

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\  
 Data File : VW006505.D  
 Acq On : 30 Oct 2018 16:43  
 Operator : SY/AP  
 Sample : J5624-09RE  
 Misc : 5.31G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PA-SB-01ARE

Quant Time: Oct 30 17:31:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

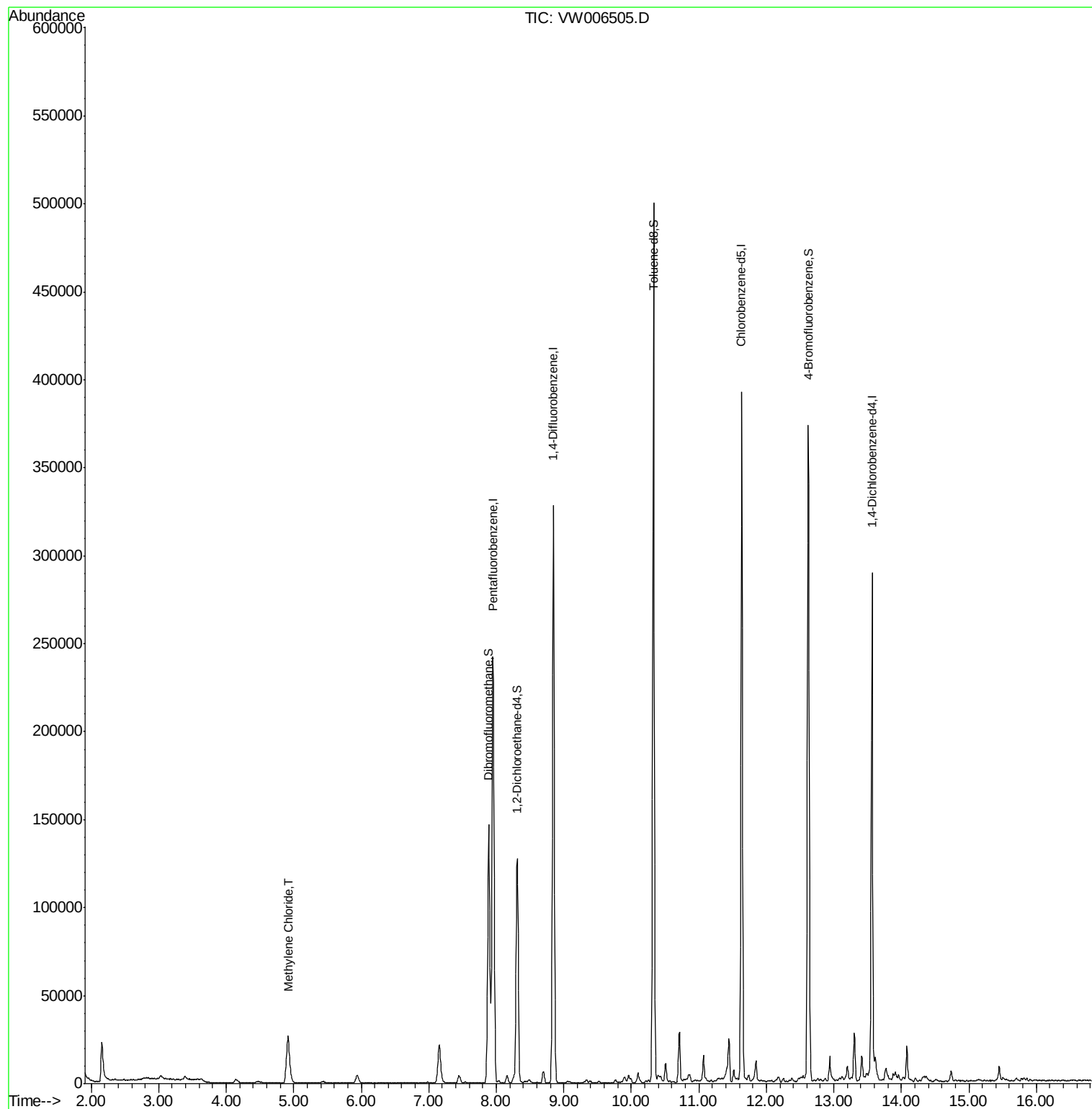
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 201840   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 292765   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 232349   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 82641    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 102212   | 61.08  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.16% |           |
| 35) Dibromofluoromethane    | 7.89  | 113  | 101155   | 58.47  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.94% |           |
| 50) Toluene-d8              | 10.33 | 98   | 338582   | 51.44  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.88% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 95593    | 38.67  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.34%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.92  | 84   | 22145    | 11.245 | ug/l    | Qvalue 93 |

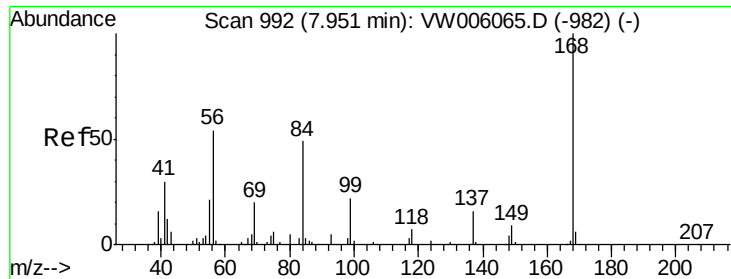
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW103118\  
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Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 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: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA\_W

ClientSampleId :

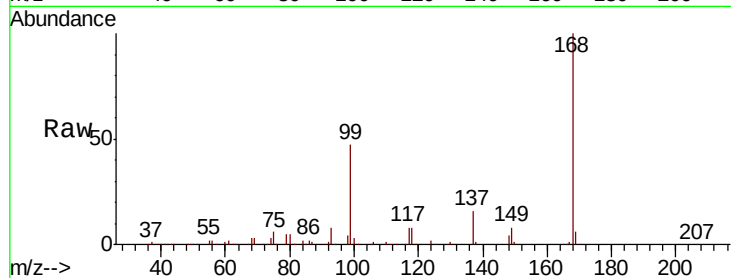
PA-SB-01ARE

Tot Ion:168 Resp: 201840

Ion Ratio Lower Upper

168 100

99 47.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

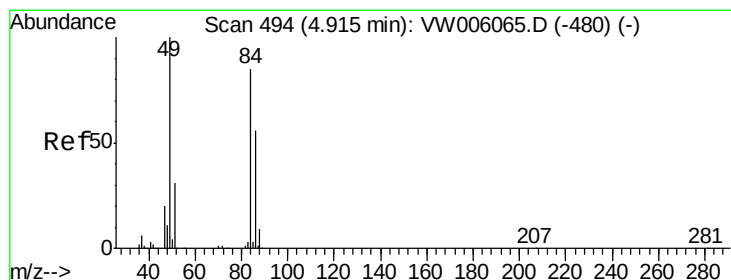
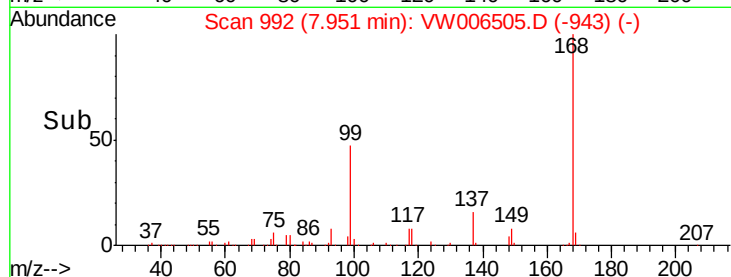
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 11.245 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Tgt Ion: 84 Resp: 22145

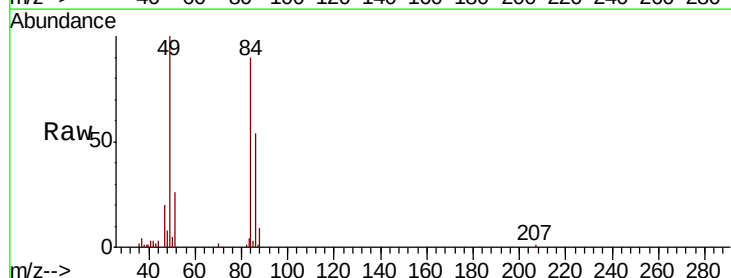
Ion Ratio Lower Upper

84 100

49 111.5 93.6 140.4

51 29.4 29.0 43.4

86 60.0 52.6 79.0



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

12000

10000

8000

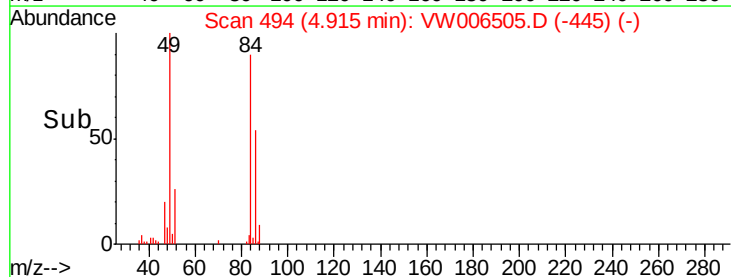
6000

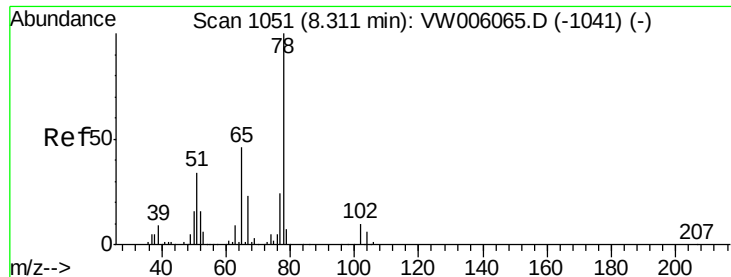
4000

2000

0

Time-->

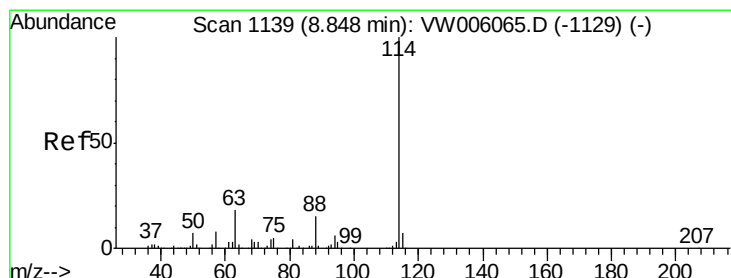
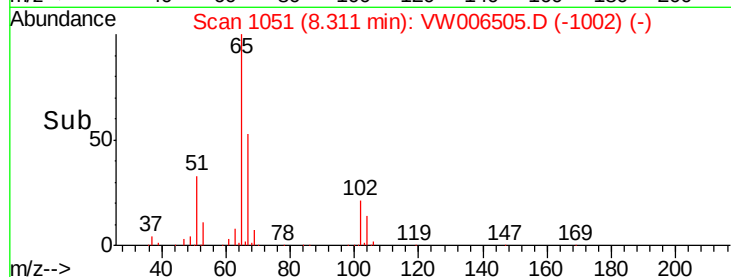
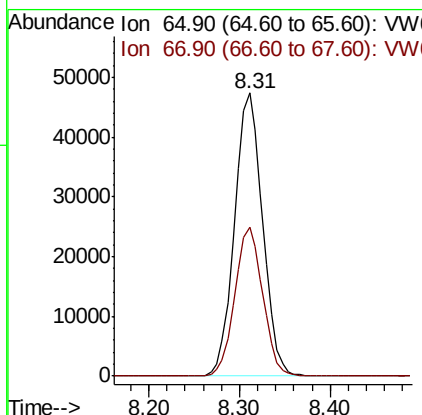
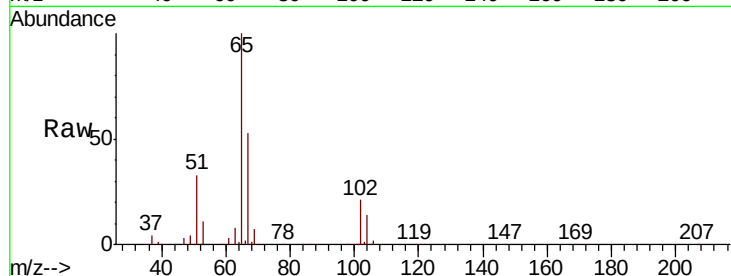




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.082 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW006505.D  
 Acq: 30 Oct 2018 16:43

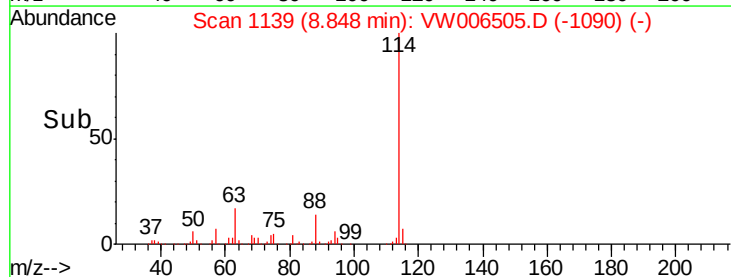
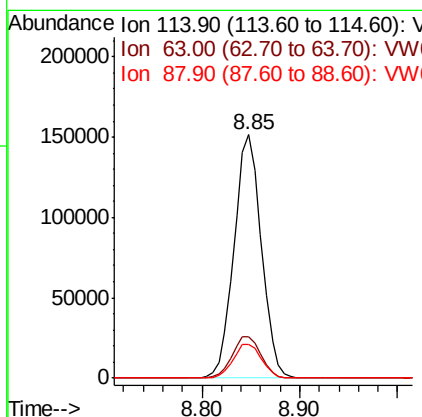
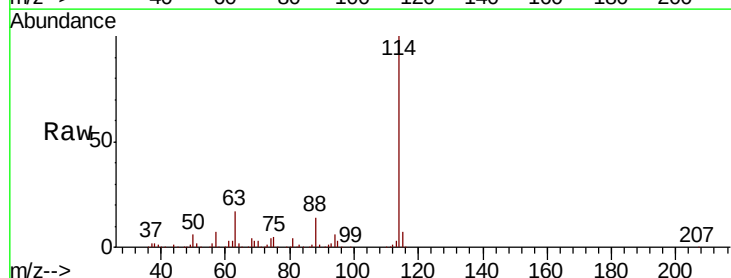
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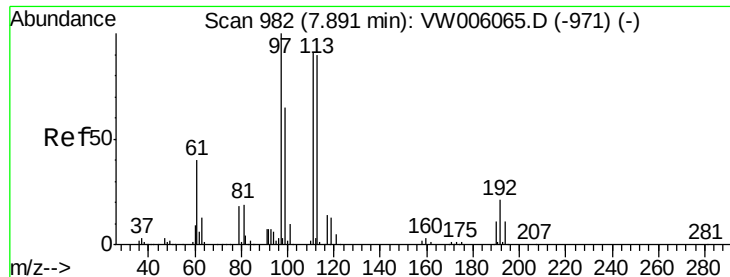
Tot Ion: 65 Resp: 102212  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006505.D  
 Acq: 30 Oct 2018 16:43

Tgt Ion: 114 Resp: 292765  
 Ion Ratio Lower Upper  
 114 100  
 63 17.2 0.0 36.8  
 88 13.9 0.0 29.0

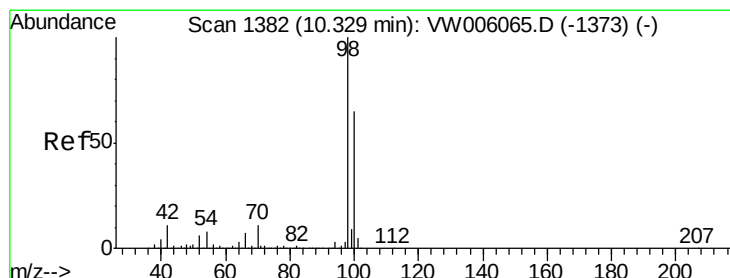
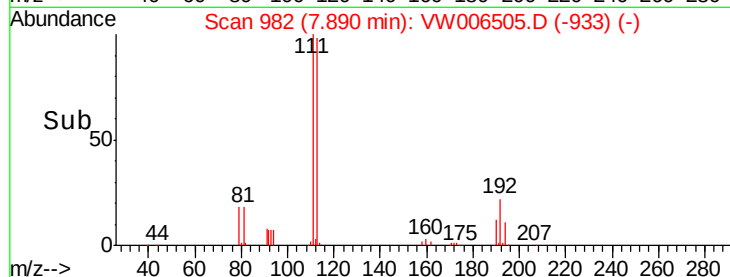
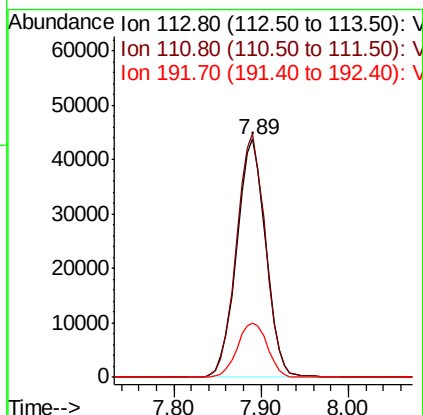
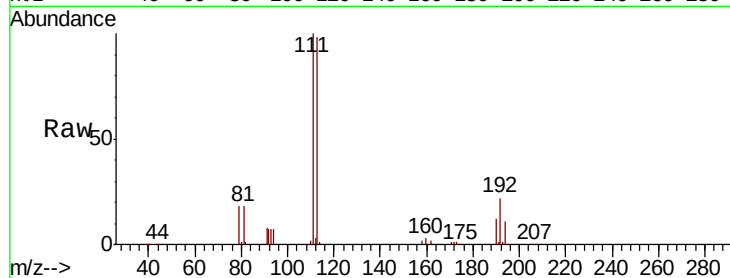




#35  
 Dibromofluoromethane  
 Concen: 58.473 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006505.D  
 Acq: 30 Oct 2018 16:43

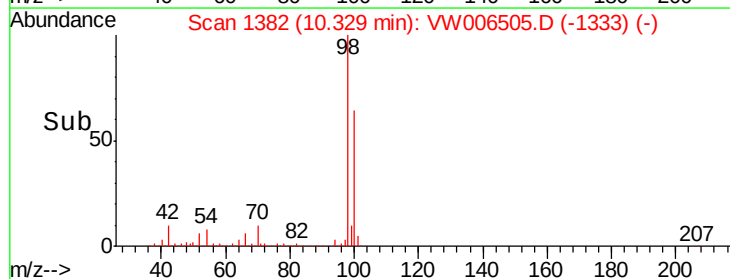
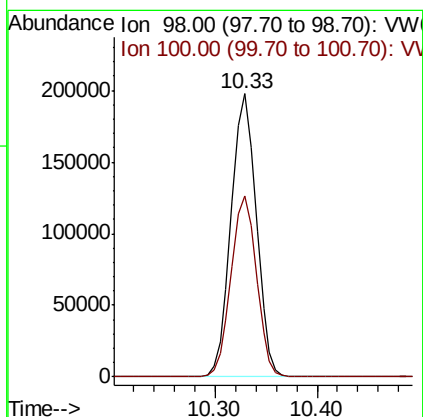
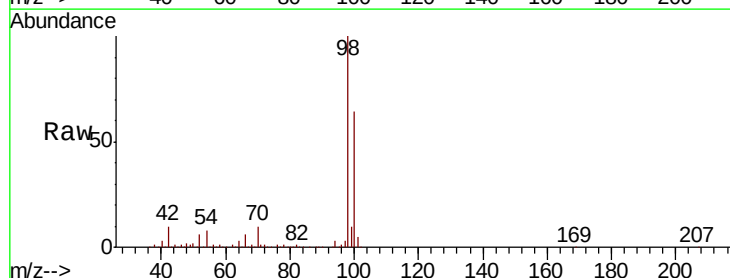
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 ClientSampleId :  
 PA-SB-01ARE

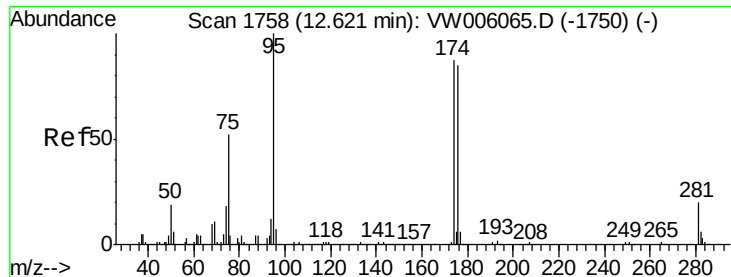
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.4  | 122.0 |
| 192     | 23.7  | 18.7  | 28.1  |



#50  
 Toluene-d8  
 Concen: 51.444 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: VW006505.D  
 Acq: 30 Oct 2018 16:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 51.6  | 77.4  |

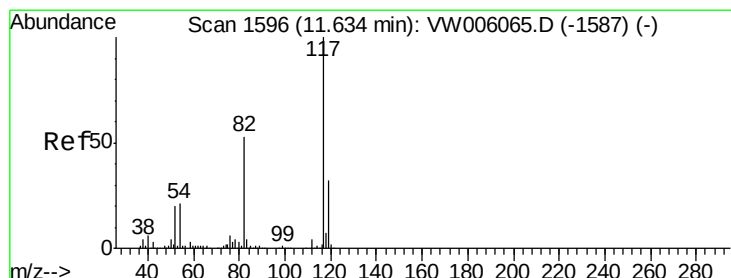
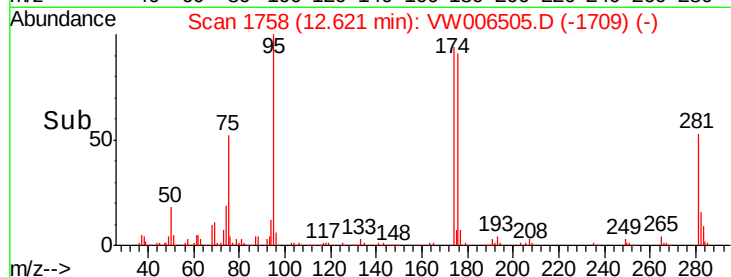
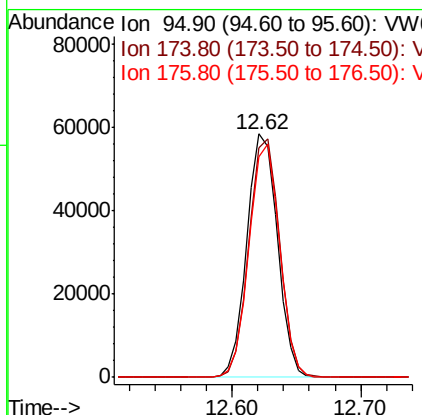
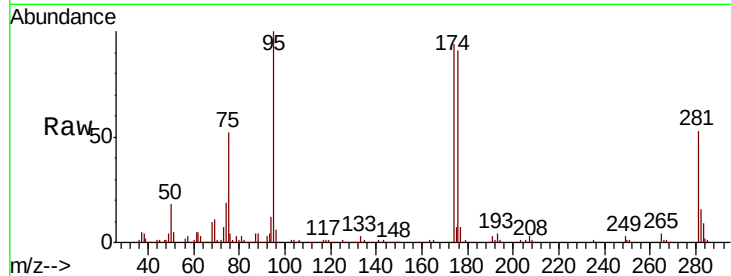




#62  
4-Bromofluorobenzene  
Concen: 38.671 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006505.D  
Acq: 30 Oct 2018 16:43

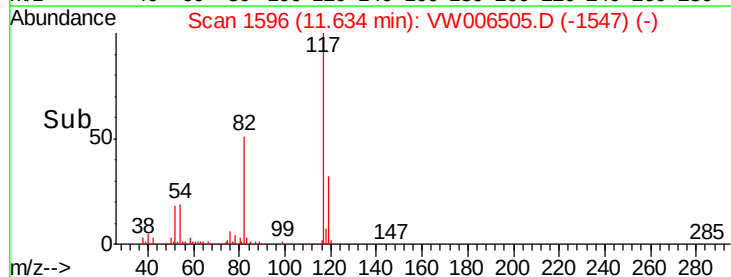
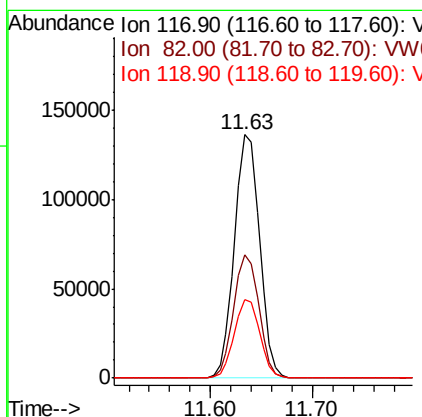
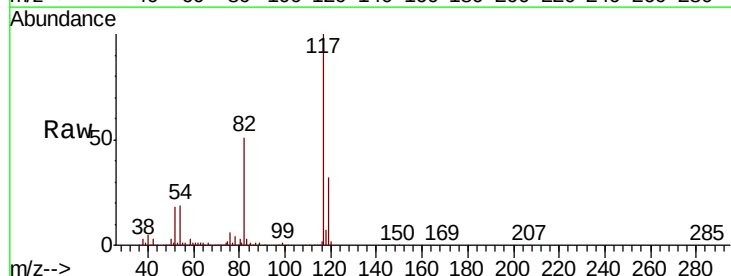
Instrument :  
MSVOA\_W  
ClientSampleId :  
PA-SB-01ARE

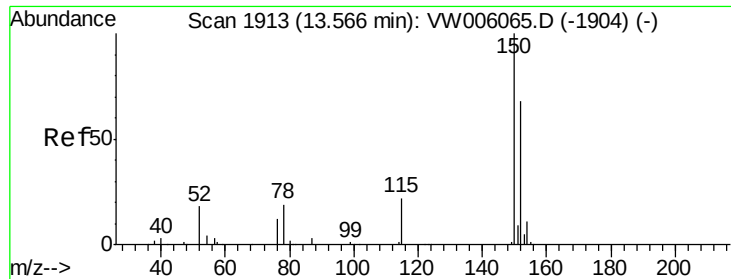
Tot Ion: 95 Resp: 95593  
Ion Ratio Lower Upper  
95 100  
174 98.3 0.0 186.0  
176 95.5 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006505.D  
Acq: 30 Oct 2018 16:43

Tgt Ion: 117 Resp: 232349  
Ion Ratio Lower Upper  
117 100  
82 50.7 42.1 63.1  
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA\_W

ClientSampleId :

PA-SB-01ARE

Tot Ion:152 Resp: 82641

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

150 156.9 0.0 349.2

