

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW082319\  
 Data File : VW012138.D  
 Acq On : 23 Aug 2019 17:41  
 Operator : SY/VA  
 Sample : K4496-11  
 Misc : 6.33G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S601-M-1.0-1.5-082219

Quant Time: Sep 05 05:07:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

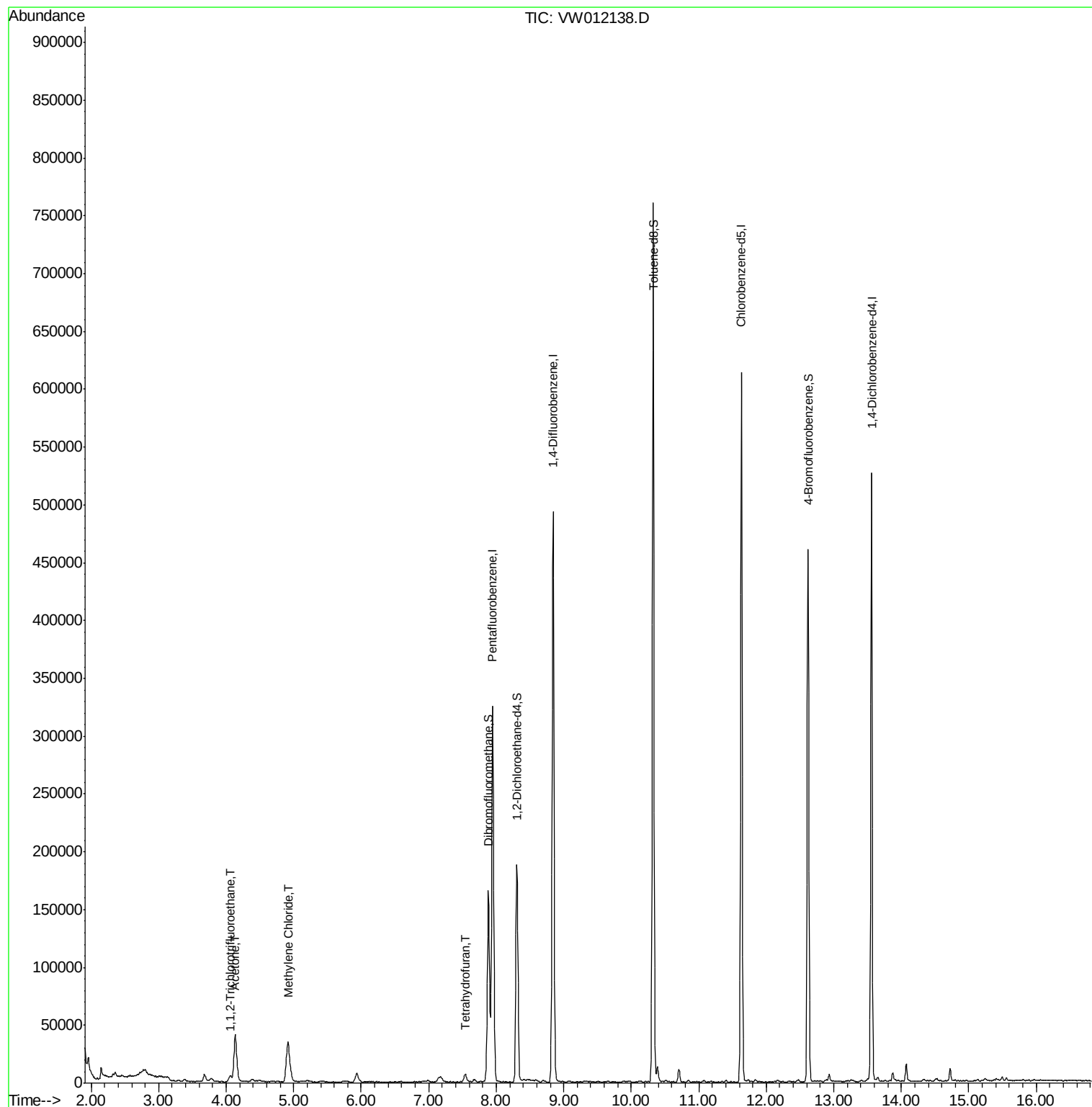
| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 7.95  | 168  | 230935   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.84  | 114  | 384151   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.63 | 117  | 319742   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.56 | 152  | 128419   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.31  | 65   | 148506   | 54.10   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 108.20% |          |
| 35) Dibromofluoromethane      | 7.88  | 113  | 115970   | 50.58   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 101.16% |          |
| 50) Toluene-d8                | 10.32 | 98   | 466811   | 50.21   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 100.42% |          |
| 62) 4-Bromofluorobenzene      | 12.62 | 95   | 149820   | 45.71   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 91.42%  |          |
| Target Compounds              |       |      |          |         |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06  | 101  | 4344     | 1.888   | ug/l    | 92       |
| 16) Acetone                   | 4.14  | 43   | 79744    | 113.637 | ug/l    | 100      |
| 20) Methylene Chloride        | 4.92  | 84   | 27112    | 10.220  | ug/l    | 94       |
| 29) Tetrahydrofuran           | 7.54  | 42   | 6061     | 10.594  | ug/l    | 96       |

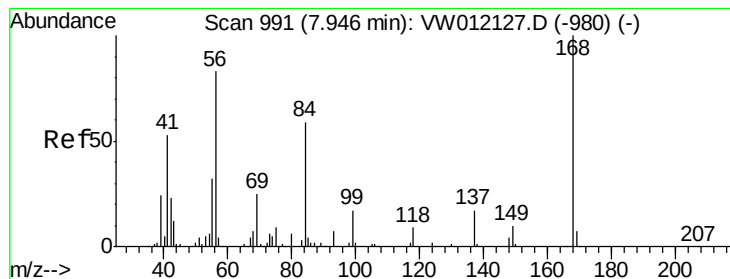
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW082319\  
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S601-M-1.0-1.5-082219

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Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 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: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA\_W

ClientSampleId :

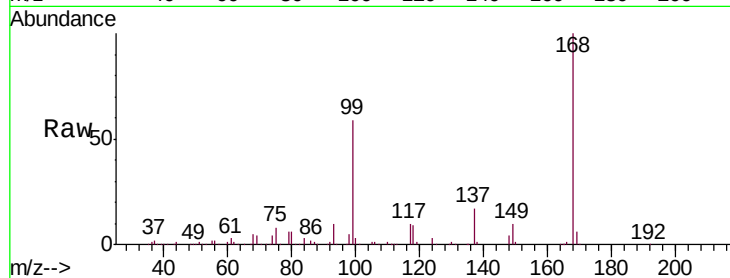
S601-M-1.0-1.5-082219

Tgt Ion:168 Resp: 230935

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

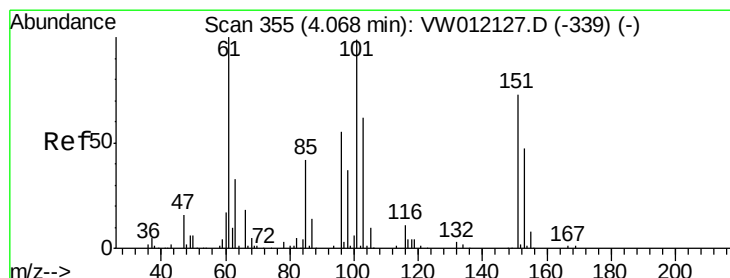
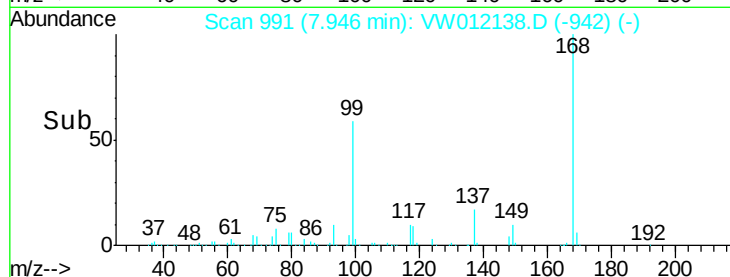
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.888 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

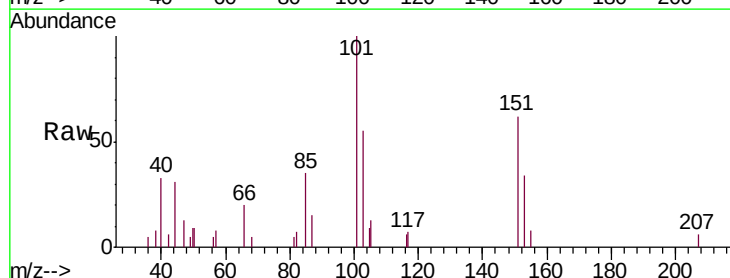
Tgt Ion:101 Resp: 4344

Ion Ratio Lower Upper

101 100

85 41.9 35.8 53.6

151 64.9 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V

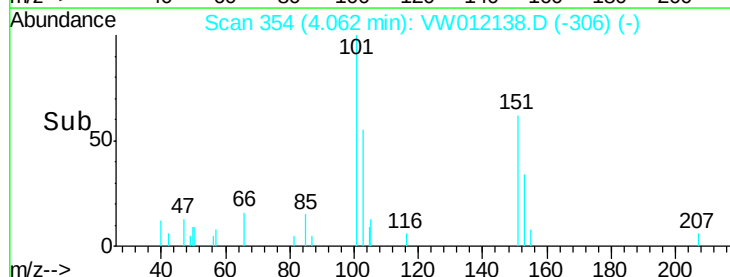
1500

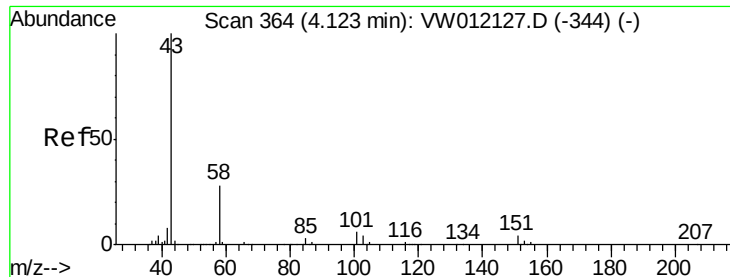
1000

500

0

Time-->

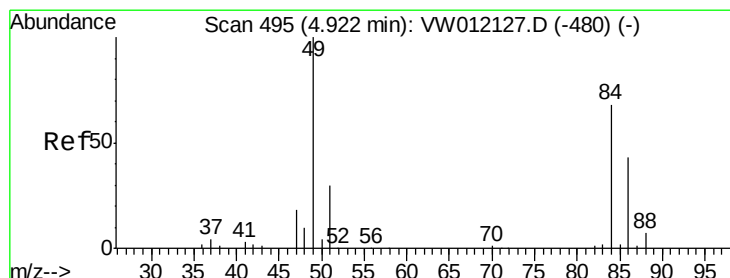
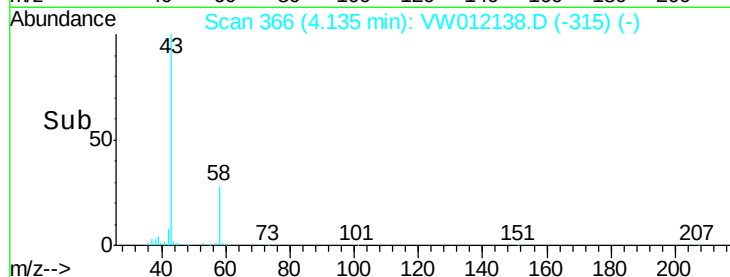
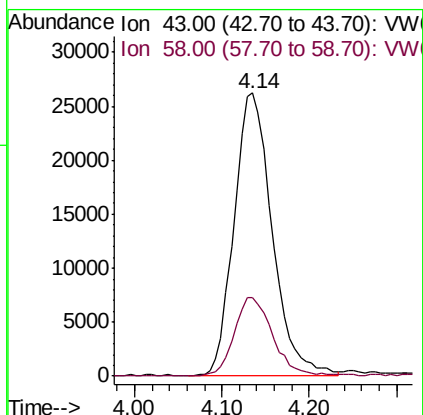
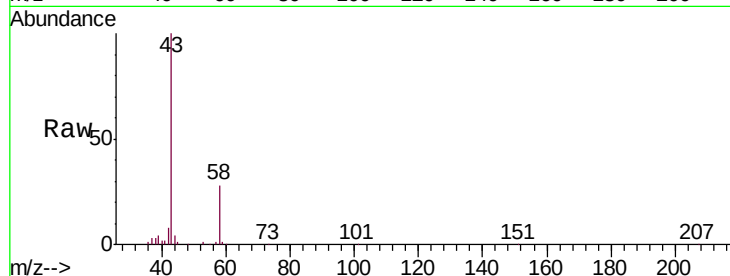




#16  
Acetone  
Concen: 113.637 ug/l  
RT: 4.14 min Scan# 366  
Delta R.T. 0.01 min  
Lab File: VW012138.D  
Acq: 23 Aug 2019 17:41

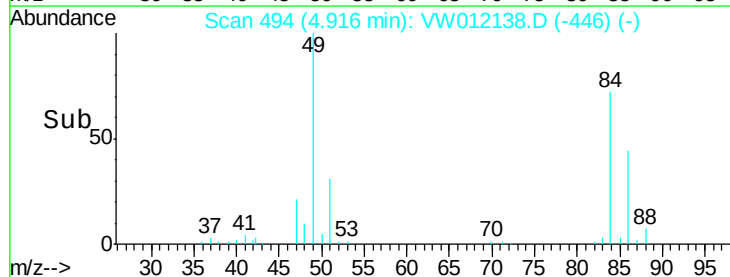
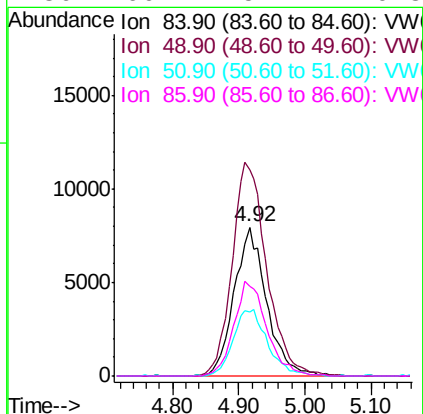
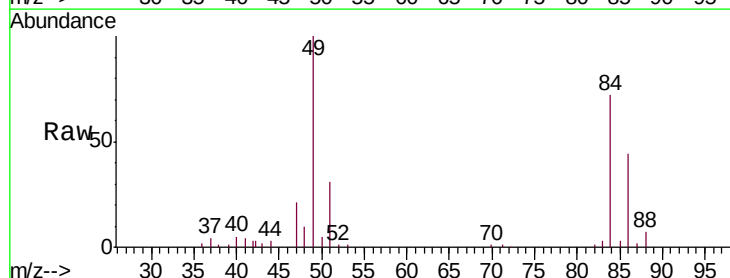
Instrument :  
MSVOA\_W  
ClientSampleId :  
S601-M-1.0-1.5-082219

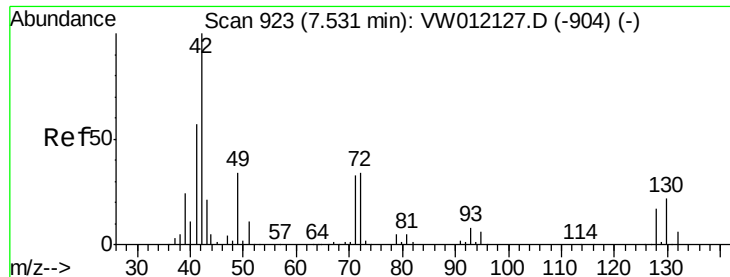
Tgt Ion: 43 Resp: 79744  
Ion Ratio Lower Upper  
43 100  
58 27.8 22.4 33.6



#20  
Methylene Chloride  
Concen: 10.220 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW012138.D  
Acq: 23 Aug 2019 17:41

Tgt Ion: 84 Resp: 27112  
Ion Ratio Lower Upper  
84 100  
49 137.9 117.8 176.8  
51 42.8 35.6 53.4  
86 60.1 51.2 76.8





#29

Tetrahydrofuran

Concen: 10.594 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA\_W

ClientSampleId :

S601-M-1.0-1.5-082219

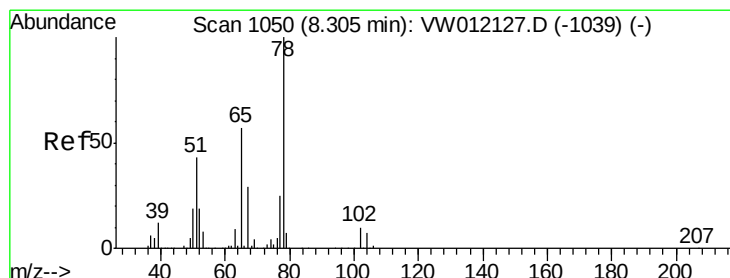
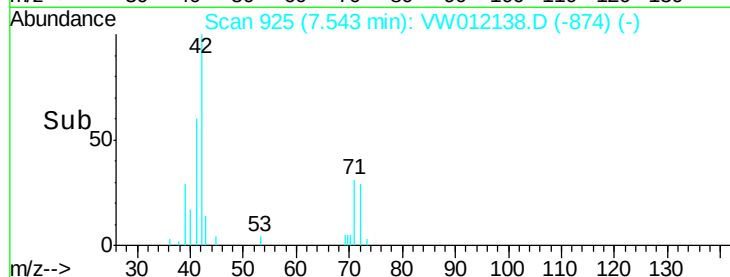
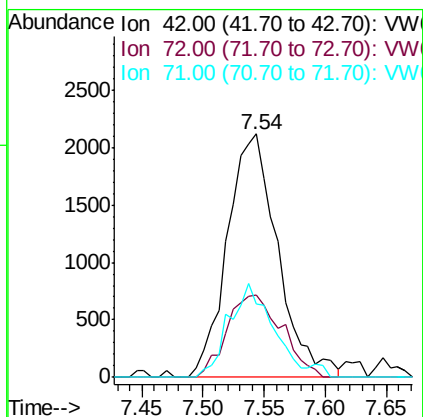
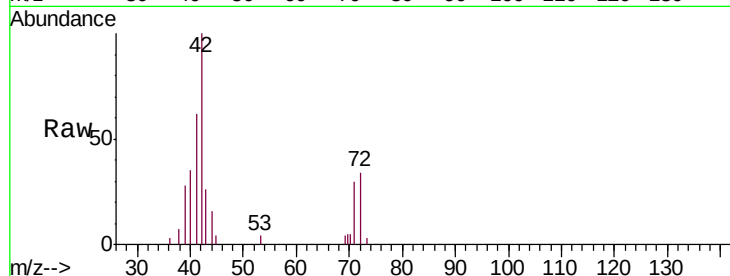
Tgt Ion: 42 Resp: 6061

Ion Ratio Lower Upper

42 100

72 36.7 27.3 40.9

71 33.6 25.5 38.3



#33

1,2-Dichloroethane-d4

Concen: 54.096 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012138.D

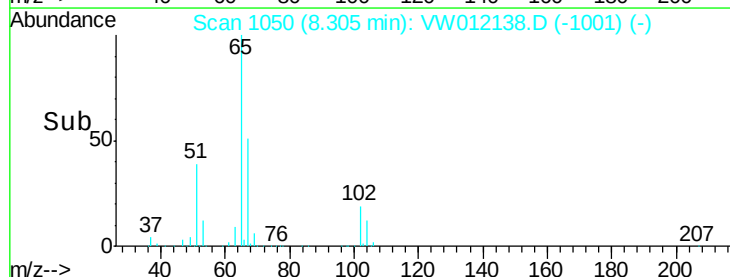
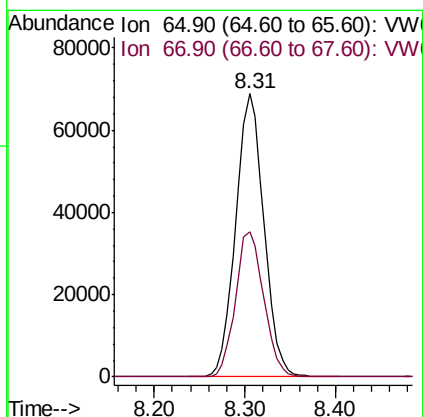
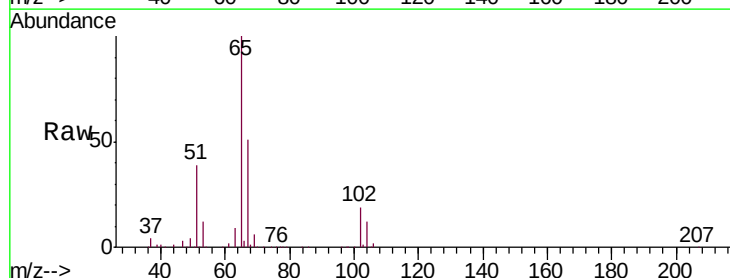
Acq: 23 Aug 2019 17:41

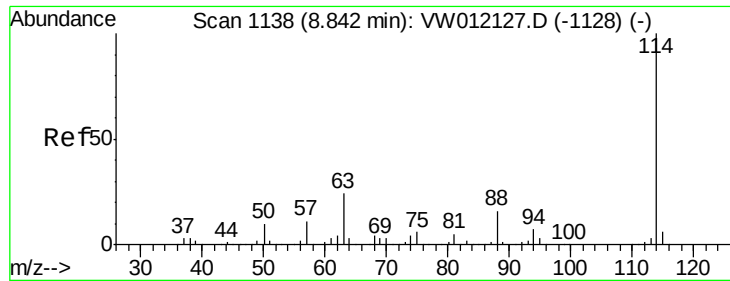
Tgt Ion: 65 Resp: 148506

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.6

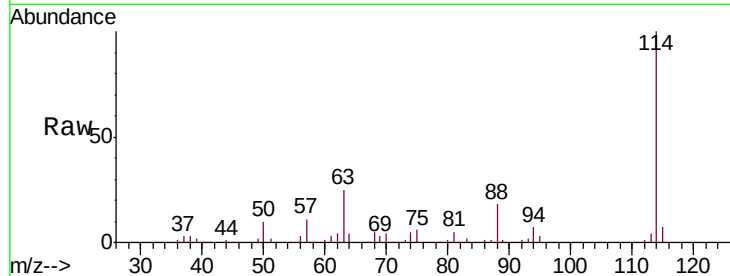




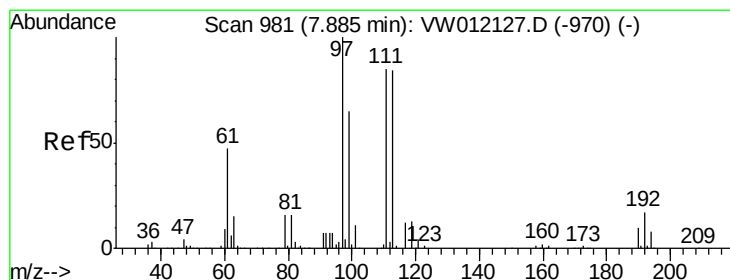
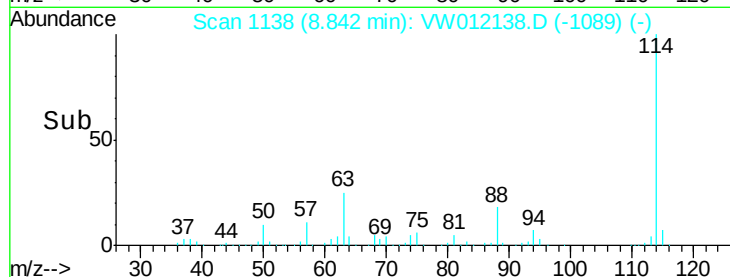
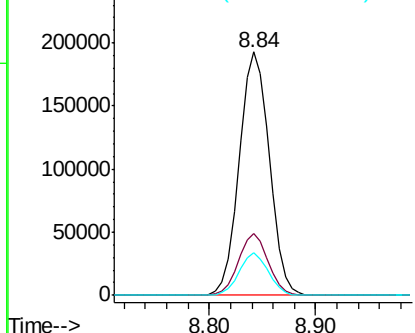
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012138.D  
 Acq: 23 Aug 2019 17:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S601-M-1.0-1.5-082219

Tgt Ion:114 Resp: 384151  
 Ion Ratio Lower Upper  
 114 100  
 63 25.3 0.0 48.6  
 88 17.6 0.0 32.2

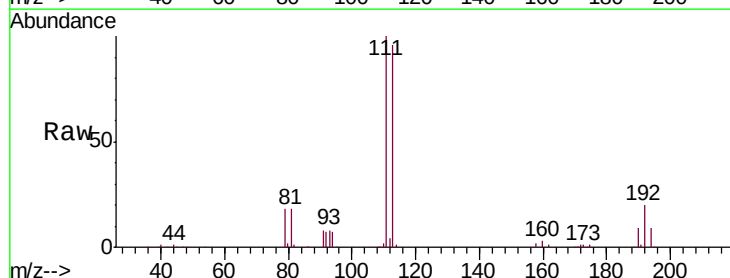


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

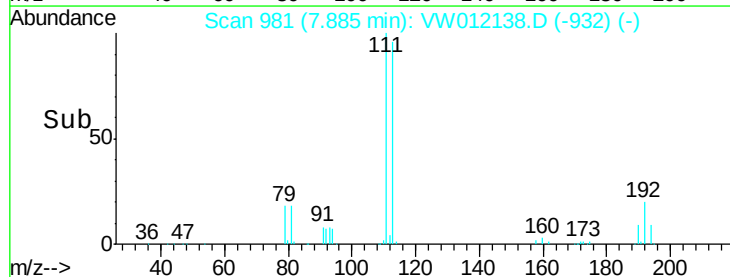
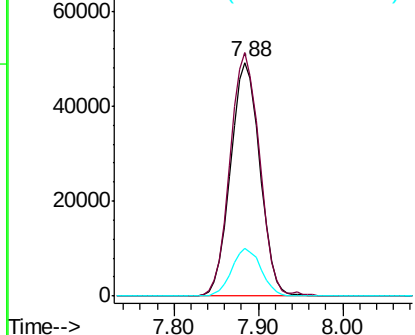


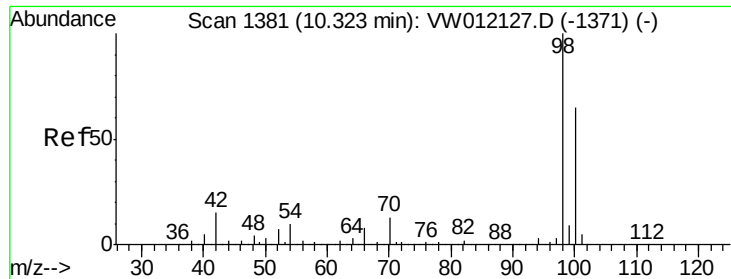
#35  
 Dibromofluoromethane  
 Concen: 50.575 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW012138.D  
 Acq: 23 Aug 2019 17:41

Tgt Ion:113 Resp: 115970  
 Ion Ratio Lower Upper  
 113 100  
 111 105.2 82.7 124.1  
 192 20.2 16.2 24.2



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: 50.208 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA\_W

ClientSampleId :

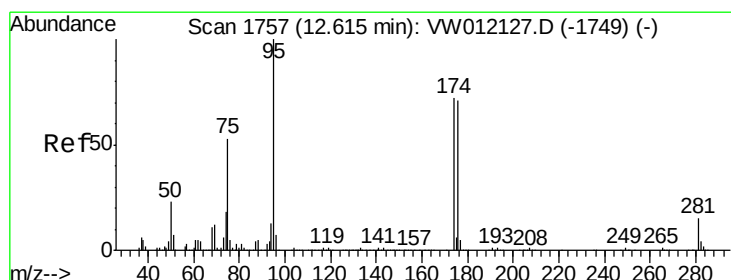
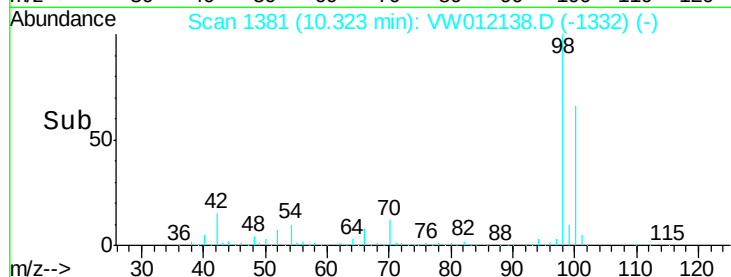
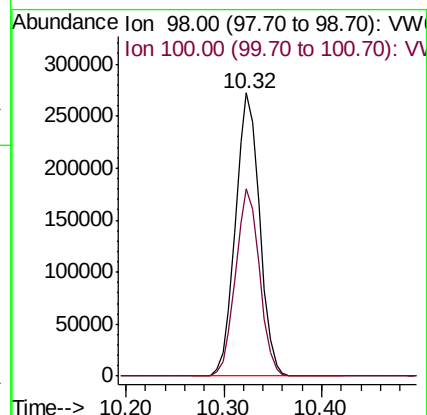
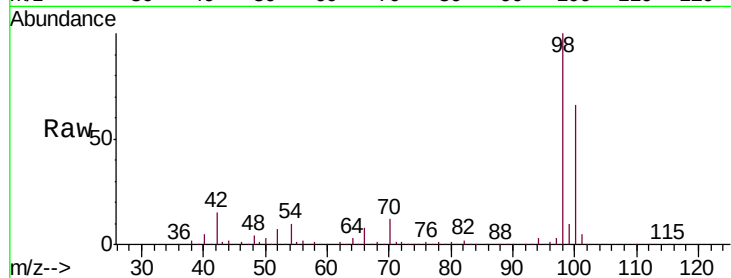
S601-M-1.0-1.5-082219

Tgt Ion: 98 Resp: 466811

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.714 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

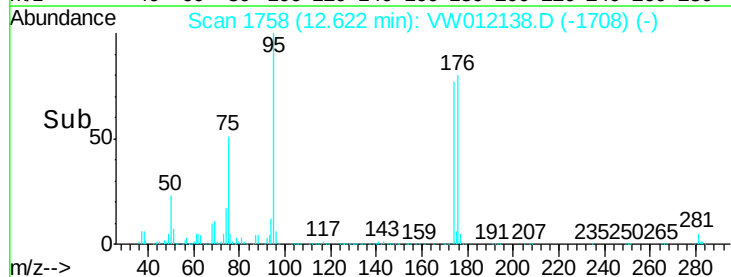
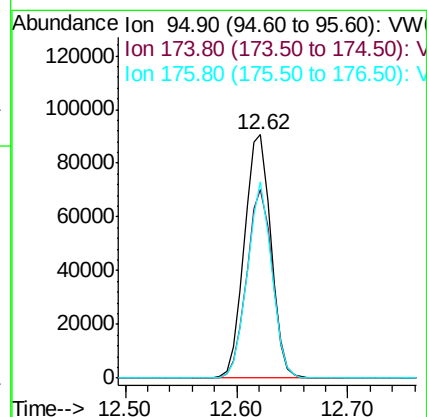
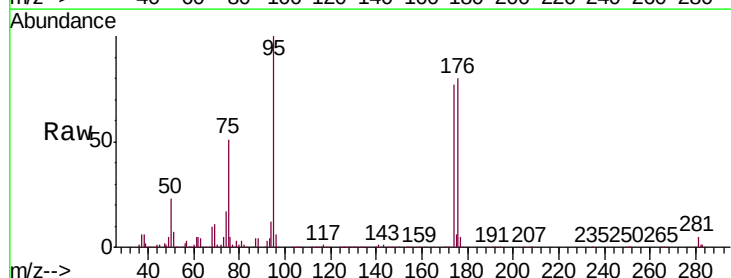
Tgt Ion: 95 Resp: 149820

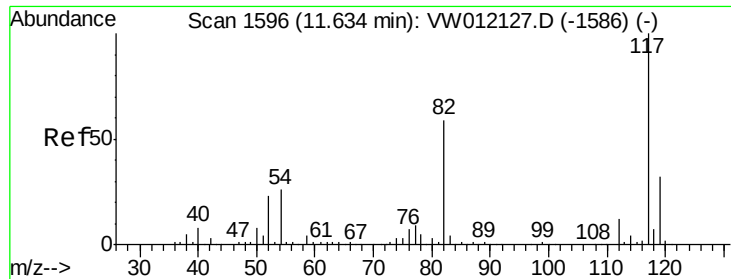
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.8

176 74.2 0.0 148.6

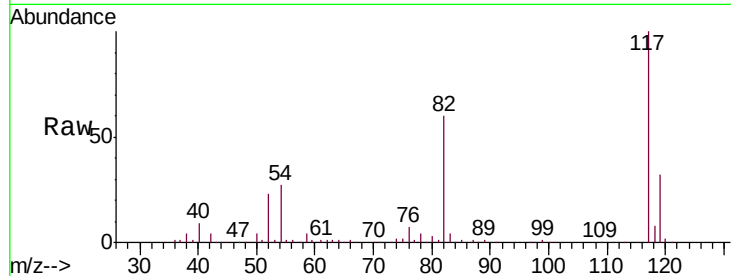




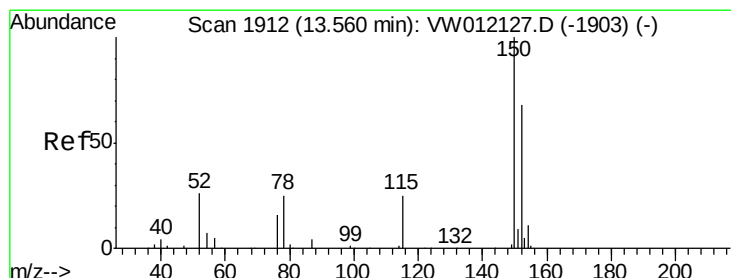
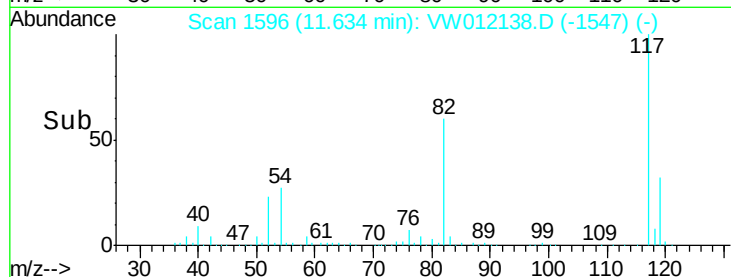
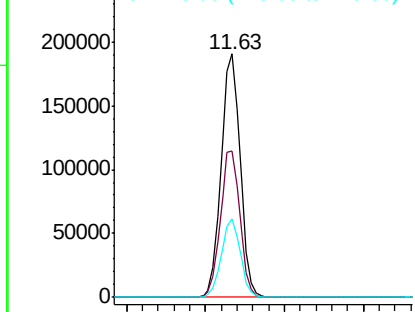
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW012138.D  
Acq: 23 Aug 2019 17:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
S601-M-1.0-1.5-082219

Tgt Ion:117 Resp: 319742  
Ion Ratio Lower Upper  
117 100  
82 60.0 47.4 71.2  
119 32.4 25.4 38.2

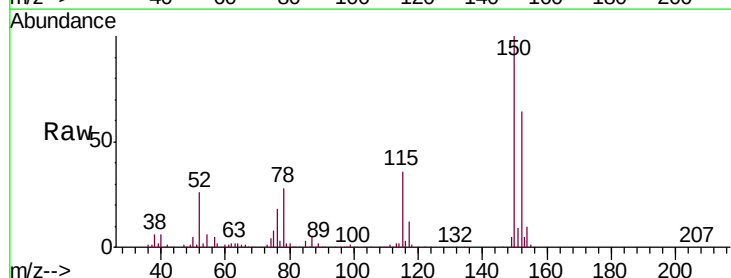


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW012138.D  
Acq: 23 Aug 2019 17:41

Tgt Ion:152 Resp: 128419  
Ion Ratio Lower Upper  
152 100  
115 59.3 30.1 90.3  
150 156.7 0.0 345.8



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

