

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\  
 Data File : VD066259.D  
 Acq On : 17 Aug 2020 15:51  
 Operator : VA/SY  
 Sample : L3645-02  
 Misc : 5.39G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-3

Quant Time: Aug 24 08:17:41 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

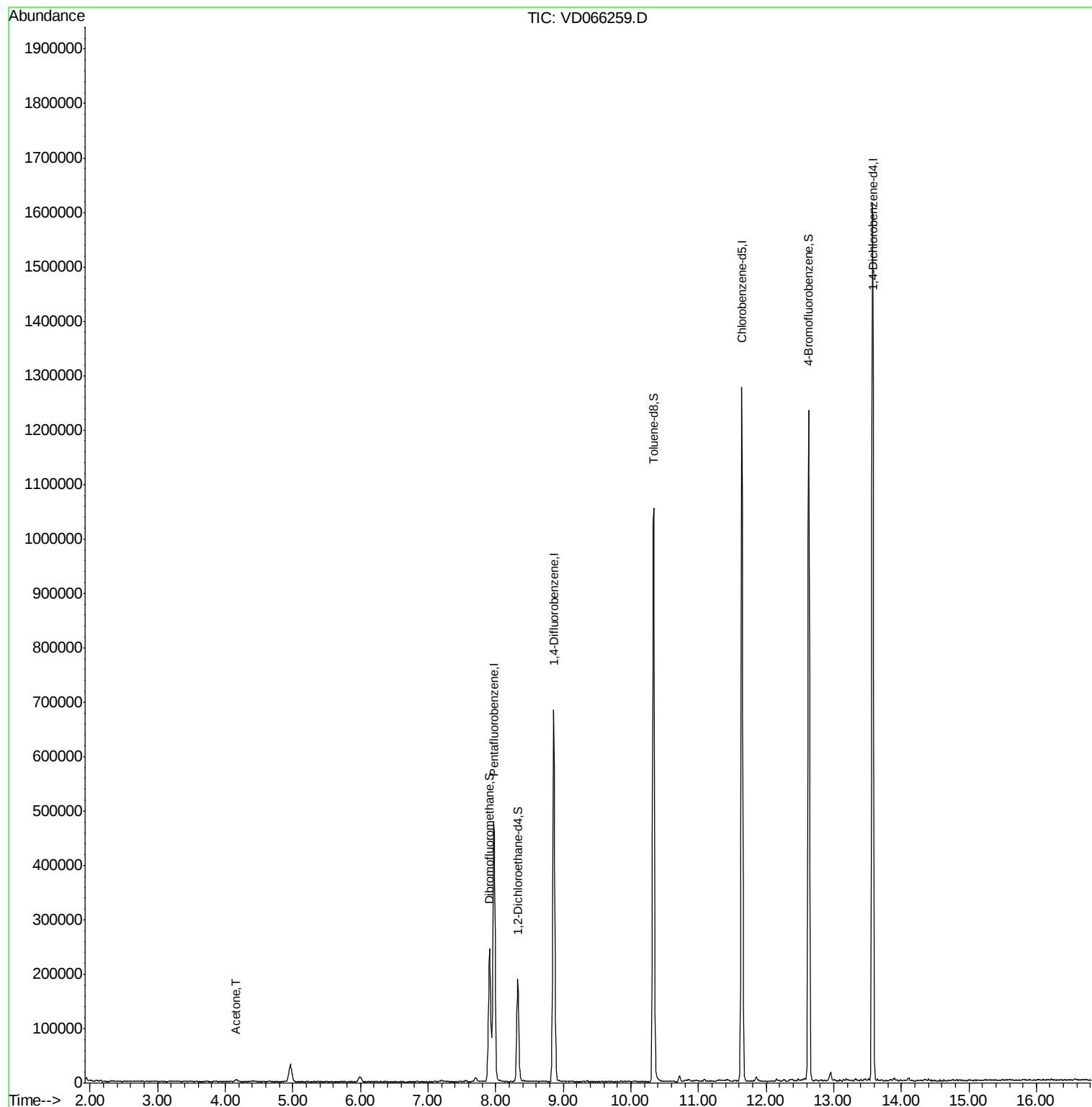
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.97  | 168  | 377623   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 601857   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 750806   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 452639   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 144070   | 42.76  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.52%  |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 176929   | 46.41  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.82%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 731524   | 51.99  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.98% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 398141   | 78.50  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 157.00% |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.16  | 43   | 7399     | 11.575 | ug/l    | Qvalue 99 |

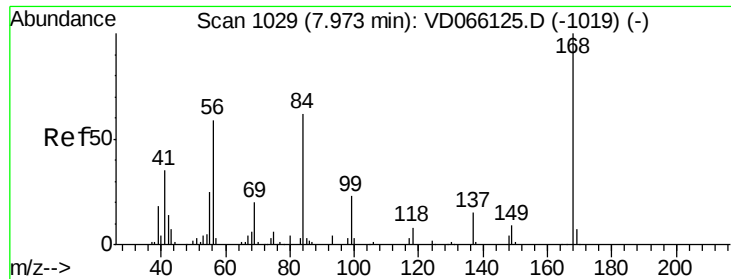
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA\_D

ClientSampleId :

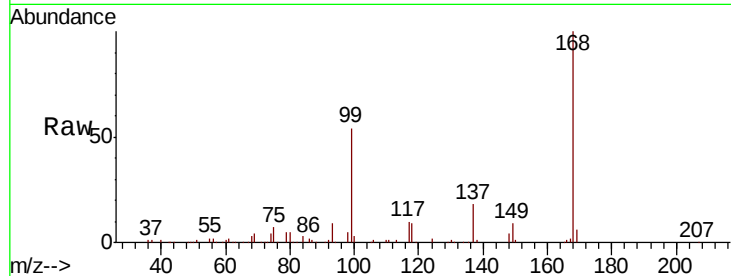
SB-3

Tot Ion:168 Resp: 377623

Ion Ratio Lower Upper

168 100

99 54.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

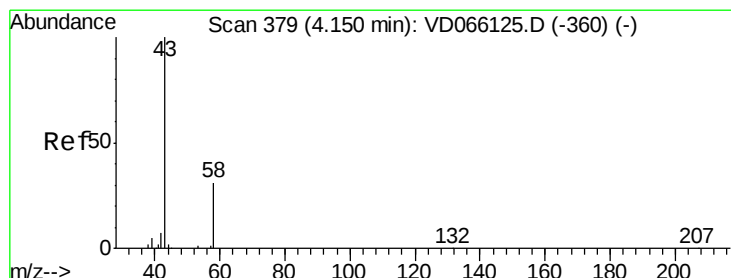
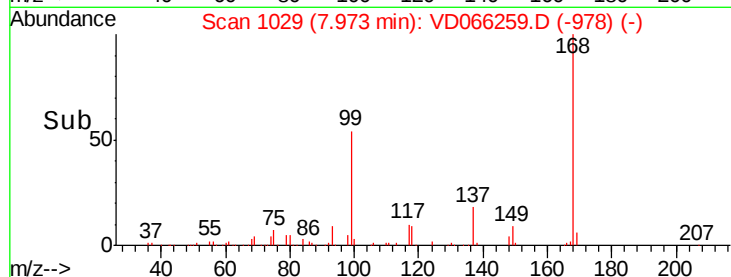
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.575 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066259.D

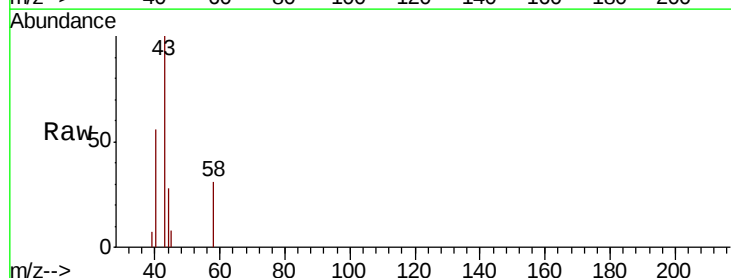
Acq: 17 Aug 2020 15:51

Tgt Ion: 43 Resp: 7399

Ion Ratio Lower Upper

43 100

58 31.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

3000

2500

2000

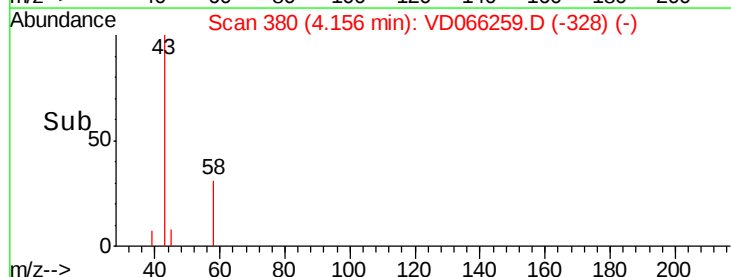
1500

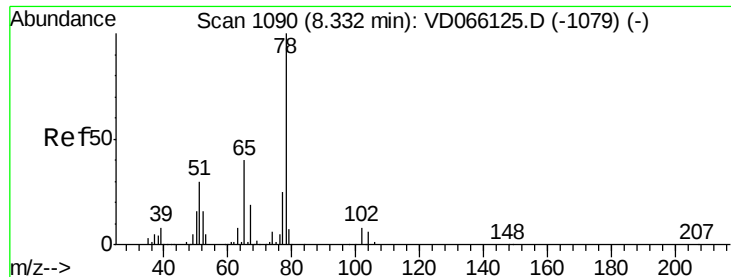
1000

500

0

Time-->

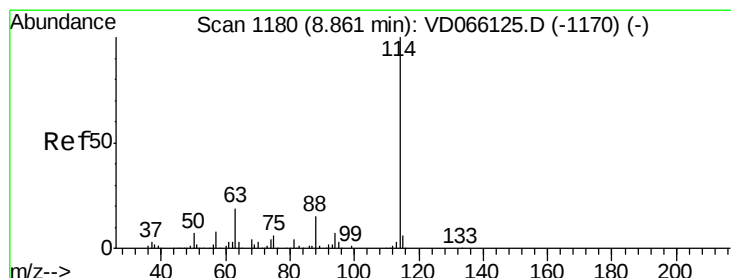
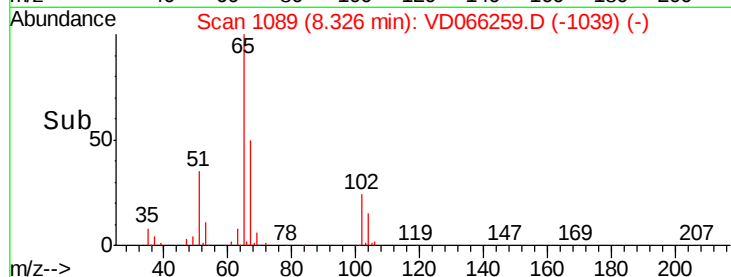
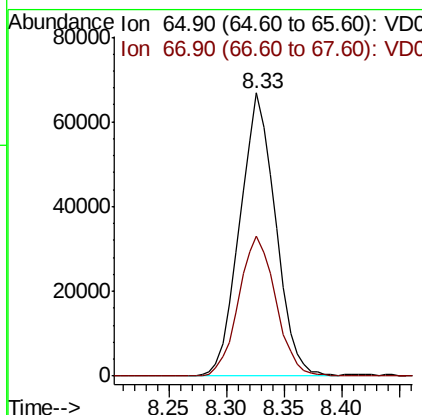
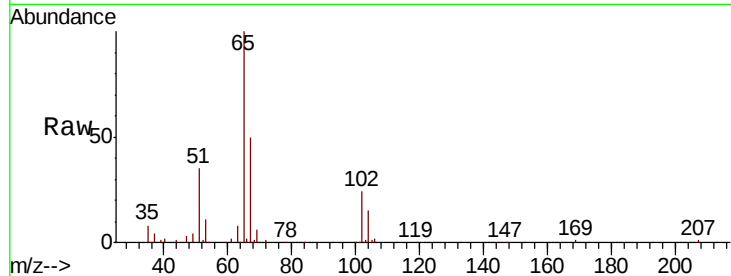




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.764 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: VD066259.D  
 Acq: 17 Aug 2020 15:51

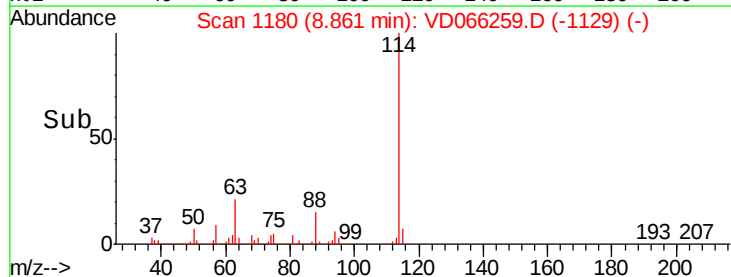
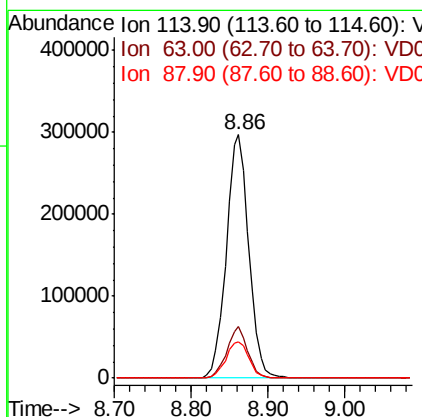
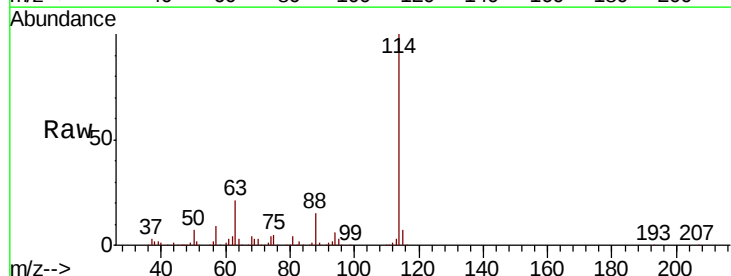
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-3

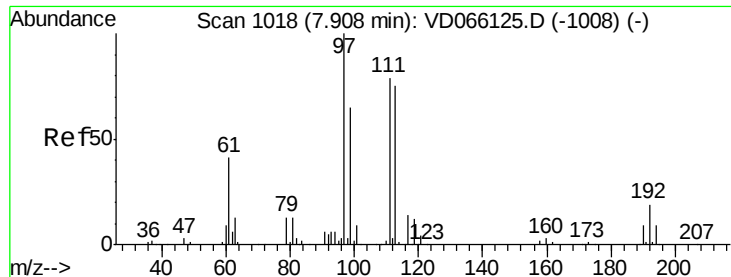
Tot Ion: 65 Resp: 144070  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066259.D  
 Acq: 17 Aug 2020 15:51

Tgt Ion: 114 Resp: 601857  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 38.6  
 88 14.9 0.0 30.0

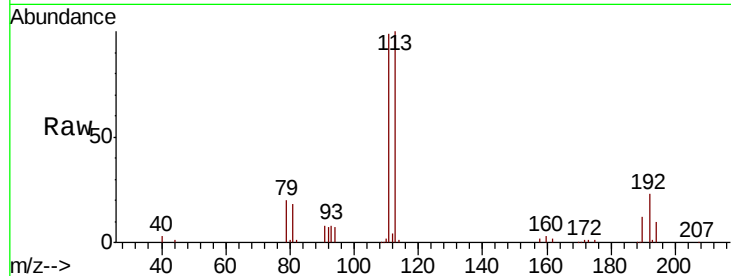




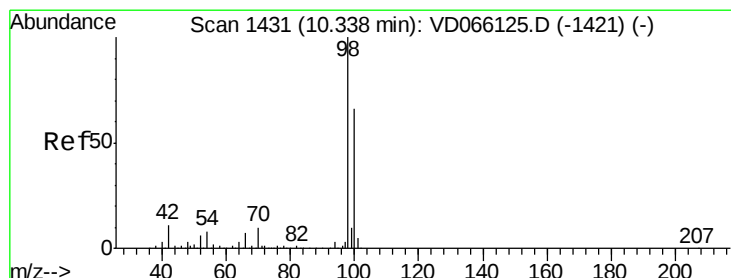
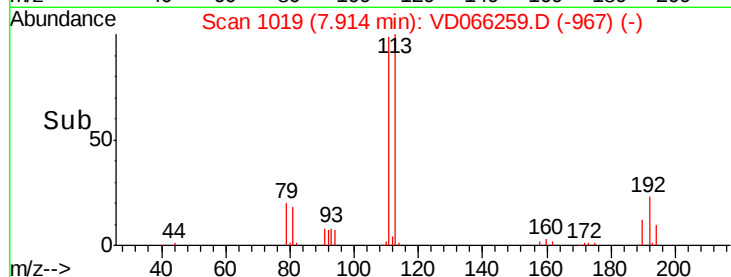
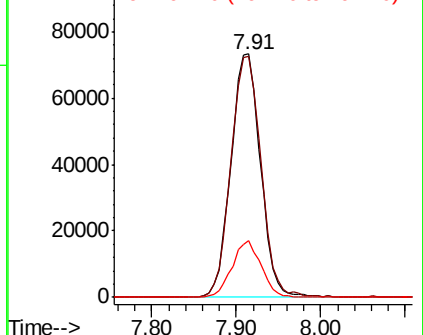
#35  
Dibromofluoromethane  
Concen: 46.405 ug/l  
RT: 7.91 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: VD066259.D  
Acq: 17 Aug 2020 15:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3

Tot Ion:113 Resp: 176929  
Ion Ratio Lower Upper  
113 100  
111 101.0 80.7 121.1  
192 22.7 18.4 27.6

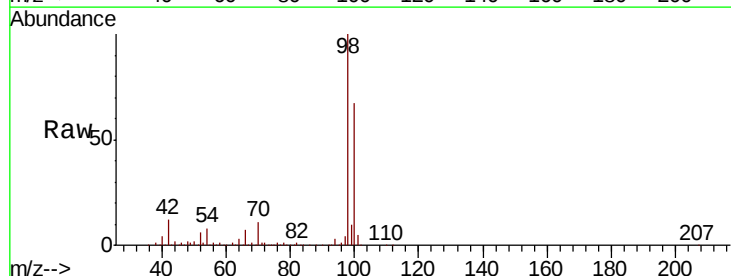


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

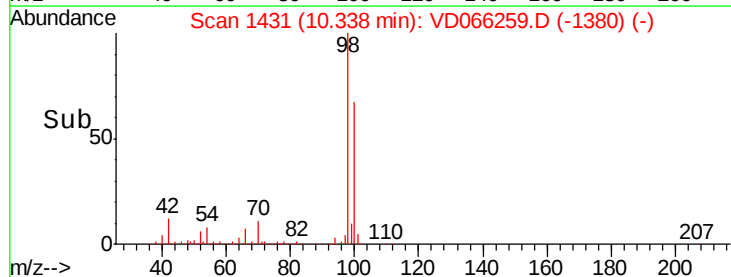
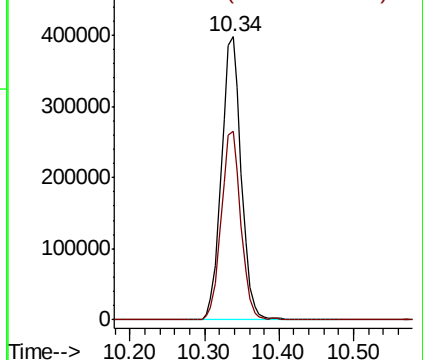


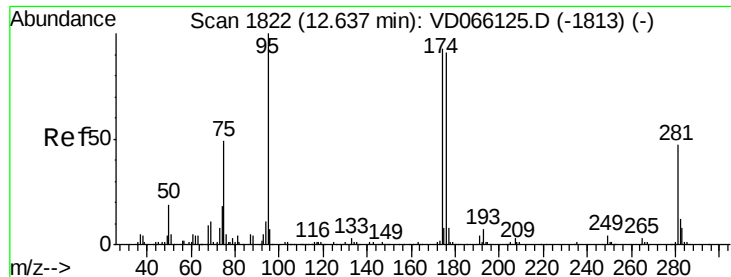
#50  
Toluene-d8  
Concen: 51.992 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD066259.D  
Acq: 17 Aug 2020 15:51

Tgt Ion: 98 Resp: 731524  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.6 78.8



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





#62

4-Bromofluorobenzene

Concen: 78.504 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA\_D

ClientSampleId :

SB-3

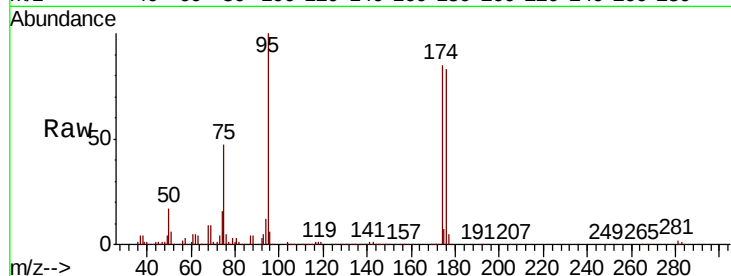
Tot Ion: 95 Resp: 398141

Ion Ratio Lower Upper

95 100

174 88.5 0.0 180.8

176 86.3 0.0 181.2



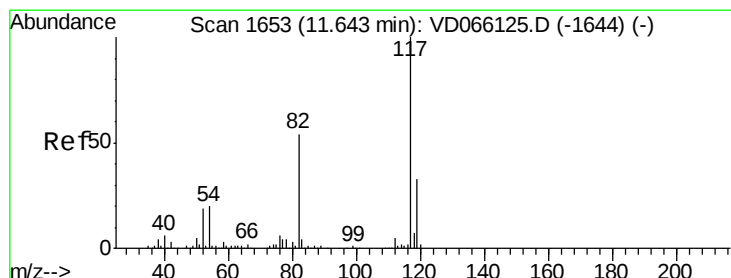
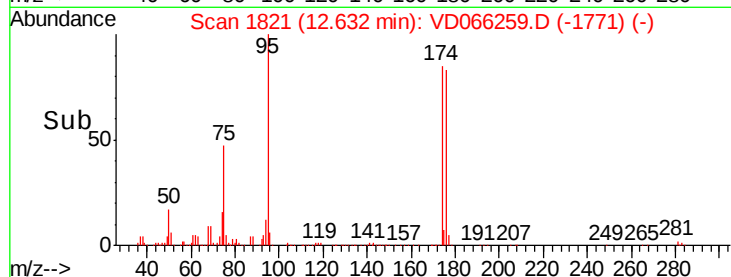
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

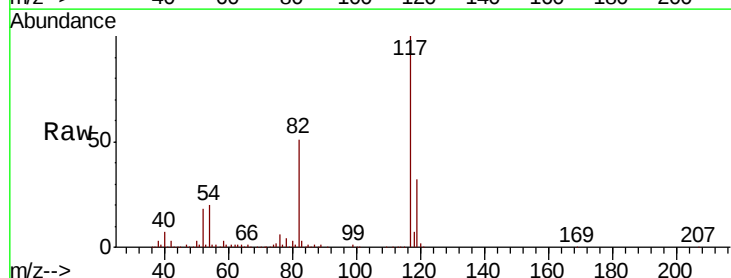
Tgt Ion: 117 Resp: 750806

Ion Ratio Lower Upper

117 100

82 51.0 43.0 64.4

119 32.4 26.1 39.1



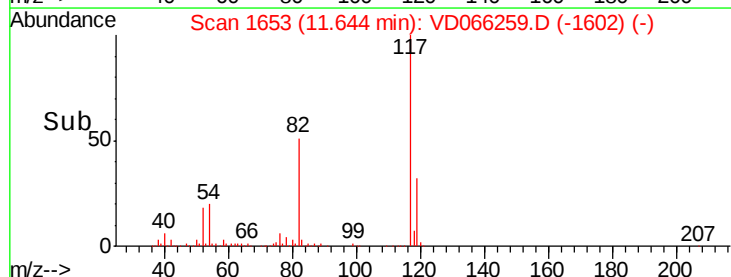
Abundance Ion 116.90 (116.60 to 117.60): V

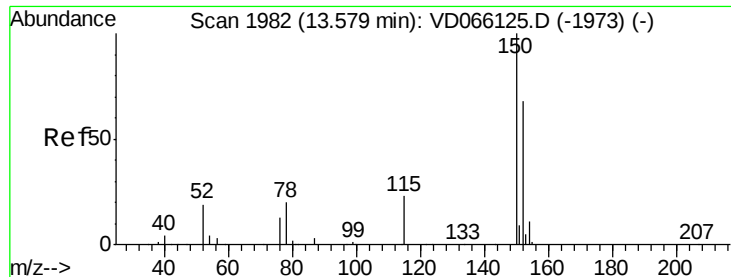
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA\_D

ClientSampleId :

SB-3

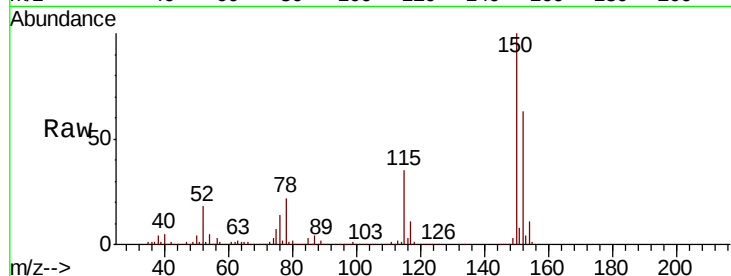
Tot Ion:152 Resp: 452639

Ion Ratio Lower Upper

152 100

115 56.6 28.0 83.9

150 158.3 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

