

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\  
 Data File : VD066435.D  
 Acq On : 27 Aug 2020 14:29  
 Operator : VA/SY  
 Sample : L3806-02  
 Misc : 10.33G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-14A-S2

Quant Time: Aug 27 18:11:13 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  | 195547   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 276488   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 256715   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 131214   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 107328   | 55.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.96% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 86646    | 50.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.24% |      |
| 50) Toluene-d8              | 10.34  | 98  | 317120   | 50.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.26% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 112395   | 50.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.14% |      |

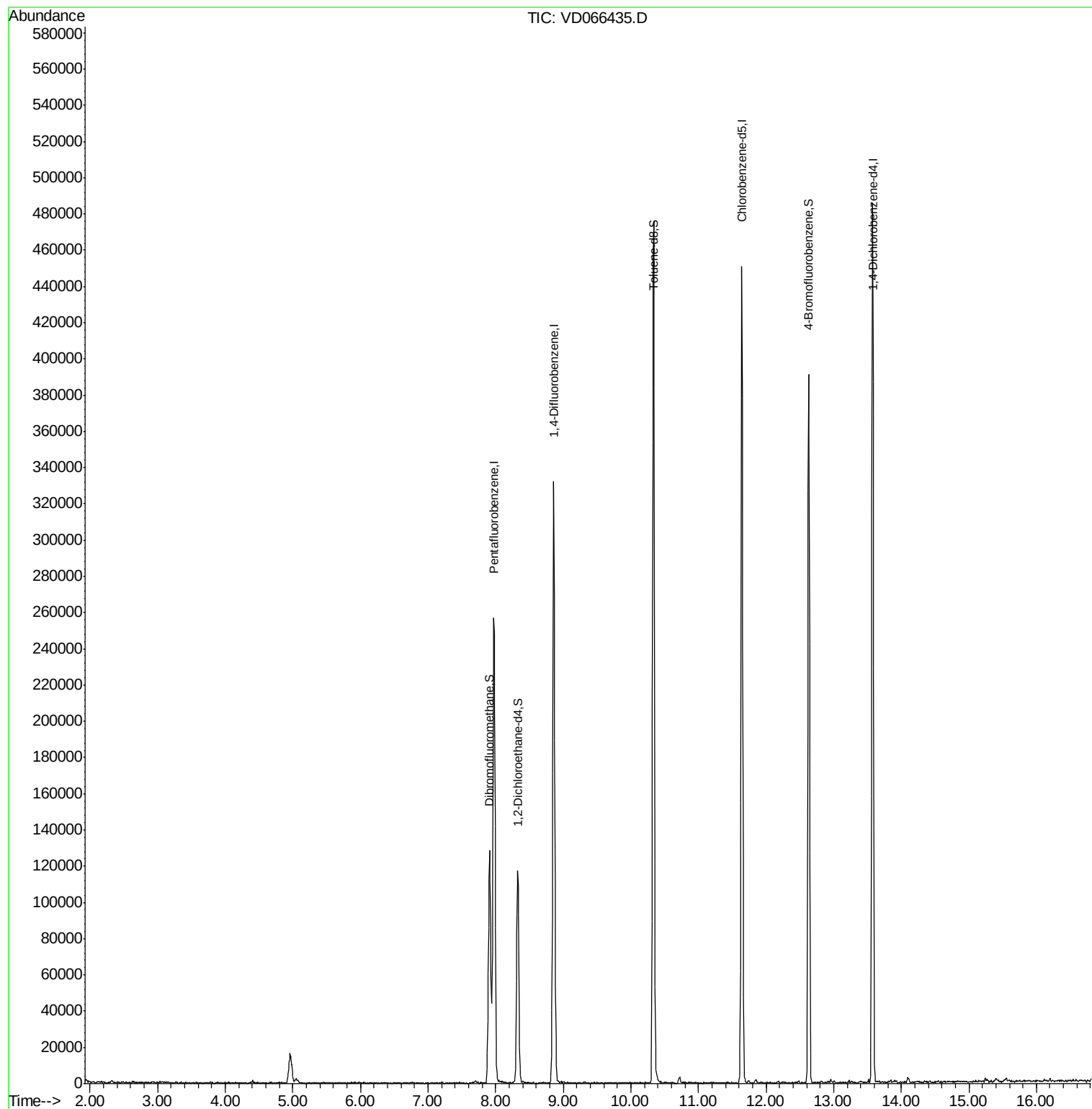
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

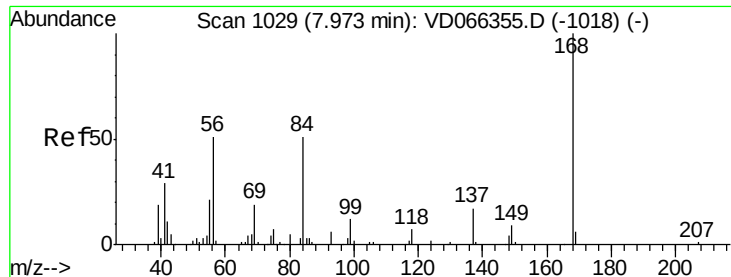
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-14A-S2

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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: VD066435.D

Acq: 27 Aug 2020 14:29

Instrument :

MSVOA\_D

ClientSampleId :

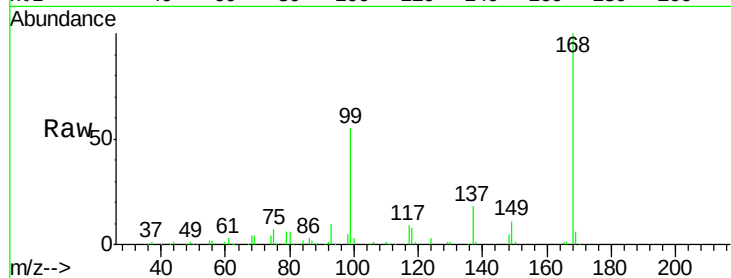
TP-14A-S2

Tot Ion:168 Resp: 195547

Ion Ratio Lower Upper

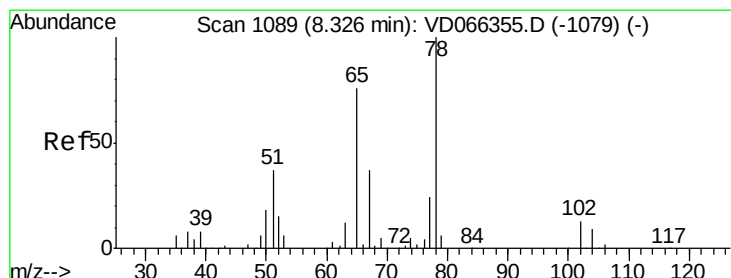
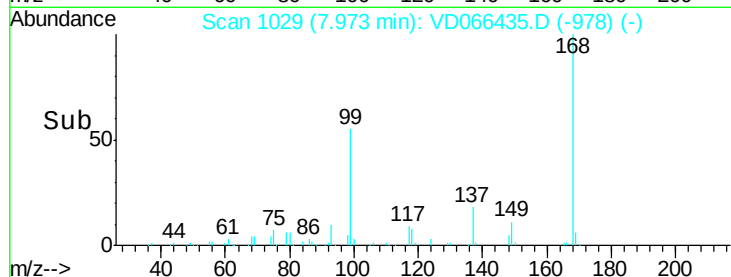
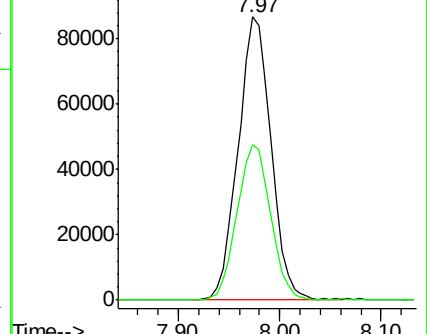
168 100

99 54.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.984 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066435.D

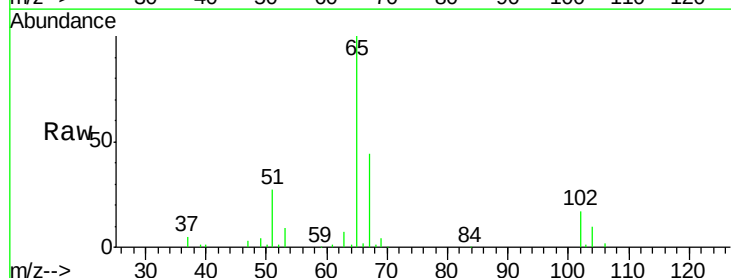
Acq: 27 Aug 2020 14:29

Tgt Ion: 65 Resp: 107328

Ion Ratio Lower Upper

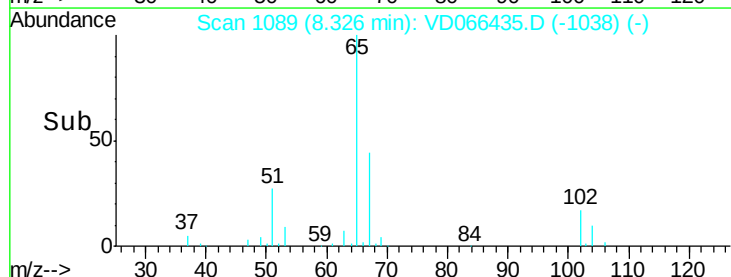
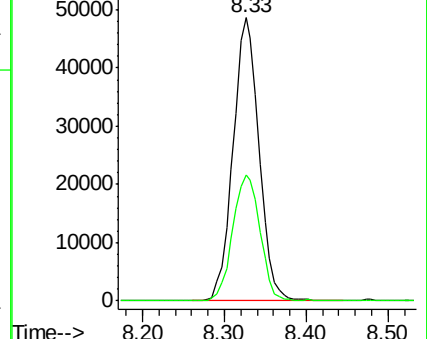
65 100

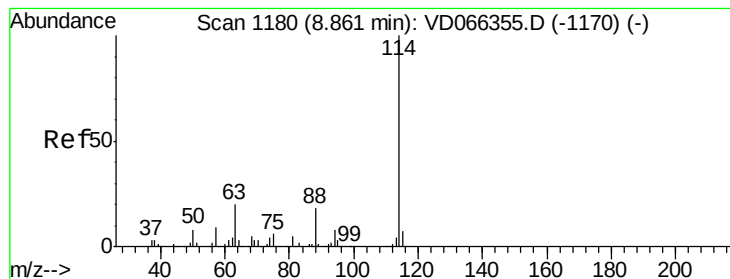
67 46.6 0.0 101.6



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066435.D

Acq: 27 Aug 2020 14:29

Instrument :

MSVOA\_D

ClientSampleId :

TP-14A-S2

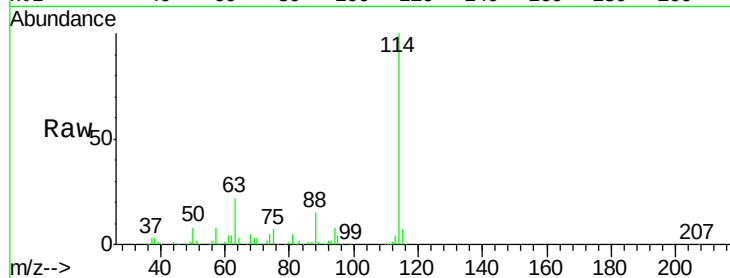
Tot Ion:114 Resp: 276488

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

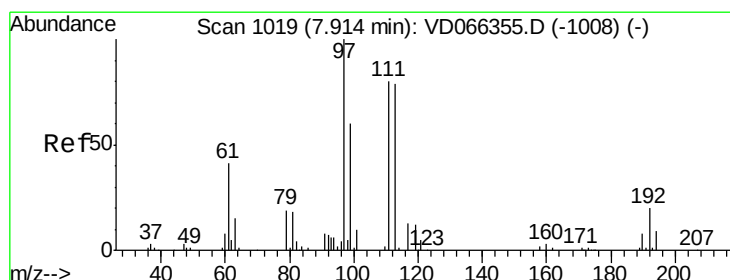
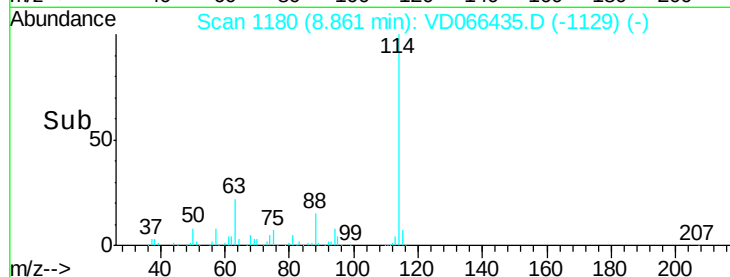
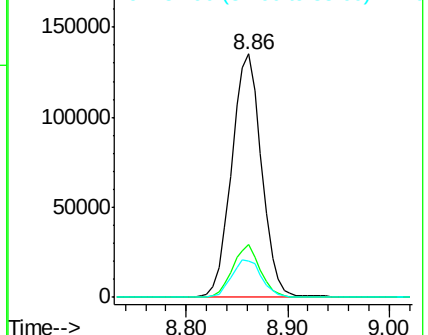
88 15.1 0.0 35.4



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: 50.116 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066435.D

Acq: 27 Aug 2020 14:29

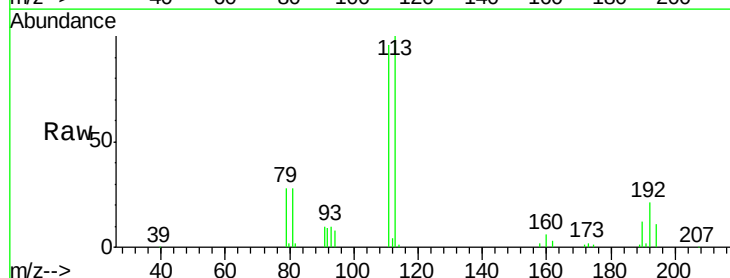
Tgt Ion:113 Resp: 86646

Ion Ratio Lower Upper

113 100

111 101.6 80.3 120.5

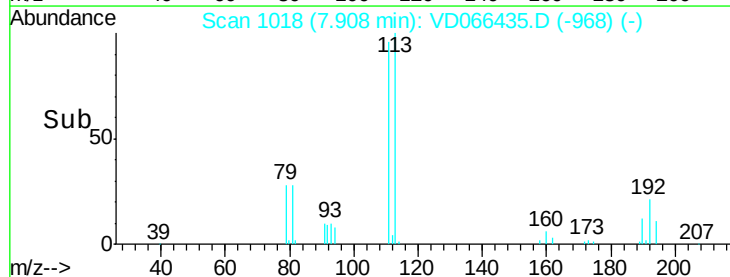
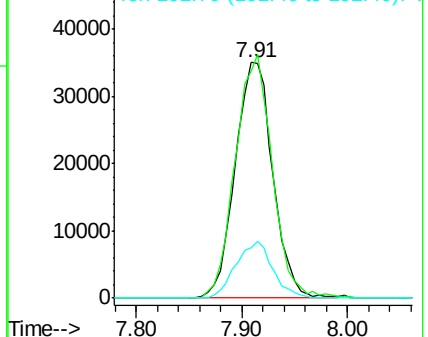
192 23.4 19.0 28.6

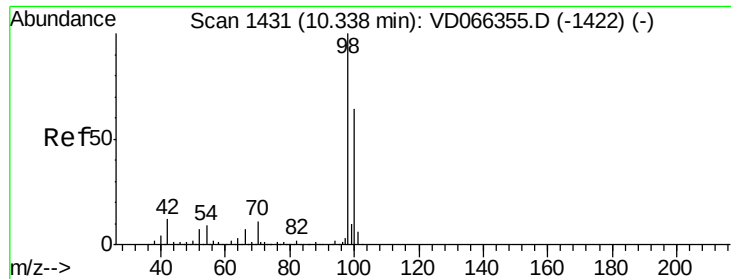


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

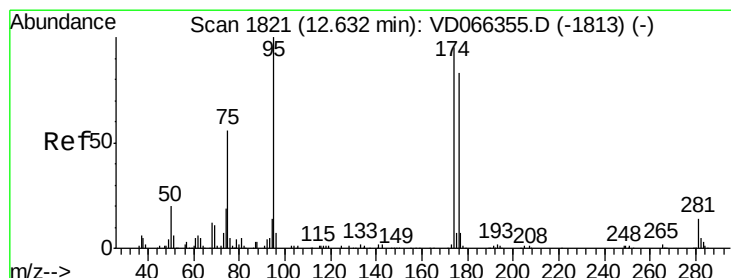
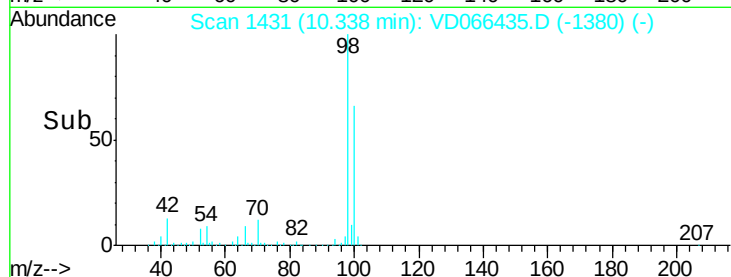
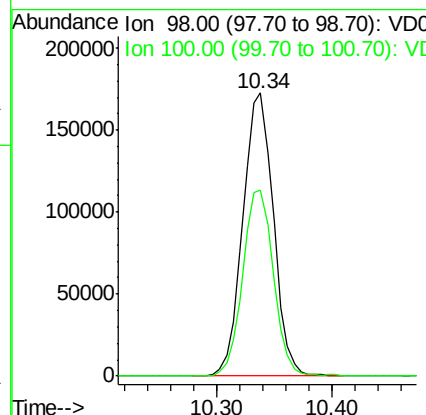
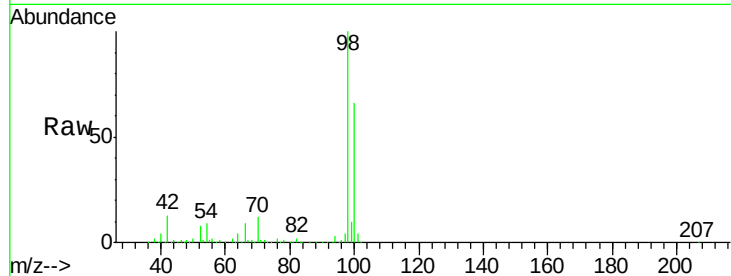




#50  
Toluene-d8  
Concen: 50.131 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD066435.D  
Acq: 27 Aug 2020 14:29

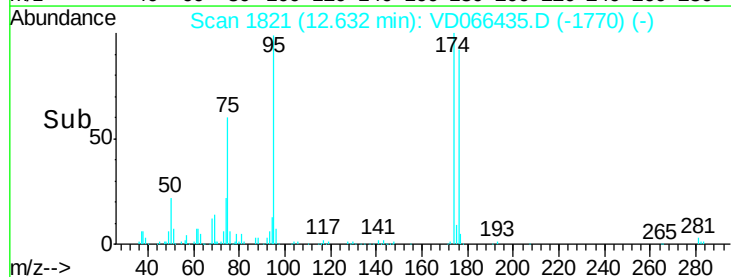
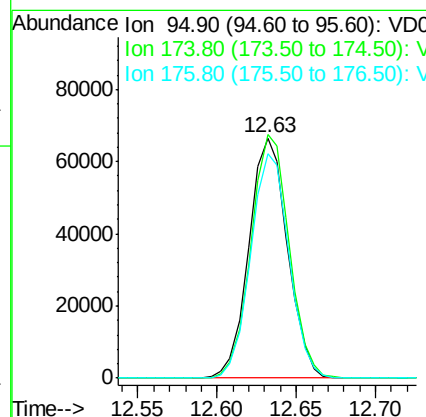
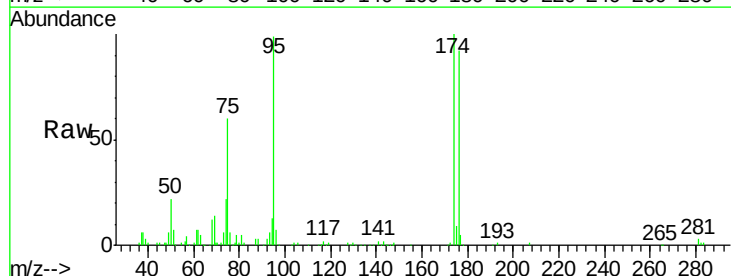
Instrument :  
MSVOA\_D  
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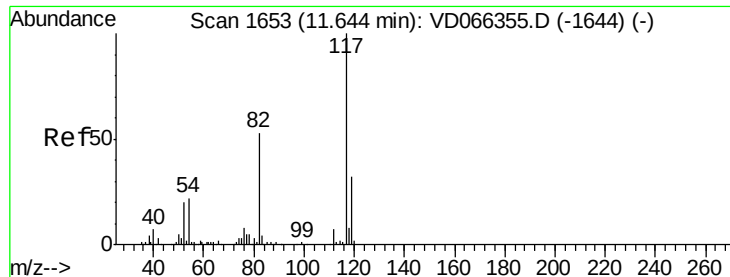
Tot Ion: 98 Resp: 317120  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 50.072 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VD066435.D  
Acq: 27 Aug 2020 14:29

Tgt Ion: 95 Resp: 112395  
Ion Ratio Lower Upper  
95 100  
174 100.4 0.0 183.4  
176 92.6 0.0 173.8

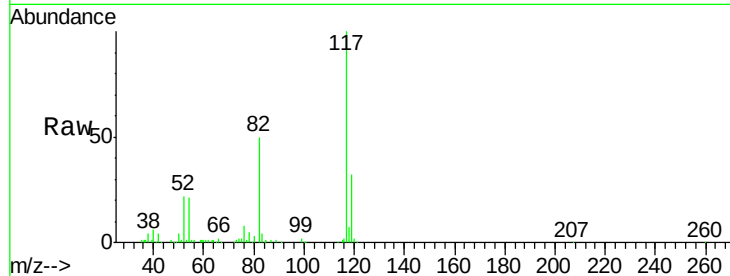




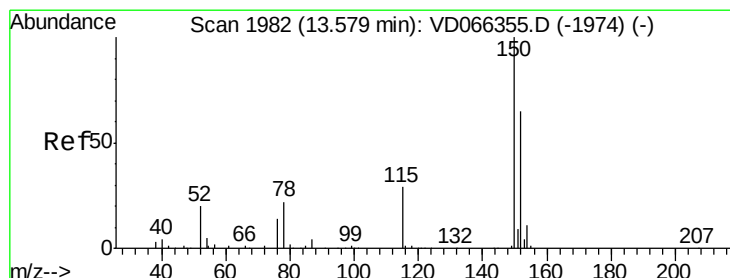
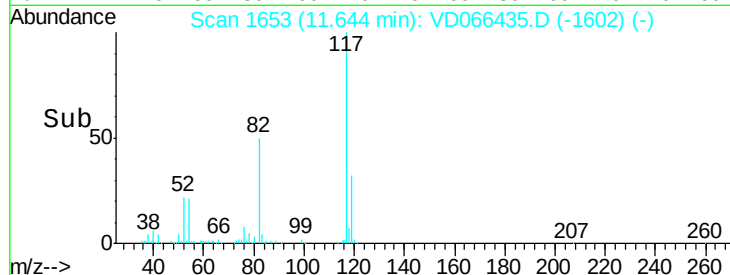
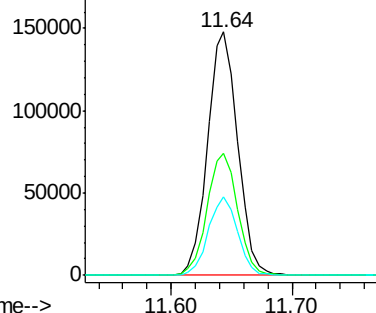
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066435.D  
Acq: 27 Aug 2020 14:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-14A-S2

Tot Ion:117 Resp: 256715  
Ion Ratio Lower Upper  
117 100  
82 50.1 42.8 64.2  
119 32.2 25.8 38.8

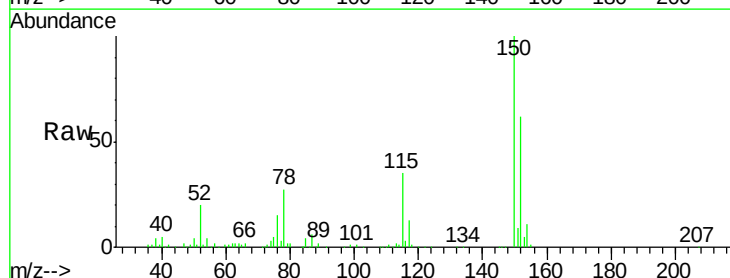


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066435.D  
Acq: 27 Aug 2020 14:29

Tgt Ion:152 Resp: 131214  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.3 85.0  
150 158.0 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

