

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD051419\  
 Data File : VD062355.D  
 Acq On : 14 May 2019 19:15  
 Operator : FY/SY  
 Sample : K2735-01RE  
 Misc : 6.58g/5mL/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P026-SS015-0206-01RE

Quant Time: May 15 02:34:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 14:26:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.07  | 168  | 817625   | 50.00 | ug/l  | 0.04     |
| 34) 1,4-Difluorobenzene    | 8.24  | 114  | 1107212  | 50.00 | ug/l  | 0.04     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 857813   | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 444282   | 50.00 | ug/l  | 0.01     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 7.47   | 65  | 305842   | 40.25 | ug/l   | 0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 80.50% |      |
| 35) Dibromofluoromethane    | 6.95   | 113 | 376842   | 41.02 | ug/l   | 0.05 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 82.04% |      |
| 50) Toluene-d8              | 10.42  | 98  | 735956   | 33.23 | ug/l   | 0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 66.46% |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 300479   | 33.78 | ug/l   | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 67.56% |      |

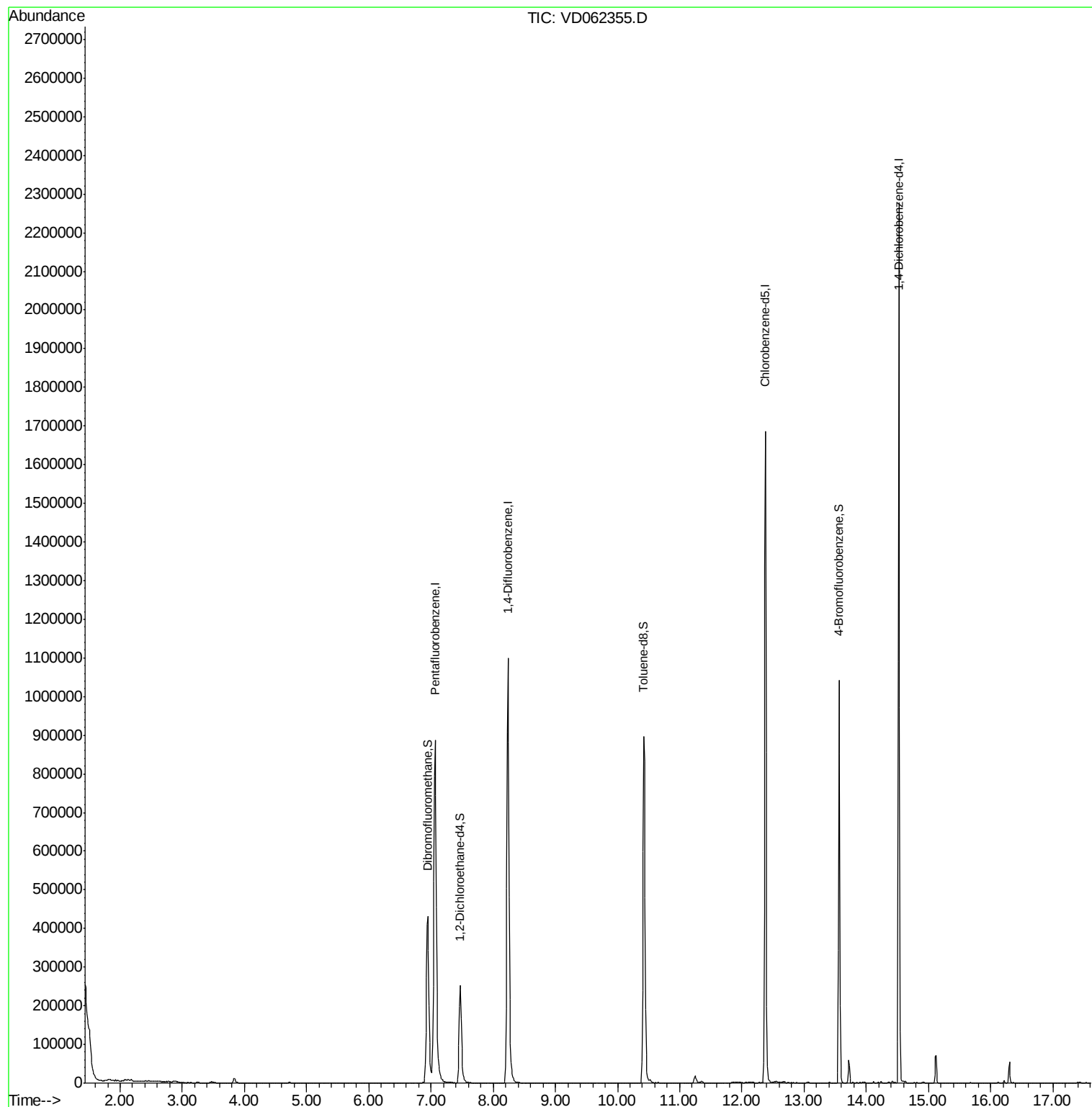
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

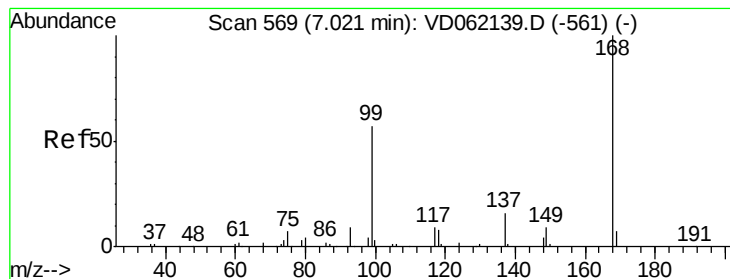
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA\_D

ClientSampleId :

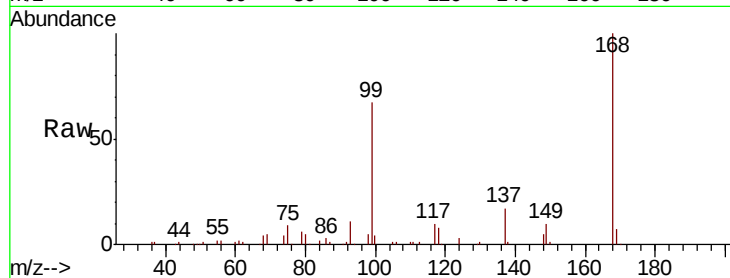
P026-SS015-0206-01RE

Tgt Ion:168 Resp: 817625

Ion Ratio Lower Upper

168 100

99 66.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

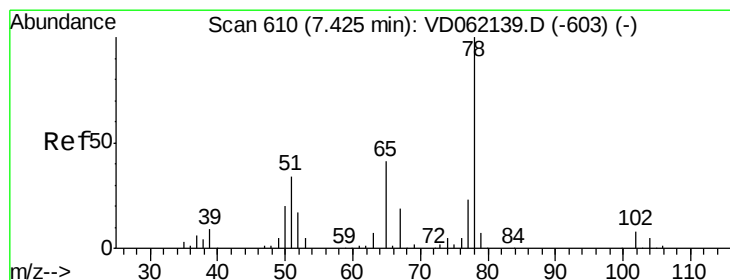
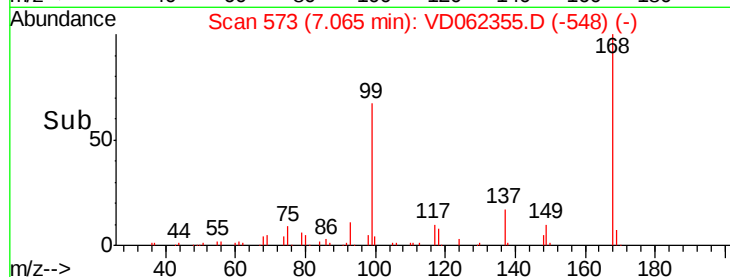
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 40.251 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062355.D

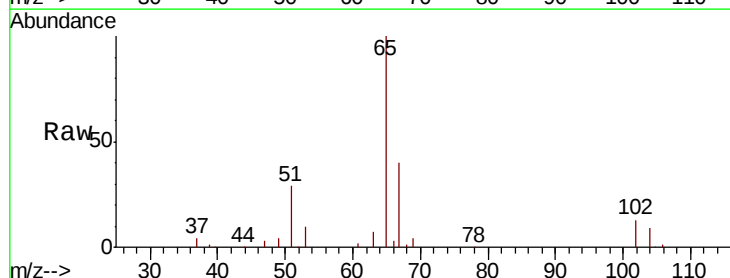
Acq: 14 May 2019 19:15

Tgt Ion: 65 Resp: 305842

Ion Ratio Lower Upper

65 100

67 40.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

120000

100000

80000

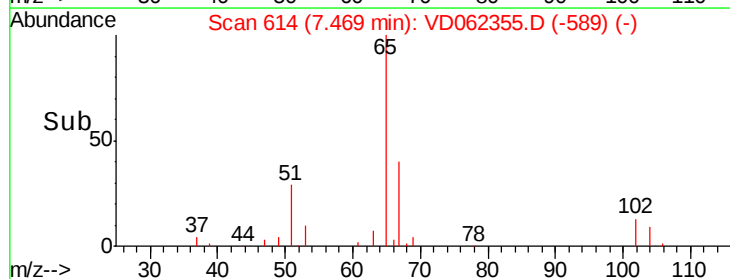
60000

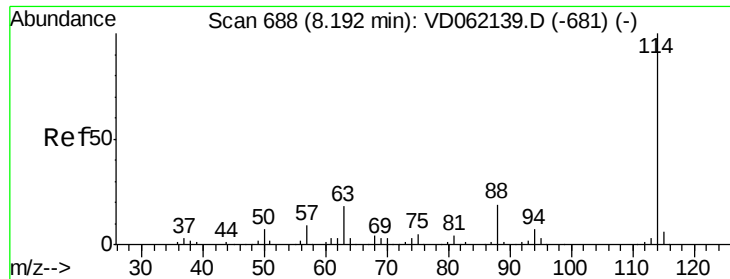
40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA\_D

ClientSampleId :

P026-SS015-0206-01RE

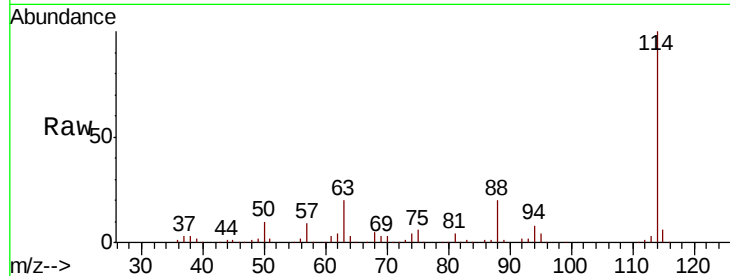
Tgt Ion:114 Resp: 1107212

Ion Ratio Lower Upper

114 100

63 20.5 0.0 32.4

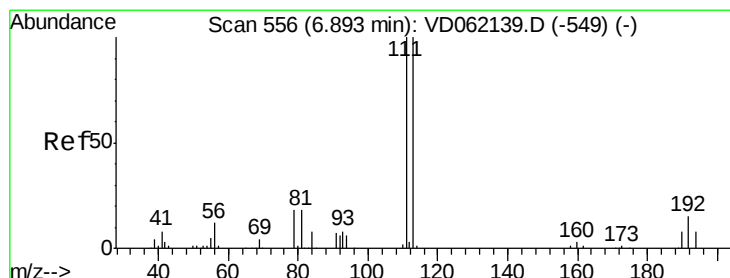
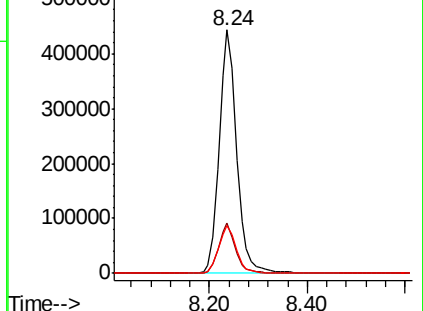
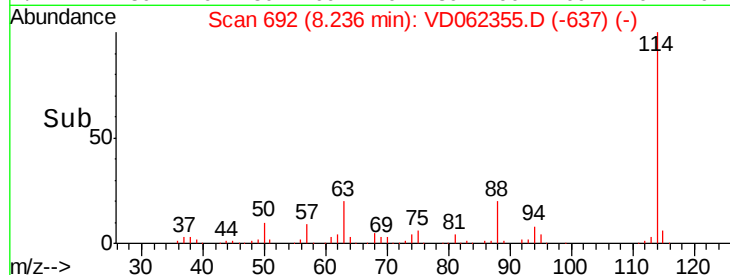
88 19.7 0.0 33.6



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: 41.021 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

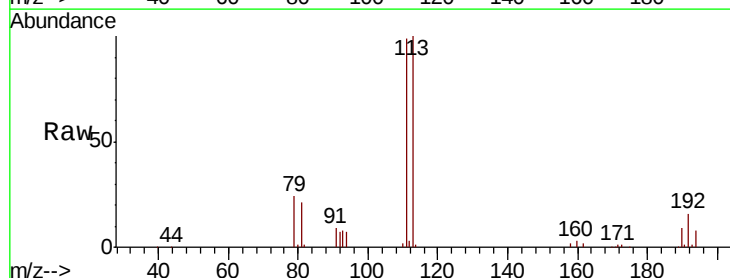
Tgt Ion:113 Resp: 376842

Ion Ratio Lower Upper

113 100

111 98.9 78.5 117.7

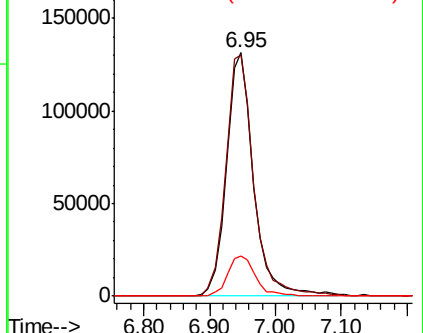
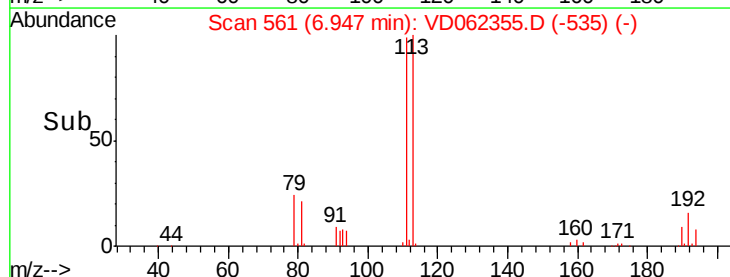
192 16.3 13.0 19.4

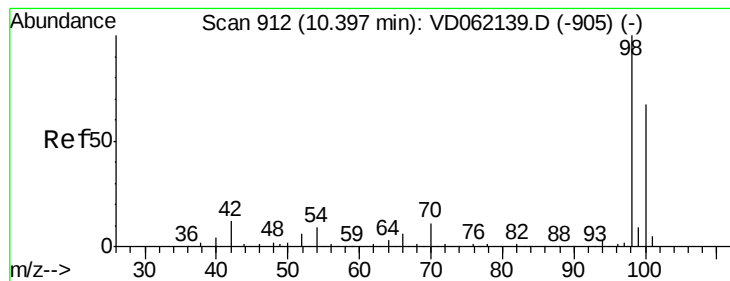


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 33.226 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA\_D

ClientSampleId :

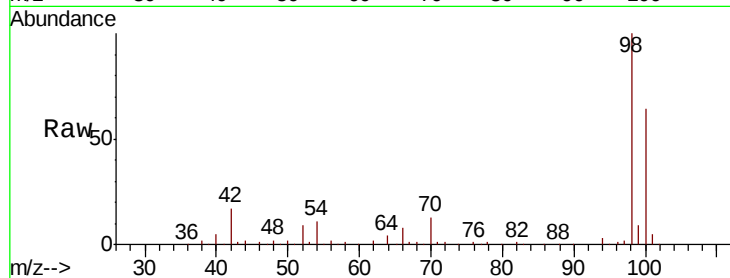
P026-SS015-0206-01RE

Tgt Ion: 98 Resp: 735956

Ion Ratio Lower Upper

98 100

100 63.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.42

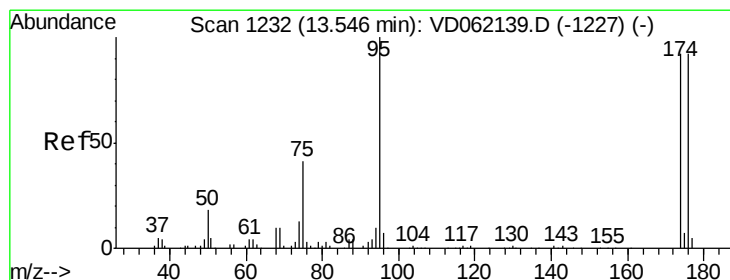
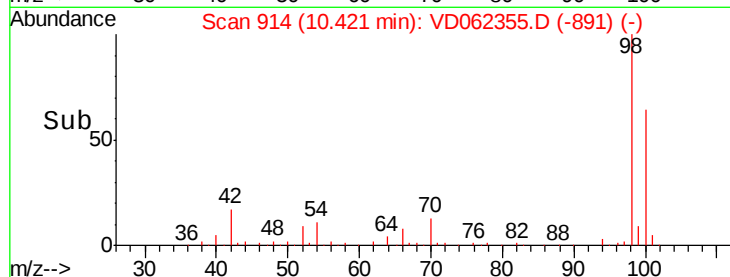
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 33.782 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

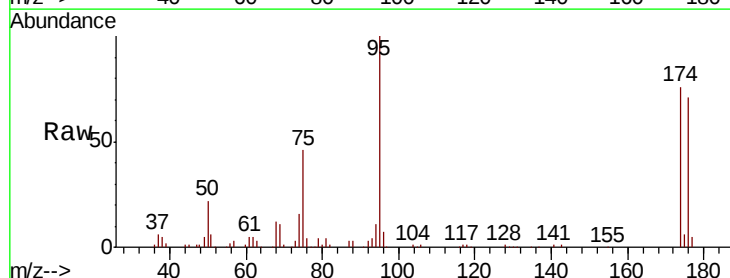
Tgt Ion: 95 Resp: 300479

Ion Ratio Lower Upper

95 100

174 75.7 0.0 181.8

176 70.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

300000

250000

200000

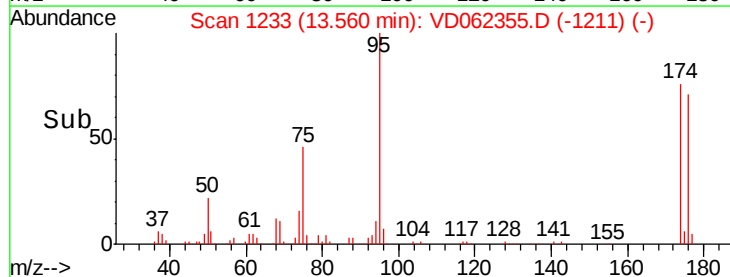
150000

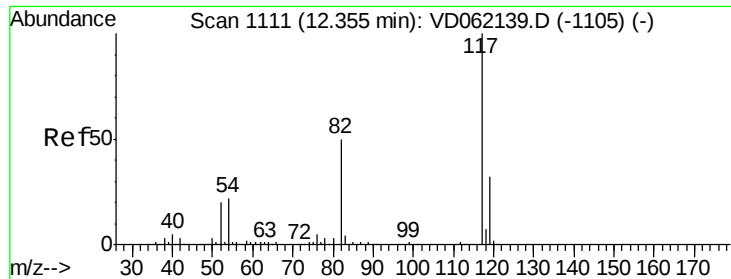
100000

50000

0

Time-->

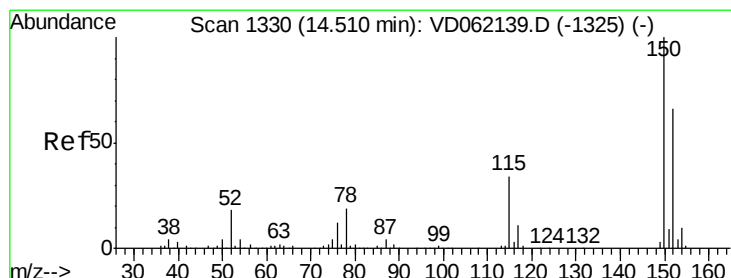
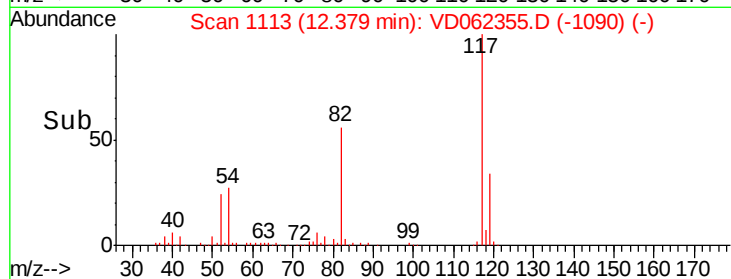
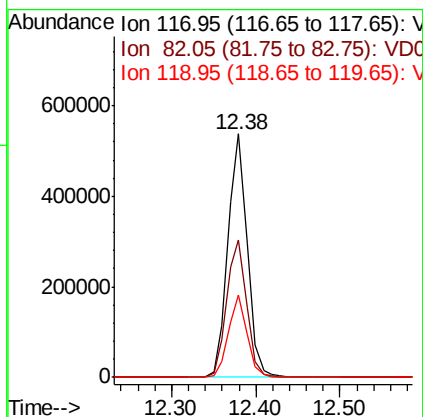
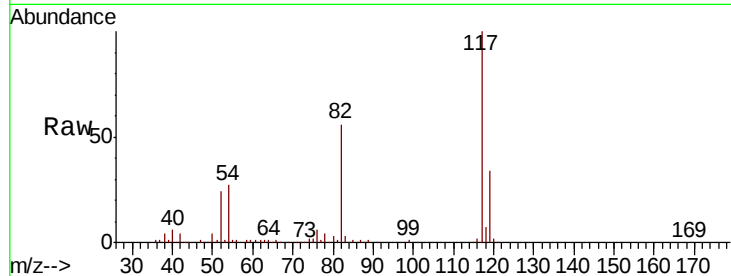




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VD062355.D  
Acq: 14 May 2019 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
P026-SS015-0206-01RE

Tgt Ion:117 Resp: 857813  
Ion Ratio Lower Upper  
117 100  
82 56.4 36.2 54.2#  
119 33.6 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD062355.D  
Acq: 14 May 2019 19:15

Tgt Ion:152 Resp: 444282  
Ion Ratio Lower Upper  
152 100  
115 59.6 30.9 92.7  
150 158.6 0.0 314.8

