

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 24 23:52:59 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

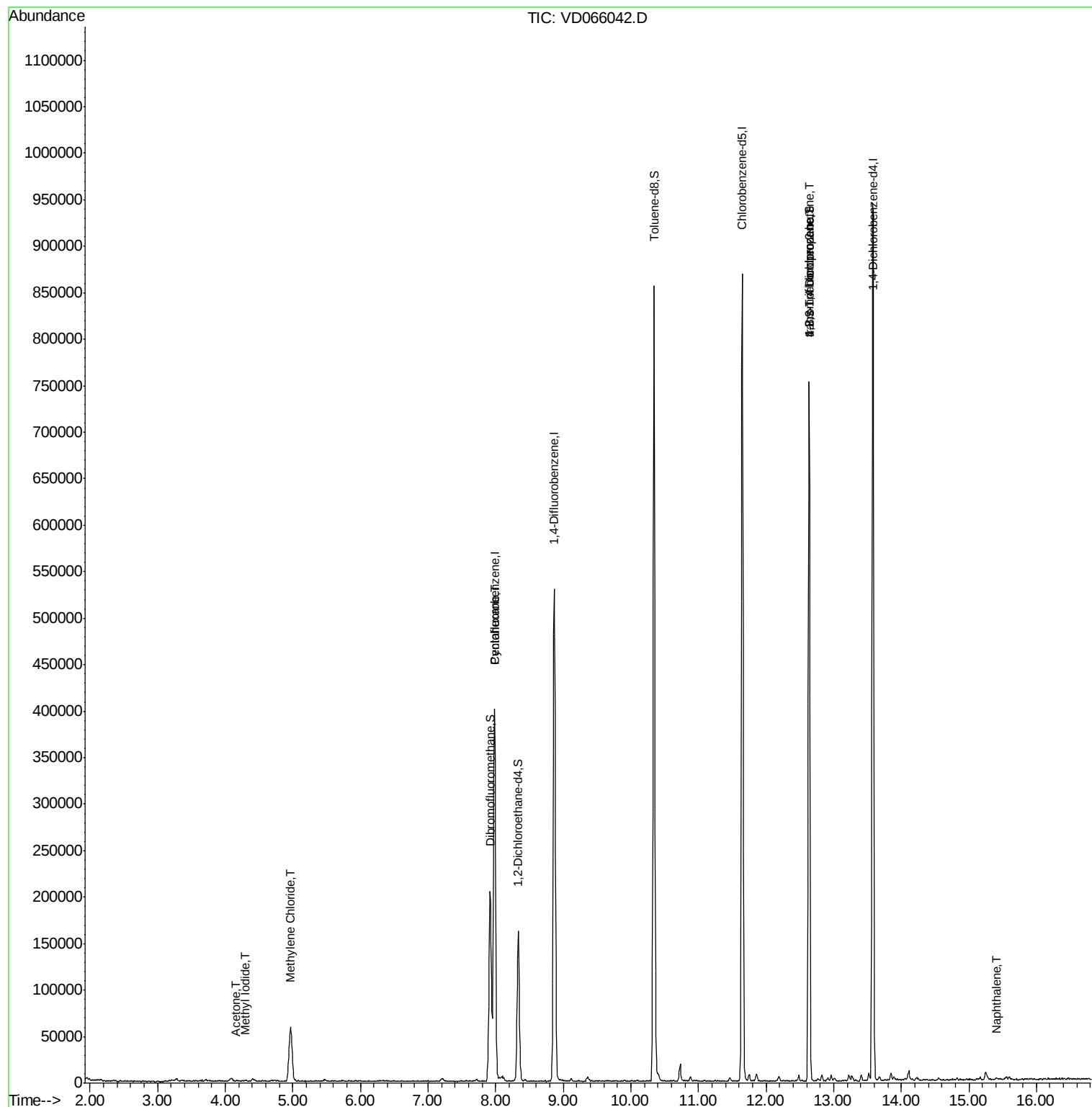
| Internal Standards             | R.T.  | QIon | Response | Conc           | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|----------------|---------|----------|
| 1) Pentafluorobenzene          | 7.98  | 168  | 320268   | 50.00          | ug/l    | 0.00     |
| 34) 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               |       |      |          |                |         |          |
| 5) Bromomethane                | 2.78  | 94   | 666      | Below Cal      |         | 95       |
| 10) Methyl Iodide              | 4.29  | 142  | 516      | 8.964 ug/l #   |         | 83       |
| 16) Acetone                    | 4.16  | 43   | 867      | 1.644 ug/l #   |         | 42       |
| 20) Methylene Chloride         | 4.97  | 84   | 46993    | 13.975 ug/l    |         | 91       |
| 31) Cyclohexane                | 7.98  | 56   | 7233     | 1.543 ug/l #   |         | 29       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 114466   | 56.433 ug/l #  |         | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 114466   | 129.495 ug/l # |         | 11       |
| 95) Naphthalene                | 15.41 | 128  | 2249     | 3.791 ug/l #   |         | 81       |

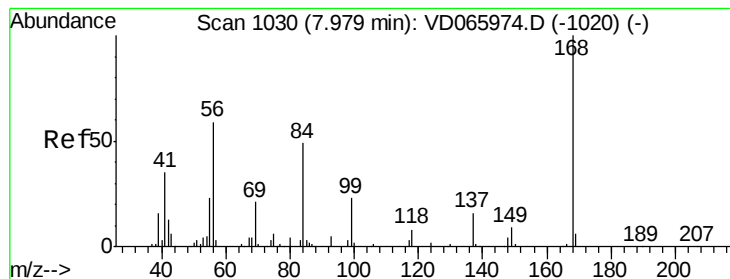
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
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Quant Time: Jul 24 23:52:59 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 :

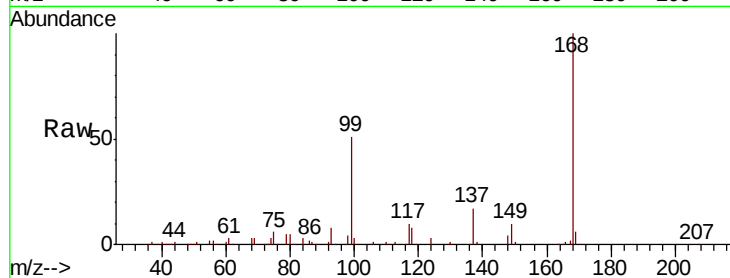
DUCK-BANK

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

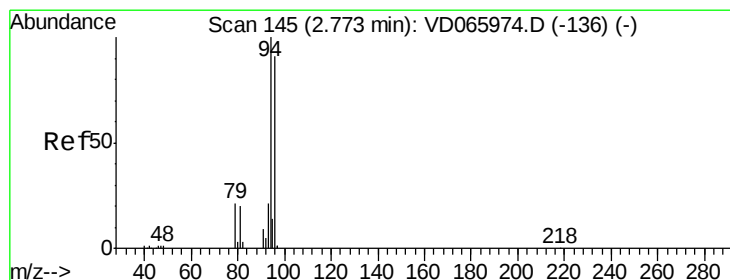
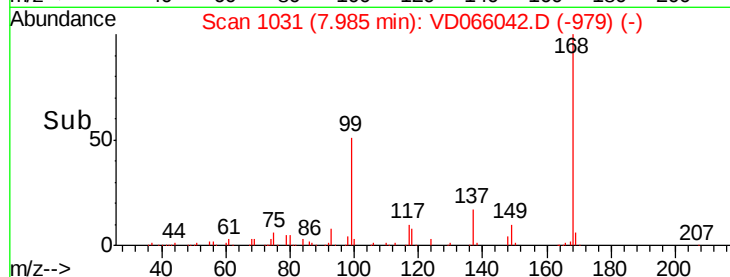
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066042.D

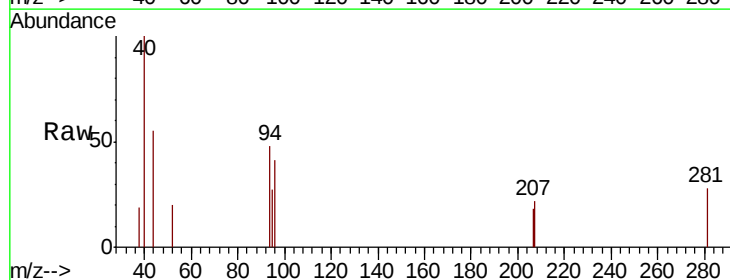
Acq: 24 Jul 2020 12:54

Tgt Ion: 94 Resp: 666

Ion Ratio Lower Upper

94 100

96 86.7 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

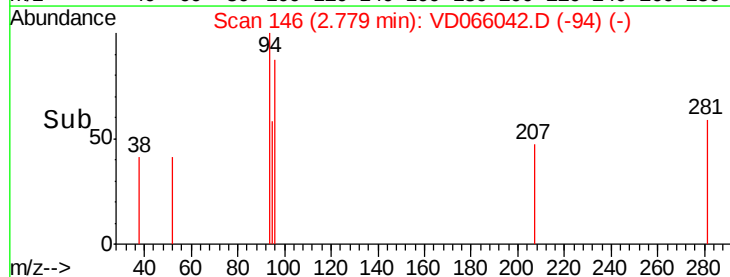
300

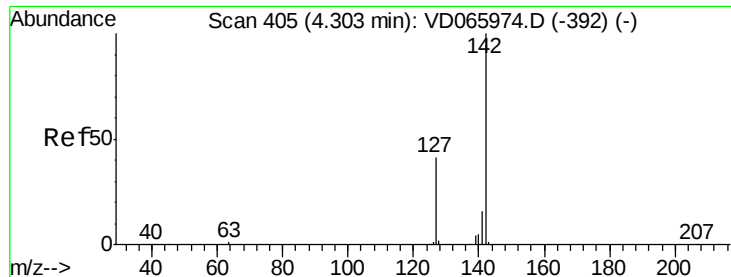
200

100

0

Time-->

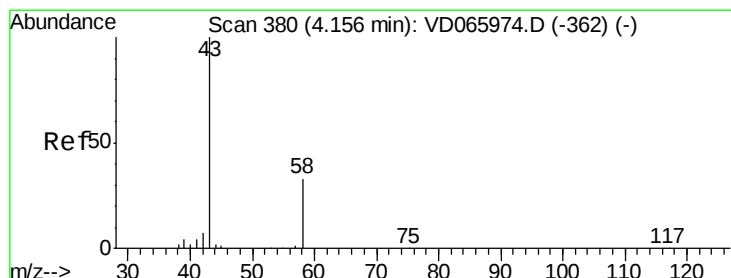
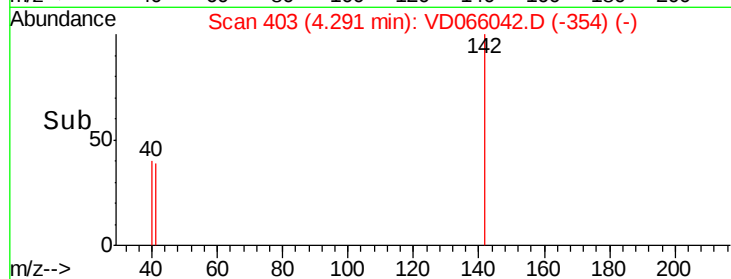
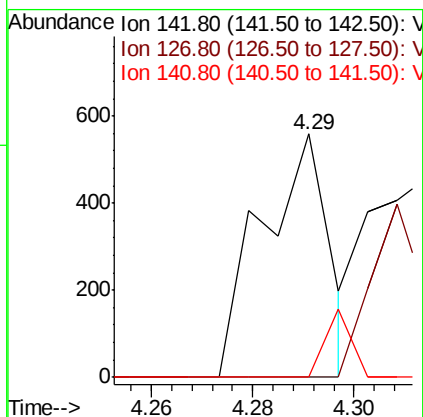
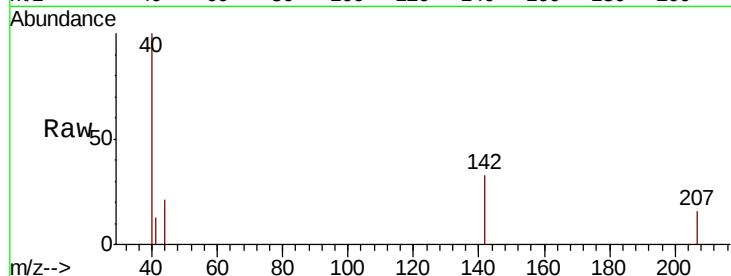




#10  
Methvl Iodide  
Concen: 8.964 ug/l  
RT: 4.29 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

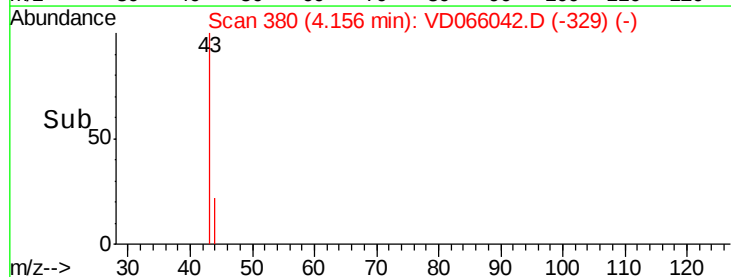
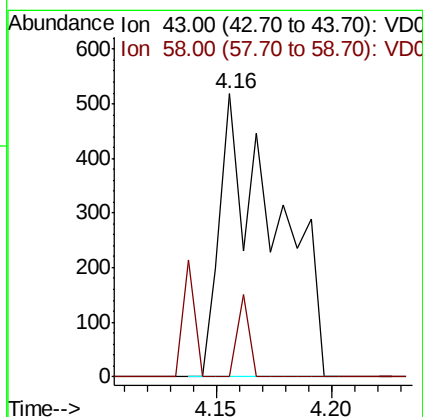
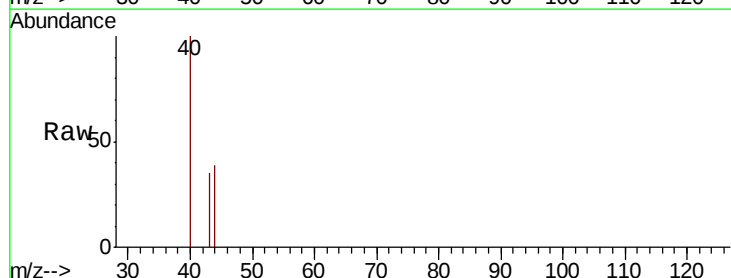
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUCK-BANK

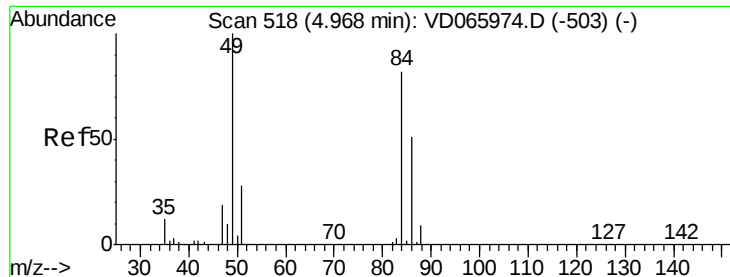
Tot Ion:142 Resp: 516  
Ion Ratio Lower Upper  
142 100  
127 53.9 32.9 49.3#  
141 10.9 11.8 17.6#



#16  
Acetone  
Concen: 1.644 ug/l  
RT: 4.16 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

Tgt Ion: 43 Resp: 867  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.3 39.5#

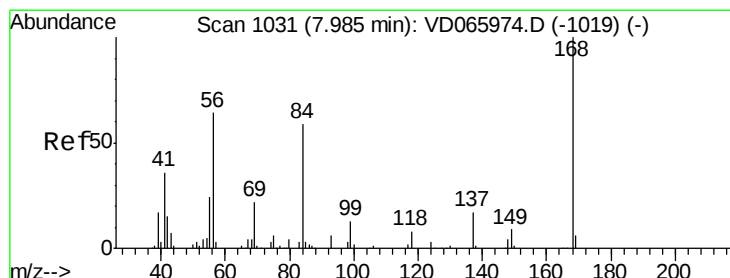
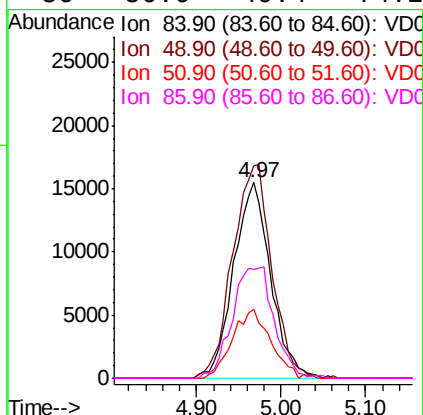
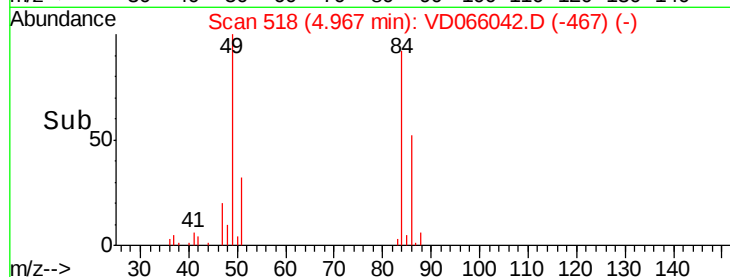
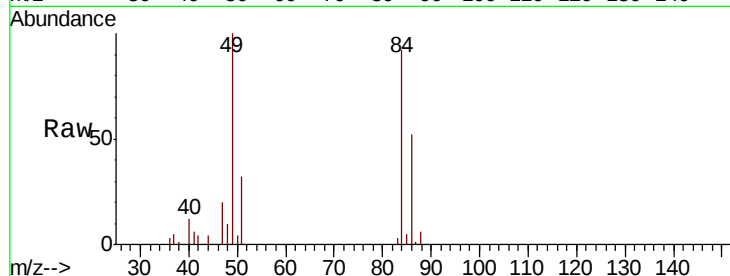




#20  
Methvlene Chloride  
Concen: 13.975 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

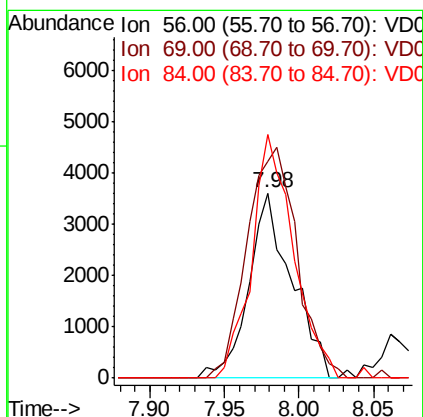
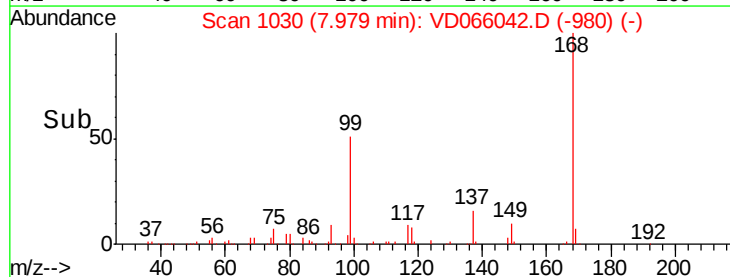
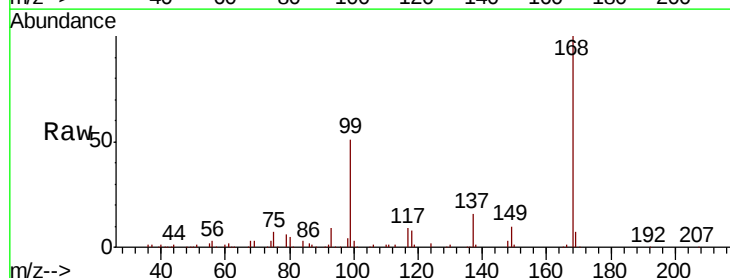
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUCK-BANK

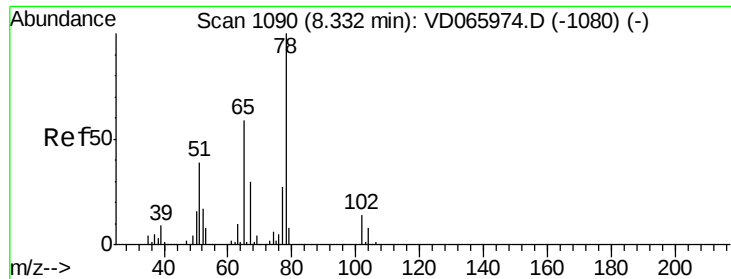
Tot Ion: 84 Resp: 46993  
Ion Ratio Lower Upper  
84 100  
49 108.4 97.7 146.5  
51 35.1 27.4 41.2  
86 56.0 49.4 74.2



#31  
Cyclohexane  
Concen: 1.543 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

Tgt Ion: 56 Resp: 7233  
Ion Ratio Lower Upper  
56 100  
69 117.2 28.0 42.0#  
84 131.7 72.6 109.0#

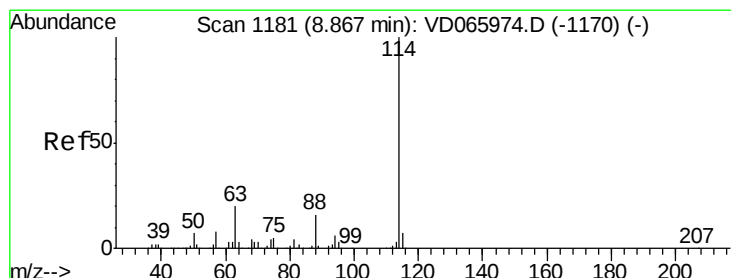
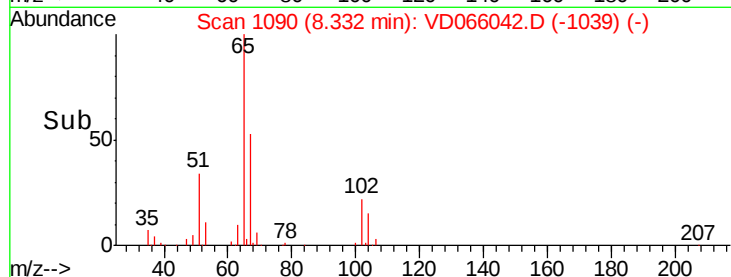
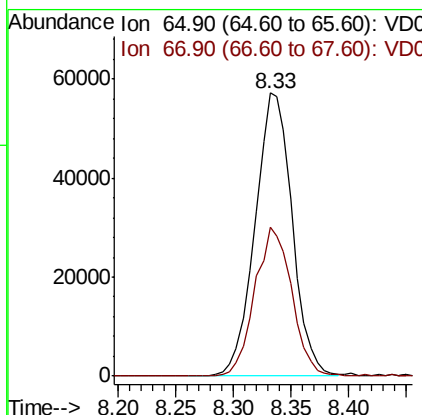
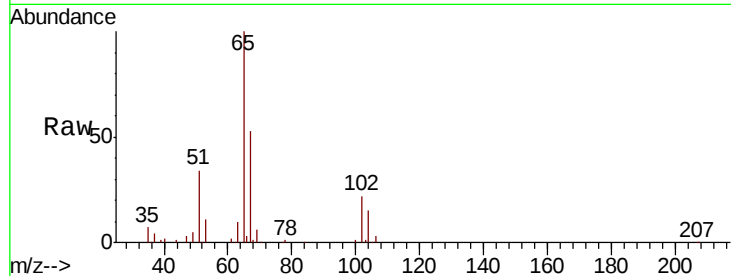




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.084 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.00 min  
 Lab File: VD066042.D  
 Acq: 24 Jul 2020 12:54

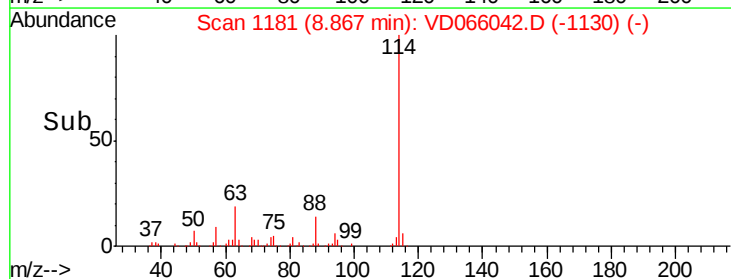
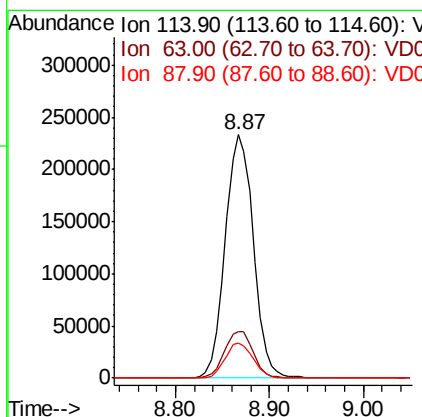
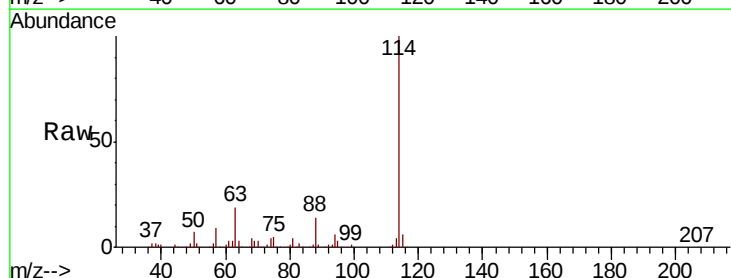
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUCK-BANK

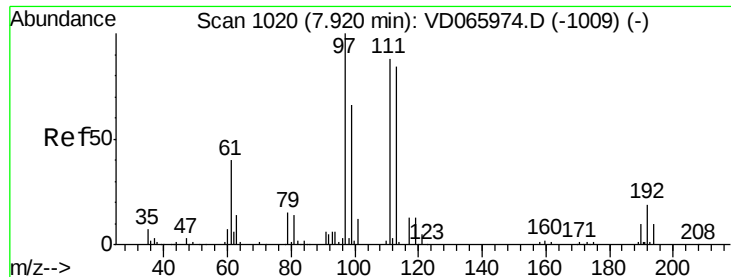
Tot Ion: 65 Resp: 127912  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 105.0



#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

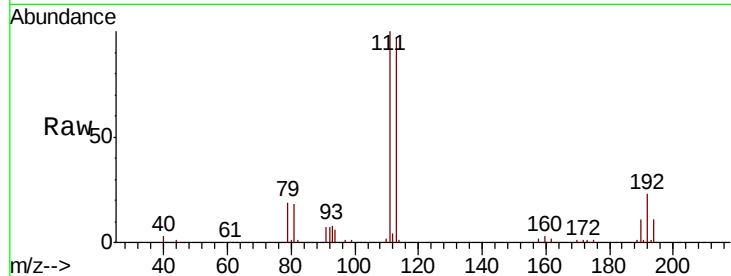




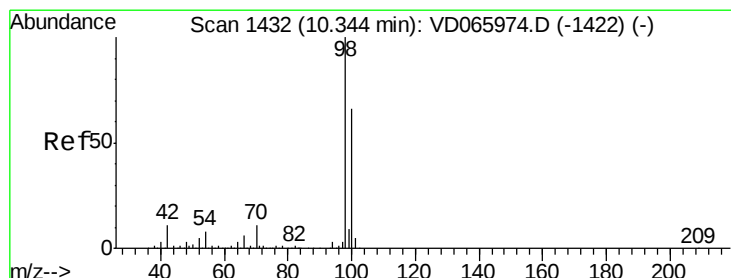
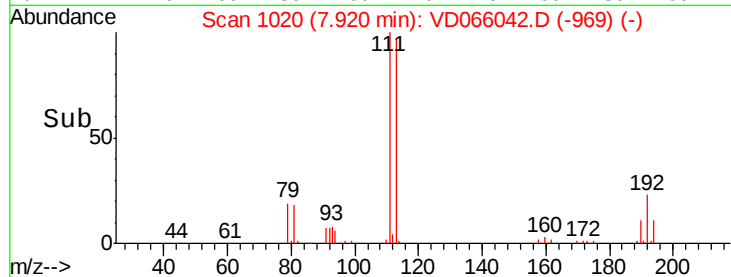
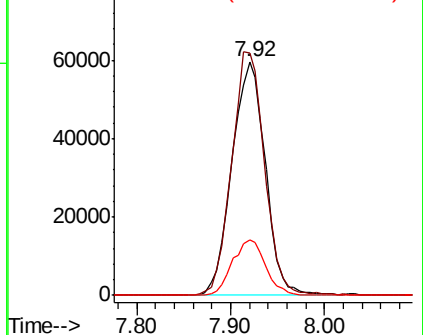
#35  
 Dibromofluoromethane  
 Concen: 49.856 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD066042.D  
 Acq: 24 Jul 2020 12:54

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  |

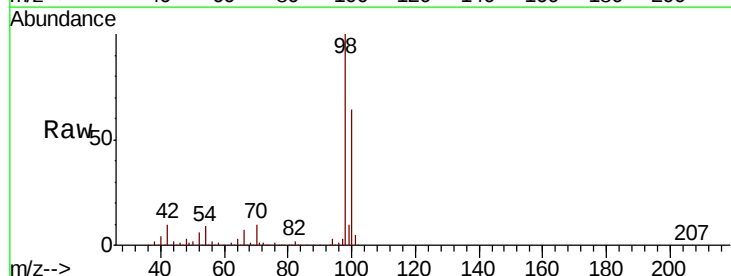


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

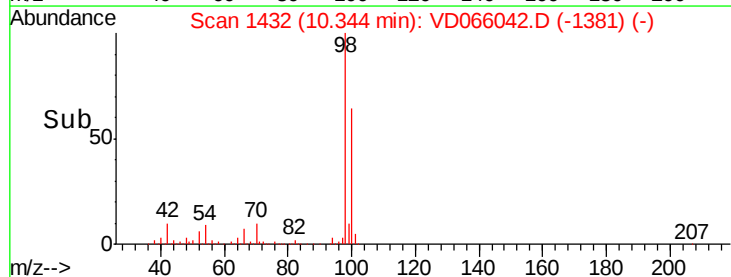
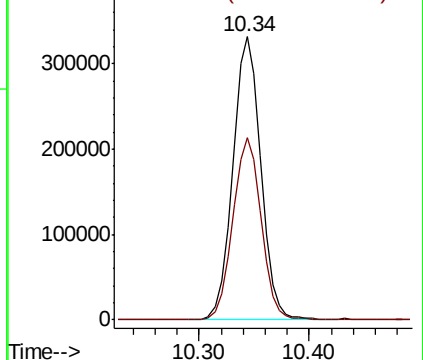


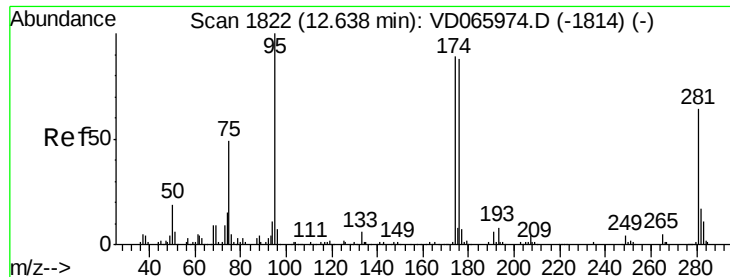
#50  
 Toluene-d8  
 Concen: 53.732 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VD066042.D  
 Acq: 24 Jul 2020 12:54

| 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

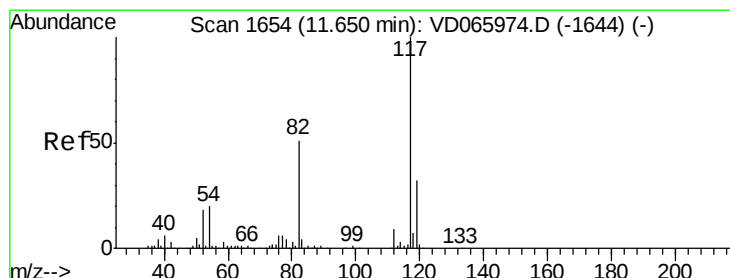
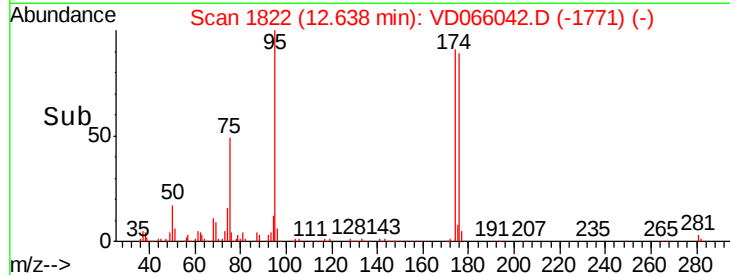
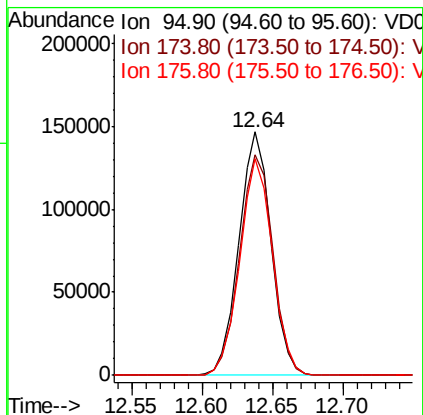
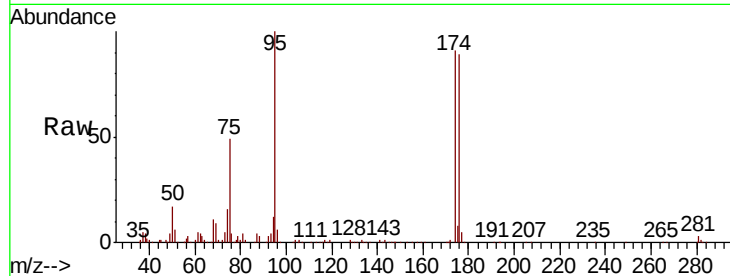




#62  
4-Bromofluorobenzene  
Concen: 61.364 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

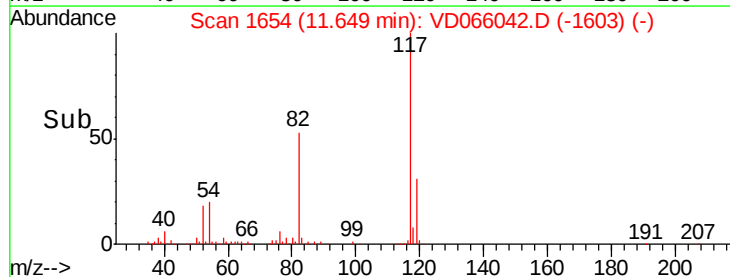
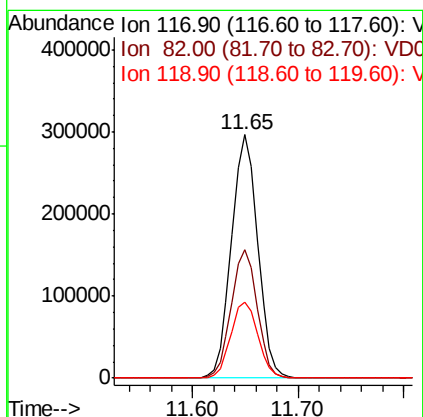
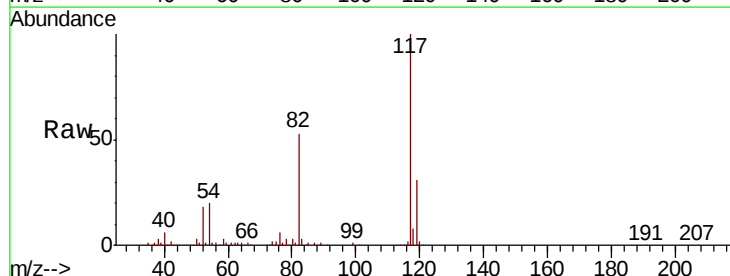
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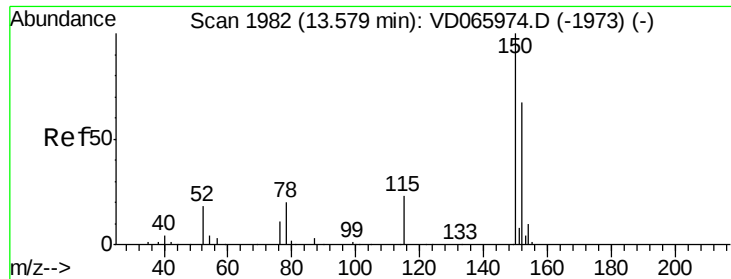
Tot Ion: 95 Resp: 233615  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 178.8  
176 90.6 0.0 172.6



#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

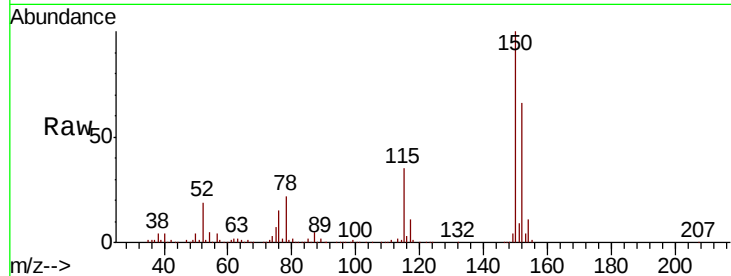
Tot Ion:152 Resp: 269386

Ion Ratio Lower Upper

152 100

115 54.9 27.9 83.7

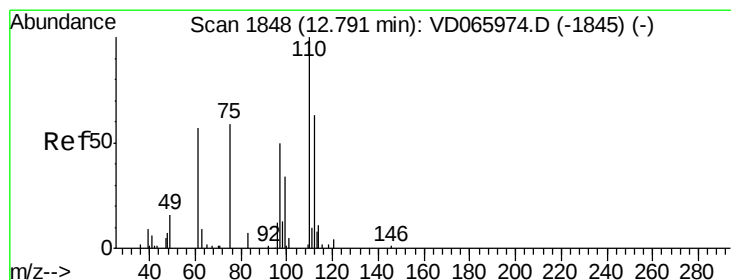
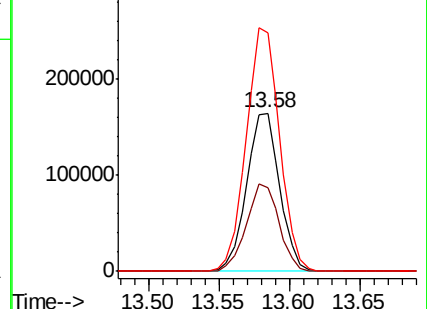
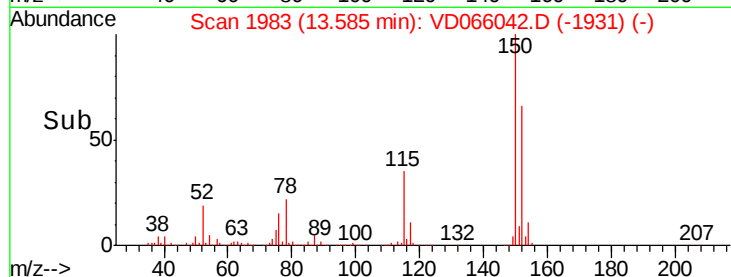
150 156.2 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 56.433 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066042.D

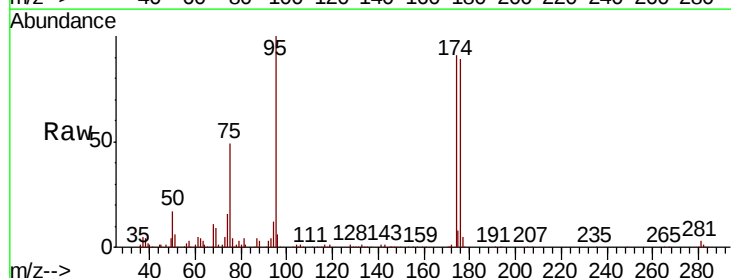
Acq: 24 Jul 2020 12:54

Tgt Ion: 75 Resp: 114466

Ion Ratio Lower Upper

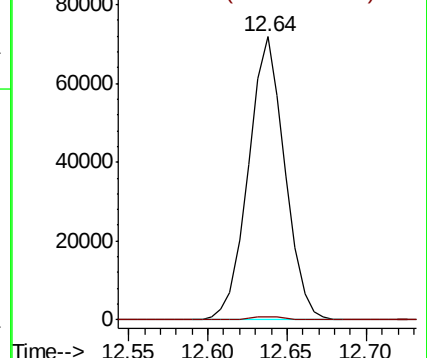
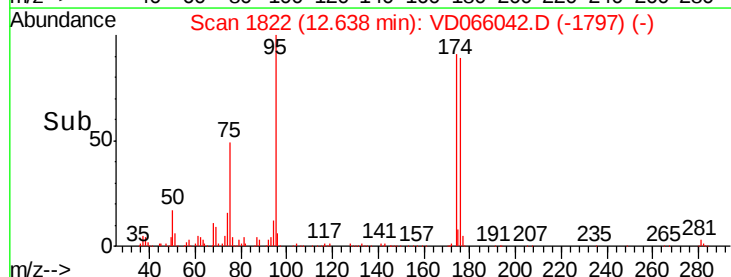
75 100

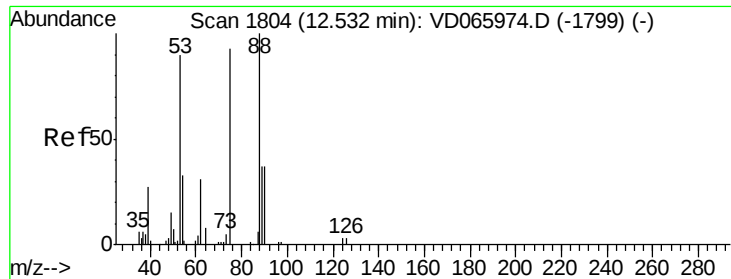
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

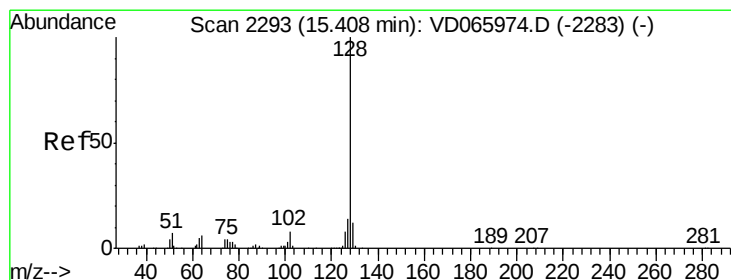
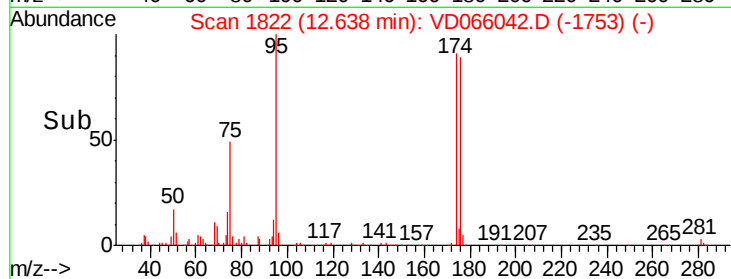
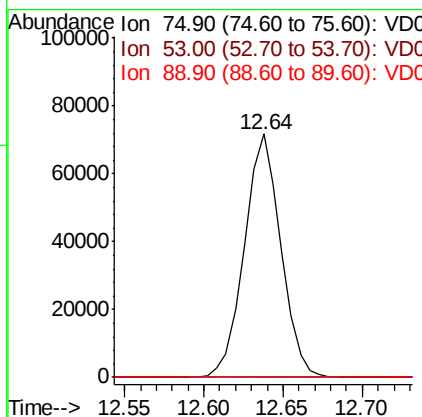
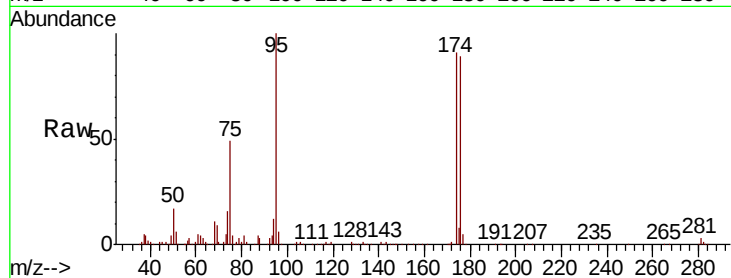




#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.495 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.11 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUCK-BANK

Tot Ion: 75 Resp: 114466  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.8 115.2#  
89 0.0 37.0 55.4#



#95  
Naphthalene  
Concen: 3.791 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. -0.00 min  
Lab File: VD066042.D  
Acq: 24 Jul 2020 12:54

Tgt Ion:128 Resp: 2249  
Ion Ratio Lower Upper  
128 100  
127 5.0 10.8 16.2#  
129 5.2 8.9 13.3#

