

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\  
 Data File : VD066283.D  
 Acq On : 18 Aug 2020 17:36  
 Operator : VA/SY  
 Sample : L3711-02  
 Misc : 7.60G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TT-026-IDWSO-20200814

Quant Time: Aug 19 07:11:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 203288   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 317479   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 289742   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 128284   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 98483    | 54.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.60% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 96768    | 48.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.22%  |      |
| 50) Toluene-d8              | 10.34  | 98  | 324986   | 43.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.58%  |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 114171   | 42.68 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 85.36%  |      |

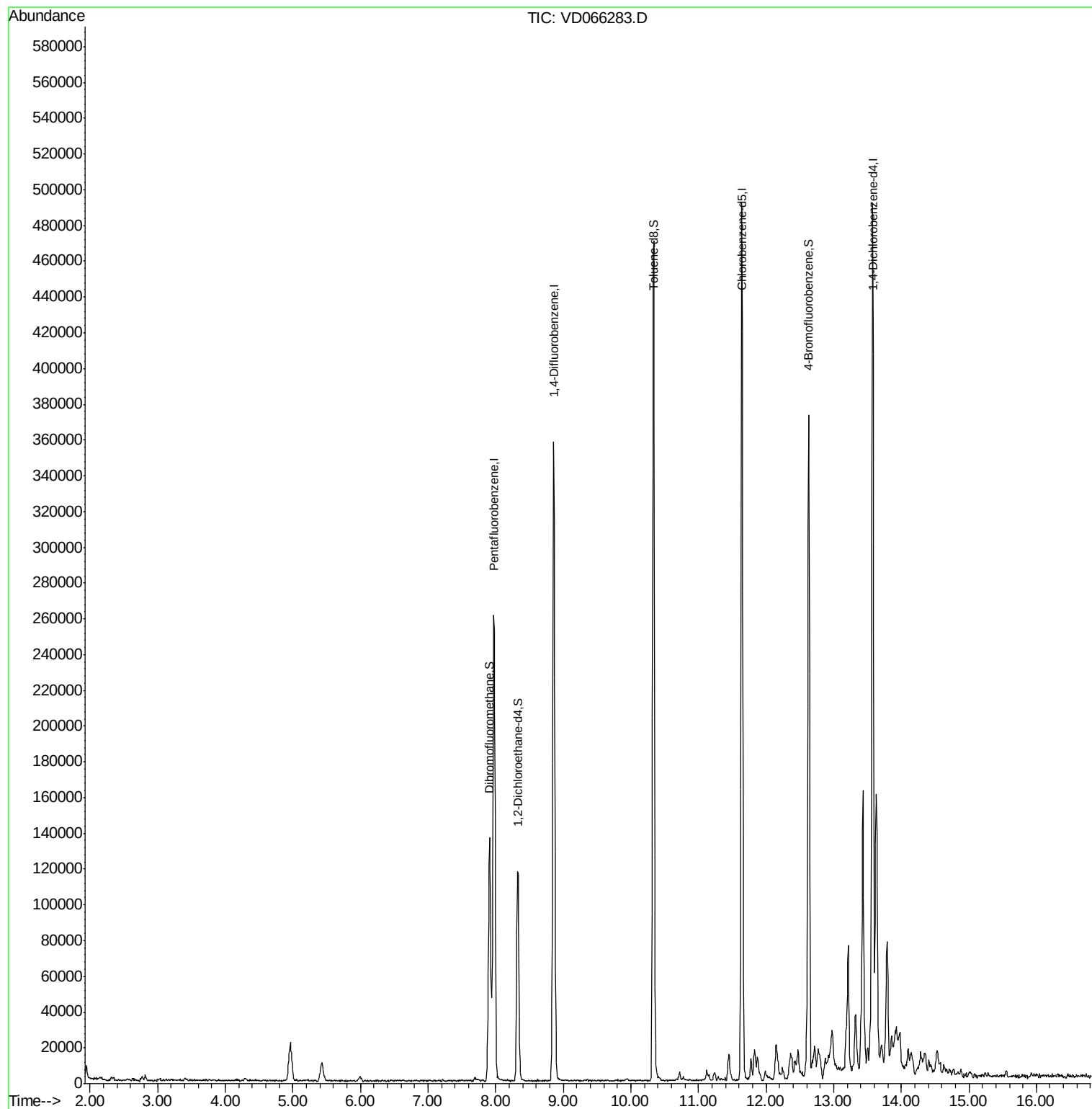
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

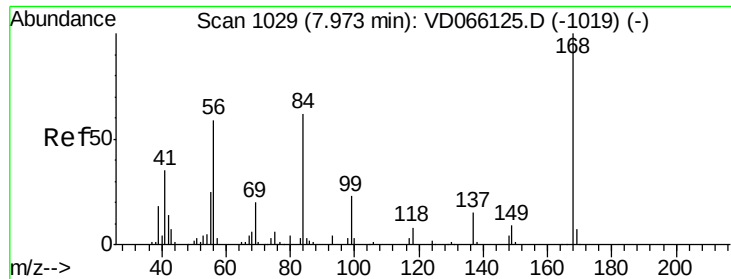
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 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: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA\_D

ClientSampleId :

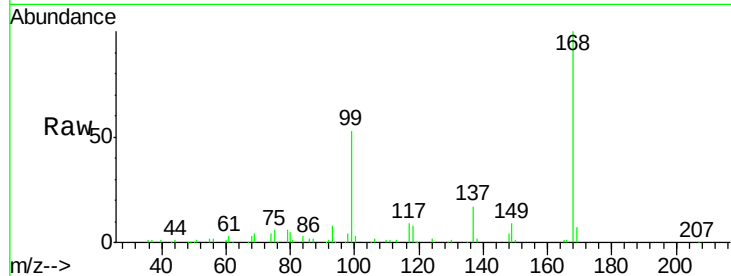
TT-026-IDWSO-20200814

Tot Ion:168 Resp: 203288

Ion Ratio Lower Upper

168 100

99 53.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

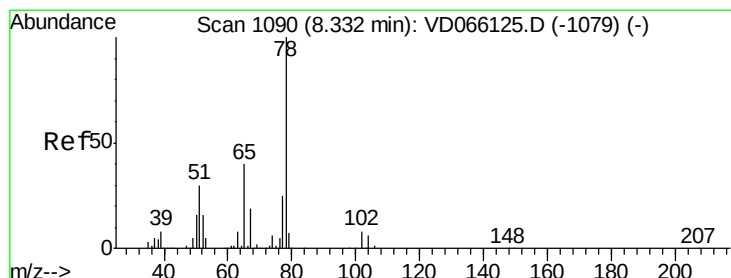
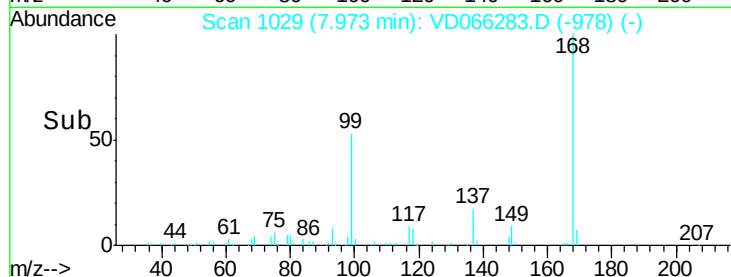
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#33

1,2-Dichloroethane-d4

Concen: 54.301 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066283.D

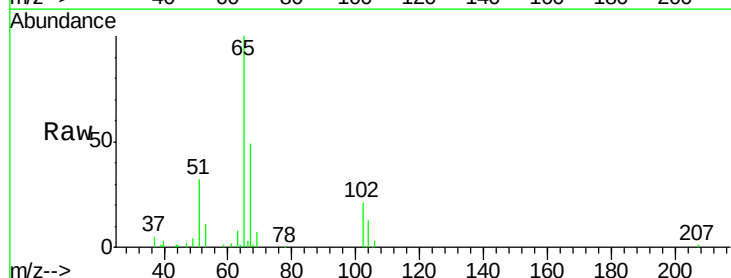
Acq: 18 Aug 2020 17:36

Tgt Ion: 65 Resp: 98483

Ion Ratio Lower Upper

65 100

67 49.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

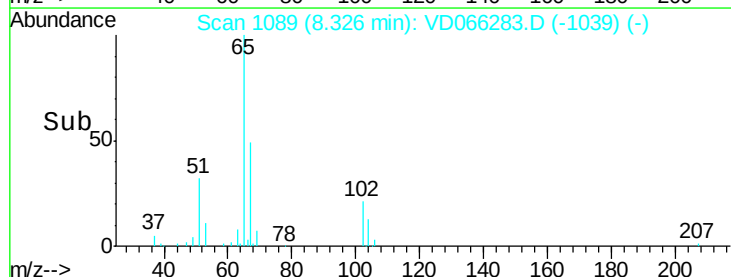
30000

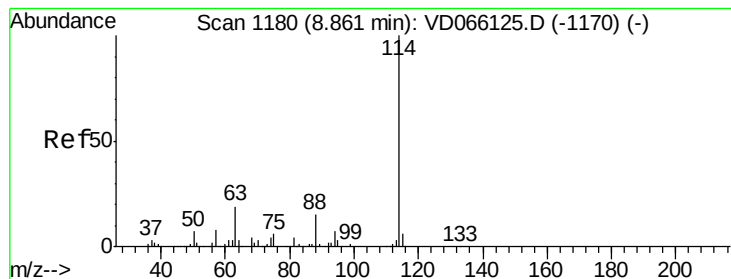
20000

10000

0

Time--> 8.25 8.30 8.35 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

Instrument :

MSVOA\_D

ClientSampleId :

TT-026-IDWSO-20200814

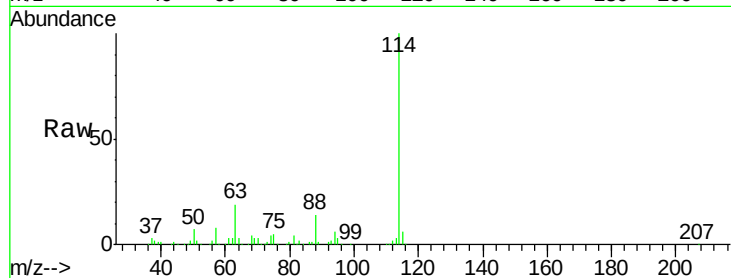
Tot Ion:114 Resp: 317479

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

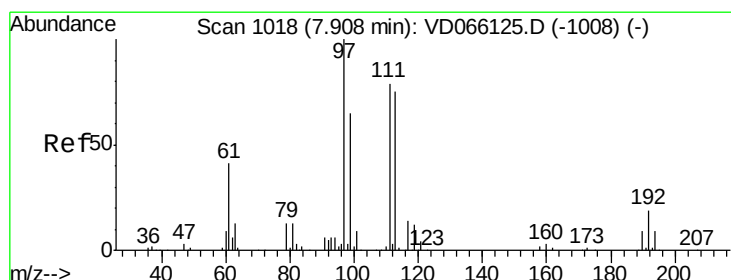
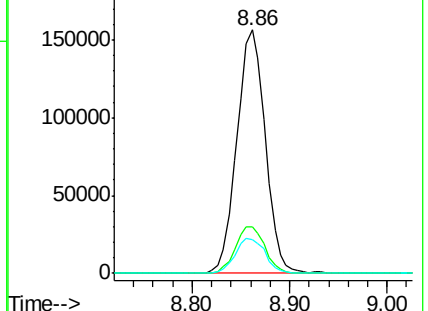
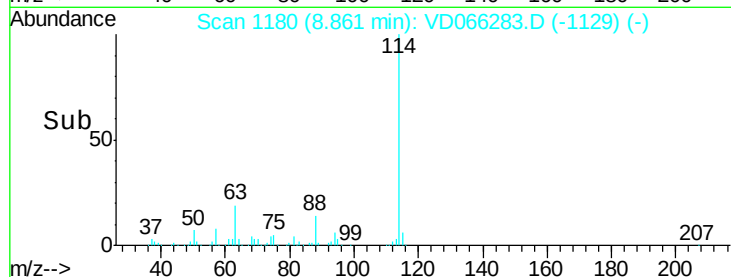
88 13.8 0.0 30.0



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: 48.115 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066283.D

Acq: 18 Aug 2020 17:36

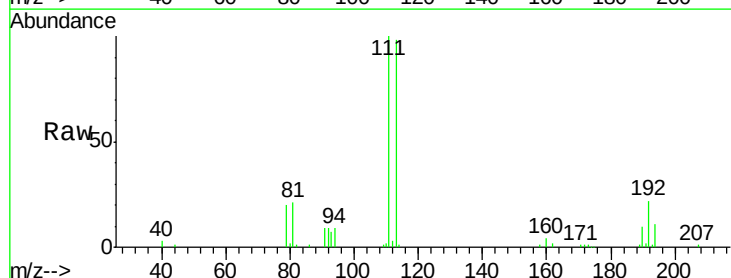
Tgt Ion:113 Resp: 96768

Ion Ratio Lower Upper

113 100

111 101.4 80.7 121.1

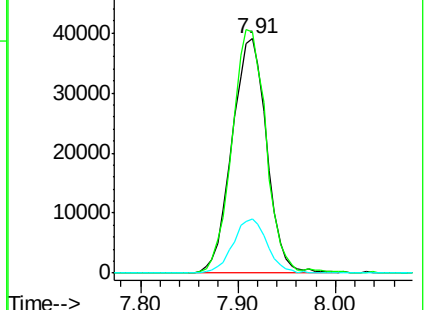
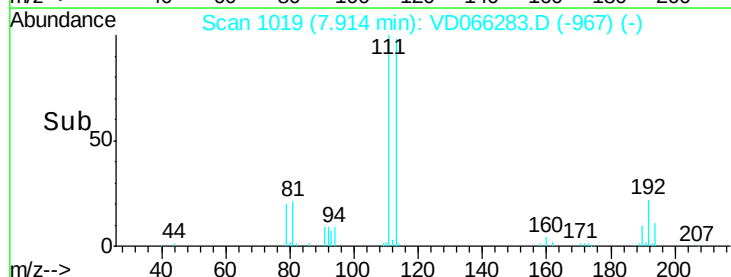
192 22.7 18.4 27.6

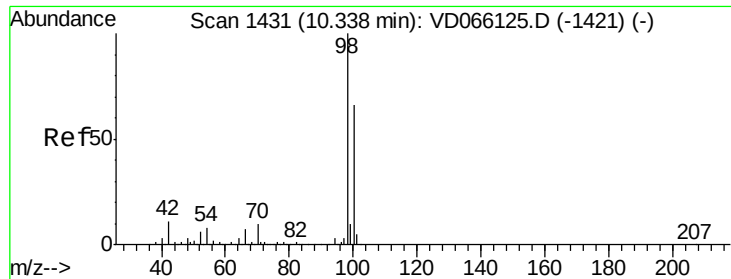


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

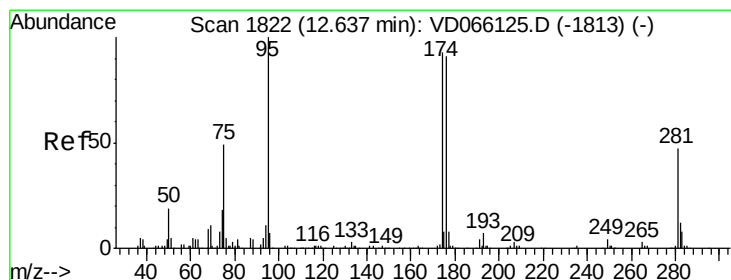
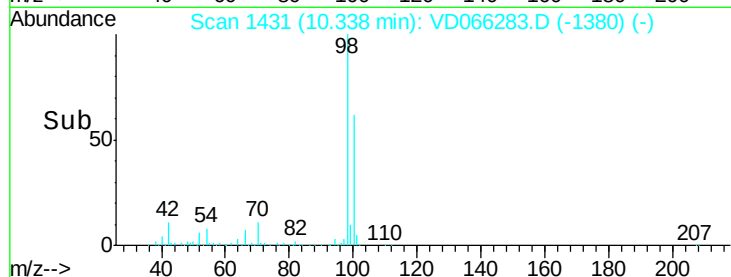
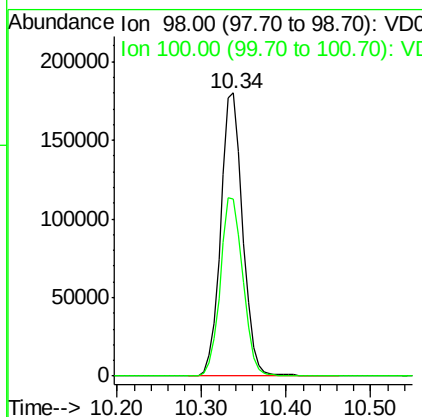
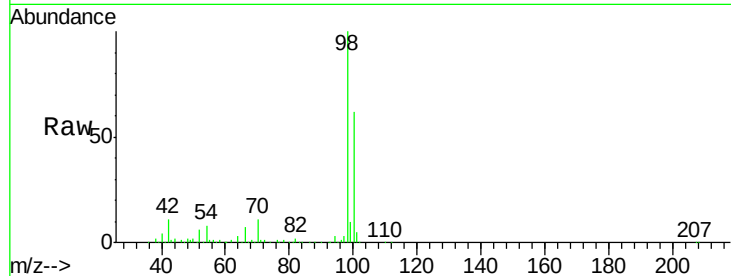




#50  
Toluene-d8  
Concen: 43.788 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD066283.D  
Acq: 18 Aug 2020 17:36

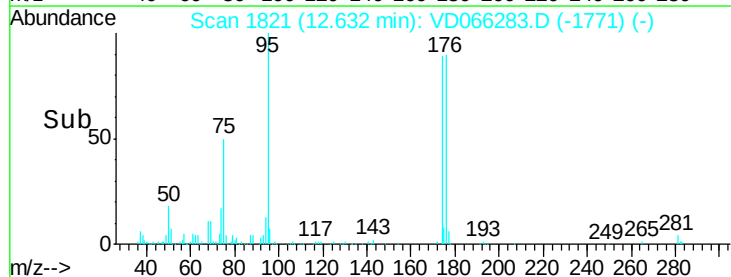
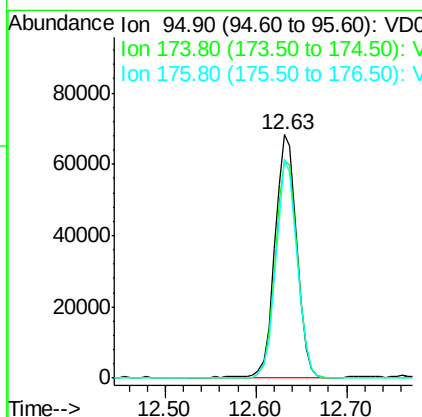
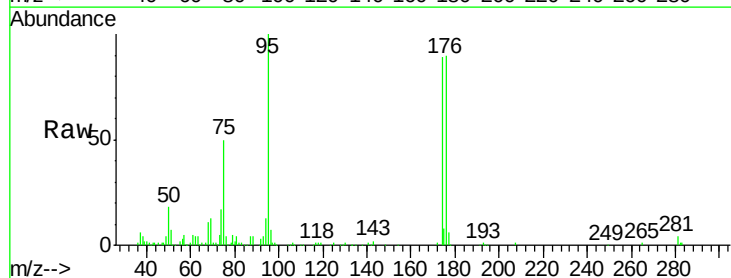
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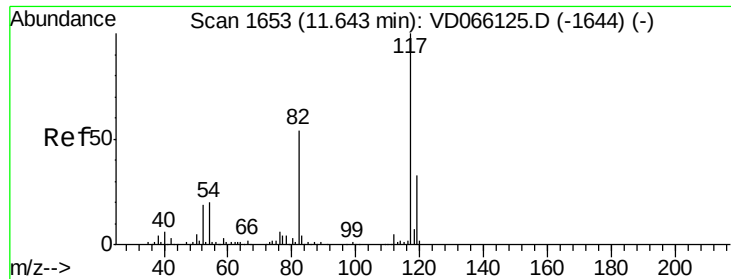
Tot Ion: 98 Resp: 324986  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 42.676 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.01 min  
Lab File: VD066283.D  
Acq: 18 Aug 2020 17:36

Tgt Ion: 95 Resp: 114171  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 180.8  
176 86.2 0.0 181.2

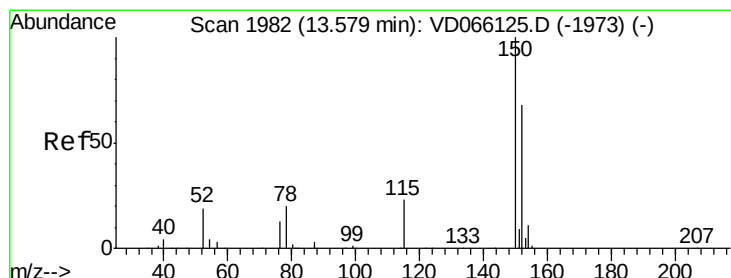
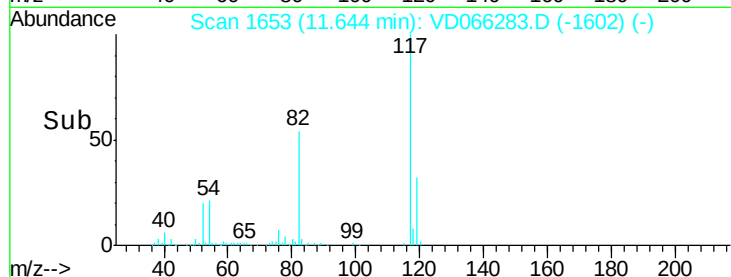
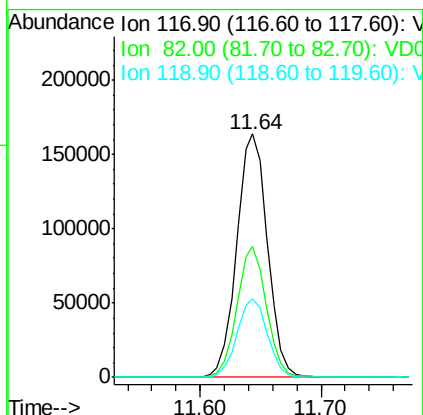
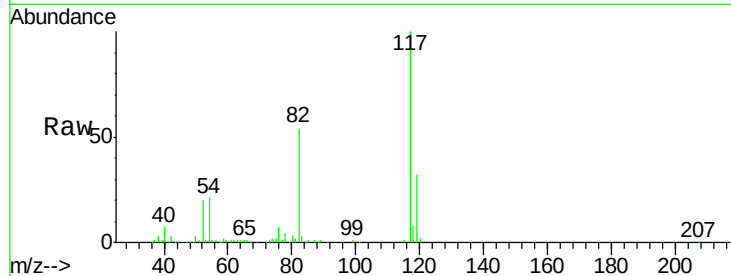




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066283.D  
Acq: 18 Aug 2020 17:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
TT-026-IDWSO-20200814

Tot Ion:117 Resp: 289742  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 32.4 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066283.D  
Acq: 18 Aug 2020 17:36

Tgt Ion:152 Resp: 128284  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.0 83.9  
150 161.3 0.0 346.4

