

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\  
 Data File : VD066589.D  
 Acq On : 09 Sep 2020 17:59  
 Operator : VA/SY  
 Sample : L3919-04  
 Misc : 7.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-11

Quant Time: Sep 10 02:15:54 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

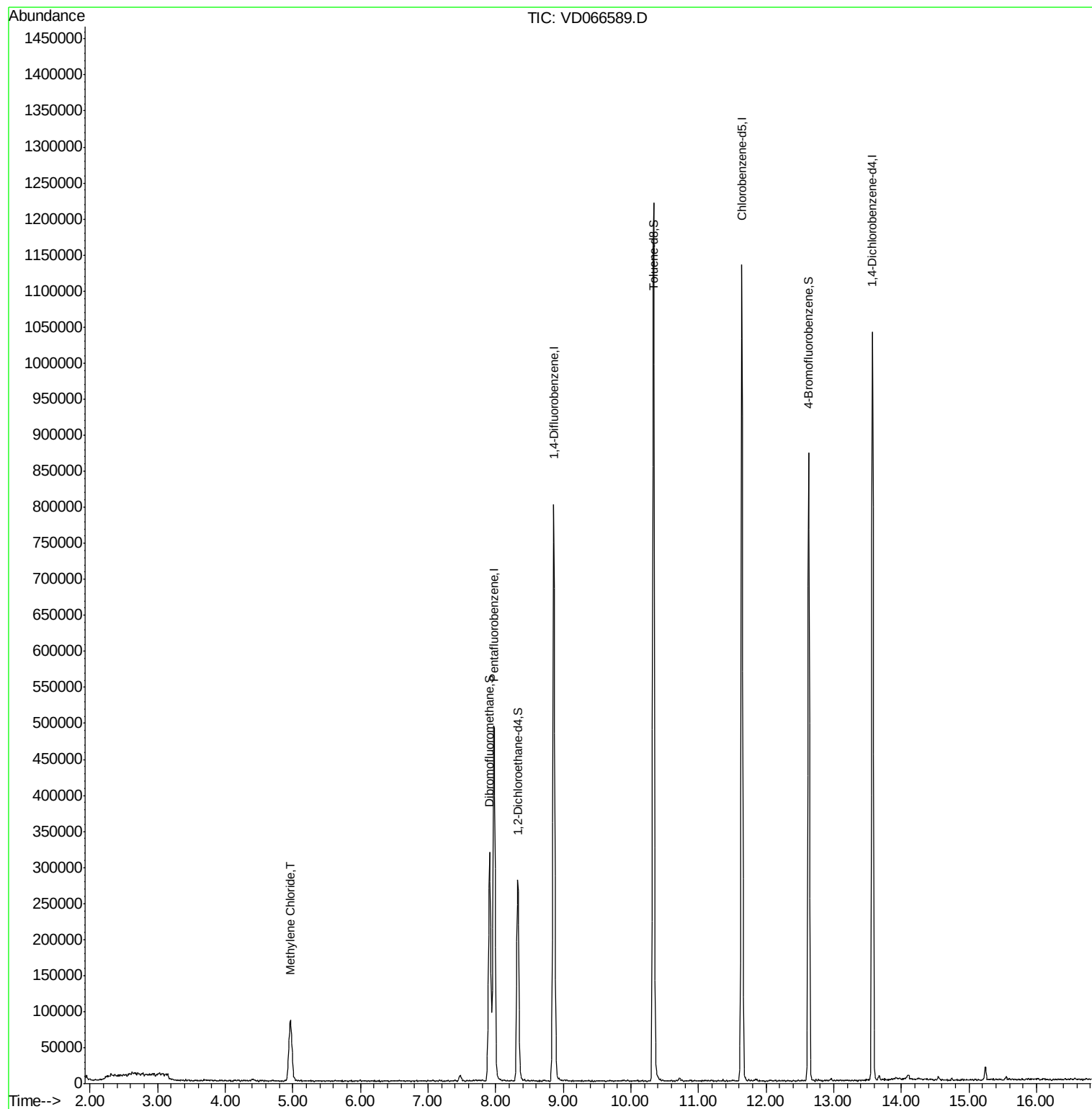
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.97  | 168  | 333755   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 633866   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 602022   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 258286   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 235243   | 58.26  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.52% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 223426   | 52.25  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.50% |           |
| 50) Toluene-d8              | 10.34 | 98   | 789452   | 51.65  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.30% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 257934   | 50.90  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.80% |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.96  | 84   | 65169    | 10.922 | ug/l    | Qvalue 97 |

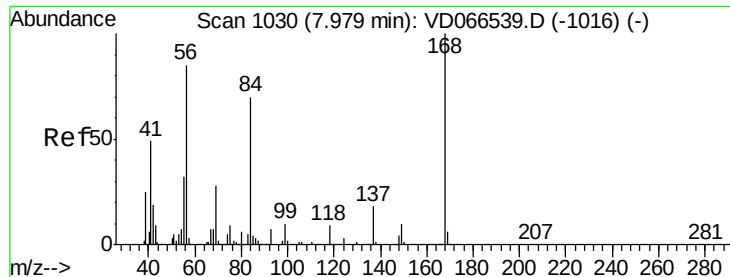
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA\_D

ClientSampleId :

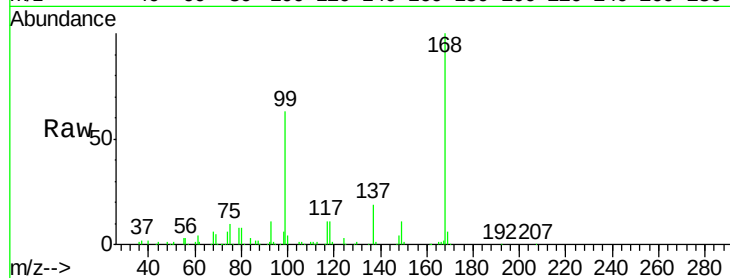
TP-11

Tot Ion:168 Resp: 333755

Ion Ratio Lower Upper

168 100

99 63.2 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

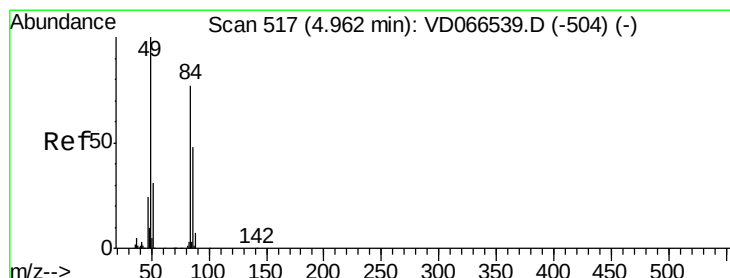
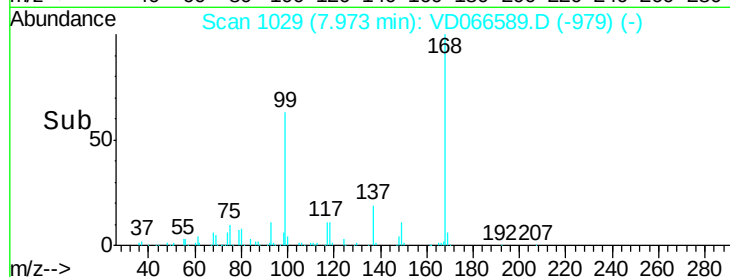
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 10.922 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Tgt Ion: 84 Resp: 65169

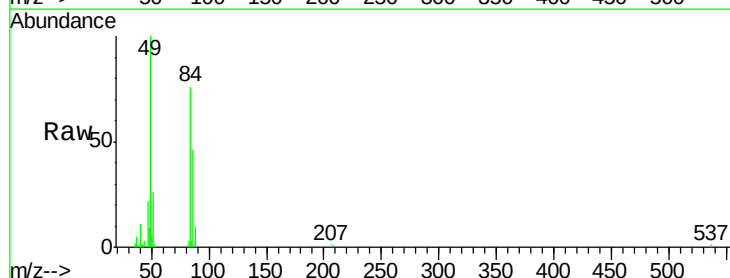
Ion Ratio Lower Upper

84 100

49 130.8 104.3 156.5

51 34.6 32.2 48.4

86 60.1 50.0 75.0



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.96

40000

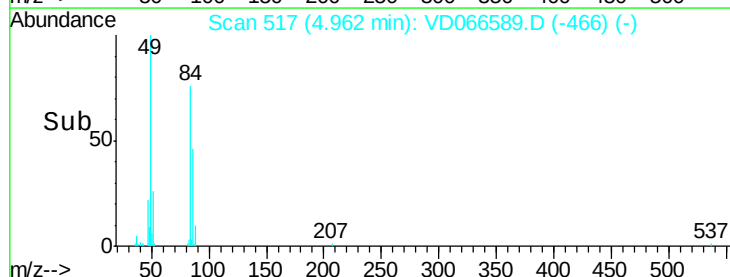
30000

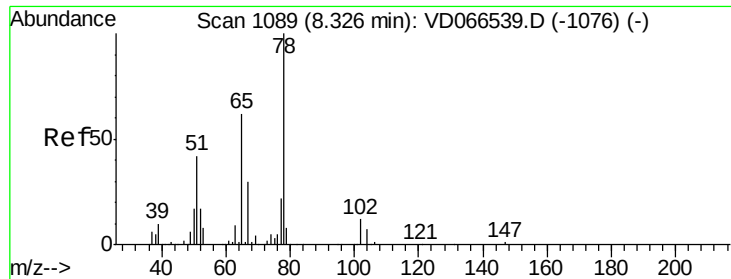
20000

10000

0

Time-->

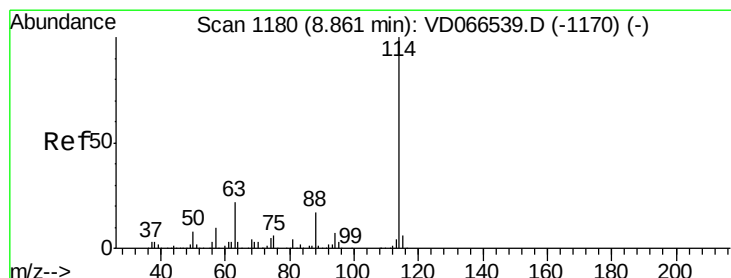
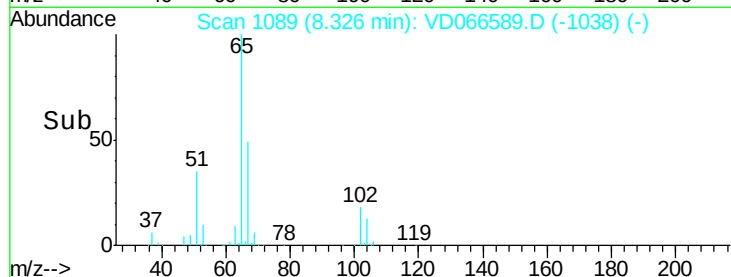
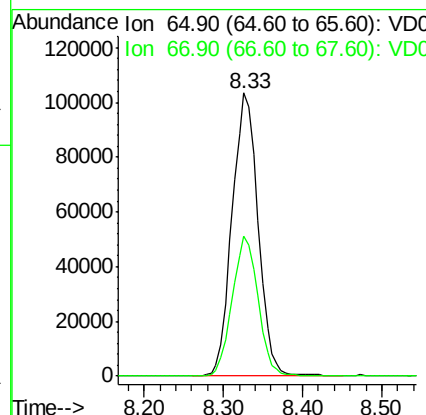
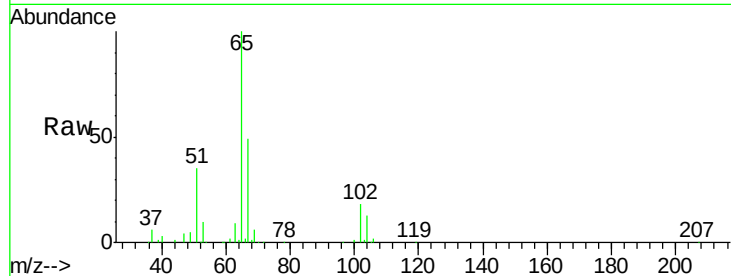




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.256 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.00 min  
 Lab File: VD066589.D  
 Acq: 09 Sep 2020 17:59

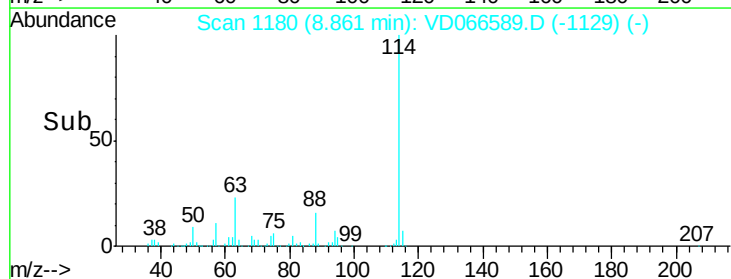
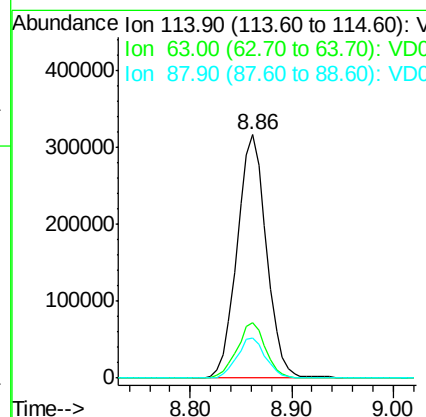
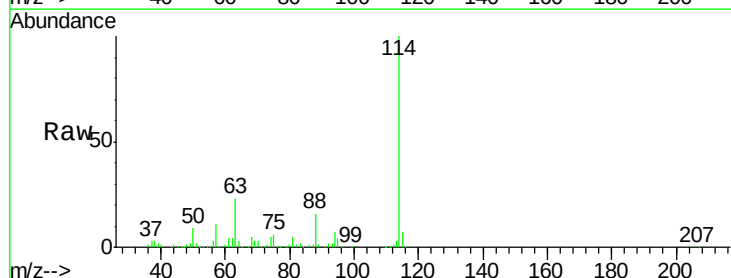
Instrument :  
 MSVOA\_D  
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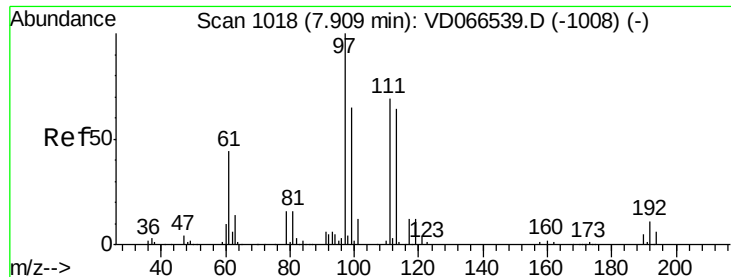
Tot Ion: 65 Resp: 235243  
 Ion Ratio Lower Upper  
 65 100  
 67 48.9 0.0 102.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066589.D  
 Acq: 09 Sep 2020 17:59

Tgt Ion: 114 Resp: 633866  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 43.2  
 88 16.4 0.0 33.2

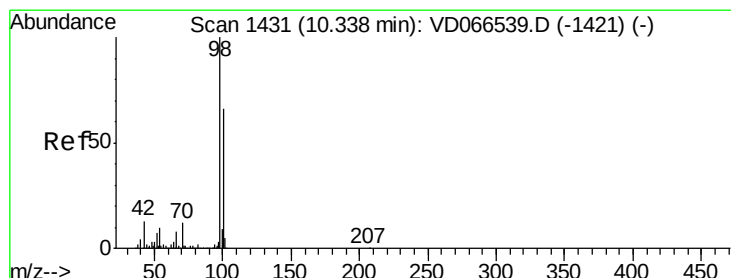
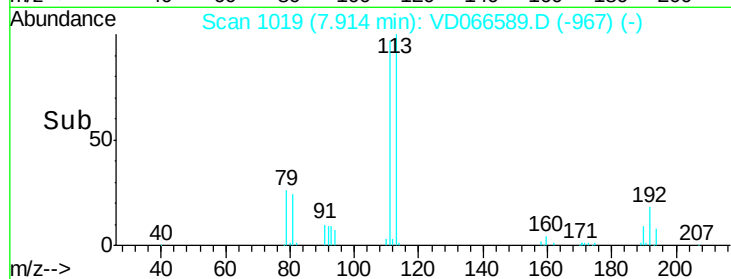
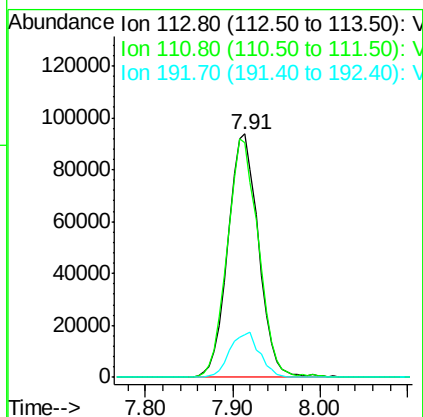
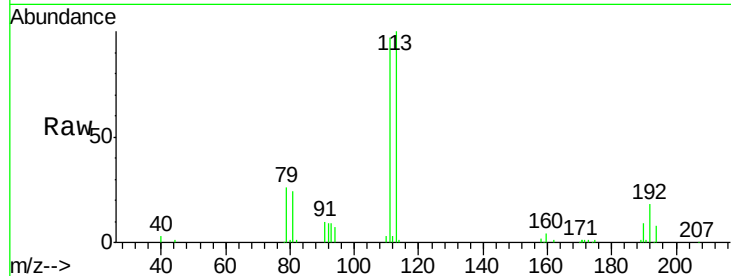




#35  
 Dibromofluoromethane  
 Concen: 52.250 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VD066589.D  
 Acq: 09 Sep 2020 17:59

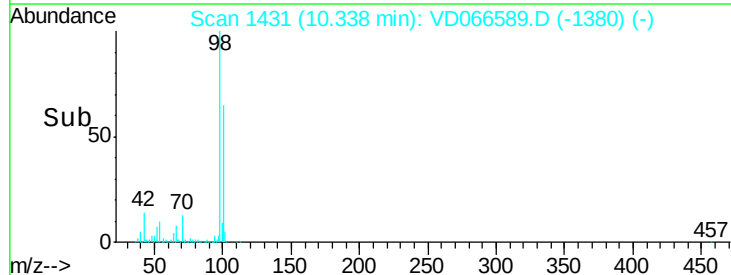
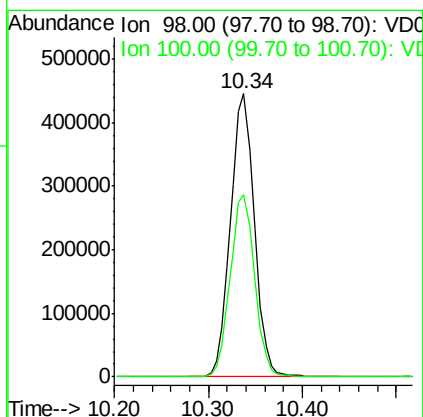
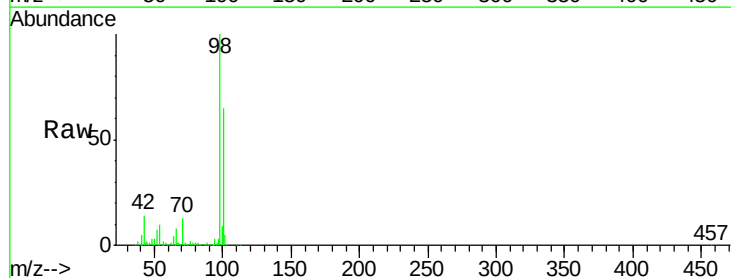
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-11

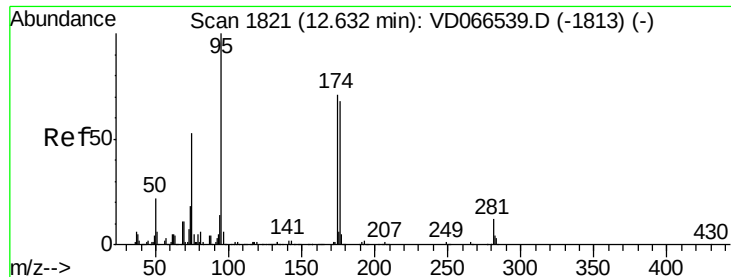
Tot Ion:113 Resp: 223426  
 Ion Ratio Lower Upper  
 113 100  
 111 99.3 83.2 124.8  
 192 18.0 13.7 20.5



#50  
 Toluene-d8  
 Concen: 51.654 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. -0.00 min  
 Lab File: VD066589.D  
 Acq: 09 Sep 2020 17:59

Tgt Ion: 98 Resp: 789452  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 50.896 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA\_D

ClientSampleId :

TP-11

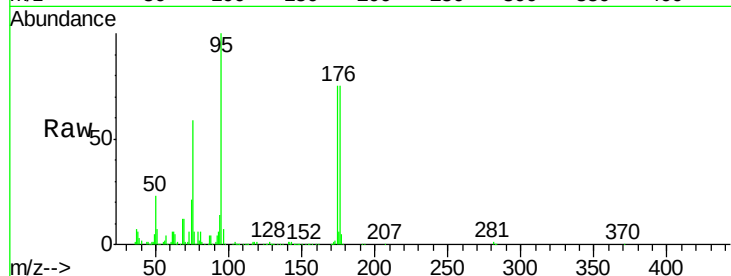
Tot Ion: 95 Resp: 257934

Ion Ratio Lower Upper

95 100

174 77.4 0.0 155.8

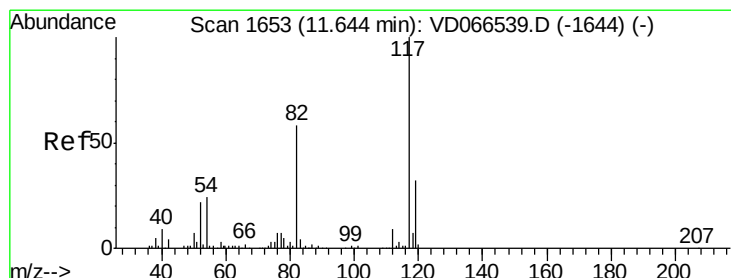
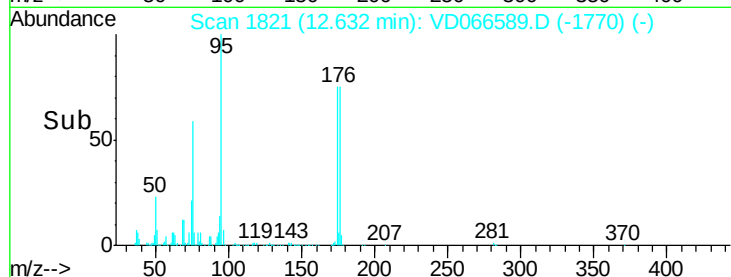
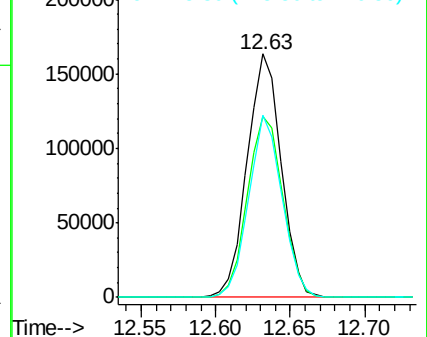
176 73.0 0.0 148.6



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: VD066589.D

Acq: 09 Sep 2020 17:59

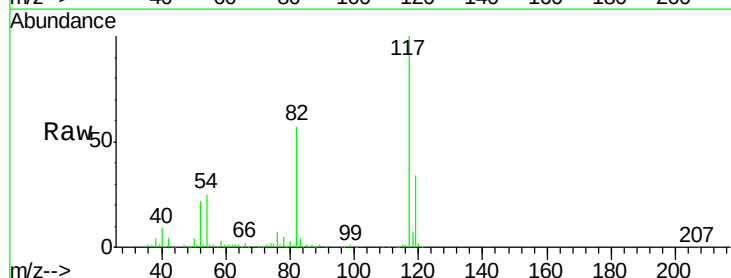
Tgt Ion: 117 Resp: 602022

Ion Ratio Lower Upper

117 100

82 57.1 46.2 69.2

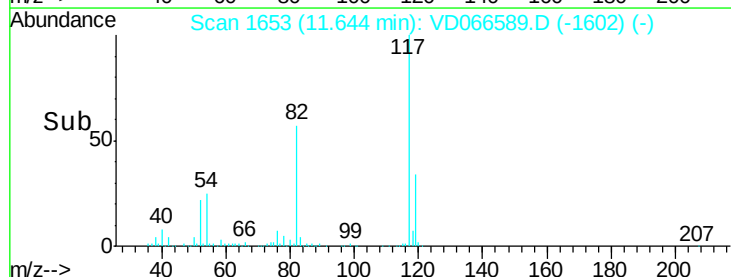
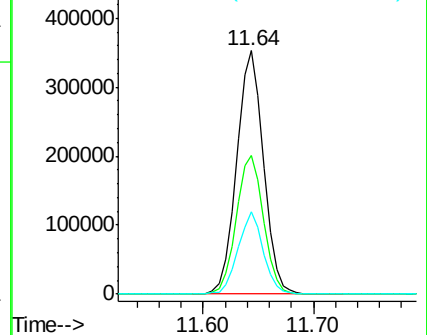
119 34.0 25.8 38.8

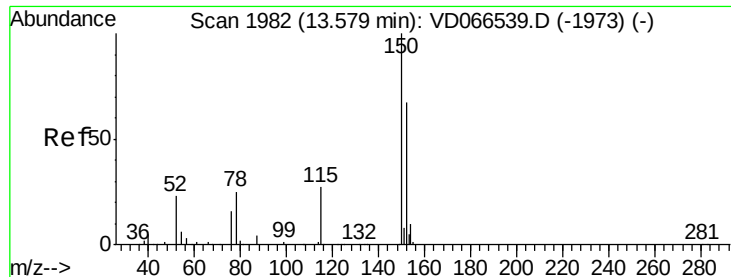


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA\_D

ClientSampleId :

TP-11

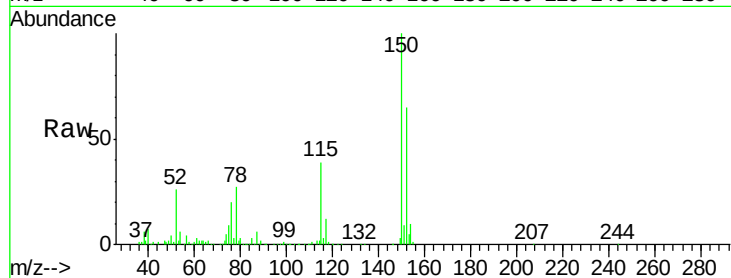
Tot Ion:152 Resp: 258286

Ion Ratio Lower Upper

152 100

115 63.7 30.4 91.2

150 158.5 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

