

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\  
 Data File : VD066332.D  
 Acq On : 19 Aug 2020 23:10  
 Operator : VA/SY  
 Sample : VD0819SBL02  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBL02

Quant Time: Aug 20 07:59:33 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

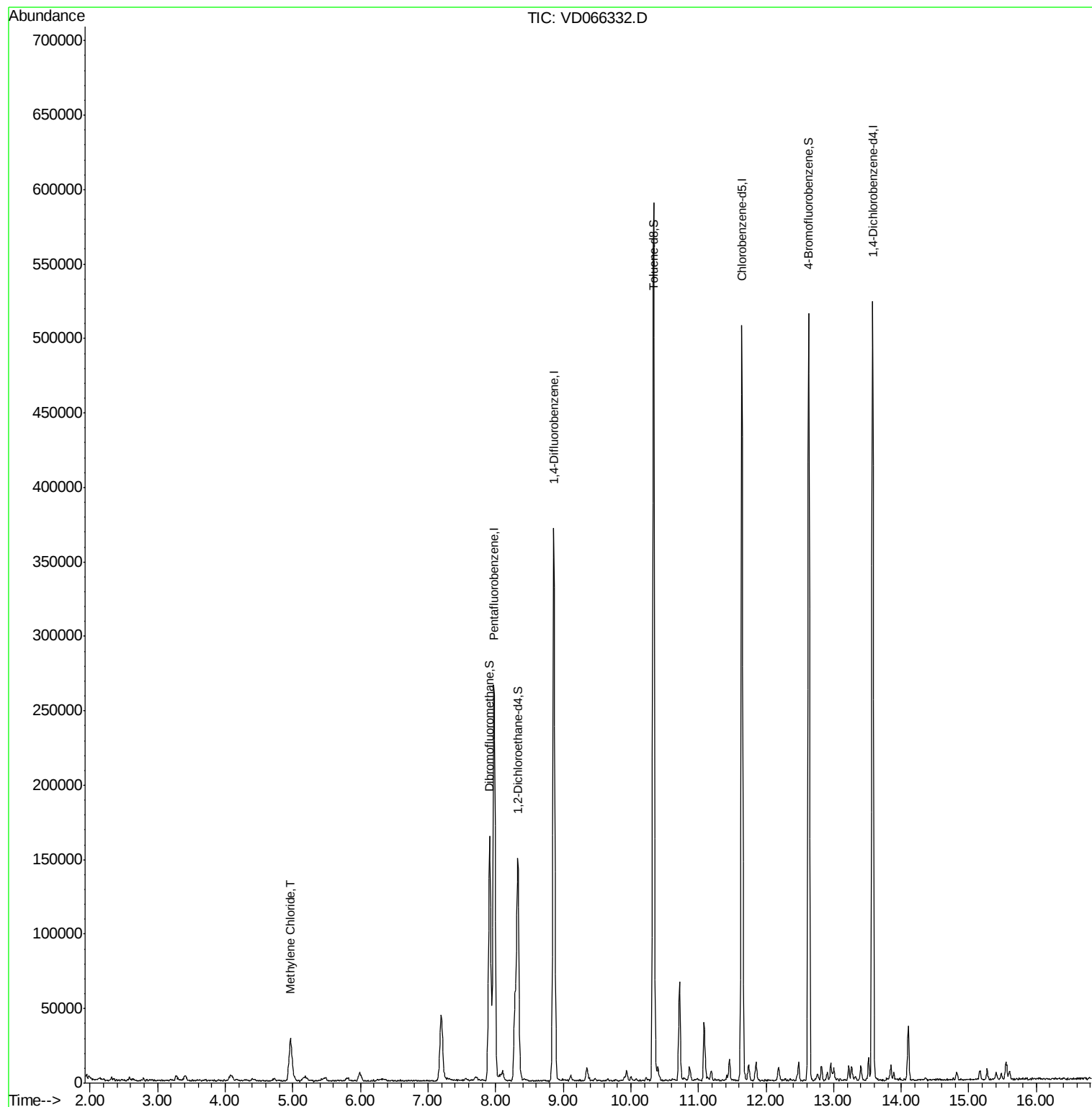
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 204440   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 321521   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 295098   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 145368   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 117468   | 64.40 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 128.80% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 112848   | 55.40 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.80% |           |
| 50) Toluene-d8              | 10.34 | 98   | 398721   | 53.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.10% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 140675   | 51.92 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.84% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.97  | 84   | 21178    | 6.608 | ug/l    | Qvalue 95 |

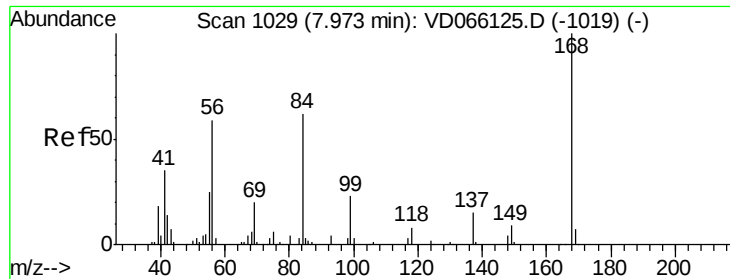
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081920\  
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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: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA\_D

ClientSampleId :

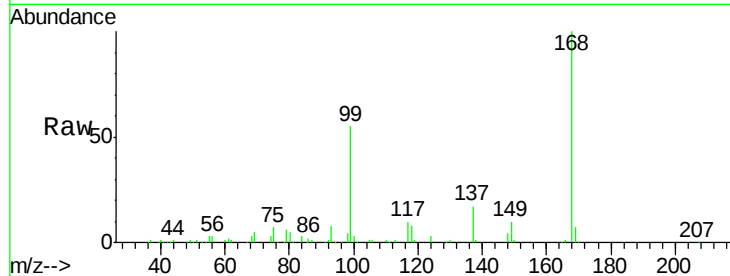
VD0819SBL02

Tot Ion:168 Resp: 204440

Ion Ratio Lower Upper

168 100

99 55.3 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

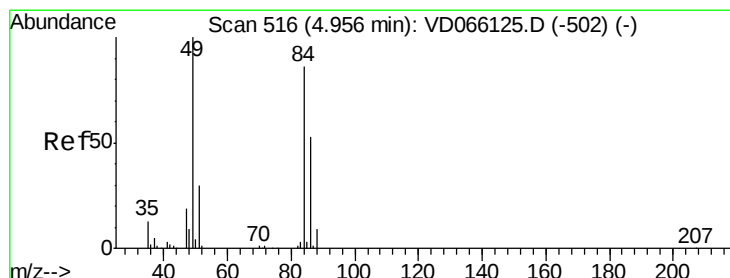
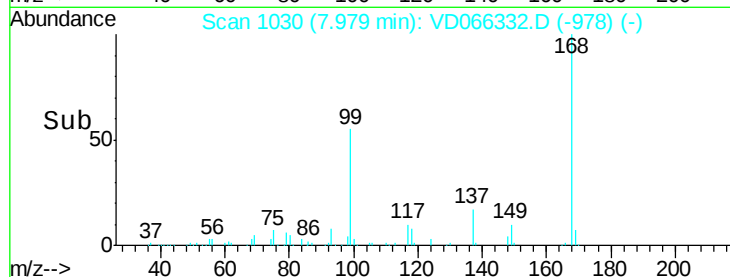
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 6.608 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Tgt Ion: 84 Resp: 21178

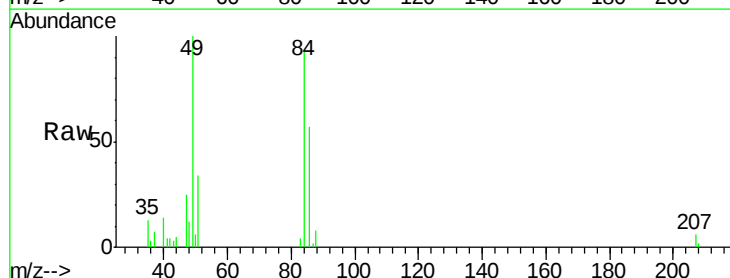
Ion Ratio Lower Upper

84 100

49 108.0 93.5 140.3

51 37.2 28.2 42.4

86 61.5 49.5 74.3



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

4.97

8000

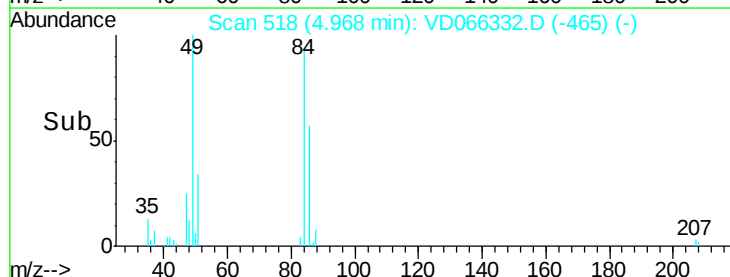
6000

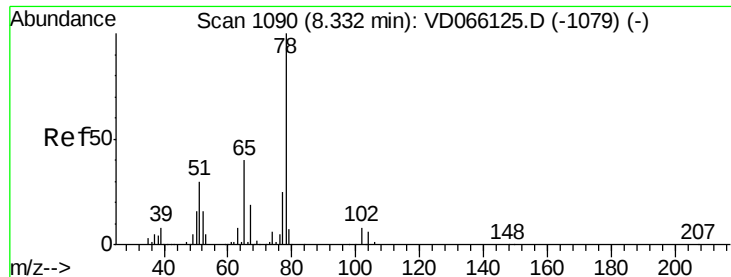
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 64.404 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA\_D

ClientSampleId :

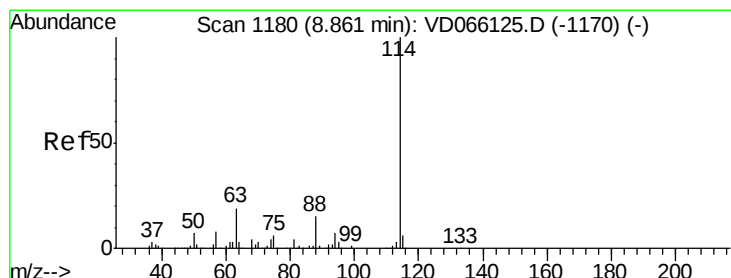
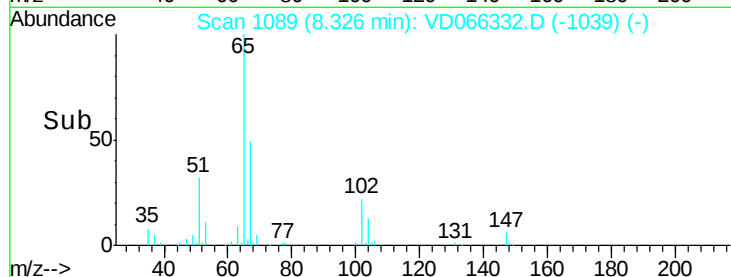
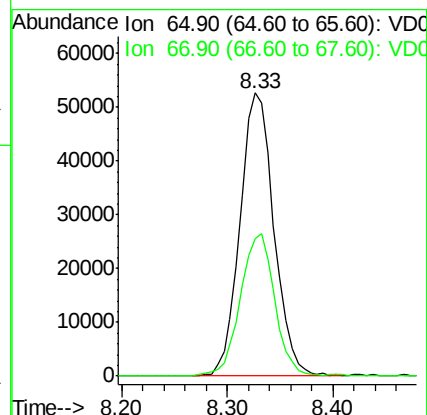
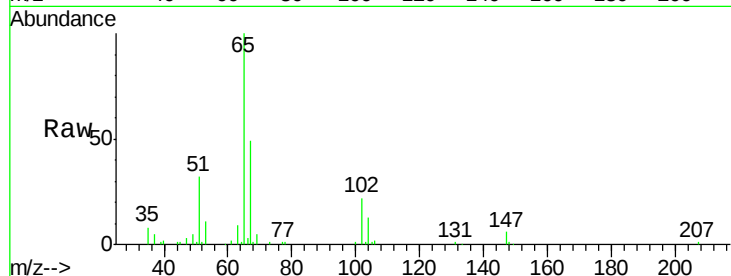
VD0819SBL02

Tot Ion: 65 Resp: 117468

Ion Ratio Lower Upper

65 100

67 50.6 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: VD066332.D

Acq: 19 Aug 2020 23:10

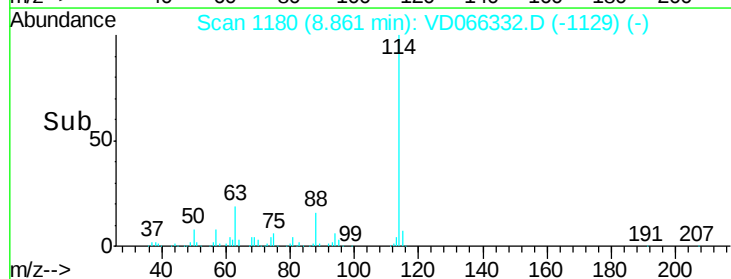
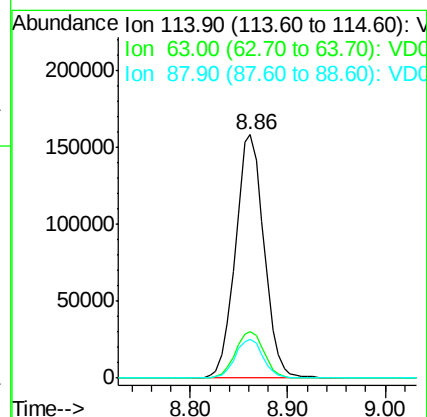
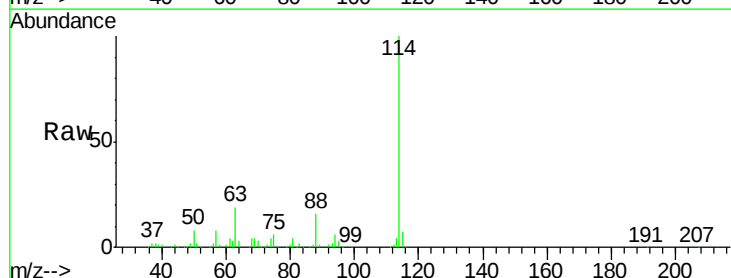
Tgt Ion: 114 Resp: 321521

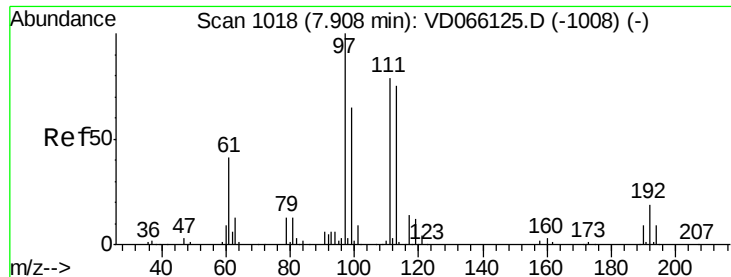
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 15.8 0.0 30.0

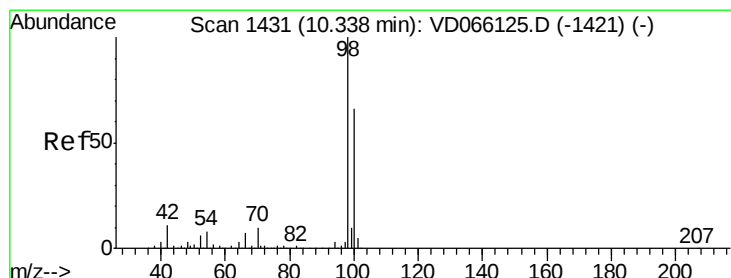
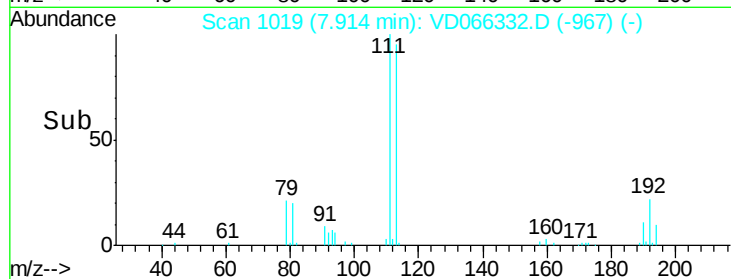
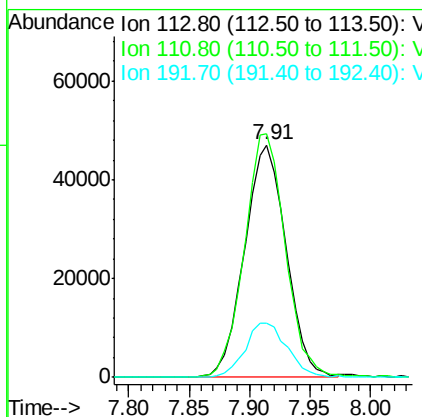
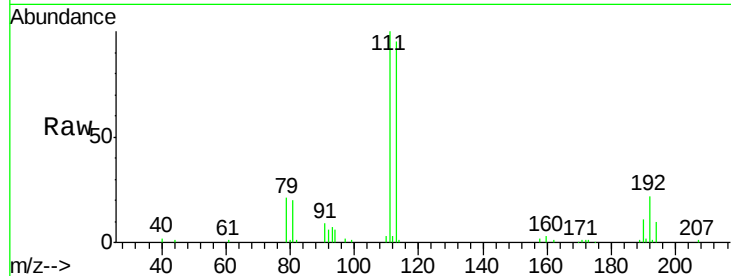




#35  
 Dibromofluoromethane  
 Concen: 55.404 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VD066332.D  
 Acq: 19 Aug 2020 23:10

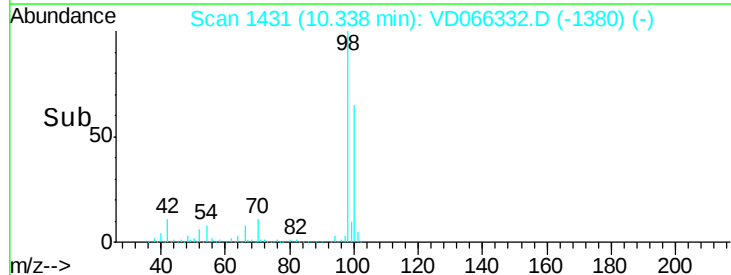
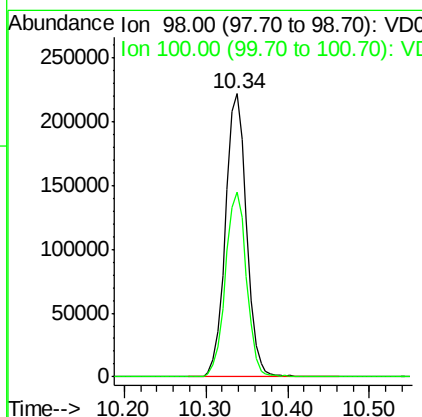
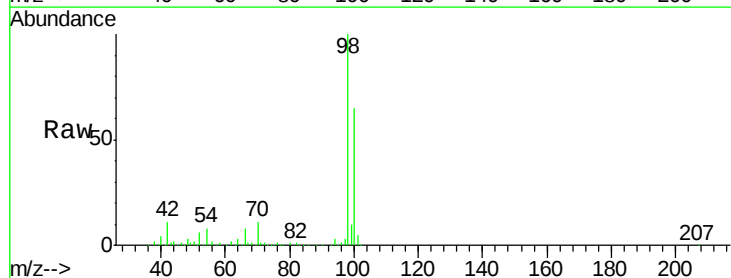
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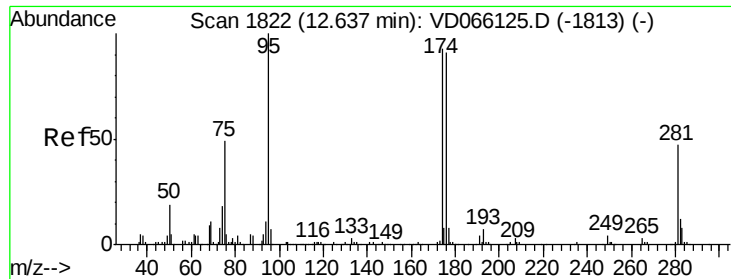
Tot Ion:113 Resp: 112848  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 80.7 121.1  
 192 23.7 18.4 27.6



#50  
 Toluene-d8  
 Concen: 53.048 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD066332.D  
 Acq: 19 Aug 2020 23:10

Tgt Ion: 98 Resp: 398721  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 52.6 78.8

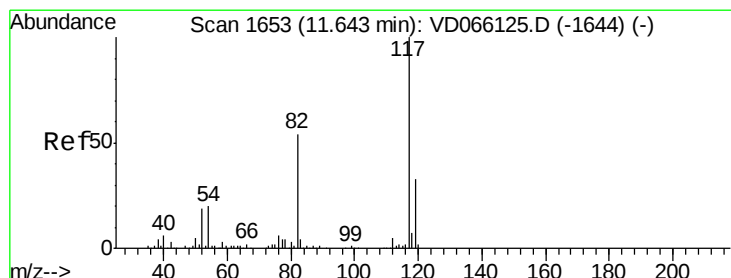
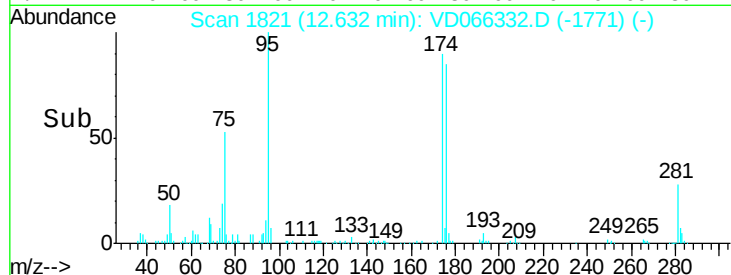
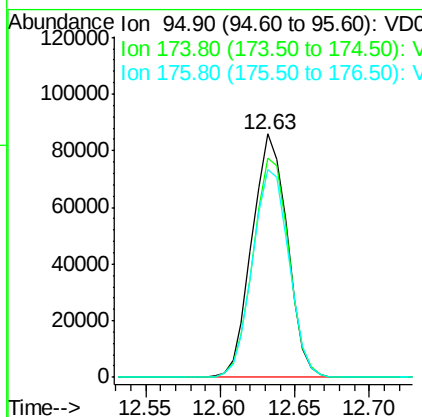
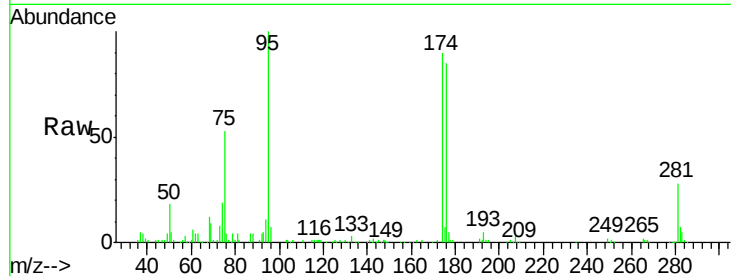




#62  
4-Bromofluorobenzene  
Concen: 51.922 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.01 min  
Lab File: VD066332.D  
Acq: 19 Aug 2020 23:10

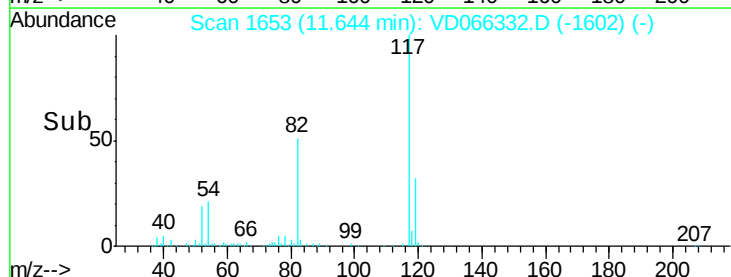
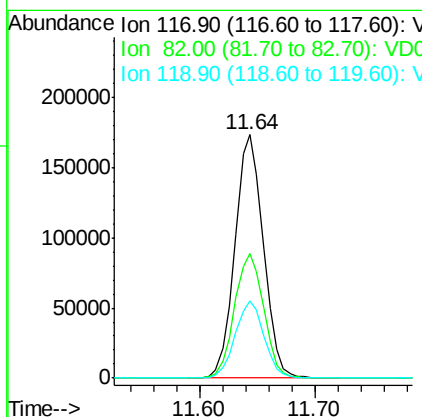
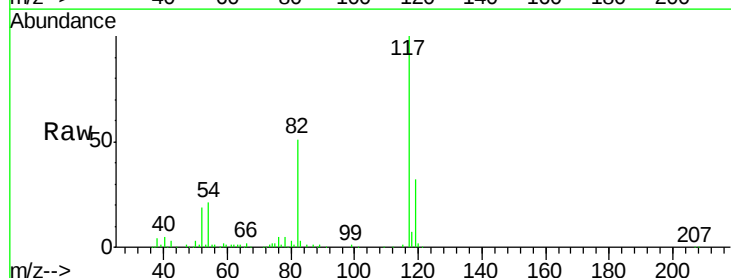
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBL02

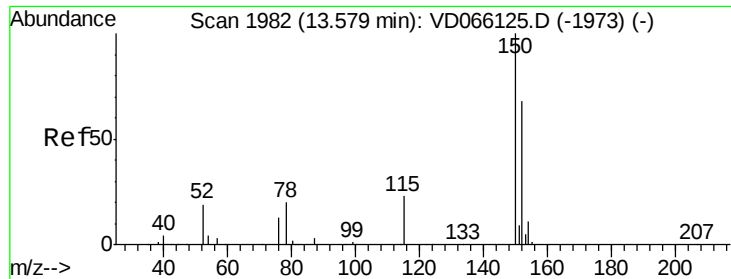
Tot Ion: 95 Resp: 140675  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 180.8  
176 87.8 0.0 181.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066332.D  
Acq: 19 Aug 2020 23:10

Tgt Ion: 117 Resp: 295098  
Ion Ratio Lower Upper  
117 100  
82 51.1 43.0 64.4  
119 31.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBL02

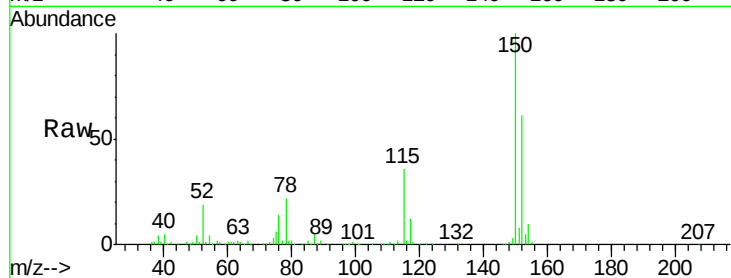
Tot Ion:152 Resp: 145368

Ion Ratio Lower Upper

152 100

115 57.4 28.0 83.9

150 158.6 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

