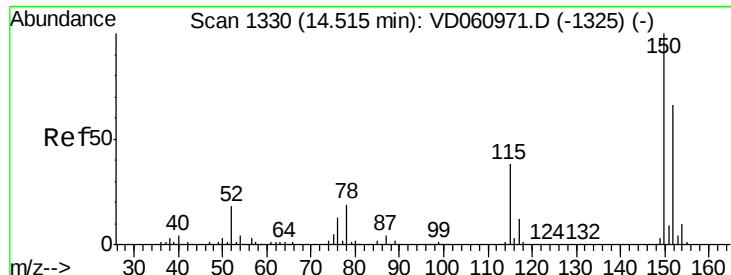


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



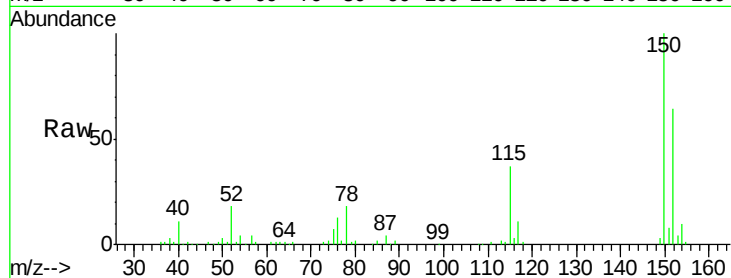


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.51 min Scan# 1329  
 Delta R.T. -0.00 min  
 Lab File: VD061206.D  
 Acq: 20 Mar 2019 14:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20190145-COMPOSITE-DRE

Tot Ion:152 Resp: 119504  
 Ion Ratio Lower Upper  
 152 100  
 115 58.1 28.6 85.9  
 150 156.2 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 115.00 (114.70 to 115.70): V  
 Ion 149.90 (149.60 to 150.60): V

