

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\  
 Data File : VW016313.D  
 Acq On : 21 Aug 2020 18:19  
 Operator : SY/VA  
 Sample : L3729-03  
 Misc : 4.71G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-5-(4-5)

Quant Time: Aug 22 06:56:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 17 08:01:41 2020  
 Response via : Initial Calibration

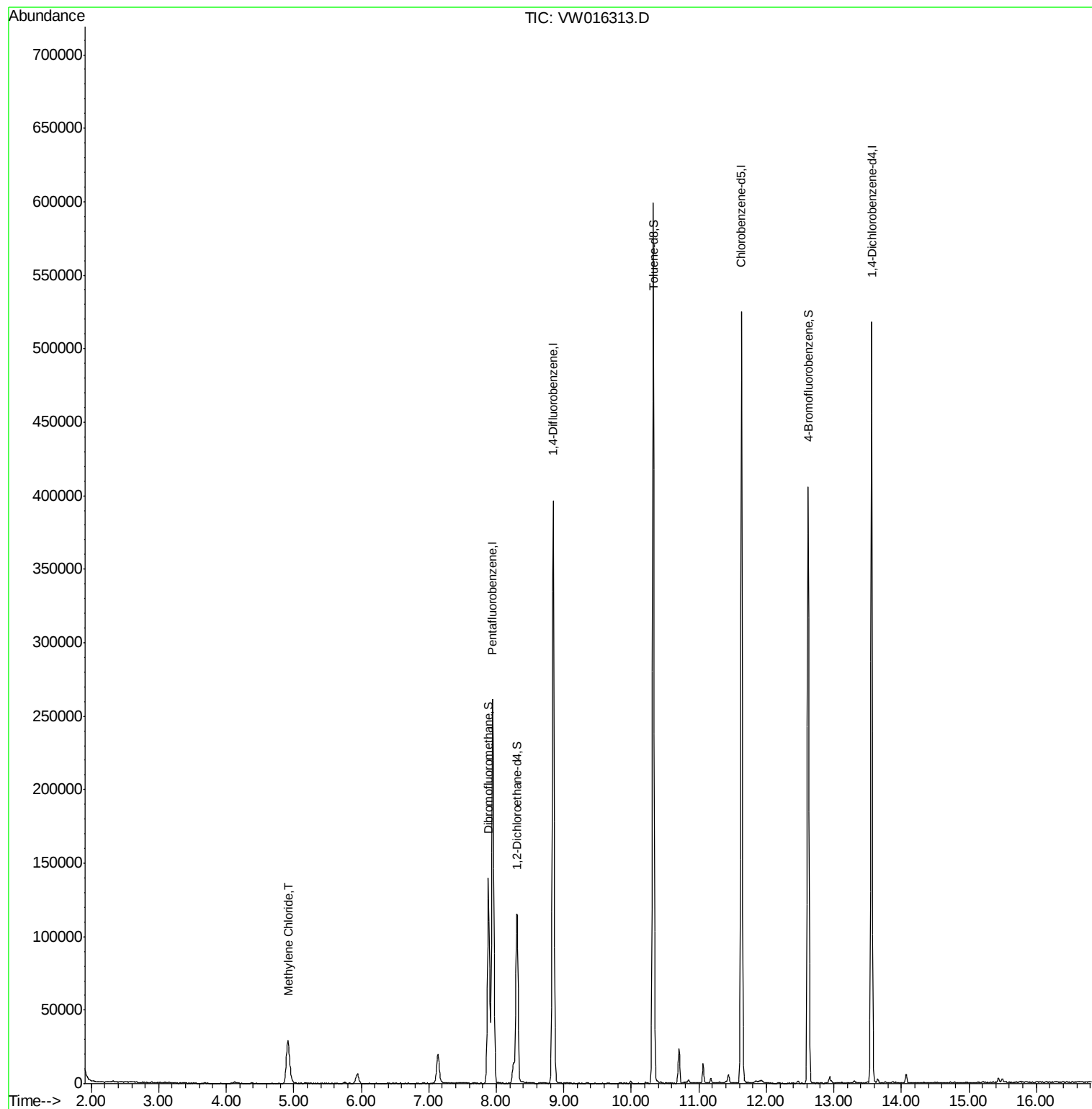
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 191878   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 349077   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 302089   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 137346   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 94750    | 50.64 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.28% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 102716   | 47.69 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.38%  |           |
| 50) Toluene-d8              | 10.32 | 98   | 414373   | 49.70 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.40%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 143051   | 48.00 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.00%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.92  | 84   | 27869    | 8.405 | ug/l    | Qvalue 92 |

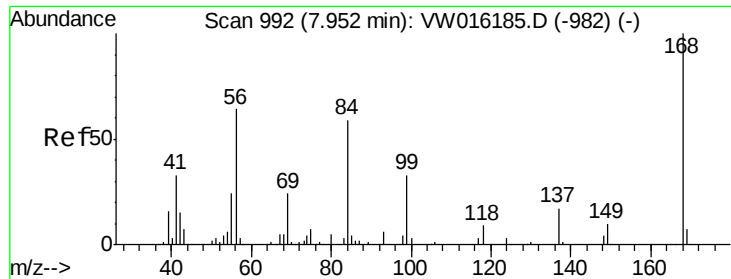
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Aug 17 08:01:41 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016313.D

Acq: 21 Aug 2020 18:19

Instrument :

MSVOA\_W

ClientSampleId :

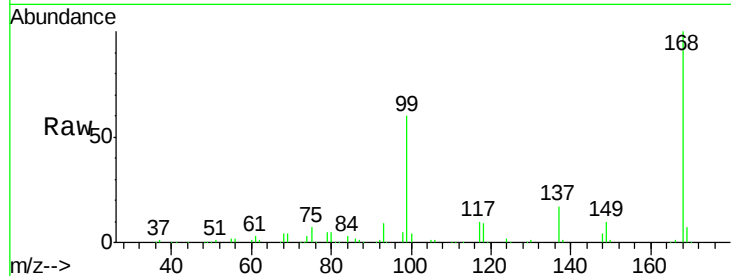
SB-5-(4-5)

Tot Ion:168 Resp: 191878

Ion Ratio Lower Upper

168 100

99 59.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

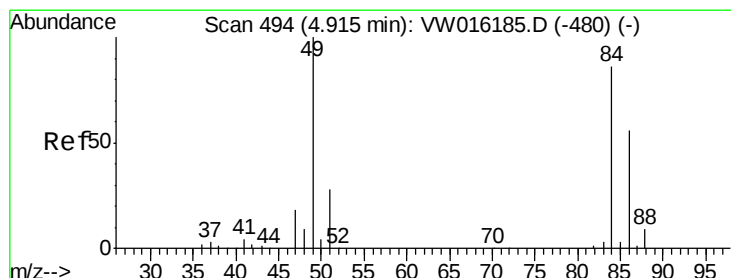
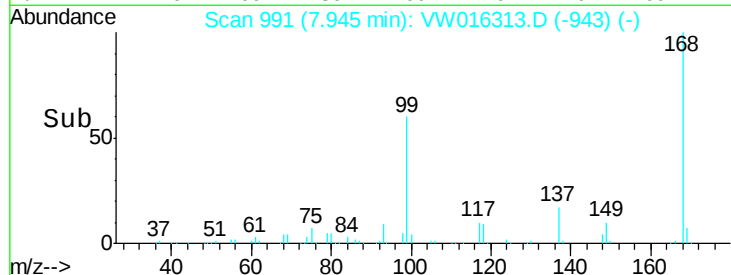
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 8.405 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016313.D

Acq: 21 Aug 2020 18:19

Tgt Ion: 84 Resp: 27869

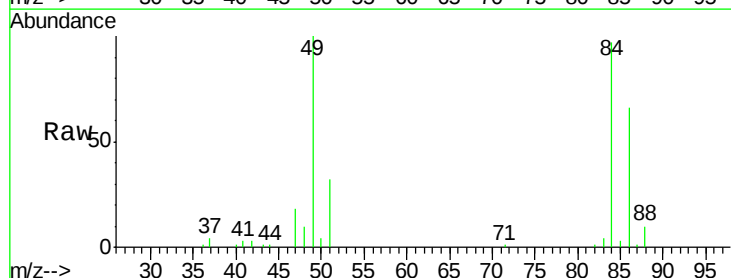
Ion Ratio Lower Upper

84 100

49 103.4 93.4 140.2

51 33.0 26.6 40.0

86 68.3 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

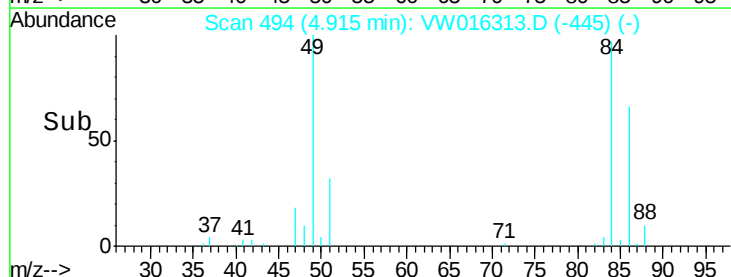
4.92

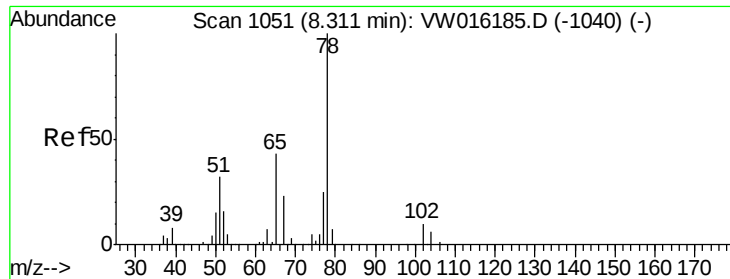
10000

5000

0

Time--> 4.80 4.90 5.00 5.10

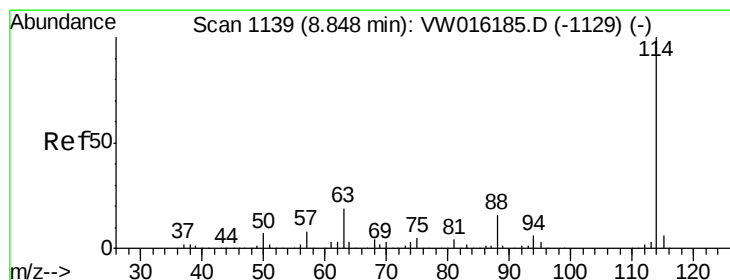
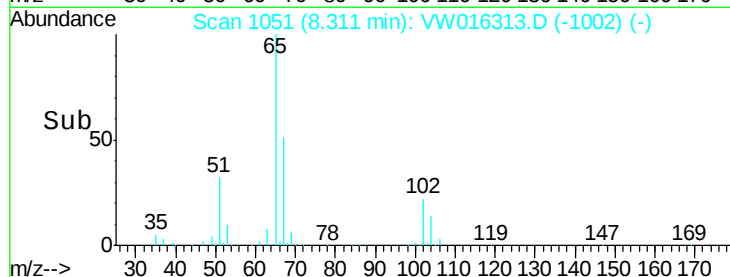
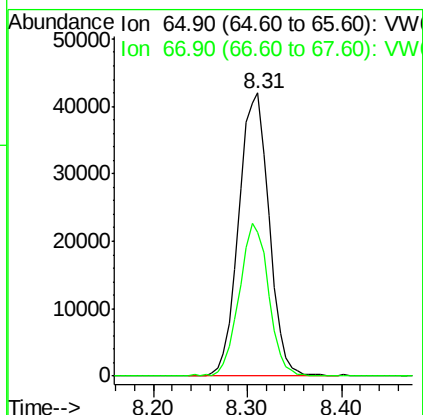
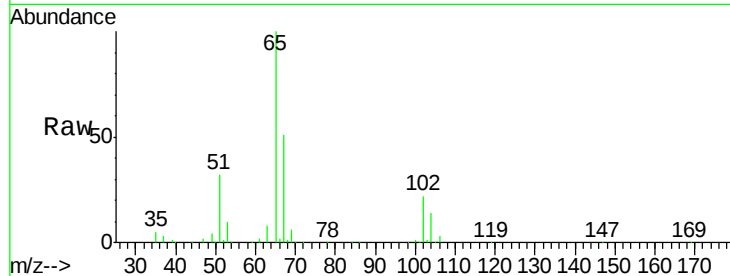




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.636 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW016313.D  
 Acq: 21 Aug 2020 18:19

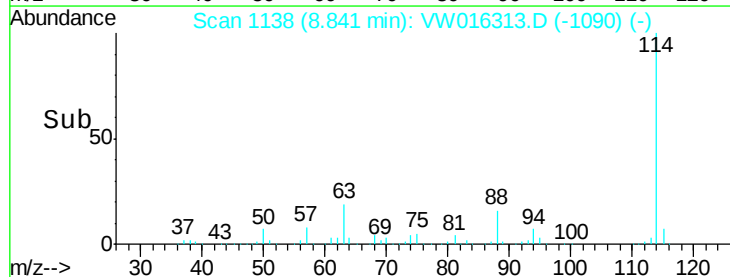
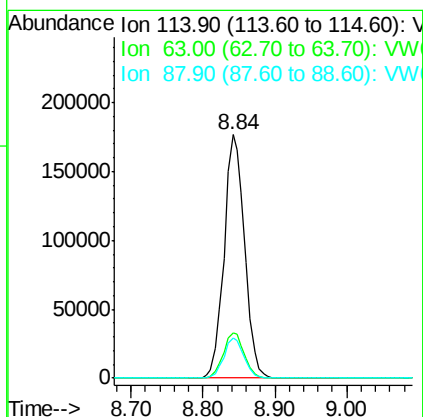
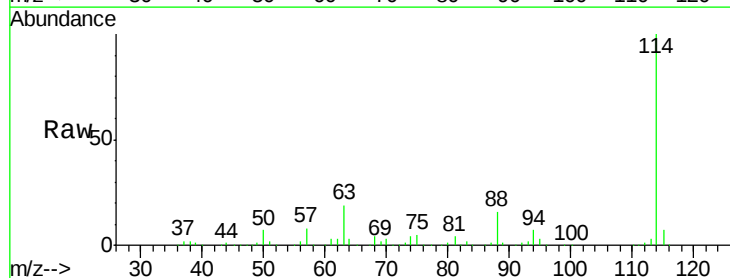
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-5-(4-5)

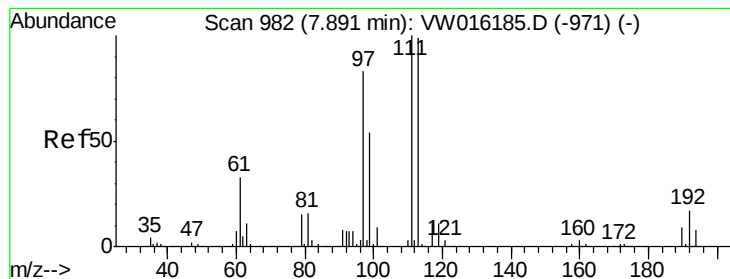
Tot Ion: 65 Resp: 94750  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: VW016313.D  
 Acq: 21 Aug 2020 18:19

Tgt Ion: 114 Resp: 349077  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 38.4  
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.690 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016313.D

Acq: 21 Aug 2020 18:19

Instrument :

MSVOA\_W

ClientSampleId :

SB-5-(4-5)

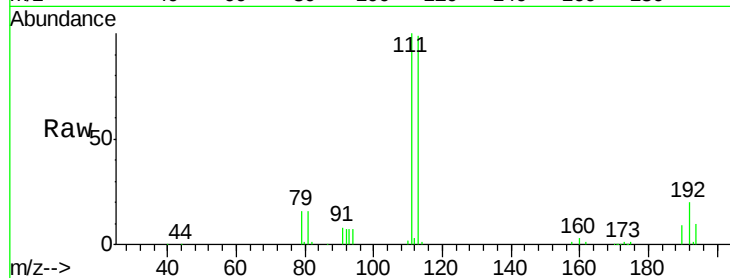
Tot Ion:113 Resp: 102716

Ion Ratio Lower Upper

113 100

111 101.6 83.5 125.3

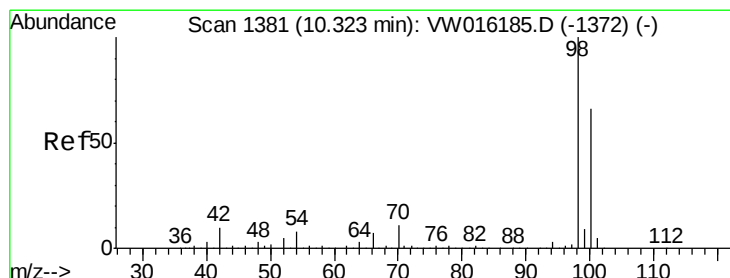
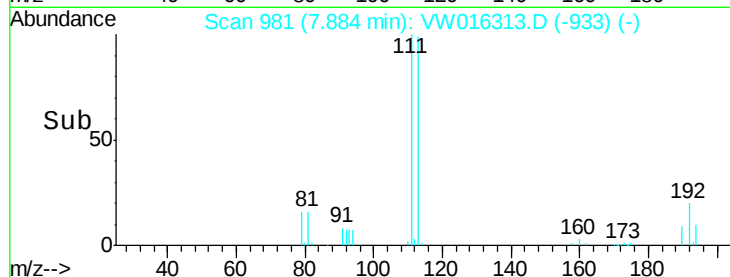
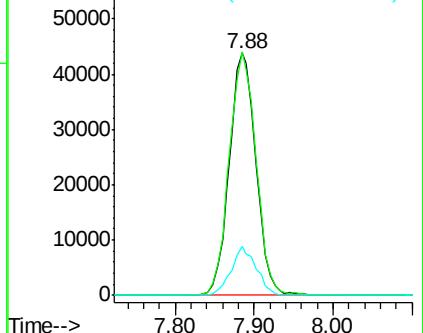
192 19.0 14.3 21.5



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: 49.702 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW016313.D

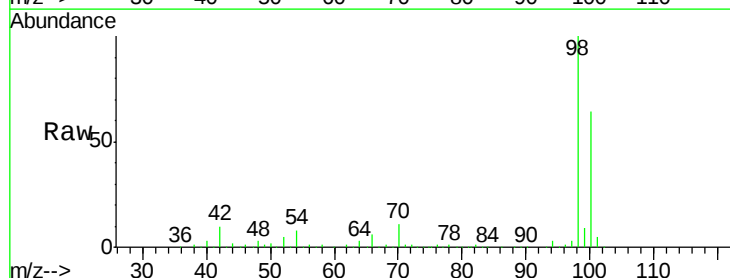
Acq: 21 Aug 2020 18:19

Tgt Ion: 98 Resp: 414373

Ion Ratio Lower Upper

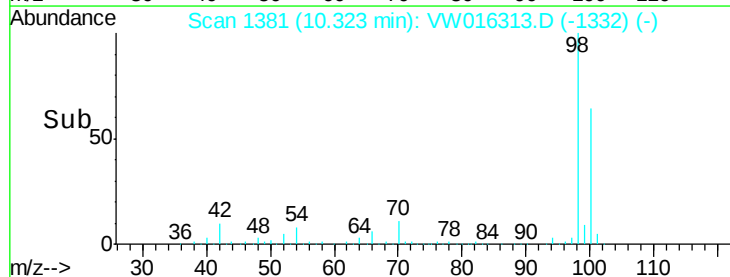
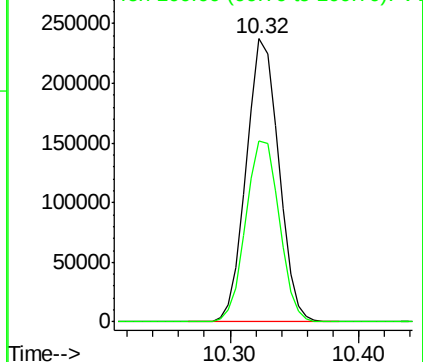
98 100

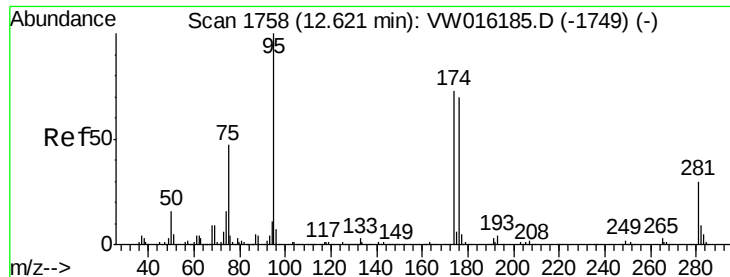
100 65.9 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

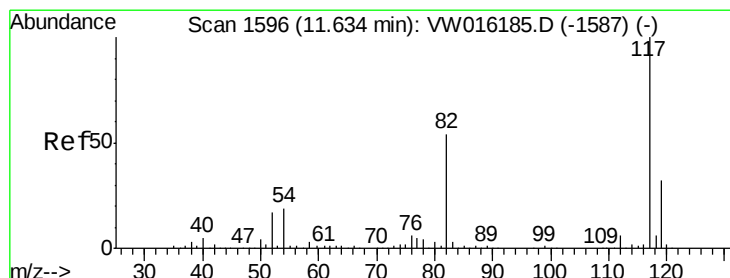
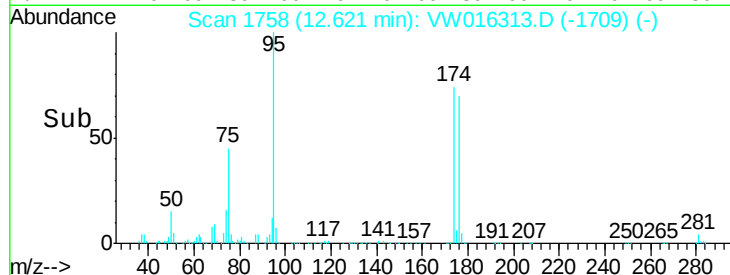
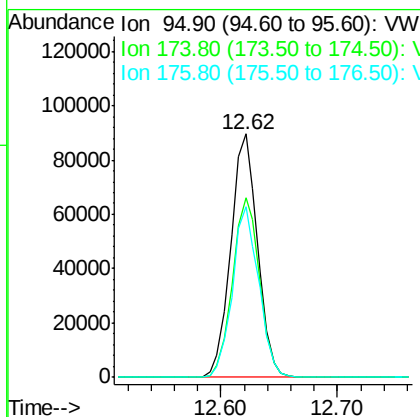
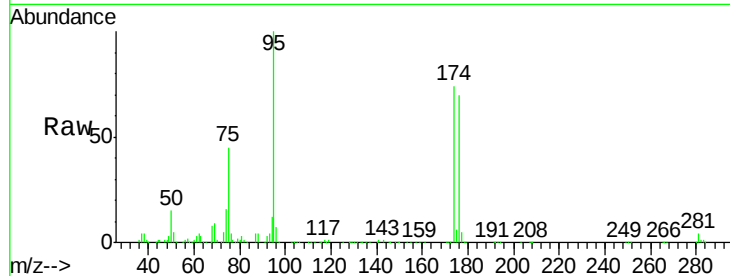




#62  
4-Bromofluorobenzene  
Concen: 48.001 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW016313.D  
Acq: 21 Aug 2020 18:19

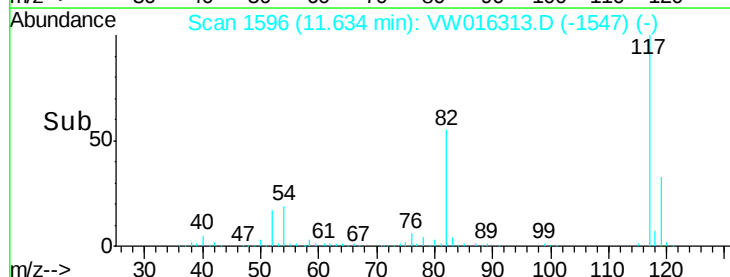
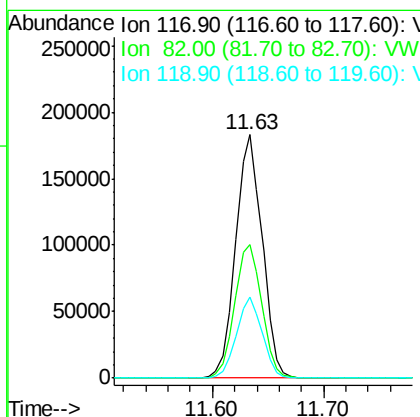
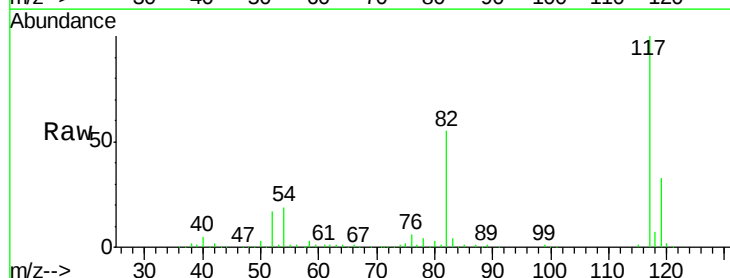
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-5-(4-5)

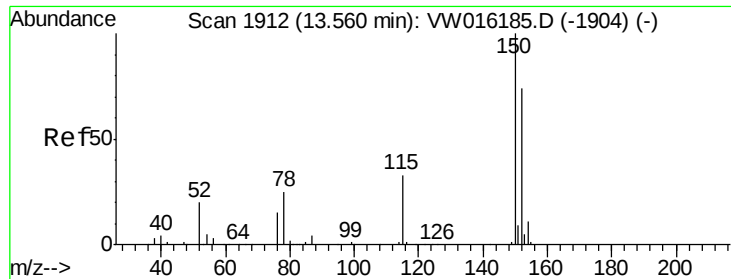
Tot Ion: 95 Resp: 143051  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 145.6  
176 69.1 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW016313.D  
Acq: 21 Aug 2020 18:19

Tgt Ion: 117 Resp: 302089  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.6 65.4  
119 33.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW016313.D

Acq: 21 Aug 2020 18:19

Instrument :

MSVOA\_W

ClientSampleId :

SB-5-(4-5)

Tot Ion:152 Resp: 137346

Ion Ratio Lower Upper

152 100

115 63.2 30.9 92.5

150 161.7 0.0 337.8

