

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\  
 Data File : VD066336.D  
 Acq On : 20 Aug 2020 01:25  
 Operator : VA/SY  
 Sample : L3712-04RE  
 Misc : 6.74G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-26572RE

Quant Time: Aug 20 08:05:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

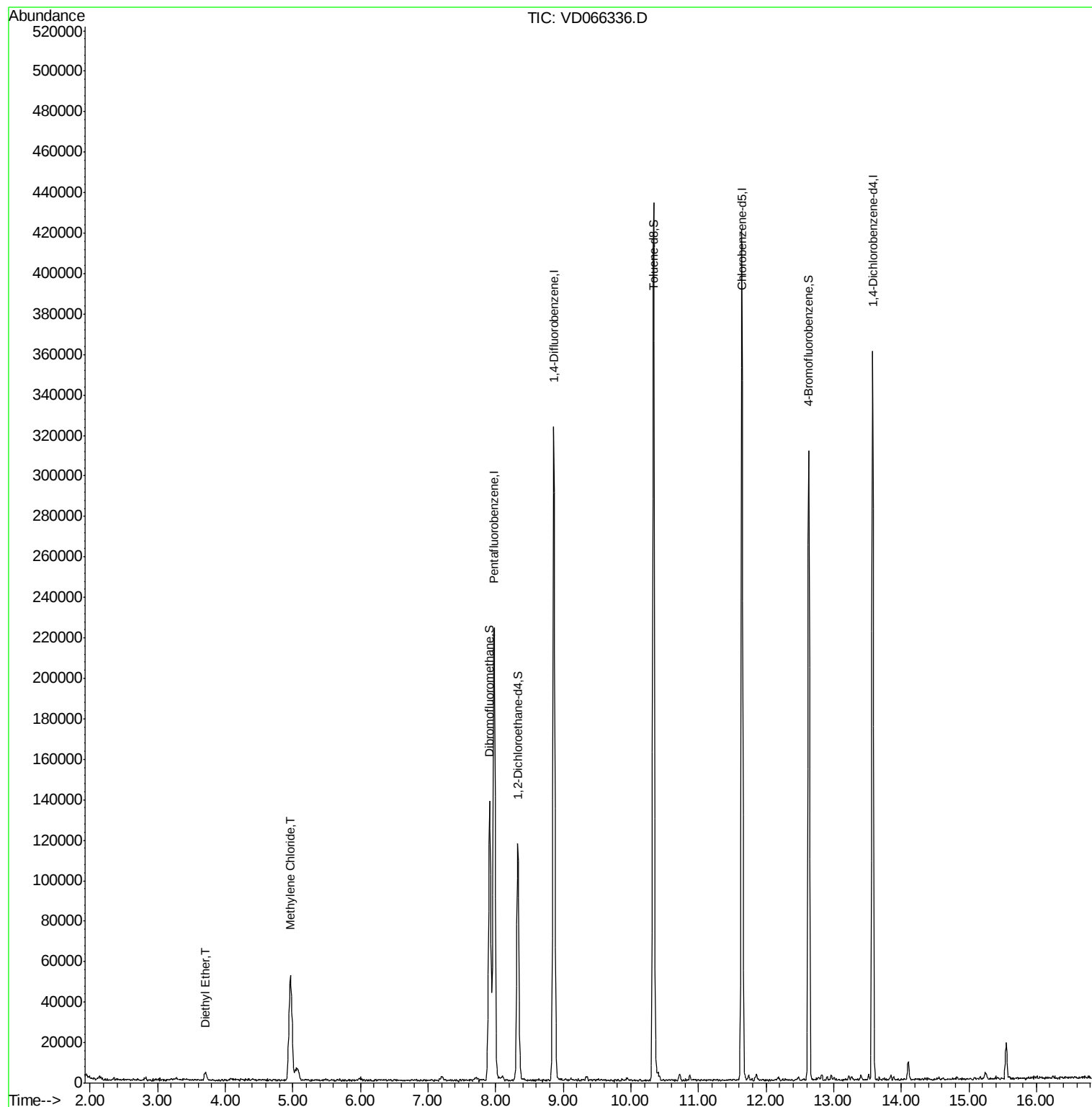
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 174466   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 279707   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 237372   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 99505    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 95388    | 61.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.56% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 98040    | 55.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.66% |          |
| 50) Toluene-d8              | 10.34 | 98   | 296435   | 45.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.66%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 94779    | 40.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.42%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 3.71  | 74   | 2328     | 2.990  | ug/l    | 96       |
| 20) Methylene Chloride      | 4.97  | 84   | 40692    | 21.316 | ug/l    | 94       |

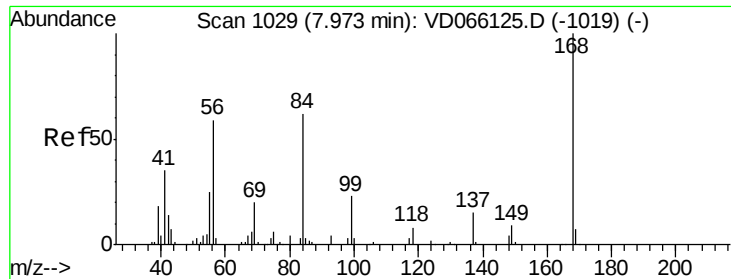
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA\_D

ClientSampleId :

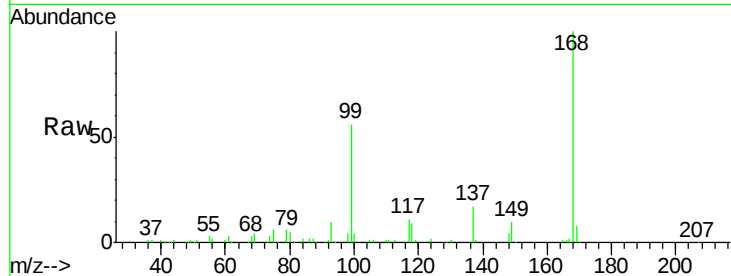
CHRT-26572RE

Tot Ion:168 Resp: 174466

Ion Ratio Lower Upper

168 100

99 56.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

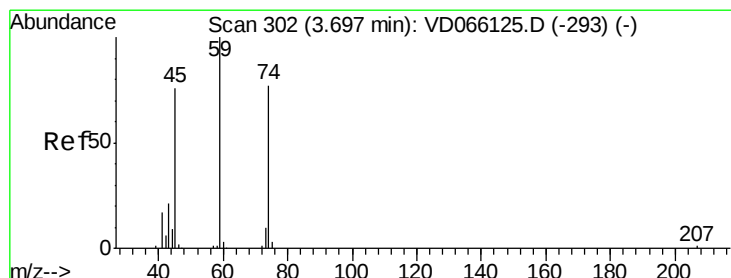
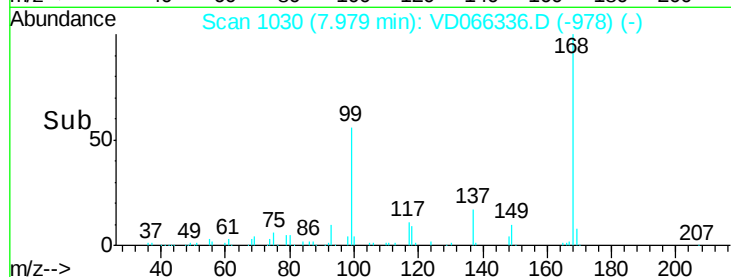
40000

20000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.990 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066336.D

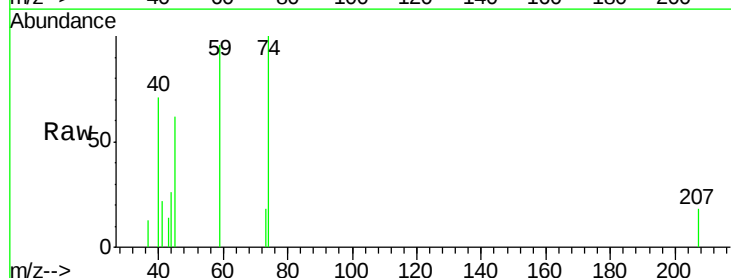
Acq: 20 Aug 2020 01:25

Tgt Ion: 74 Resp: 2328

Ion Ratio Lower Upper

74 100

45 92.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

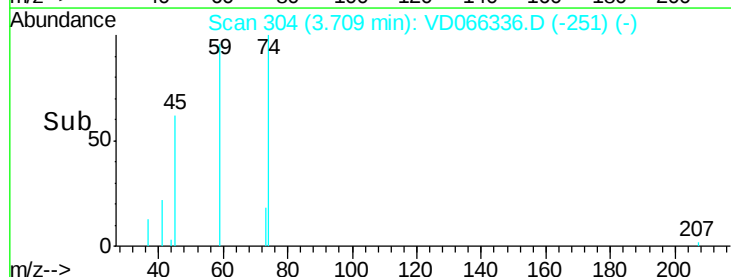
1000

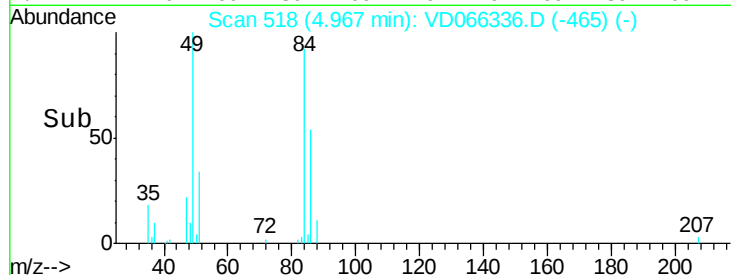
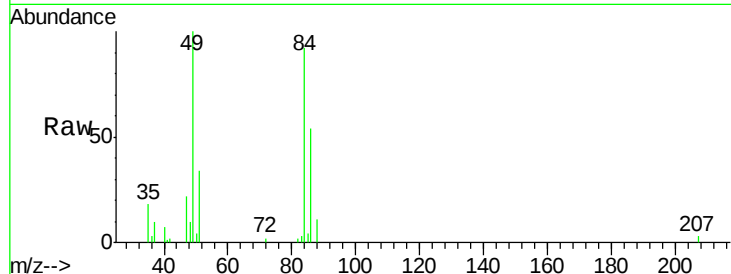
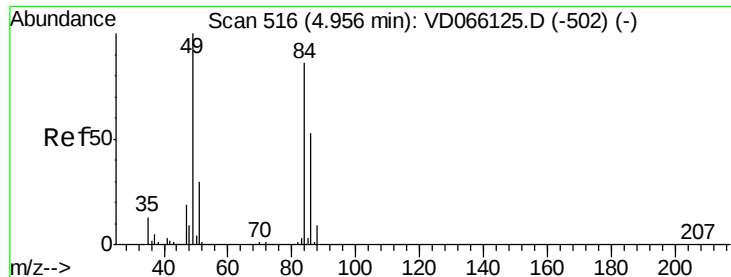
500

0

Time-->

3.65 3.70 3.75

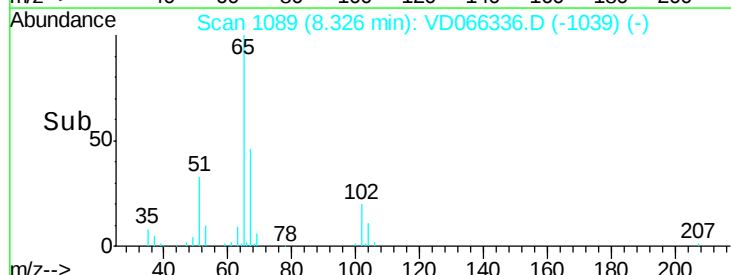
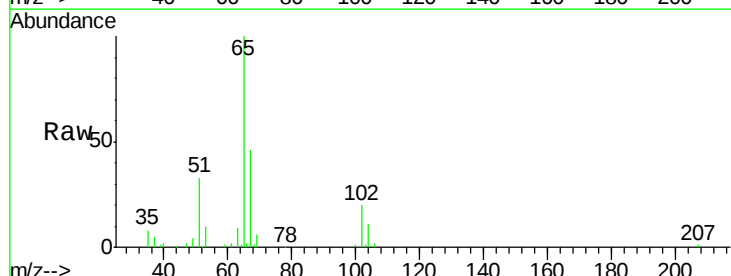
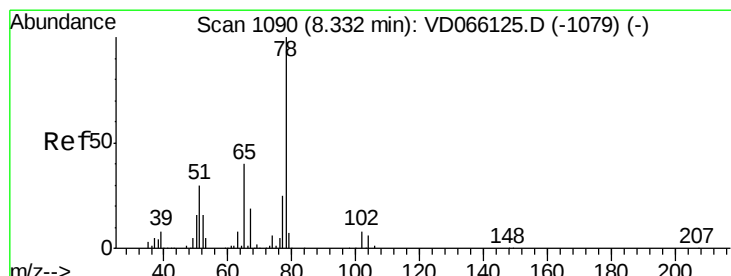
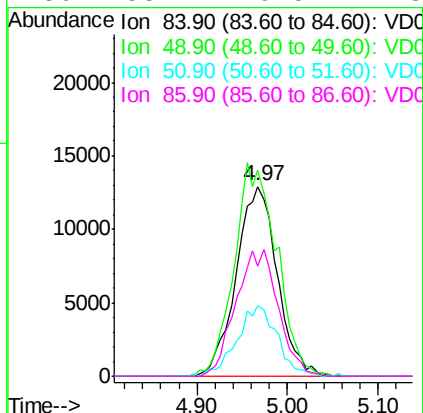




#20  
Methvlene Chloride  
Concen: 21.316 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD066336.D  
Acq: 20 Aug 2020 01:25

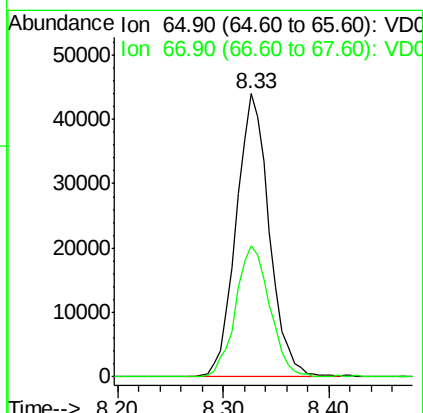
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-26572RE

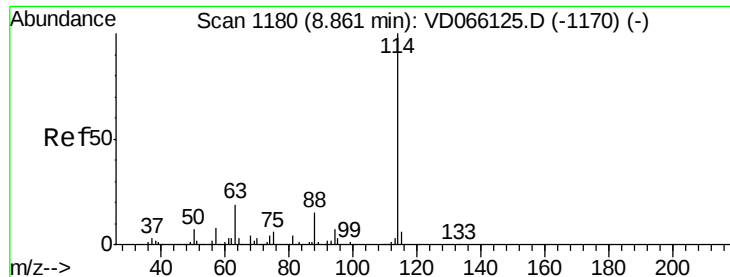
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 40692 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 108.8 | 93.5  | 140.3 |
| 51       | 37.5  | 28.2  | 42.4  |
| 86       | 58.2  | 49.5  | 74.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 61.284 ug/l  
RT: 8.33 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: VD066336.D  
Acq: 20 Aug 2020 01:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 95388 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 47.7  | 0.0   | 104.6 |

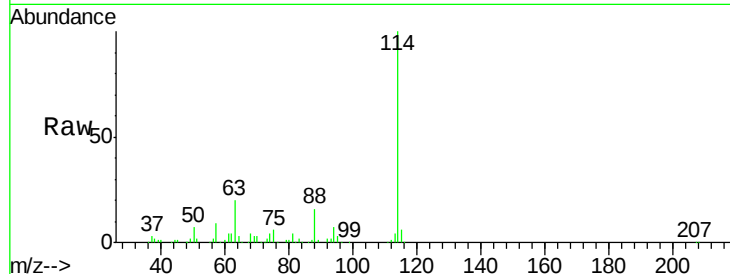




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066336.D  
 Acq: 20 Aug 2020 01:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-26572RE

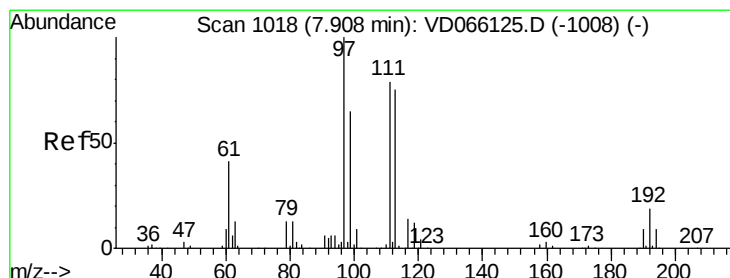
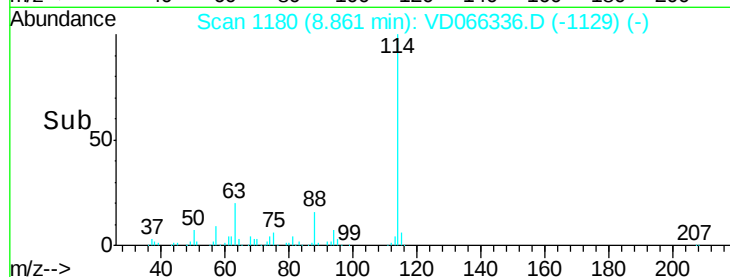
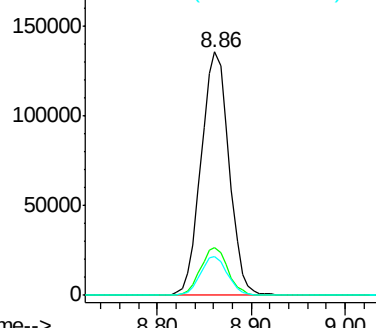
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.6  | 0.0   | 38.6  |
| 88      | 15.8  | 0.0   | 30.0  |



Abundance Ion 113.90 (113.60 to 114.60): V

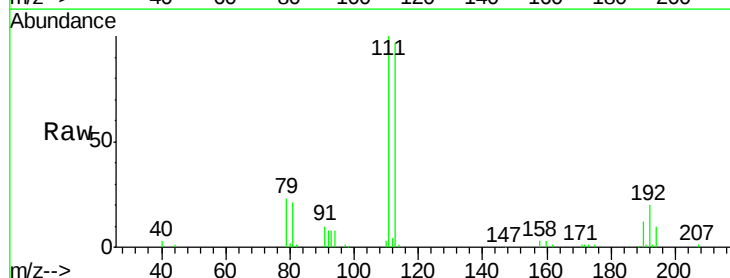
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35  
 Dibromofluoromethane  
 Concen: 55.330 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VD066336.D  
 Acq: 20 Aug 2020 01:25

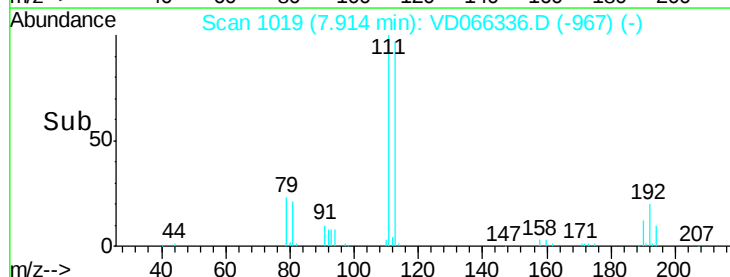
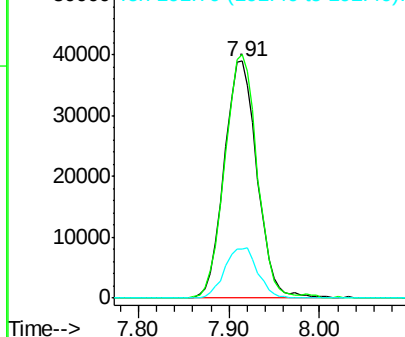
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.1 | 80.7  | 121.1 |
| 192     | 21.4  | 18.4  | 27.6  |

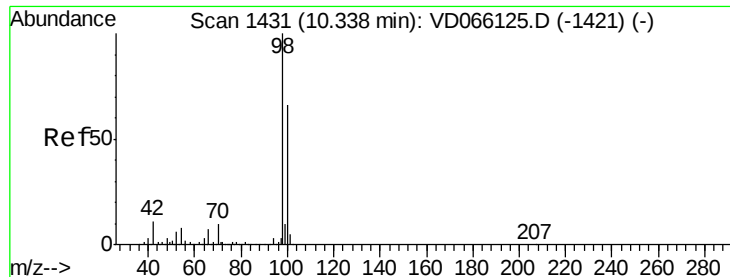


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.335 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA\_D

ClientSampleId :

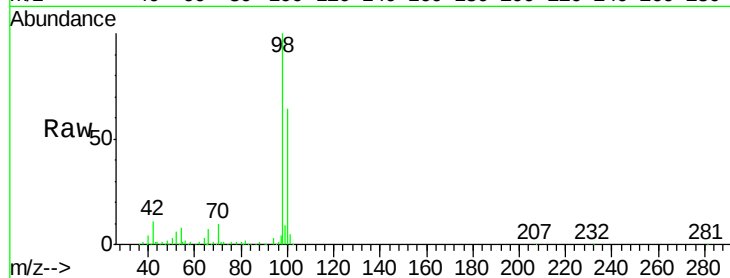
CHRT-26572RE

Tot Ion: 98 Resp: 296435

Ion Ratio Lower Upper

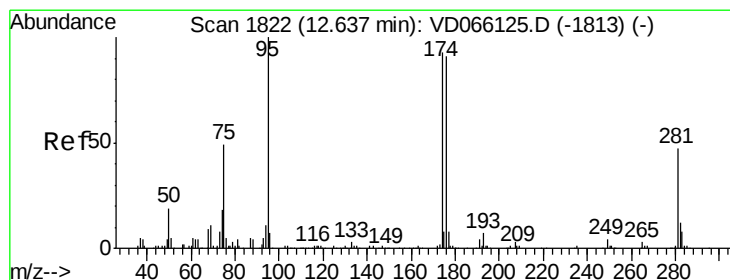
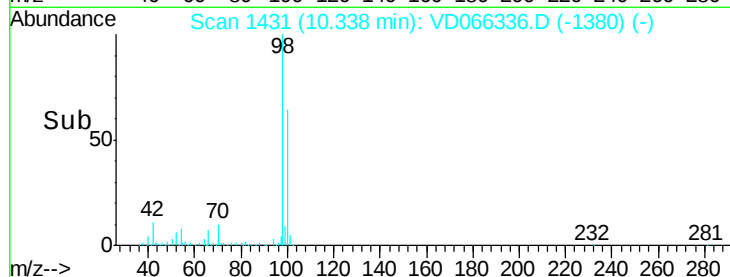
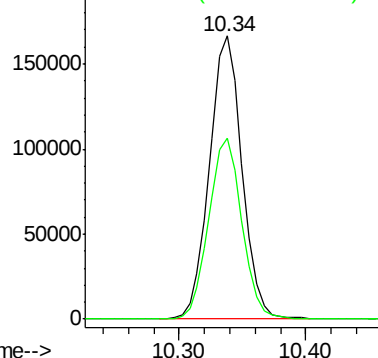
98 100

100 65.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 40.212 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

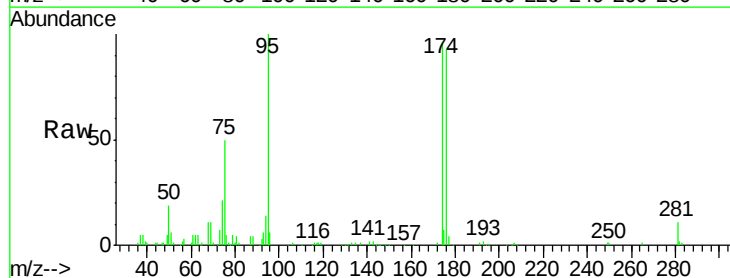
Tgt Ion: 95 Resp: 94779

Ion Ratio Lower Upper

95 100

174 94.8 0.0 180.8

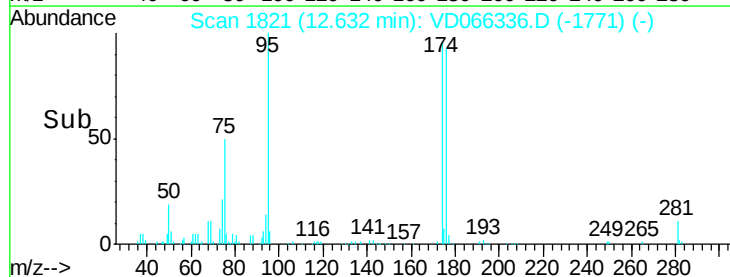
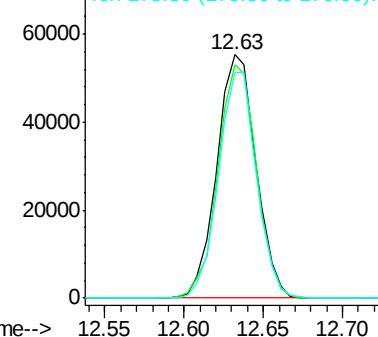
176 90.6 0.0 181.2

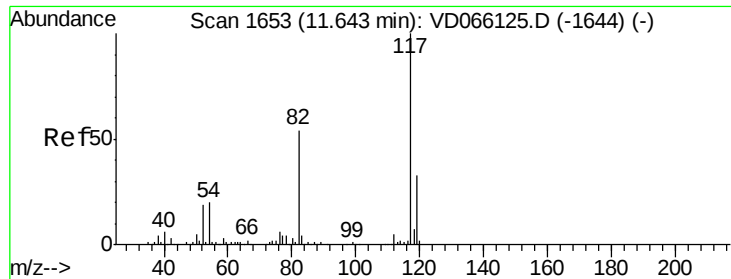


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

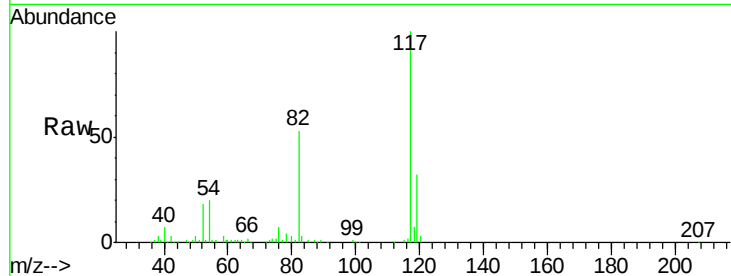




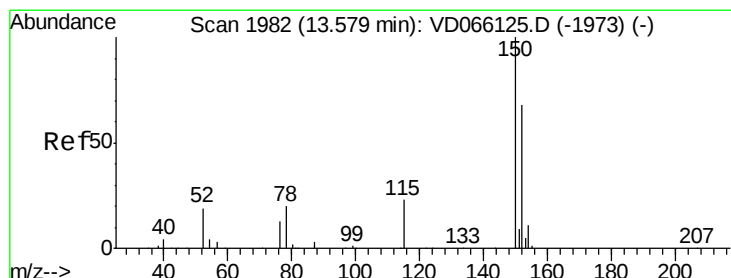
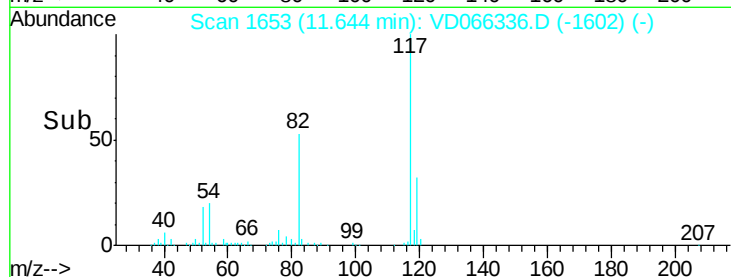
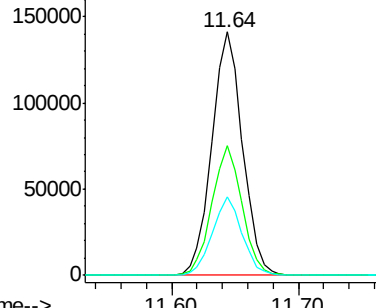
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066336.D  
Acq: 20 Aug 2020 01:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-26572RE

Tot Ion:117 Resp: 237372  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.0 64.4  
119 32.2 26.1 39.1

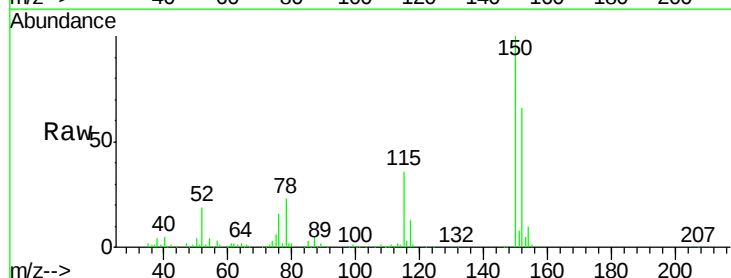


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066336.D  
Acq: 20 Aug 2020 01:25

Tgt Ion:152 Resp: 99505  
Ion Ratio Lower Upper  
152 100  
115 54.9 28.0 83.9  
150 154.4 0.0 346.4



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

