

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\  
 Data File : VD062278.D  
 Acq On : 13 May 2019 1:27  
 Operator : FY/SY  
 Sample : K2719-04RE  
 Misc : 3.44g/5mL/MSVOA D/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P026-SS008-0206-02RE

Quant Time: May 13 03:46:29 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

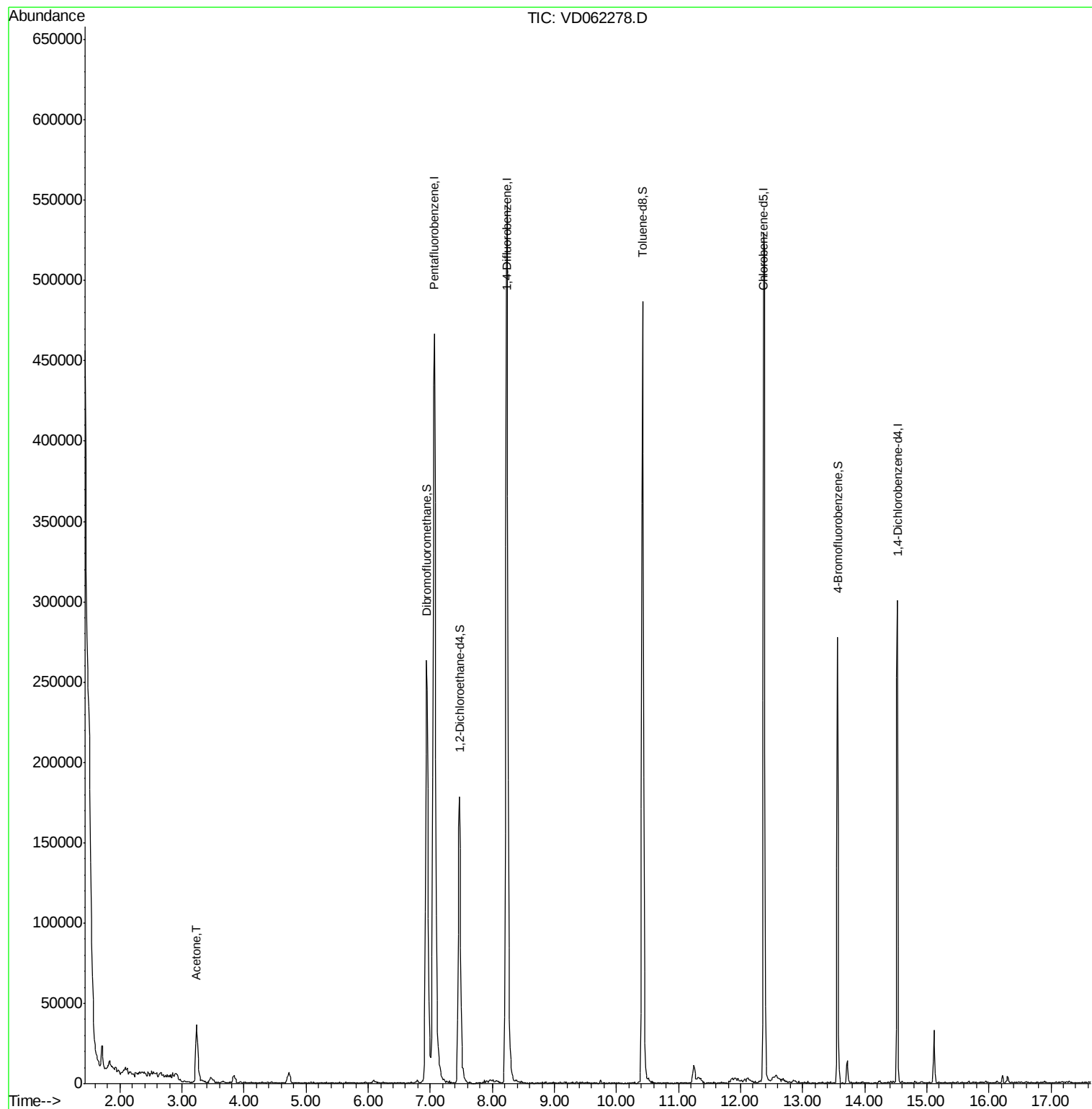
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.07  | 168  | 460304   | 50.00  | ug/l   | 0.05      |
| 34) 1,4-Difluorobenzene     | 8.24  | 114  | 587402   | 50.00  | ug/l   | 0.05      |
| 63) Chlorobenzene-d5        | 12.38 | 117  | 306784   | 50.00  | ug/l   | 0.03      |
| 72) 1,4-Dichlorobenzene-d4  | 14.53 | 152  | 66623    | 50.00  | ug/l   | 0.02      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 201913   | 47.20  | ug/l   | 0.05      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.40% |           |
| 35) Dibromofluoromethane    | 6.94  | 113  | 235179   | 48.25  | ug/l   | 0.05      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.50% |           |
| 50) Toluene-d8              | 10.42 | 98   | 388797   | 33.09  | ug/l   | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 66.18% |           |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 76062    | 16.12  | ug/l   | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 32.24% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 3.23  | 43   | 70827    | 78.954 | ug/l # | Qvalue 89 |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\  
Data File : VD062278.D  
Acq On : 13 May 2019 1:27  
Operator : FY/SY  
Sample : K2719-04RE  
Misc : 3.44g/5mL/MSVOA D/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P026-SS008-0206-02RE

Quant Time: May 13 03:46:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
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. 0.05 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

Instrument :

MSVOA\_D

ClientSampleId :

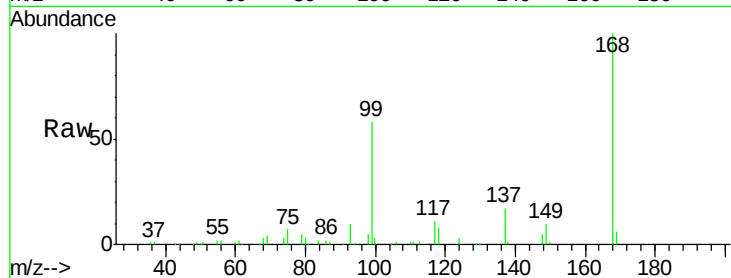
P026-SS008-0206-02RE

Tot Ion:168 Resp: 460304

Ion Ratio Lower Upper

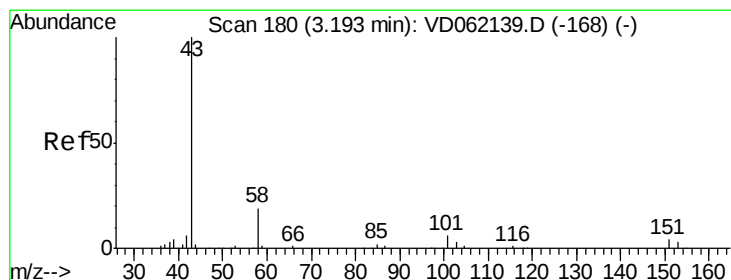
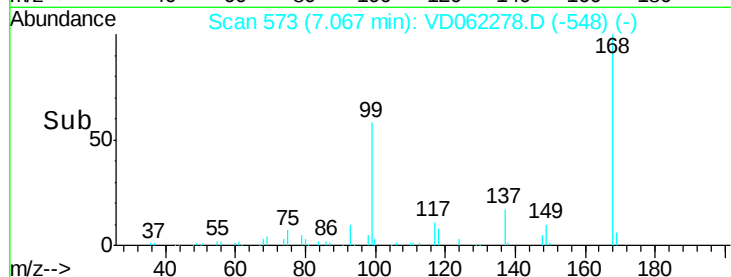
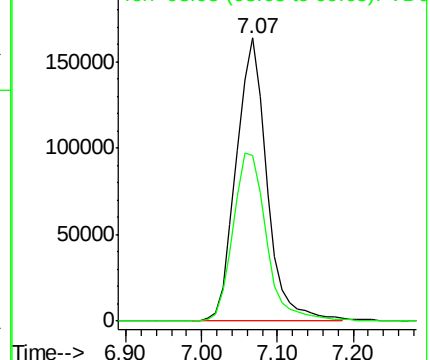
168 100

99 58.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 78.954 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD062278.D

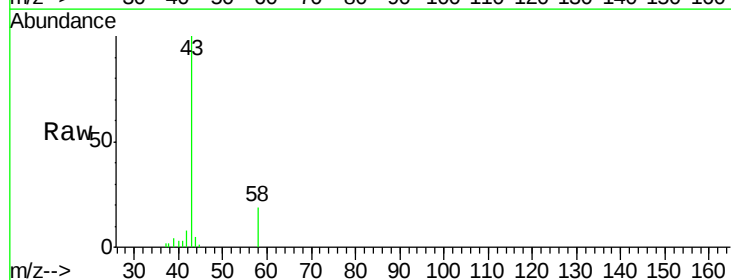
Acq: 13 May 2019 1:27

Tgt Ion: 43 Resp: 70827

Ion Ratio Lower Upper

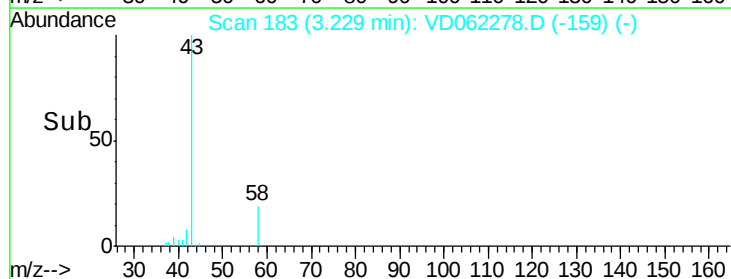
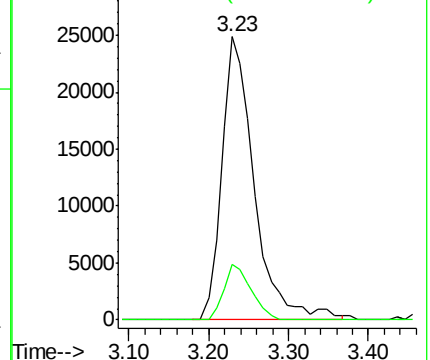
43 100

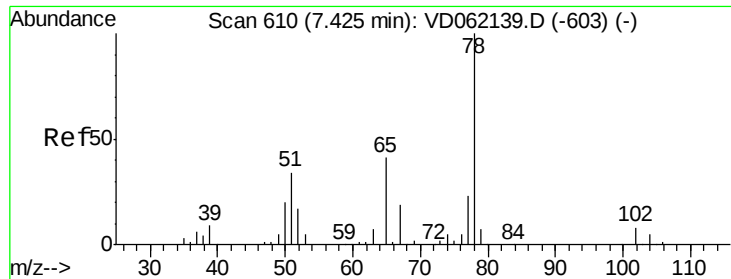
58 19.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.202 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.05 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

Instrument :

MSVOA\_D

ClientSampleId :

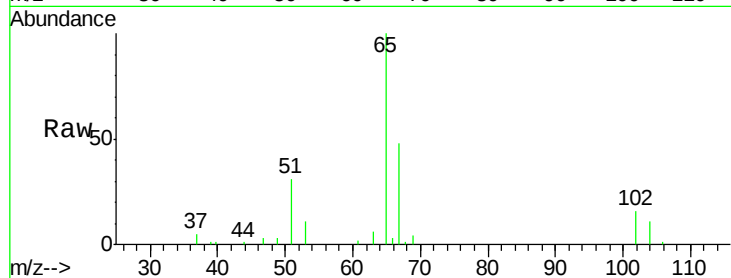
P026-SS008-0206-02RE

Tot Ion: 65 Resp: 201913

Ion Ratio Lower Upper

65 100

67 47.8 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

80000

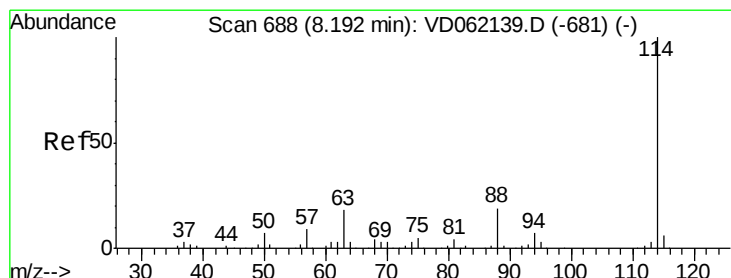
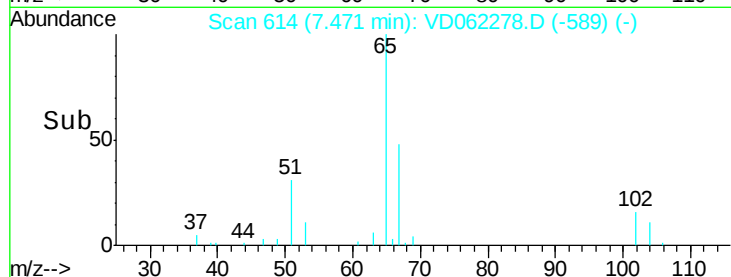
60000

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. 0.05 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

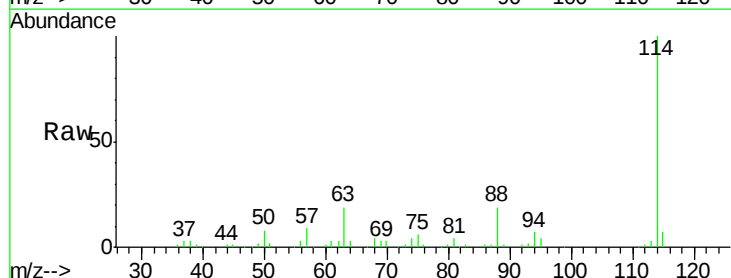
Tgt Ion: 114 Resp: 587402

Ion Ratio Lower Upper

114 100

63 19.1 0.0 32.4

88 18.8 0.0 33.6



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

8.24

300000

250000

200000

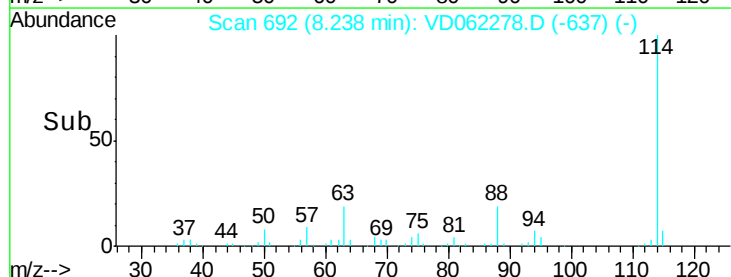
150000

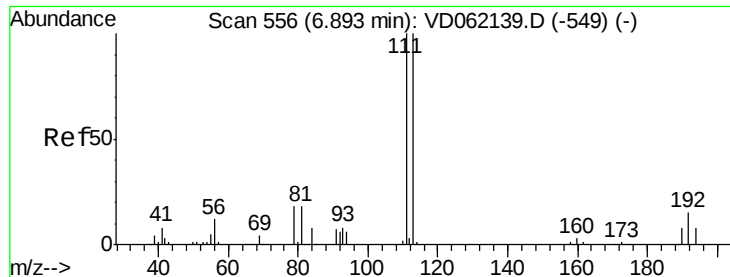
100000

50000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 48.254 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.05 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

Instrument :

MSVOA\_D

ClientSampleId :

P026-SS008-0206-02RE

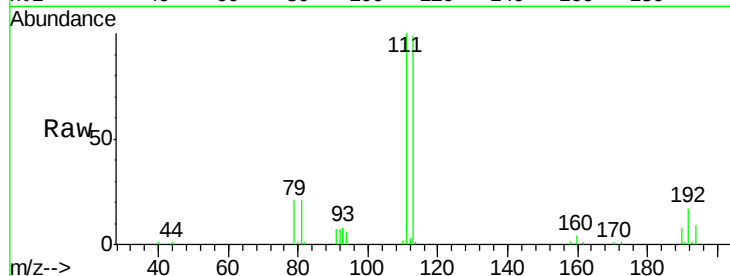
Tot Ion:113 Resp: 235179

Ion Ratio Lower Upper

113 100

111 101.0 78.5 117.7

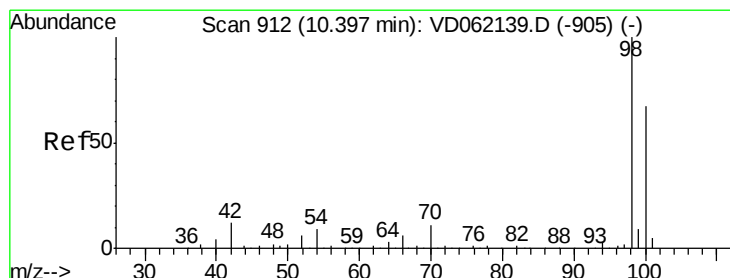
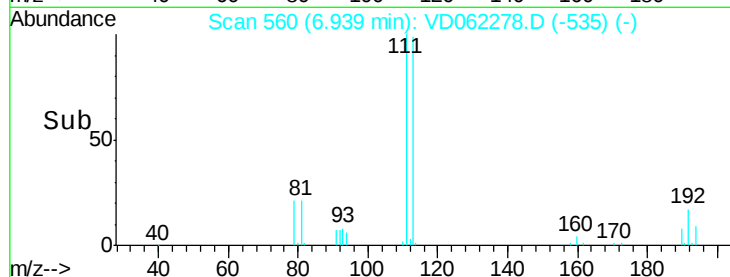
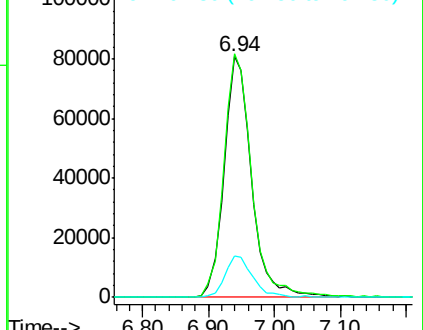
192 17.4 13.0 19.4



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: 33.086 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062278.D

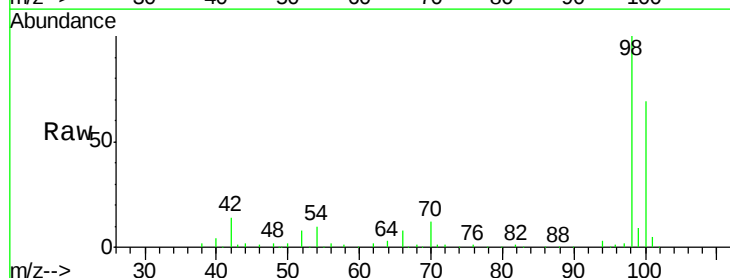
Acq: 13 May 2019 1:27

Tgt Ion: 98 Resp: 388797

Ion Ratio Lower Upper

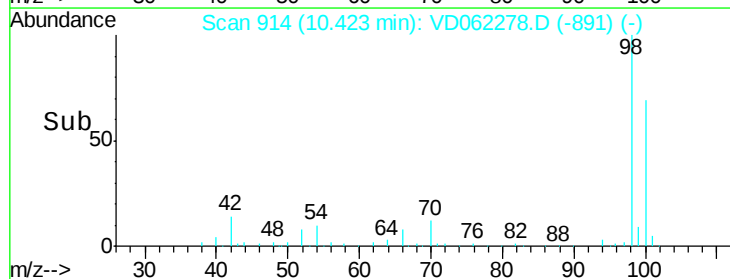
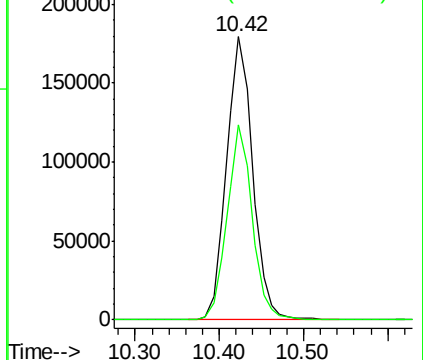
98 100

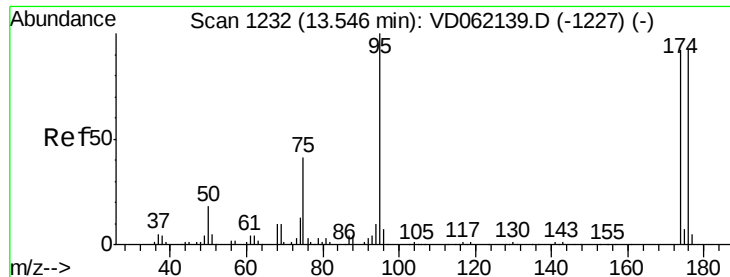
100 69.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 16.119 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

Instrument :

MSVOA\_D

ClientSampleId :

P026-SS008-0206-02RE

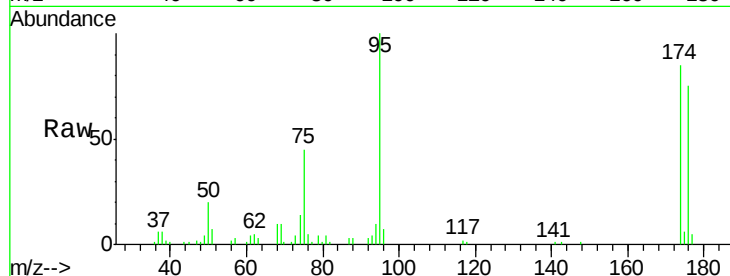
Tot Ion: 95 Resp: 76062

Ion Ratio Lower Upper

95 100

174 84.5 0.0 181.8

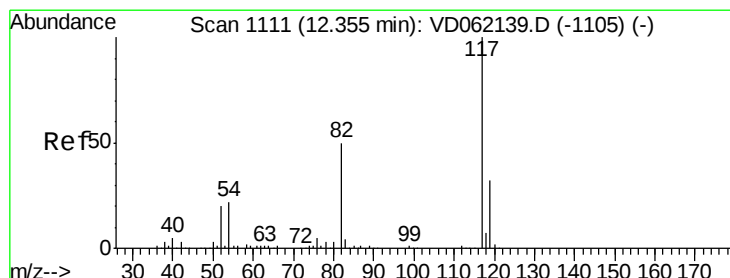
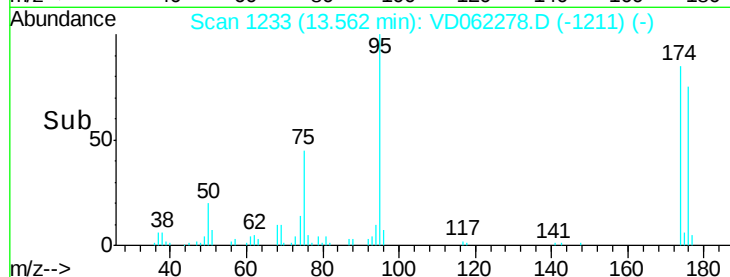
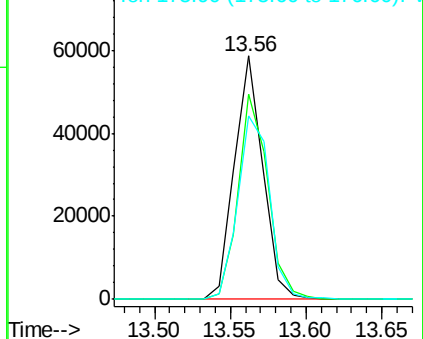
176 75.2 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

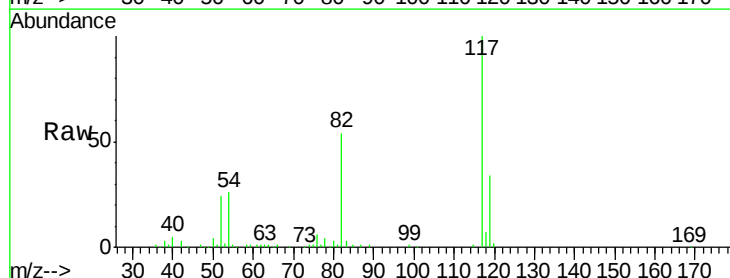
Tgt Ion: 117 Resp: 306784

Ion Ratio Lower Upper

117 100

82 54.3 36.2 54.2#

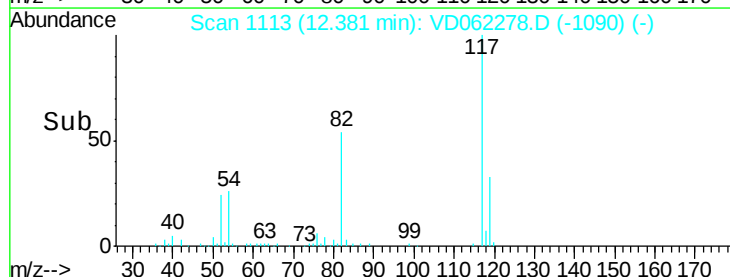
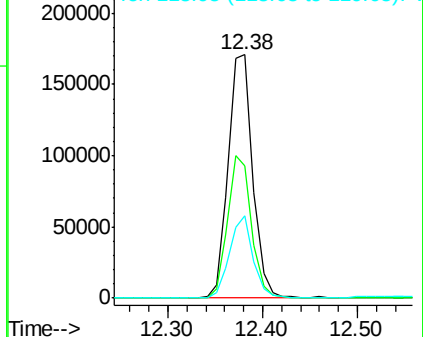
119 33.9 26.2 39.4

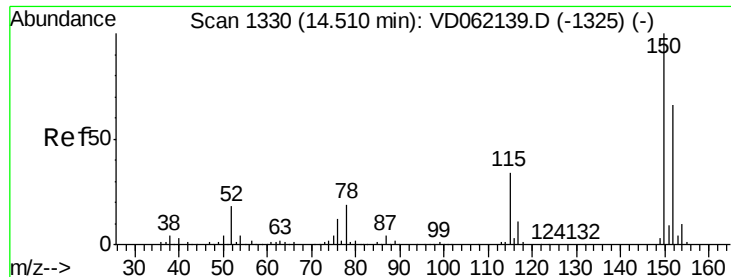


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062278.D

Acq: 13 May 2019 1:27

Instrument :

MSVOA\_D

ClientSampleId :

P026-SS008-0206-02RE

Tot Ion:152 Resp: 66623

Ion Ratio Lower Upper

152 100

115 60.1 30.9 92.7

150 151.7 0.0 314.8

