

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\  
 Data File : VD061828.D  
 Acq On : 17 Apr 2019 1:52  
 Operator : VA/AP  
 Sample : K2390-01  
 Misc : 6.26g/5ml/MSVOA D/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 3425

Quant Time: Apr 17 03:54:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 08:53:01 2019  
 Response via : Initial Calibration

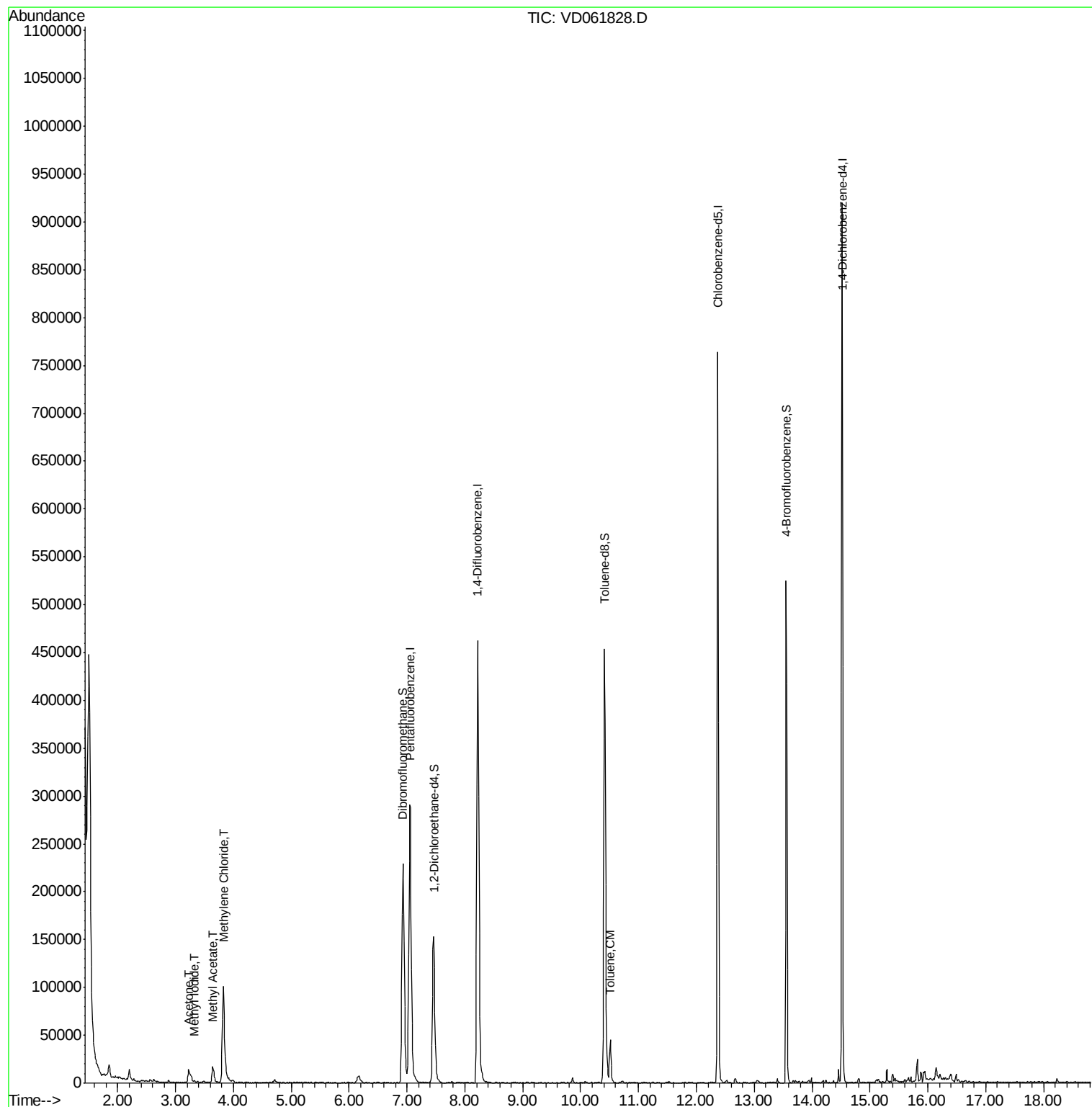
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 315525   | 50.00  | ug/l    | -0.04    |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 577616   | 50.00  | ug/l    | -0.05    |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 484934   | 50.00  | ug/l    | -0.03    |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 197814   | 50.00  | ug/l    | -0.02    |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 154177   | 58.30  | ug/l    | -0.04    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.60% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 221026   | 50.65  | ug/l    | -0.05    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.30% |          |
| 50) Toluene-d8              | 10.41 | 98   | 415161   | 40.15  | ug/l    | -0.04    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.30%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 162669   | 38.81  | ug/l    | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.62%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 10) Methyl Iodide           | 3.32  | 142  | 2417     | 3.914  | ug/l #  | 74       |
| 16) Acetone                 | 3.23  | 43   | 24829    | 38.096 | ug/l    | 97       |
| 18) Methyl Acetate          | 3.64  | 43   | 31281    | 23.946 | ug/l #  | 90       |
| 20) Methylene Chloride      | 3.83  | 84   | 78650    | 21.680 | ug/l    | 97       |
| 52) Toluene                 | 10.51 | 92   | 24262    | 3.341  | ug/l    | 85       |

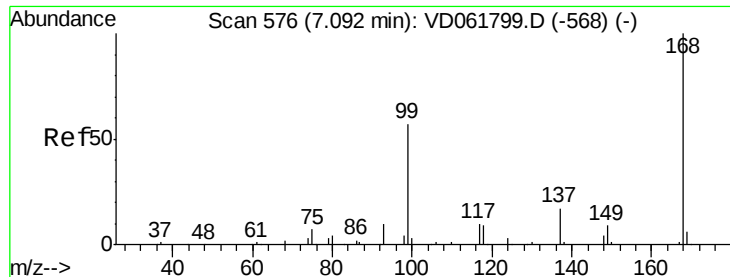
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041619\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 16 08:53:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061828.D

Acq: 17 Apr 2019 1:52

Instrument :

MSVOA\_D

ClientSampleId :

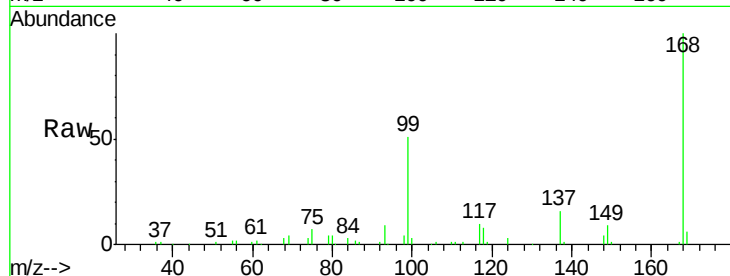
3425

Tot Ion:168 Resp: 315525

Ion Ratio Lower Upper

168 100

99 51.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

120000

100000

80000

60000

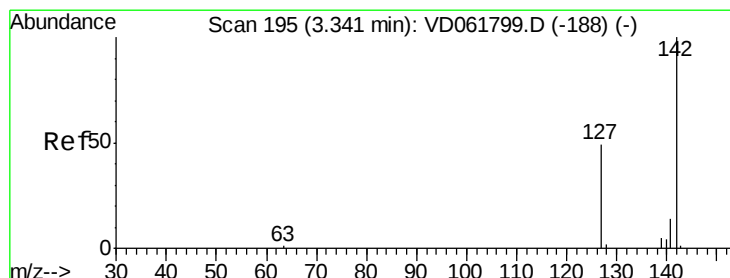
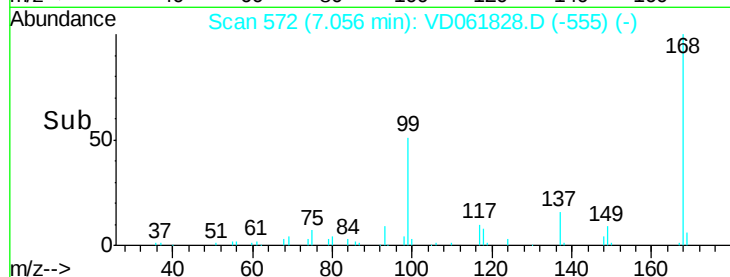
40000

20000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#10

Methyl Iodide

Concen: 3.914 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.03 min

Lab File: VD061828.D

Acq: 17 Apr 2019 1:52

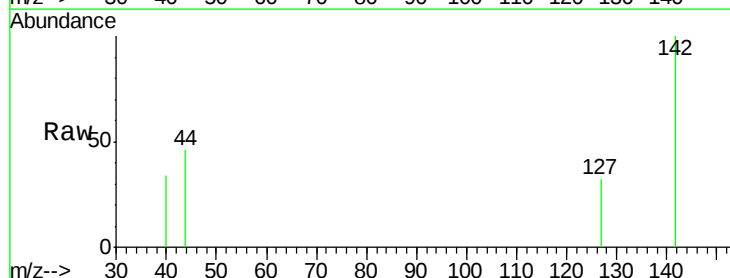
Tgt Ion:142 Resp: 2417

Ion Ratio Lower Upper

142 100

127 32.2 38.8 58.2#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

1500

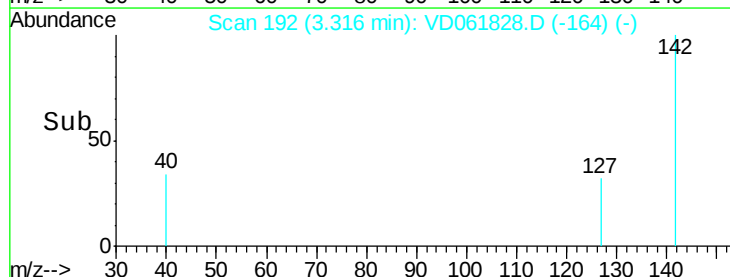
1000

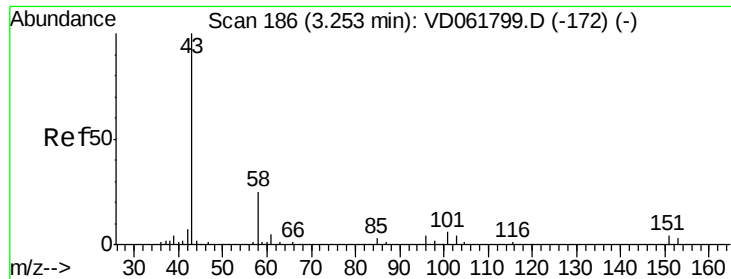
500

0

3.25 3.30 3.35

Time-->





#16

Acetone

Concen: 38.096 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061828.D

Acq: 17 Apr 2019 1:52

Instrument :

MSVOA\_D

ClientSampleId :

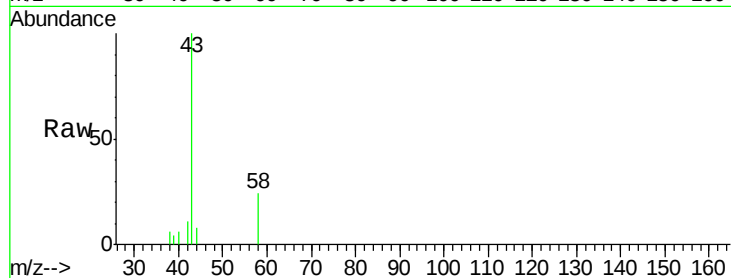
3425

Tot Ion: 43 Resp: 24829

Ion Ratio Lower Upper

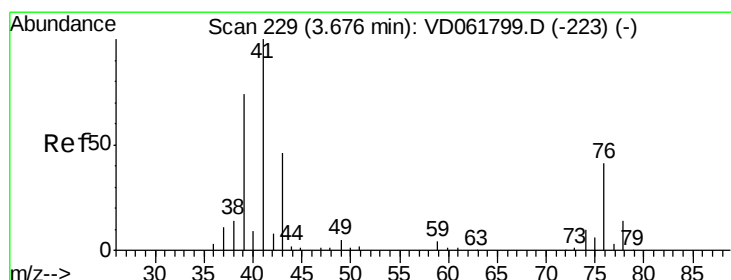
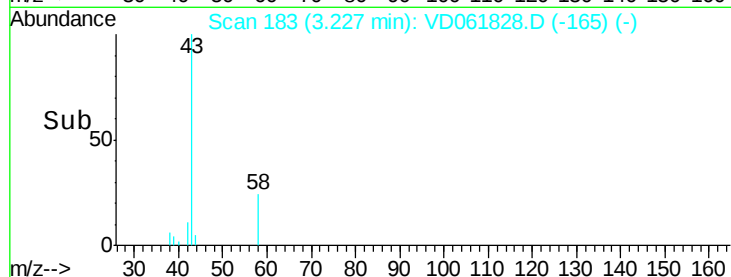
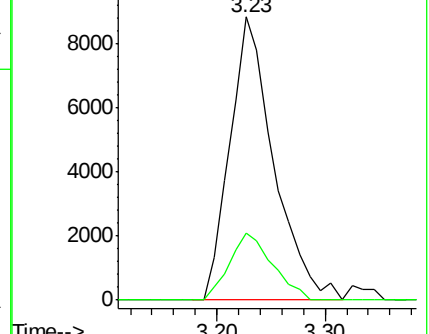
43 100

58 23.5 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 23.946 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.04 min

Lab File: VD061828.D

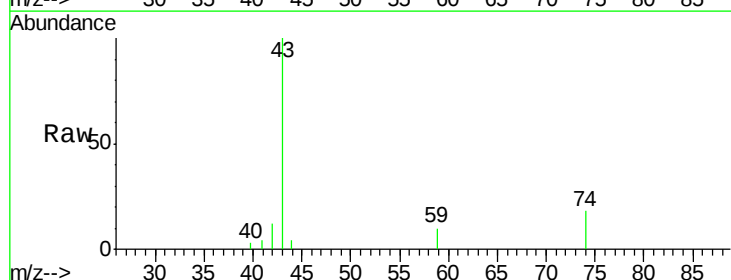
Acq: 17 Apr 2019 1:52

Tgt Ion: 43 Resp: 31281

Ion Ratio Lower Upper

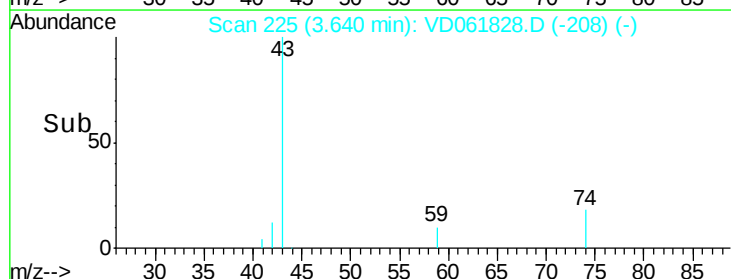
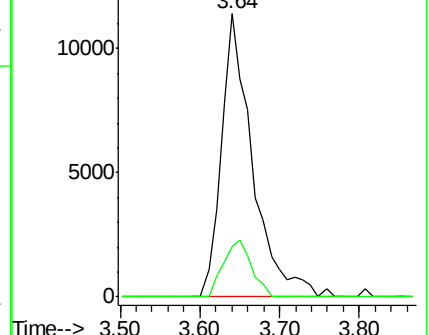
43 100

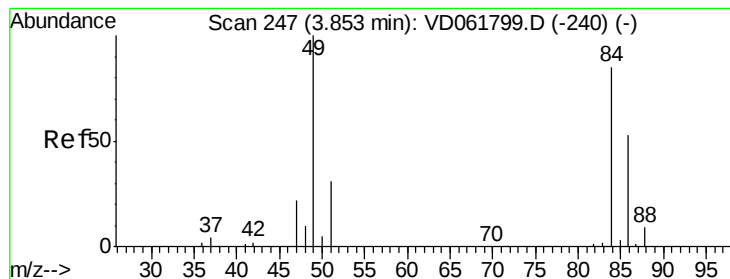
74 17.7 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 21.680 ug/l

RT: 3.83 min Scan# 244

Delta R.T. -0.03 min

Lab File: VD061828.D

Acq: 17 Apr 2019 1:52

Instrument :

MSVOA\_D

ClientSampleId :

3425

Tot Ion: 84 Resp: 78650

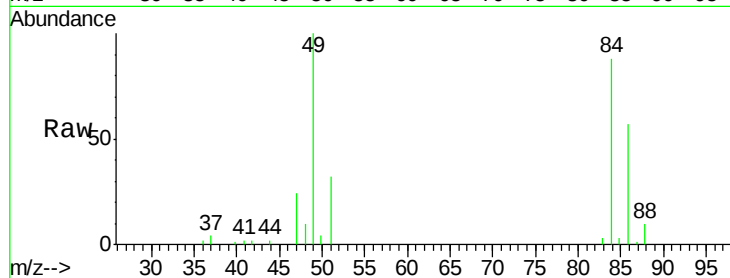
Ion Ratio Lower Upper

84 100

49 114.0 94.0 141.0

51 36.1 29.0 43.4

86 64.7 49.8 74.6

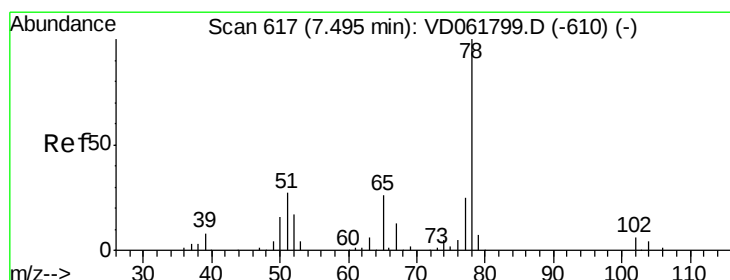
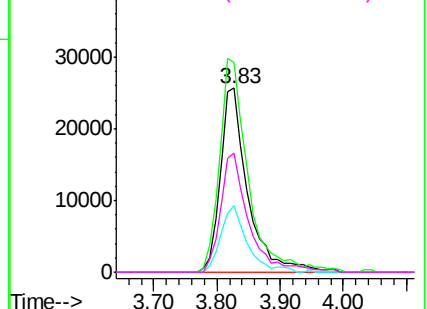
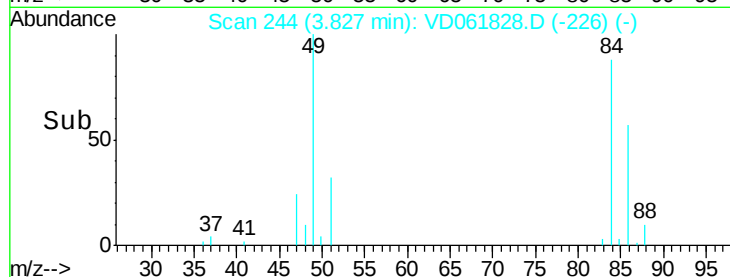


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061828.D

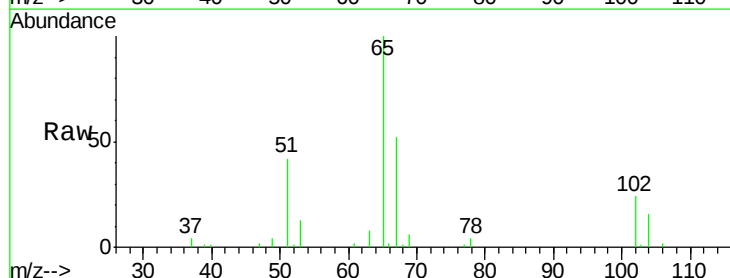
Acq: 17 Apr 2019 1:52

Tgt Ion: 65 Resp: 154177

Ion Ratio Lower Upper

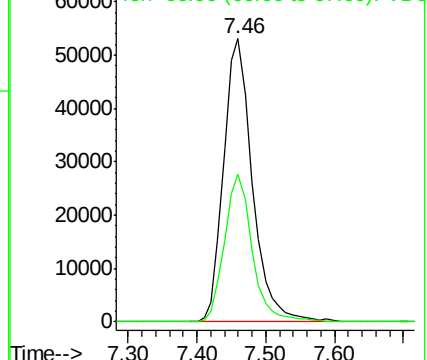
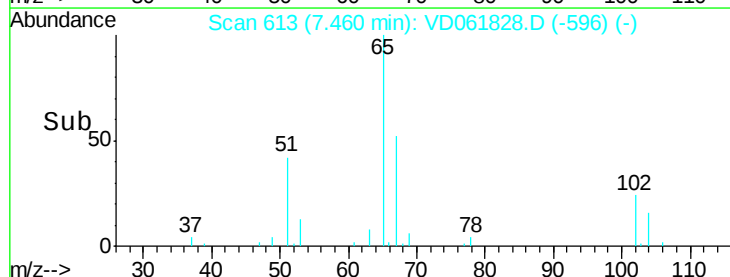
65 100

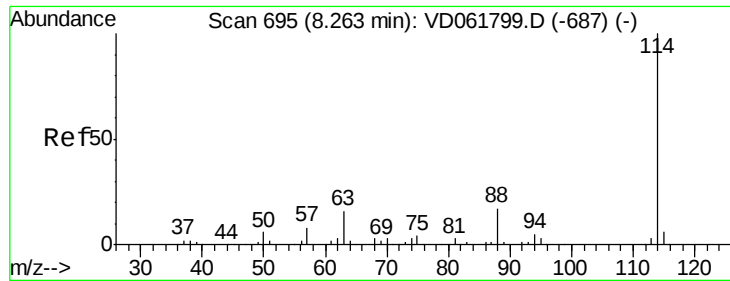
67 52.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

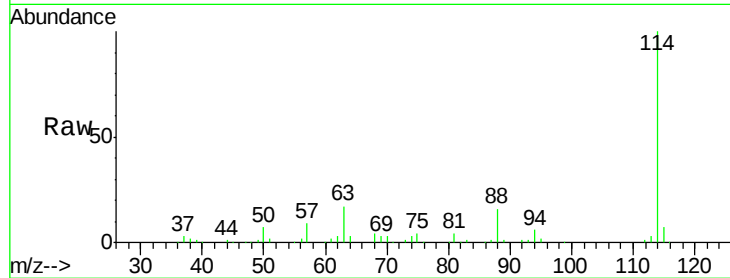




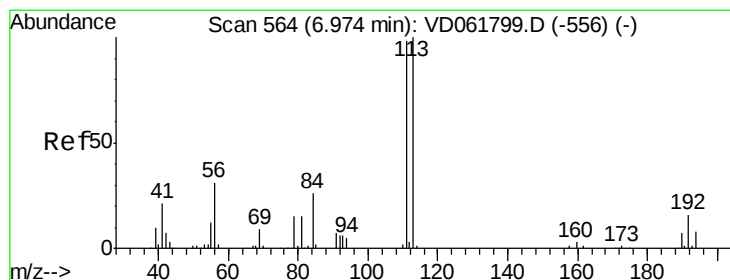
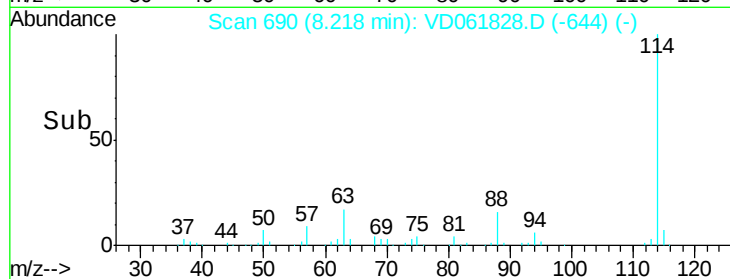
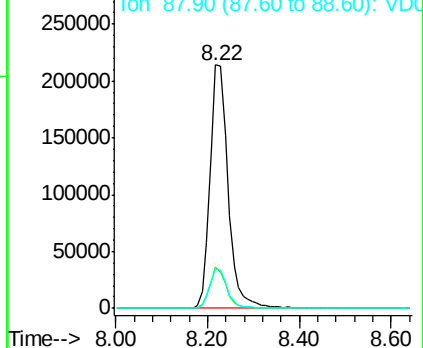
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. -0.05 min  
 Lab File: VD061828.D  
 Acq: 17 Apr 2019 1:52

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 3425

Tot Ion:114 Resp: 577616  
 Ion Ratio Lower Upper  
 114 100  
 63 16.8 0.0 32.4  
 88 16.1 0.0 33.6

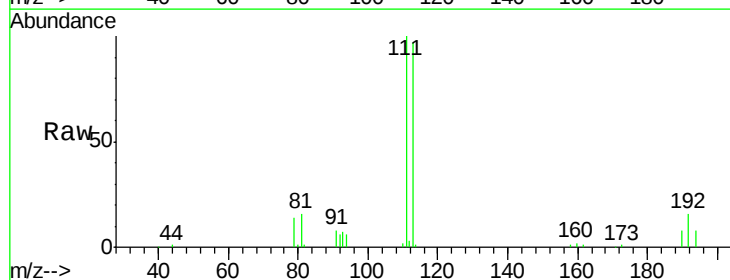


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

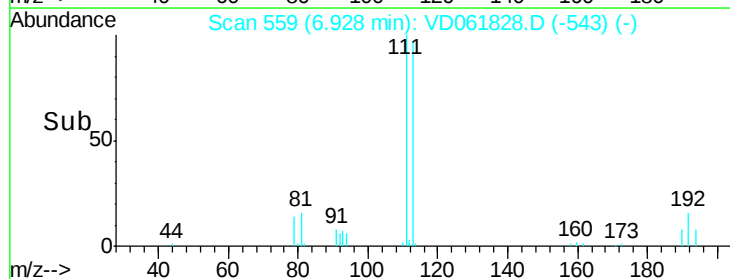
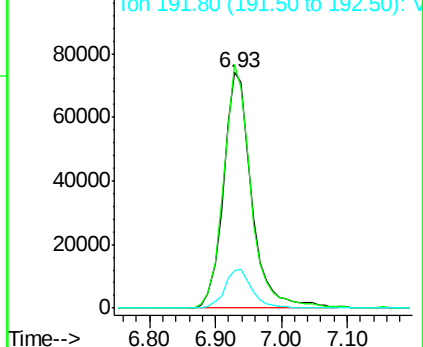


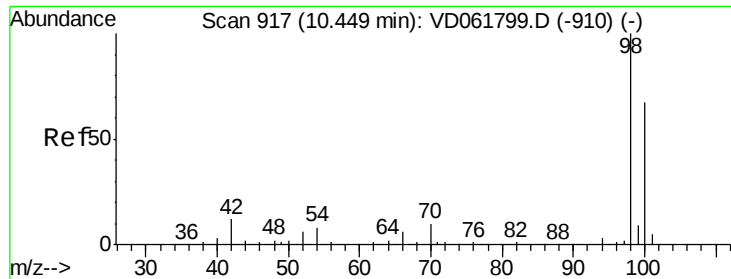
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.93 min Scan# 559  
 Delta R.T. -0.05 min  
 Lab File: VD061828.D  
 Acq: 17 Apr 2019 1:52

Tgt Ion:113 Resp: 221026  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 78.5 117.7  
 192 16.2 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

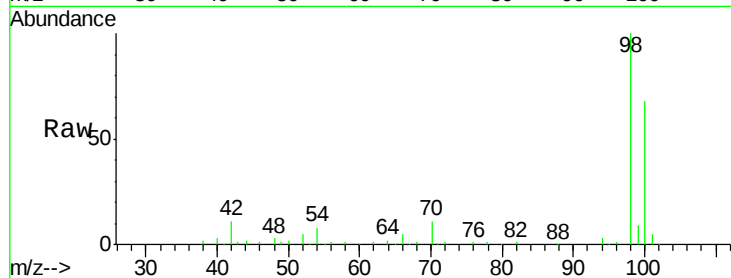




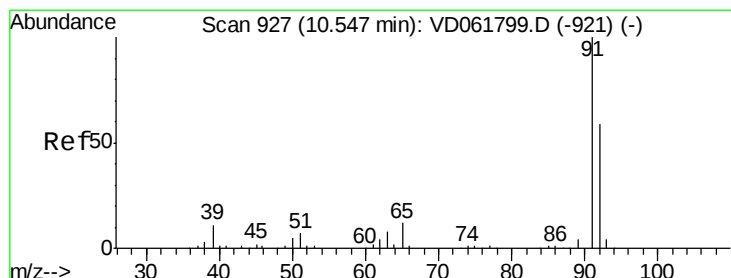
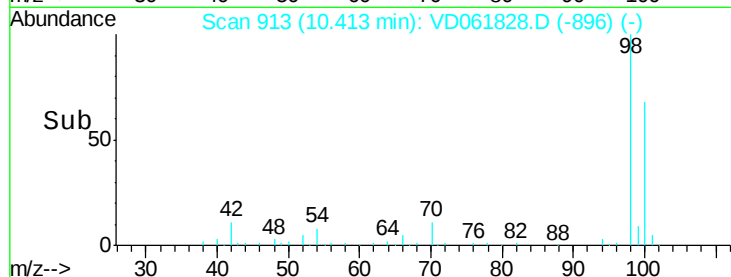
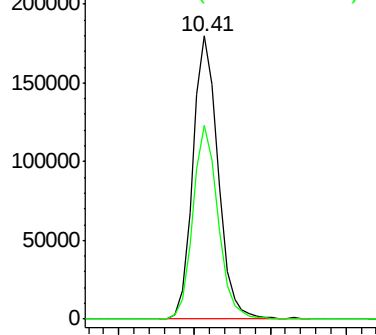
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. -0.04 min  
Lab File: VD061828.D  
Acq: 17 Apr 2019 1:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
3425

Tot Ion: 98 Resp: 415161  
Ion Ratio Lower Upper  
98 100  
100 68.4 53.8 80.8

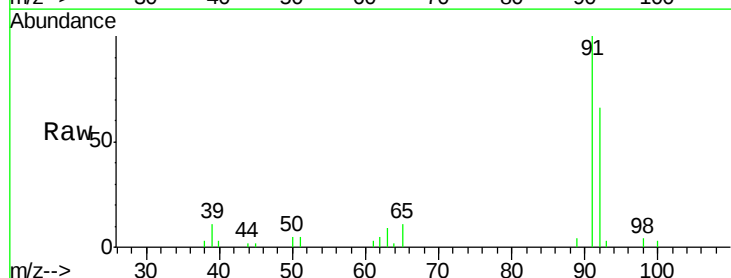


Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC

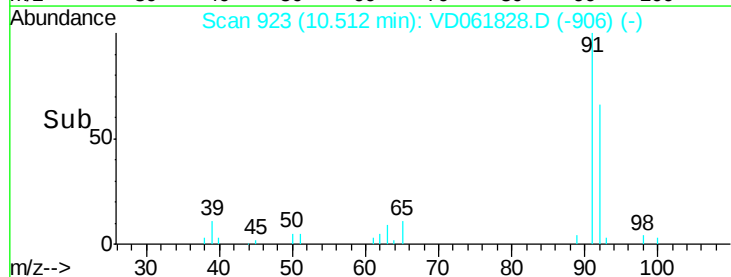
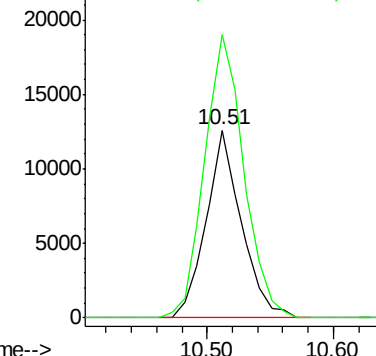


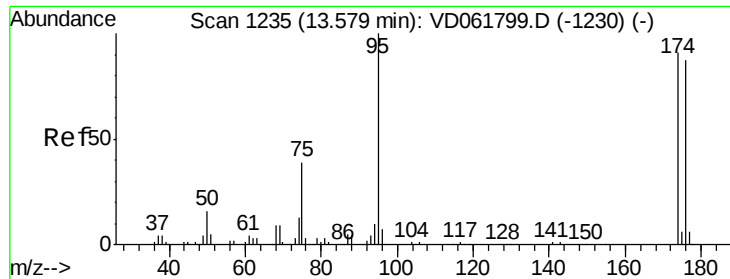
#52  
Toluene  
Concen: 3.341 ug/l  
RT: 10.51 min Scan# 923  
Delta R.T. -0.04 min  
Lab File: VD061828.D  
Acq: 17 Apr 2019 1:52

Tgt Ion: 92 Resp: 24262  
Ion Ratio Lower Upper  
92 100  
91 150.6 136.6 204.8



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

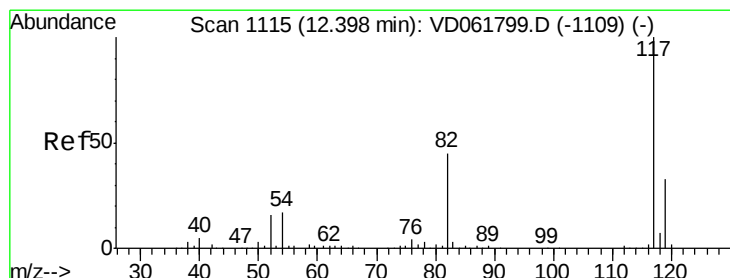
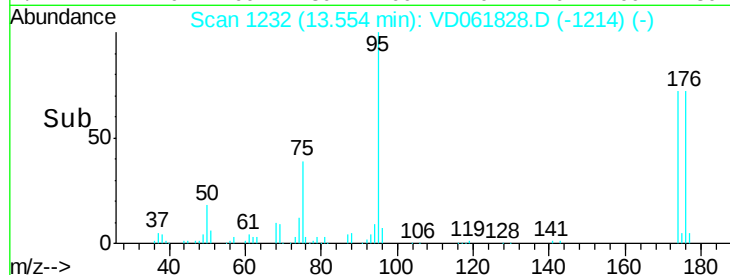
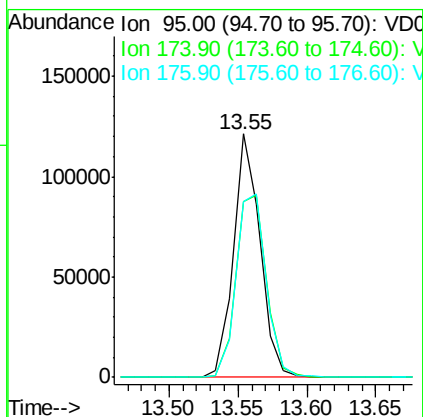
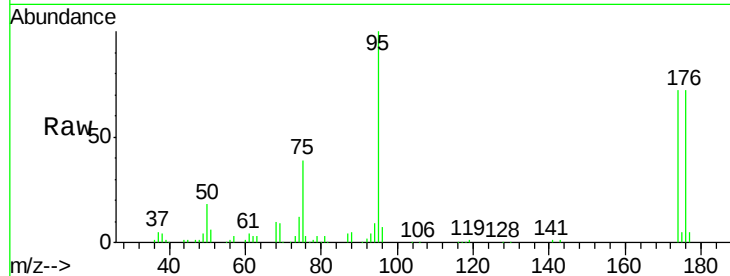




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. -0.03 min  
Lab File: VD061828.D  
Acq: 17 Apr 2019 1:52

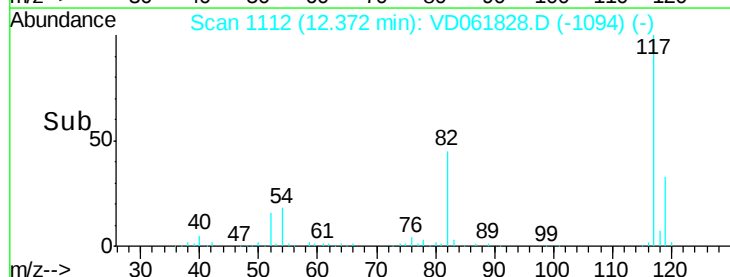
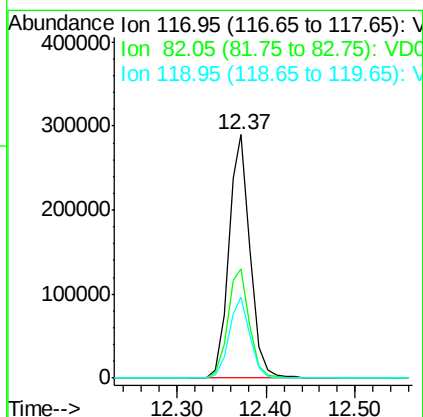
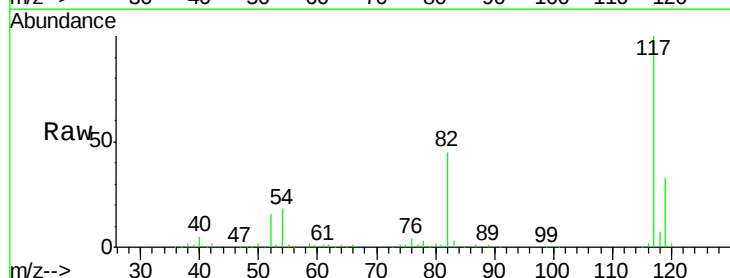
Instrument :  
MSVOA\_D  
ClientSampleId :  
3425

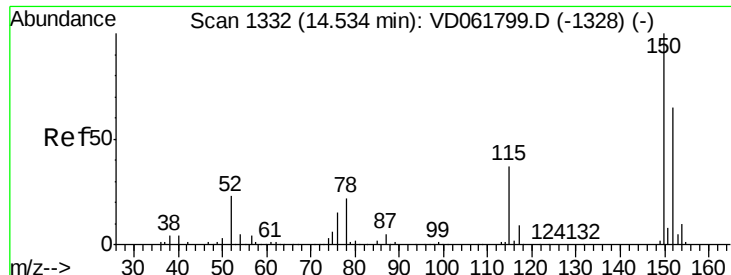
Tot Ion: 95 Resp: 162669  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 181.8  
176 72.4 0.0 174.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. -0.03 min  
Lab File: VD061828.D  
Acq: 17 Apr 2019 1:52

Tgt Ion: 117 Resp: 484934  
Ion Ratio Lower Upper  
117 100  
82 44.8 36.2 54.2  
119 33.0 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD061828.D

Acq: 17 Apr 2019 1:52

Instrument :

MSVOA\_D

ClientSampleId :

3425

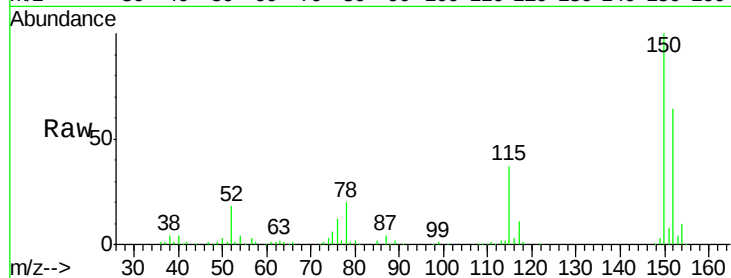
Tot Ion:152 Resp: 197814

Ion Ratio Lower Upper

152 100

115 58.4 30.9 92.7

150 156.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

