

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\  
 Data File : VD065277.D  
 Acq On : 21 Feb 2020 16:03  
 Operator : VA/SY  
 Sample : L1635-05  
 Misc : 6.06G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS002-01

Quant Time: Feb 22 02:55:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 603813   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 1001712  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 850823   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 328847   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 305306   | 56.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.42% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 314051   | 51.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.84% |      |
| 50) Toluene-d8              | 10.34  | 98  | 1184308  | 50.72 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.44% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 321253   | 43.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.86%  |      |

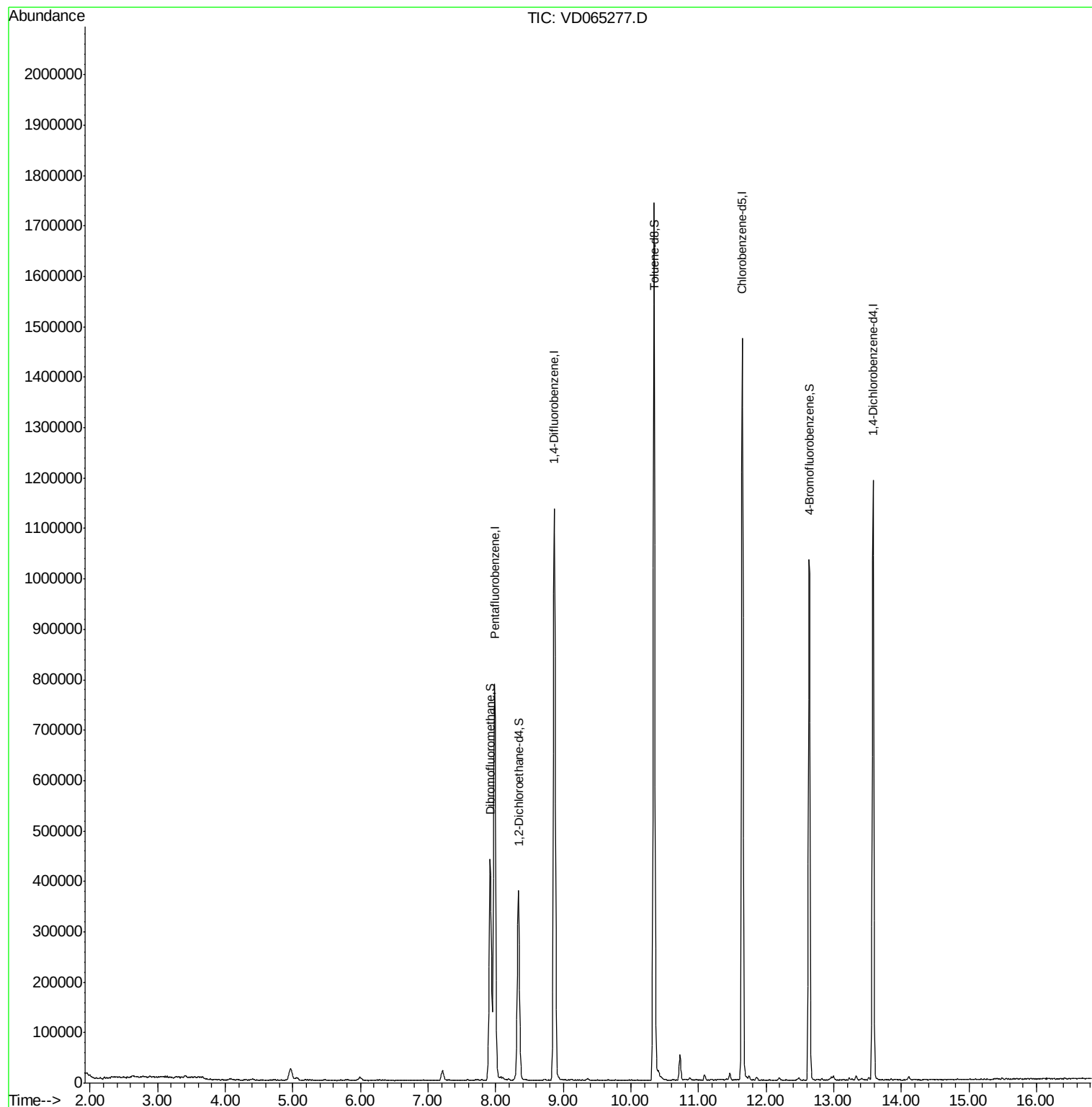
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

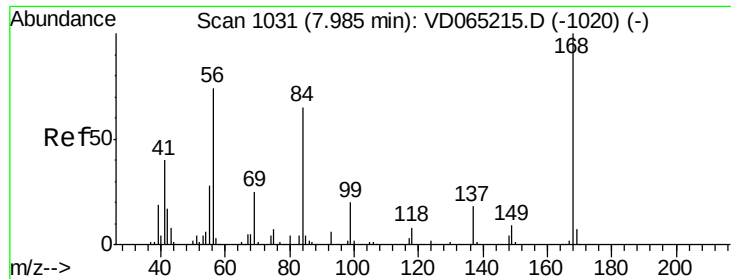
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUNR-TS002-01

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Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:26:54 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065277.D

Acq: 21 Feb 2020 16:03

Instrument :

MSVOA\_D

ClientSampleId :

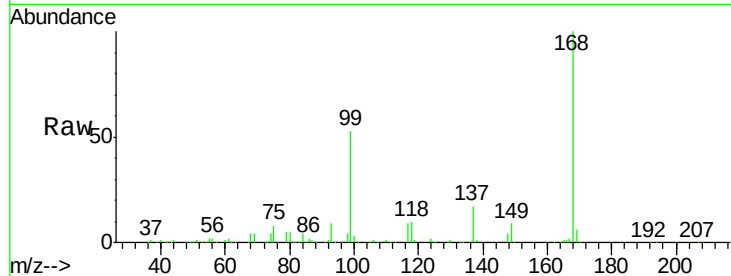
DUNR-TS002-01

Tot Ion:168 Resp: 603813

Ion Ratio Lower Upper

168 100

99 53.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

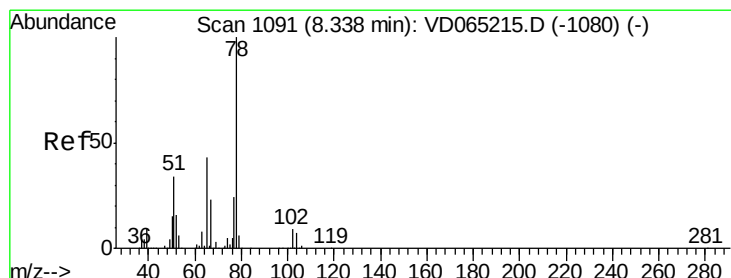
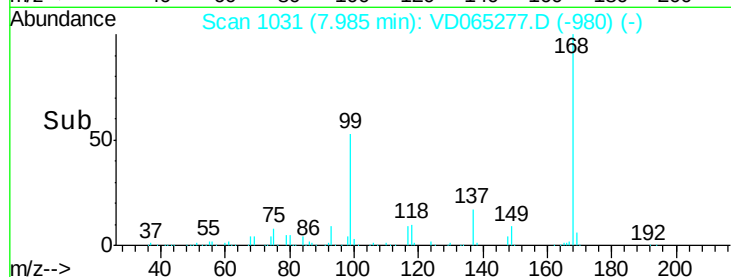
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.205 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065277.D

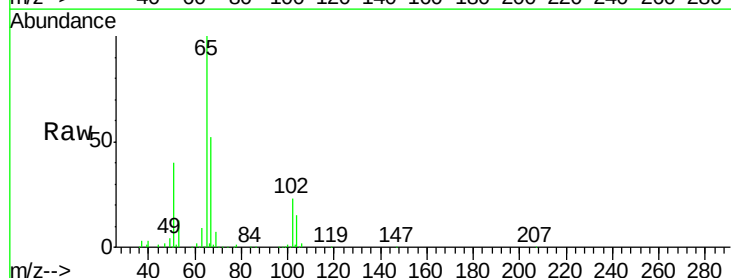
Acq: 21 Feb 2020 16:03

Tgt Ion: 65 Resp: 305306

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

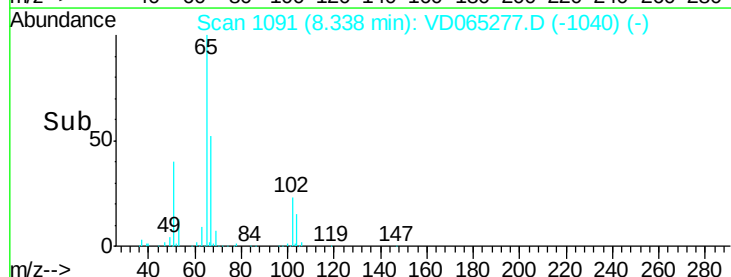
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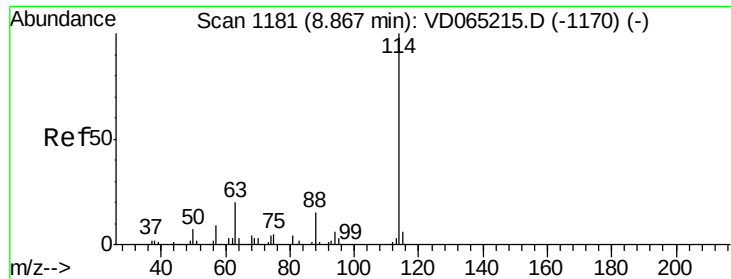
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Time-->

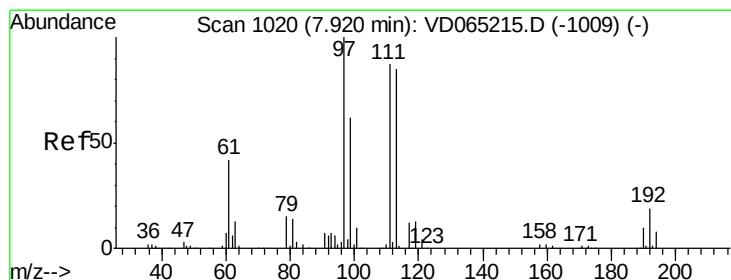
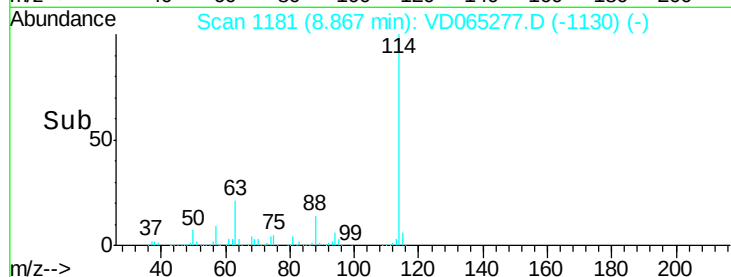
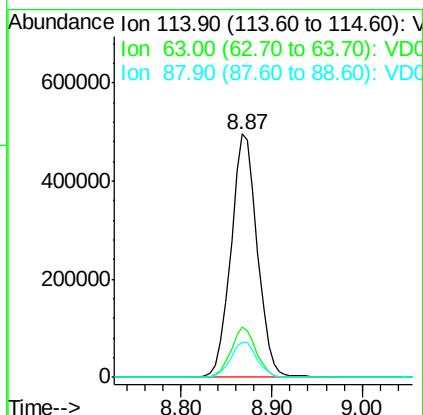
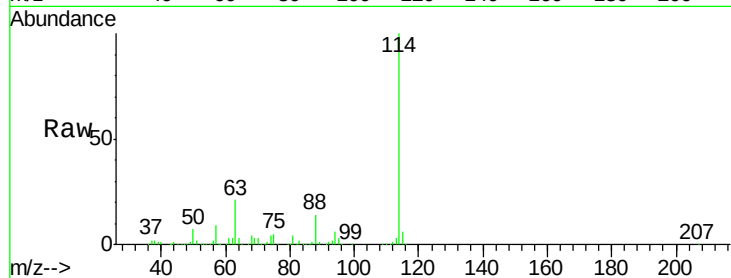




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065277.D  
 Acq: 21 Feb 2020 16:03

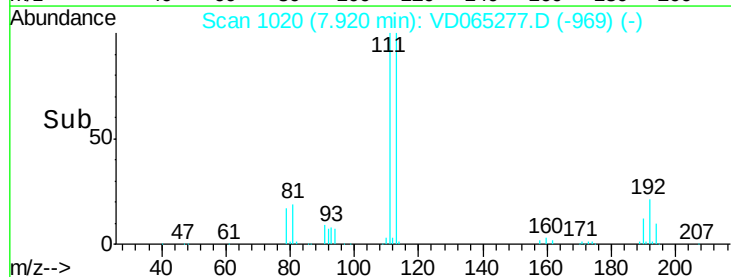
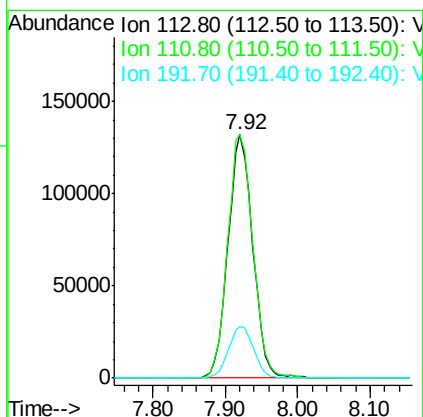
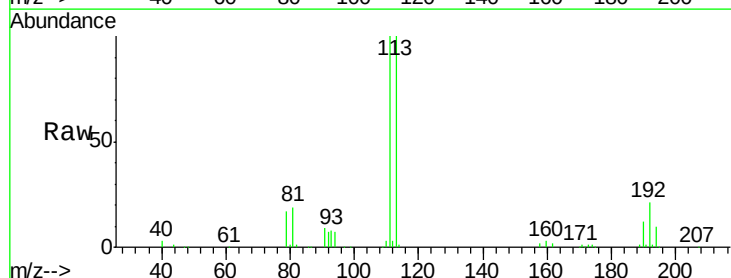
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS002-01

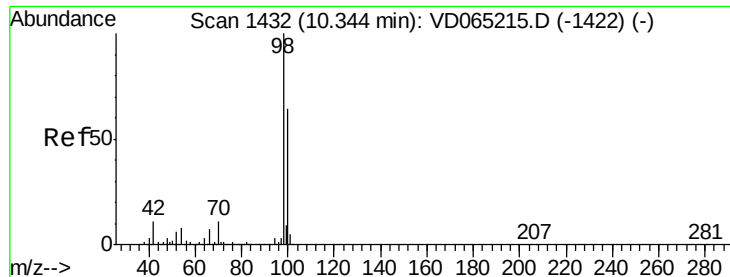
Tot Ion:114 Resp: 1001712  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 39.4  
 88 14.3 0.0 30.4



#35  
 Dibromofluoromethane  
 Concen: 51.418 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD065277.D  
 Acq: 21 Feb 2020 16:03

Tgt Ion:113 Resp: 314051  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 82.9 124.3  
 192 21.5 17.3 25.9

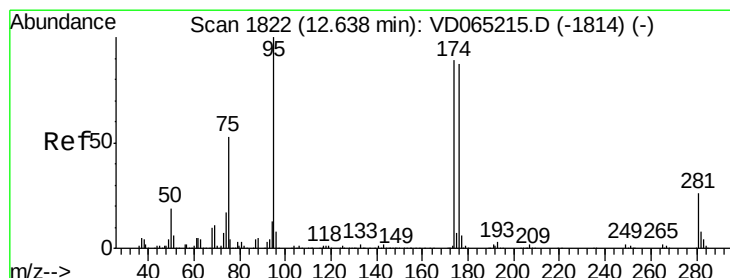
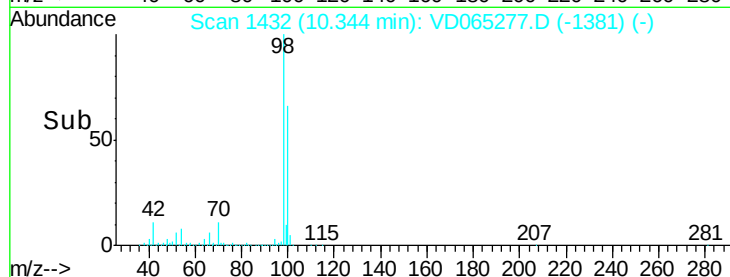
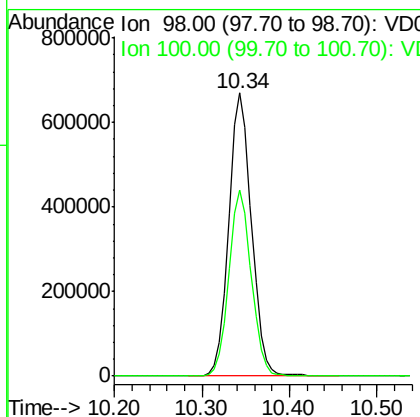
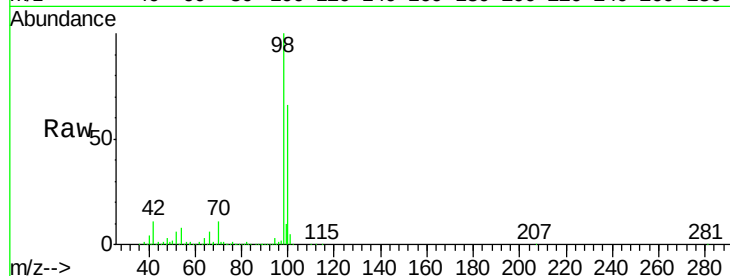




#50  
Toluene-d8  
Concen: 50.720 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065277.D  
Acq: 21 Feb 2020 16:03

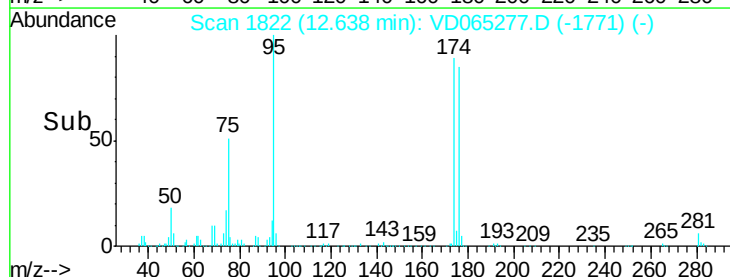
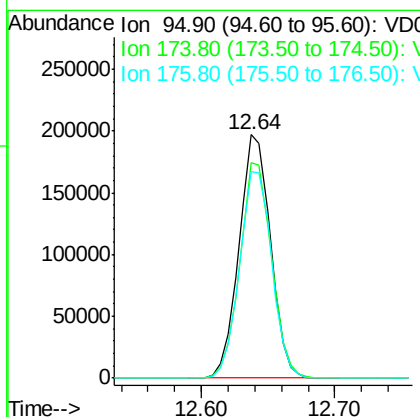
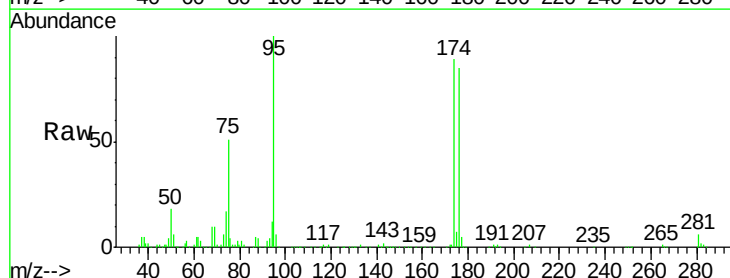
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS002-01

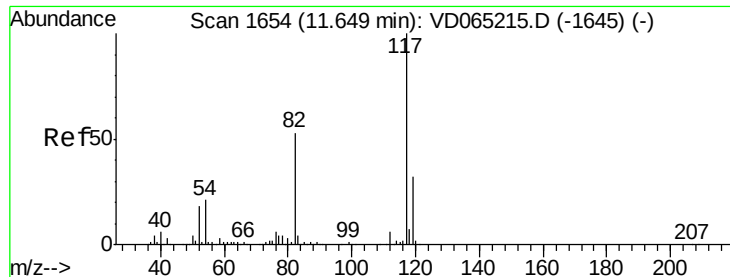
Tot Ion: 98 Resp: 1184308  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 43.430 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD065277.D  
Acq: 21 Feb 2020 16:03

Tgt Ion: 95 Resp: 321253  
Ion Ratio Lower Upper  
95 100  
174 88.9 0.0 178.0  
176 86.8 0.0 174.4

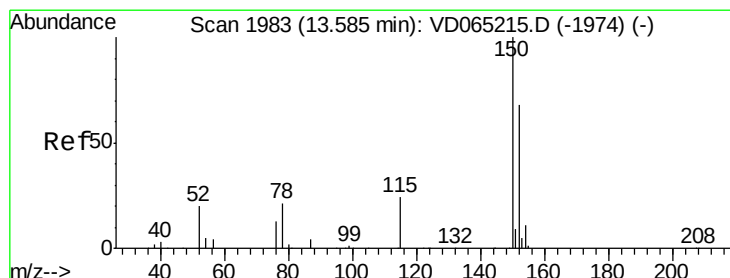
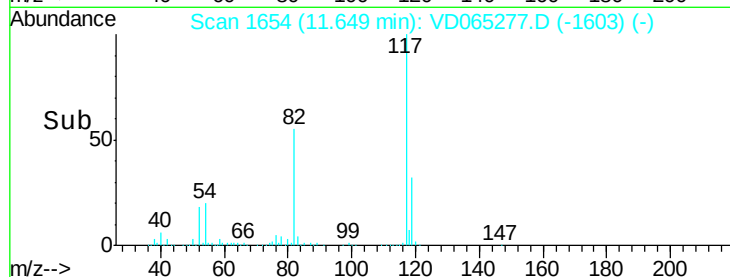
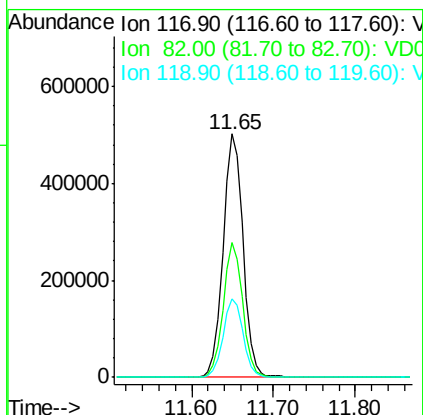
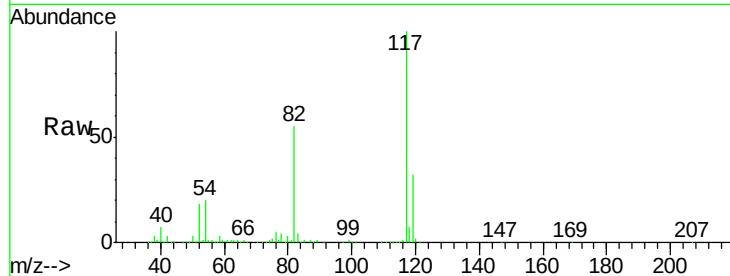




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065277.D  
Acq: 21 Feb 2020 16:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS002-01

Tot Ion:117 Resp: 850823  
Ion Ratio Lower Upper  
117 100  
82 55.3 42.7 64.1  
119 32.3 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD065277.D  
Acq: 21 Feb 2020 16:03

Tgt Ion:152 Resp: 328847  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.6 82.8  
150 157.0 0.0 347.4

