

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
 Data File : VD066945.D  
 Acq On : 29 Sep 2020 18:10  
 Operator : VA/SY  
 Sample : L4179-08  
 Misc : 5.03G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-11(1-2)

Quant Time: Sep 30 03:53:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 23 01:34:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 409764   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 692485   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 729941   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 354636   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 193019   | 48.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.26%  |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 219312   | 49.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.56%  |      |
| 50) Toluene-d8              | 10.34  | 98  | 840071   | 55.97 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.94% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 319317   | 62.14 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 124.28% |      |

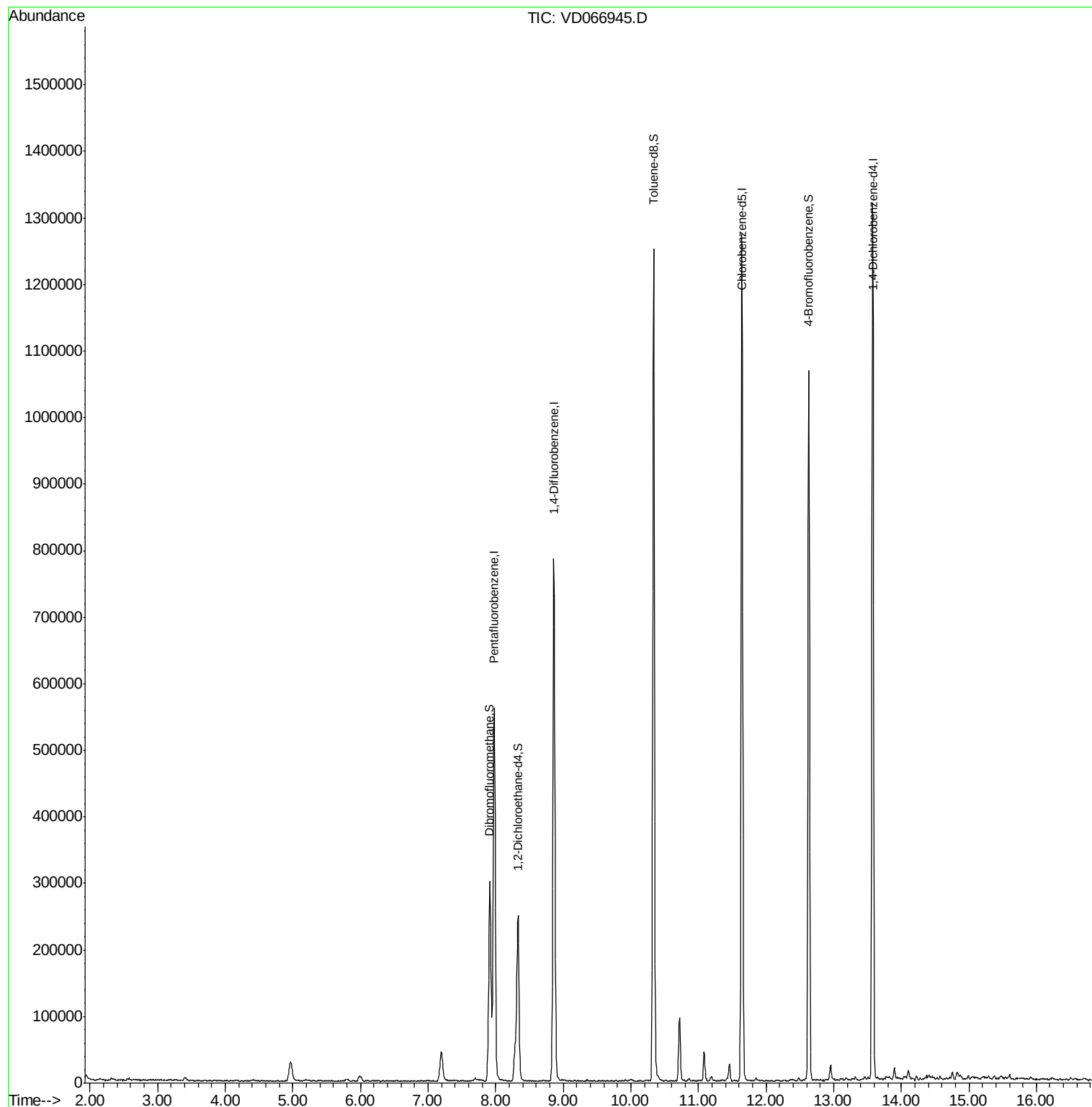
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

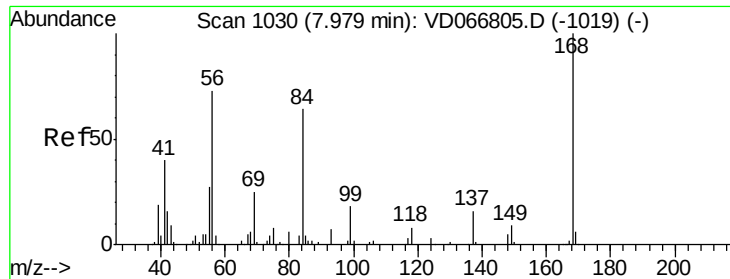
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Sep 23 01:34:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066945.D

Acq: 29 Sep 2020 18:10

Instrument :

MSVOA\_D

ClientSampleId :

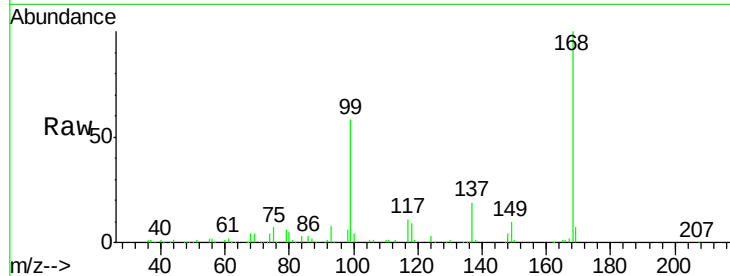
B-11(1-2)

Tot Ion:168 Resp: 409764

Ion Ratio Lower Upper

168 100

99 57.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

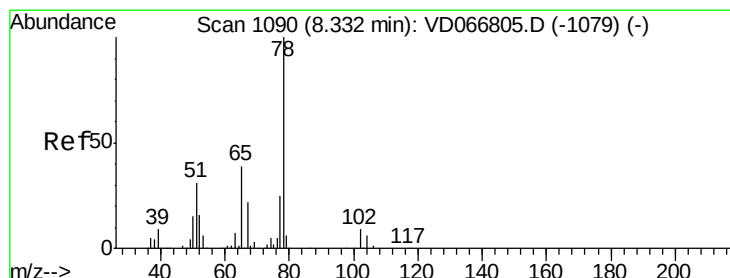
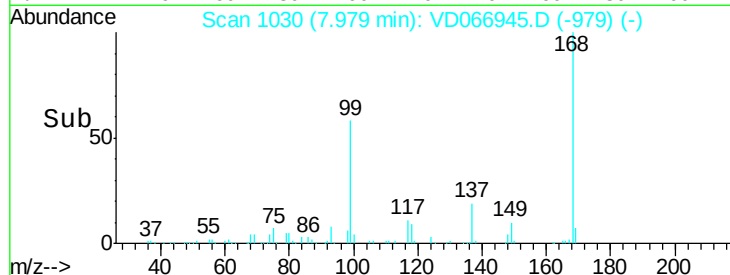
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.127 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066945.D

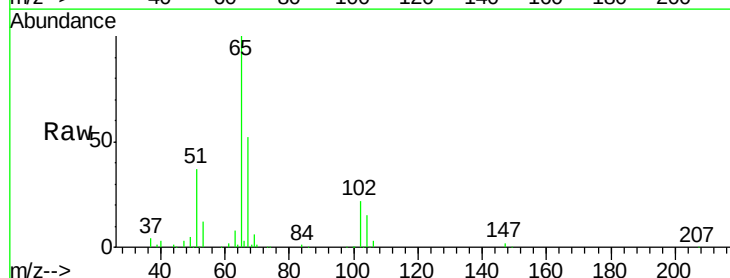
Acq: 29 Sep 2020 18:10

Tgt Ion: 65 Resp: 193019

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

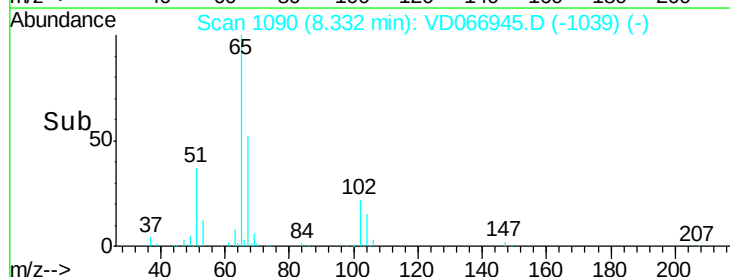
60000

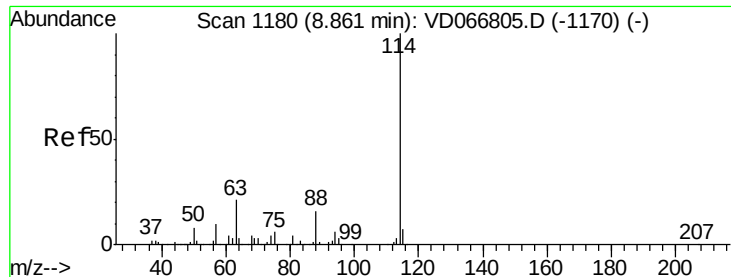
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066945.D

Acq: 29 Sep 2020 18:10

Instrument :

MSVOA\_D

ClientSampleId :

B-11(1-2)

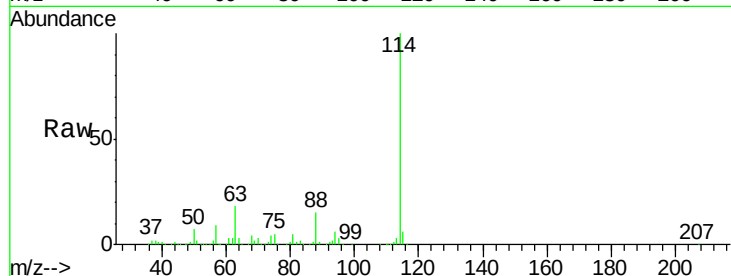
Tot Ion:114 Resp: 692485

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.6

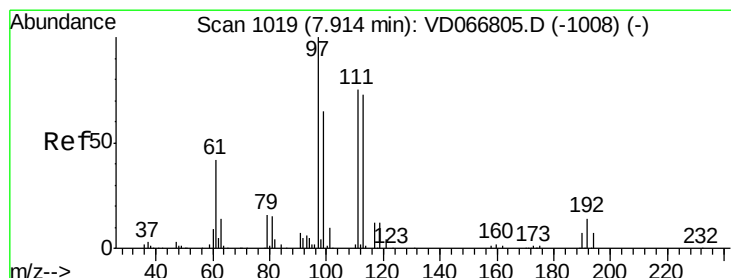
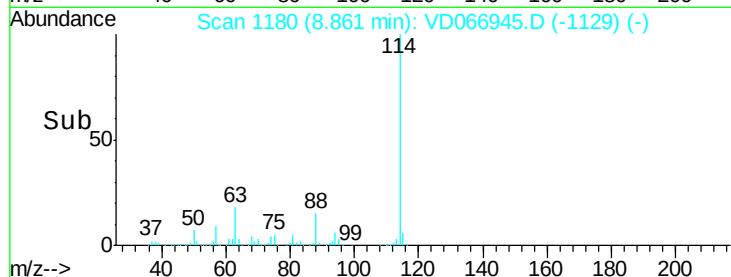
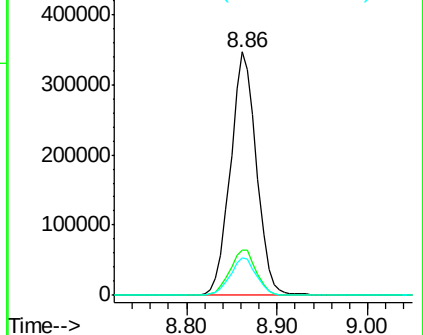
88 15.3 0.0 32.6



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: 49.780 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066945.D

Acq: 29 Sep 2020 18:10

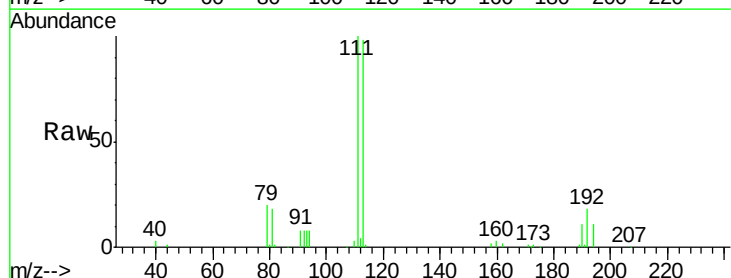
Tgt Ion:113 Resp: 219312

Ion Ratio Lower Upper

113 100

111 99.6 81.8 122.8

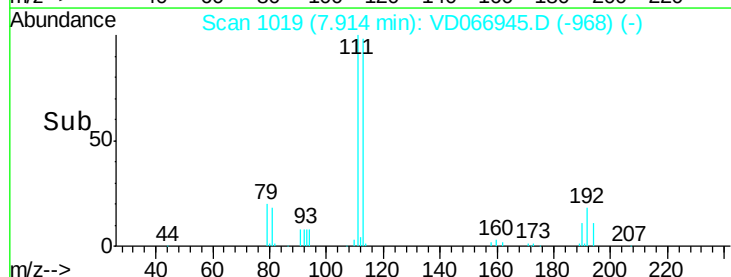
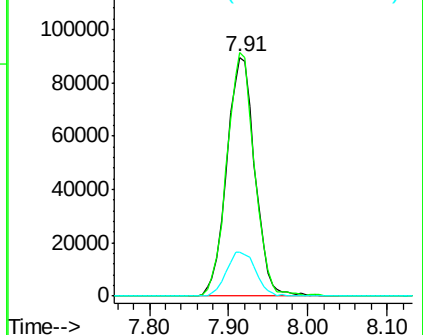
192 19.4 14.4 21.6

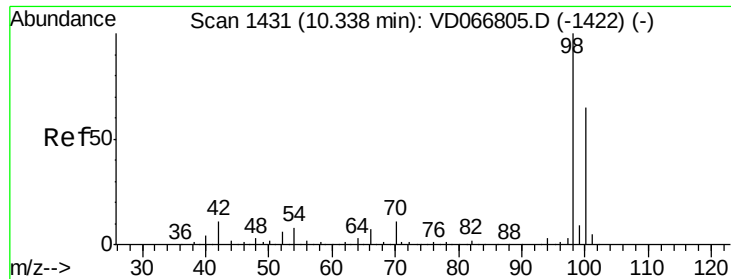


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 55.965 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066945.D

Acq: 29 Sep 2020 18:10

Instrument :

MSVOA\_D

ClientSampleId :

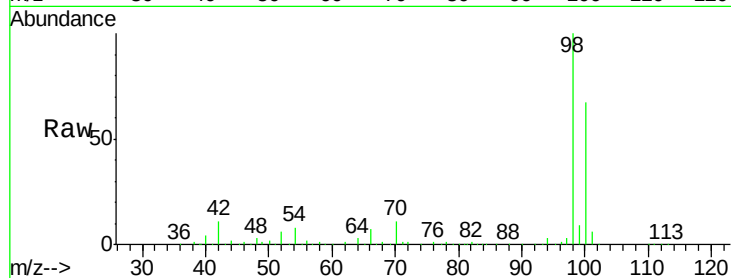
B-11(1-2)

Tot Ion: 98 Resp: 840071

Ion Ratio Lower Upper

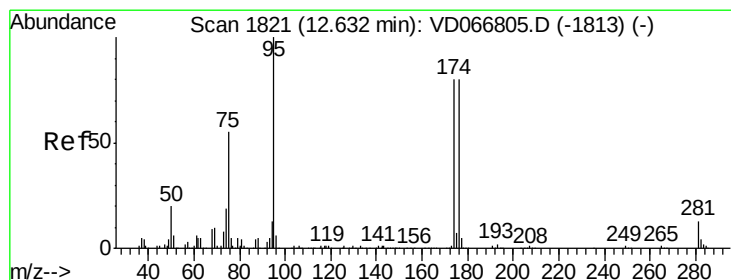
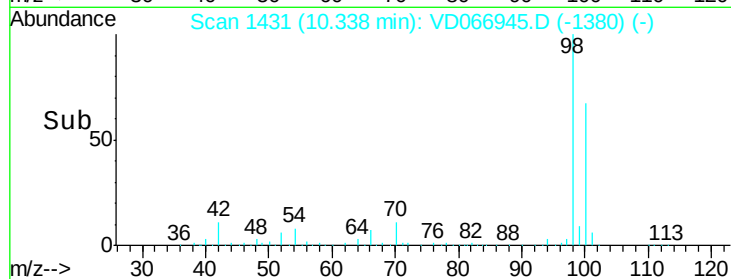
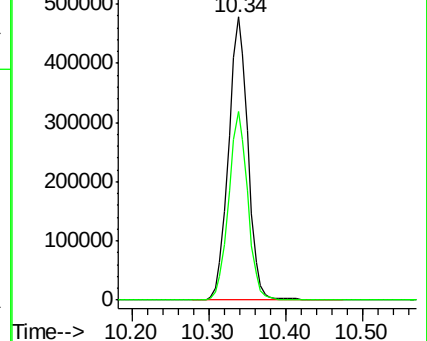
98 100

100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 62.140 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066945.D

Acq: 29 Sep 2020 18:10

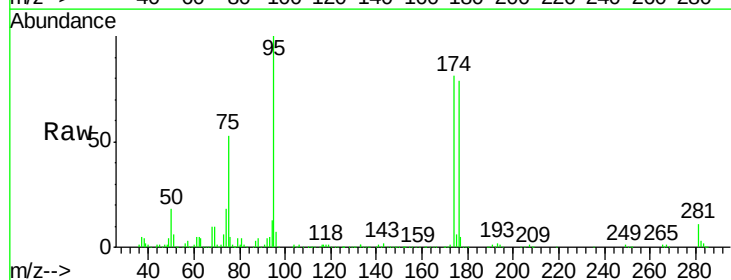
Tgt Ion: 95 Resp: 319317

Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.8

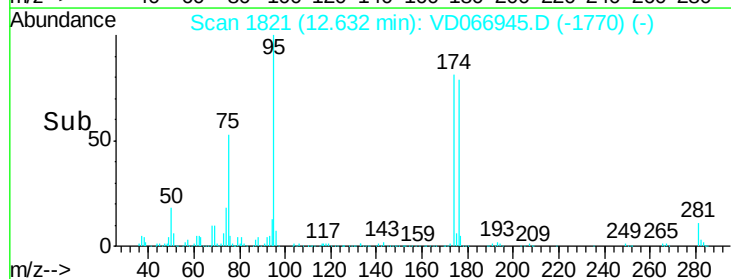
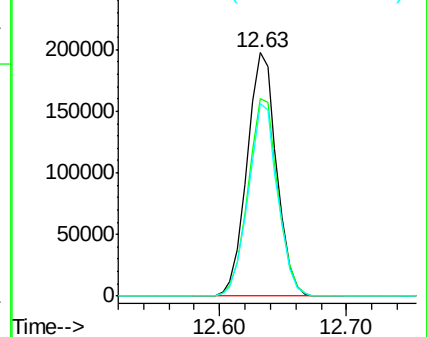
176 78.5 0.0 154.4

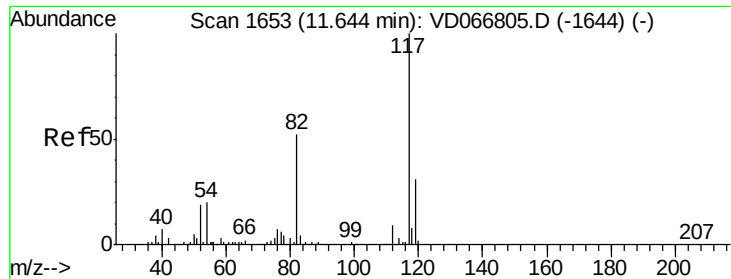


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

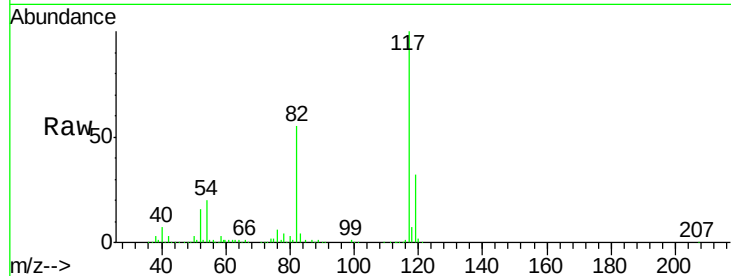




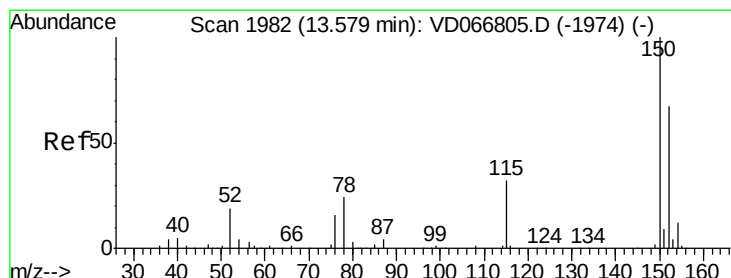
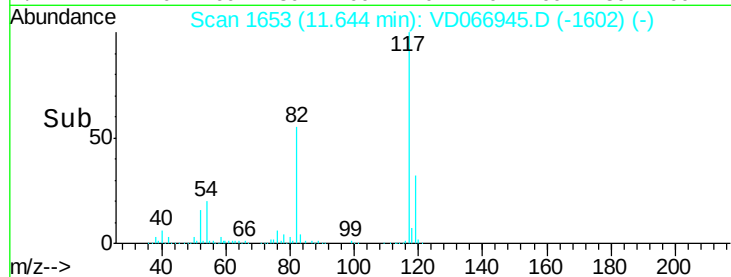
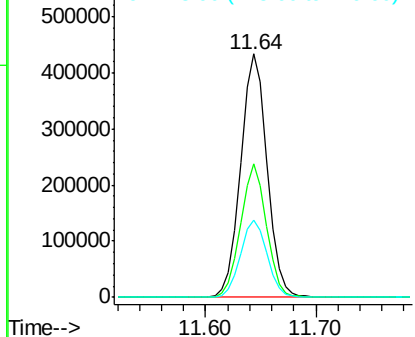
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066945.D  
Acq: 29 Sep 2020 18:10

Instrument :  
MSVOA\_D  
ClientSampled :  
B-11(1-2)

Tot Ion:117 Resp: 729941  
Ion Ratio Lower Upper  
117 100  
82 55.0 41.8 62.6  
119 32.0 24.6 37.0

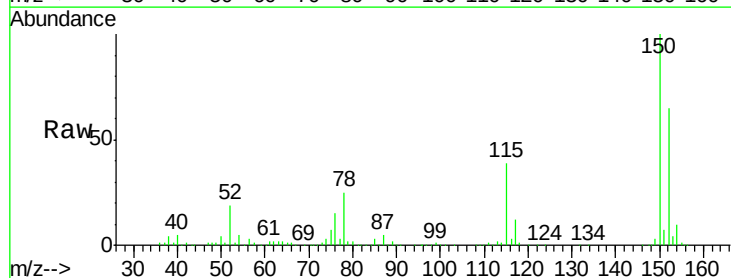


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066945.D  
Acq: 29 Sep 2020 18:10

Tgt Ion:152 Resp: 354636  
Ion Ratio Lower Upper  
152 100  
115 59.2 30.3 91.0  
150 155.6 0.0 346.2



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

