

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\  
 Data File : VD064618.D  
 Acq On : 27 Dec 2019 01:34  
 Operator : VA/SY  
 Sample : K6438-11  
 Misc : 5.12G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-BF008-01

Quant Time: Dec 27 06:06:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 24 13:19:06 2019  
 Response via : Initial Calibration

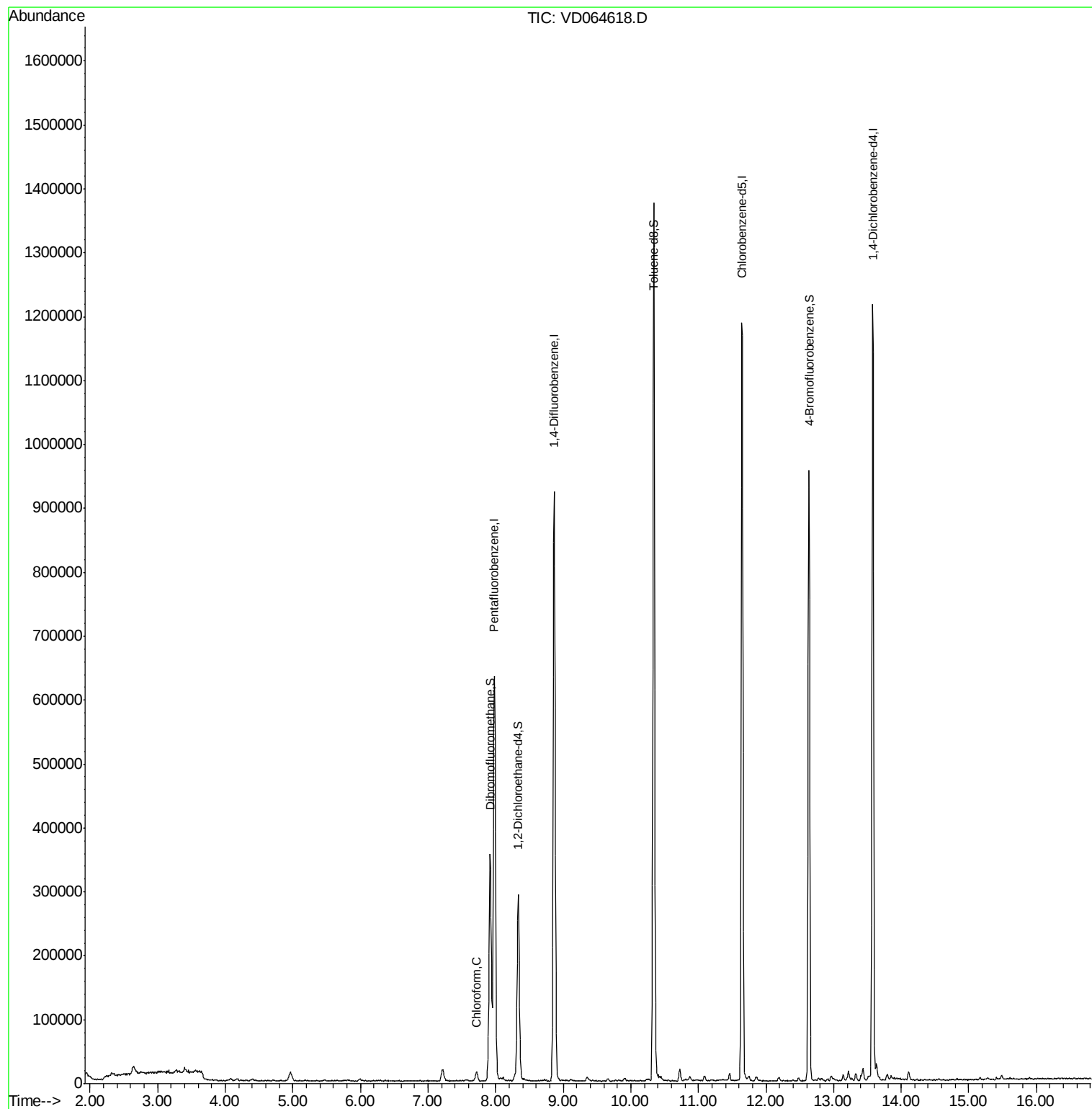
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 501090   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 791307   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 689741   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 323340   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 229780   | 52.00 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.00% |            |
| 35) Dibromofluoromethane    | 7.92  | 113  | 240384   | 49.51 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.02%  |            |
| 50) Toluene-d8              | 10.34 | 98   | 930993   | 50.07 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.14% |            |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 286061   | 48.65 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.30%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 30) Chloroform              | 7.71  | 83   | 13876    | 1.607 | ug/l    | Qvalue 100 |

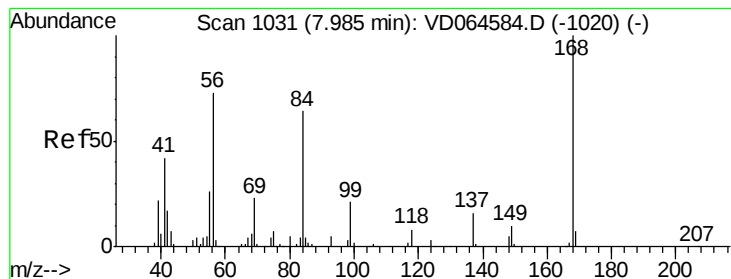
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 24 13:19:06 2019  
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: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA\_D

ClientSampleId :

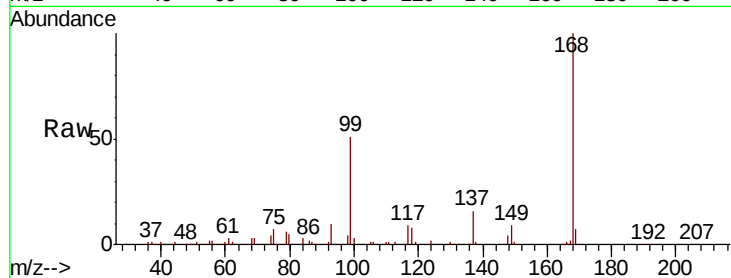
DUNR-BF008-01

Tot Ion:168 Resp: 501090

Ion Ratio Lower Upper

168 100

99 50.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

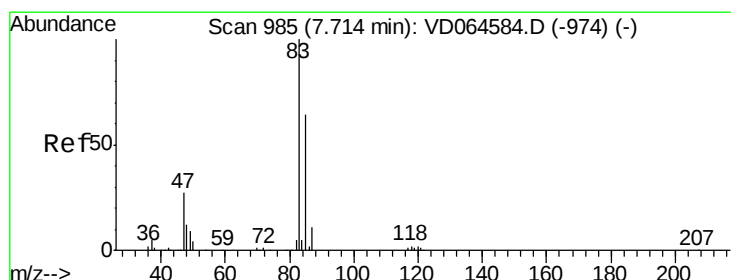
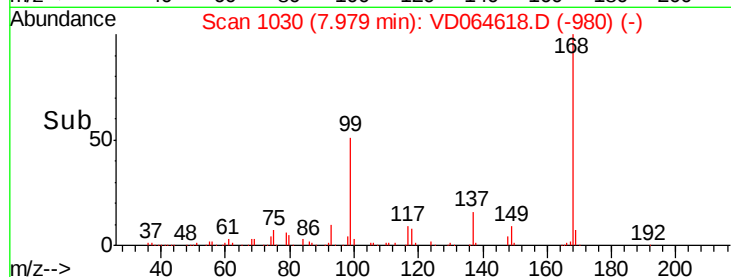
150000

100000

50000

0

Time-->



#30

Chloroform

Concen: 1.607 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064618.D

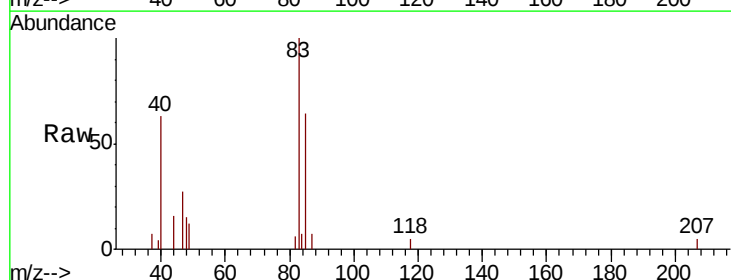
Acq: 27 Dec 2019 01:34

Tgt Ion: 83 Resp: 13876

Ion Ratio Lower Upper

83 100

85 64.1 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

7.71

6000

5000

4000

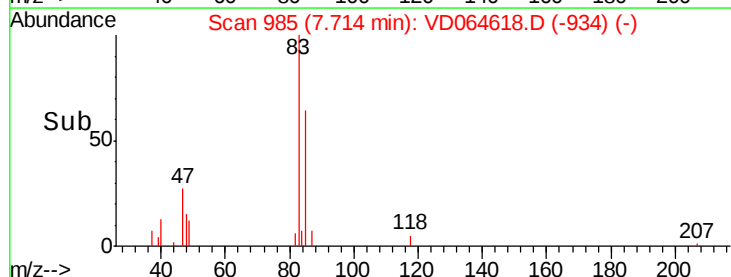
3000

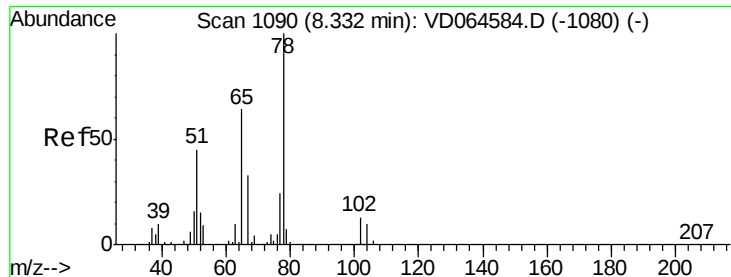
2000

1000

0

Time-->

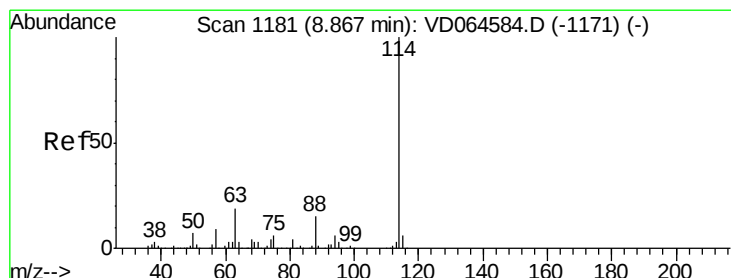
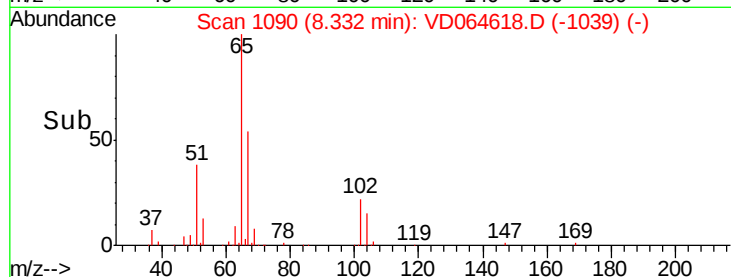
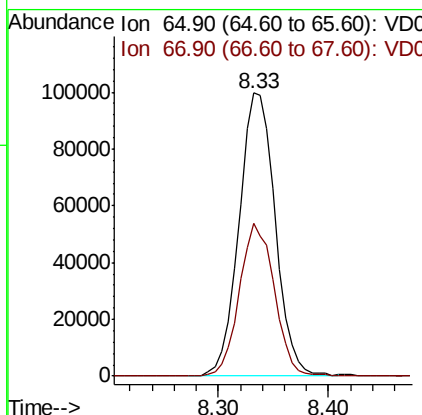
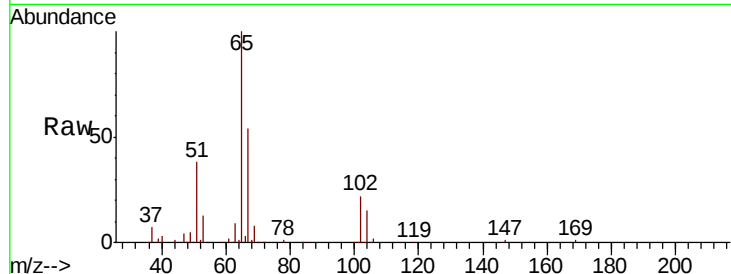




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.003 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD064618.D  
 Acq: 27 Dec 2019 01:34

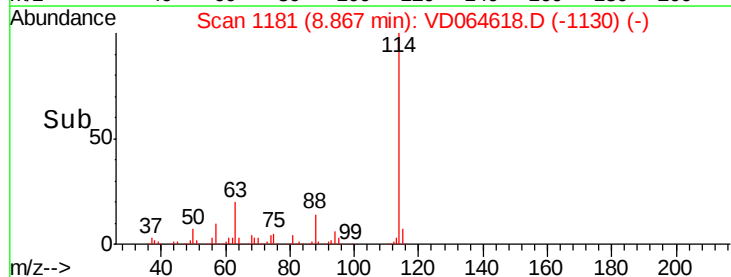
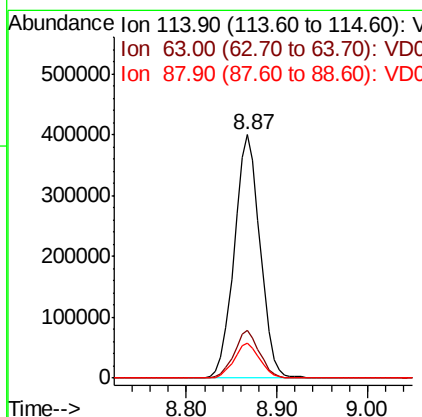
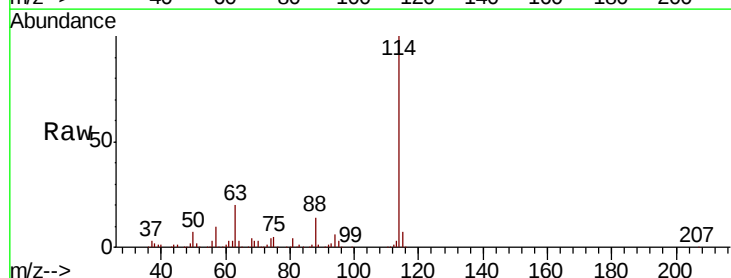
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-BF008-01

Tot Ion: 65 Resp: 229780  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064618.D  
 Acq: 27 Dec 2019 01:34

Tgt Ion: 114 Resp: 791307  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.0  
 88 14.5 0.0 29.2

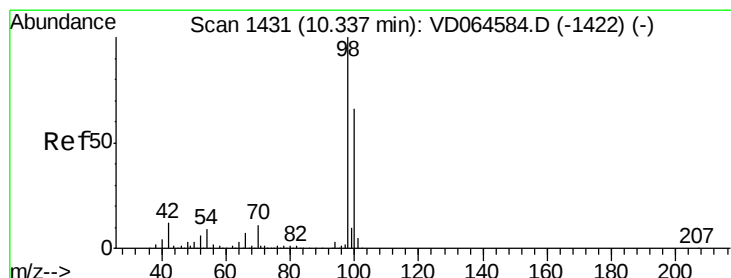
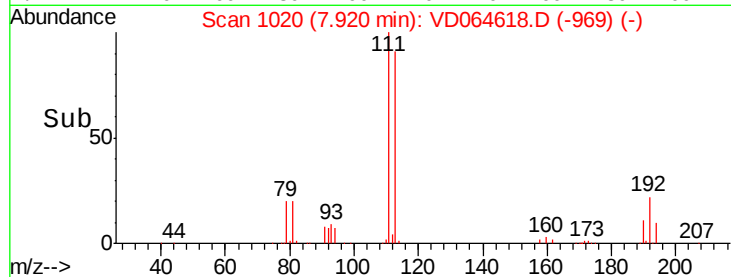
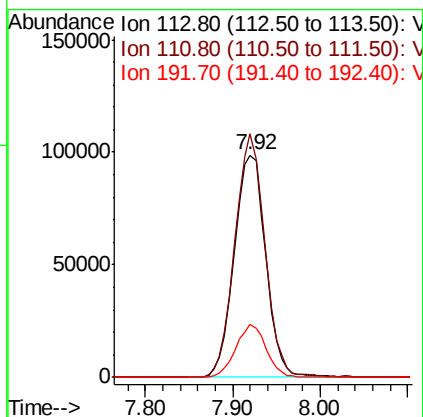
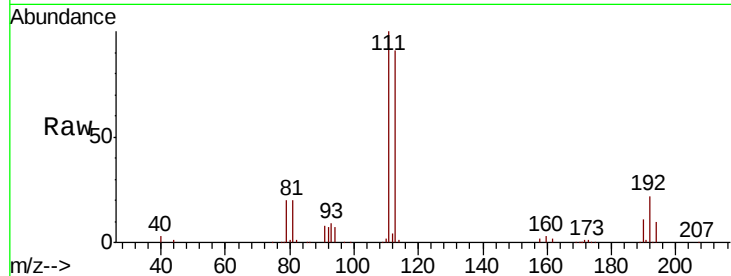




#35  
 Dibromofluoromethane  
 Concen: 49.515 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064618.D  
 Acq: 27 Dec 2019 01:34

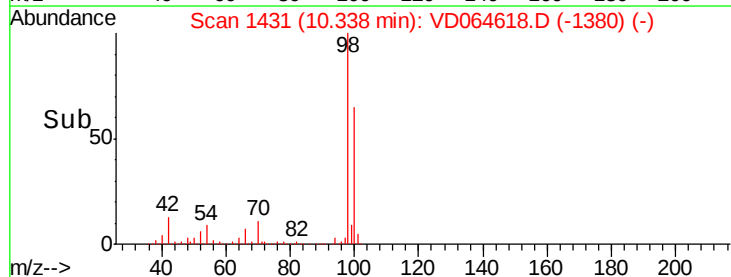
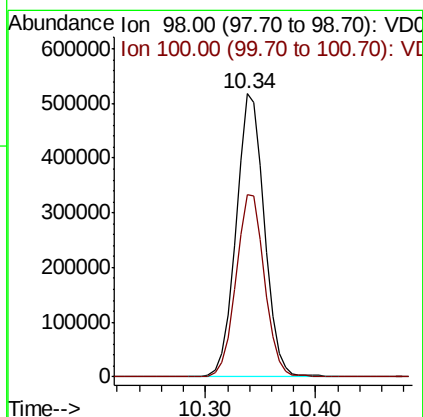
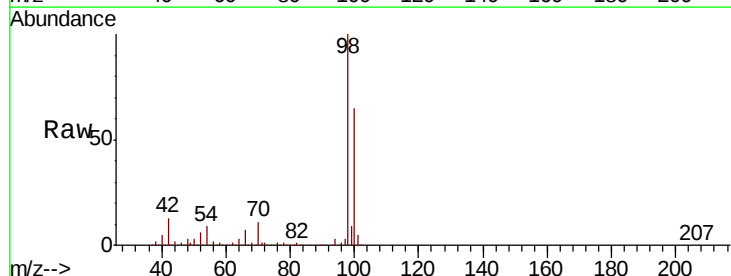
Instrument :  
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 ClientSampleId :  
 DUNR-BF008-01

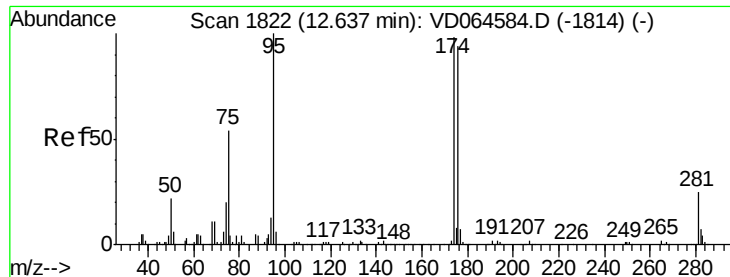
Tot Ion:113 Resp: 240384  
 Ion Ratio Lower Upper  
 113 100  
 111 104.4 80.6 121.0  
 192 22.8 17.9 26.9



#50  
 Toluene-d8  
 Concen: 50.071 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD064618.D  
 Acq: 27 Dec 2019 01:34

Tgt Ion: 98 Resp: 930993  
 Ion Ratio Lower Upper  
 98 100  
 100 65.0 51.7 77.5

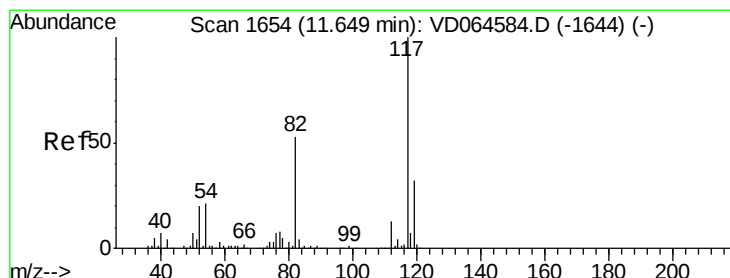
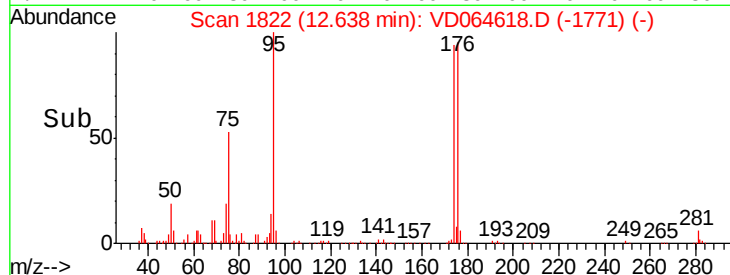
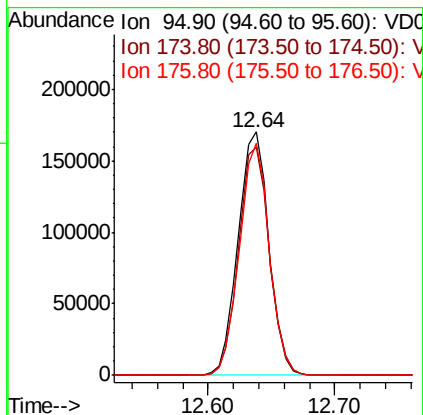
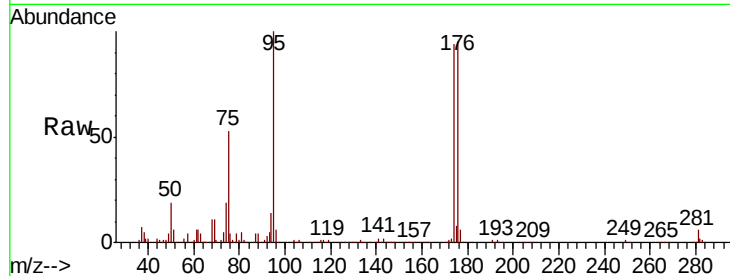




#62  
4-Bromofluorobenzene  
Concen: 48.655 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064618.D  
Acq: 27 Dec 2019 01:34

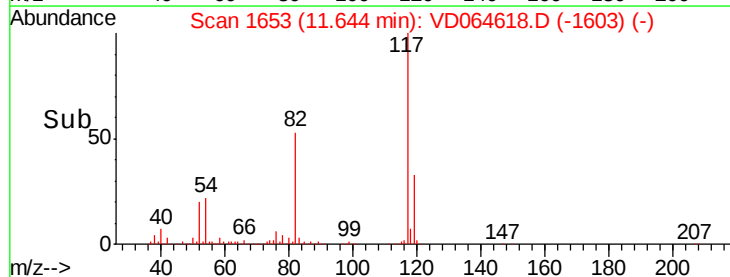
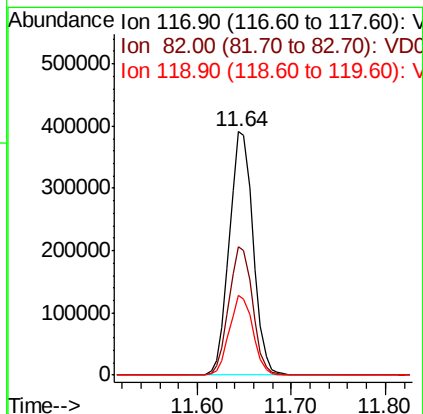
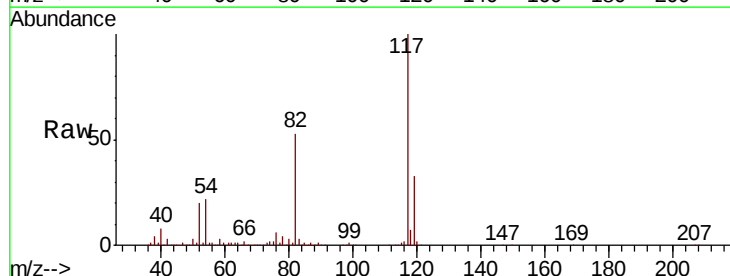
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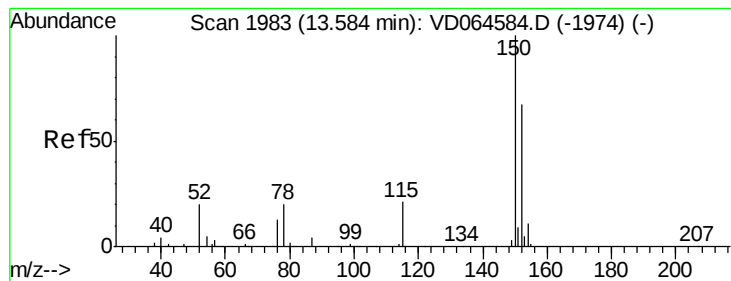
Tot Ion: 95 Resp: 286061  
Ion Ratio Lower Upper  
95 100  
174 94.1 0.0 193.2  
176 92.4 0.0 184.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.01 min  
Lab File: VD064618.D  
Acq: 27 Dec 2019 01:34

Tgt Ion: 117 Resp: 689741  
Ion Ratio Lower Upper  
117 100  
82 52.7 42.2 63.4  
119 32.7 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-BF008-01

Tot Ion:152 Resp: 323340

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

150 160.0 0.0 351.4

