

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW122018\  
 Data File : VW007680.D  
 Acq On : 19 Dec 2018 02:49  
 Operator : SY/AP  
 Sample : J6386-02  
 Misc : 4.91G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS015-0612-02

Quant Time: Dec 19 06:17:22 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

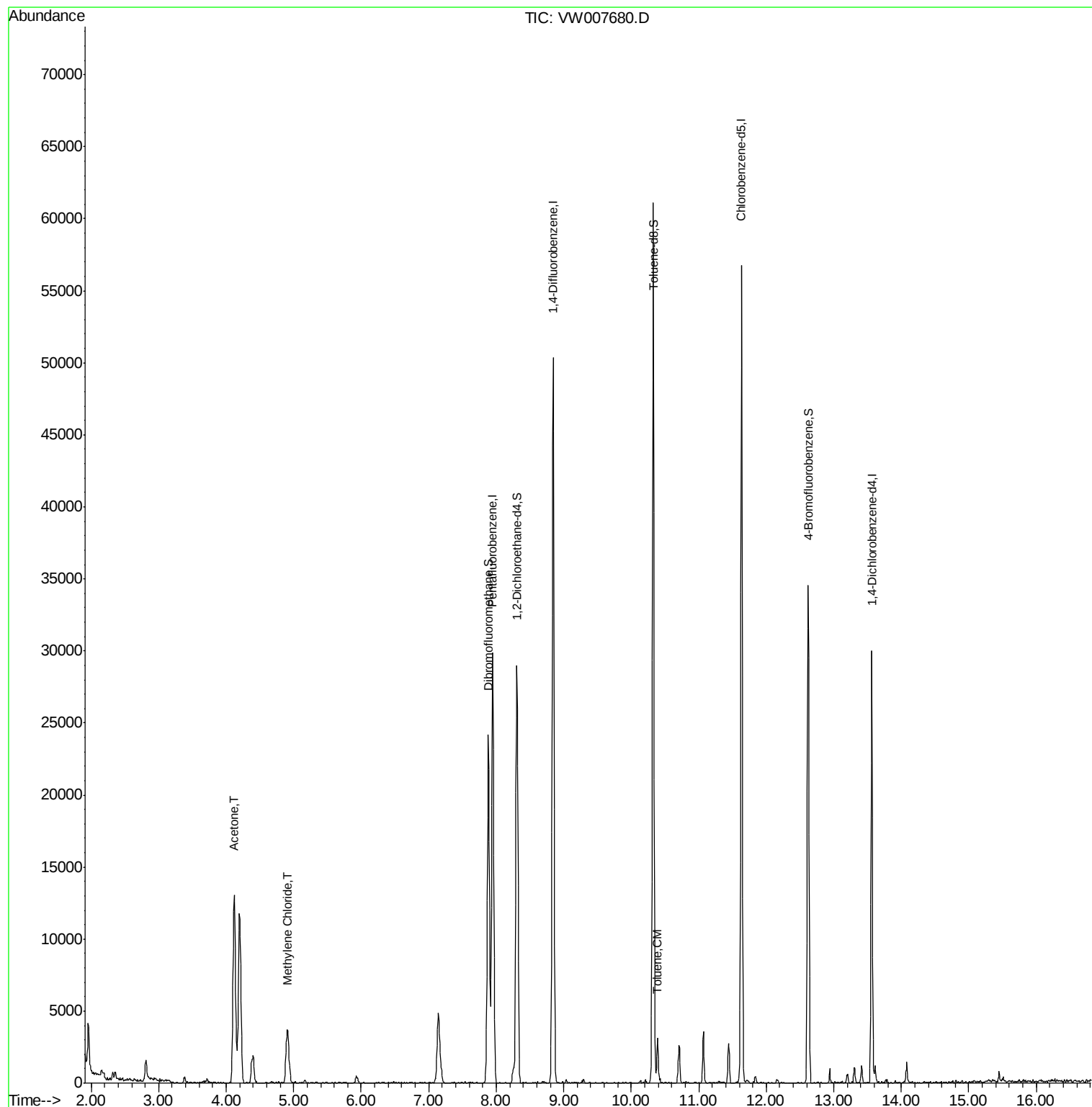
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 22164    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 42464    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 31076    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 7933     | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 24257    | 98.65   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 197.30% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 17238    | 67.06   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 134.12% |          |
| 50) Toluene-d8              | 10.32 | 98   | 40615    | 42.14   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 84.28%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 10928    | 30.84   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 61.68%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.12  | 43   | 22456    | 522.840 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.91  | 84   | 3123     | 10.176  | ug/l #  | 85       |
| 52) Toluene                 | 10.39 | 92   | 1371     | 1.971   | ug/l    | 99       |

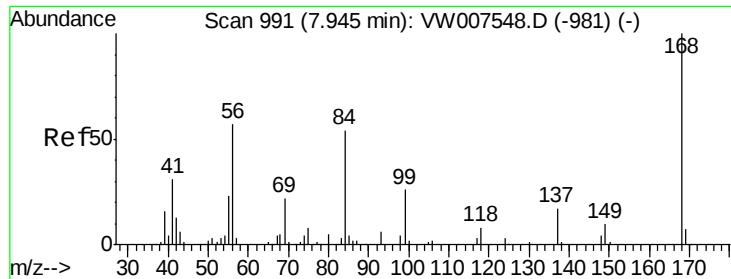
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW122018\  
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Quant Title : SW846 8260  
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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: VW007680.D

Acq: 19 Dec 2018 02:49

Instrument :

MSVOA\_W

ClientSampleId :

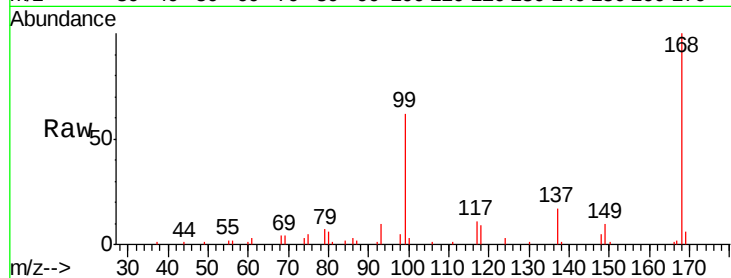
P001-SS015-0612-02

Tgt Ion:168 Resp: 22164

Ion Ratio Lower Upper

168 100

99 61.5 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

10000

8000

6000

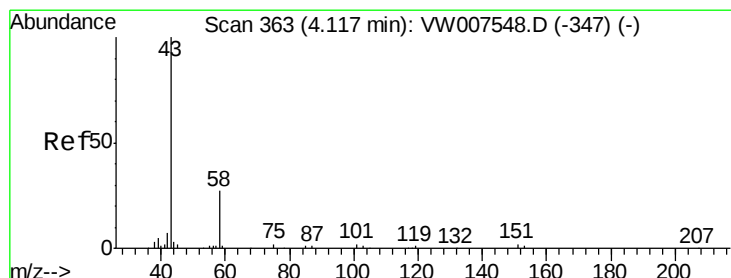
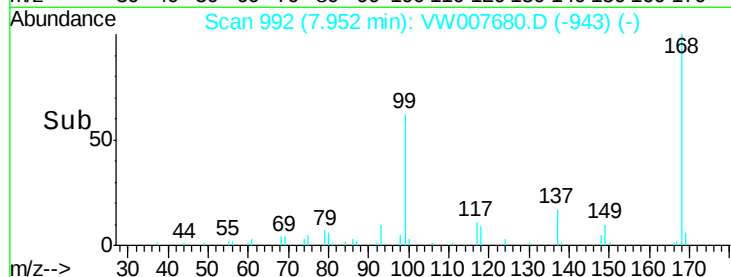
4000

2000

0

Time-->

7.85 7.90 7.95 8.00



#16

Acetone

Concen: 522.840 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007680.D

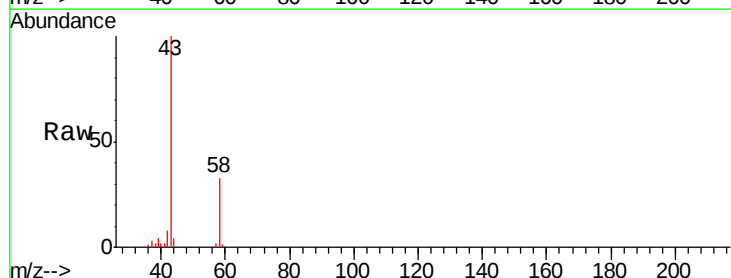
Acq: 19 Dec 2018 02:49

Tgt Ion: 43 Resp: 22456

Ion Ratio Lower Upper

43 100

58 32.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

6000

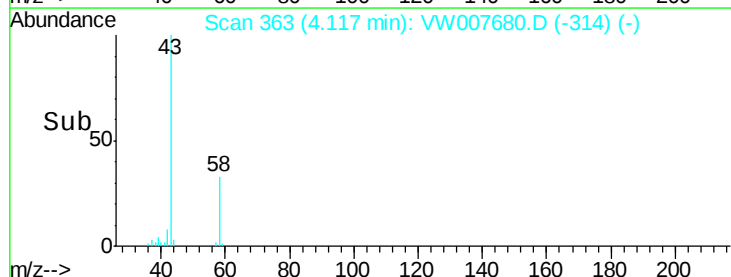
4000

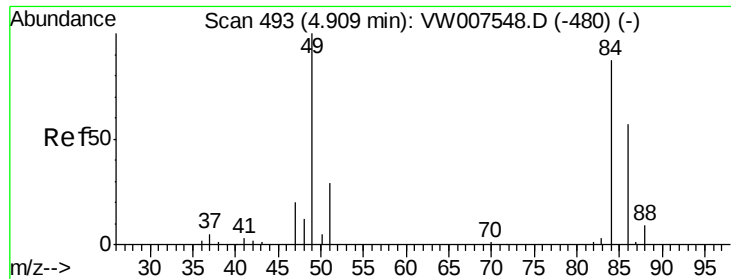
2000

0

Time-->

4.00 4.10 4.20

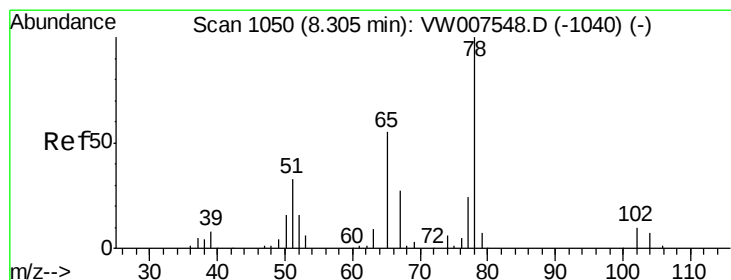
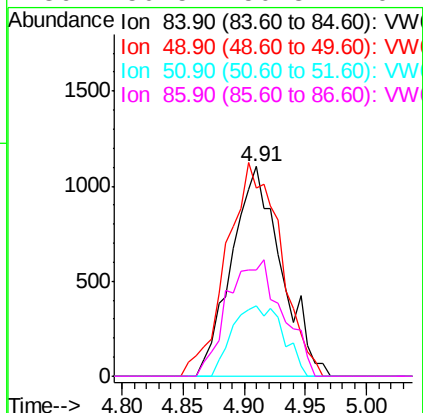
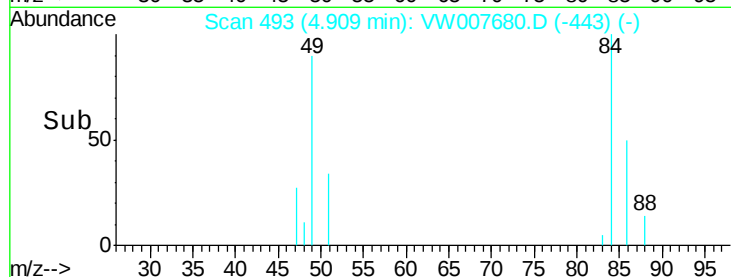
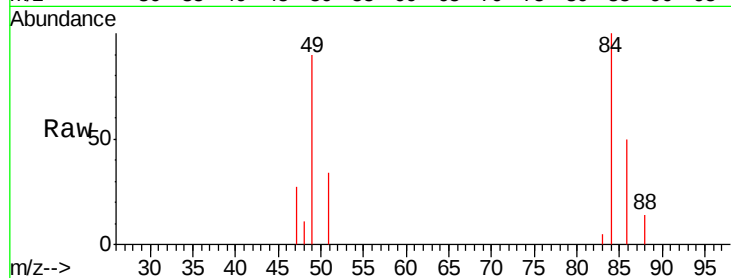




#20  
Methylene Chloride  
Concen: 10.176 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.01 min  
Lab File: VW007680.D  
Acq: 19 Dec 2018 02:49

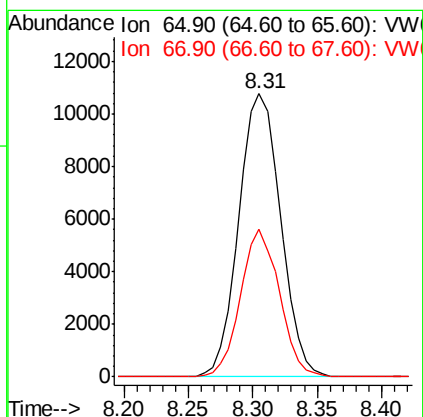
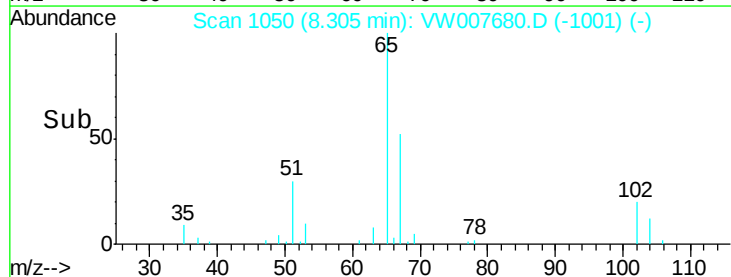
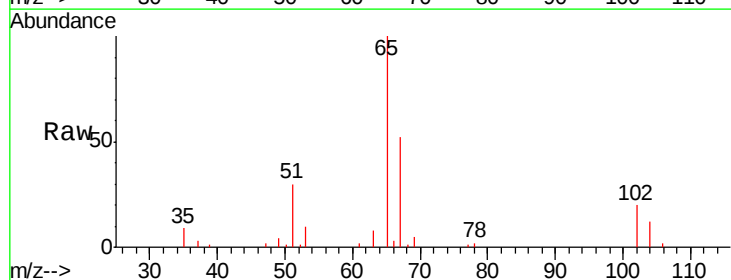
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P001-SS015-0612-02

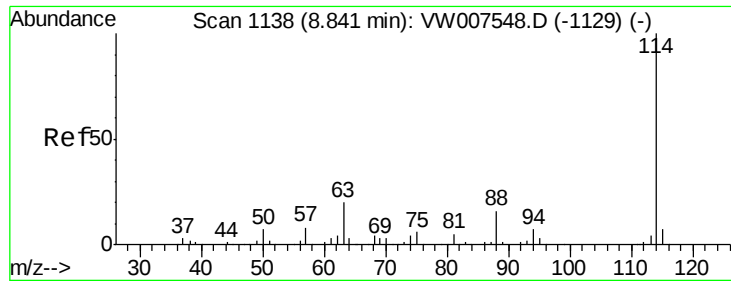
Tgt Ion: 84 Resp: 3123  
Ion Ratio Lower Upper  
84 100  
49 90.1 87.1 130.7  
51 33.8 28.2 42.2  
86 50.5 50.8 76.2#



#33  
1,2-Dichloroethane-d4  
Concen: 98.649 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW007680.D  
Acq: 19 Dec 2018 02:49

Tgt Ion: 65 Resp: 24257  
Ion Ratio Lower Upper  
65 100  
67 48.5 0.0 101.6

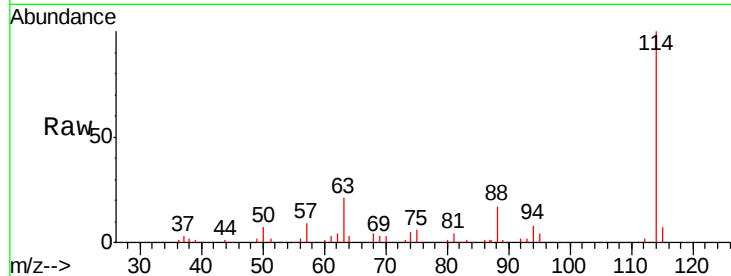




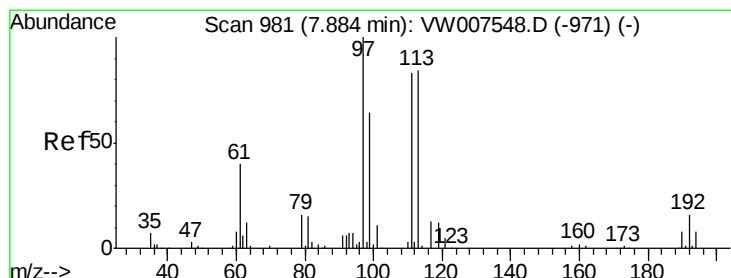
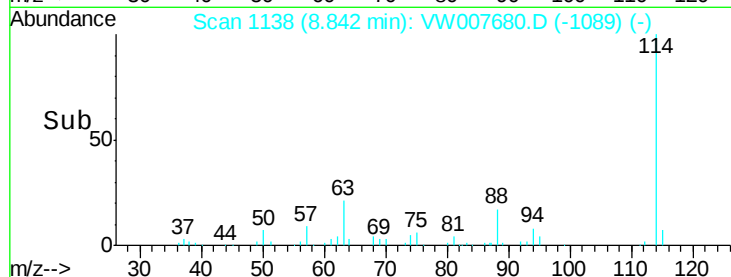
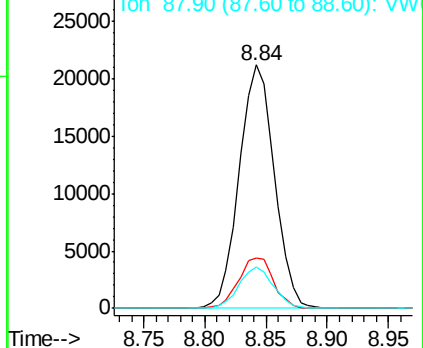
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW007680.D  
 Acq: 19 Dec 2018 02:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS015-0612-02

Tgt Ion:114 Resp: 42464  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 39.6  
 88 17.1 0.0 31.4

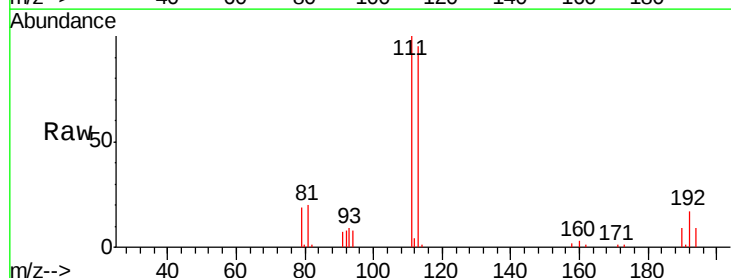


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

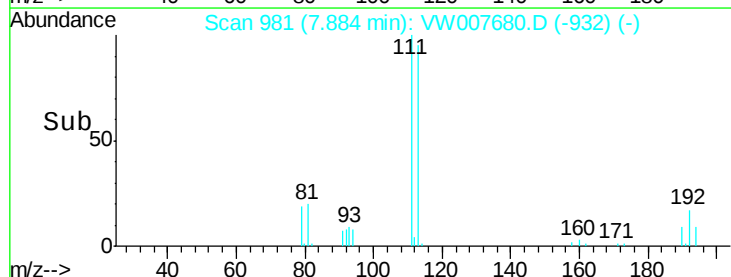
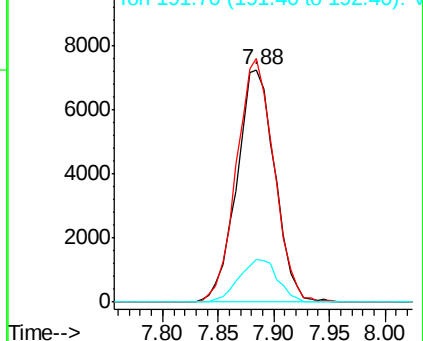


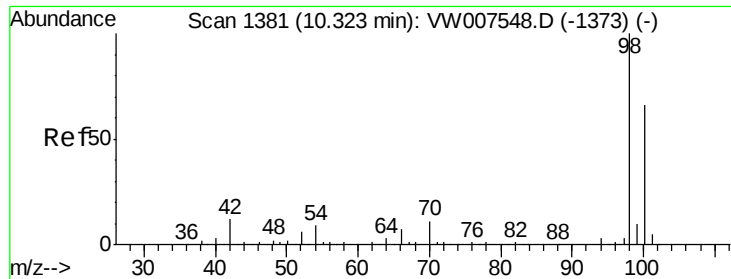
#35  
 Dibromofluoromethane  
 Concen: 67.060 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW007680.D  
 Acq: 19 Dec 2018 02:49

Tgt Ion:113 Resp: 17238  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 81.1 121.7  
 192 18.6 14.6 21.8



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

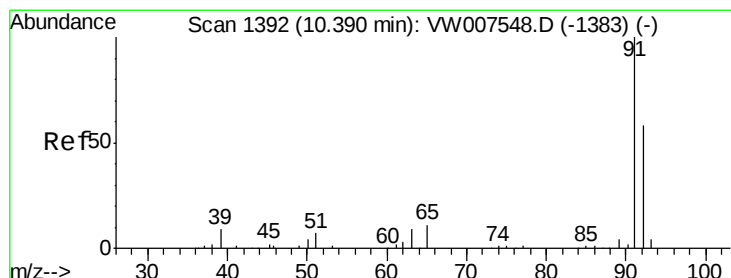
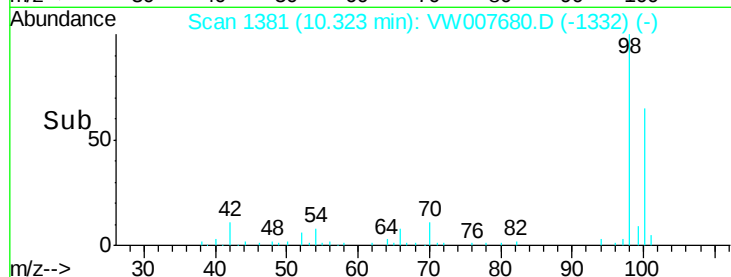
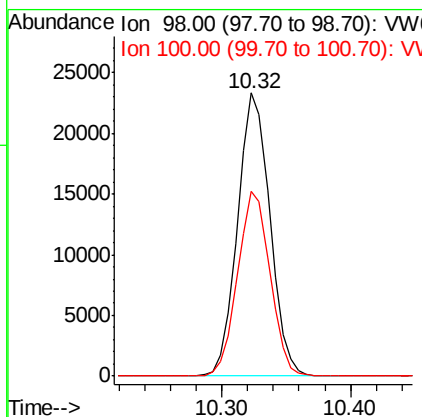
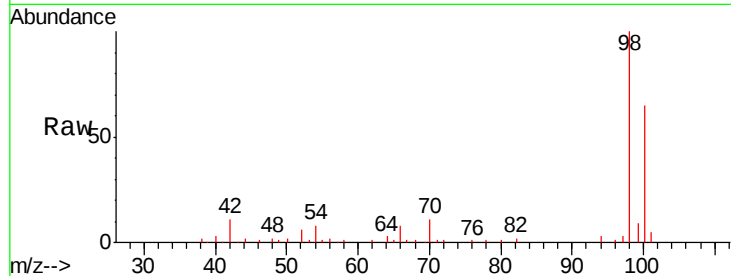




#50  
Toluene-d8  
Concen: 42.140 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW007680.D  
Acq: 19 Dec 2018 02:49

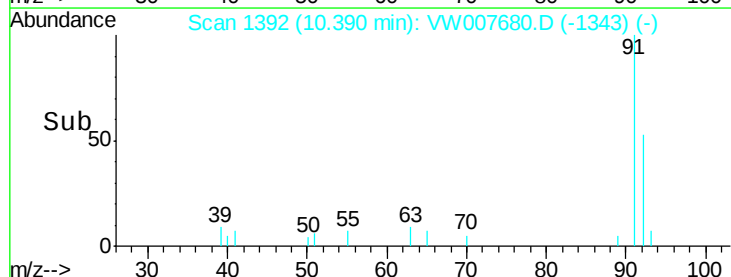
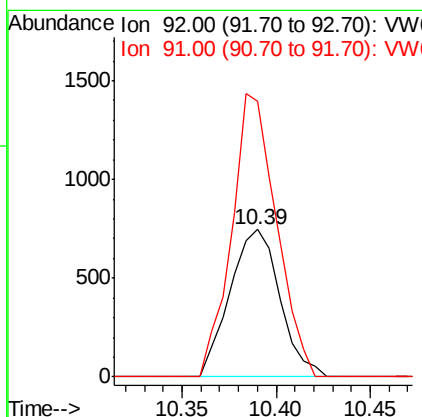
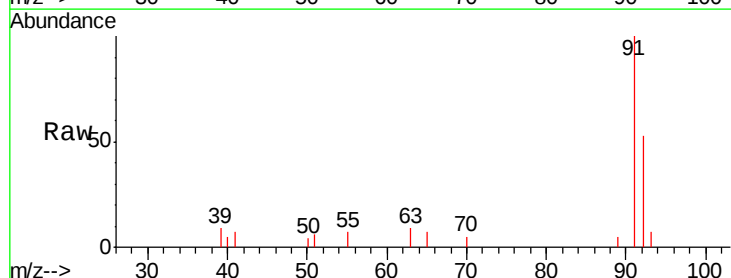
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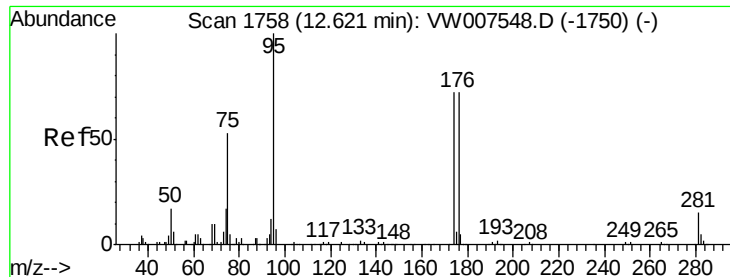
Tgt Ion: 98 Resp: 40615  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.8 77.8



#52  
Toluene  
Concen: 1.971 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VW007680.D  
Acq: 19 Dec 2018 02:49

Tgt Ion: 92 Resp: 1371  
Ion Ratio Lower Upper  
92 100  
91 172.1 136.2 204.2

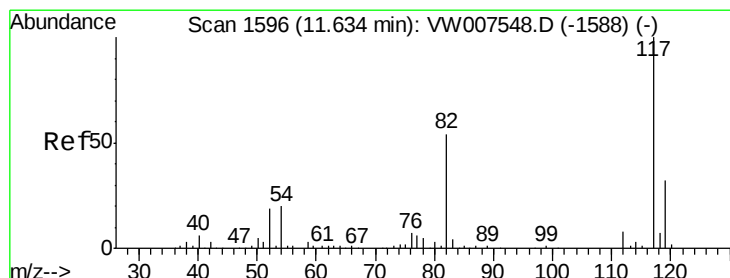
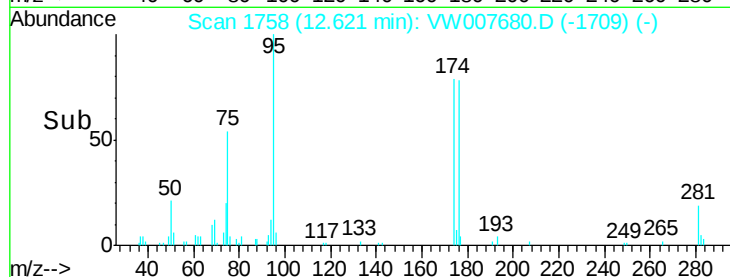
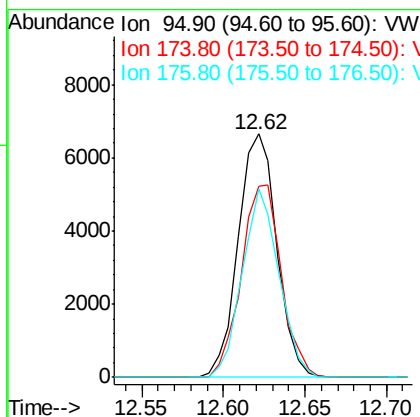
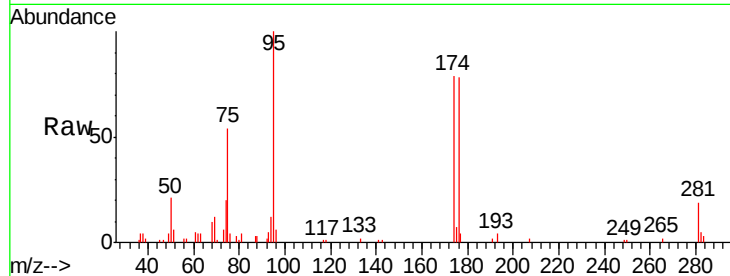




#62  
4-Bromofluorobenzene  
Concen: 30.838 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW007680.D  
Acq: 19 Dec 2018 02:49

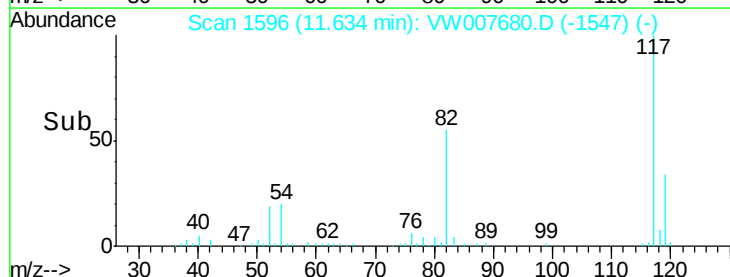
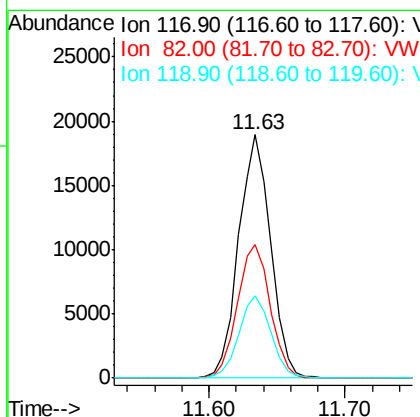
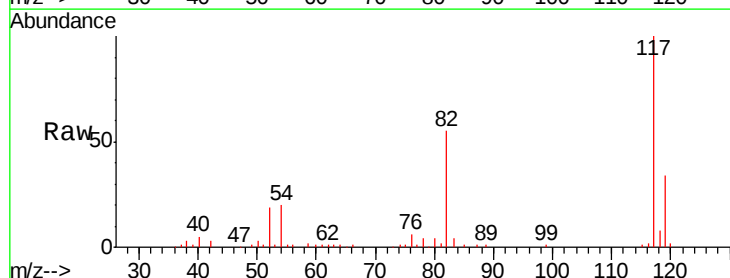
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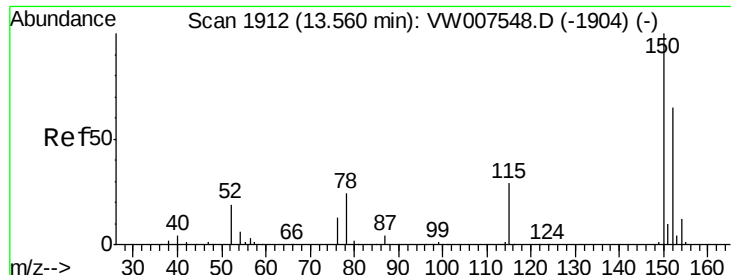
Tgt Ion: 95 Resp: 10928  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 147.2  
176 74.0 0.0 138.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007680.D  
Acq: 19 Dec 2018 02:49

Tgt Ion: 117 Resp: 31076  
Ion Ratio Lower Upper  
117 100  
82 54.7 42.3 63.5  
119 33.6 23.0 34.6

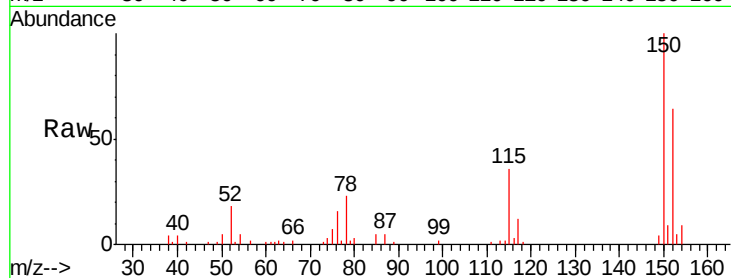




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. 0.00 min  
 Lab File: VW007680.D  
 Acq: 19 Dec 2018 02:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS015-0612-02

Tgt Ion:152 Resp: 7933  
 Ion Ratio Lower Upper  
 152 100  
 115 63.0 31.4 94.2  
 150 153.9 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

