

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
 Data File : VD061878.D  
 Acq On : 18 Apr 2019 17:03  
 Operator : VA/AP  
 Sample : K2397-14RE  
 Misc : 3.14g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3-D2RE

Quant Time: Apr 18 17:28:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 13:49:04 2019  
 Response via : Initial Calibration

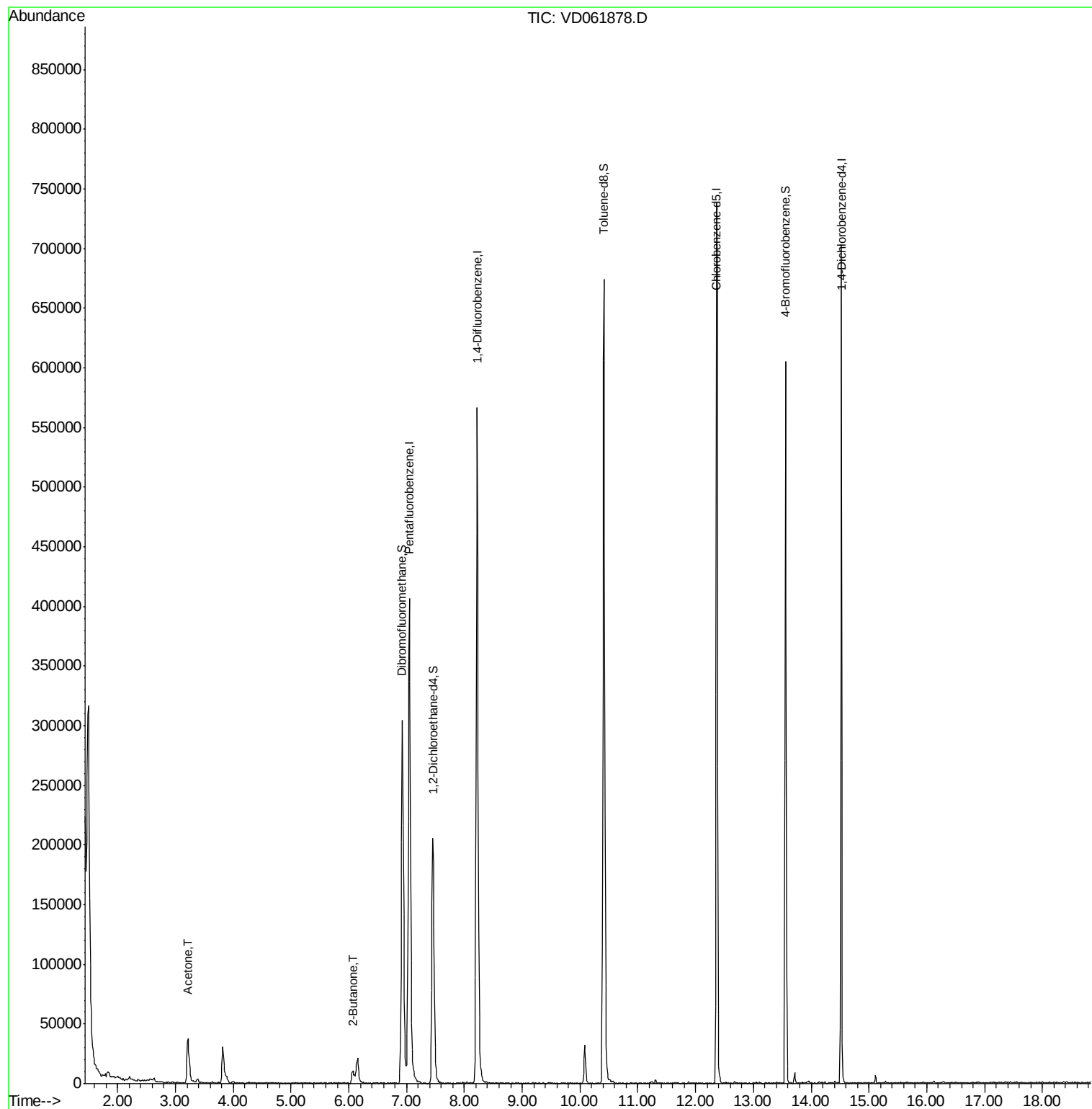
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 396203   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 663580   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 470466   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 153079   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 208381   | 62.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 125.50% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 286436   | 57.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.26% |          |
| 50) Toluene-d8              | 10.42 | 98   | 596140   | 50.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.38% |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 186688   | 38.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.54%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 74260    | 90.739 | ug/l    | 98       |
| 25) 2-Butanone              | 6.07  | 43   | 24179    | 25.951 | ug/l    | 92       |

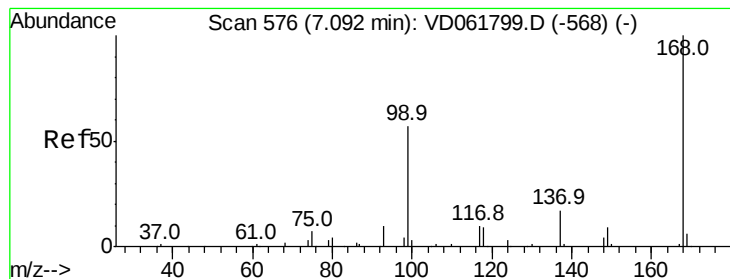
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
Data File : VD061878.D  
Acq On : 18 Apr 2019 17:03  
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Sample : K2397-14RE  
Misc : 3.14g/5ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-3-D2RE

Quant Time: Apr 18 17:28:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 18 13:49:04 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA\_D

ClientSampleId :

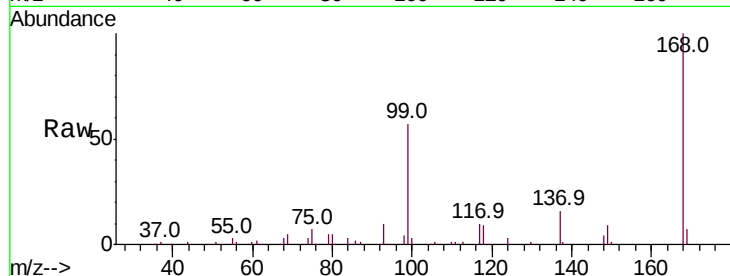
TP-3-D2RE

Tot Ion:168 Resp: 396203

Ion Ratio Lower Upper

168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

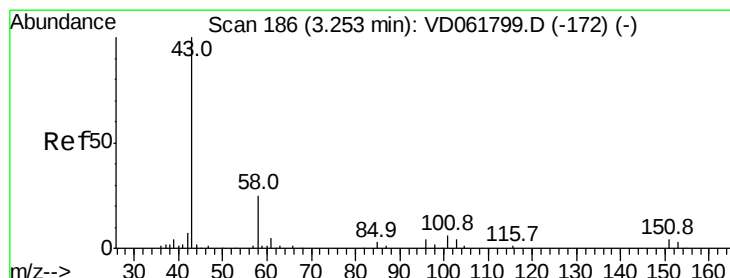
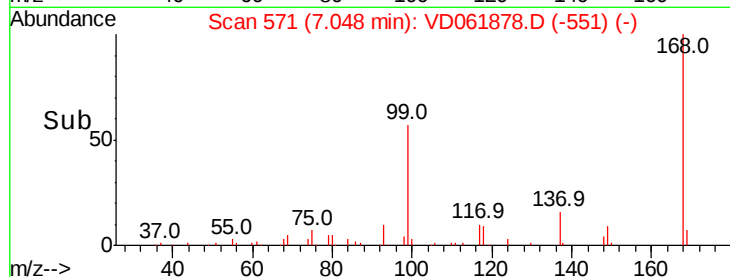
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#16

Acetone

Concen: 90.739 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061878.D

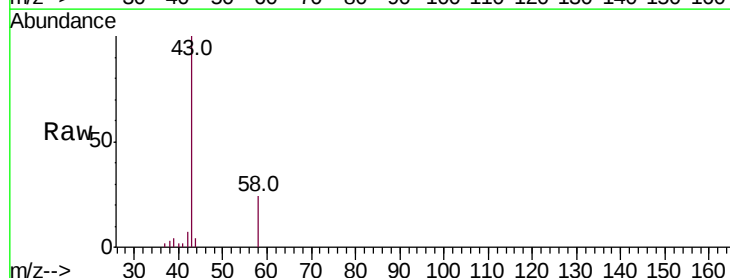
Acq: 18 Apr 2019 17:03

Tgt Ion: 43 Resp: 74260

Ion Ratio Lower Upper

43 100

58 24.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

30000

25000

20000

15000

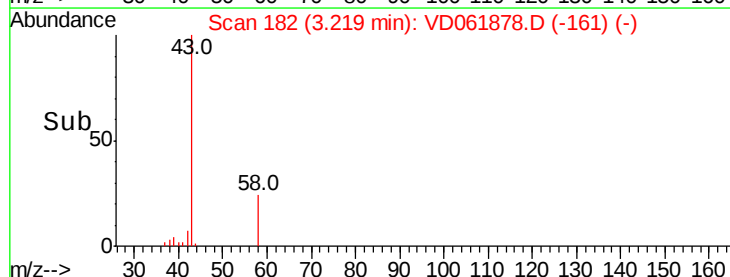
10000

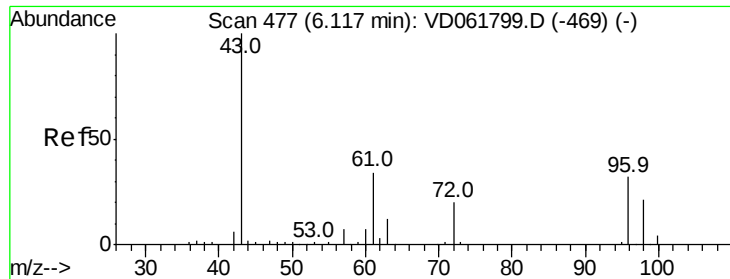
5000

0

Time-->

3.10 3.20 3.30 3.40





#25

2-Butanone

Concen: 25.951 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA\_D

ClientSampleId :

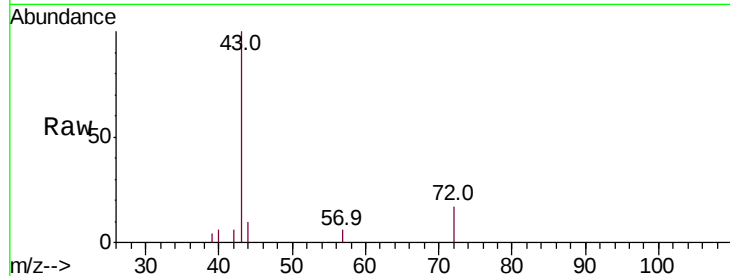
TP-3-D2RE

Tot Ion: 43 Resp: 24179

Ion Ratio Lower Upper

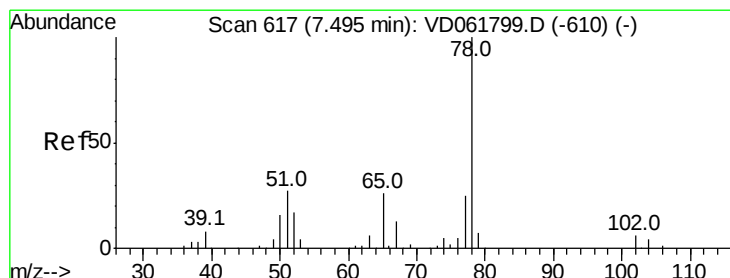
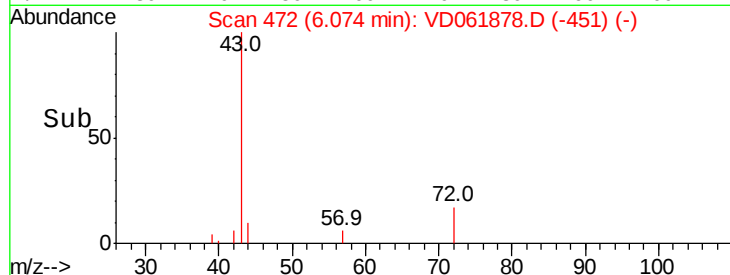
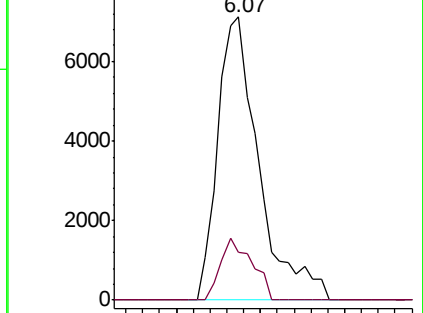
43 100

72 16.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061878.D

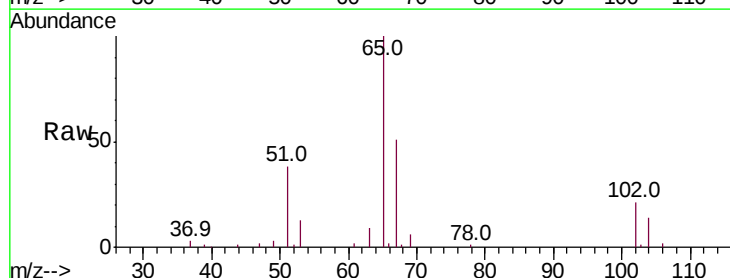
Acq: 18 Apr 2019 17:03

Tgt Ion: 65 Resp: 208381

Ion Ratio Lower Upper

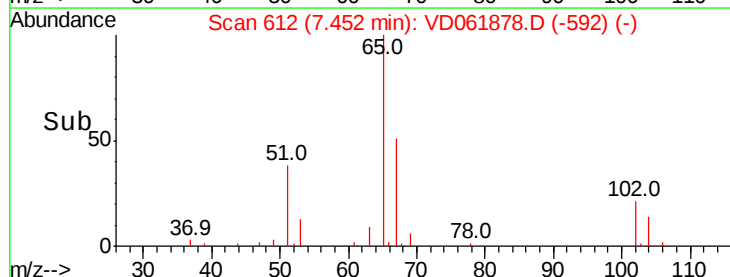
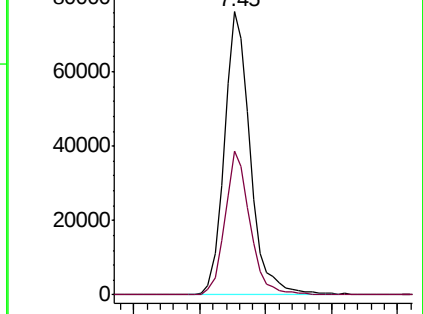
65 100

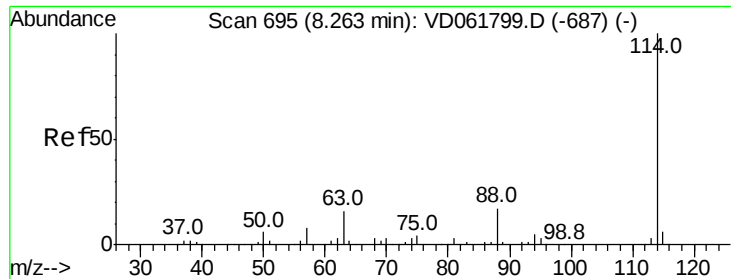
67 50.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



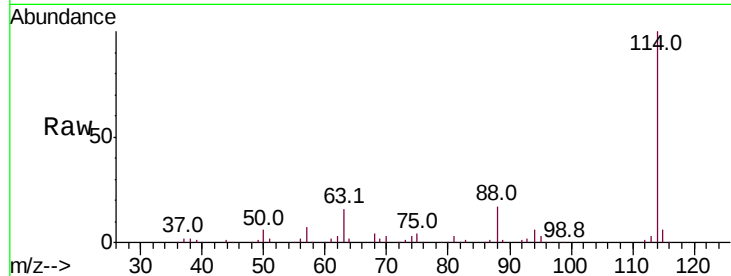


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. -0.00 min  
 Lab File: VD061878.D  
 Acq: 18 Apr 2019 17:03

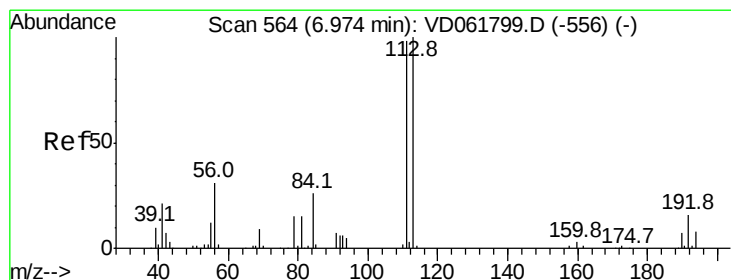
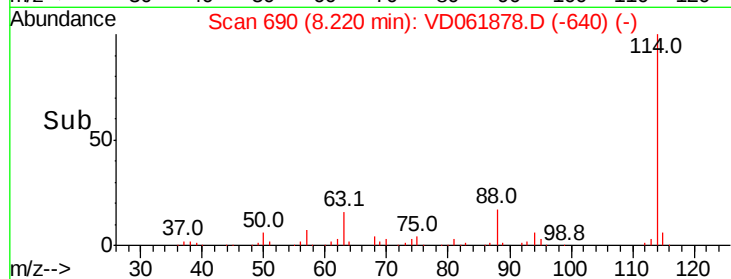
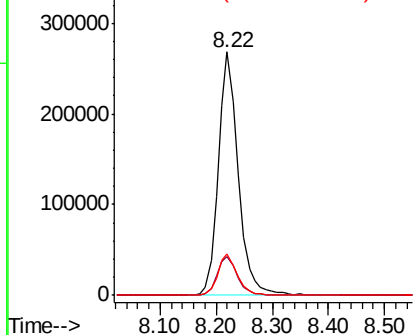
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3-D2RE

Tot Ion:114 Resp: 663580  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 15.8  | 0.0   | 32.4  |
| 88  | 17.2  | 0.0   | 33.6  |



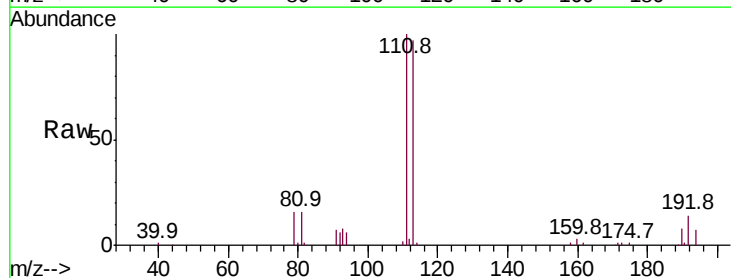
Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): VDC  
 Ion 87.90 (87.60 to 88.60): VDC



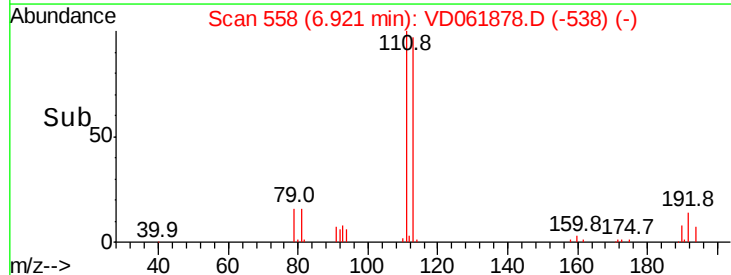
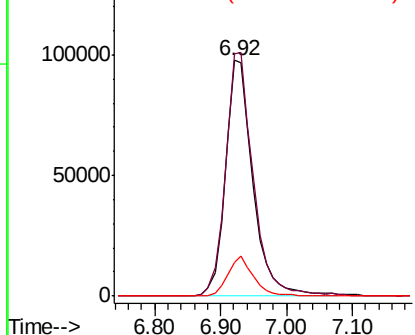
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. -0.00 min  
 Lab File: VD061878.D  
 Acq: 18 Apr 2019 17:03

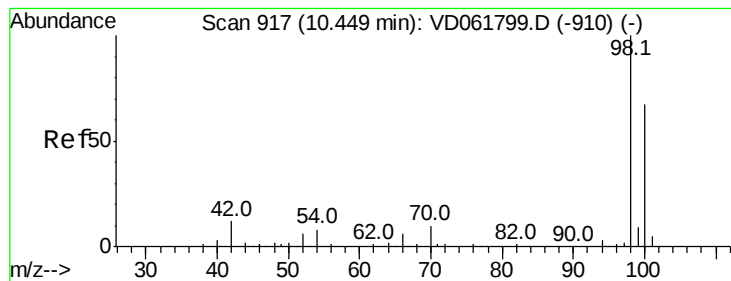
Tgt Ion:113 Resp: 286436  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.6 | 78.5  | 117.7 |
| 192 | 14.5  | 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: N.D. ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA\_D

ClientSampleId :

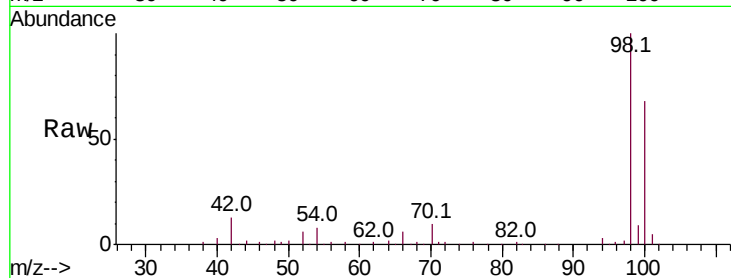
TP-3-D2RE

Tot Ion: 98 Resp: 596140

Ion Ratio Lower Upper

98 100

100 67.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)

Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

10.42

250000

200000

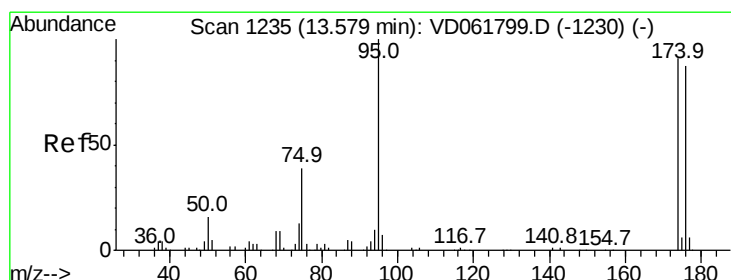
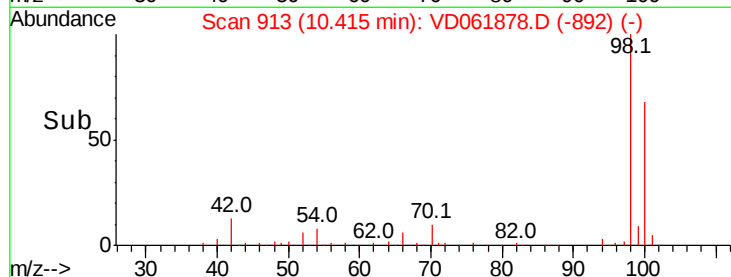
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

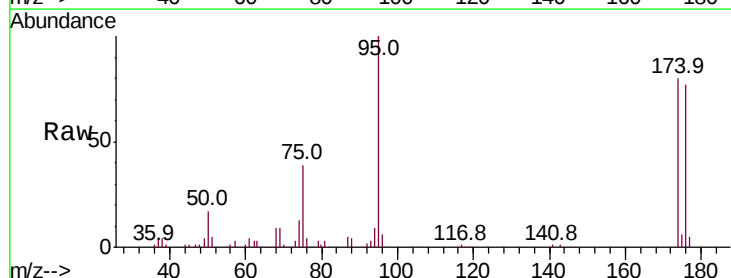
Tgt Ion: 95 Resp: 186688

Ion Ratio Lower Upper

95 100

174 80.0 0.0 181.8

176 76.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)

Ion 173.90 (173.60 to 174.60): VD061799.D (-1230) (-)

Ion 175.90 (175.60 to 176.60): VD061799.D (-1230) (-)

13.56

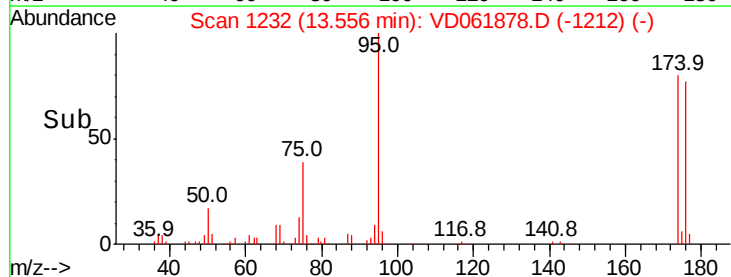
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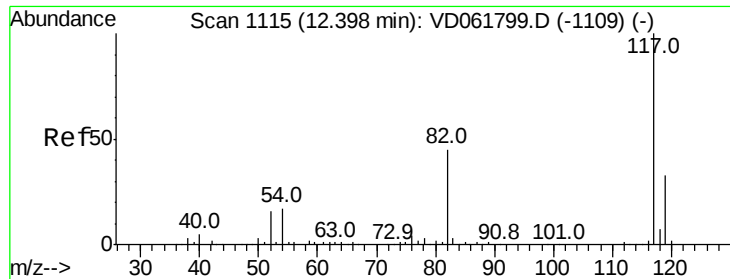
100000

50000

0

Time-->

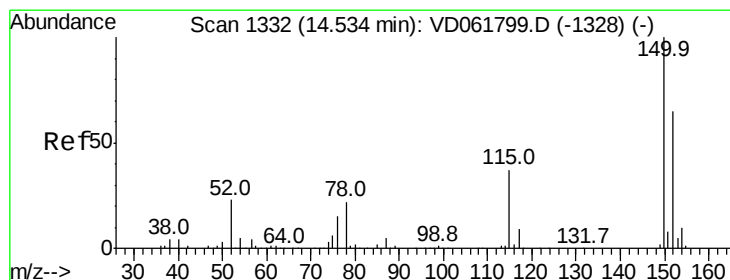
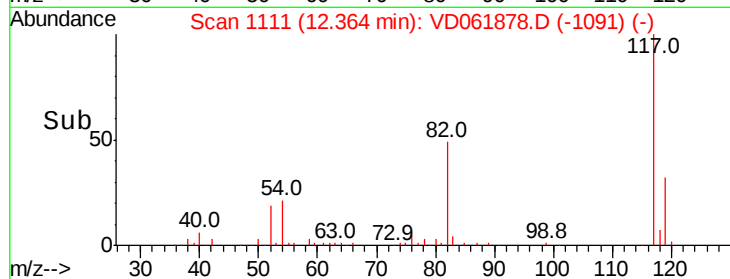
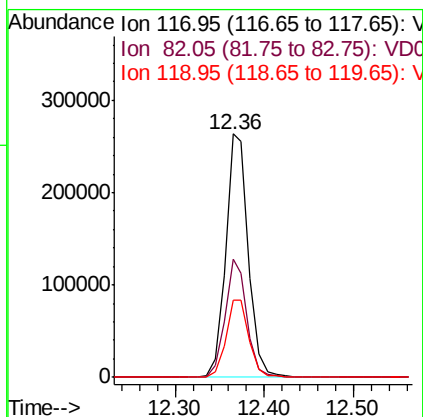
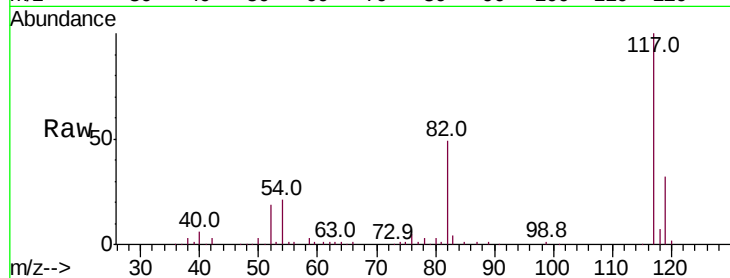




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.36 min Scan# 1111  
 Delta R.T. -0.00 min  
 Lab File: VD061878.D  
 Acq: 18 Apr 2019 17:03

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3-D2RE

Tot Ion:117 Resp: 470466  
 Ion Ratio Lower Upper  
 117 100  
 82 48.7 36.2 54.2  
 119 31.6 26.2 39.4



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1330  
 Delta R.T. -0.00 min  
 Lab File: VD061878.D  
 Acq: 18 Apr 2019 17:03

Tgt Ion:152 Resp: 153079  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 30.9 92.7  
 150 156.2 0.0 314.8

