

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\  
 Data File : VD066389.D  
 Acq On : 24 Aug 2020 18:58  
 Operator : VA/SY  
 Sample : L3786-03  
 Misc : 6.61G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 619-047

Quant Time: Aug 25 05:05:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 13:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 240182   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 365409   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 341207   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 152984   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 125101   | 53.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.26% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 116576   | 51.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.04% |      |
| 50) Toluene-d8              | 10.33  | 98  | 438809   | 52.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.98% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 150977   | 50.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.78% |      |

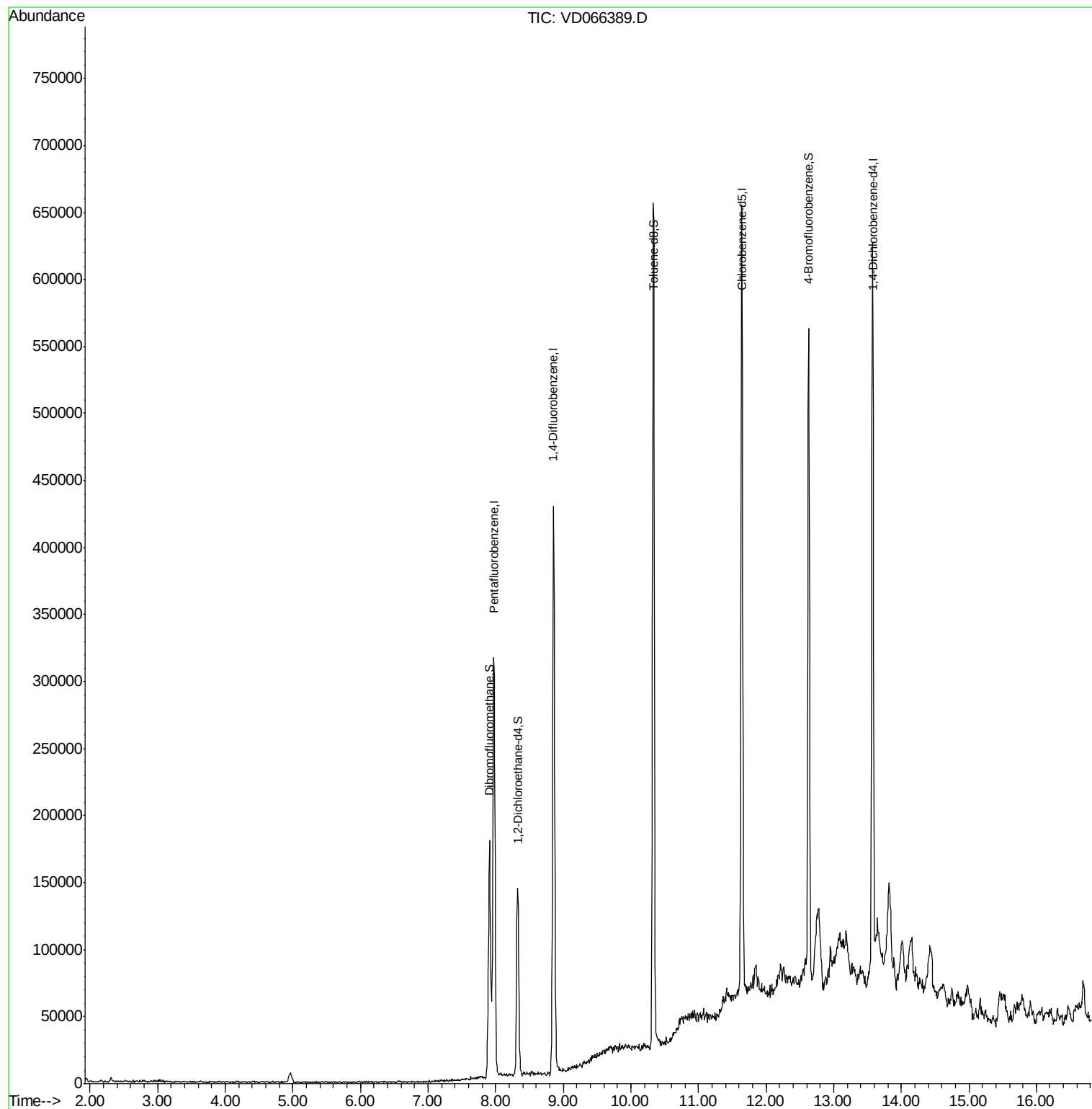
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

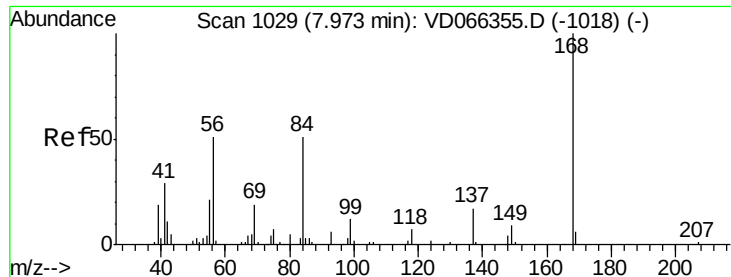
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 13:36:12 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Instrument :

MSVOA\_D

ClientSampleId :

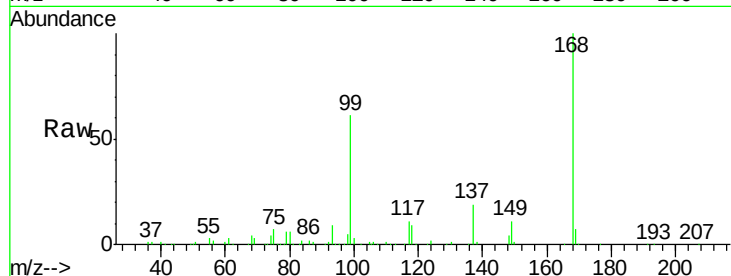
619-047

Tot Ion:168 Resp: 240182

Ion Ratio Lower Upper

168 100

99 60.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

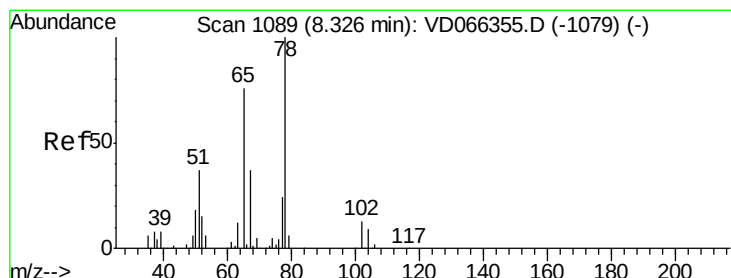
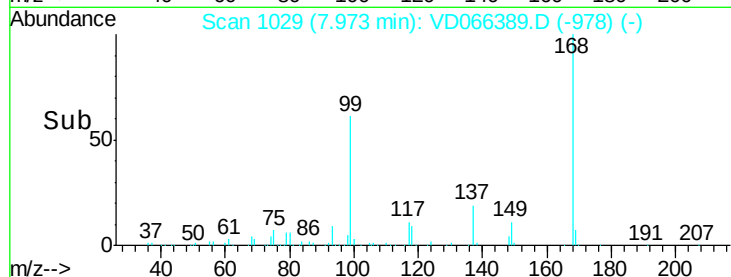
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.127 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066389.D

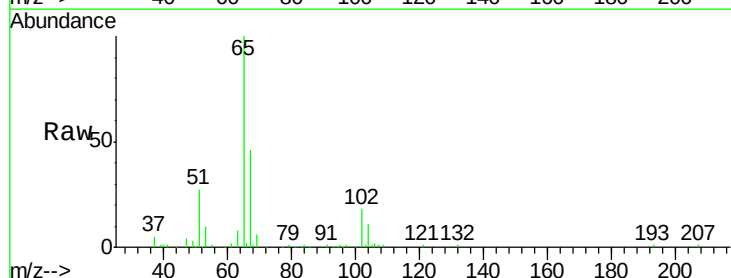
Acq: 24 Aug 2020 18:58

Tgt Ion: 65 Resp: 125101

Ion Ratio Lower Upper

65 100

67 47.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

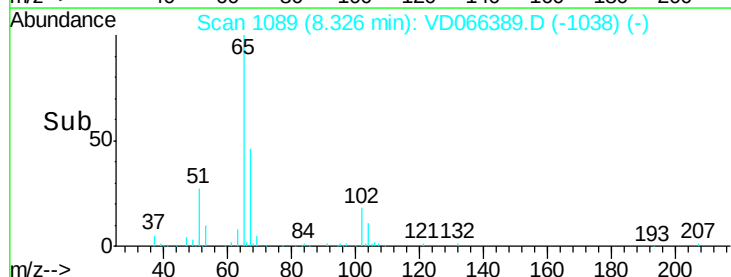
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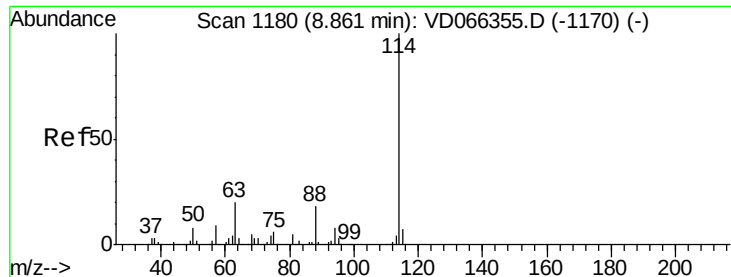
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10000

0

Time-->

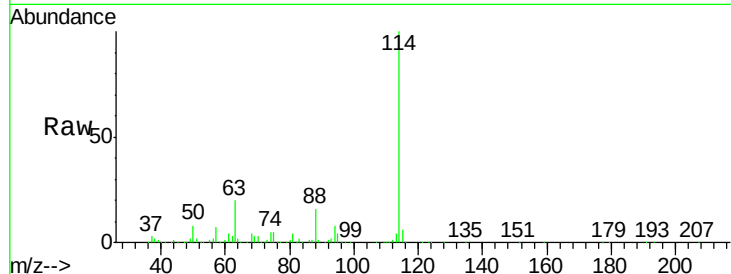




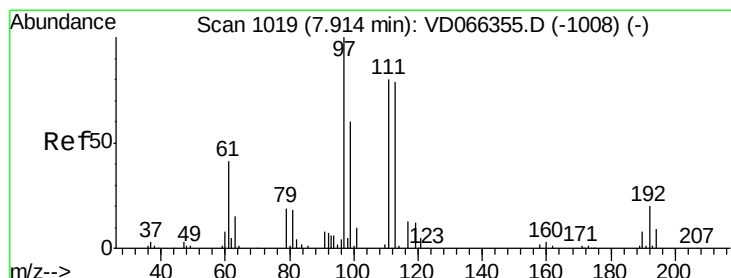
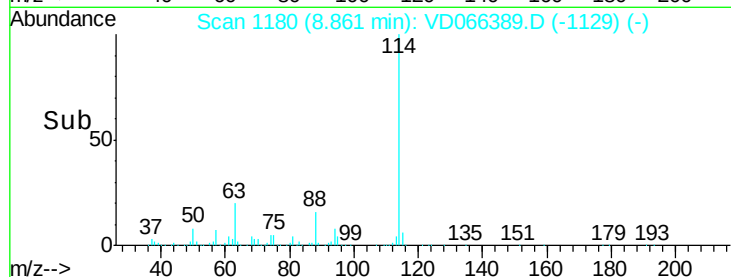
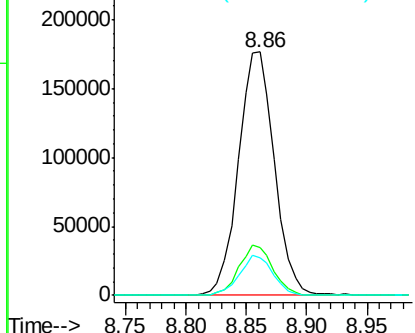
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066389.D  
 Acq: 24 Aug 2020 18:58

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 619-047

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.8  | 0.0   | 40.8  |
| 88      | 15.6  | 0.0   | 35.4  |

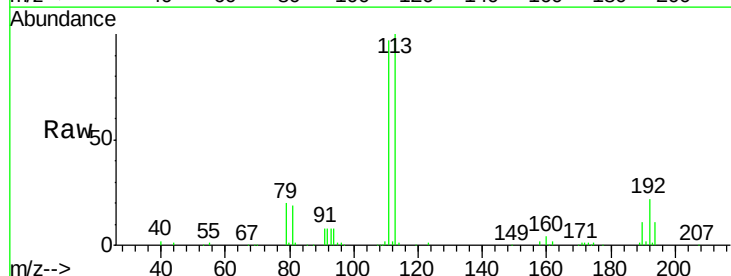


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VDC  
 Ion 87.90 (87.60 to 88.60): VDC

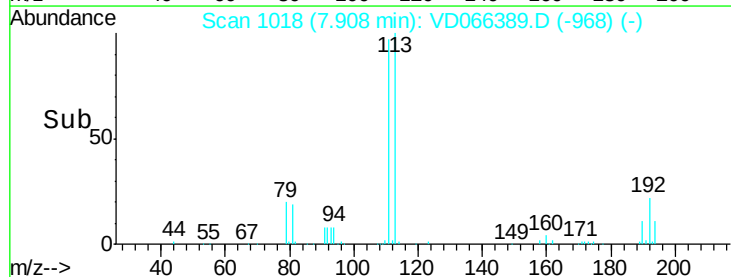
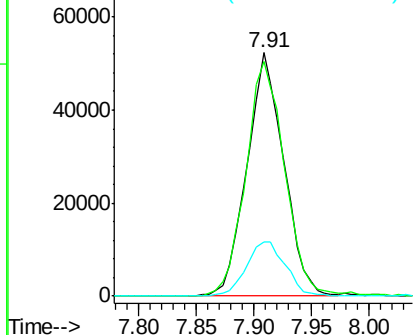


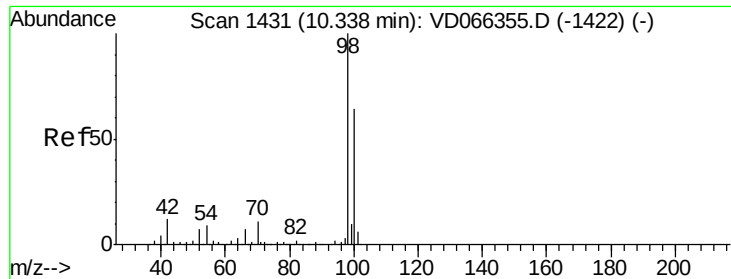
#35  
 Dibromofluoromethane  
 Concen: 51.019 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: VD066389.D  
 Acq: 24 Aug 2020 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.0 | 80.3  | 120.5 |
| 192     | 23.6  | 19.0  | 28.6  |



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

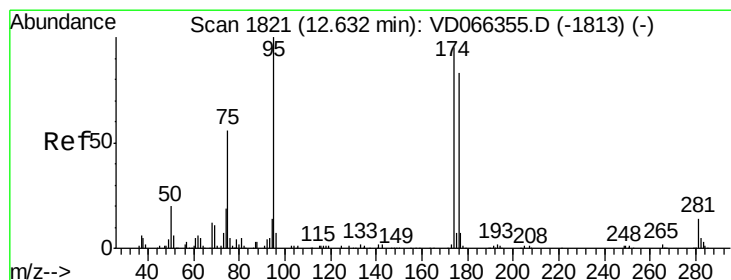
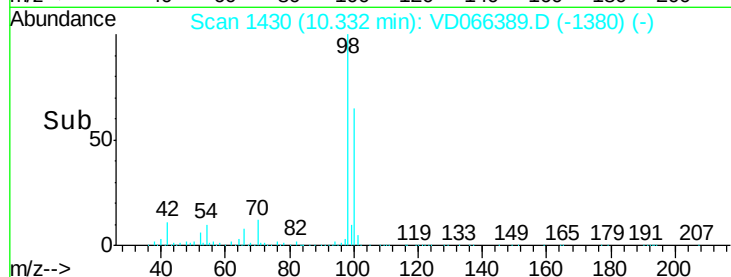
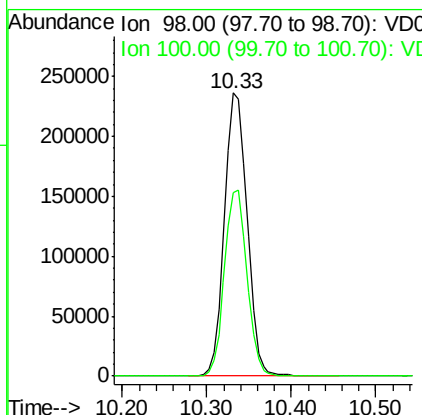
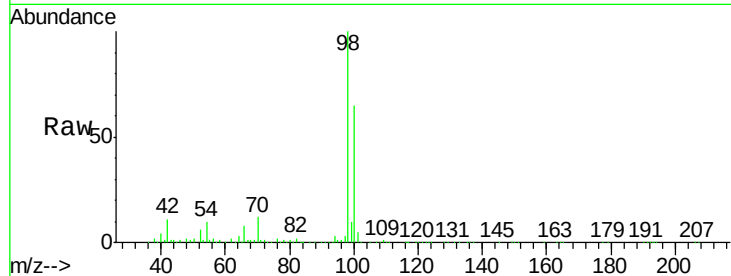




#50  
Toluene-d8  
Concen: 52.487 ug/l  
RT: 10.33 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: VD066389.D  
Acq: 24 Aug 2020 18:58

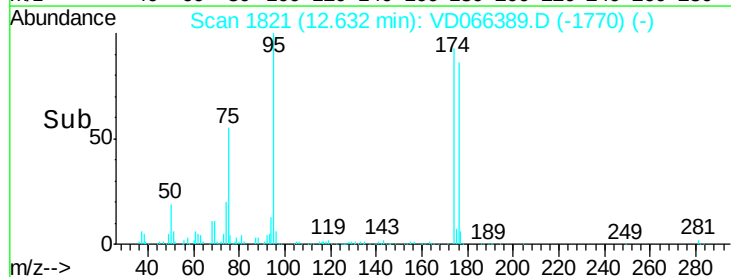
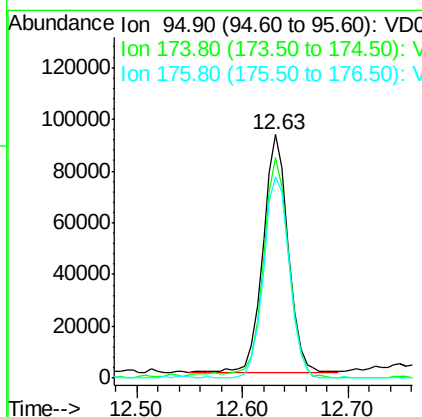
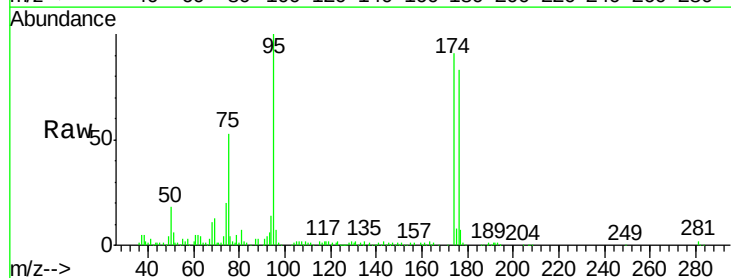
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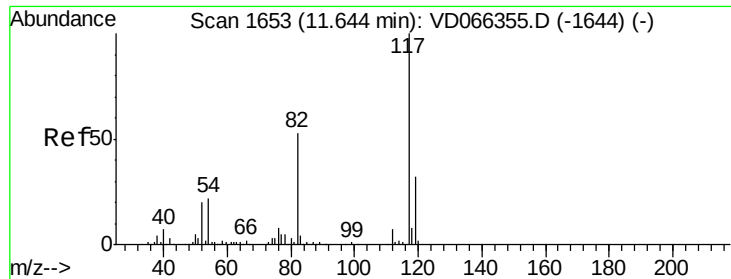
Tot Ion: 98 Resp: 438809  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 50.893 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VD066389.D  
Acq: 24 Aug 2020 18:58

Tgt Ion: 95 Resp: 150977  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 183.4  
176 87.7 0.0 173.8

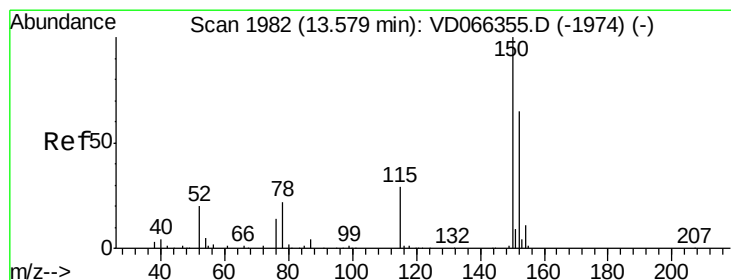
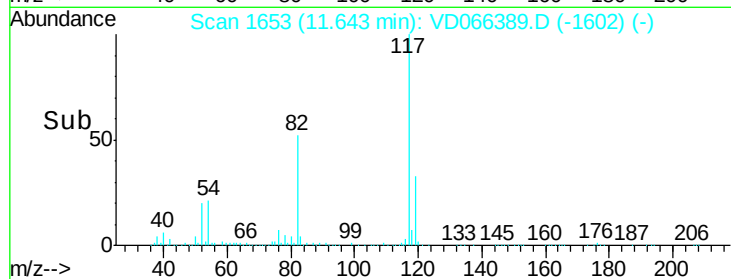
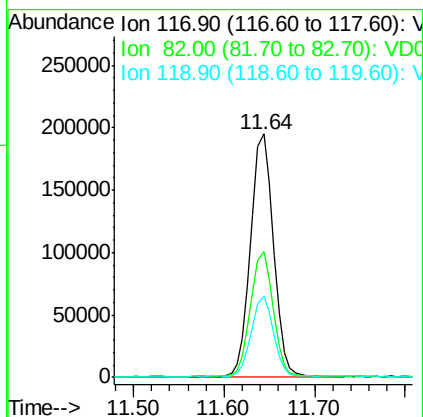
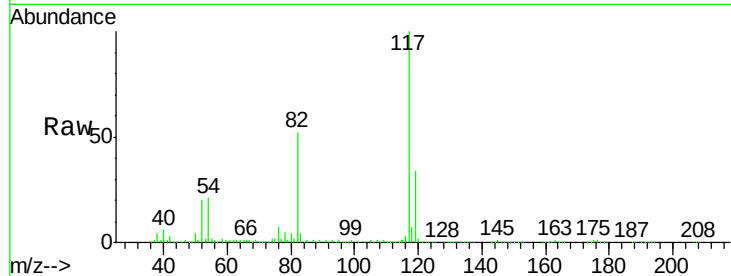




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066389.D  
Acq: 24 Aug 2020 18:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
619-047

Tot Ion:117 Resp: 341207  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.8 64.2  
119 33.3 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066389.D  
Acq: 24 Aug 2020 18:58

Tgt Ion:152 Resp: 152984  
Ion Ratio Lower Upper  
152 100  
115 58.9 28.3 85.0  
150 158.5 0.0 343.2

