

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\  
 Data File : VD066661.D  
 Acq On : 11 Sep 2020 21:04  
 Operator : VA/SY  
 Sample : L3981-12  
 Misc : 12.16G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B20-7-9

Quant Time: Sep 12 02:13:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:57:04 2020  
 Response via : Initial Calibration

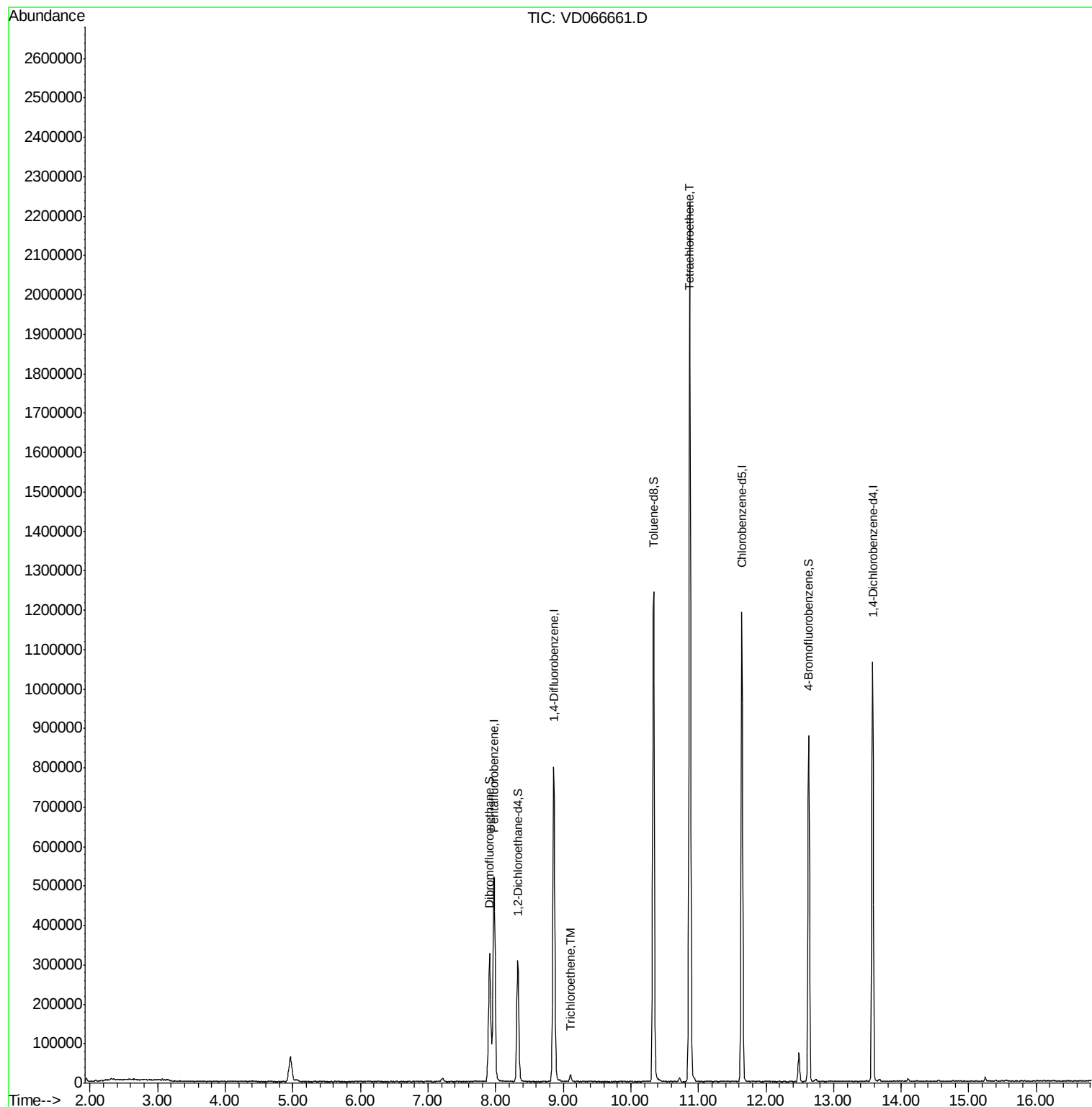
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 360417   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 663285   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 623023   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 265341   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 237900   | 54.56   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 109.12% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 228440   | 51.05   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.10% |          |
| 50) Toluene-d8              | 10.34 | 98   | 826414   | 51.67   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.34% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 272065   | 51.30   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.60% |          |
| Target Compounds            |       |      |          |         |         |          |
| 44) Trichloroethene         | 9.11  | 130  | 5304     | 1.070   | ug/l    | 100      |
| 64) Tetrachloroethene       | 10.87 | 164  | 476499   | 113.592 | ug/l    | 97       |

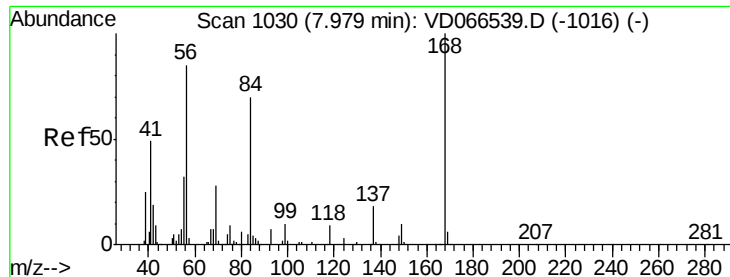
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\  
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Quant Title : SW846 8260  
QLast Update : Fri Sep 04 01:57:04 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: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA\_D

ClientSampleId :

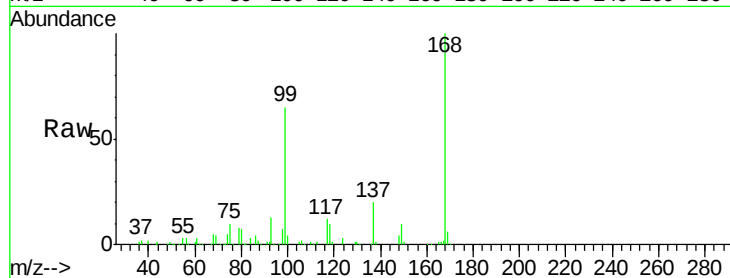
B20-7-9

Tot Ion:168 Resp: 360417

Ion Ratio Lower Upper

168 100

99 65.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

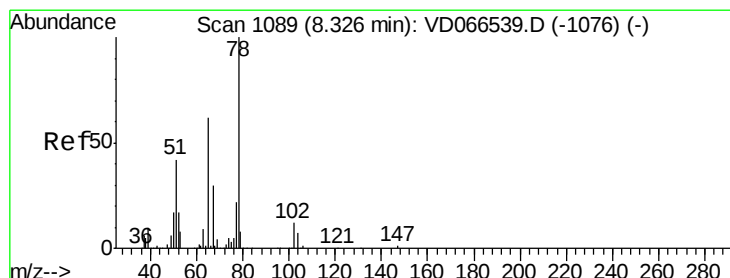
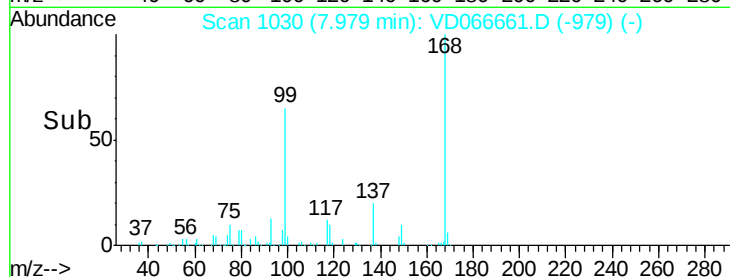
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.555 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066661.D

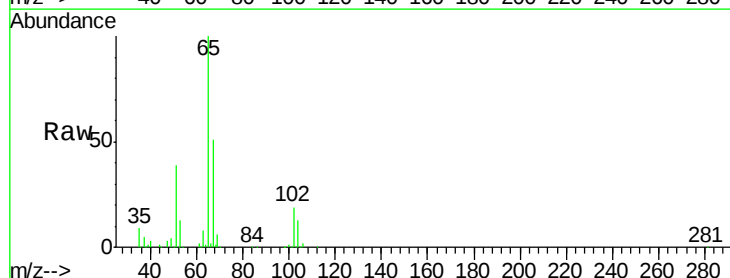
Acq: 11 Sep 2020 21:04

Tgt Ion: 65 Resp: 237900

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

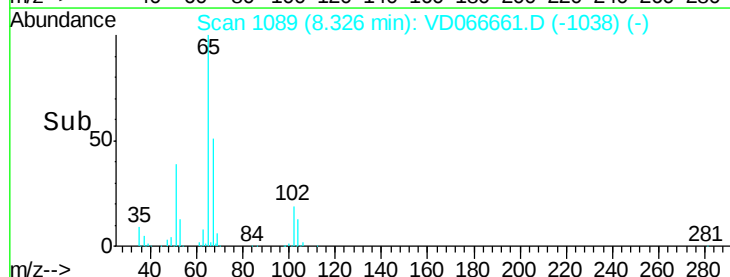
60000

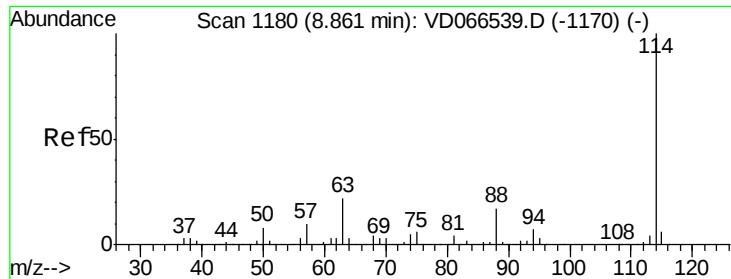
40000

20000

0

Time-->

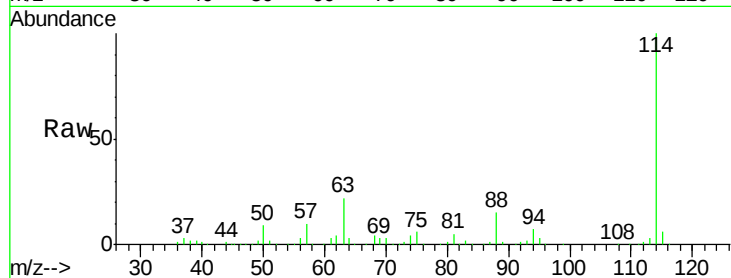




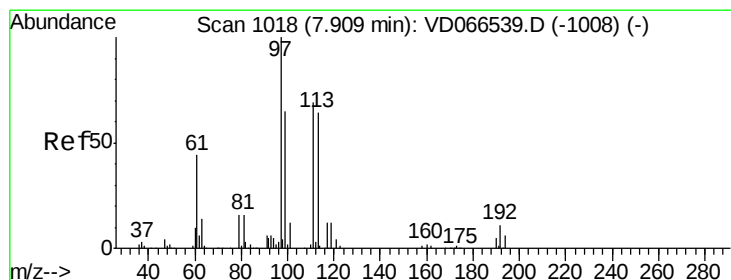
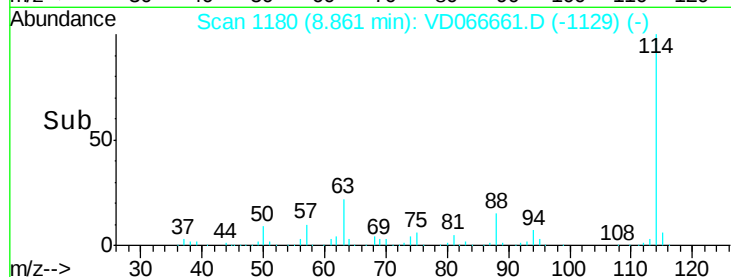
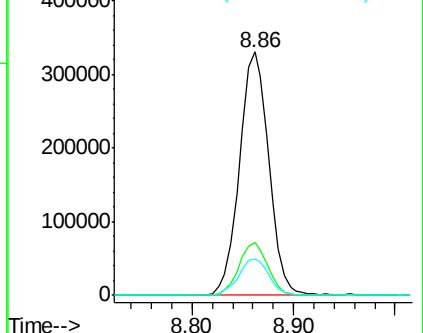
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066661.D  
 Acq: 11 Sep 2020 21:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B20-7-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.5  | 0.0   | 43.2  |
| 88      | 15.0  | 0.0   | 33.2  |

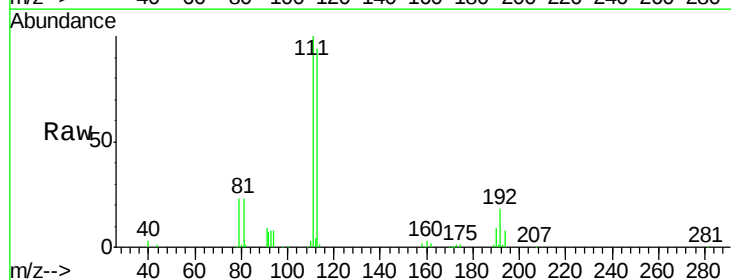


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

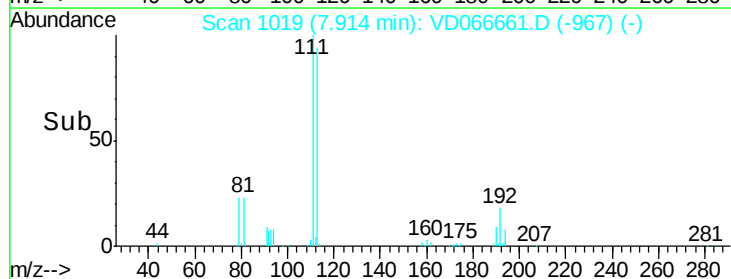
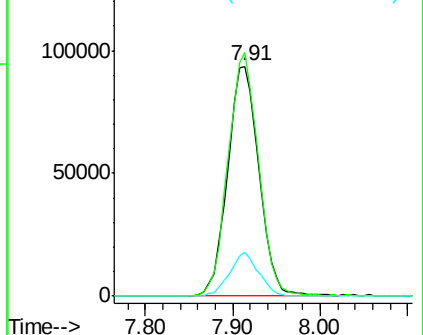


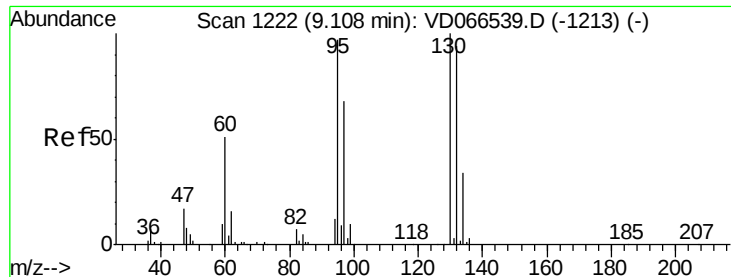
#35  
 Dibromofluoromethane  
 Concen: 51.053 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VD066661.D  
 Acq: 11 Sep 2020 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 83.2  | 124.8 |
| 192     | 17.5  | 13.7  | 20.5  |



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





#44

Trichloroethene

Concen: 1.070 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA\_D

ClientSampleId :

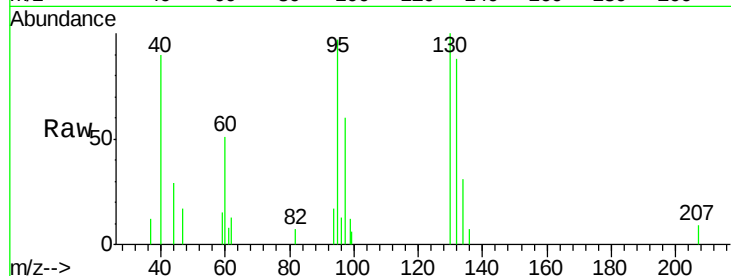
B20-7-9

Tot Ion:130 Resp: 5304

Ion Ratio Lower Upper

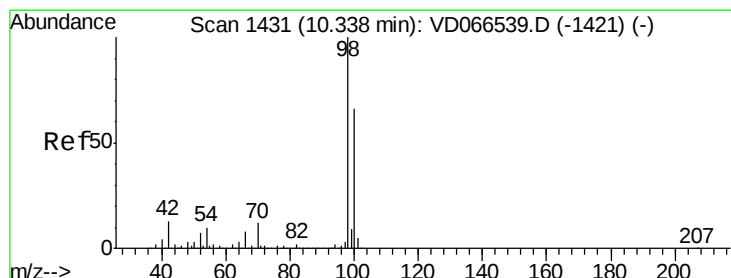
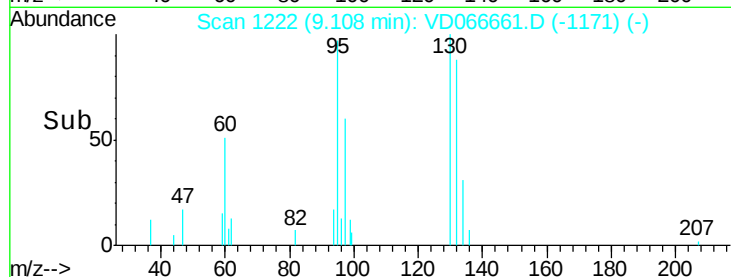
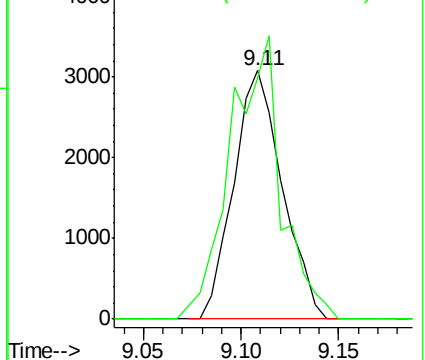
130 100

95 97.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 51.674 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066661.D

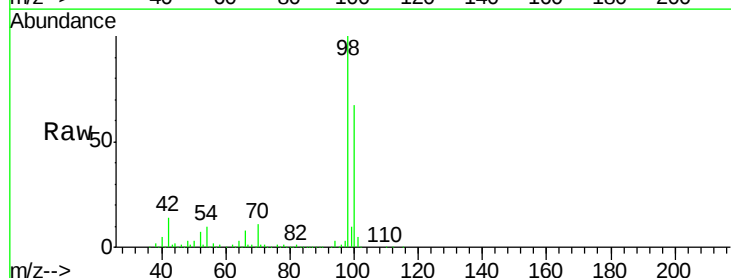
Acq: 11 Sep 2020 21:04

Tgt Ion: 98 Resp: 826414

Ion Ratio Lower Upper

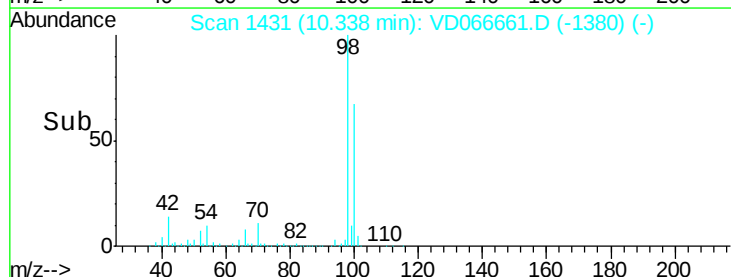
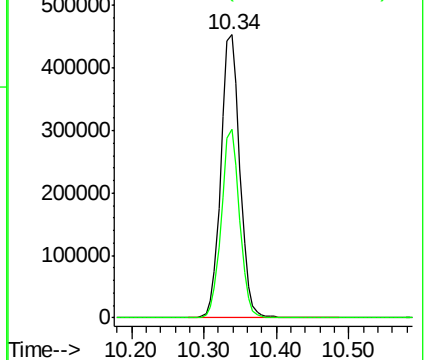
98 100

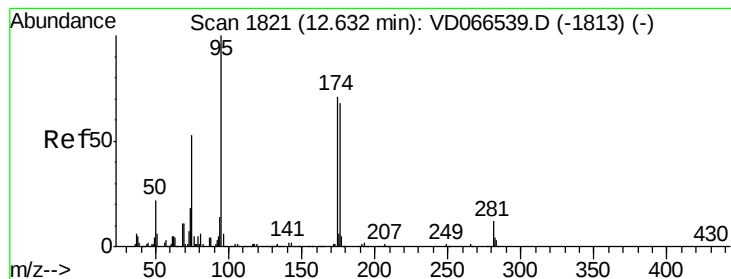
100 64.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 51.304 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA\_D

ClientSampleId :

B20-7-9

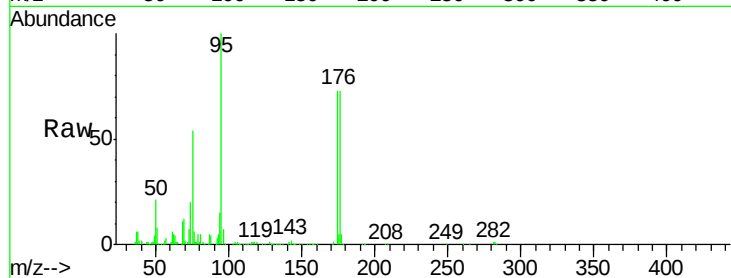
Tot Ion: 95 Resp: 272065

Ion Ratio Lower Upper

95 100

174 75.9 0.0 155.8

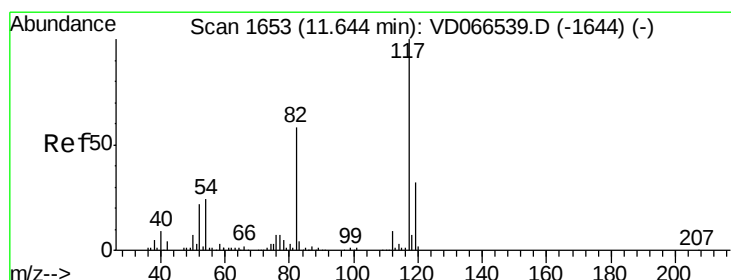
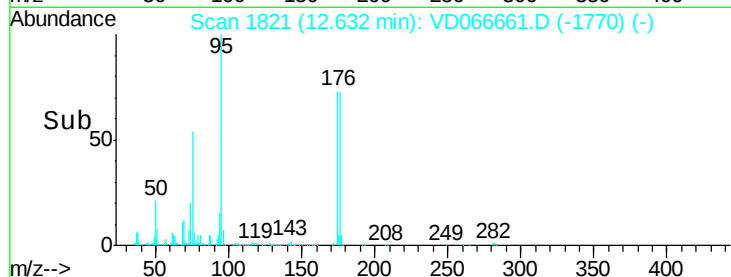
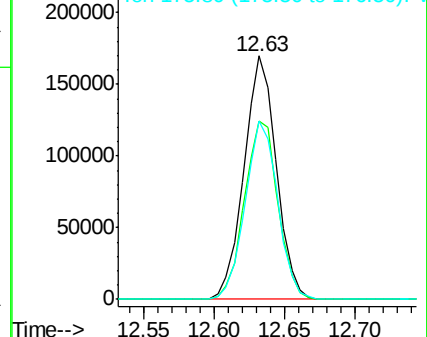
176 73.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

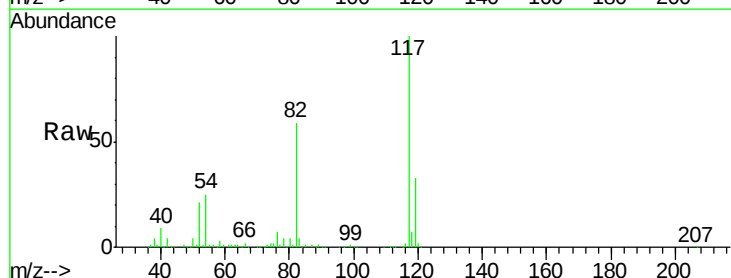
Tgt Ion: 117 Resp: 623023

Ion Ratio Lower Upper

117 100

82 58.5 46.2 69.2

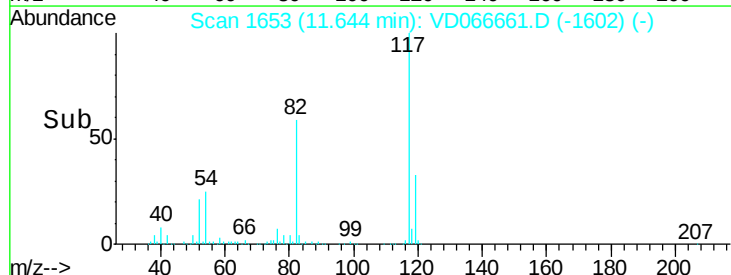
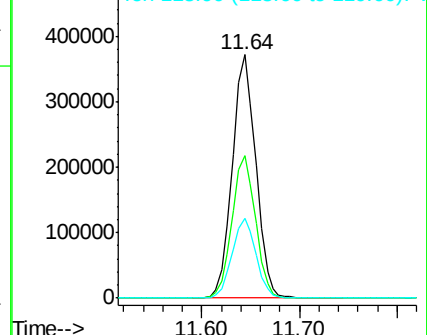
119 32.9 25.8 38.8

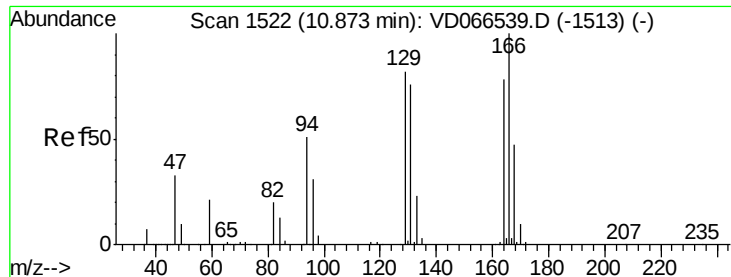


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 113.592 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA\_D

ClientSampleId :

B20-7-9

Tot Ion:164 Resp: 476499

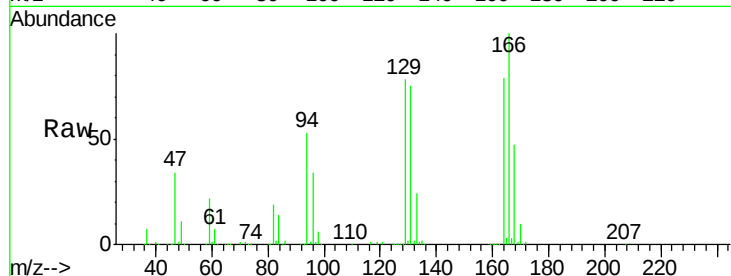
Ion Ratio Lower Upper

164 100

166 127.4 103.2 154.8

129 99.5 84.5 126.7

131 95.7 78.9 118.3

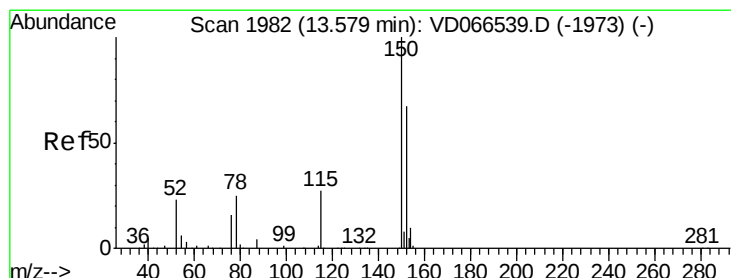
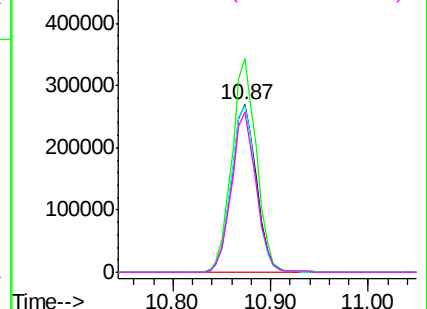
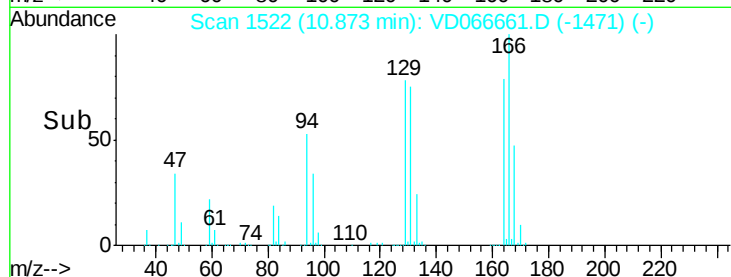


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD066661.D

Acq: 11 Sep 2020 21:04

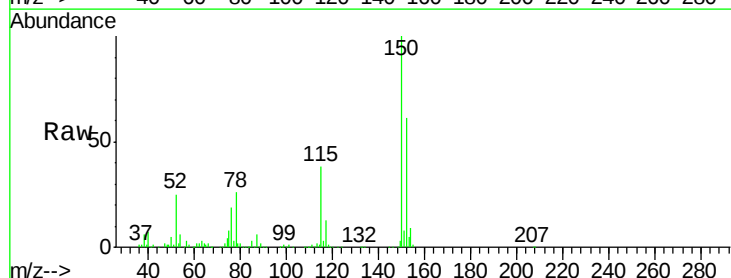
Tgt Ion:152 Resp: 265341

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

150 155.5 0.0 345.8



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

