

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\  
 Data File : VD066465.D  
 Acq On : 28 Aug 2020 17:40  
 Operator : VA/SY  
 Sample : L3827-10  
 Misc : 6.47G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 789UMR-TP11-0006-02

Quant Time: Aug 29 01:54:24 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

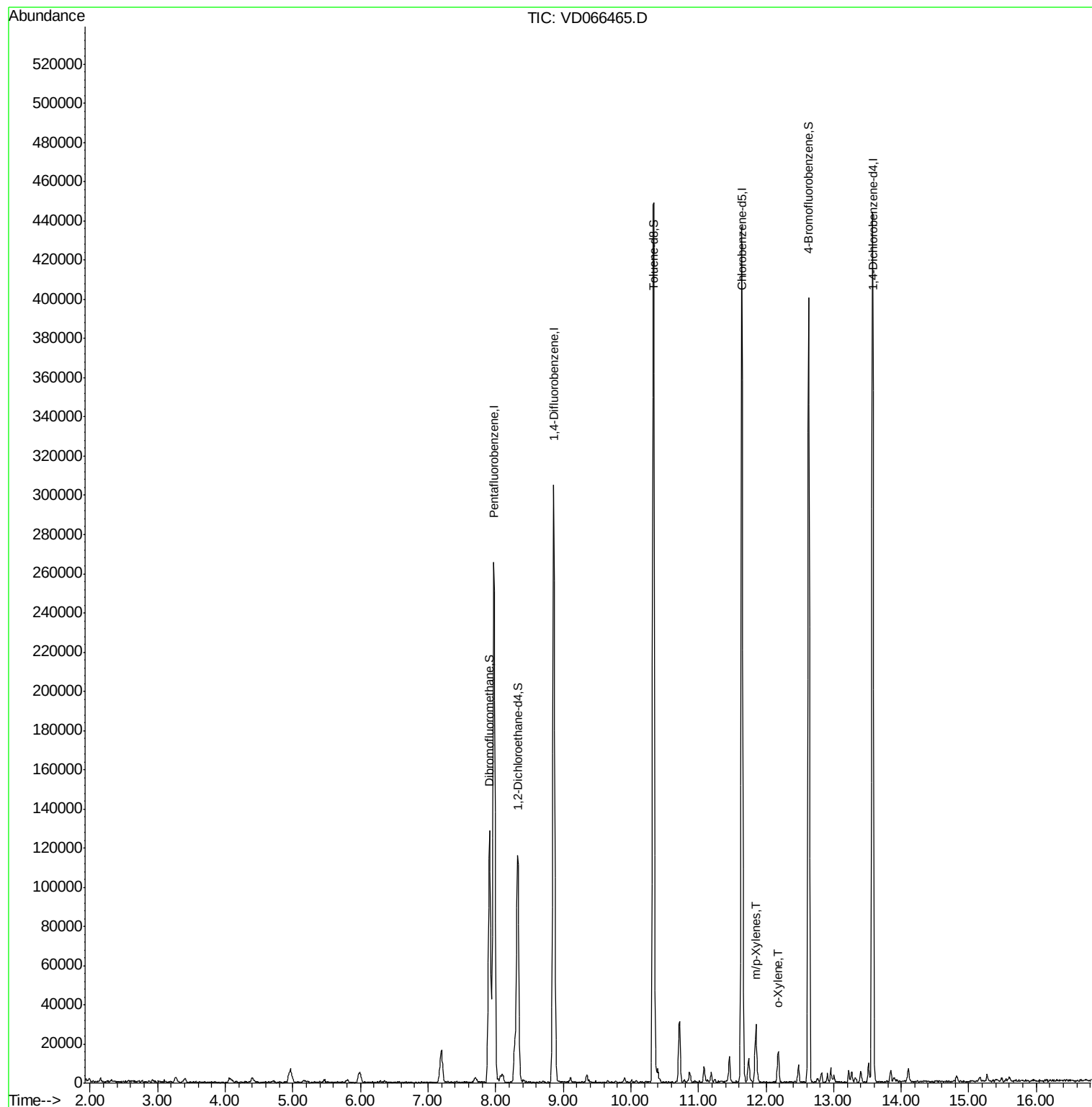
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 193427   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 263926   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 239912   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 121376   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.32  | 65   | 106634   | 56.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.46% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 84856    | 51.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.84% |          |
| 50) Toluene-d8              | 10.33 | 98   | 308165   | 51.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.06% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 104504   | 48.77 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.54%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 68) m/p-Xylenes             | 11.85 | 106  | 9770     | 3.051 | ug/l    | 99       |
| 69) o-Xylene                | 12.18 | 106  | 4094     | 1.374 | ug/l    | 99       |

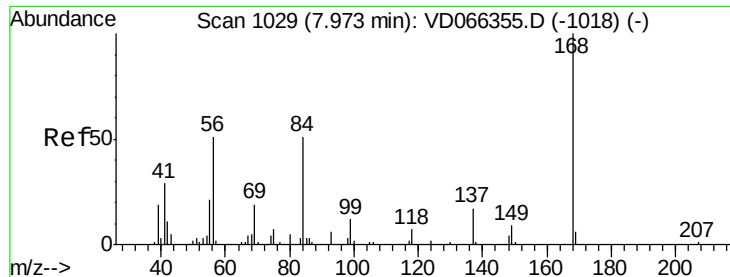
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\  
Data File : VD066465.D  
Acq On : 28 Aug 2020 17:40  
Operator : VA/SY  
Sample : L3827-10  
Misc : 6.47G/5.00ml/MSVOA D/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
789UMR-TP11-0006-02

Quant Time: Aug 29 01:54:24 2020  
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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066465.D

Acq: 28 Aug 2020 17:40

Instrument :

MSVOA\_D

ClientSampleId :

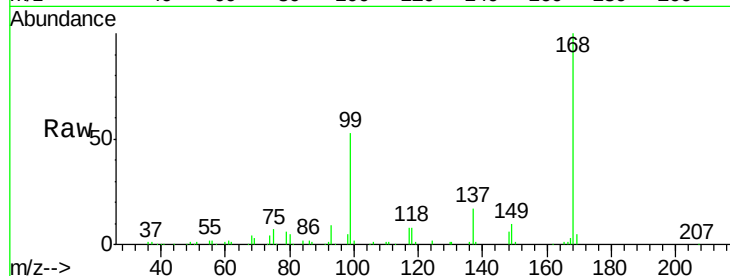
789UMR-TP11-0006-02

Tot Ion:168 Resp: 193427

Ion Ratio Lower Upper

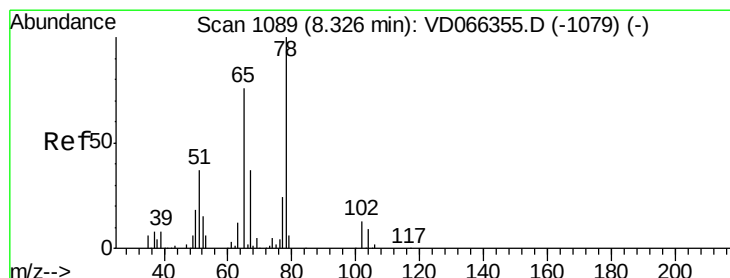
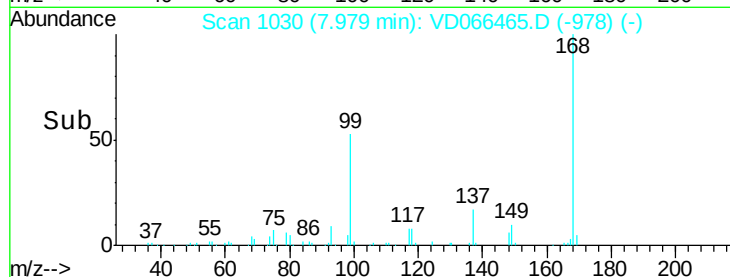
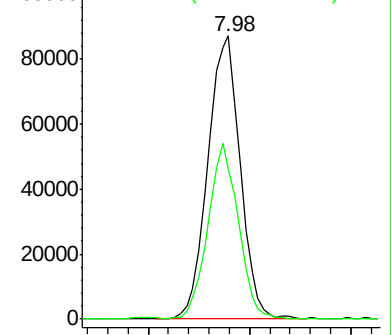
168 100

99 53.3 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: 56.231 ug/l

RT: 8.32 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VD066465.D

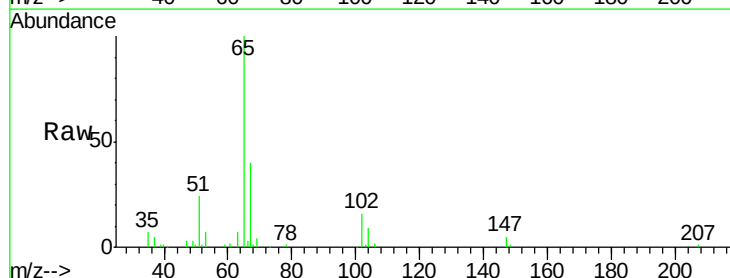
Acq: 28 Aug 2020 17:40

Tgt Ion: 65 Resp: 106634

Ion Ratio Lower Upper

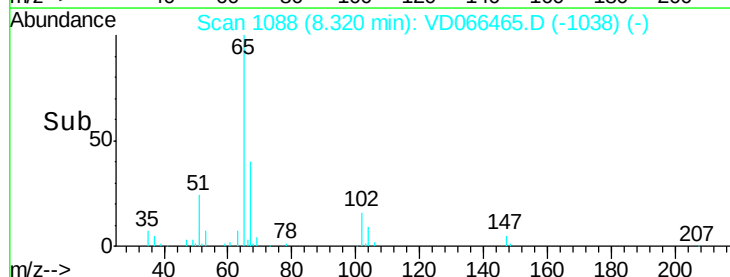
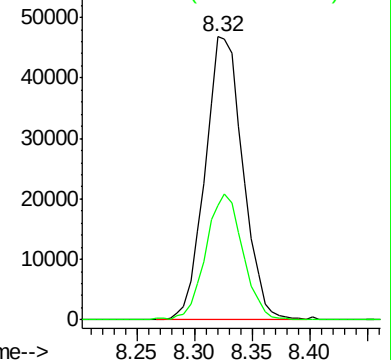
65 100

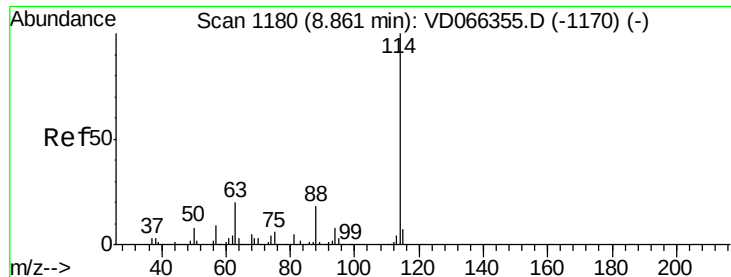
67 43.7 0.0 101.6



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: VD066465.D

Acq: 28 Aug 2020 17:40

Instrument :

MSVOA\_D

ClientSampleId :

789UMR-TP11-0006-02

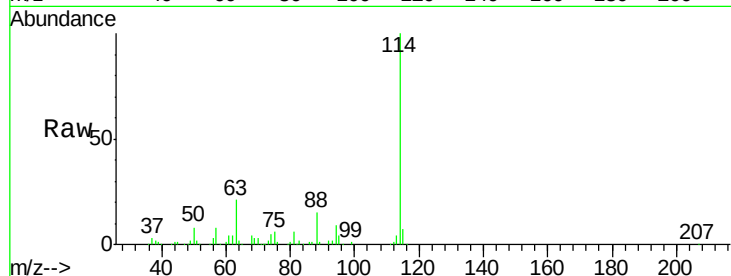
Tot Ion:114 Resp: 263926

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

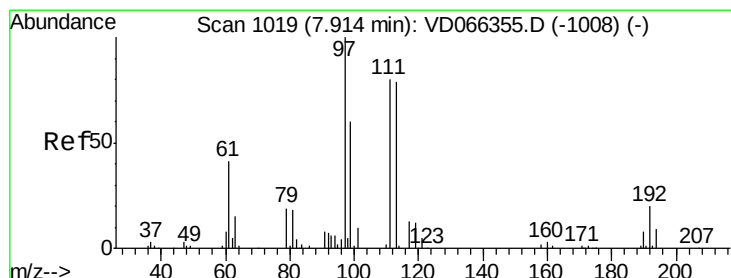
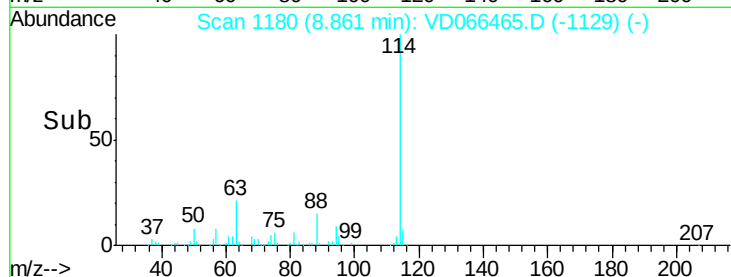
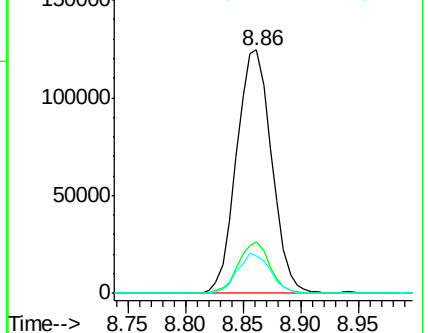
88 15.5 0.0 35.4



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: 51.417 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066465.D

Acq: 28 Aug 2020 17:40

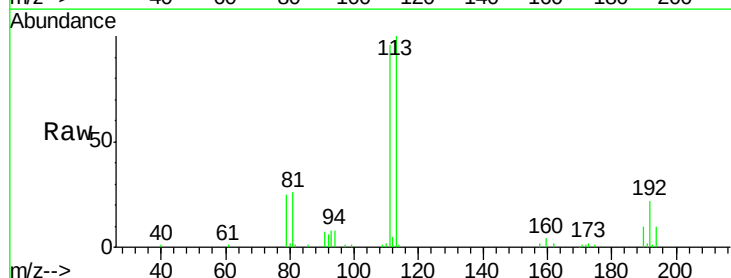
Tgt Ion:113 Resp: 84856

Ion Ratio Lower Upper

113 100

111 100.8 80.3 120.5

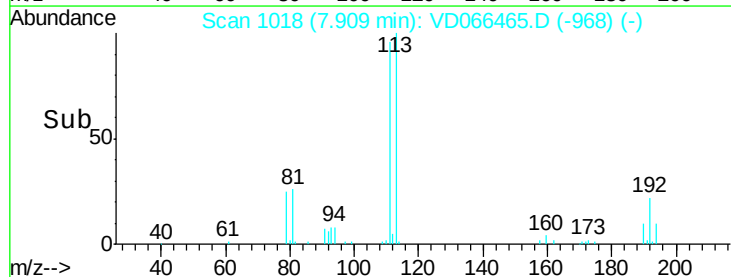
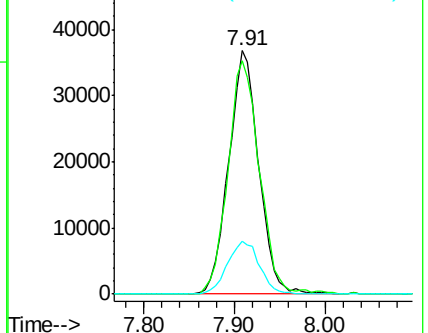
192 23.0 19.0 28.6

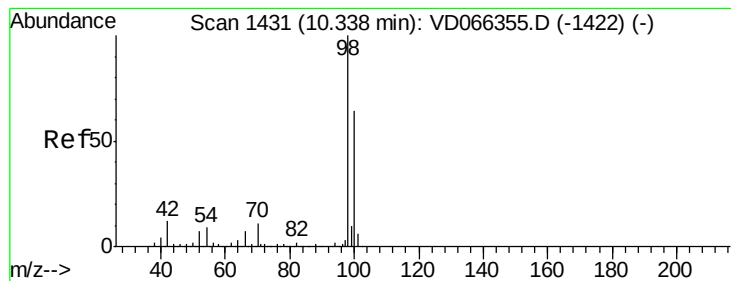


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.034 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066465.D

Acq: 28 Aug 2020 17:40

Instrument :

MSVOA\_D

ClientSampleId :

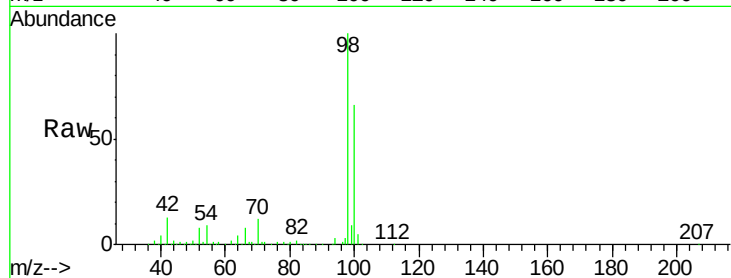
789UMR-TP11-0006-02

Tot Ion: 98 Resp: 308165

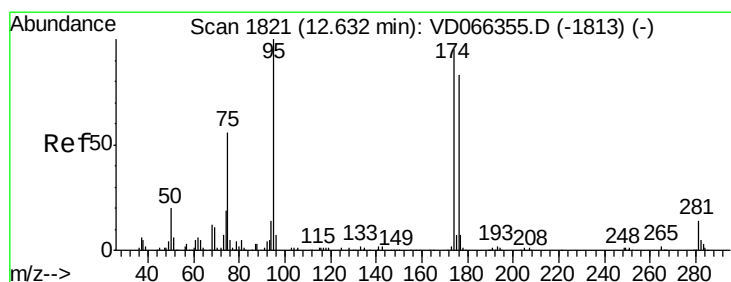
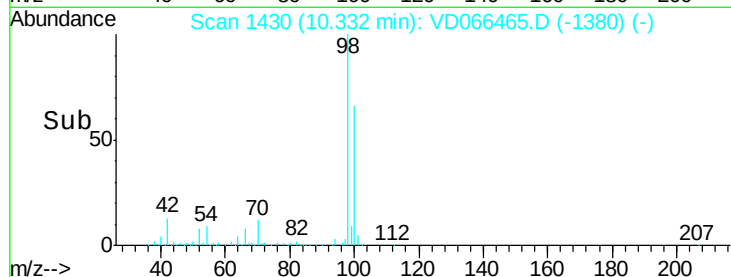
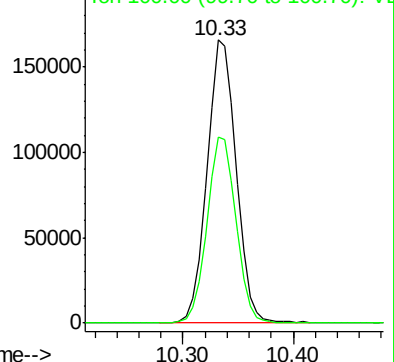
Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VD066355.D (-1422) (-)



#62

4-Bromofluorobenzene

Concen: 48.772 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066465.D

Acq: 28 Aug 2020 17:40

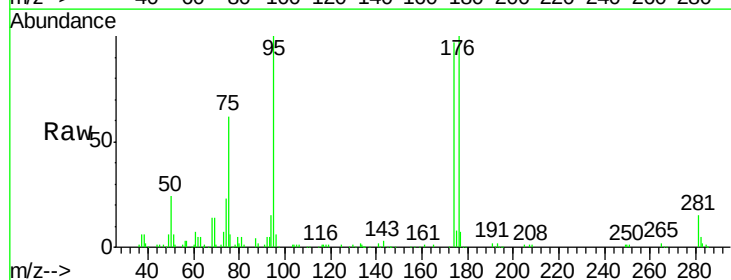
Tgt Ion: 95 Resp: 104504

Ion Ratio Lower Upper

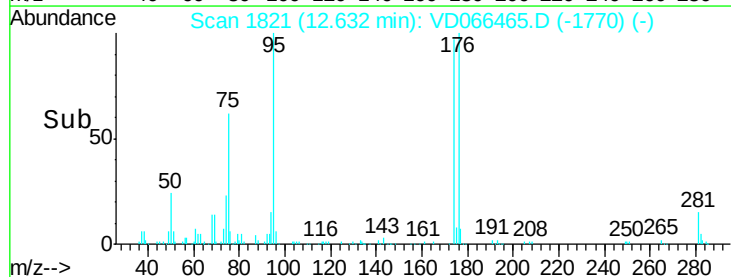
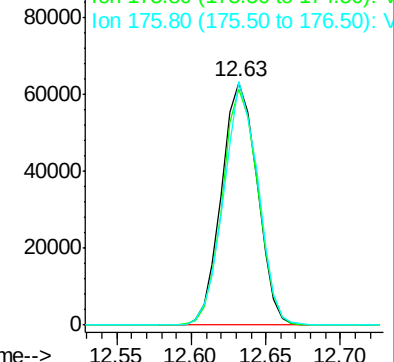
95 100

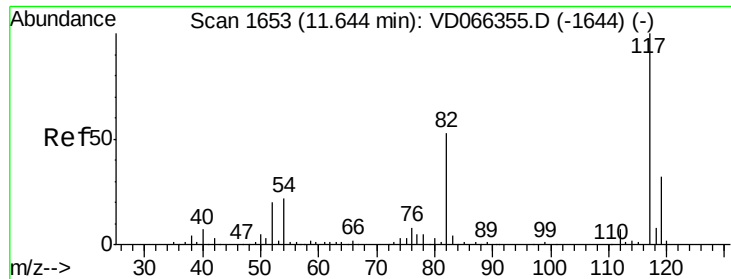
174 96.4 0.0 183.4

176 96.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VD066355.D (-1813) (-)

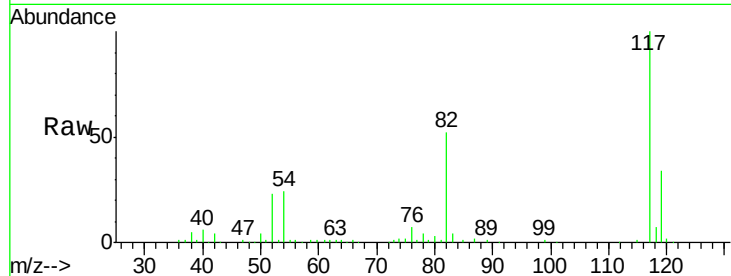




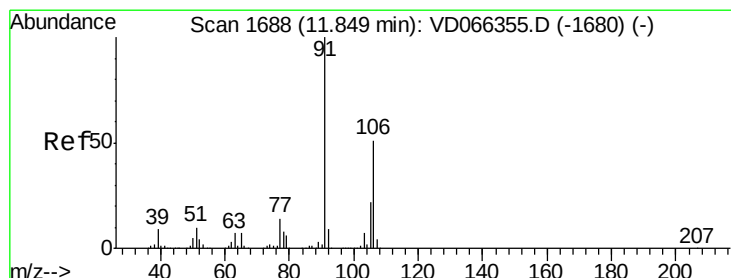
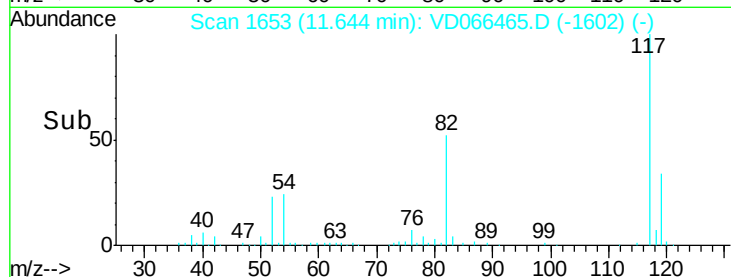
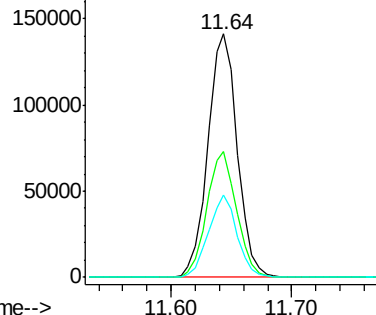
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066465.D  
Acq: 28 Aug 2020 17:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
789UMR-TP11-0006-02

Tot Ion:117 Resp: 239912  
Ion Ratio Lower Upper  
117 100  
82 51.7 42.8 64.2  
119 33.6 25.8 38.8

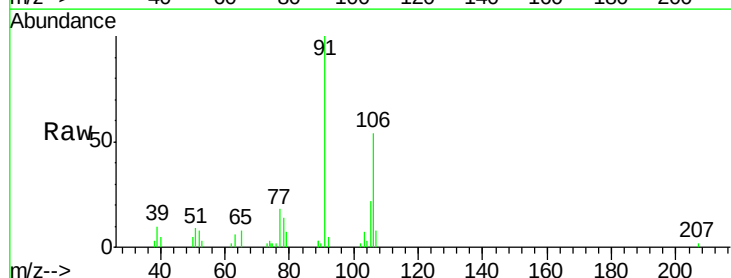


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

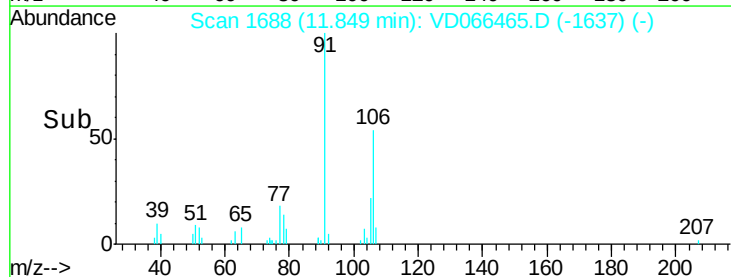
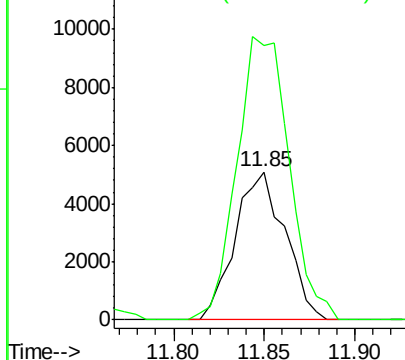


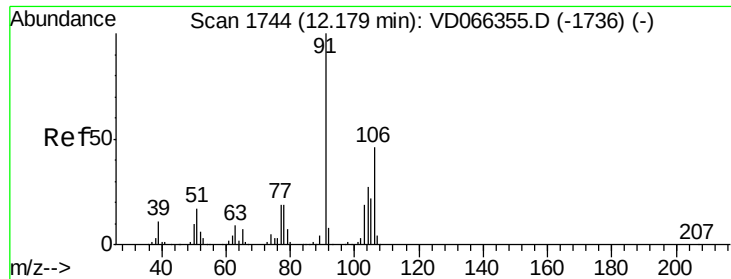
#68  
m/p-Xylenes  
Concen: 3.051 ug/l  
RT: 11.85 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VD066465.D  
Acq: 28 Aug 2020 17:40

Tgt Ion:106 Resp: 9770  
Ion Ratio Lower Upper  
106 100  
91 200.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

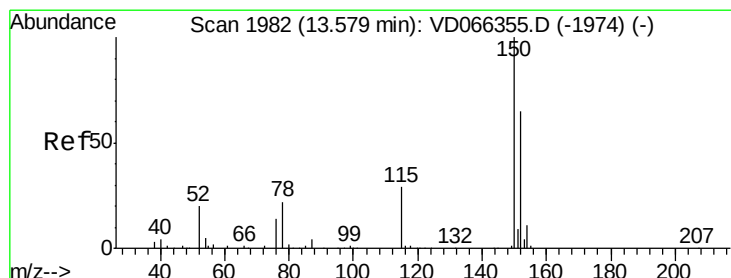
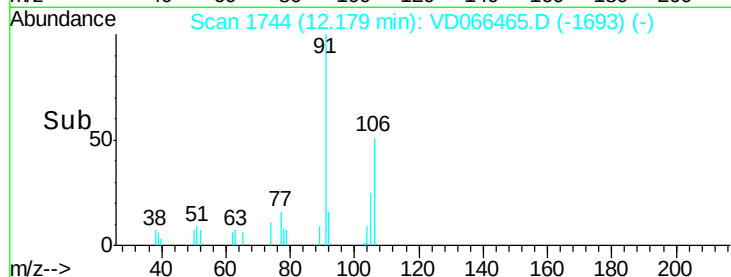
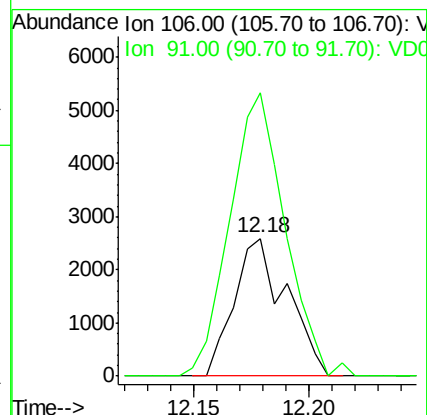
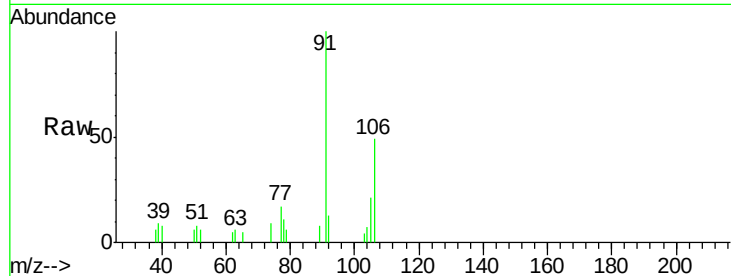




#69  
o-Xylene  
Concen: 1.374 ug/l  
RT: 12.18 min Scan# 1744  
Delta R.T. 0.00 min  
Lab File: VD066465.D  
Acq: 28 Aug 2020 17:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
789UMR-TP11-0006-02

Tot Ion:106 Resp: 4094  
Ion Ratio Lower Upper  
106 100  
91 216.7 109.1 327.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066465.D  
Acq: 28 Aug 2020 17:40

Tgt Ion:152 Resp: 121376  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.3 85.0  
150 153.2 0.0 343.2

