

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\  
 Data File : VW007465.D  
 Acq On : 13 Dec 2018 03:31  
 Operator : SY/AP  
 Sample : J6340-07  
 Misc : 4.13G/5ML/MSVOA W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-05A

Quant Time: Dec 13 06:11:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

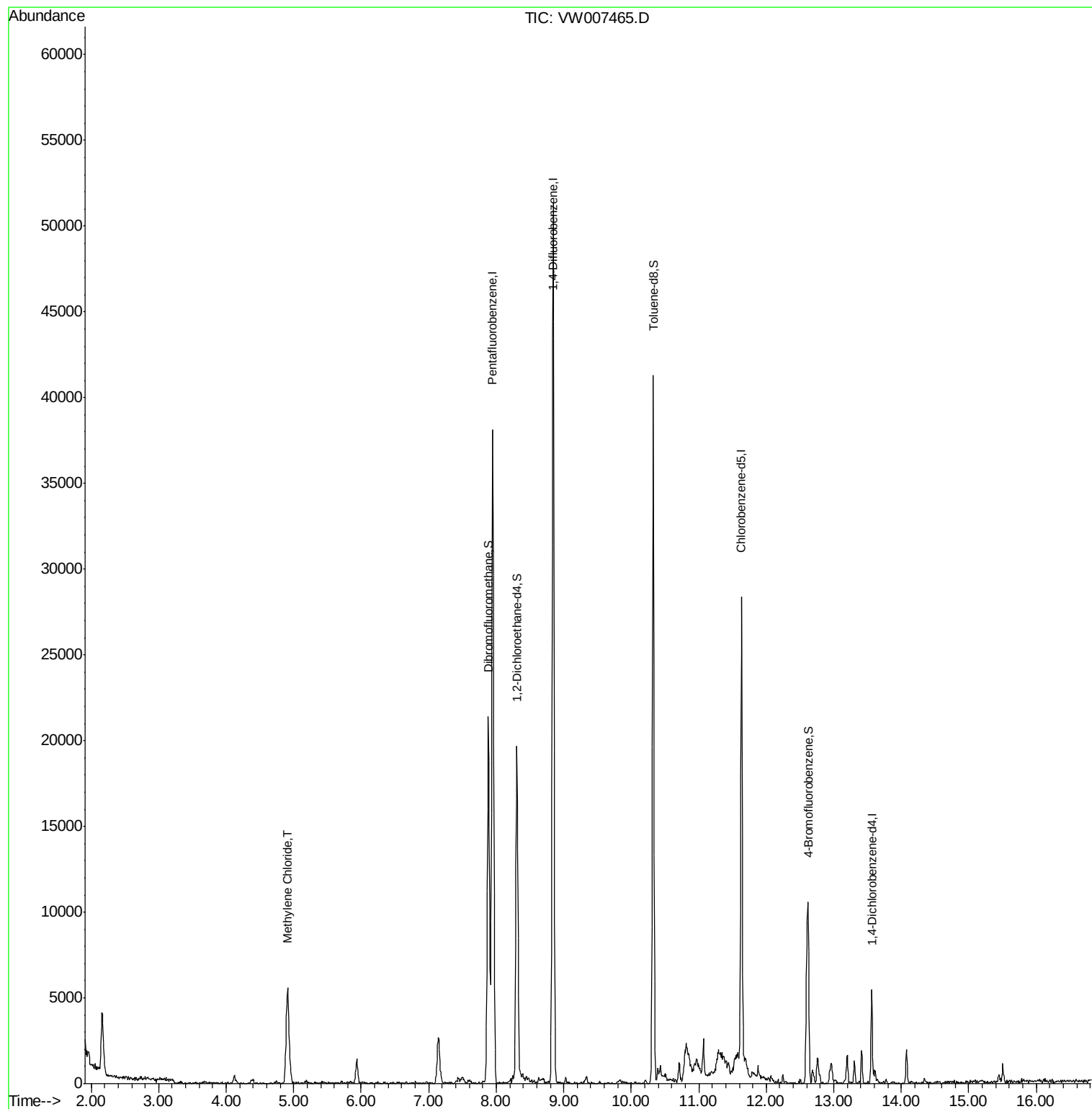
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 27600    | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 42357    | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 15300    | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 1735     | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 15433    | 50.40  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.80% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 15396    | 60.05  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.10% |           |
| 50) Toluene-d8              | 10.32 | 98   | 26708    | 27.78  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 55.56%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 2879     | 8.14   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 16.28%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.92  | 84   | 4487     | 12.395 | ug/l    | Qvalue 97 |

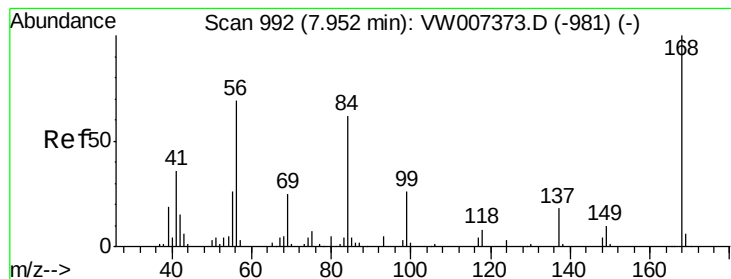
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121518\  
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MSVOA\_W  
ClientSampleId :  
SB-05A

Quant Time: Dec 13 06:11:32 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA\_W

ClientSampleId :

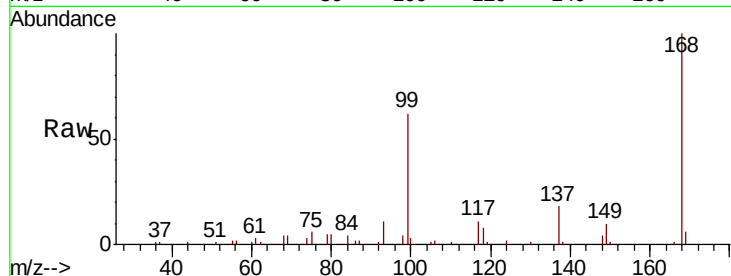
SB-05A

Tot Ion:168 Resp: 27600

Ion Ratio Lower Upper

168 100

99 61.8 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

15000

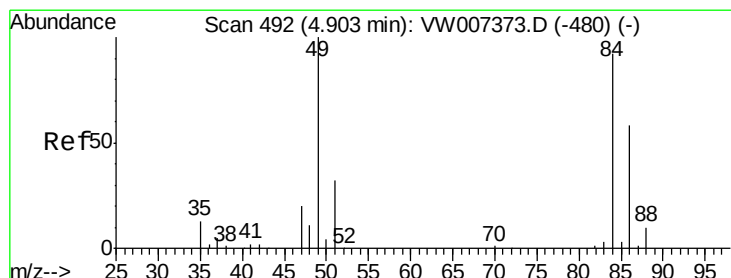
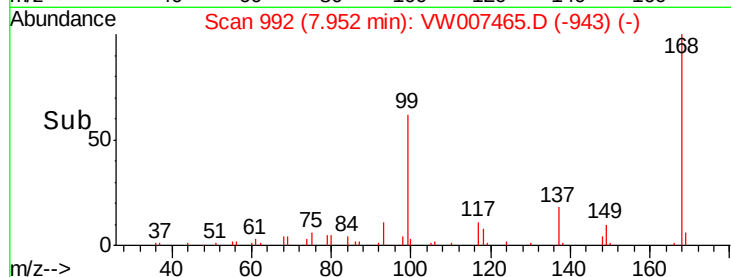
10000

5000

0

7.85 7.90 7.95 8.00

Time-->



#20

Methylene Chloride

Concen: 12.395 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Tgt Ion: 84 Resp: 4487

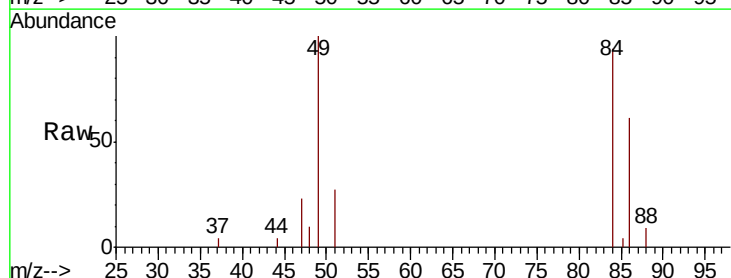
Ion Ratio Lower Upper

84 100

49 106.7 87.1 130.7

51 29.0 28.2 42.2

86 64.6 50.8 76.2



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

2500

2000

1500

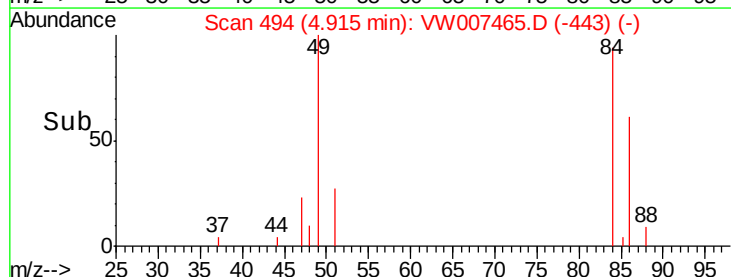
1000

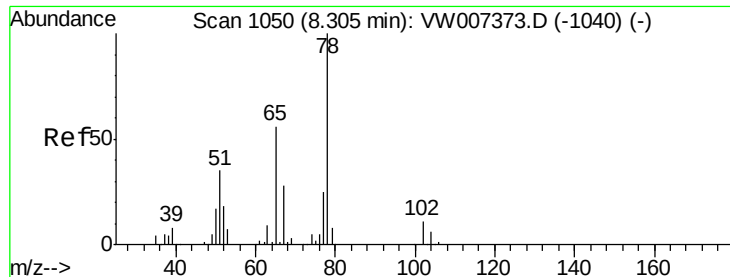
500

0

4.80 4.90 5.00

Time-->

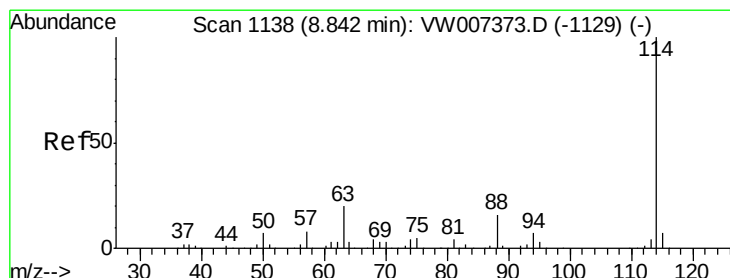
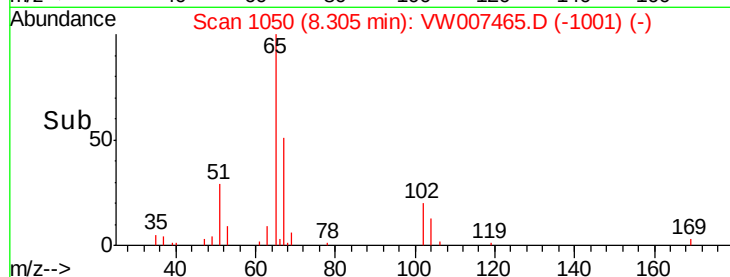
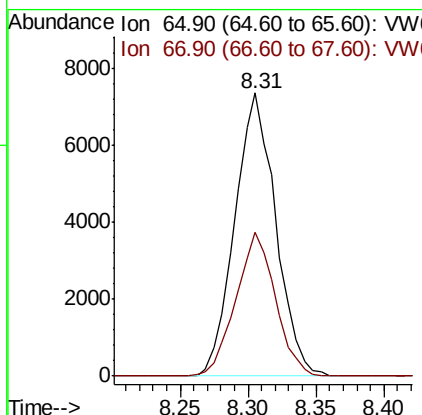
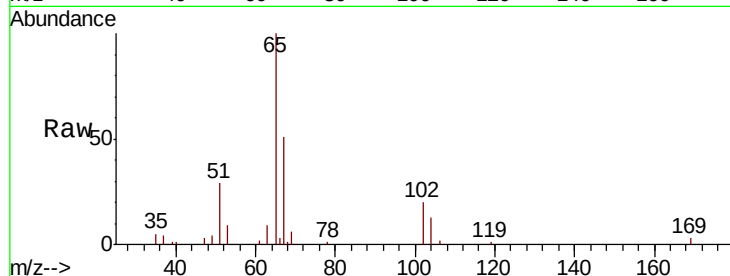




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.402 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW007465.D  
 Acq: 13 Dec 2018 03:31

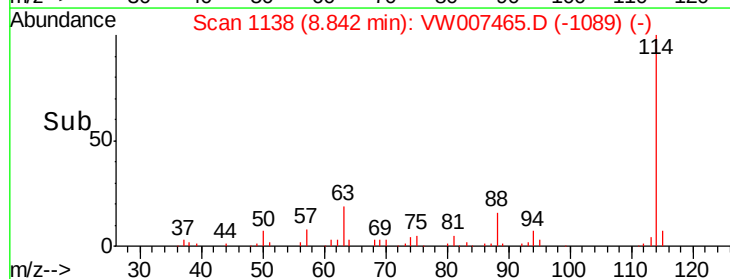
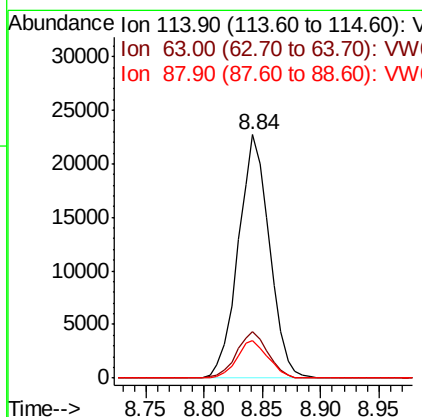
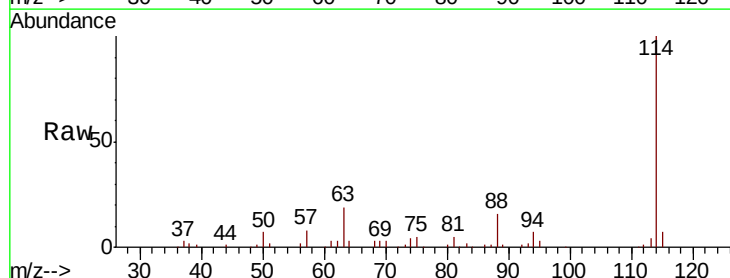
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-05A

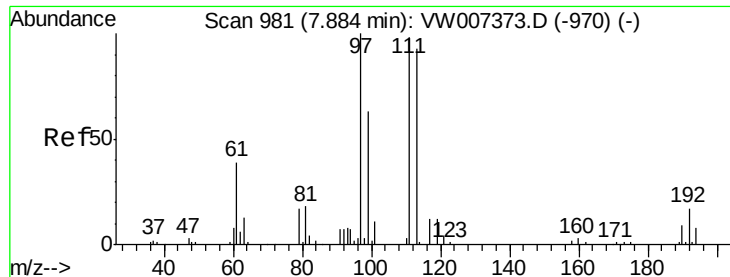
Tot Ion: 65 Resp: 15433  
 Ion Ratio Lower Upper  
 65 100  
 67 49.0 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007465.D  
 Acq: 13 Dec 2018 03:31

Tgt Ion: 114 Resp: 42357  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 39.6  
 88 15.5 0.0 31.4

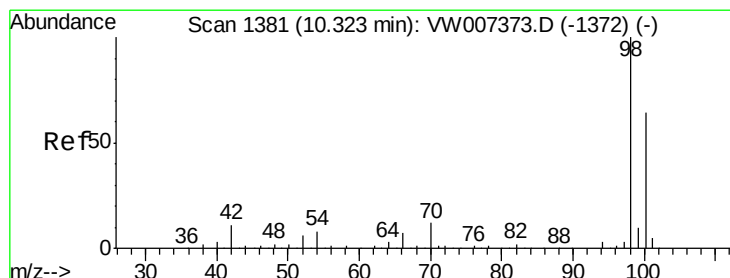
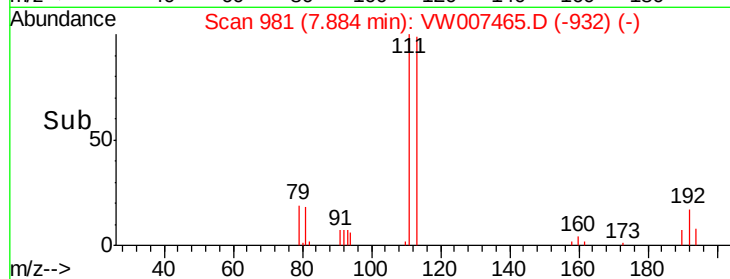
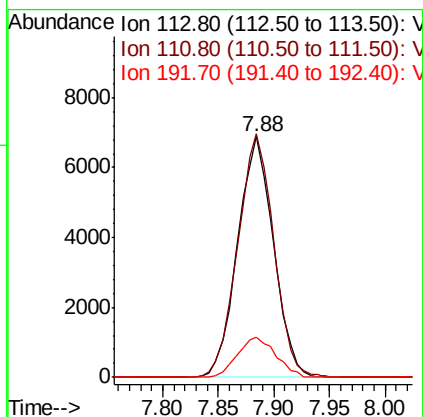
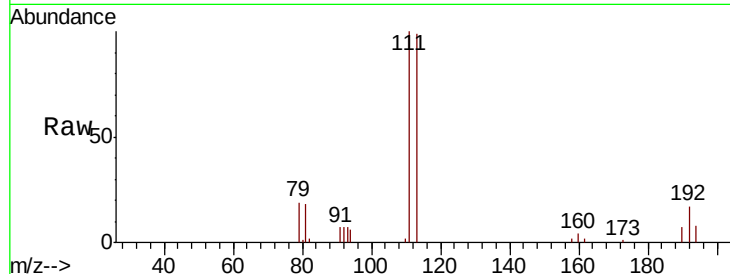




#35  
 Dibromofluoromethane  
 Concen: 60.046 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007465.D  
 Acq: 13 Dec 2018 03:31

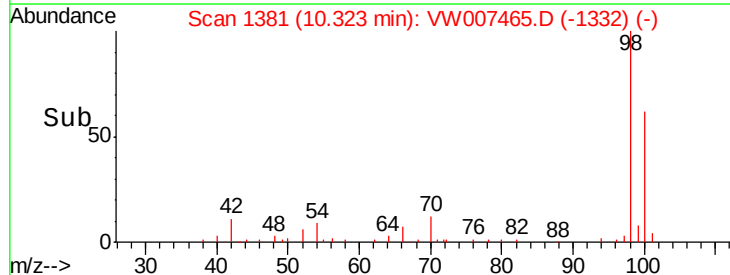
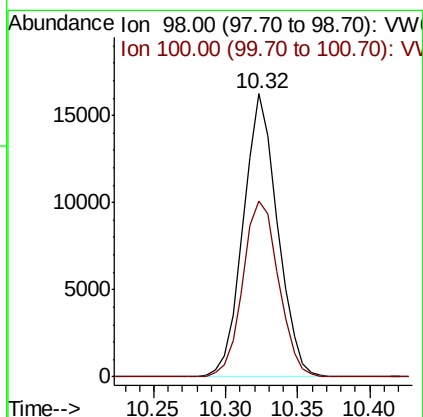
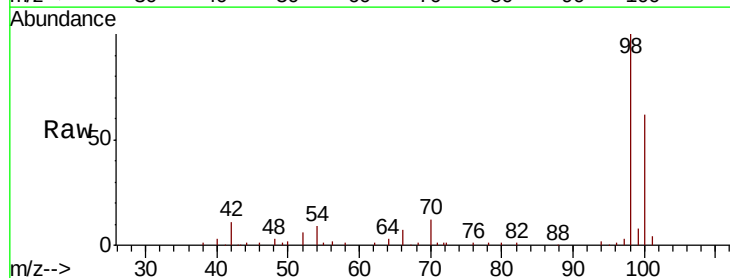
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 ClientSampleId :  
 SB-05A

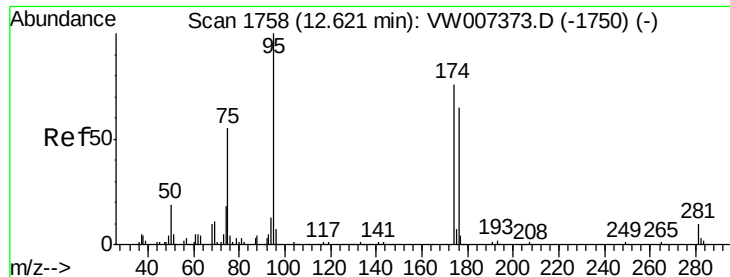
| Tot Ion | 113   | Resp  | 15396 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 113     | 100   |       |       |
| 111     | 101.8 | 81.1  | 121.7 |
| 192     | 17.8  | 14.6  | 21.8  |



#50  
 Toluene-d8  
 Concen: 27.781 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW007465.D  
 Acq: 13 Dec 2018 03:31

| Tgt Ion | 98    | Resp  | 26708 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 98      | 100   |       |       |
| 100     | 64.8  | 51.8  | 77.8  |

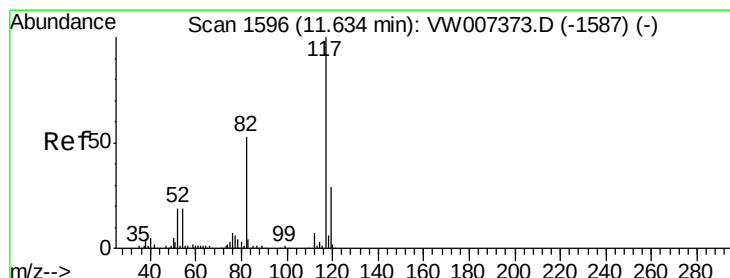
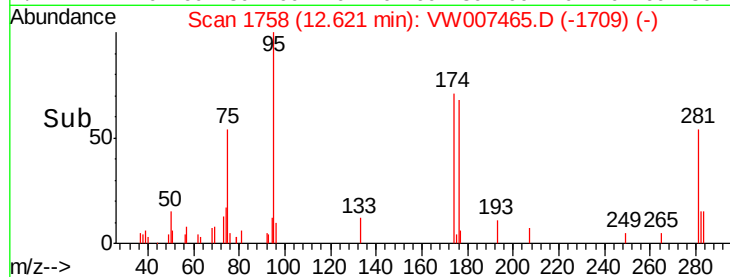
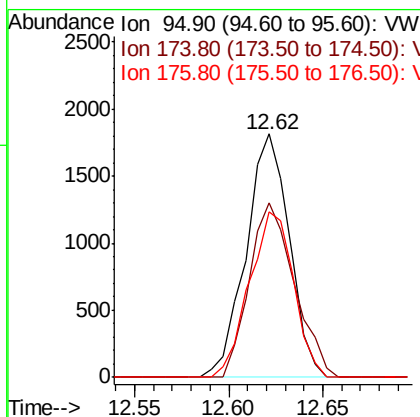
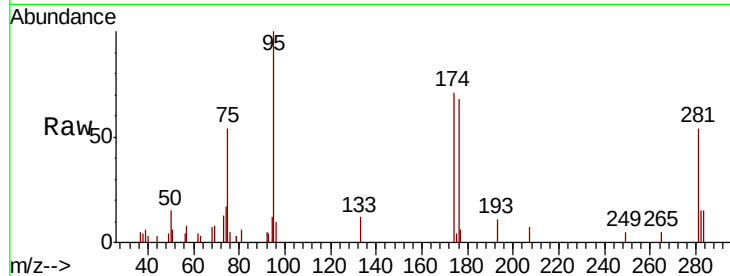




#62  
4-Bromofluorobenzene  
Concen: 8.145 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW007465.D  
Acq: 13 Dec 2018 03:31

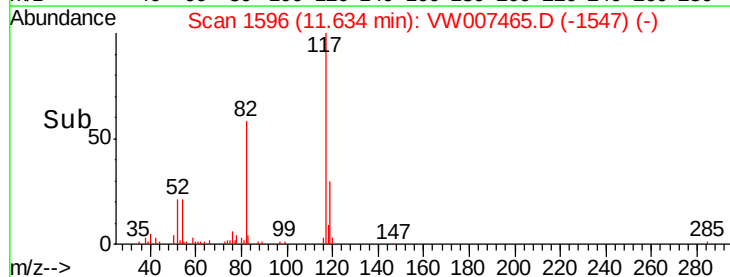
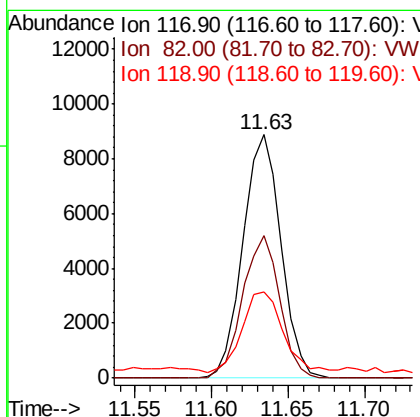
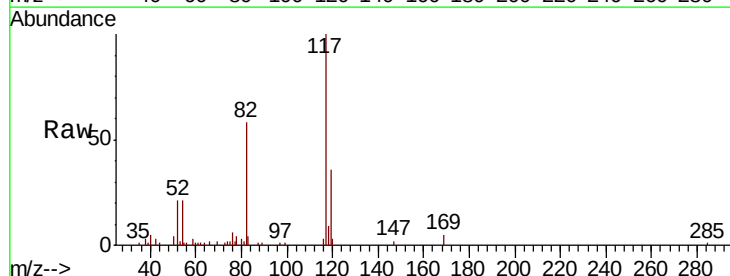
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-05A

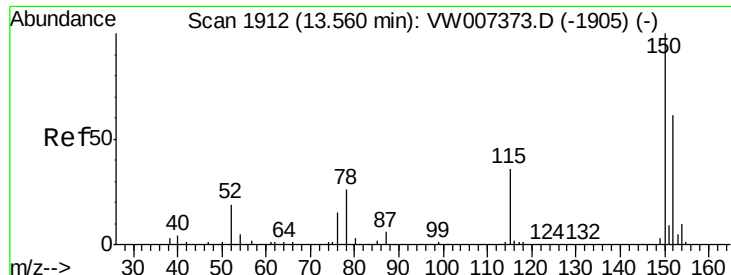
Tot Ion: 95 Resp: 2879  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 147.2  
176 69.4 0.0 138.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007465.D  
Acq: 13 Dec 2018 03:31

Tgt Ion: 117 Resp: 15300  
Ion Ratio Lower Upper  
117 100  
82 58.4 42.3 63.5  
119 32.1 23.0 34.6

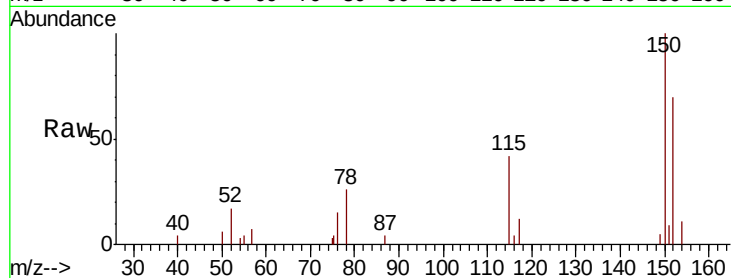




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1913  
 Delta R.T. 0.01 min  
 Lab File: VW007465.D  
 Acq: 13 Dec 2018 03:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-05A

Tot Ion:152 Resp: 1735  
 Ion Ratio Lower Upper  
 152 100  
 115 59.1 31.4 94.2  
 150 158.3 0.0 358.4



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

