

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
 Data File : VD066042.D  
 Acq On : 24 Jul 2020 12:54  
 Operator : VA/SY  
 Sample : L3412-01  
 Misc : 8.11G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUCK-BANK

Quant Time: Jul 25 00:13:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 12:34:13 2020  
 Response via : Initial Calibration

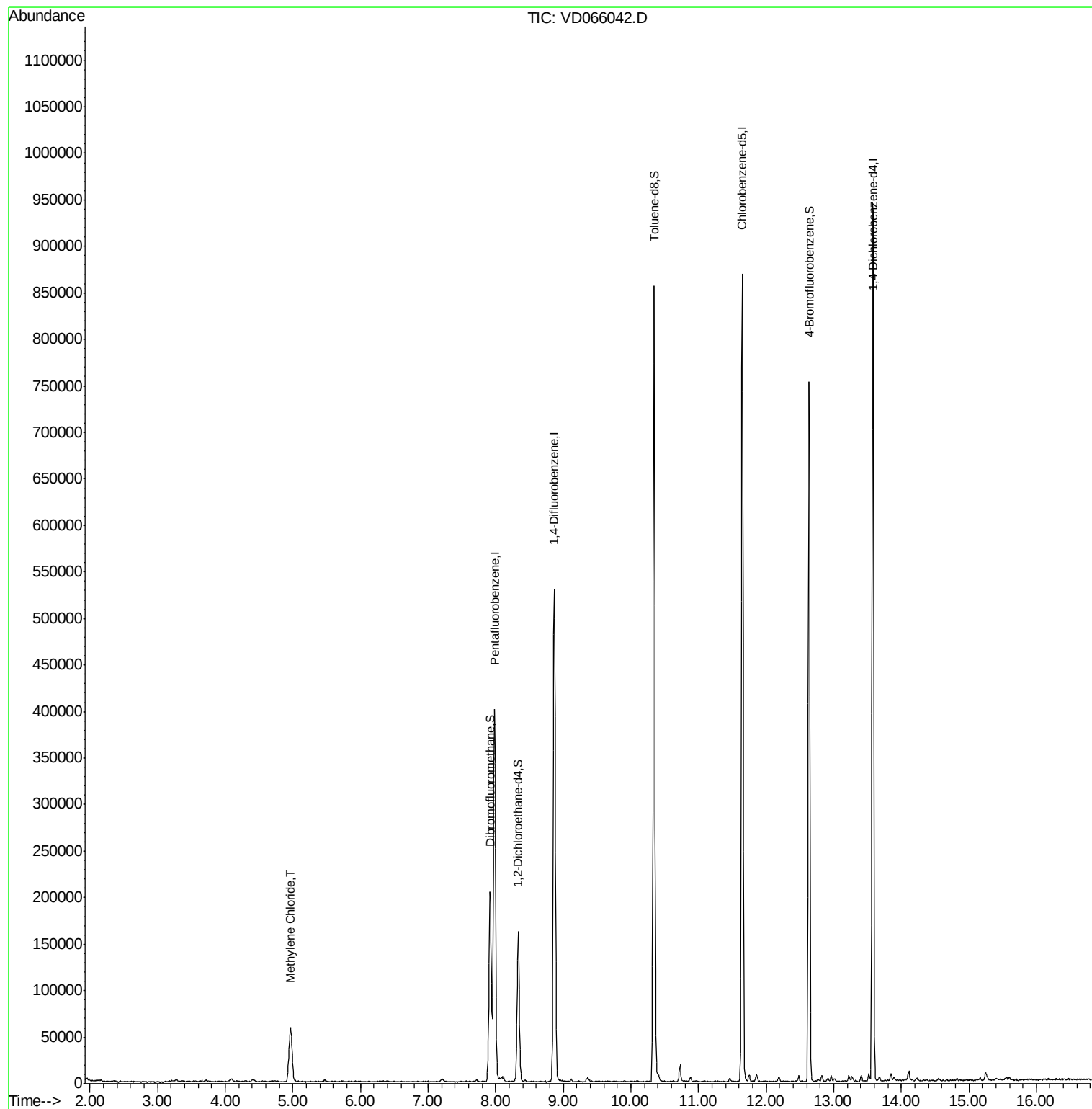
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 320268   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 485930   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 509179   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 269386   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 127912   | 49.08  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.16%  |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 146941   | 49.86  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.72%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 589947   | 53.73  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.46% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 233615   | 61.36  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.72% |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.97  | 84   | 46993    | 13.975 | ug/l    | Qvalue 91 |

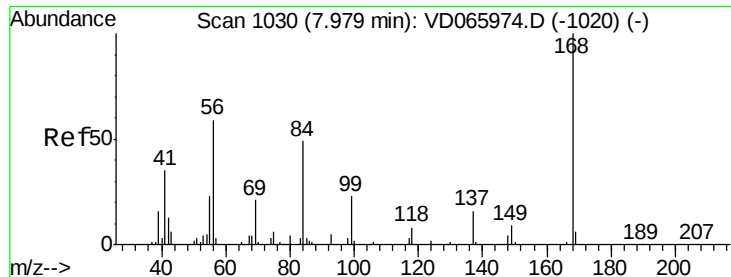
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
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MSVOA\_D  
ClientSampleId :  
DUCK-BANK

Quant Time: Jul 25 00:13:03 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 21 12:34:13 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066042.D

Acq: 24 Jul 2020 12:54

Instrument :

MSVOA\_D

ClientSampleId :

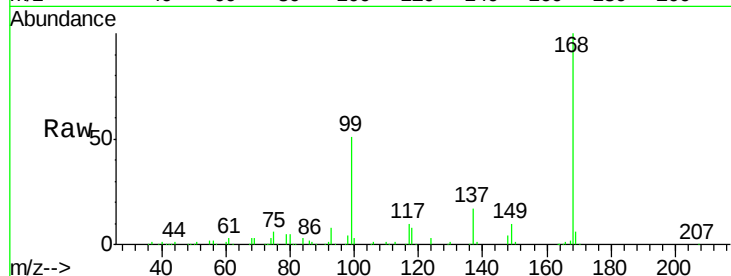
DUCK-BANK

Tot Ion:168 Resp: 320268

Ion Ratio Lower Upper

168 100

99 50.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

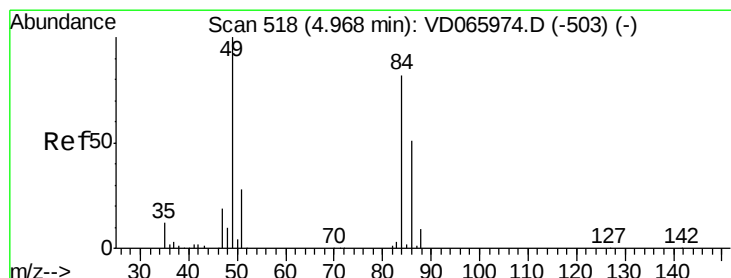
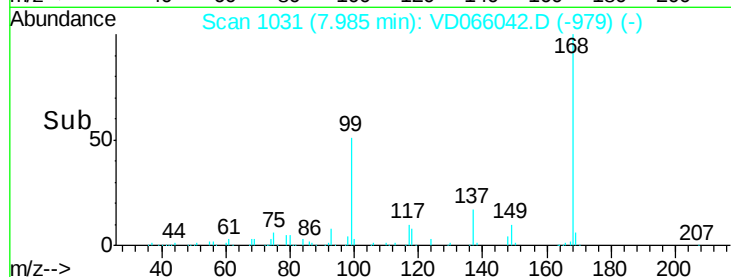
100000

50000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: 13.975 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066042.D

Acq: 24 Jul 2020 12:54

Tgt Ion: 84 Resp: 46993

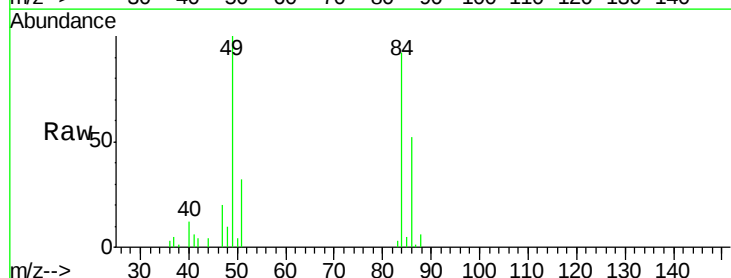
Ion Ratio Lower Upper

84 100

49 108.4 97.7 146.5

51 35.1 27.4 41.2

86 56.0 49.4 74.2



Abundance Ion 83.90 (83.60 to 84.60): 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

25000

20000

15000

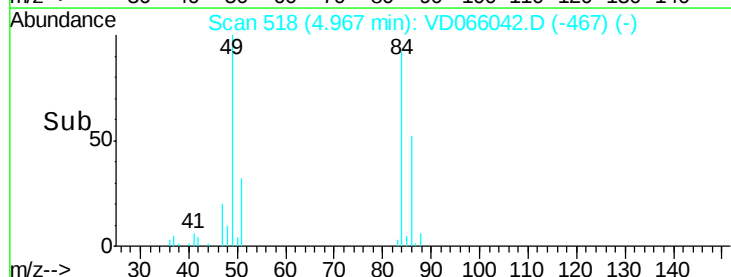
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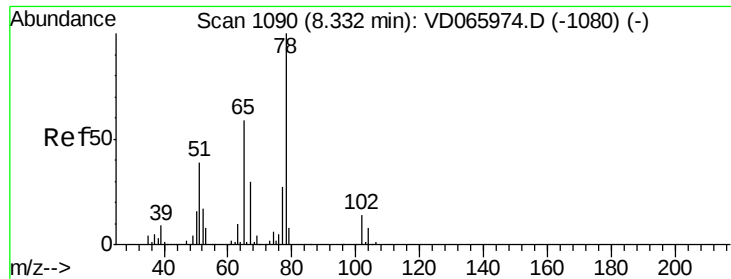
5000

0

Time-->

4.90 5.00 5.10

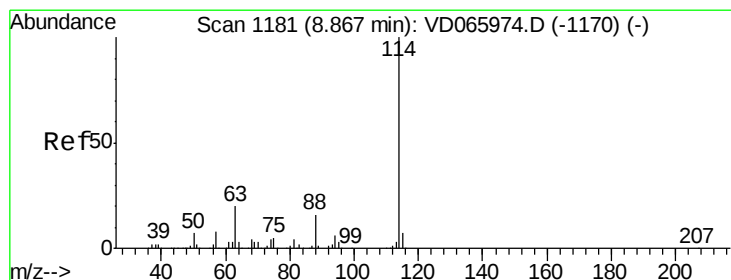
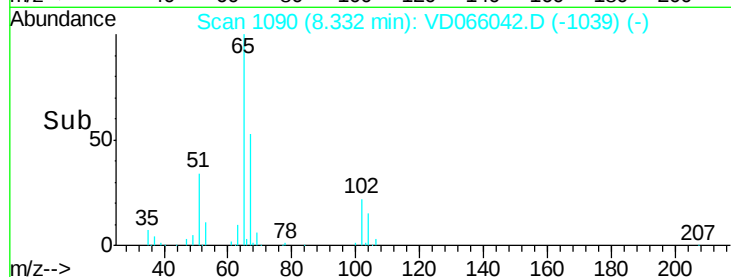
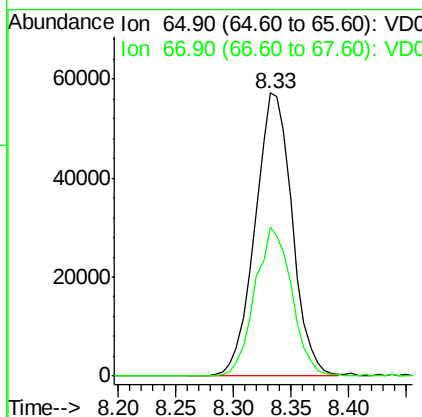
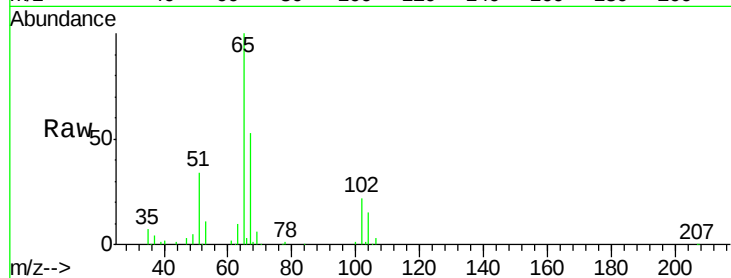




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.084 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.00 min  
 Lab File: VD066042.D  
 Acq: 24 Jul 2020 12:54

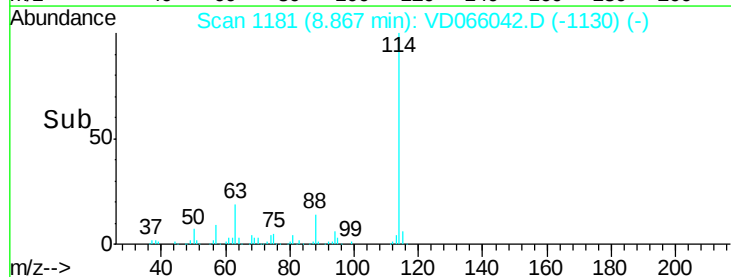
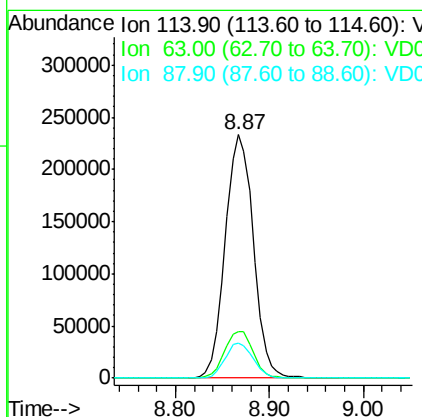
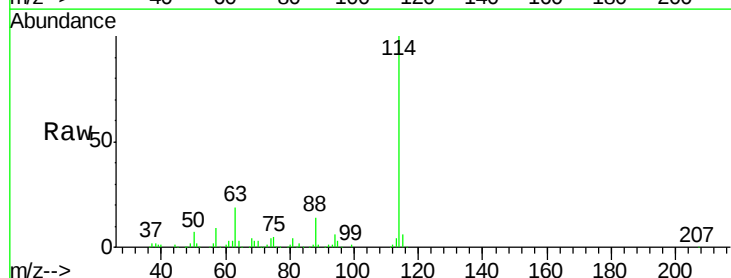
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUCK-BANK

Tot Ion: 65 Resp: 127912  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD066042.D  
 Acq: 24 Jul 2020 12:54

Tgt Ion: 114 Resp: 485930  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 39.6  
 88 14.1 0.0 31.2

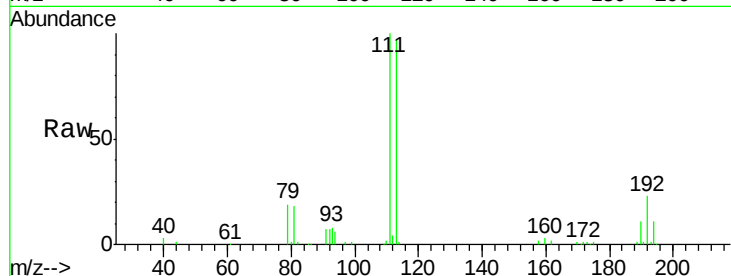




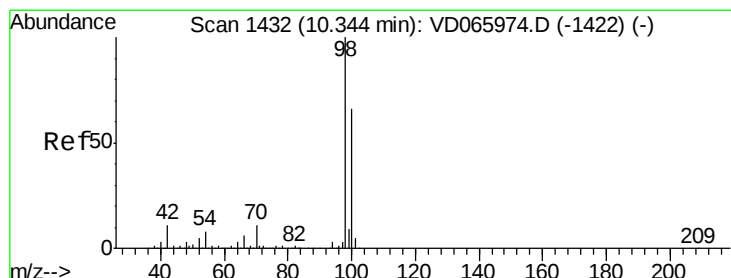
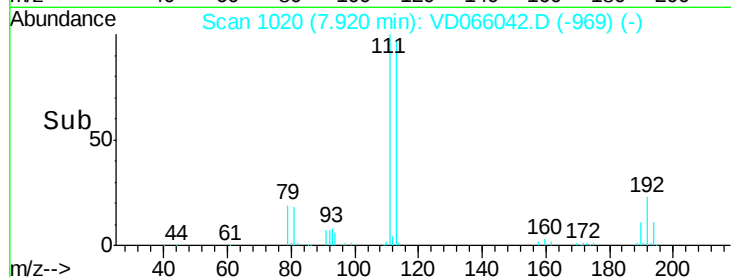
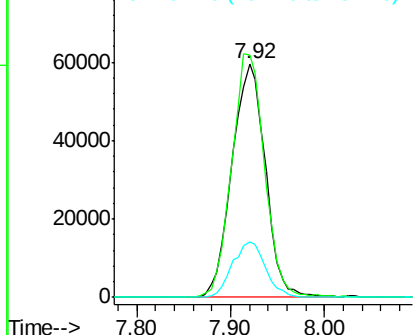
#35  
Dibromofluoromethane  
Concen: 49.856 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUCK-BANK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 83.2  | 124.8 |
| 192     | 23.5  | 18.7  | 28.1  |

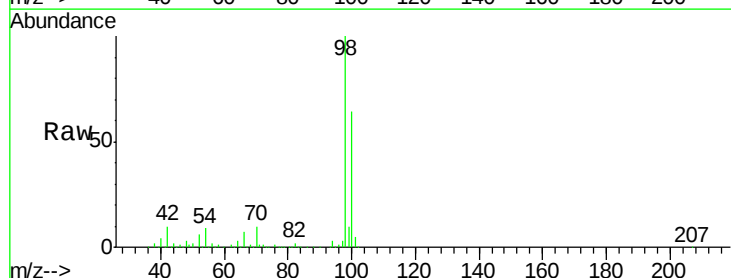


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

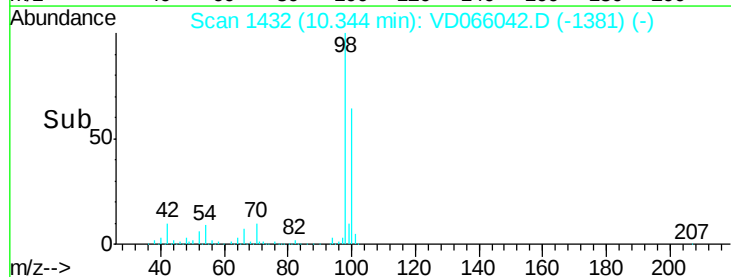
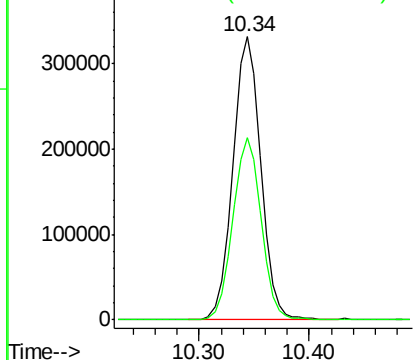


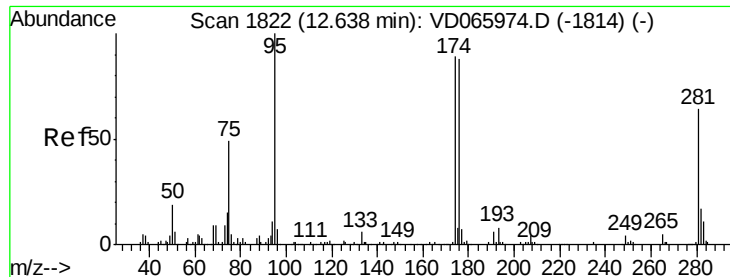
#50  
Toluene-d8  
Concen: 53.732 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 52.7  | 79.1  |



Abundance Ion 98.00 (97.70 to 98.70): V  
Ion 100.00 (99.70 to 100.70): V

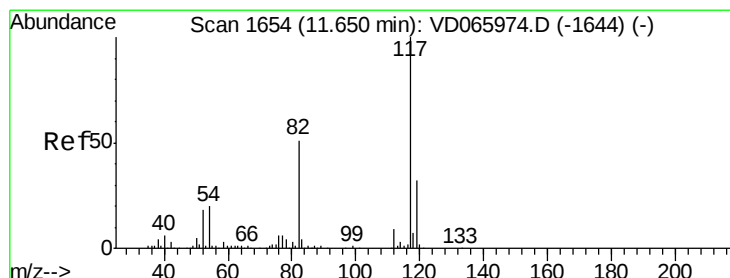
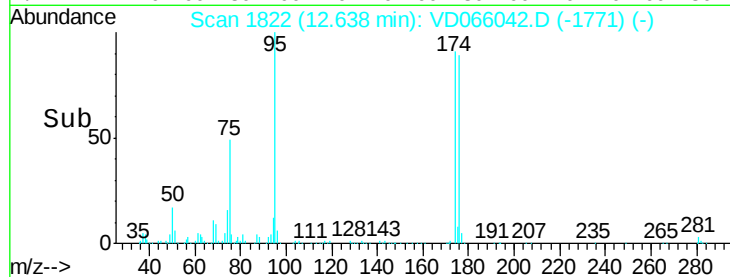
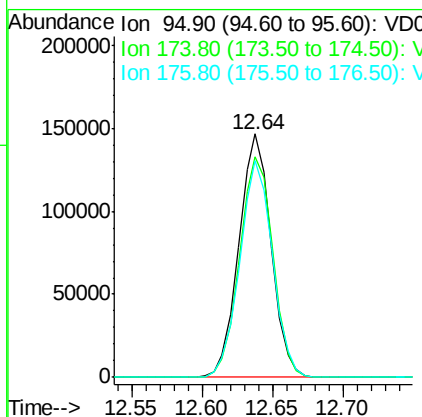
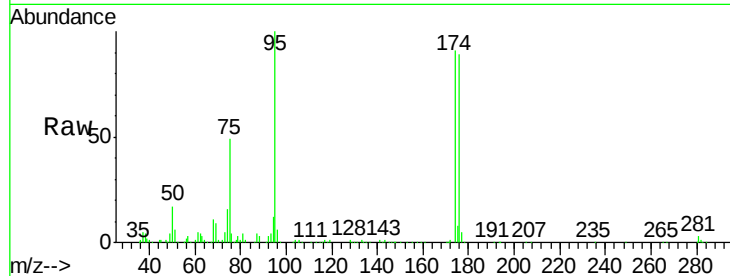




#62  
4-Bromofluorobenzene  
Concen: 61.364 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

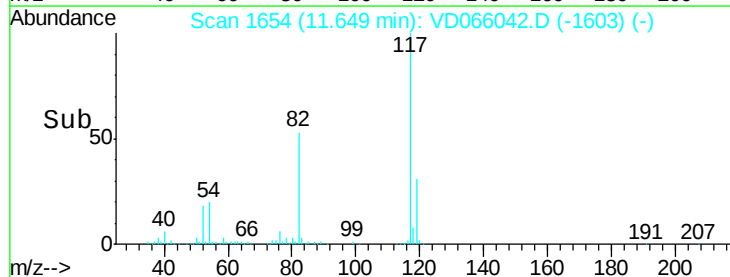
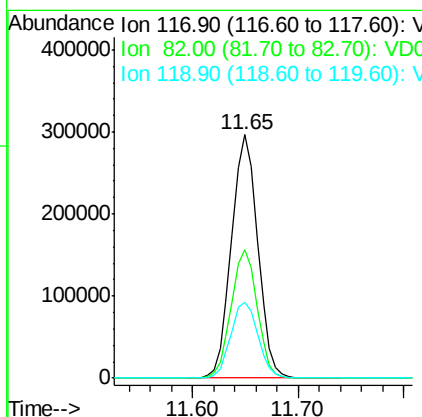
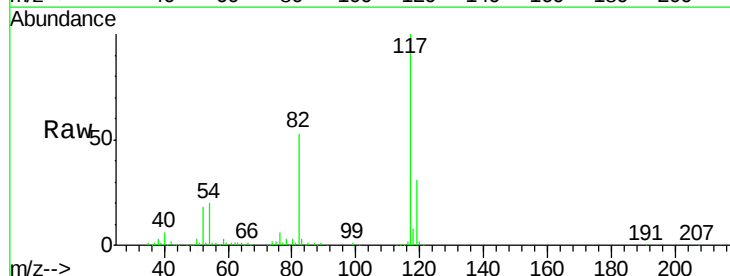
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUCK-BANK

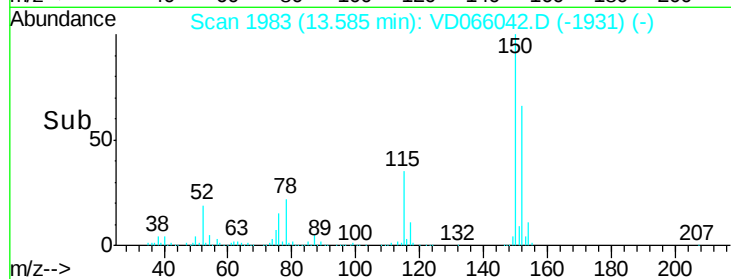
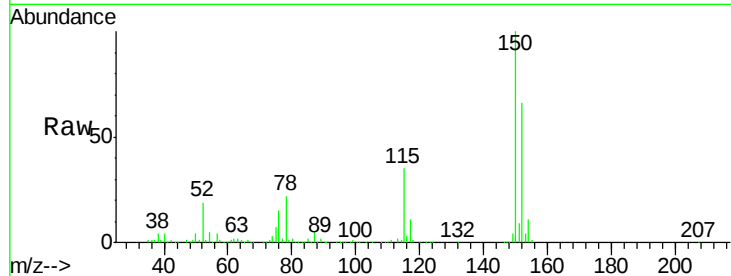
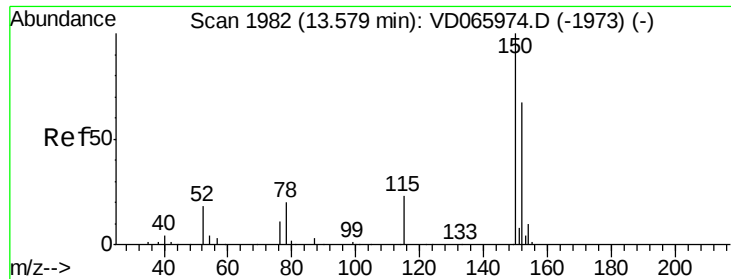
Tot Ion: 95 Resp: 233615  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 178.8  
176 90.6 0.0 172.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

Tgt Ion: 117 Resp: 509179  
Ion Ratio Lower Upper  
117 100  
82 52.6 41.1 61.7  
119 31.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066042.D

Acq: 24 Jul 2020 12:54

Instrument :

MSVOA\_D

ClientSampleId :

DUCK-BANK

Tot Ion:152 Resp: 269386

Ion Ratio Lower Upper

152 100

115 54.9 27.9 83.7

150 156.2 0.0 348.2

