

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\  
 Data File : VD065092.D  
 Acq On : 06 Feb 2020 17:49  
 Operator : VA/SY  
 Sample : L1393-05  
 Misc : 6.22G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HAM-SB-03-2-3

Quant Time: Feb 07 06:57:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 05 15:53:00 2020  
 Response via : Initial Calibration

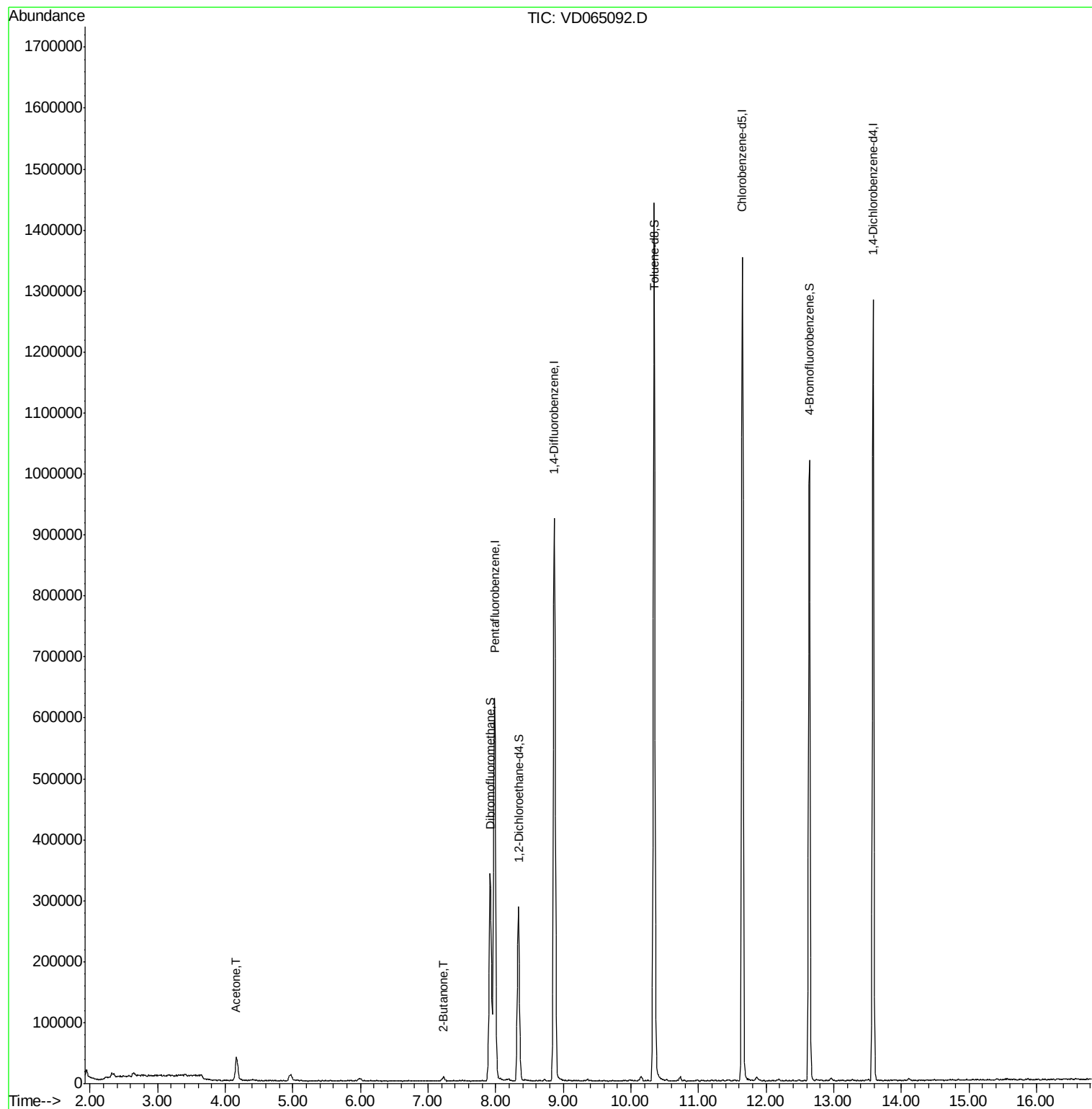
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 483662   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 793481   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 772180   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 335747   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 227358   | 55.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.62% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 242875   | 54.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.72% |          |
| 50) Toluene-d8              | 10.34 | 98   | 974349   | 55.29  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.58% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 316251   | 56.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.28% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.16  | 43   | 67718    | 65.890 | ug/l    | 100      |
| 25) 2-Butanone              | 7.23  | 43   | 10203    | 8.323  | ug/l    | 91       |

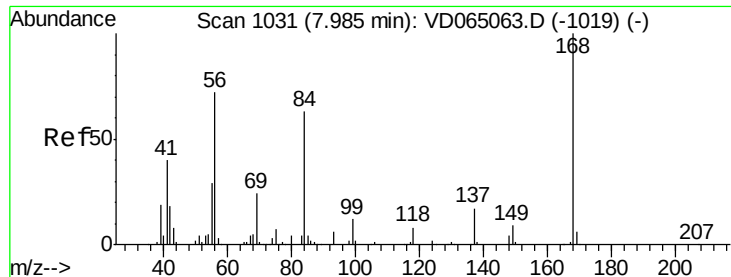
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HAM-SB-03-2-3

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Quant Title : SW846 8260  
QLast Update : Wed Feb 05 15:53:00 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065092.D

Acq: 06 Feb 2020 17:49

Instrument :

MSVOA\_D

ClientSampleId :

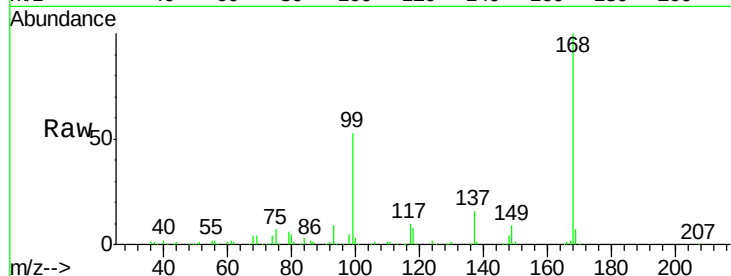
HAM-SB-03-2-3

Tot Ion:168 Resp: 483662

Ion Ratio Lower Upper

168 100

99 52.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

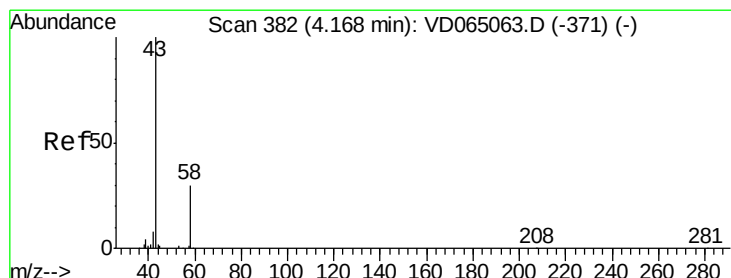
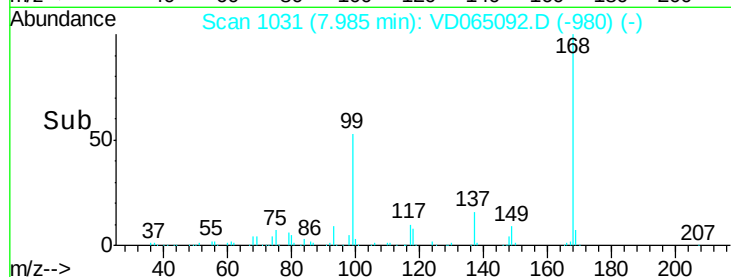
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 65.890 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065092.D

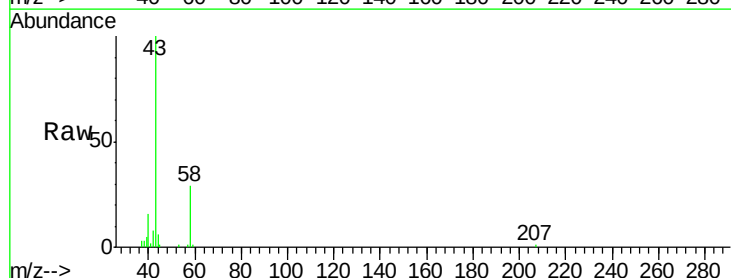
Acq: 06 Feb 2020 17:49

Tgt Ion: 43 Resp: 67718

Ion Ratio Lower Upper

43 100

58 29.5 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

25000

20000

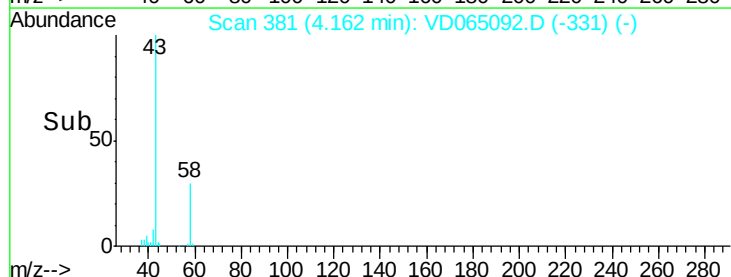
15000

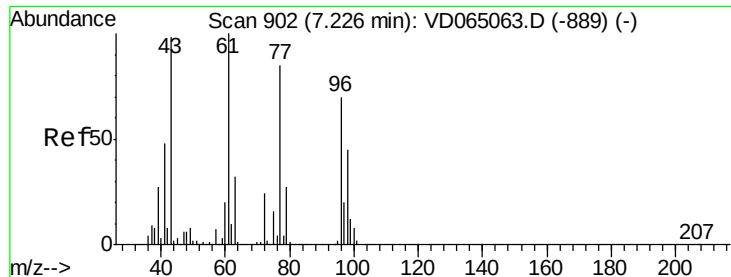
10000

5000

0

Time-->





#25

2-Butanone

Concen: 8.323 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065092.D

Acq: 06 Feb 2020 17:49

Instrument :

MSVOA\_D

ClientSampleId :

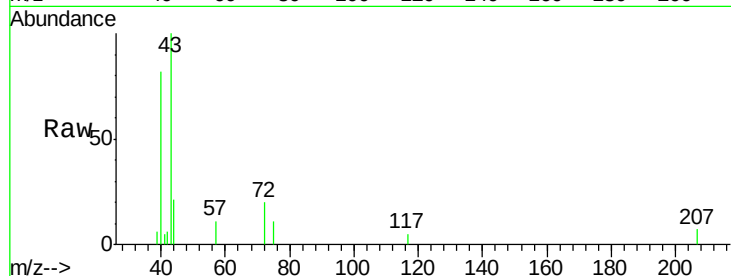
HAM-SB-03-2-3

Tot Ion: 43 Resp: 10203

Ion Ratio Lower Upper

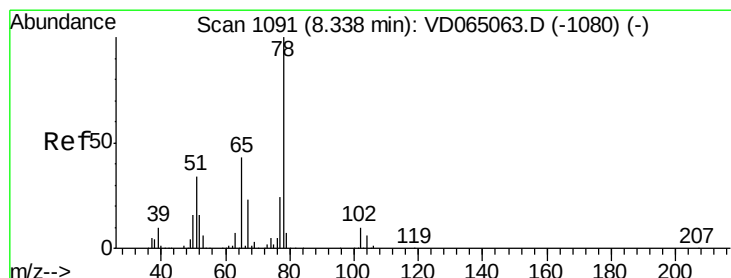
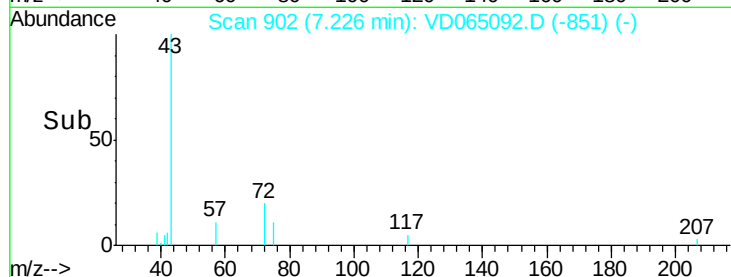
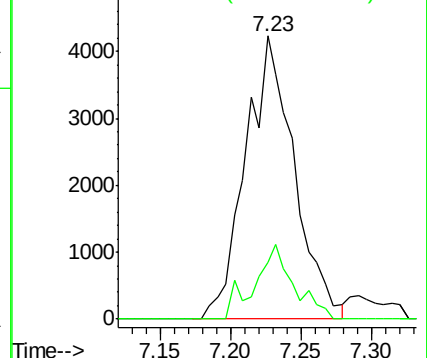
43 100

72 20.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.309 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065092.D

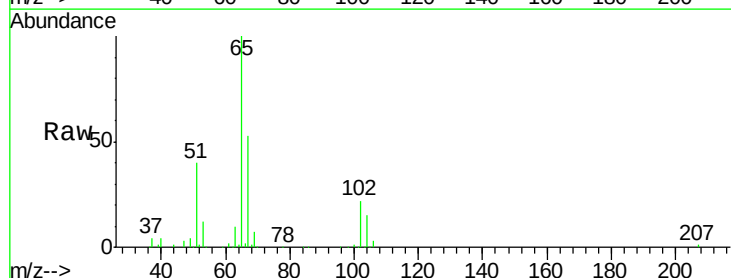
Acq: 06 Feb 2020 17:49

Tgt Ion: 65 Resp: 227358

Ion Ratio Lower Upper

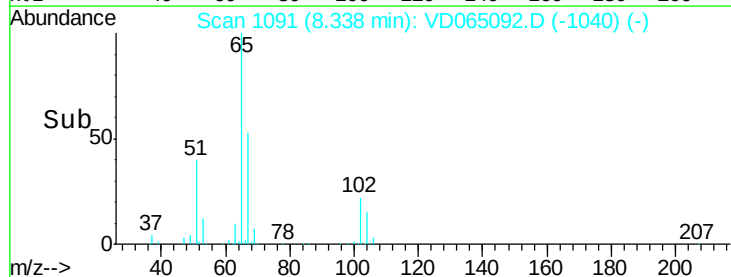
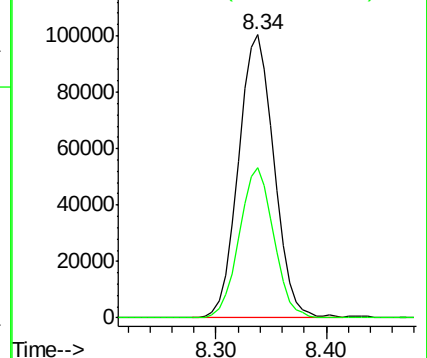
65 100

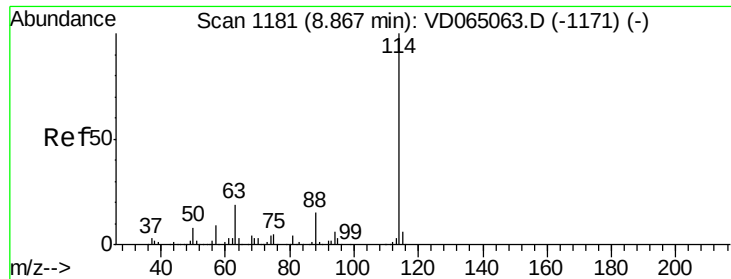
67 51.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065092.D

Acq: 06 Feb 2020 17:49

Instrument :

MSVOA\_D

ClientSampleId :

HAM-SB-03-2-3

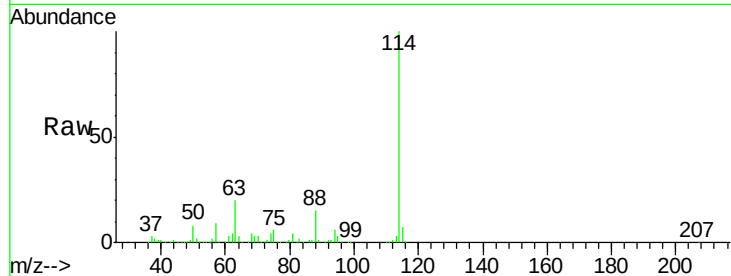
Tot Ion:114 Resp: 793481

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

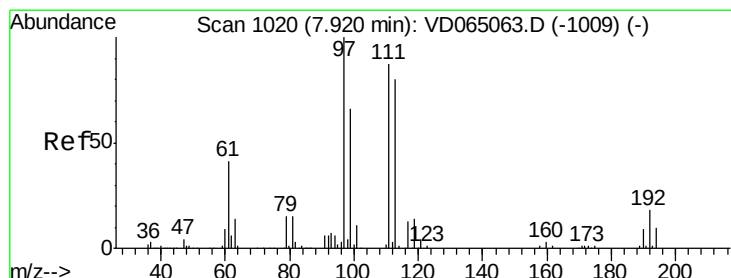
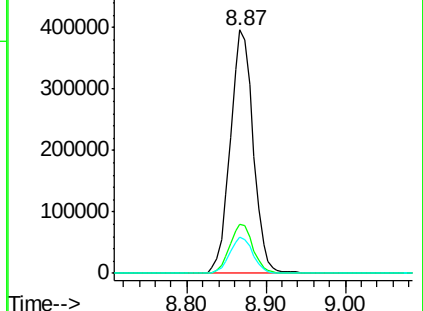
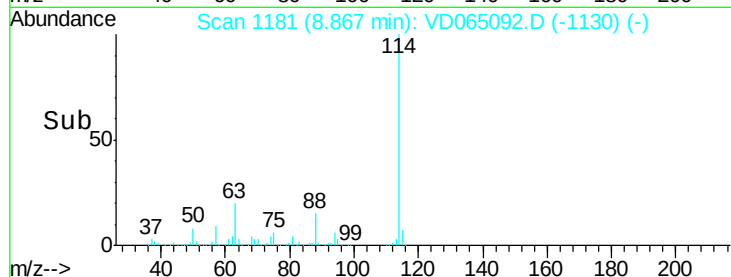
88 14.7 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 54.861 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065092.D

Acq: 06 Feb 2020 17:49

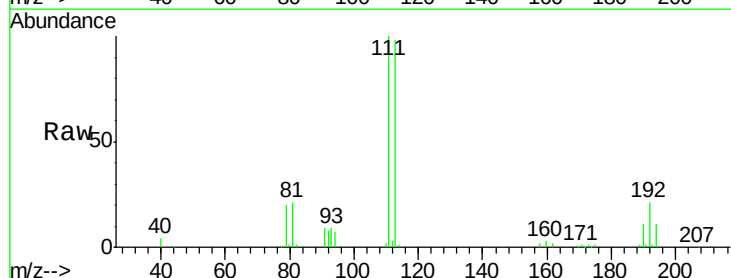
Tgt Ion:113 Resp: 242875

Ion Ratio Lower Upper

113 100

111 101.6 83.1 124.7

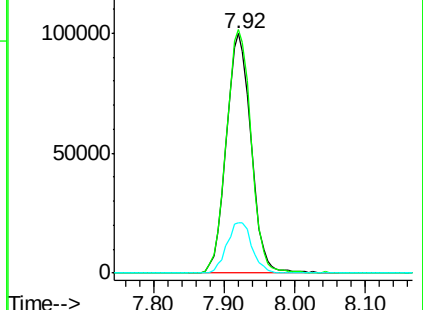
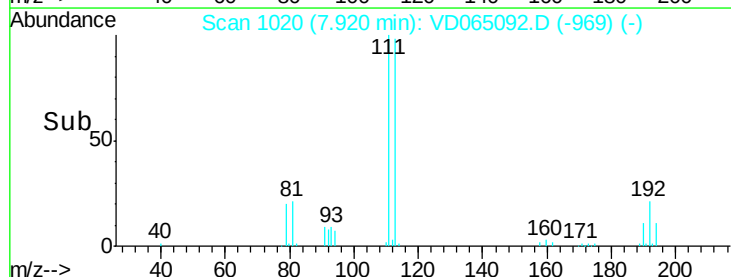
192 21.3 18.1 27.1

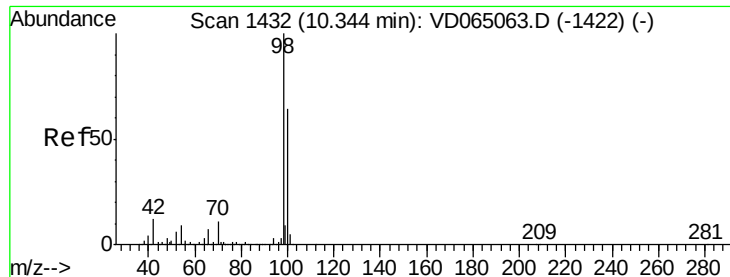


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

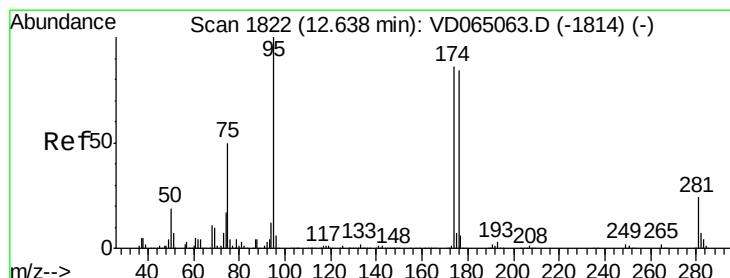
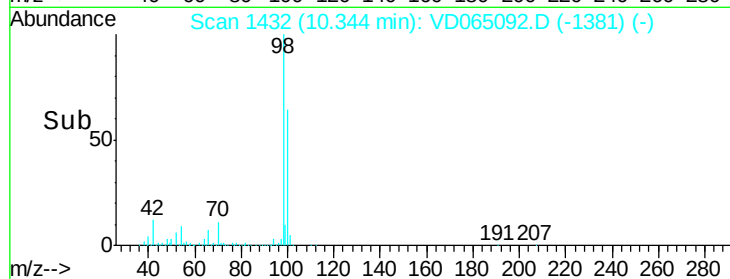
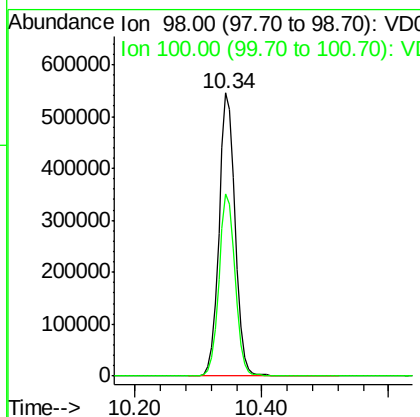
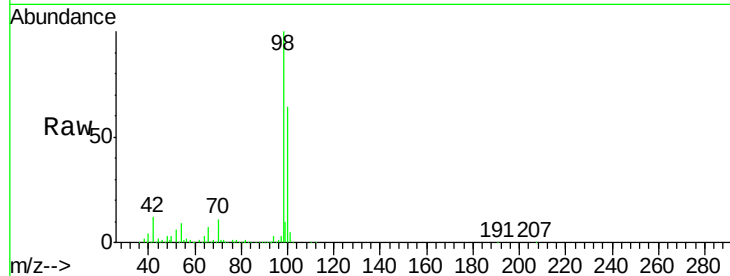




#50  
Toluene-d8  
Concen: 55.294 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065092.D  
Acq: 06 Feb 2020 17:49

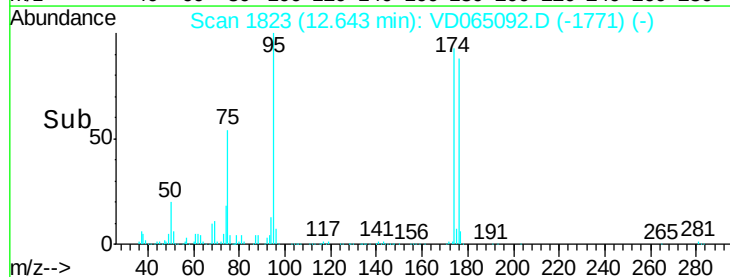
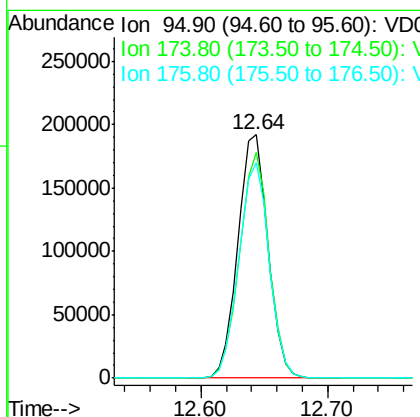
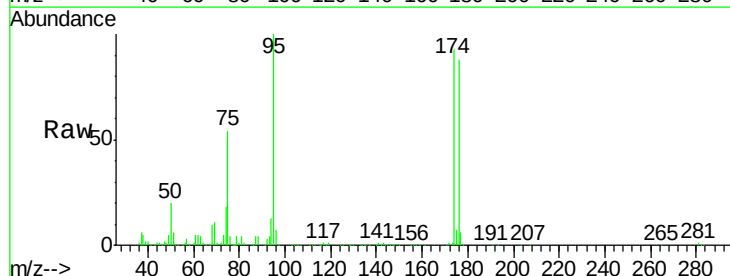
Instrument :  
MSVOA\_D  
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HAM-SB-03-2-3

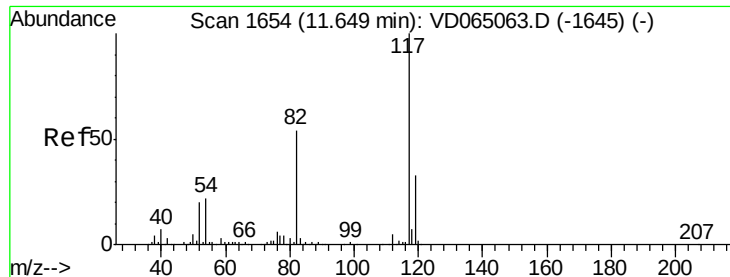
Tot Ion: 98 Resp: 974349  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 56.640 ug/l  
RT: 12.64 min Scan# 1823  
Delta R.T. 0.01 min  
Lab File: VD065092.D  
Acq: 06 Feb 2020 17:49

Tgt Ion: 95 Resp: 316251  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 180.0  
176 88.9 0.0 173.2

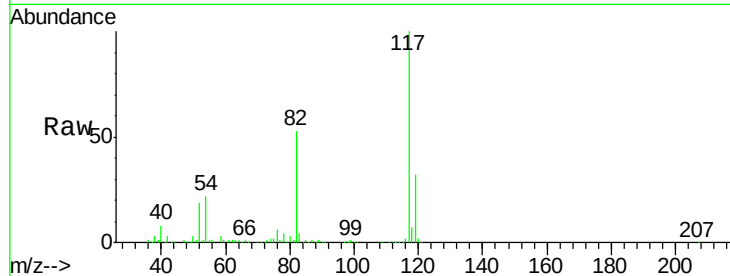




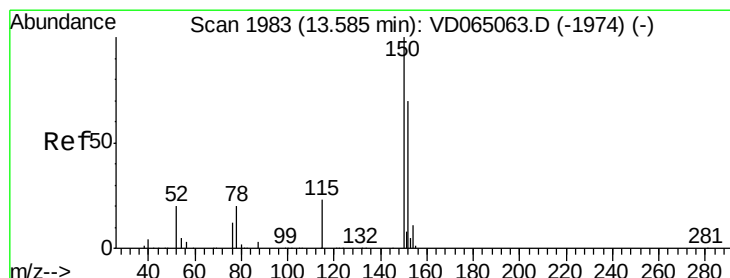
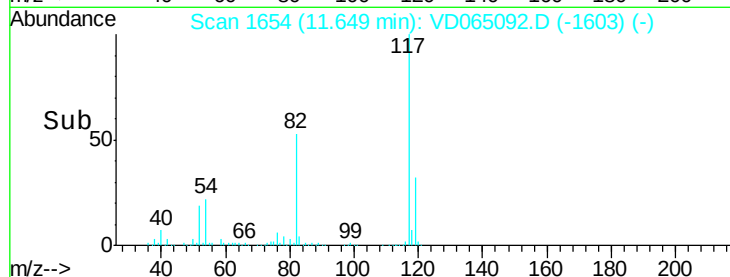
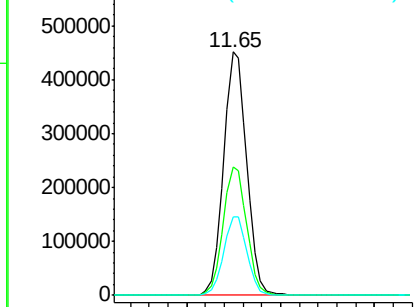
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065092.D  
Acq: 06 Feb 2020 17:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
HAM-SB-03-2-3

Tot Ion:117 Resp: 772180  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.1 64.7  
119 32.4 26.0 39.0

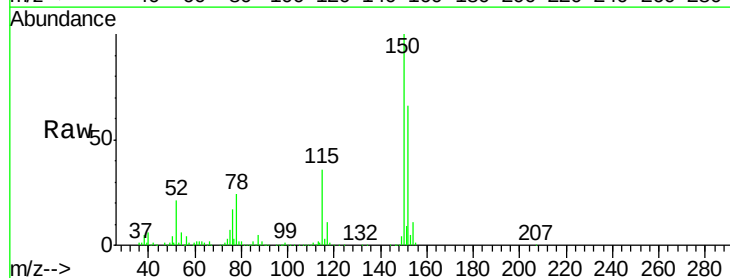


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD065092.D  
Acq: 06 Feb 2020 17:49

Tgt Ion:152 Resp: 335747  
Ion Ratio Lower Upper  
152 100  
115 55.2 27.5 82.4  
150 155.0 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

