

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\  
 Data File : VW012872.D  
 Acq On : 10 Sep 2019 15:58  
 Operator : SY/VA  
 Sample : K4692-01  
 Misc : 5.09G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-24-15.5-16.0

Quant Time: Sep 10 18:13:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 05:04:40 2019  
 Response via : Initial Calibration

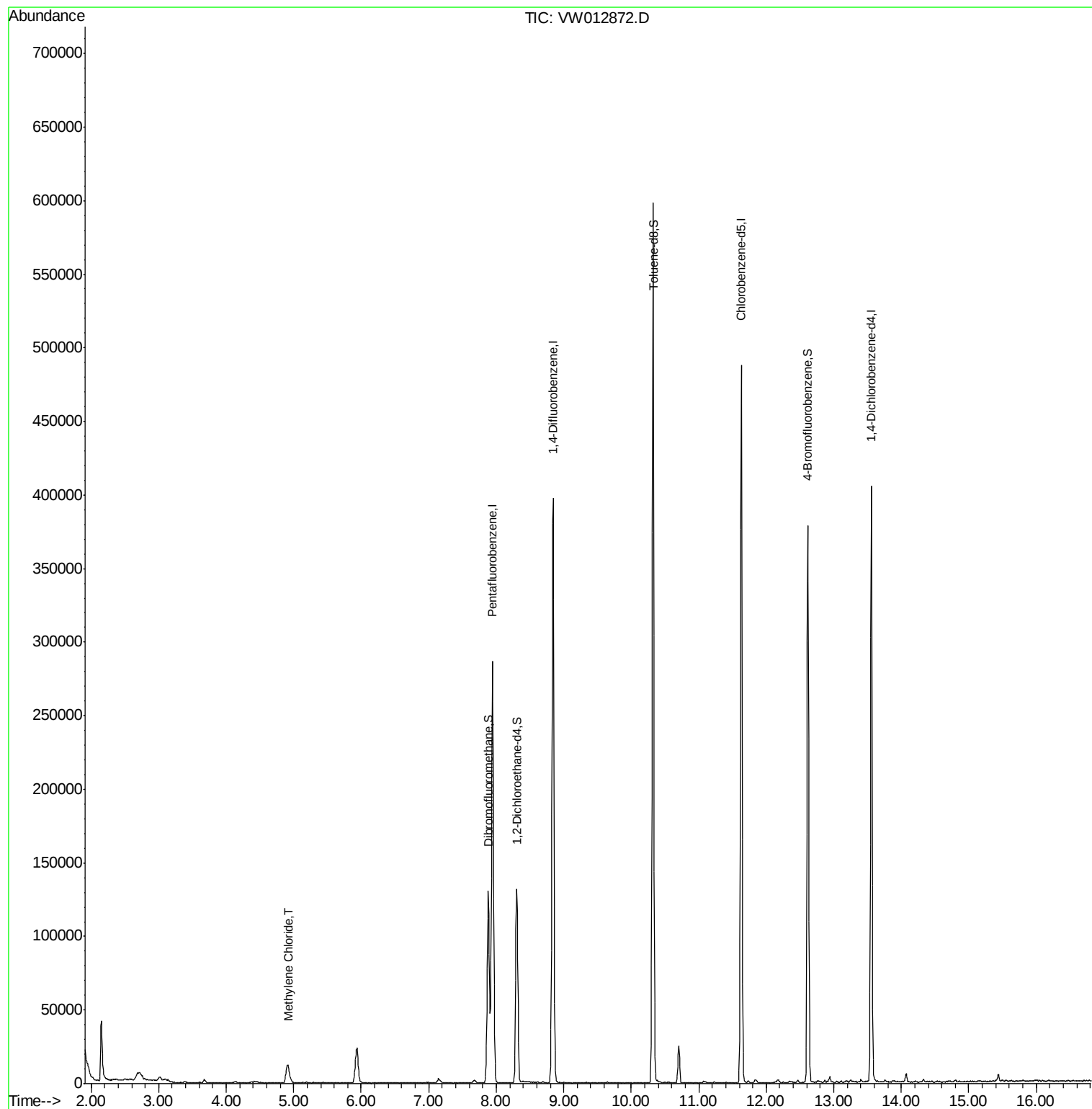
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 219554   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 328021   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 264721   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 107012   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 108118   | 44.07 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.14% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 94443    | 48.43 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.86% |           |
| 50) Toluene-d8              | 10.32 | 98   | 381787   | 49.97 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.94% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 118352   | 42.67 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.34% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 4.92  | 84   | 10256    | 4.902 | ug/l   | Qvalue 84 |

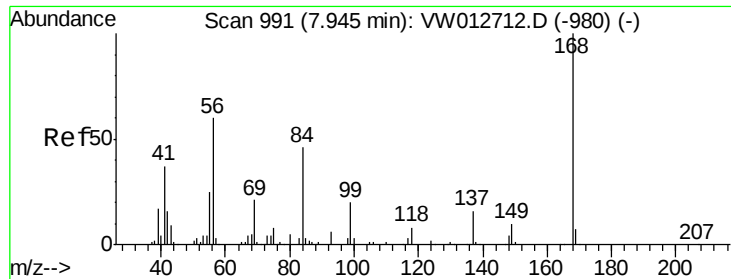
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-24-15.5-16.0

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA\_W

ClientSampleId :

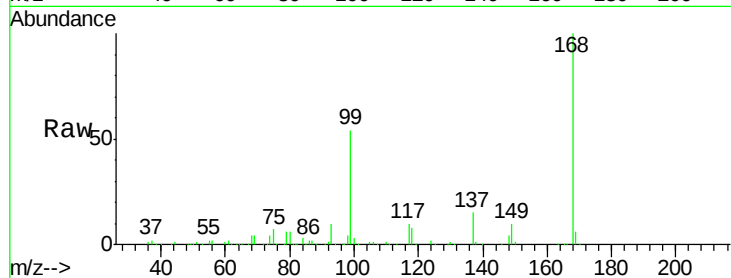
SB-24-15.5-16.0

Tot Ion:168 Resp: 219554

Ion Ratio Lower Upper

168 100

99 54.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

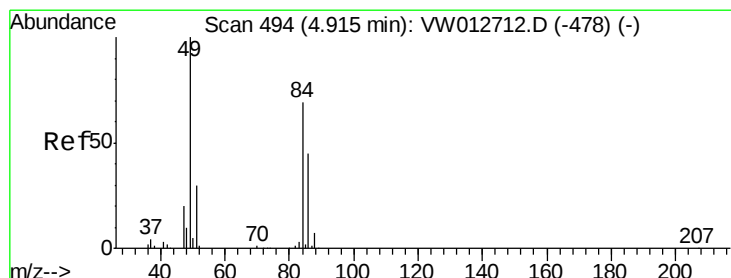
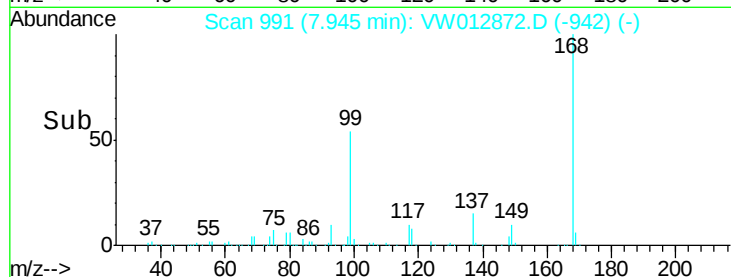
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#20

Methylene Chloride

Concen: 4.902 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Tgt Ion: 84 Resp: 10256

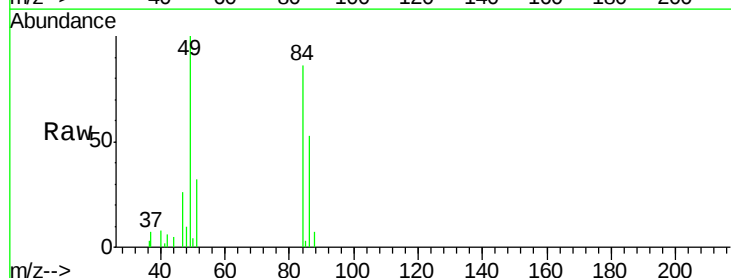
Ion Ratio Lower Upper

84 100

49 115.7 115.4 173.0

51 36.8 34.9 52.3

86 61.4 52.2 78.4



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

6000

5000

4000

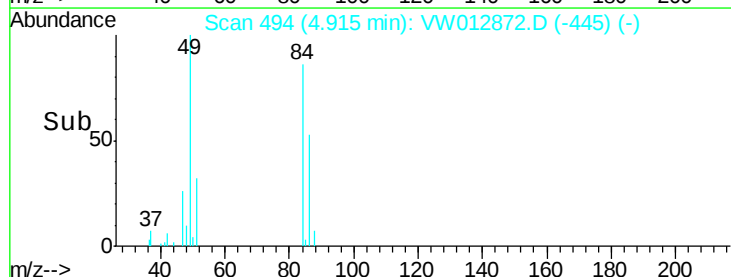
3000

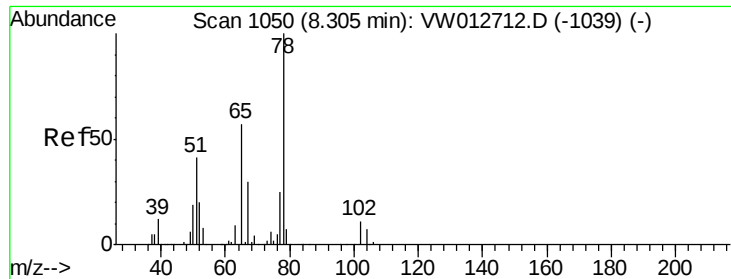
2000

1000

0

Time--> 4.80 4.90 5.00

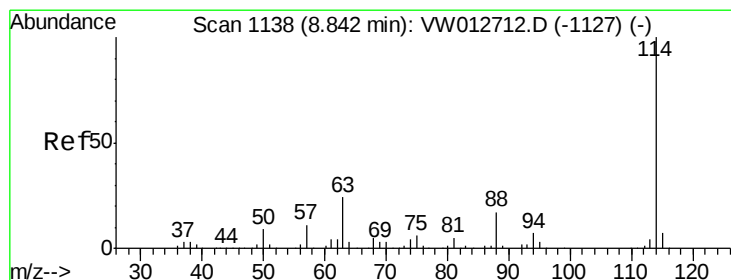
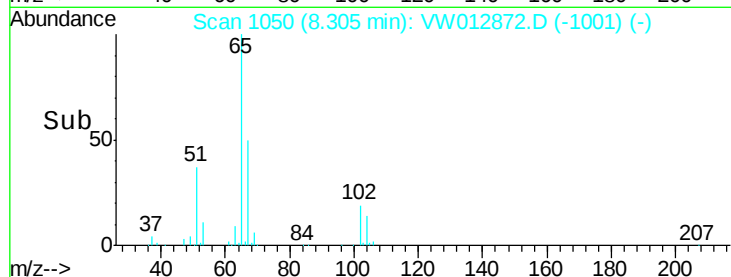
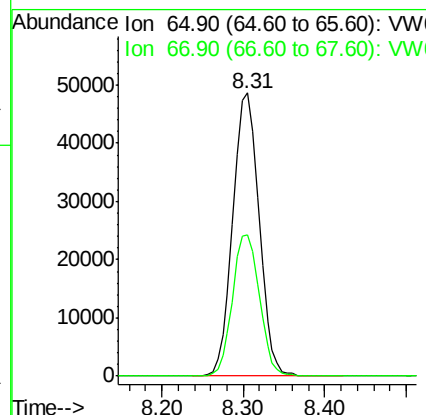
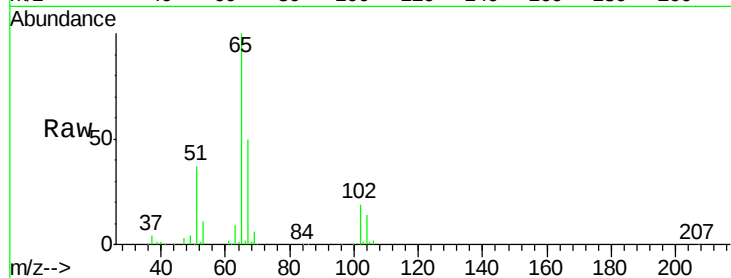




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.073 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW012872.D  
 Acq: 10 Sep 2019 15:58

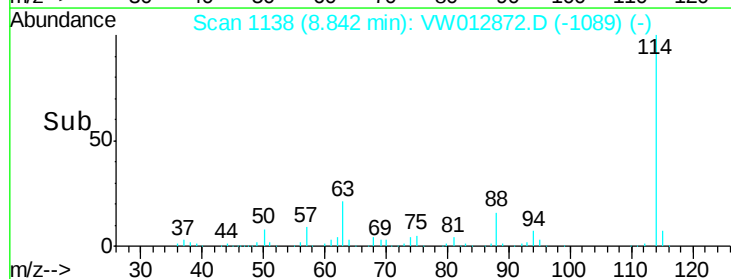
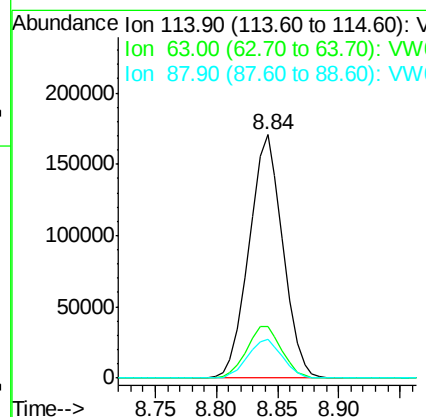
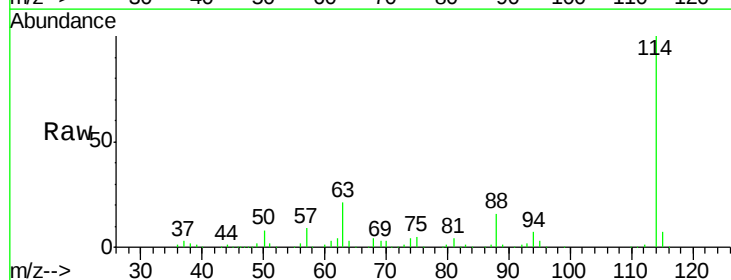
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-24-15.5-16.0

Tot Ion: 65 Resp: 108118  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012872.D  
 Acq: 10 Sep 2019 15:58

Tgt Ion: 114 Resp: 328021  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 47.2  
 88 16.2 0.0 34.0

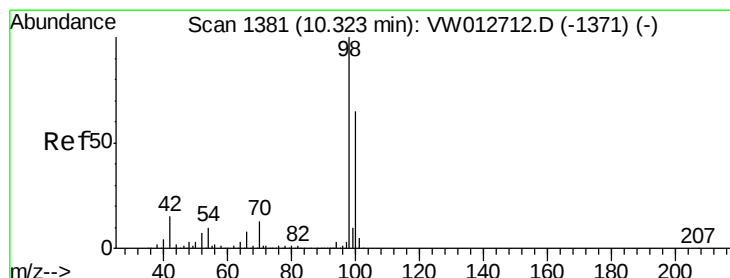
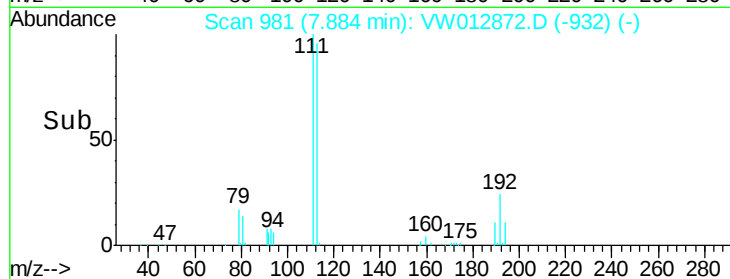
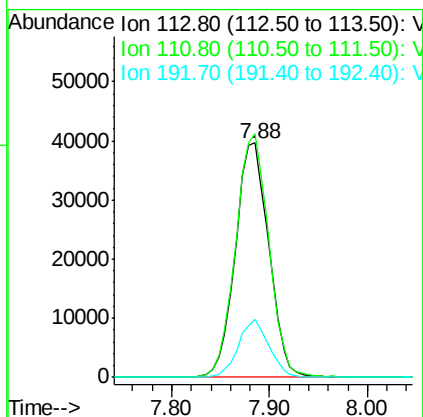
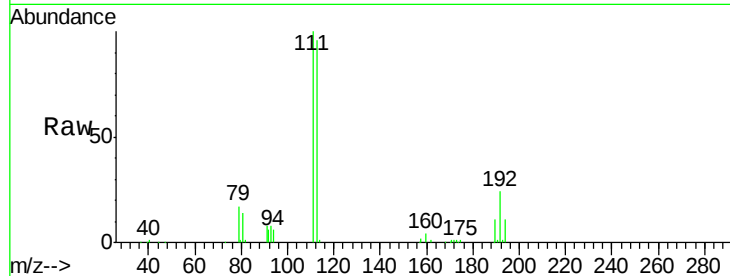




#35  
 Dibromofluoromethane  
 Concen: 48.428 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW012872.D  
 Acq: 10 Sep 2019 15:58

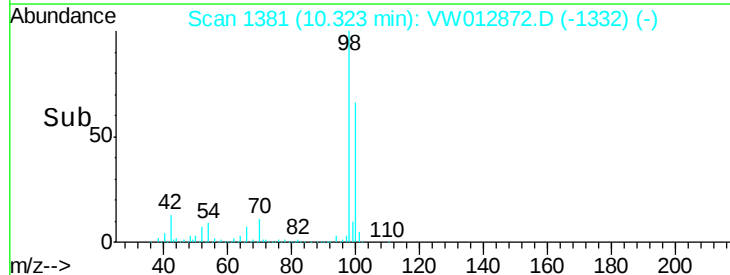
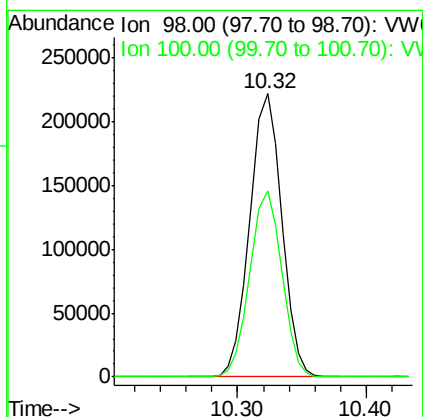
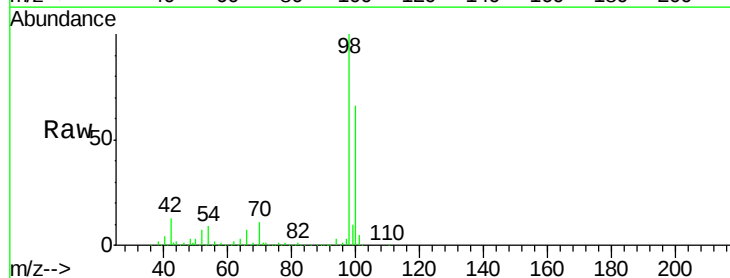
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-24-15.5-16.0

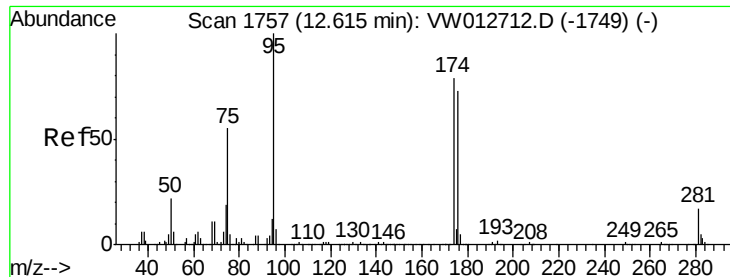
Tot Ion:113 Resp: 94443  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 80.2 120.4  
 192 22.7 17.3 25.9



#50  
 Toluene-d8  
 Concen: 49.970 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW012872.D  
 Acq: 10 Sep 2019 15:58

Tgt Ion: 98 Resp: 381787  
 Ion Ratio Lower Upper  
 98 100  
 100 65.8 52.2 78.4

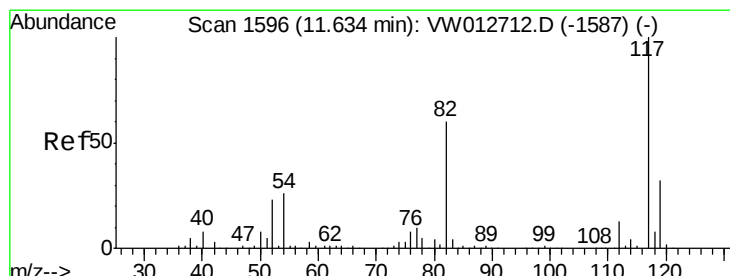
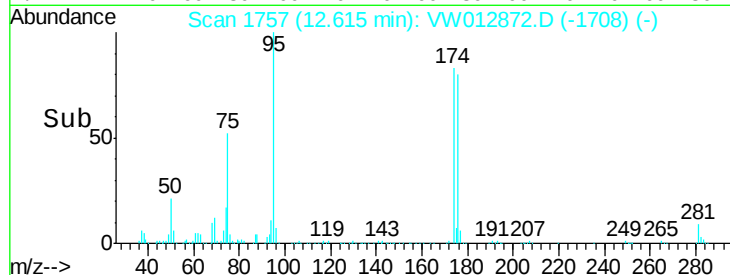
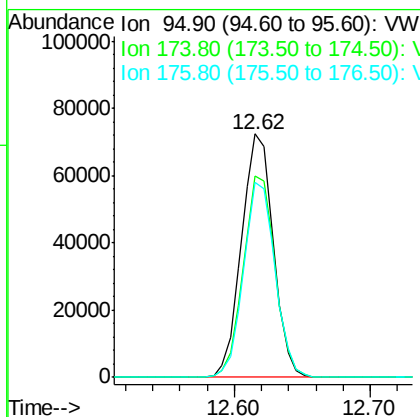
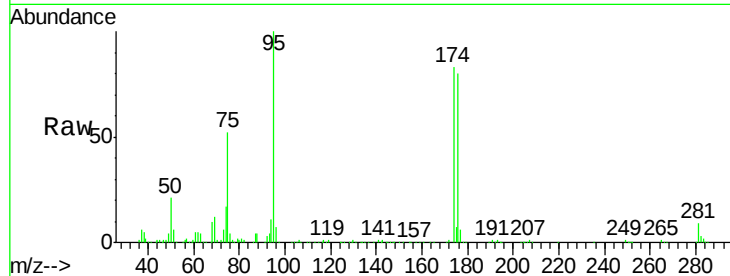




#62  
4-Bromofluorobenzene  
Concen: 42.670 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW012872.D  
Acq: 10 Sep 2019 15:58

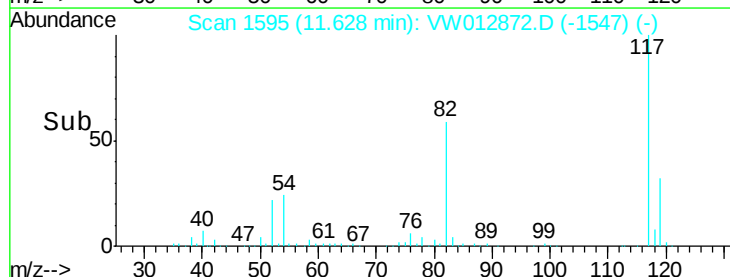
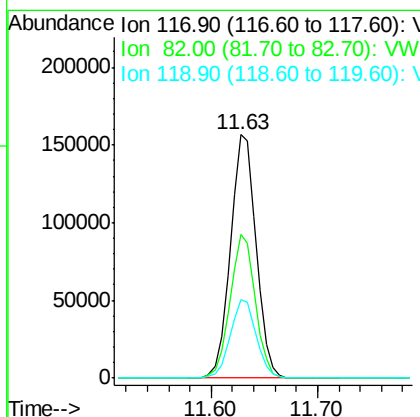
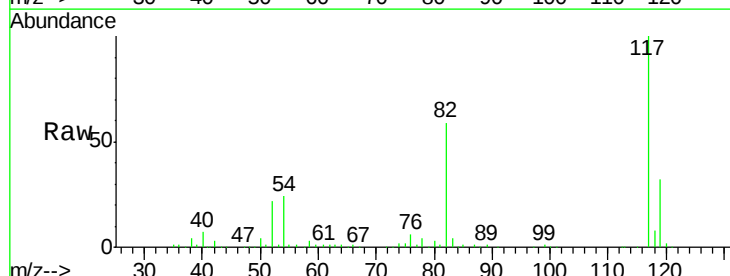
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-24-15.5-16.0

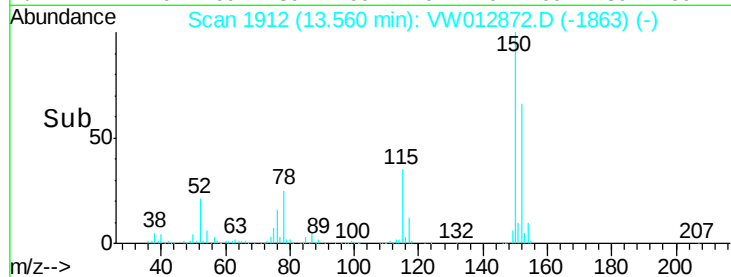
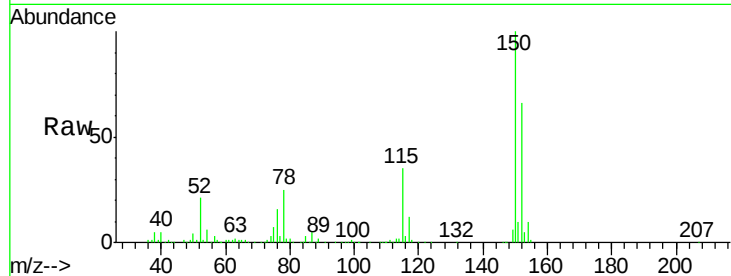
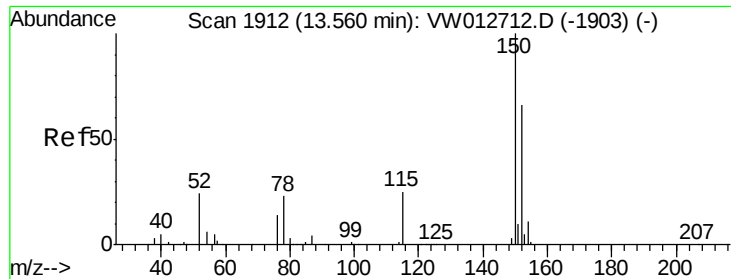
Tot Ion: 95 Resp: 118352  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 161.0  
176 79.6 0.0 156.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012872.D  
Acq: 10 Sep 2019 15:58

Tgt Ion: 117 Resp: 264721  
Ion Ratio Lower Upper  
117 100  
82 59.0 48.2 72.4  
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012872.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA\_W

ClientSampleId :

SB-24-15.5-16.0

Tot Ion:152 Resp: 107012

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.1

150 157.0 0.0 349.0

