

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\  
 Data File : VD061193.D  
 Acq On : 19 Mar 2019 18:57  
 Operator : VA/AP  
 Sample : K1935-07RE  
 Misc : 3.01g/5ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-18(14-15)RE

Quant Time: Mar 20 02:17:27 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

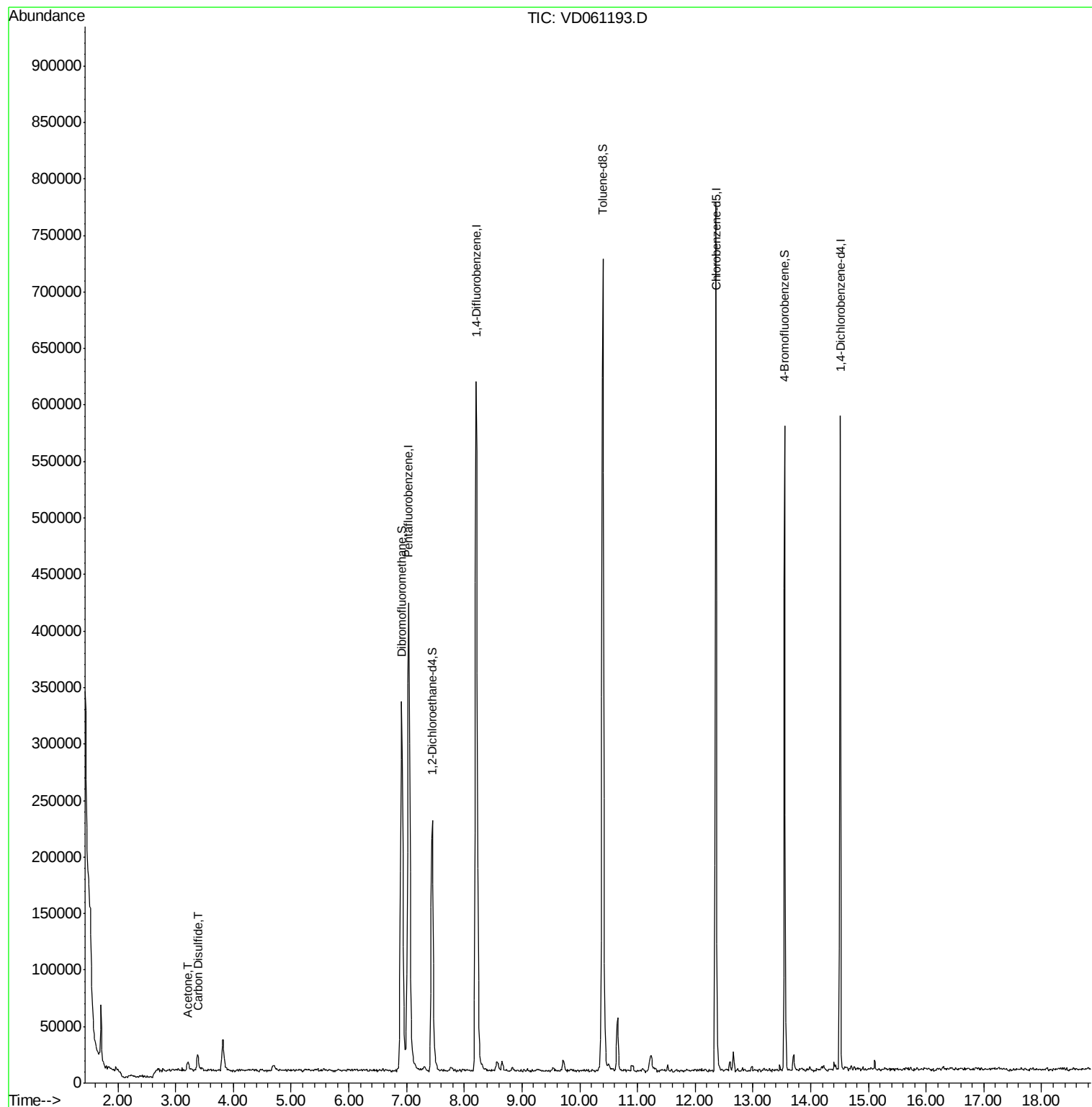
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.04  | 168  | 460630   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.20  | 114  | 754733   | 50.00  | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 477758   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 149029   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 214260   | 55.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.76% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 318965   | 56.95  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.90% |          |
| 50) Toluene-d8              | 10.40 | 98   | 630150   | 44.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.60%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 179358   | 32.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 65.72%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 15809    | 14.419 | ug/l    | 96       |
| 17) Carbon Disulfide        | 3.38  | 76   | 27778    | 1.781  | ug/l    | 99       |

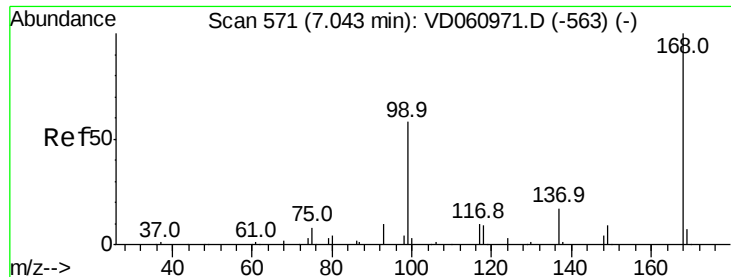
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-18(14-15)RE

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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: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061193.D

Acq: 19 Mar 2019 18:57

Instrument :

MSVOA\_D

ClientSampleId :

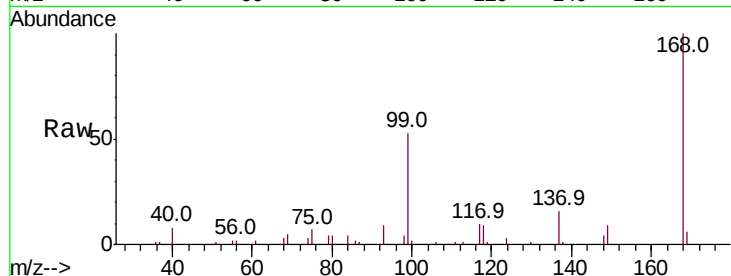
SB-18(14-15)RE

Tot Ion:168 Resp: 460630

Ion Ratio Lower Upper

168 100

99 53.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

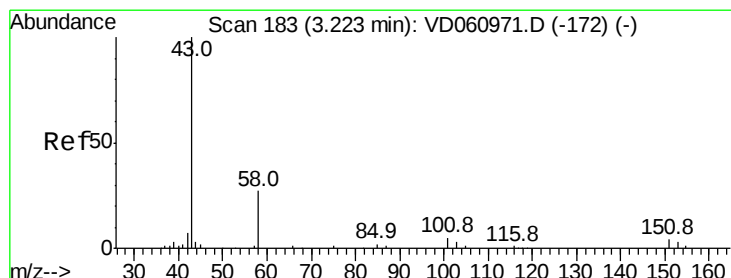
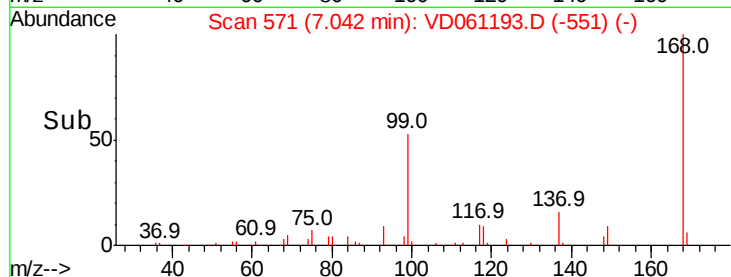
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 14.419 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061193.D

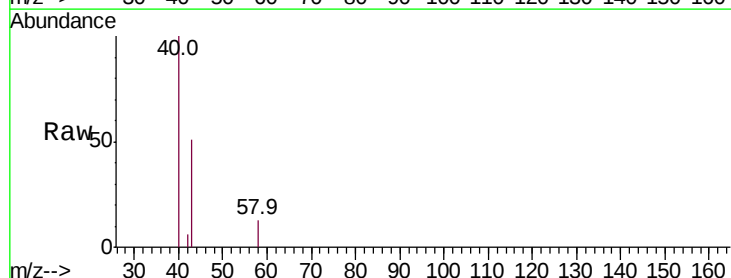
Acq: 19 Mar 2019 18:57

Tgt Ion: 43 Resp: 15809

Ion Ratio Lower Upper

43 100

58 25.1 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

6000

5000

4000

3000

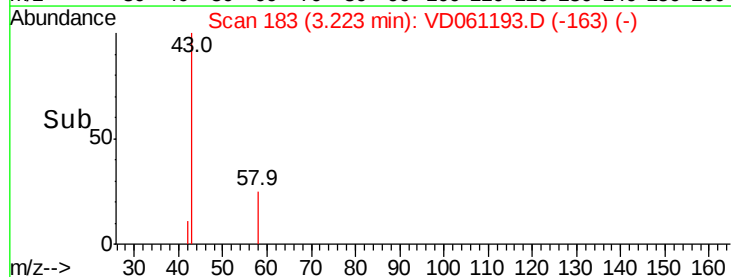
2000

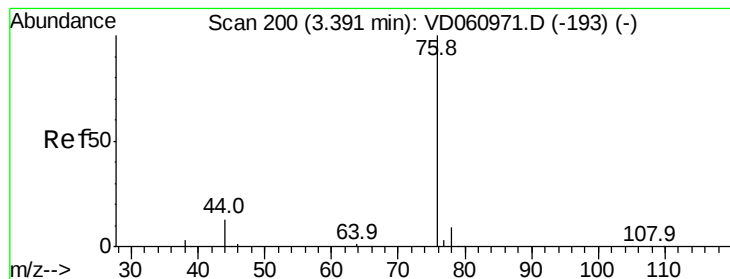
1000

0

Time-->

3.10 3.20 3.30





#17

Carbon Disulfide

Concen: 1.781 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061193.D

Acq: 19 Mar 2019 18:57

Instrument :

MSVOA\_D

ClientSampleId :

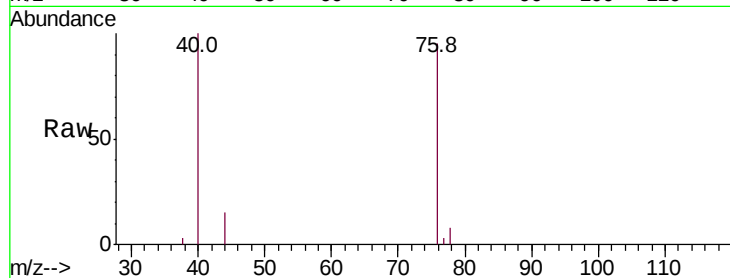
SB-18(14-15)RE

Tot Ion: 76 Resp: 27778

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

12000

10000

8000

6000

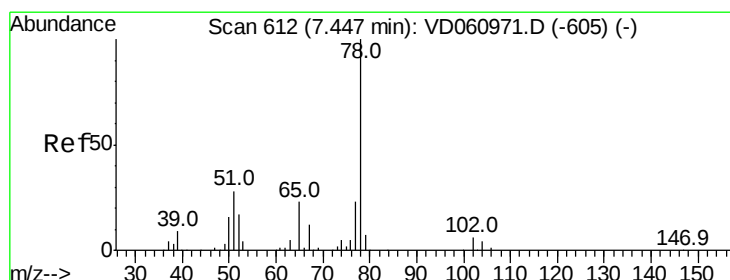
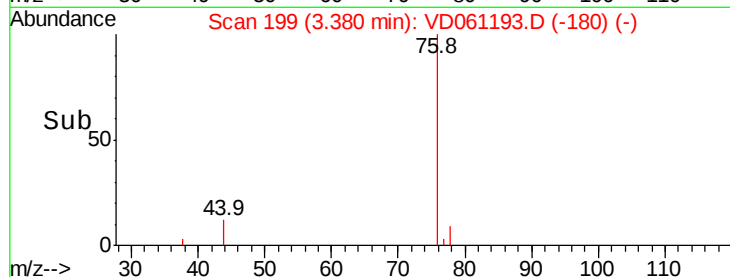
4000

2000

0

Time-->

3.30 3.40 3.50



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061193.D

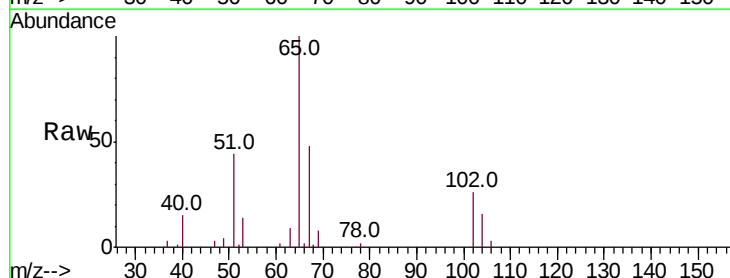
Acq: 19 Mar 2019 18:57

Tgt Ion: 65 Resp: 214260

Ion Ratio Lower Upper

65 100

67 48.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

80000

60000

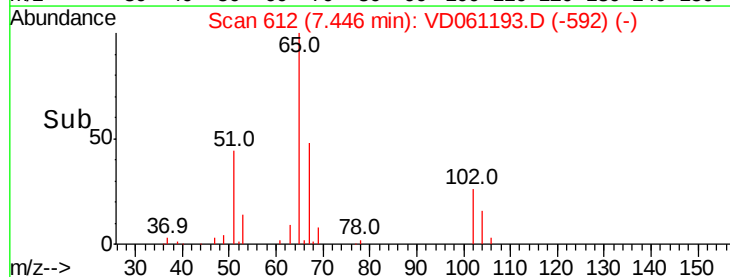
40000

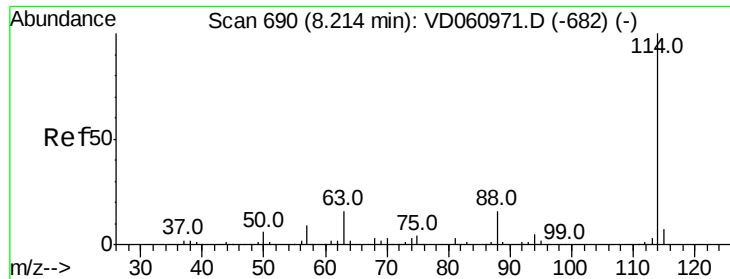
20000

0

Time-->

7.30 7.40 7.50 7.60

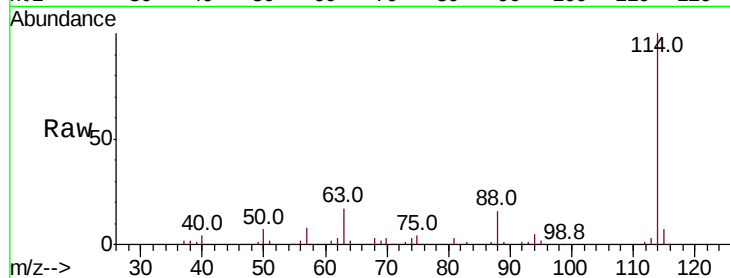




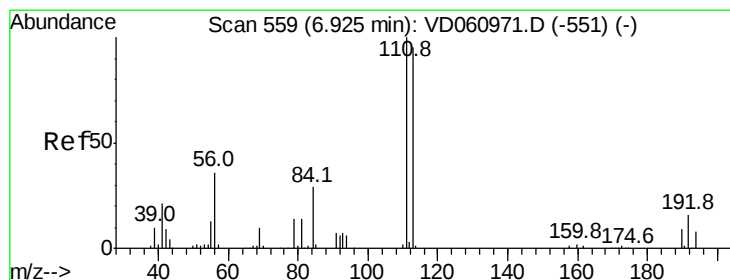
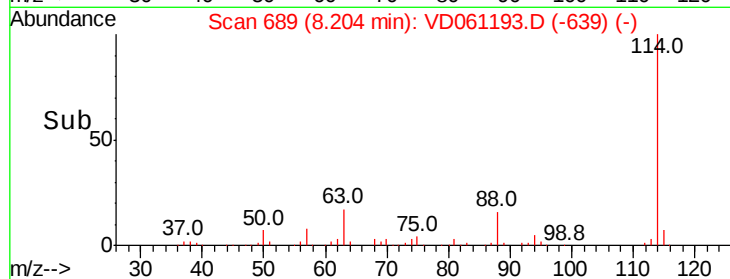
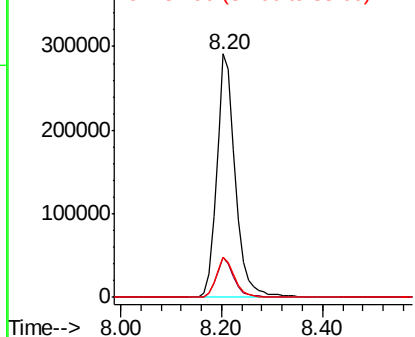
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.20 min Scan# 689  
 Delta R.T. -0.01 min  
 Lab File: VD061193.D  
 Acq: 19 Mar 2019 18:57

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-18(14-15)RE

Tot Ion:114 Resp: 754733  
 Ion Ratio Lower Upper  
 114 100  
 63 16.5 0.0 31.4  
 88 16.4 0.0 33.0

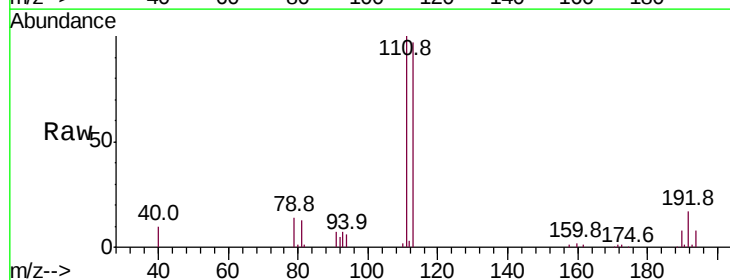


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

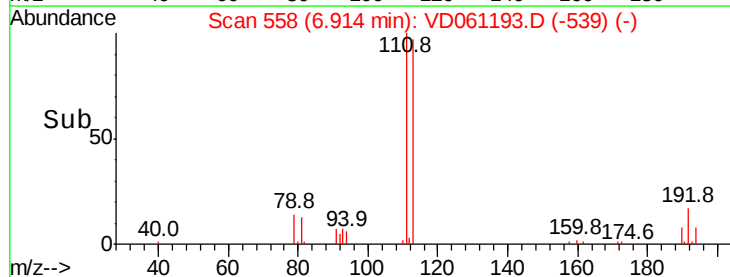
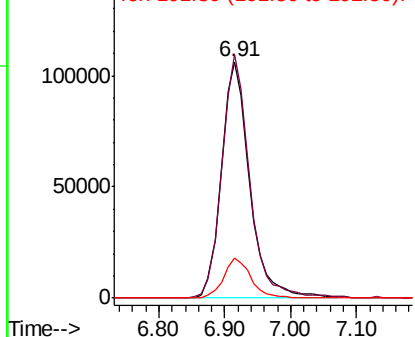


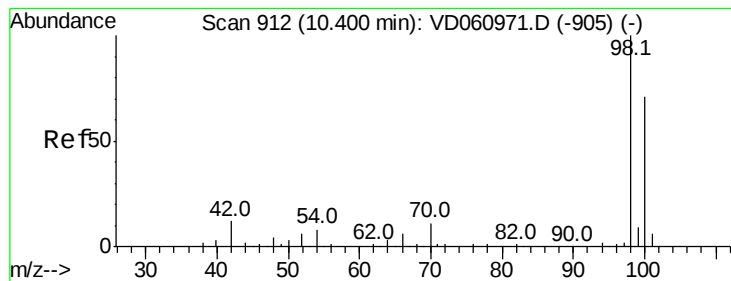
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.91 min Scan# 558  
 Delta R.T. -0.01 min  
 Lab File: VD061193.D  
 Acq: 19 Mar 2019 18:57

Tgt Ion:113 Resp: 318965  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 84.2 126.4  
 192 17.1 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: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061193.D

Acq: 19 Mar 2019 18:57

Instrument :

MSVOA\_D

ClientSampleId :

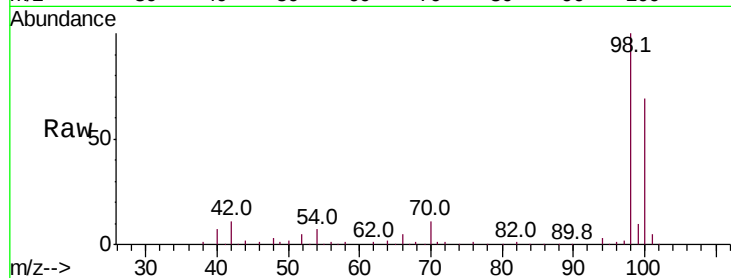
SB-18(14-15)RE

Tot Ion: 98 Resp: 630150

Ion Ratio Lower Upper

98 100

100 69.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.40

250000

200000

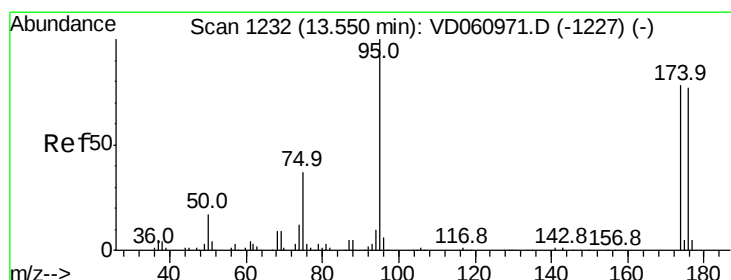
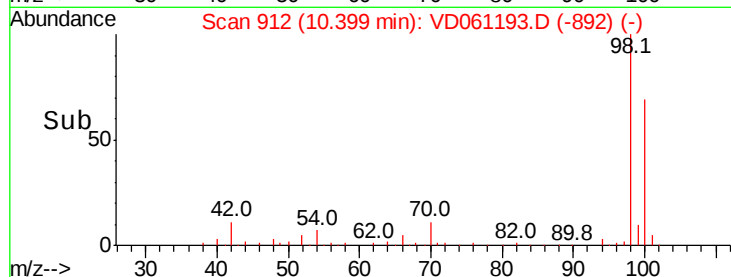
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061193.D

Acq: 19 Mar 2019 18:57

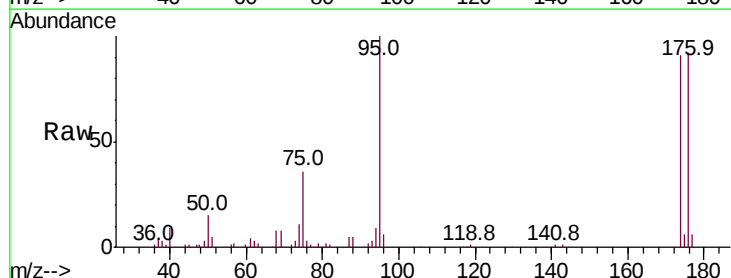
Tgt Ion: 95 Resp: 179358

Ion Ratio Lower Upper

95 100

174 90.6 0.0 155.6

176 92.1 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.55

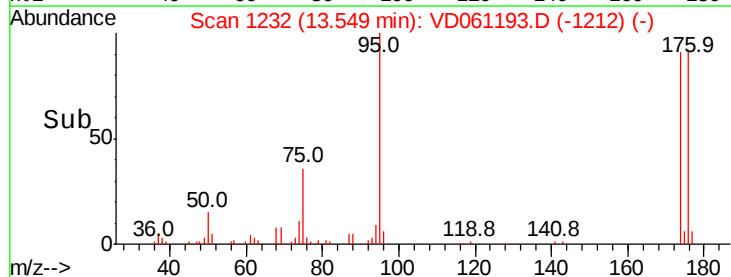
150000

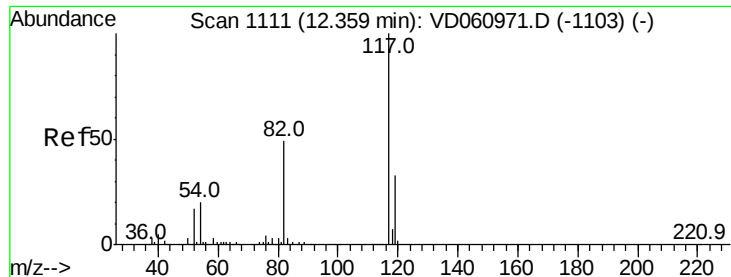
100000

50000

0

Time-->

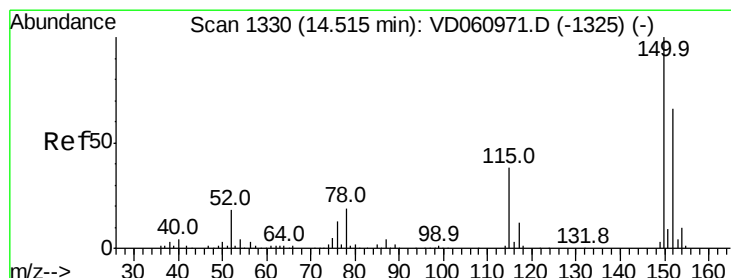
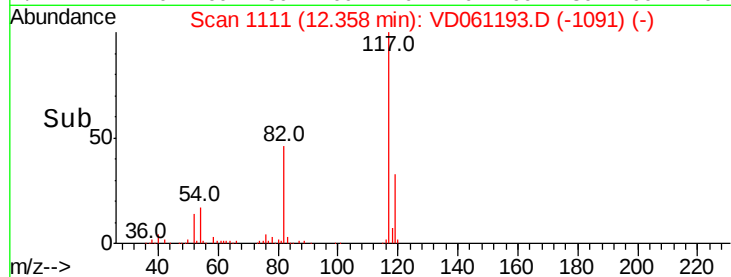
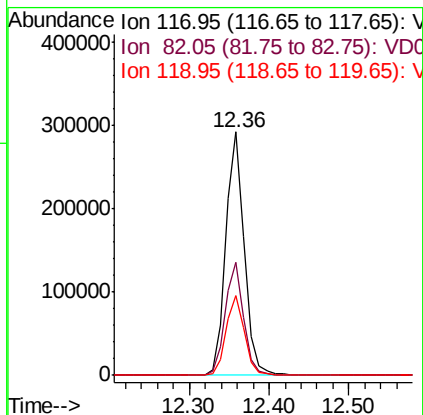
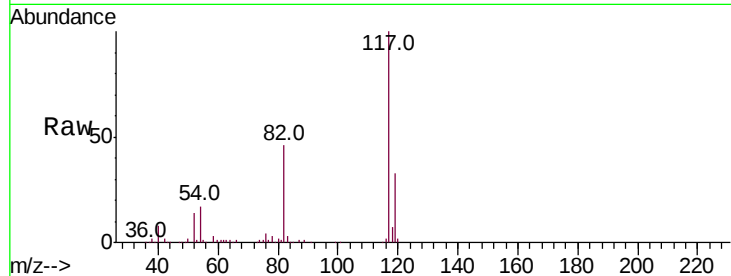




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. -0.00 min  
Lab File: VD061193.D  
Acq: 19 Mar 2019 18:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18(14-15)RE

Tot Ion:117 Resp: 477758  
Ion Ratio Lower Upper  
117 100  
82 46.3 38.9 58.3  
119 32.8 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: VD061193.D  
Acq: 19 Mar 2019 18:57

Tgt Ion:152 Resp: 149029  
Ion Ratio Lower Upper  
152 100  
115 52.0 28.6 85.9  
150 158.3 0.0 310.6

