

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\  
 Data File : VD063291.D  
 Acq On : 1 Aug 2019 14:40  
 Operator : VA/AP  
 Sample : K4120-01  
 Misc : 5.24g/5ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 T1-1

Quant Time: Aug 02 07:48:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 1111649  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 1605760  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 1203873  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 422445   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 7.46   | 65  | 437309   | 35.45 | ug/l   | 0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 70.90% |      |
| 35) Dibromofluoromethane    | 6.92   | 113 | 489200   | 35.68 | ug/l   | 0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 71.36% |      |
| 50) Toluene-d8              | 10.41  | 98  | 996043   | 32.46 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 64.92% |      |
| 62) 4-Bromofluorobenzene    | 13.55  | 95  | 341812   | 24.45 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 48.90% |      |

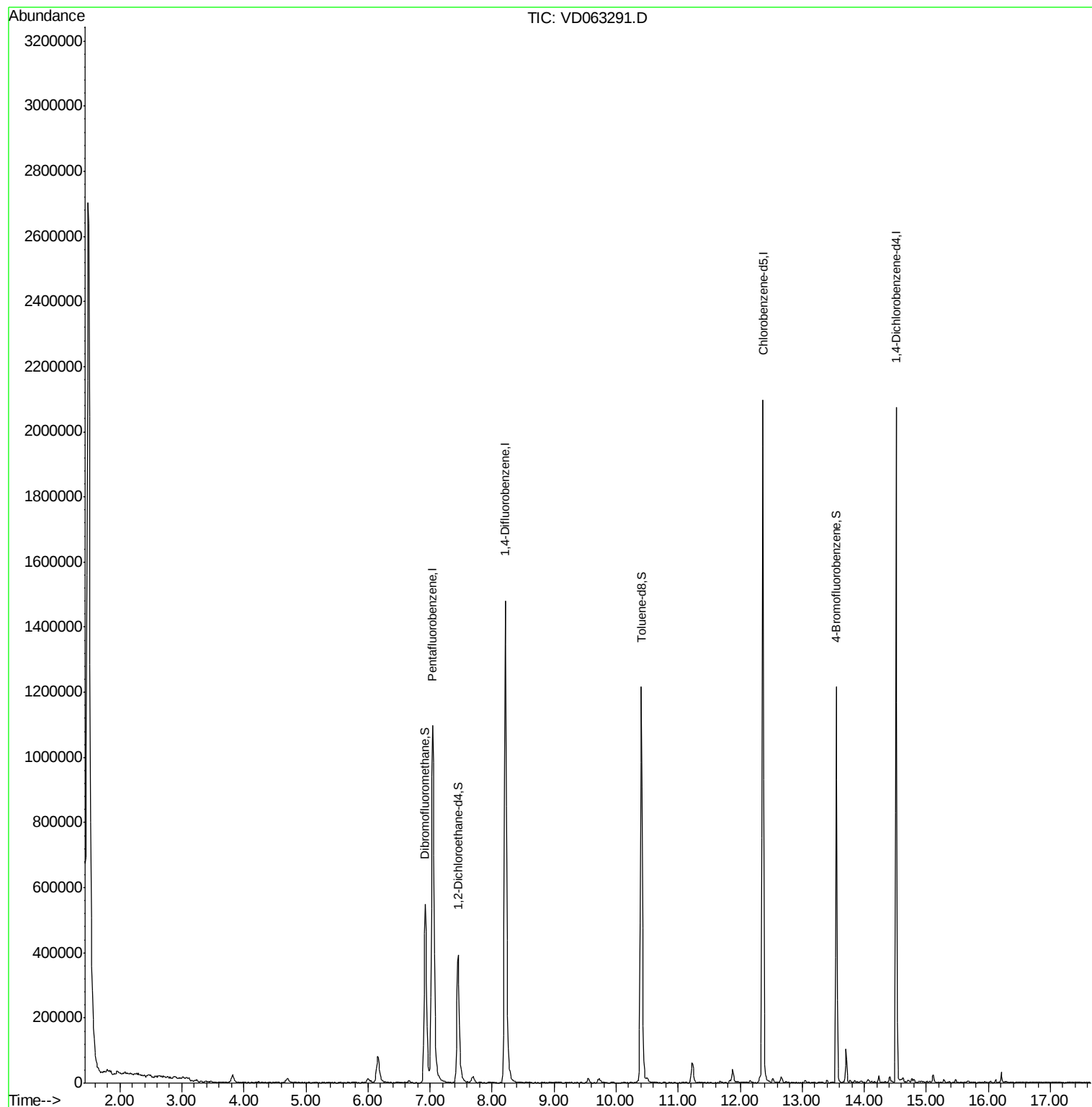
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

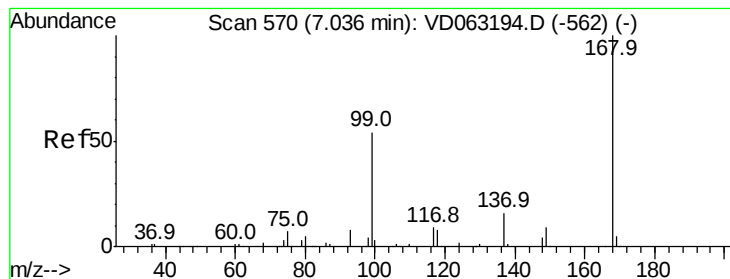
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\  
Data File : VD063291.D  
Acq On : 1 Aug 2019 14:40  
Operator : VA/AP  
Sample : K4120-01  
Misc : 5.24g/5ml/MSVOA D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
T1-1

Quant Time: Aug 02 07:48:06 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

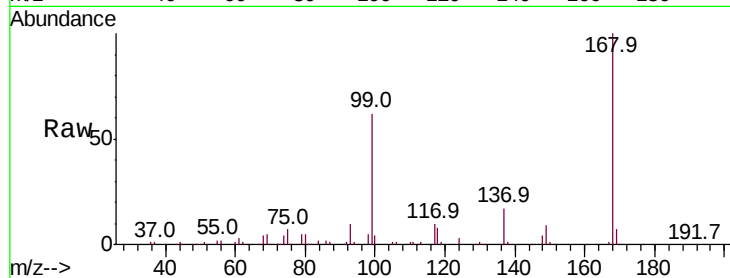
Instrument :  
MSVOA\_D  
ClientSampled :  
T1-1

Tot Ion:168 Resp: 1111649

Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

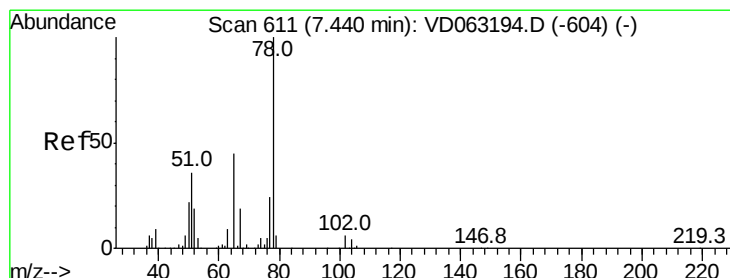
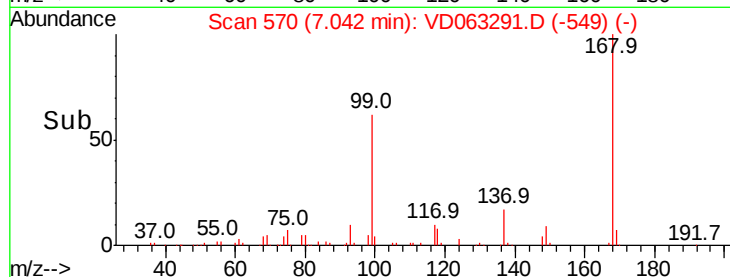
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 35.453 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD063291.D

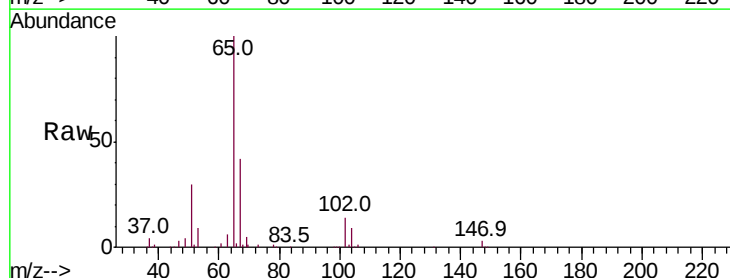
Acq: 1 Aug 2019 14:40

Tgt Ion: 65 Resp: 437309

Ion Ratio Lower Upper

65 100

67 42.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

150000

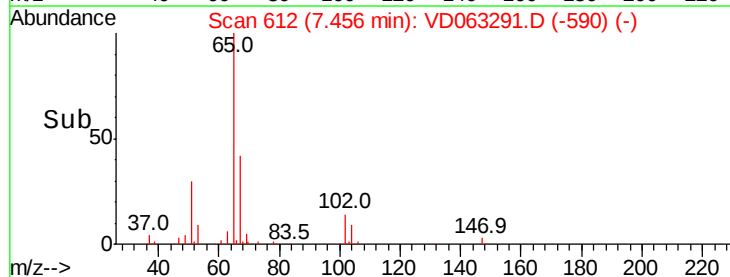
100000

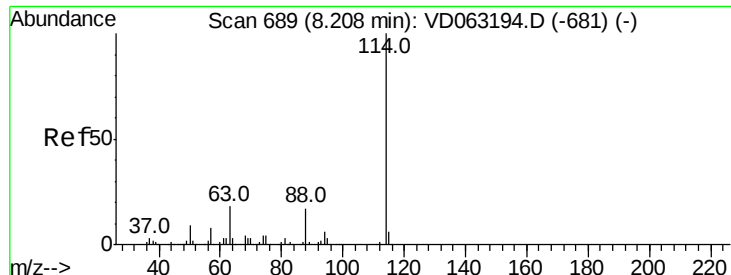
50000

0

7.30 7.40 7.50 7.60

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA\_D

ClientSampleId :

T1-1

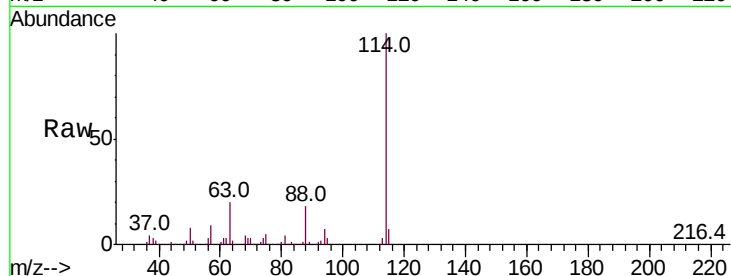
Tot Ion:114 Resp: 1605760

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.2

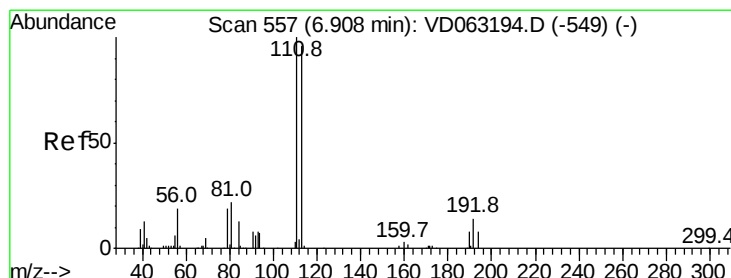
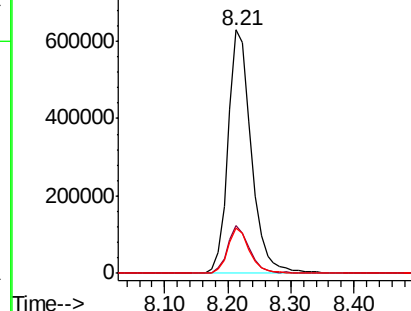
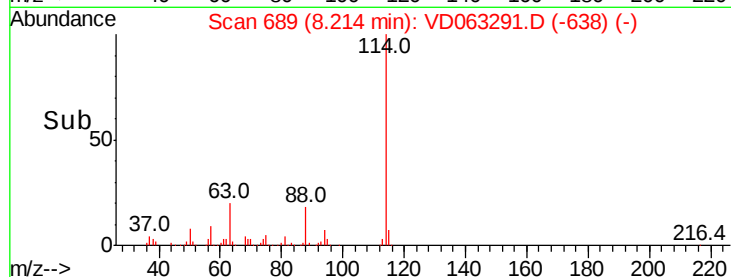
88 18.3 0.0 34.6



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: 35.683 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

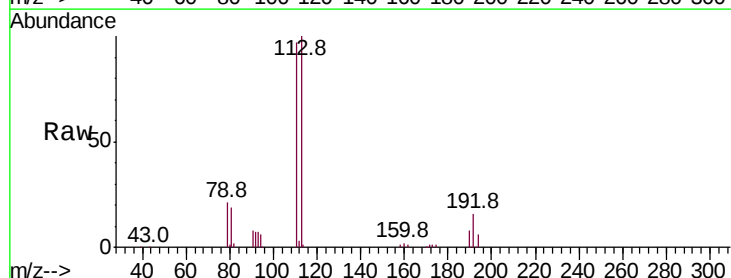
Tgt Ion:113 Resp: 489200

Ion Ratio Lower Upper

113 100

111 97.0 83.2 124.8

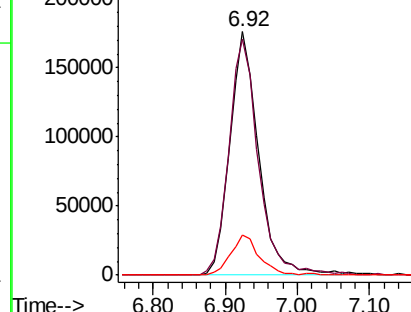
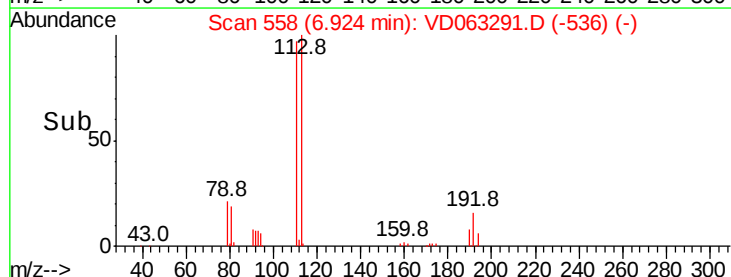
192 16.5 11.8 17.8

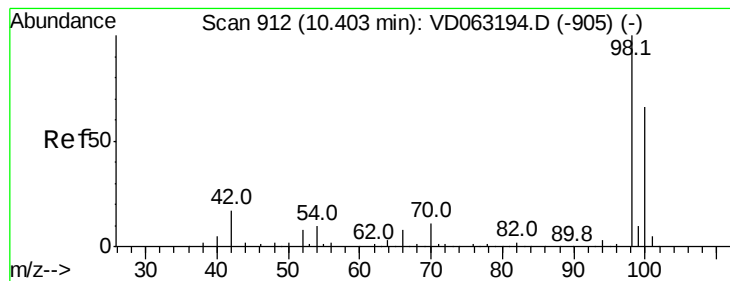


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 32.463 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA\_D

ClientSampleId :

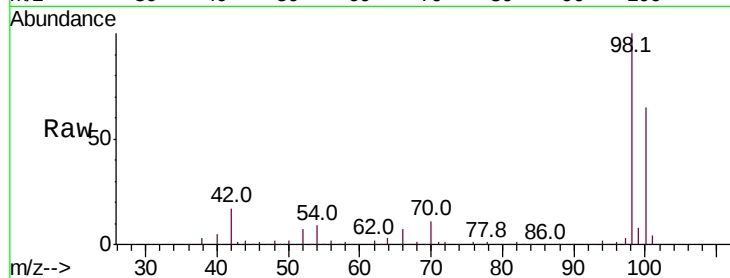
T1-1

Tot Ion: 98 Resp: 996043

Ion Ratio Lower Upper

98 100

100 65.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VD

500000

400000

300000

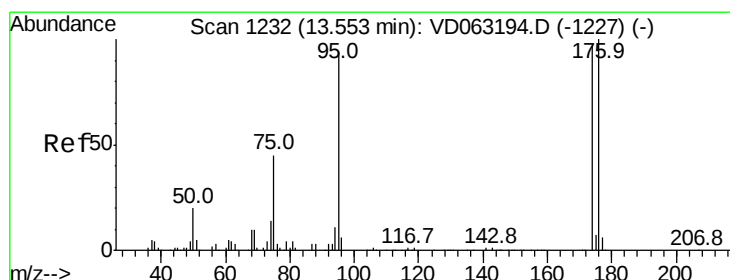
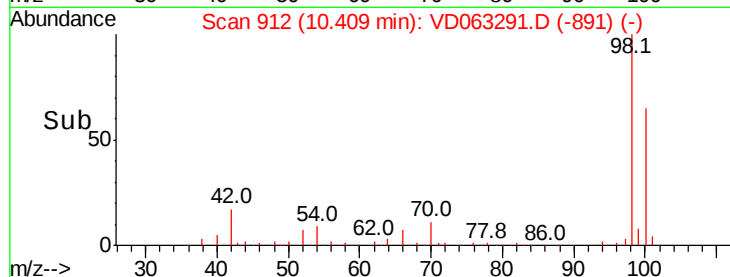
200000

100000

0

10.30 10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 24.447 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

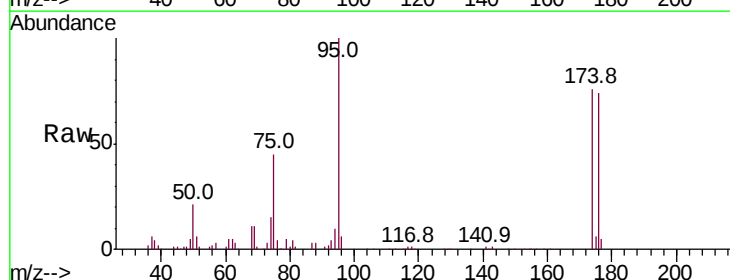
Tgt Ion: 95 Resp: 341812

Ion Ratio Lower Upper

95 100

174 76.4 0.0 205.4

176 74.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

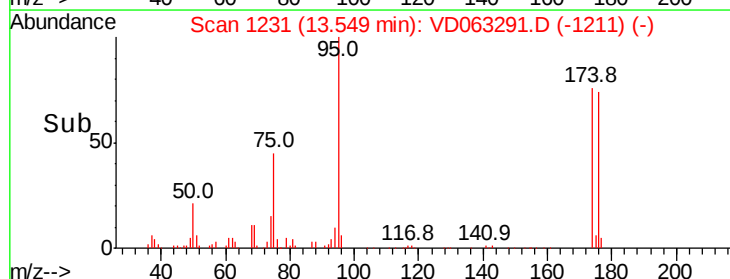
200000

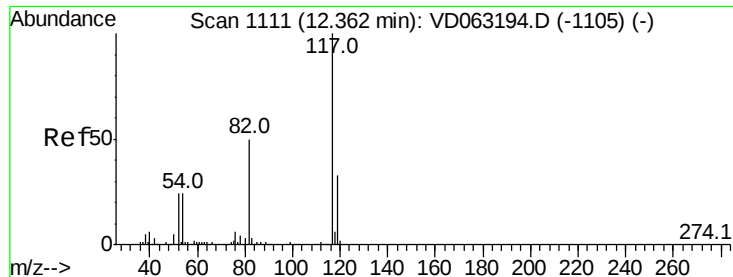
100000

0

13.50 13.60

Time-->

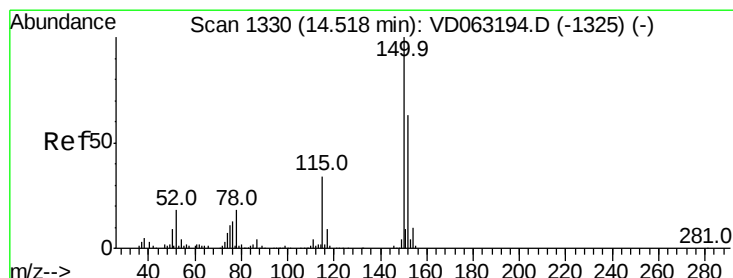
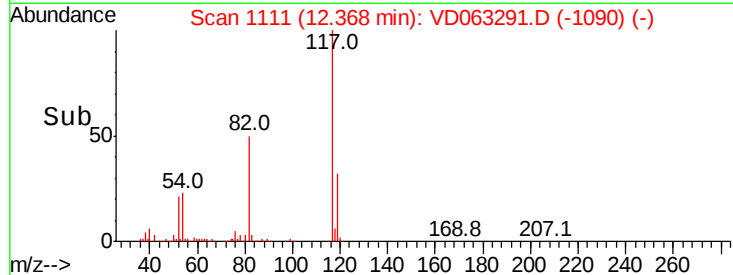
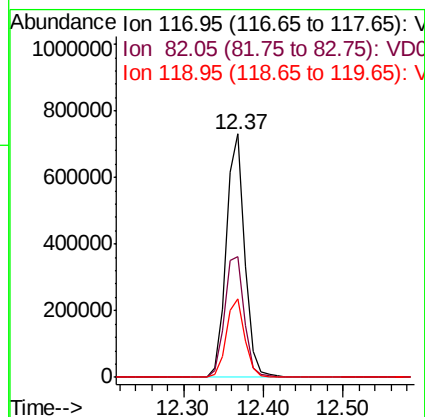
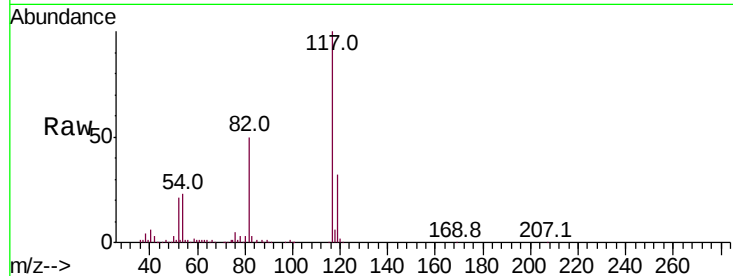




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD063291.D  
Acq: 1 Aug 2019 14:40

Instrument :  
MSVOA\_D  
ClientSampled :  
T1-1

Tot Ion:117 Resp: 1203873  
Ion Ratio Lower Upper  
117 100  
82 49.6 40.1 60.1  
119 32.0 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.00 min  
Lab File: VD063291.D  
Acq: 1 Aug 2019 14:40

Tgt Ion:152 Resp: 422445  
Ion Ratio Lower Upper  
152 100  
115 61.1 27.5 82.4  
150 159.7 0.0 320.6

