

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
 Data File : VD066942.D  
 Acq On : 29 Sep 2020 16:47  
 Operator : VA/SY  
 Sample : L4172-12  
 Misc : 5.08G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-8(9-11)

Quant Time: Sep 30 03:47:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 23 01:34:05 2020  
 Response via : Initial Calibration

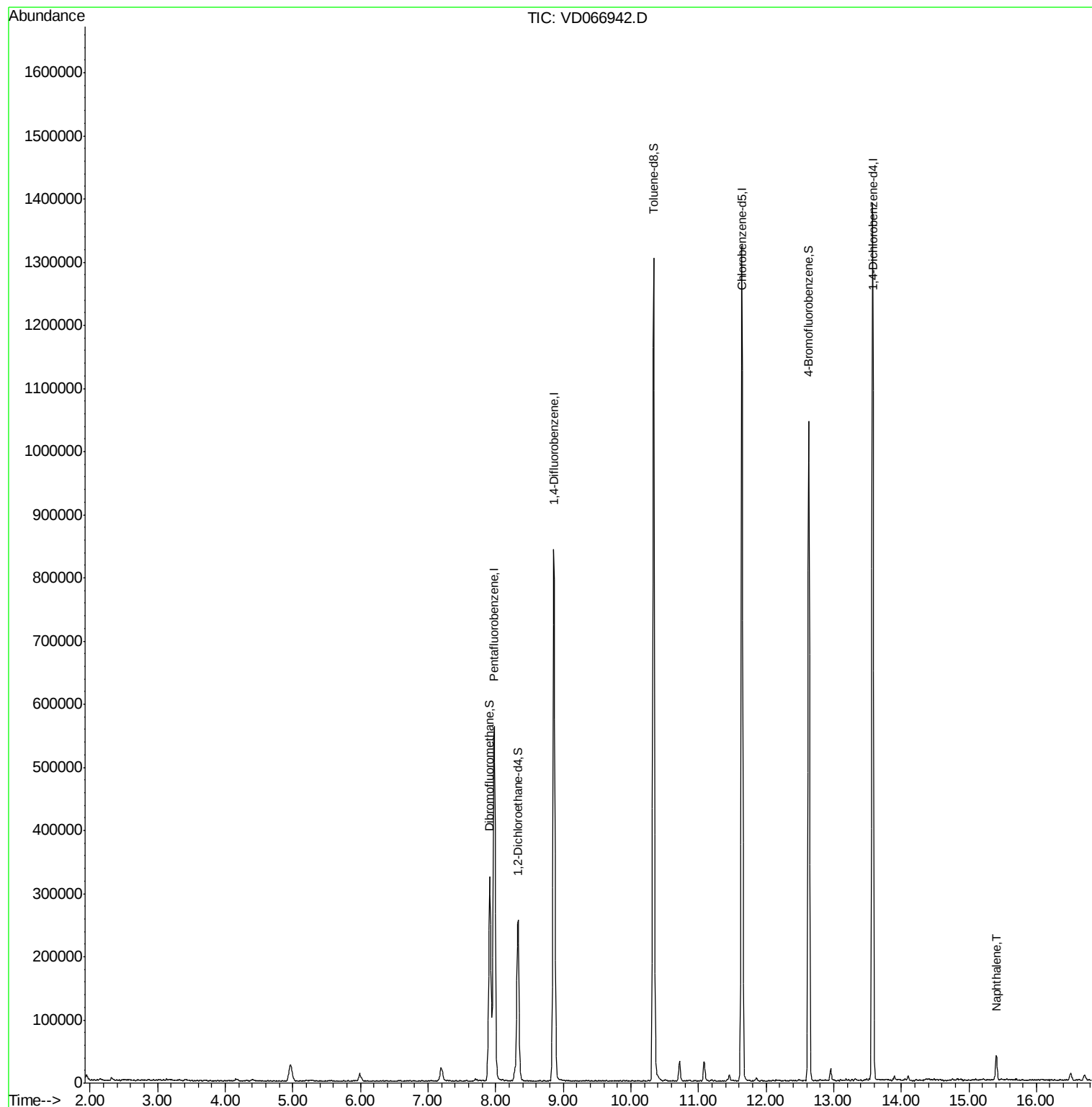
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 418013   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 725505   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 756098   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 367120   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 207384   | 50.69 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.38% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 226481   | 49.07 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.14%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 871221   | 55.40 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.80% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 330336   | 61.36 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 122.72% |           |
| Target Compounds            |       |      |          |       |         |           |
| 95) Naphthalene             | 15.41 | 128  | 35390    | 3.158 | ug/l    | Qvalue 96 |

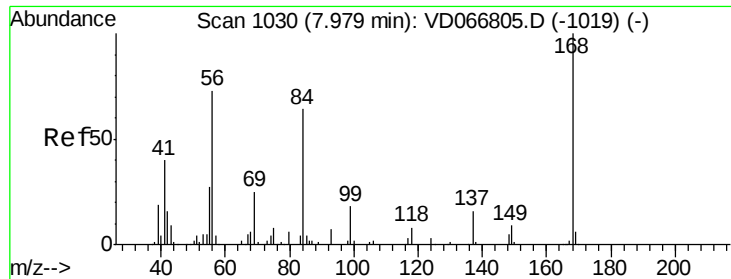
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-8(9-11)

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Quant Title : SW846 8260  
QLast Update : Wed Sep 23 01:34:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA\_D

ClientSampleId :

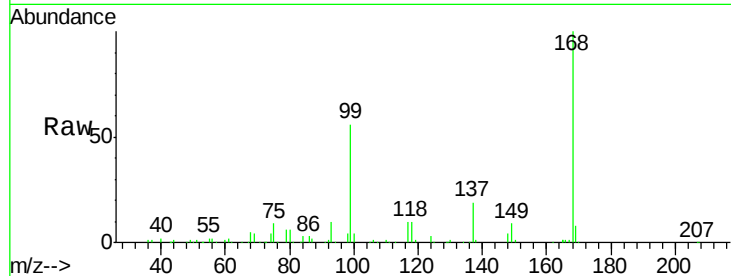
B-8(9-11)

Tot Ion:168 Resp: 418013

Ion Ratio Lower Upper

168 100

99 56.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

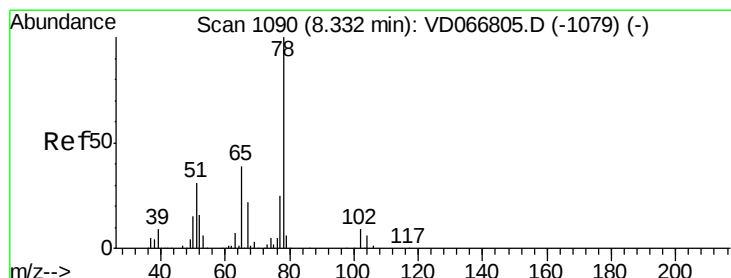
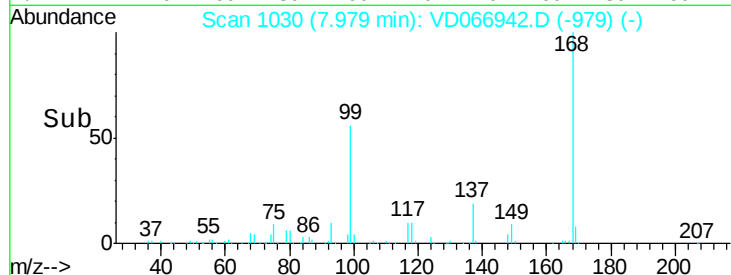
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.689 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066942.D

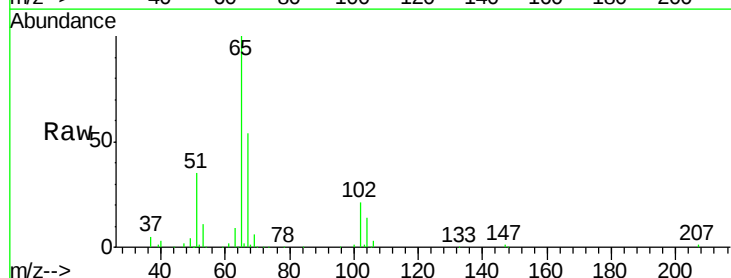
Acq: 29 Sep 2020 16:47

Tgt Ion: 65 Resp: 207384

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

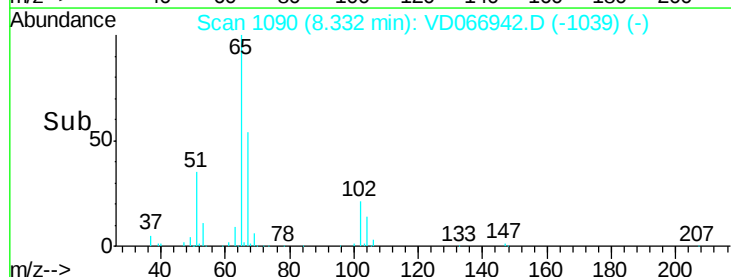
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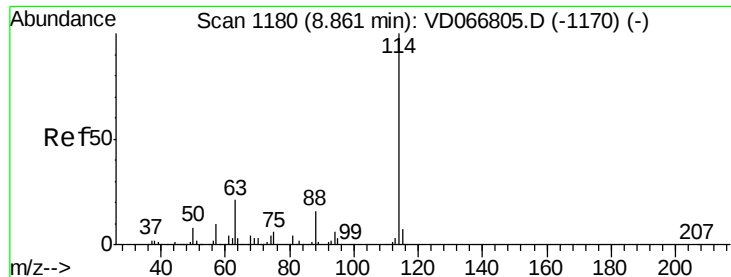
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20000

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Time-->

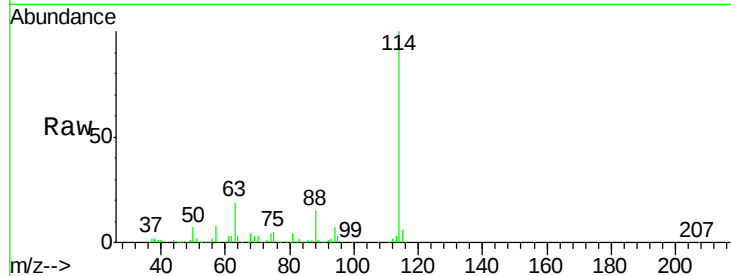




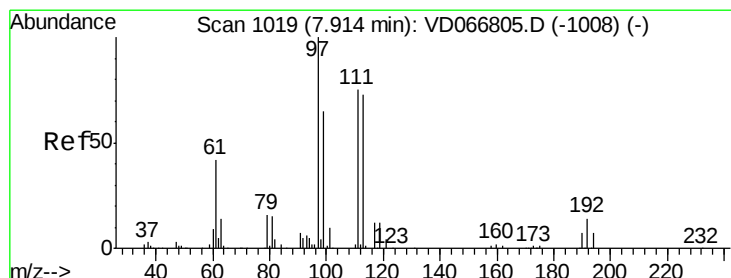
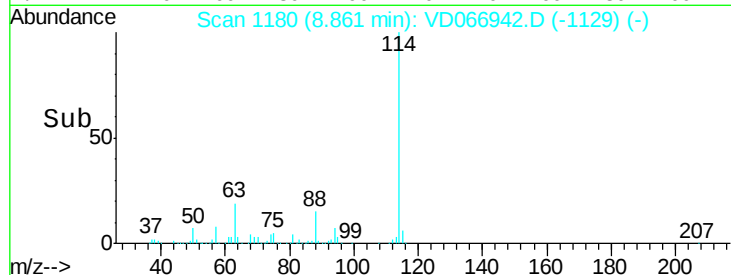
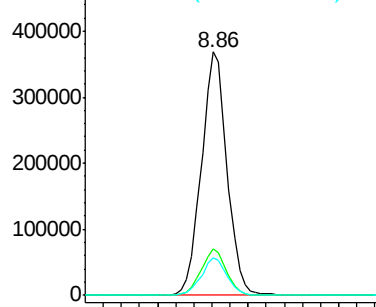
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066942.D  
 Acq: 29 Sep 2020 16:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-8(9-11)

|             |       |        |
|-------------|-------|--------|
| Tot Ion:114 | Resp: | 725505 |
| Ion Ratio   | Lower | Upper  |
| 114 100     |       |        |
| 63 18.9     | 0.0   | 42.6   |
| 88 15.2     | 0.0   | 32.6   |

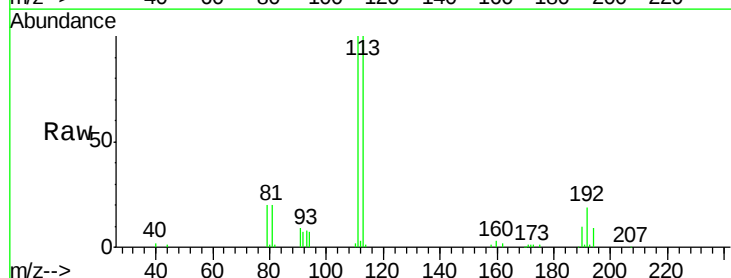


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

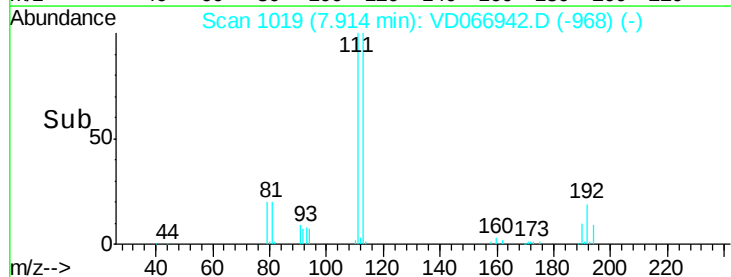
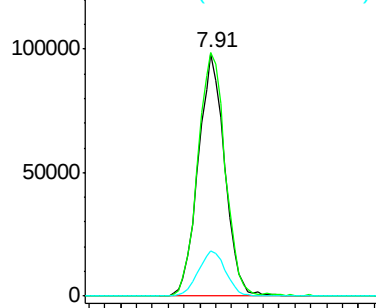


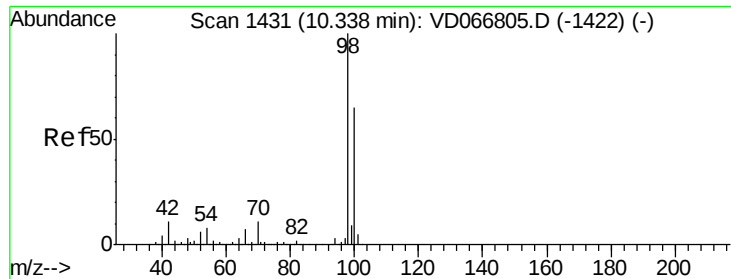
#35  
 Dibromofluoromethane  
 Concen: 49.068 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: VD066942.D  
 Acq: 29 Sep 2020 16:47

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:113 | Resp: | 226481 |
| Ion Ratio   | Lower | Upper  |
| 113 100     |       |        |
| 111 104.3   | 81.8  | 122.8  |
| 192 19.2    | 14.4  | 21.6   |



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

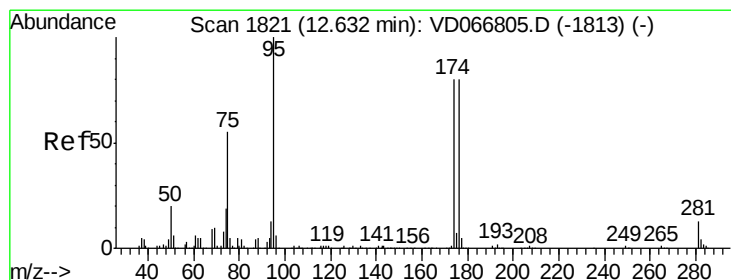
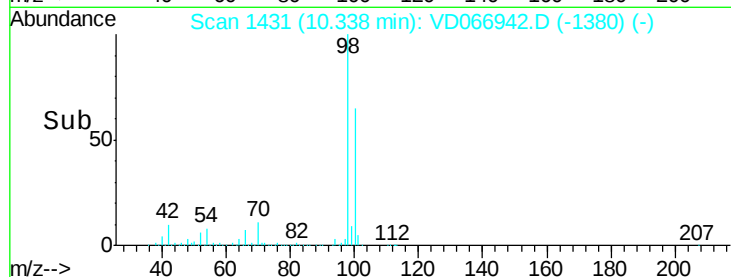
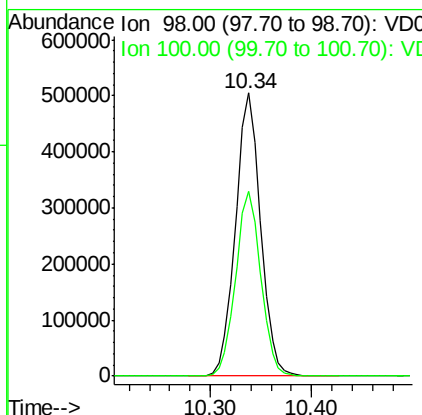
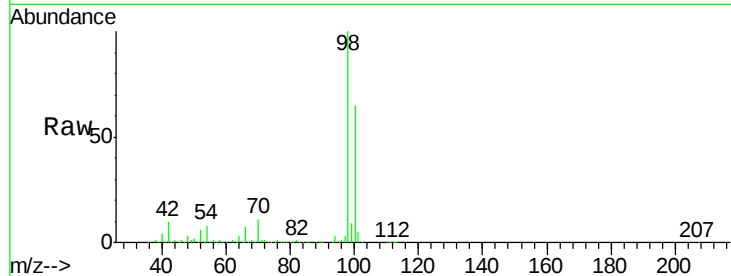




#50  
Toluene-d8  
Concen: 55.399 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD066942.D  
Acq: 29 Sep 2020 16:47

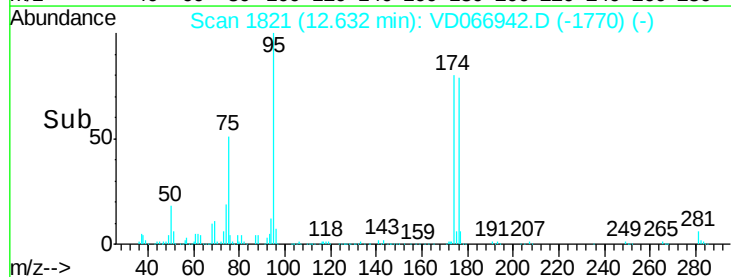
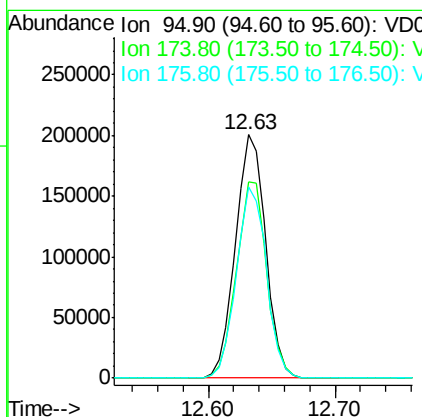
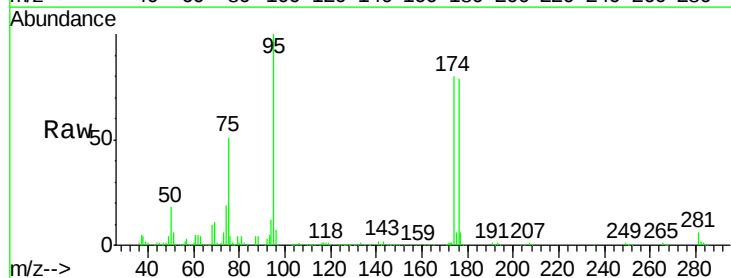
Instrument :  
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B-8(9-11)

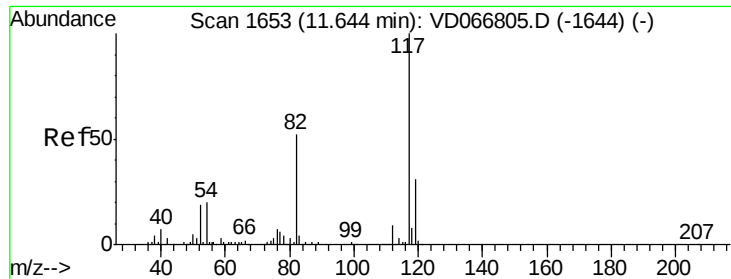
Tot Ion: 98 Resp: 871221  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 61.359 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VD066942.D  
Acq: 29 Sep 2020 16:47

Tgt Ion: 95 Resp: 330336  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 159.8  
176 78.2 0.0 154.4

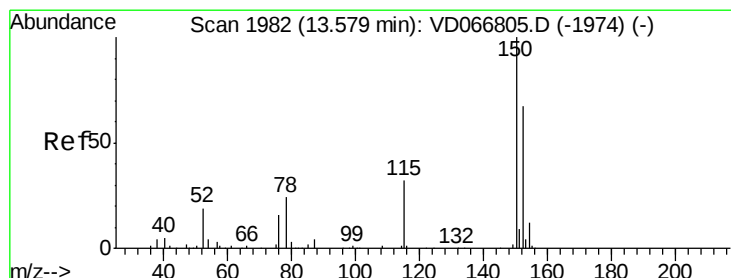
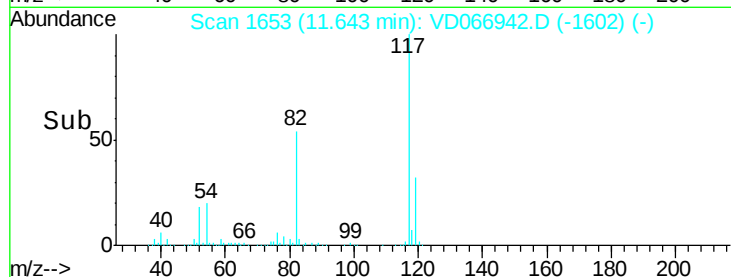
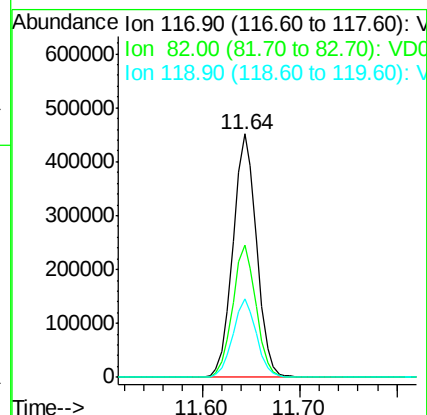
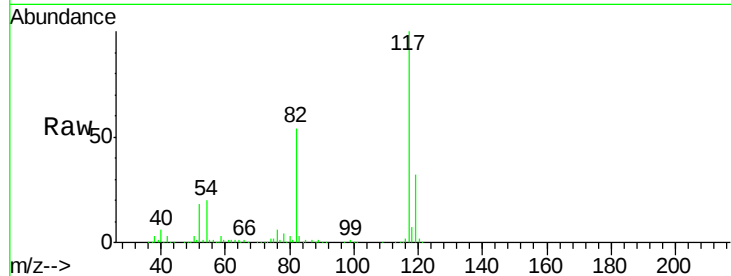




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066942.D  
Acq: 29 Sep 2020 16:47

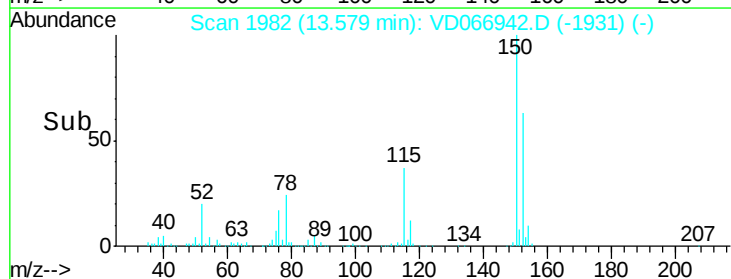
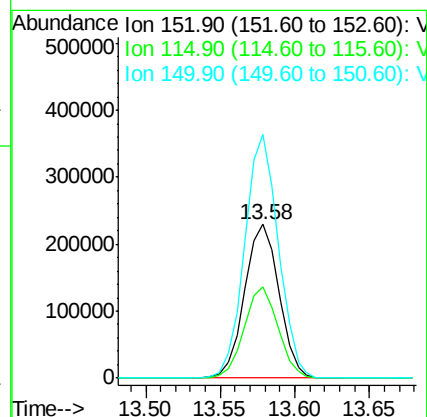
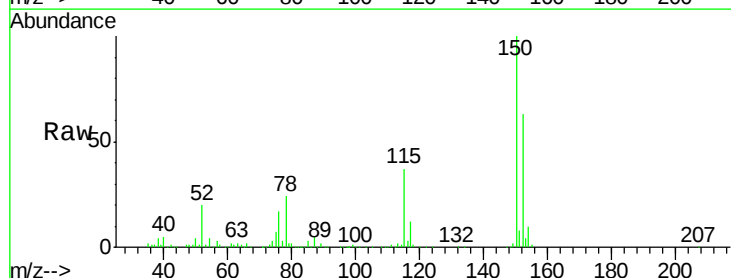
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-8(9-11)

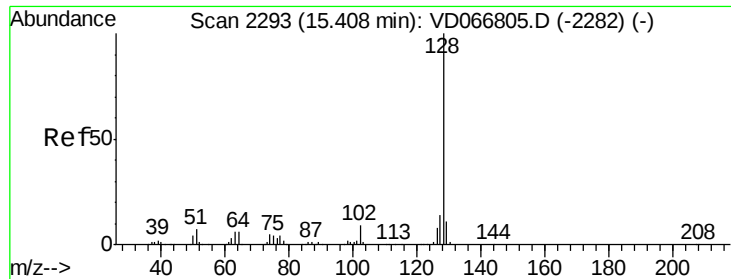
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.2  | 41.8  | 62.6  |
| 119     | 32.2  | 24.6  | 37.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066942.D  
Acq: 29 Sep 2020 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.2  | 30.3  | 91.0  |
| 150     | 154.9 | 0.0   | 346.2 |





#95

Naphthalene

Concen: 3.158 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA\_D

ClientSampleId :

B-8(9-11)

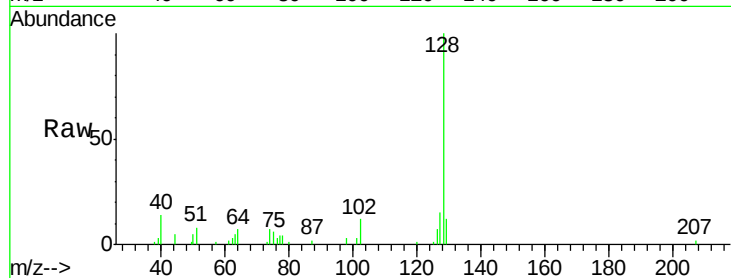
Tot Ion:128 Resp: 35390

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

129 12.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

