

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
 Data File : VD066052.D  
 Acq On : 24 Jul 2020 17:29  
 Operator : VA/SY  
 Sample : L3428-02  
 Misc : 7.65G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1-S2

Quant Time: Jul 25 00:45:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 12:34:13 2020  
 Response via : Initial Calibration

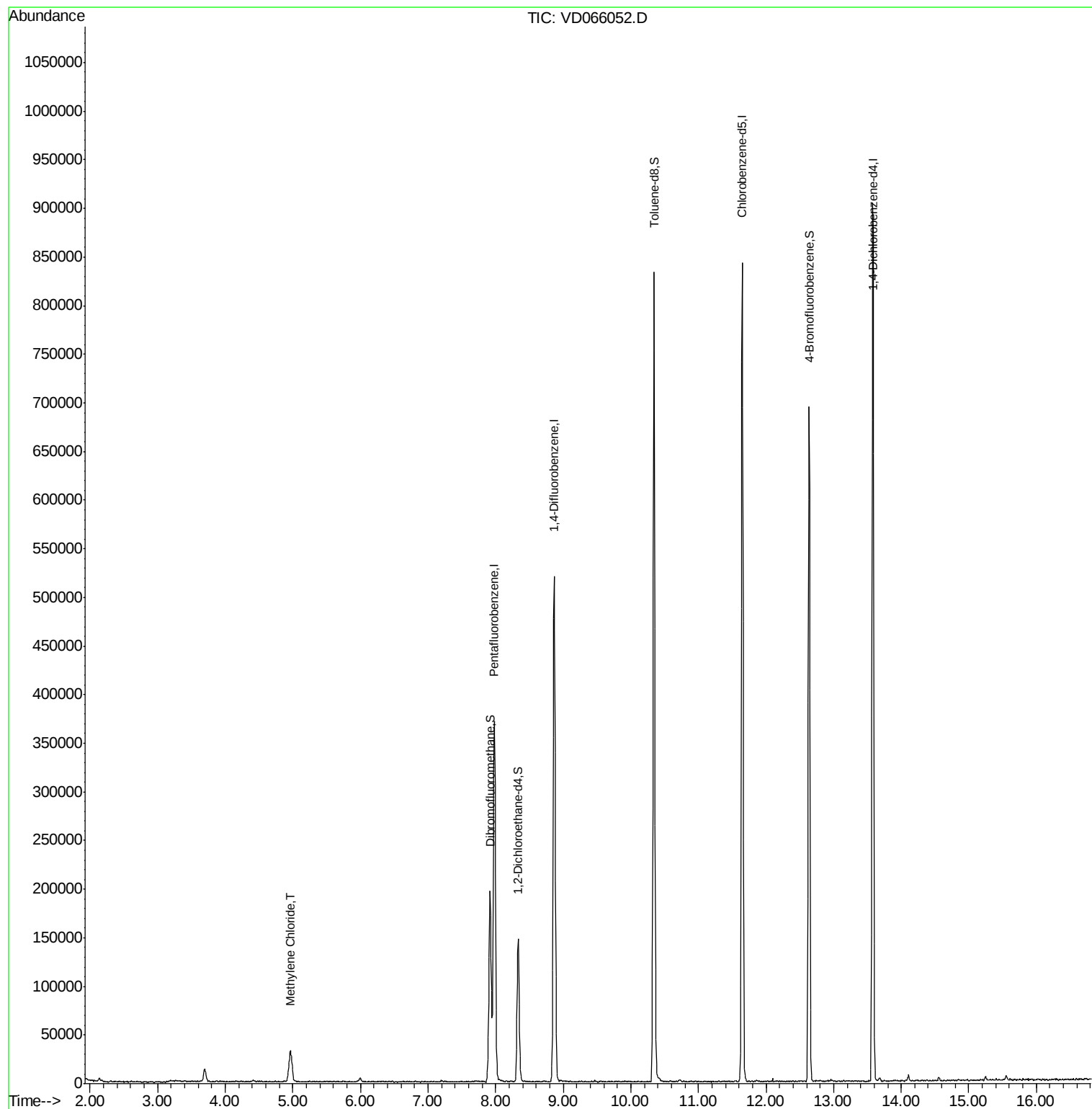
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 298928   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 459361   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 488653   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 258376   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 117609   | 48.35 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.70%  |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 139659   | 50.13 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.26% |           |
| 50) Toluene-d8              | 10.34 | 98   | 557987   | 53.76 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.52% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 222842   | 61.92 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 123.84% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.97  | 84   | 24998    | 6.609 | ug/l    | Qvalue 96 |

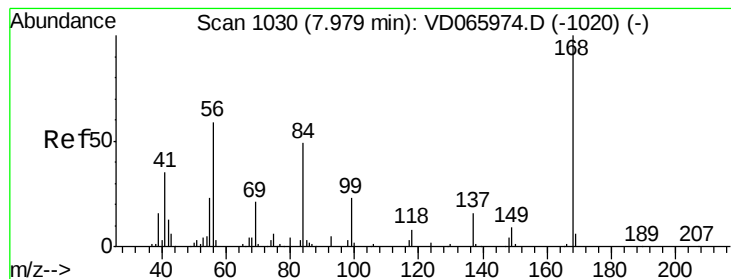
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072120S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 21 12:34:13 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: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA\_D

ClientSampleId :

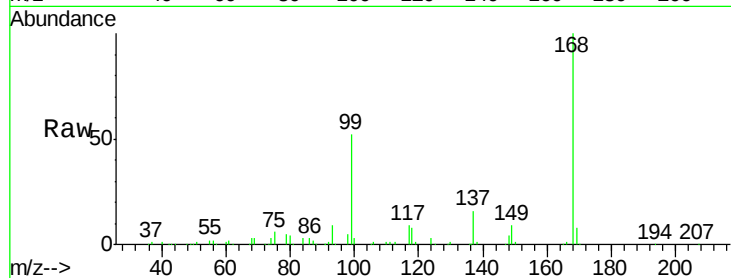
TP-1-S2

Tot Ion:168 Resp: 298928

Ion Ratio Lower Upper

168 100

99 51.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

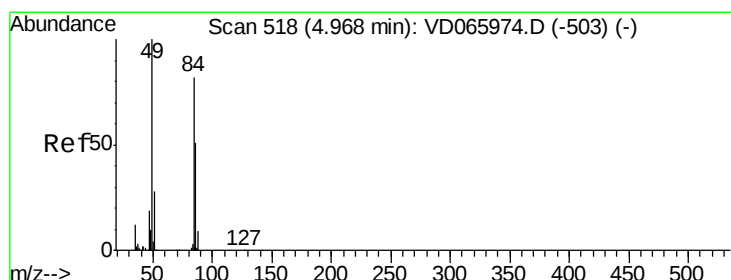
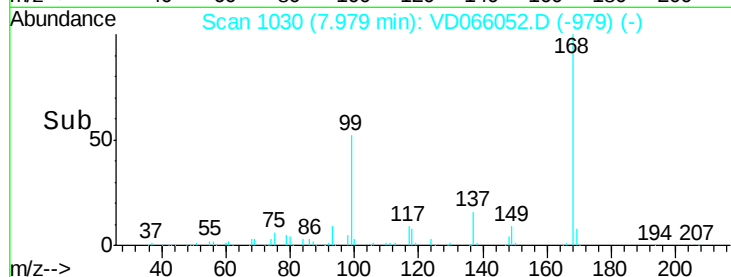
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 6.609 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

Tgt Ion: 84 Resp: 24998

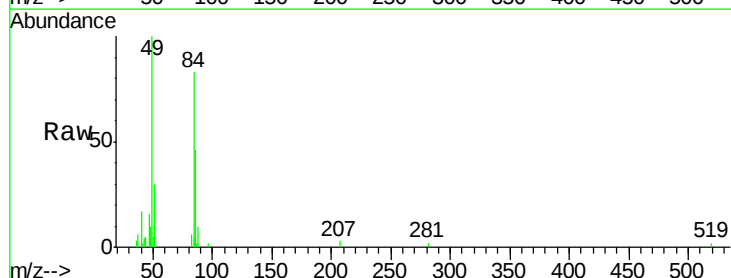
Ion Ratio Lower Upper

84 100

49 120.5 97.7 146.5

51 35.9 27.4 41.2

86 55.1 49.4 74.2



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

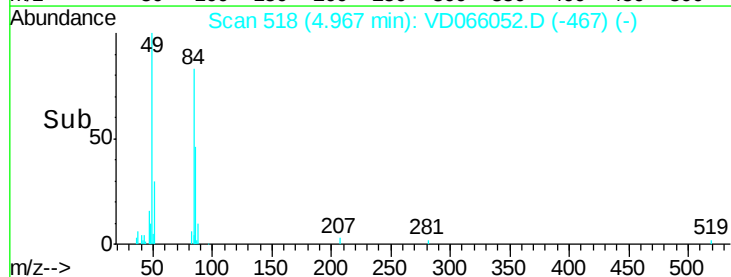
15000

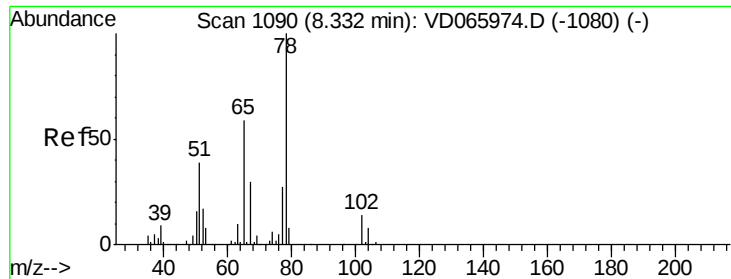
10000

5000

0

Time-->

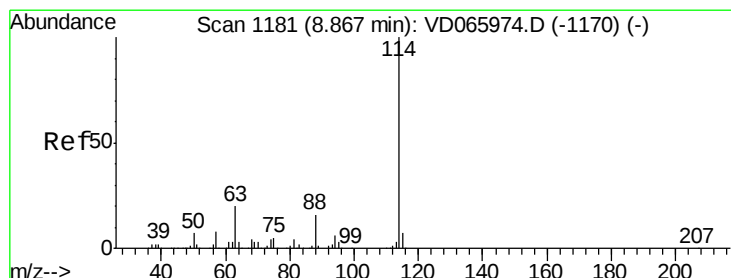
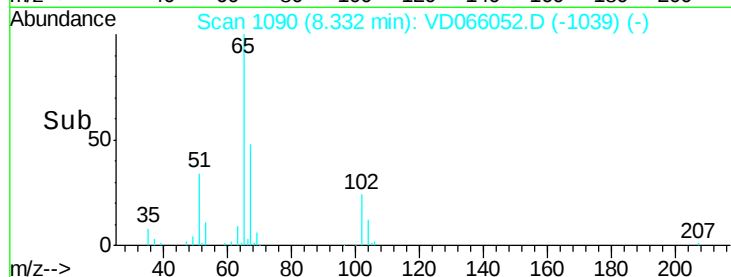
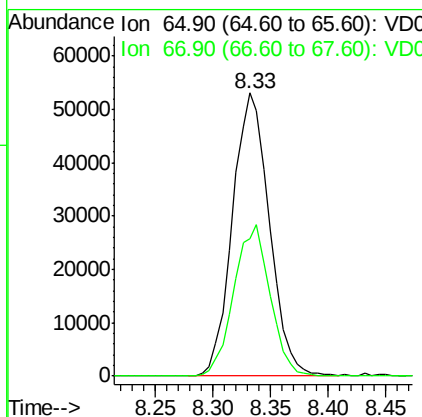
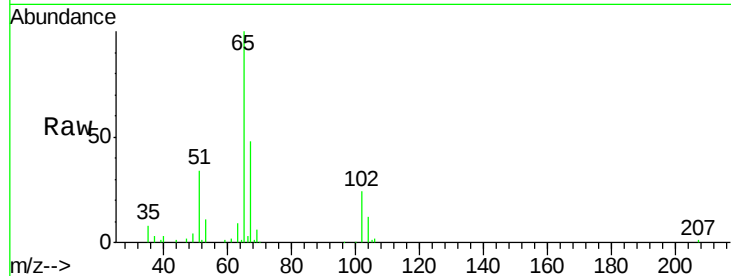




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.352 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.00 min  
 Lab File: VD066052.D  
 Acq: 24 Jul 2020 17:29

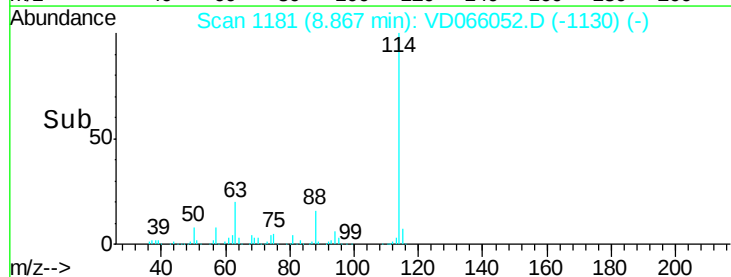
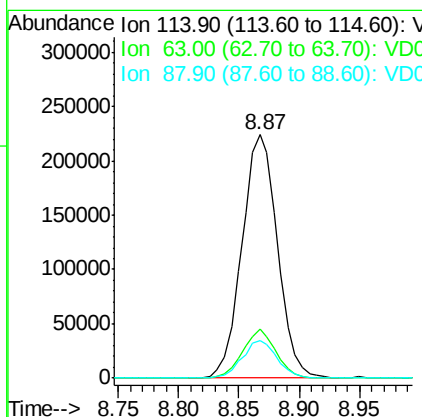
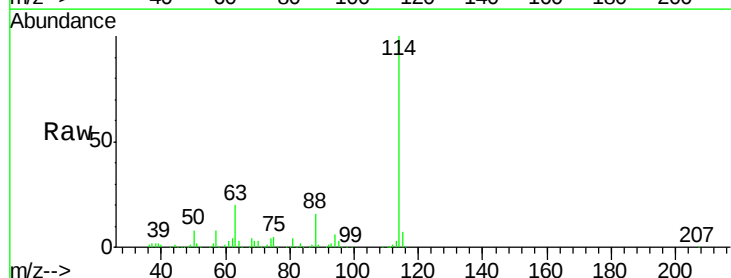
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1-S2

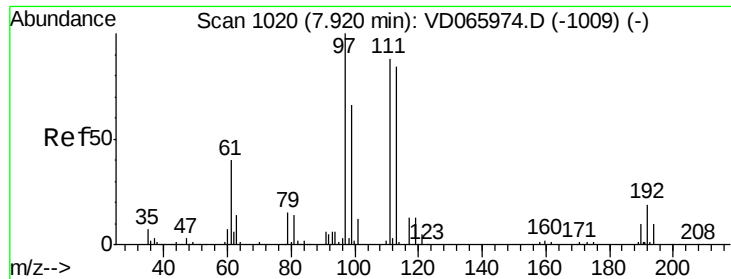
Tot Ion: 65 Resp: 117609  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD066052.D  
 Acq: 24 Jul 2020 17:29

Tgt Ion: 114 Resp: 459361  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.6  
 88 15.6 0.0 31.2

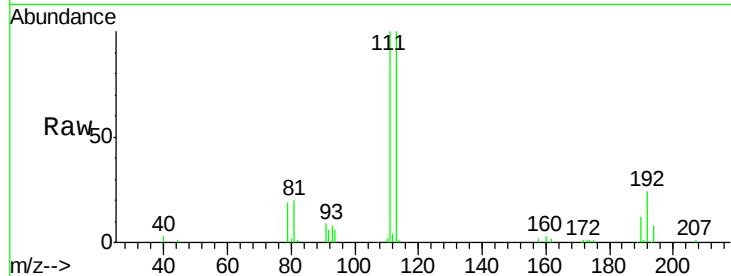




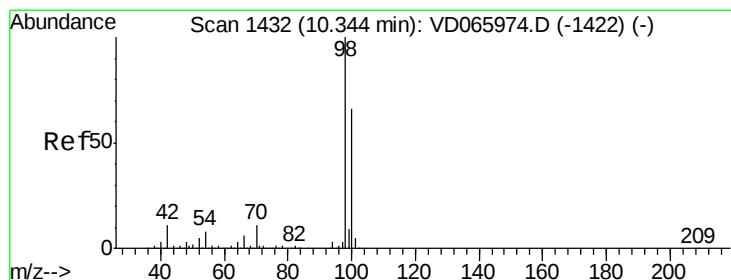
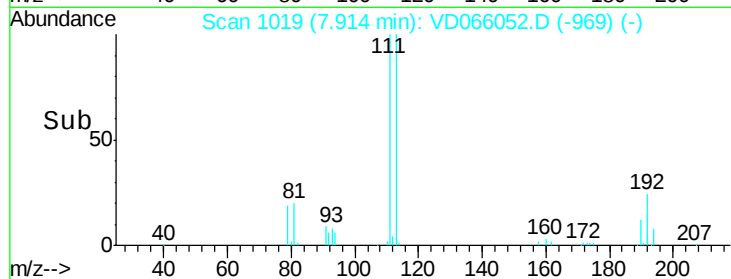
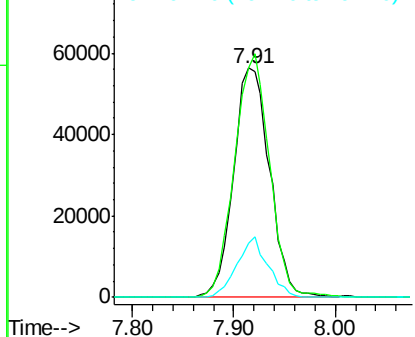
#35  
Dibromofluoromethane  
Concen: 50.126 ug/l  
RT: 7.91 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: VD066052.D  
Acq: 24 Jul 2020 17:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1-S2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 83.2  | 124.8 |
| 192     | 22.6  | 18.7  | 28.1  |

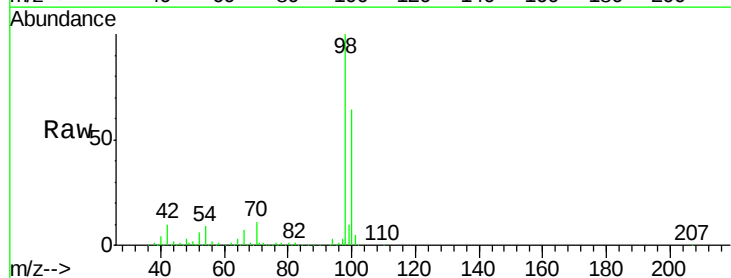


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

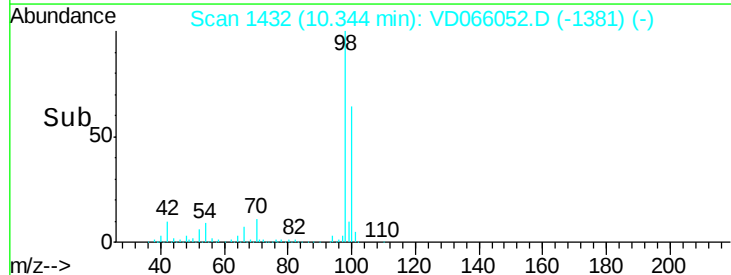
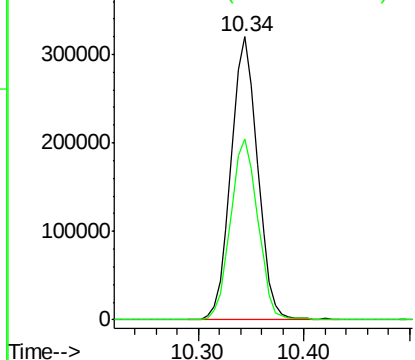


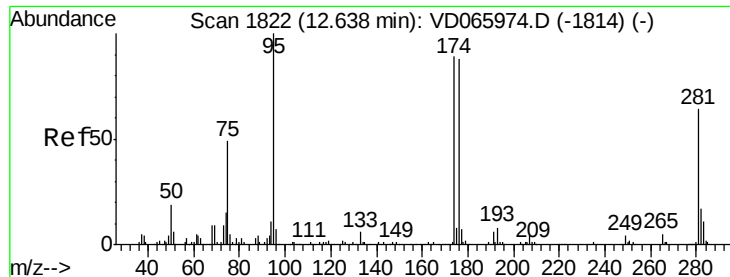
#50  
Toluene-d8  
Concen: 53.760 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD066052.D  
Acq: 24 Jul 2020 17:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 52.7  | 79.1  |



Abundance Ion 98.00 (97.70 to 98.70): V  
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 61.920 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA\_D

ClientSampleId :

TP-1-S2

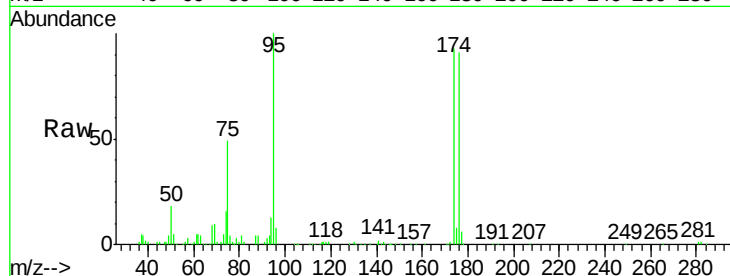
Tot Ion: 95 Resp: 222842

Ion Ratio Lower Upper

95 100

174 93.2 0.0 178.8

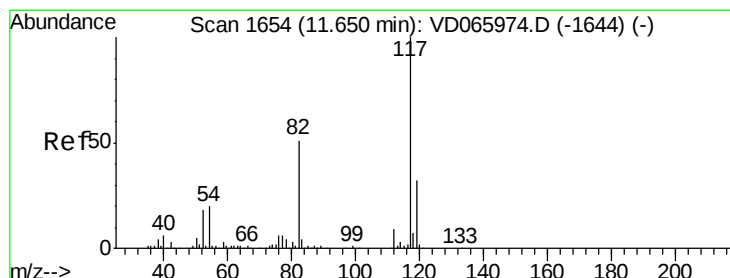
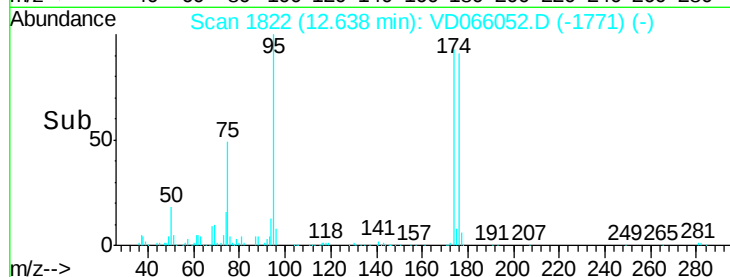
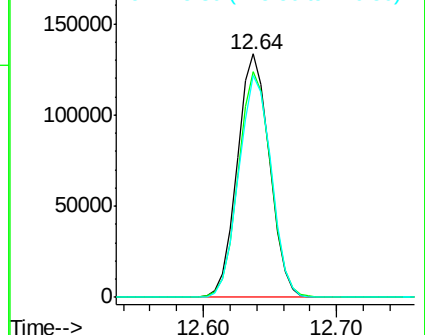
176 91.9 0.0 172.6



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: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

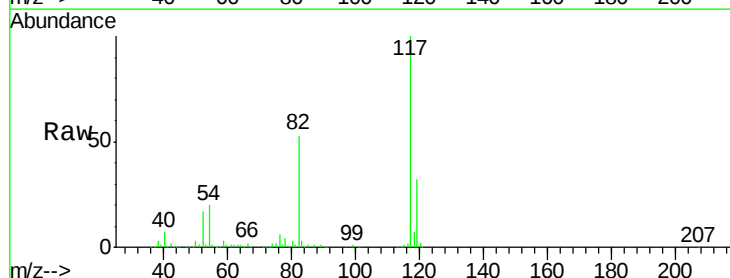
Tgt Ion: 117 Resp: 488653

Ion Ratio Lower Upper

117 100

82 53.2 41.1 61.7

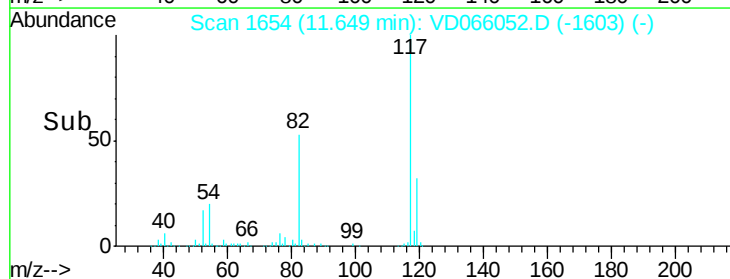
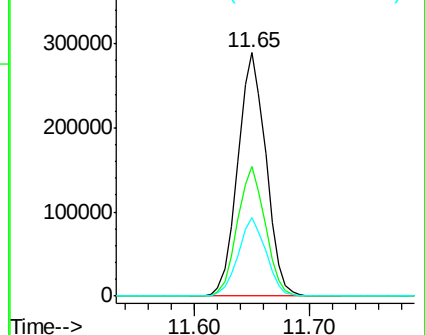
119 32.2 25.9 38.9

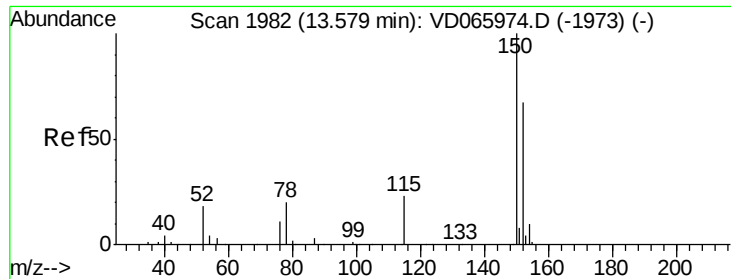


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA\_D

ClientSampleId :

TP-1-S2

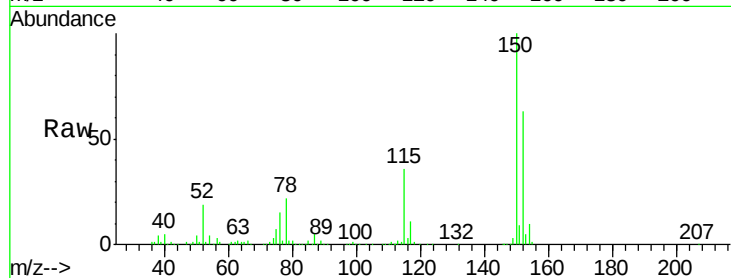
Tot Ion:152 Resp: 258376

Ion Ratio Lower Upper

152 100

115 56.0 27.9 83.7

150 156.1 0.0 348.2



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

