

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\  
 Data File : VD063280.D  
 Acq On : 31 Jul 2019 15:48  
 Operator : VA/AP  
 Sample : K4107-04  
 Misc : 5.04g/5ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 T-2A

Quant Time: Aug 01 04:33:09 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

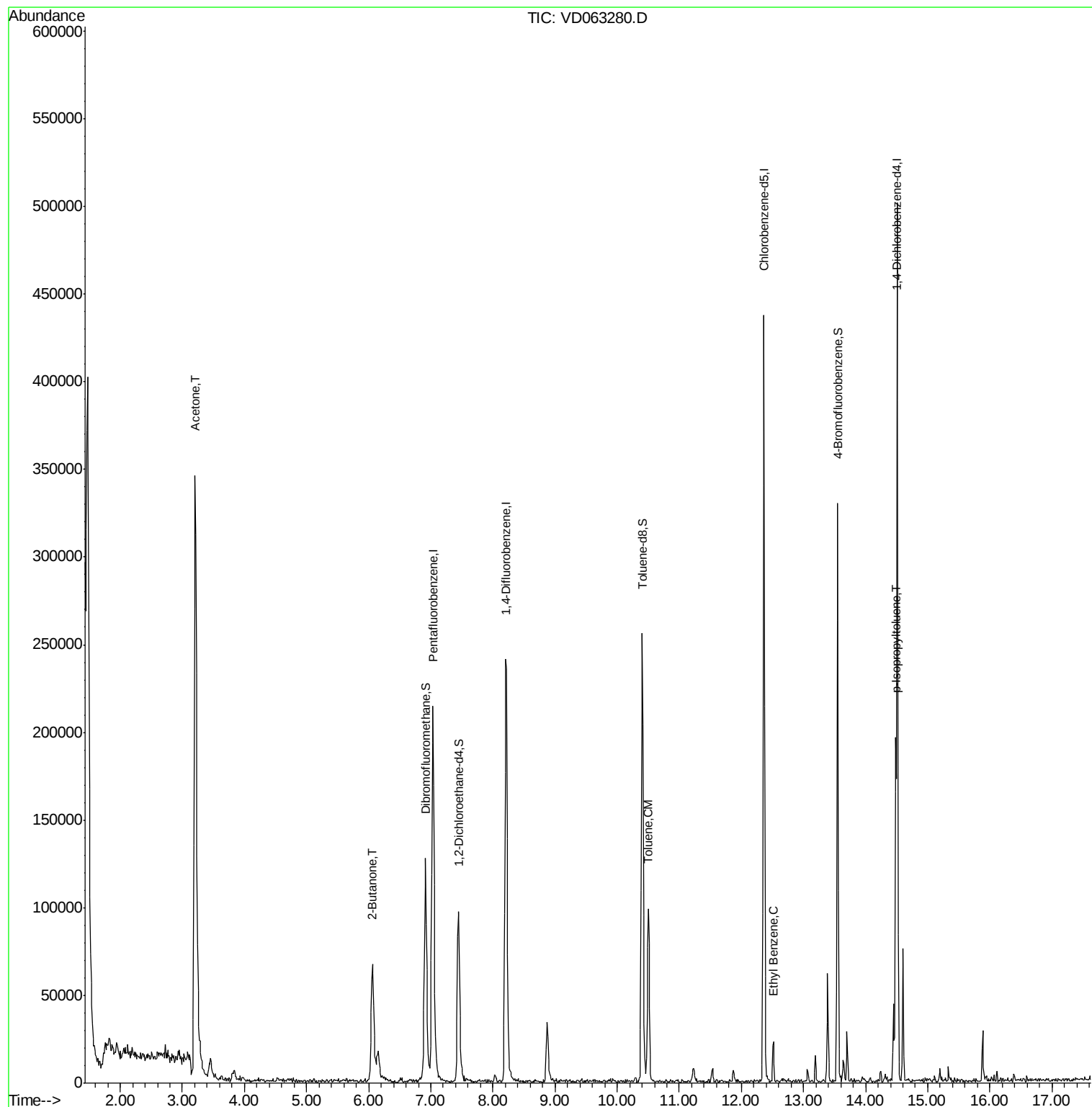
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|----------|---------|----------|
| 1) Pentafluorobenzene       | 7.04  | 168  | 197229   | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 265760   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 227349   | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 107509   | 50.00    | ug/l    | -0.01    |
| System Monitoring Compounds |       |      |          |          |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 111599   | 50.99    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 101.98% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 104983   | 46.27    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 92.54%  |          |
| 50) Toluene-d8              | 10.40 | 98   | 203795   | 40.13    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 80.26%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 88479    | 38.24    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 76.48%  |          |
| Target Compounds            |       |      |          |          |         |          |
| 16) Acetone                 | 3.21  | 43   | 707668   | 1659.656 | ug/l    | 98       |
| 25) 2-Butanone              | 6.06  | 43   | 145589   | 340.222  | ug/l    | 94       |
| 52) Toluene                 | 10.50 | 92   | 49880    | 14.754   | ug/l    | 76       |
| 67) Ethyl Benzene           | 12.52 | 91   | 14172    | 1.908    | ug/l #  | 84       |
| 86) p-Isopropyltoluene      | 14.49 | 119  | 87567    | 13.104   | ug/l    | 96       |

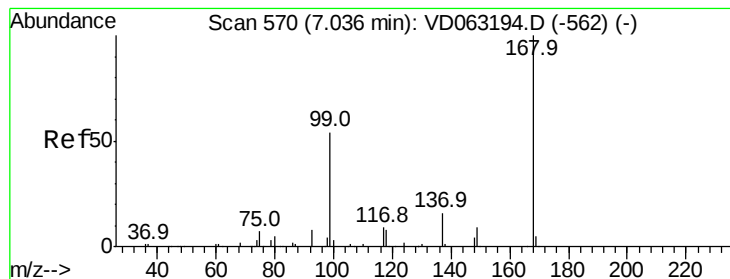
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\  
Data File : VD063280.D  
Acq On : 31 Jul 2019 15:48  
Operator : VA/AP  
Sample : K4107-04  
Misc : 5.04g/5ml/MSVOA D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
T-2A

Quant Time: Aug 01 04:33:09 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. -0.00 min

Lab File: VD063280.D

Acq: 31 Jul 2019 15:48

Instrument :

MSVOA\_D

ClientSampleId :

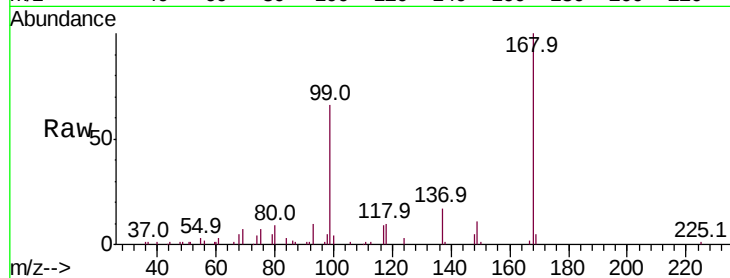
T-2A

Tot Ion:168 Resp: 197229

Ion Ratio Lower Upper

168 100

99 66.2 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

60000

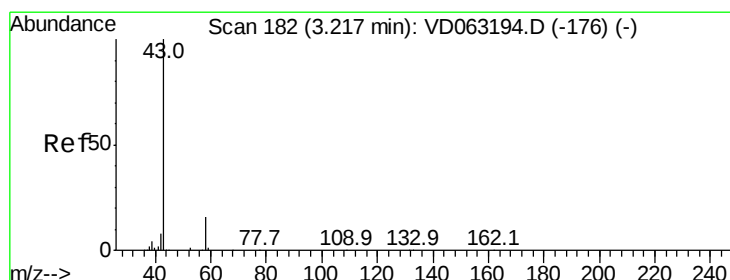
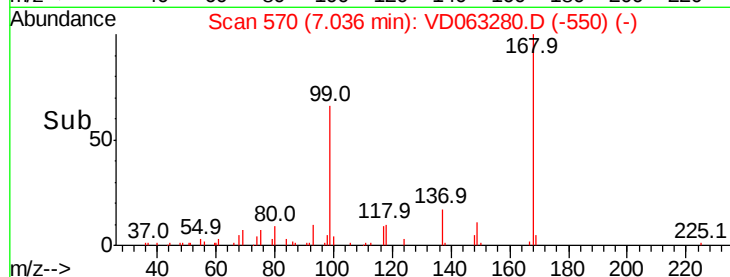
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 1659.656 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063280.D

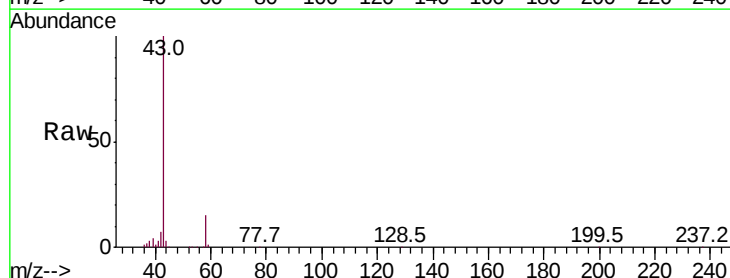
Acq: 31 Jul 2019 15:48

Tgt Ion: 43 Resp: 707668

Ion Ratio Lower Upper

43 100

58 15.4 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

250000

200000

150000

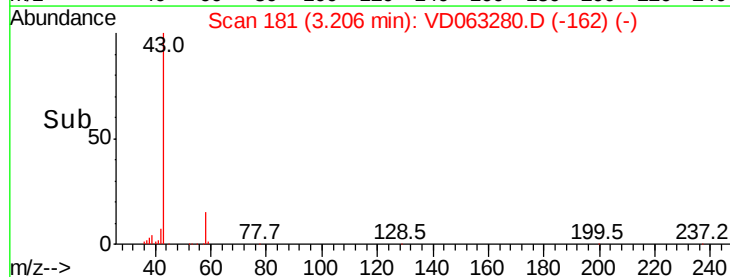
100000

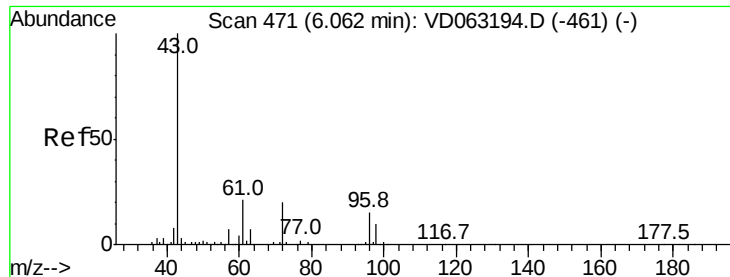
50000

0

Time-->

3.10 3.20 3.30 3.40





#25

2-Butanone

Concen: 340.222 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063280.D

Acq: 31 Jul 2019 15:48

Instrument :

MSVOA\_D

ClientSampleId :

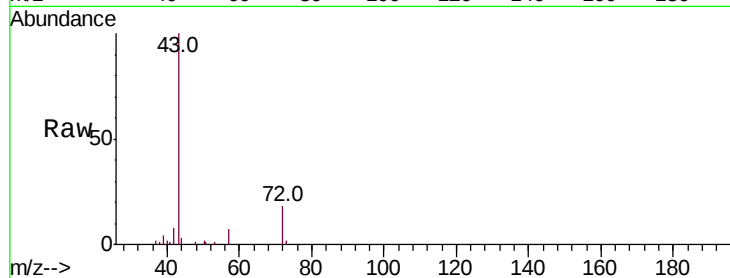
T-2A

Tot Ion: 43 Resp: 145589

Ion Ratio Lower Upper

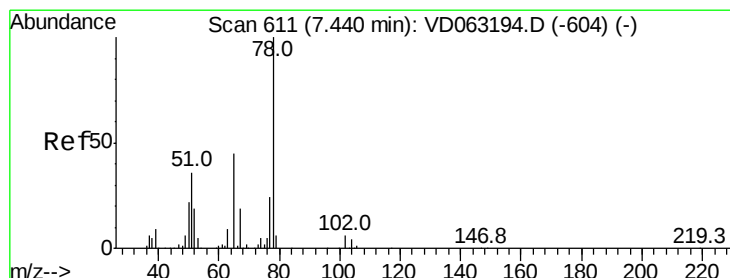
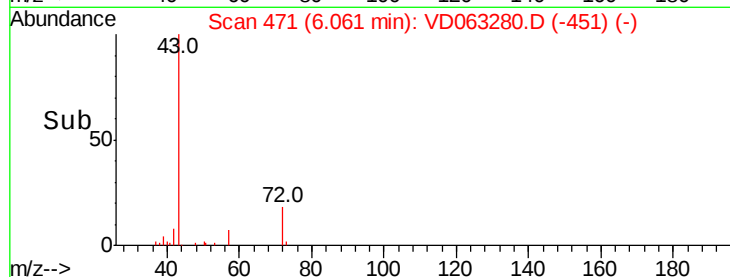
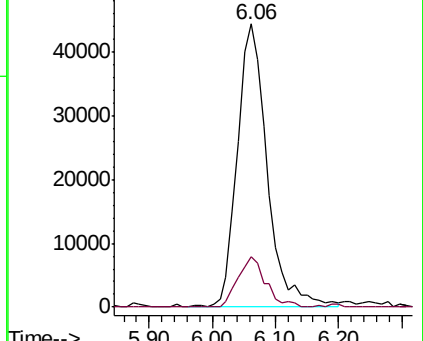
43 100

72 17.7 16.3 24.5



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: 50.995 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063280.D

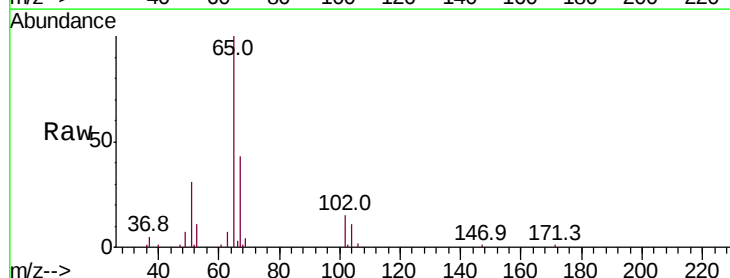
Acq: 31 Jul 2019 15:48

Tgt Ion: 65 Resp: 111599

Ion Ratio Lower Upper

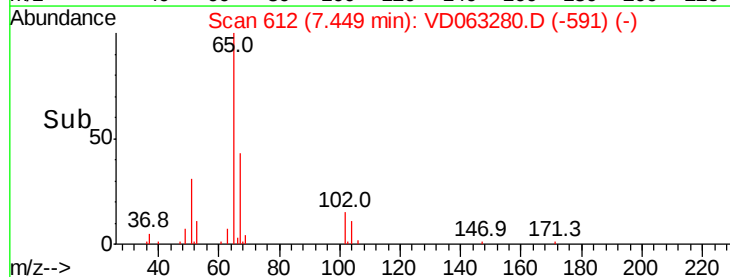
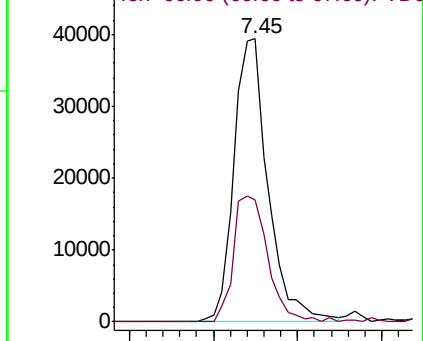
65 100

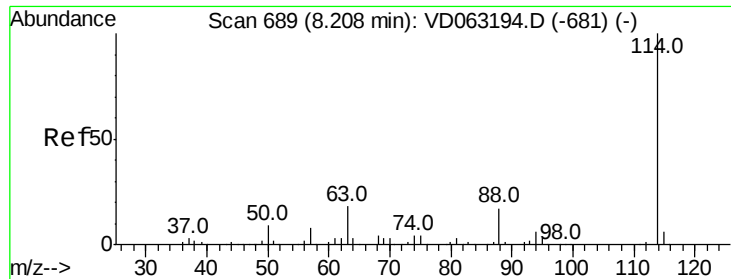
67 43.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

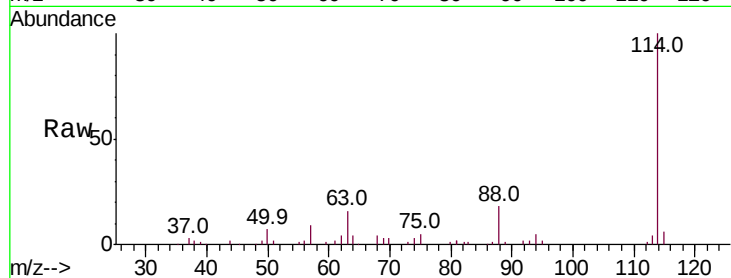




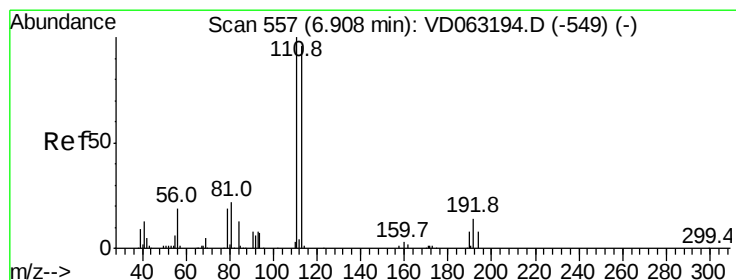
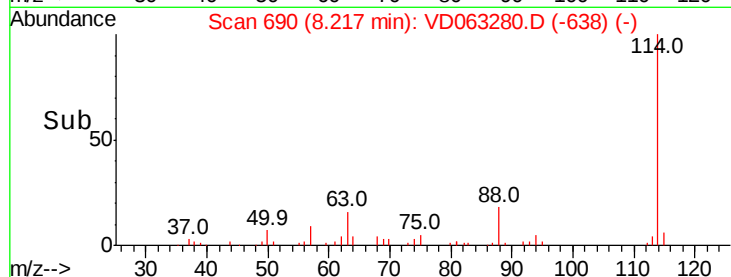
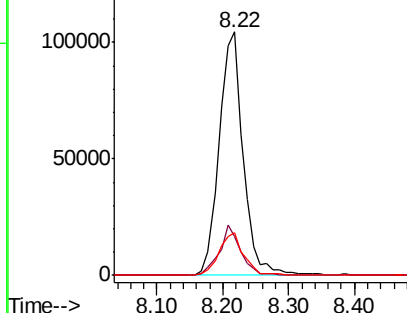
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.01 min  
 Lab File: VD063280.D  
 Acq: 31 Jul 2019 15:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 T-2A

Tot Ion:114 Resp: 265760  
 Ion Ratio Lower Upper  
 114 100  
 63 15.8 0.0 35.2  
 88 17.8 0.0 34.6

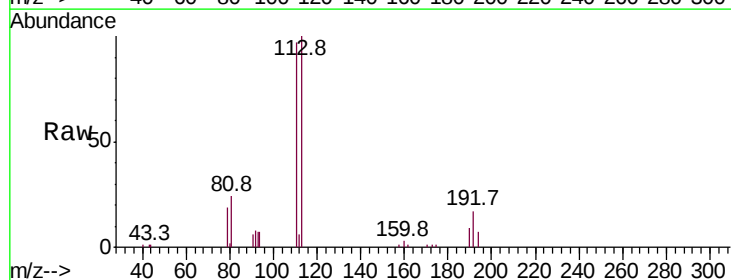


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

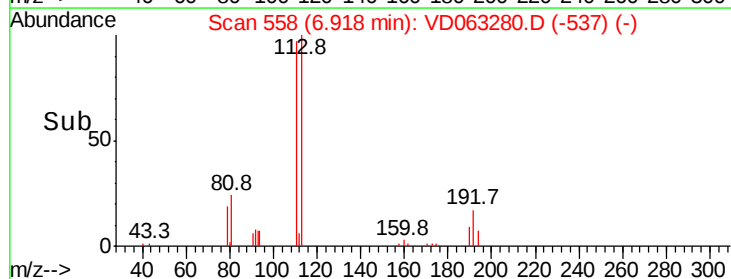
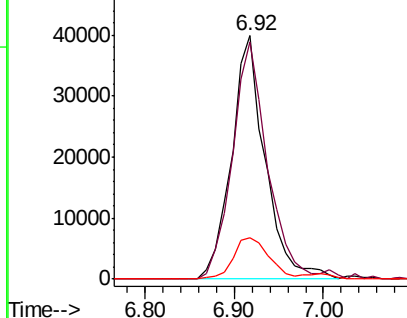


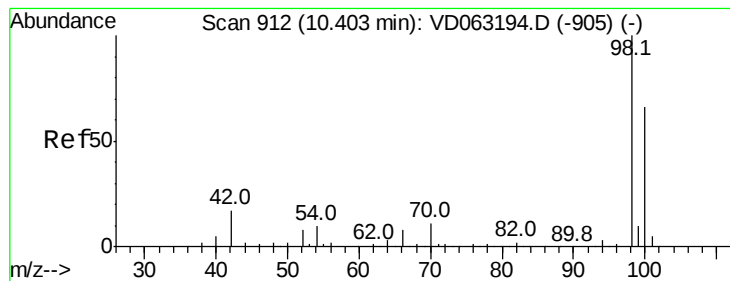
#35  
 Dibromofluoromethane  
 Concen: 46.268 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD063280.D  
 Acq: 31 Jul 2019 15:48

Tgt Ion:113 Resp: 104983  
 Ion Ratio Lower Upper  
 113 100  
 111 97.3 83.2 124.8  
 192 17.1 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: 40.132 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063280.D

Acq: 31 Jul 2019 15:48

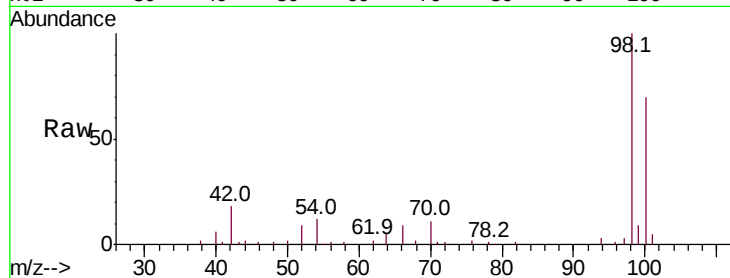
Instrument :  
MSVOA\_D  
ClientSampleId :  
T-2A

Tot Ion: 98 Resp: 203795

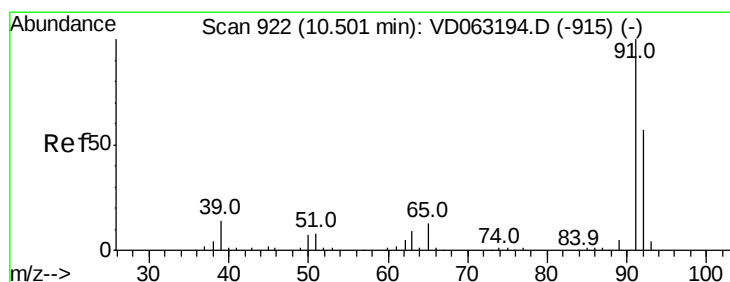
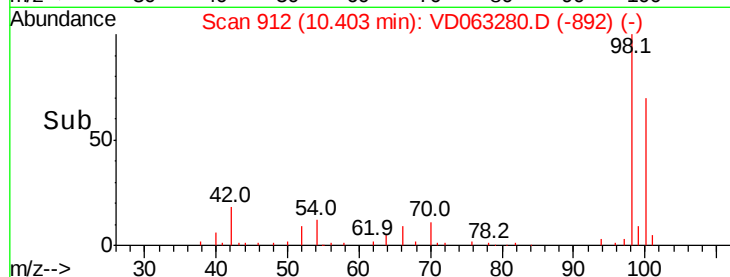
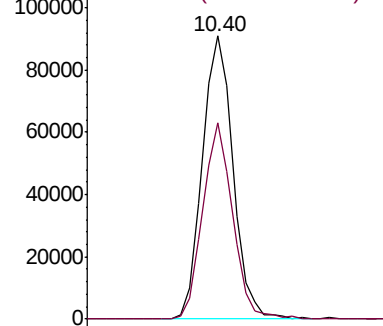
Ion Ratio Lower Upper

98 100

100 69.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 14.754 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063280.D

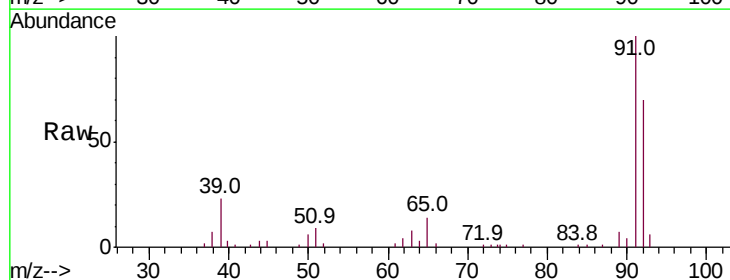
Acq: 31 Jul 2019 15:48

Tgt Ion: 92 Resp: 49880

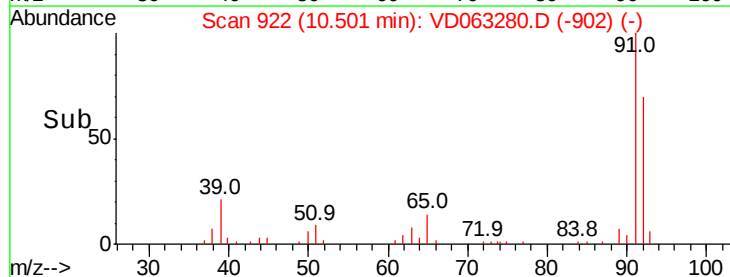
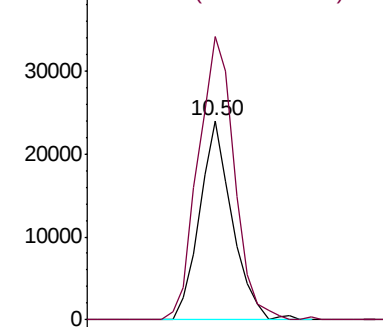
Ion Ratio Lower Upper

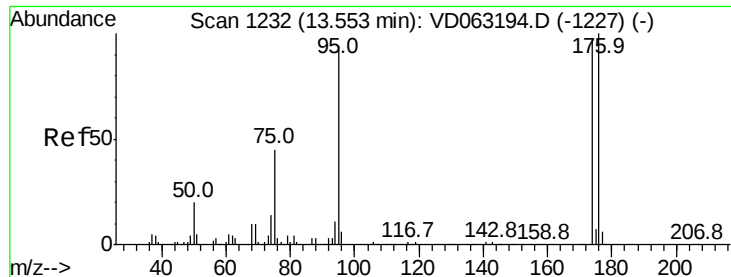
92 100

91 142.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC  
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 38.236 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063280.D

Acq: 31 Jul 2019 15:48

Instrument :

MSVOA\_D

ClientSampleId :

T-2A

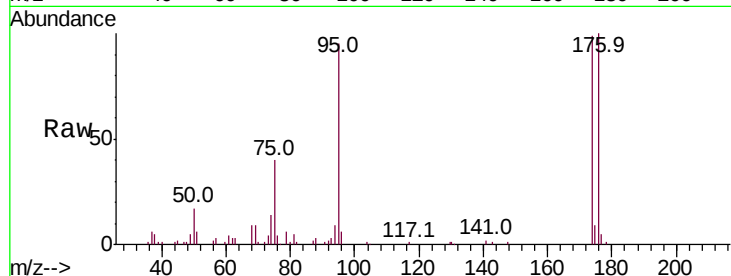
Tot Ion: 95 Resp: 88479

Ion Ratio Lower Upper

95 100

174 104.3 0.0 205.4

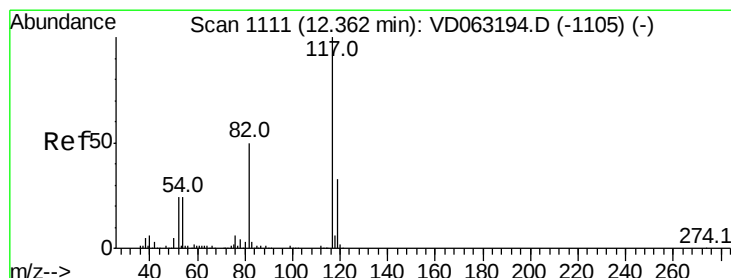
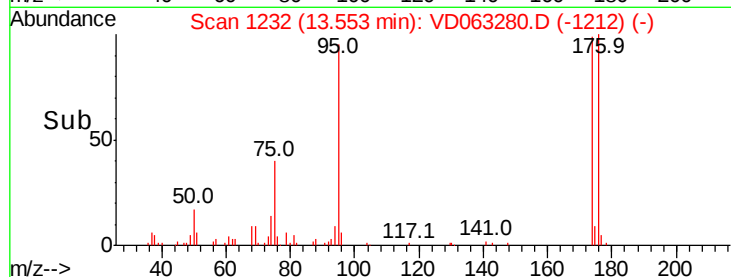
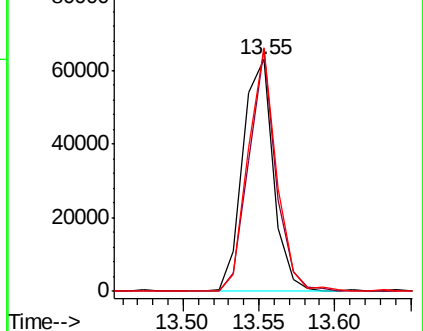
176 105.0 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063280.D

Acq: 31 Jul 2019 15:48

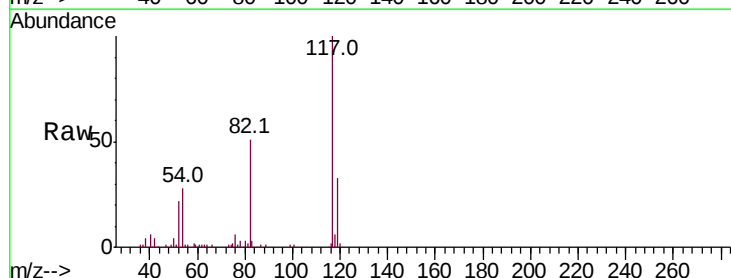
Tgt Ion: 117 Resp: 227349

Ion Ratio Lower Upper

117 100

82 51.4 40.1 60.1

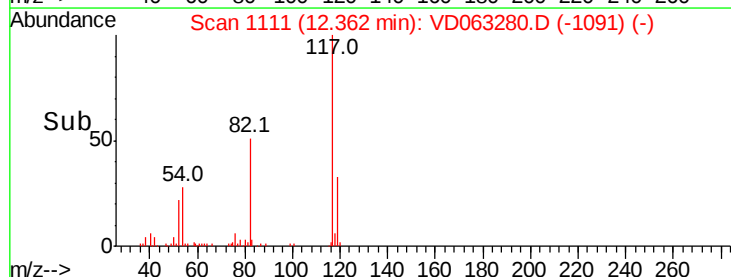
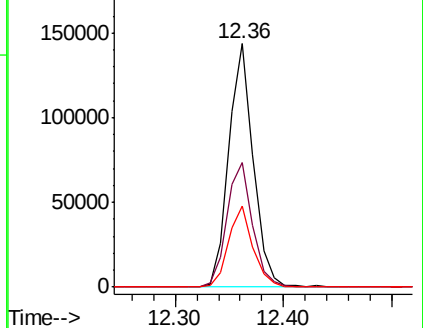
119 33.3 26.5 39.7

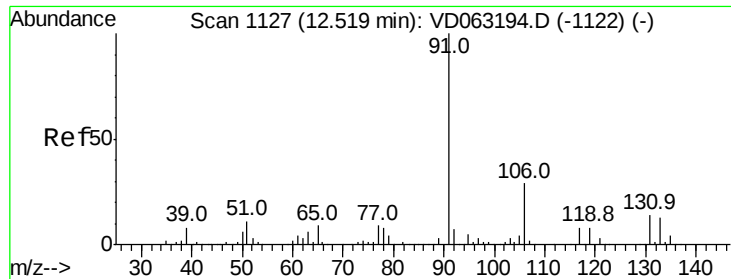


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

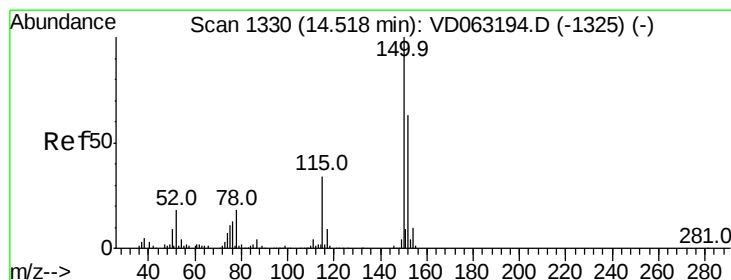
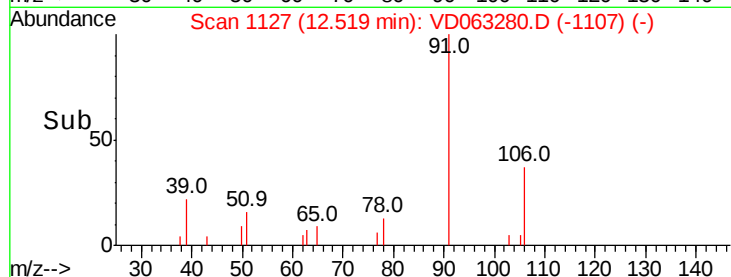
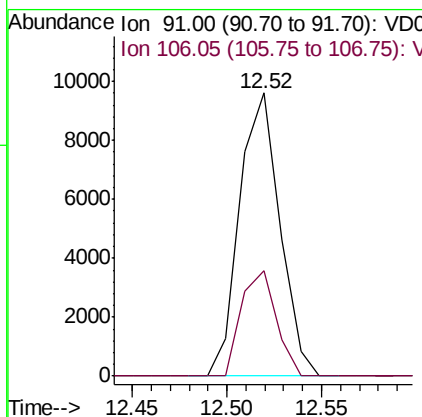
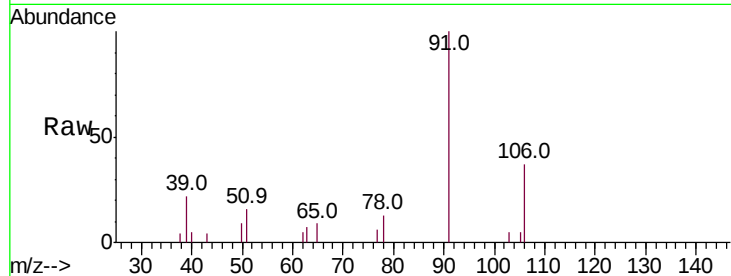




#67  
Ethyl Benzene  
Concen: 1.908 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: VD063280.D  
Acq: 31 Jul 2019 15:48

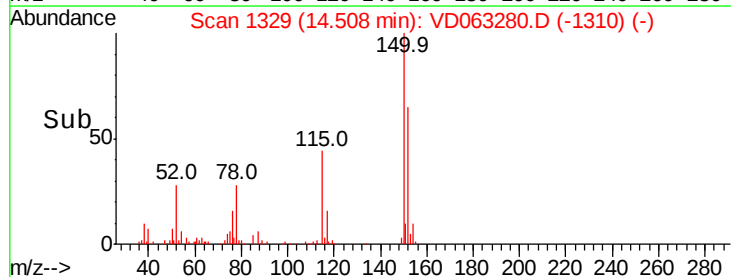
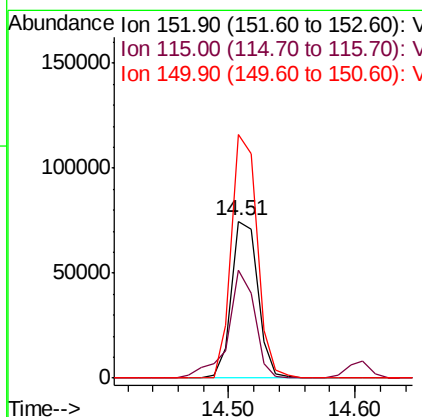
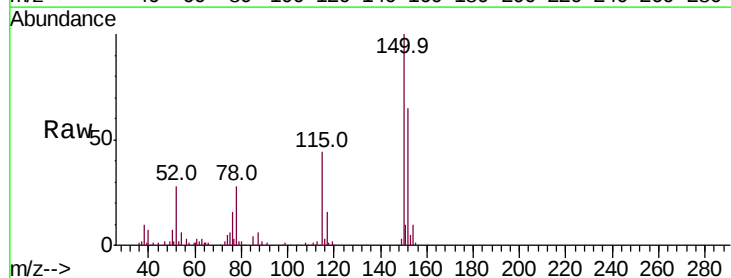
Instrument :  
MSVOA\_D  
ClientSampled :  
T-2A

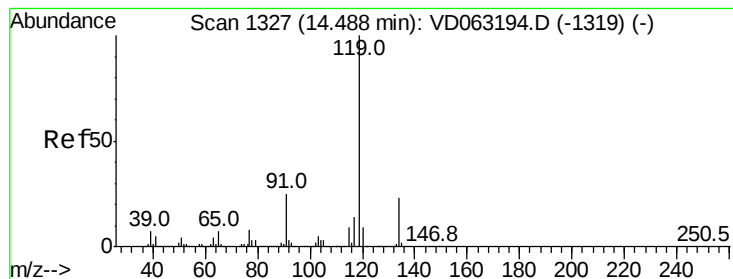
Tot Ion: 91 Resp: 14172  
Ion Ratio Lower Upper  
91 100  
106 37.3 22.9 34.3#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD063280.D  
Acq: 31 Jul 2019 15:48

Tgt Ion: 152 Resp: 107509  
Ion Ratio Lower Upper  
152 100  
115 68.3 27.5 82.4  
150 154.9 0.0 320.6





#86

p-Isopropyltoluene

Concen: 13.104 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063280.D

Acq: 31 Jul 2019 15:48

Instrument :

MSVOA\_D

ClientSampleId :

T-2A

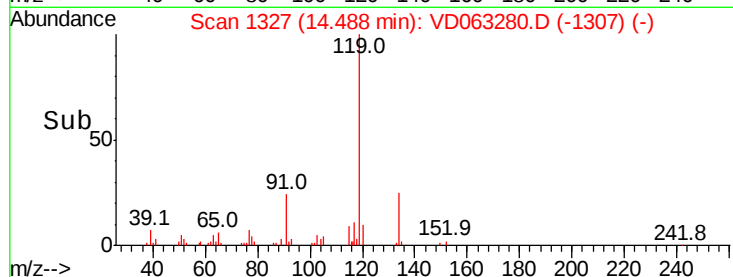
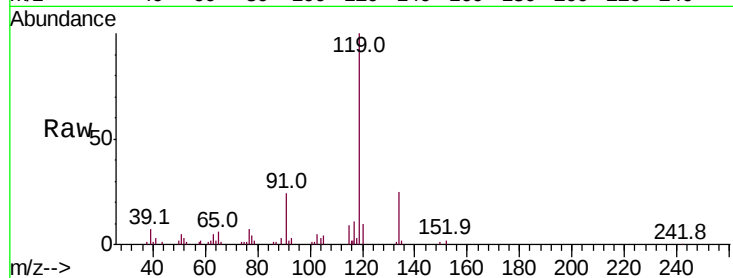
Tot Ion:119 Resp: 87567

Ion Ratio Lower Upper

119 100

134 25.4 11.5 34.5

91 23.6 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

