

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
 Data File : VW011336.D  
 Acq On : 18 Jul 2019 16:16  
 Operator : SY/VA  
 Sample : K3783-03  
 Misc : 5.07G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 19 06:45:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

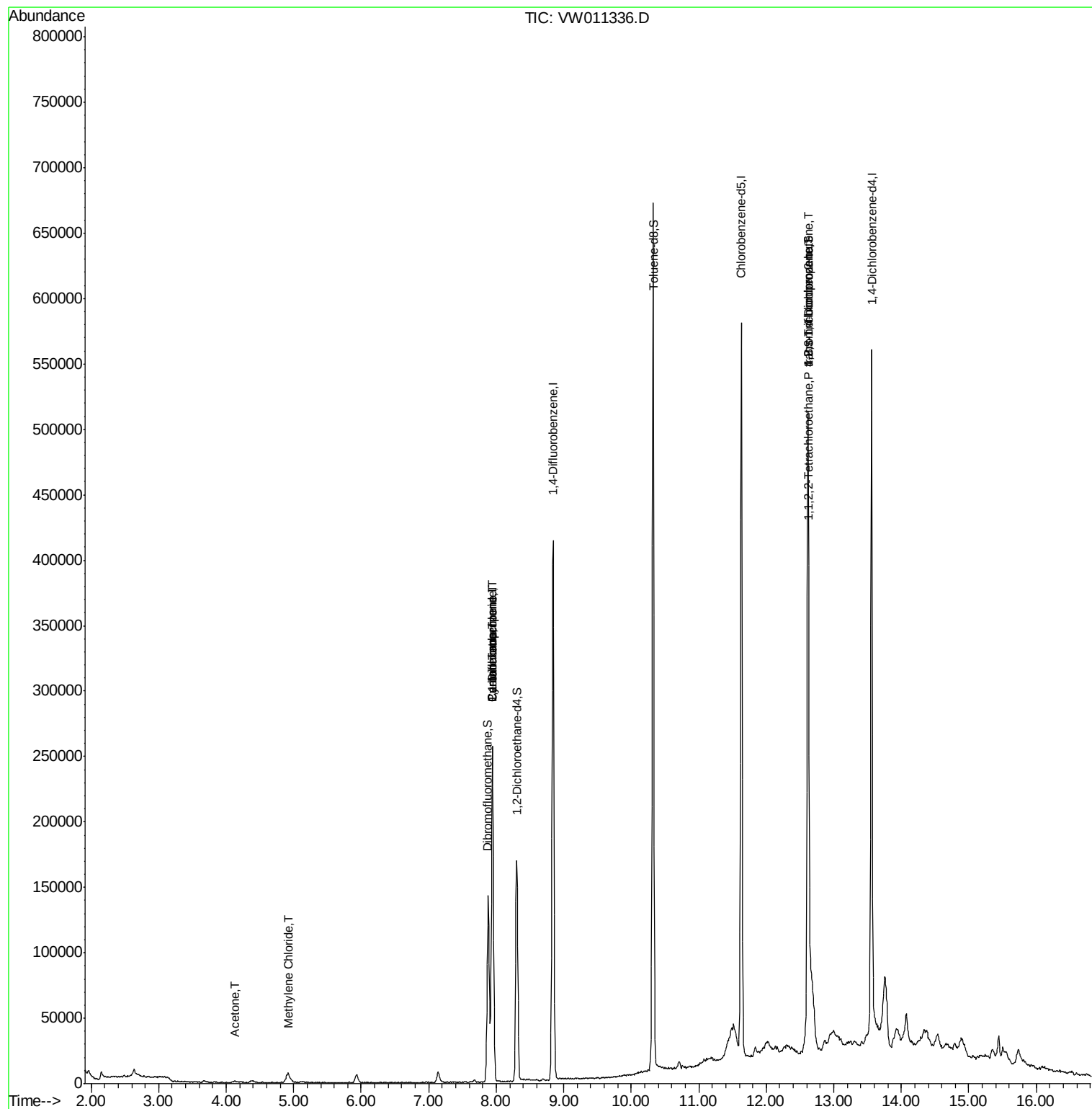
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 185573   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84  | 114  | 322735   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 285541   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56 | 152  | 123813   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.30  | 65   | 134960   | 57.88     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 115.76% |          |
| 35) Dibromofluoromethane       | 7.88  | 113  | 100463   | 52.23     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.46% |          |
| 50) Toluene-d8                 | 10.32 | 98   | 407511   | 52.41     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.82% |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 160006   | 56.14     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 112.28% |          |
| Target Compounds               |       |      |          |           |         |          |
| 16) Acetone                    | 4.13  | 43   | 2115     | 3.770     | ug/l    | 99       |
| 18) Methyl Acetate             | 4.66  | 43   | 212      | Below Cal | #       | 57       |
| 20) Methylene Chloride         | 4.91  | 84   | 2905     | 1.313     | ug/l    | 92       |
| 31) Cyclohexane                | 7.95  | 56   | 4961     | 1.098     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 16428    | 4.780     | ug/l #  | 51       |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 18648    | 6.401     | ug/l #  | 15       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.63 | 83   | 23631    | 12.455    | ug/l #  | 27       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 75623    | 52.853    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 75623    | 119.543   | ug/l #  | 6        |

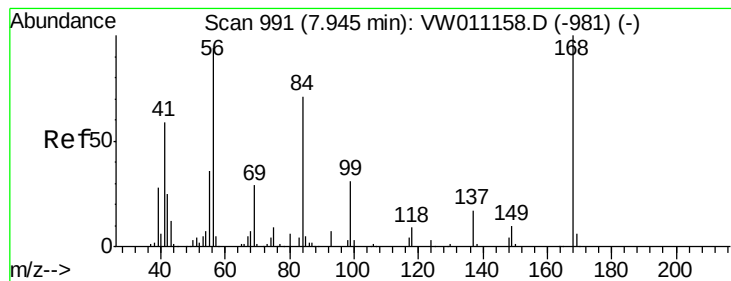
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
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MSVOA\_W  
ClientSampleId :

Quant Time: Jul 19 06:45:04 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 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: VW011336.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA\_W

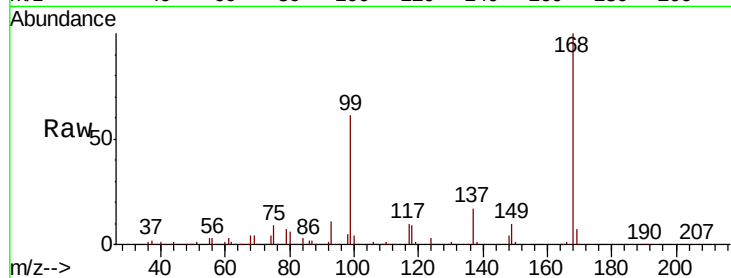
ClientSampled :

Tot Ion:168 Resp: 185573

Ion Ratio Lower Upper

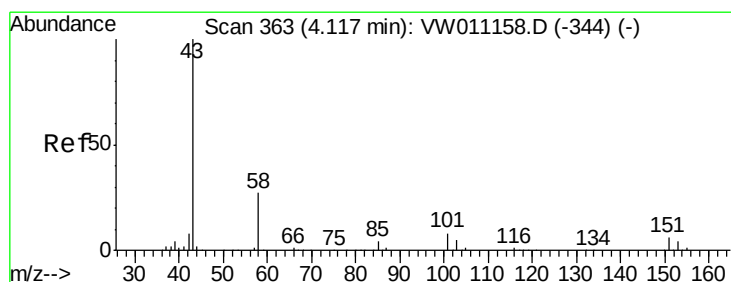
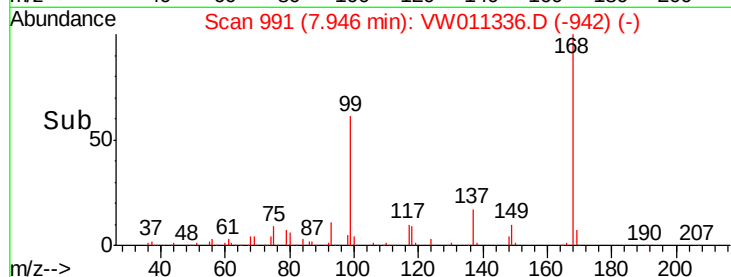
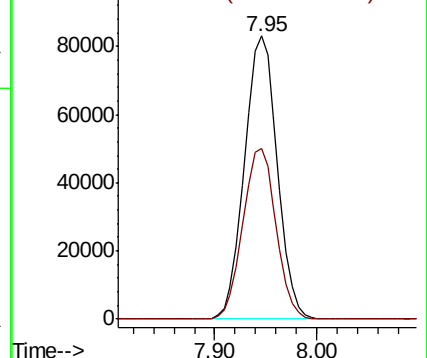
168 100

99 60.5 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 3.770 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011336.D

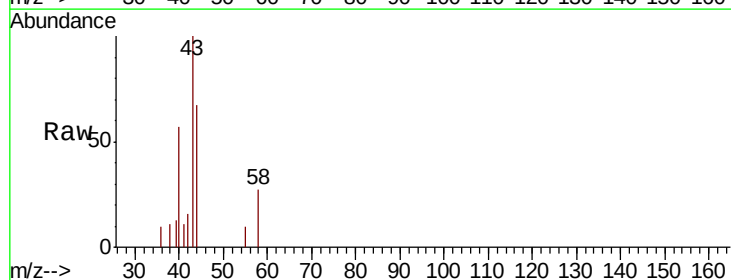
Acq: 18 Jul 2019 16:16

Tgt Ion: 43 Resp: 2115

Ion Ratio Lower Upper

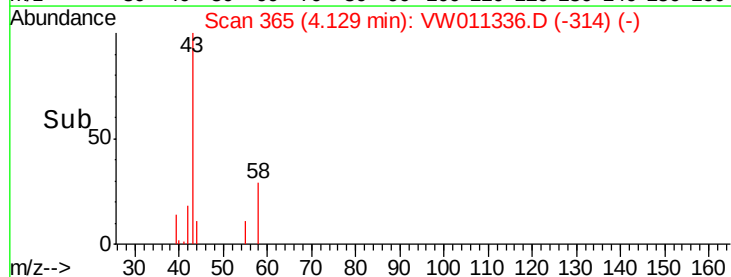
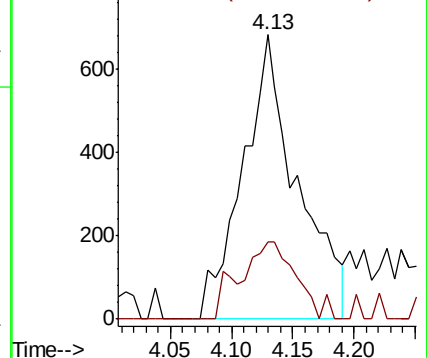
43 100

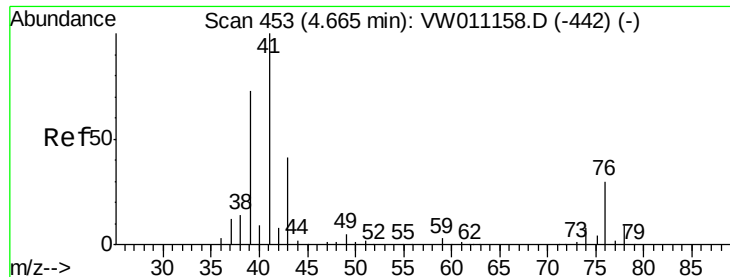
58 26.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

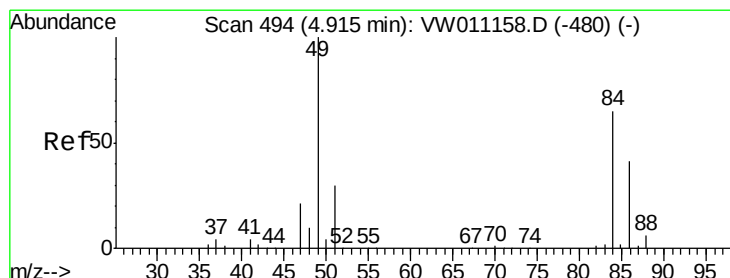
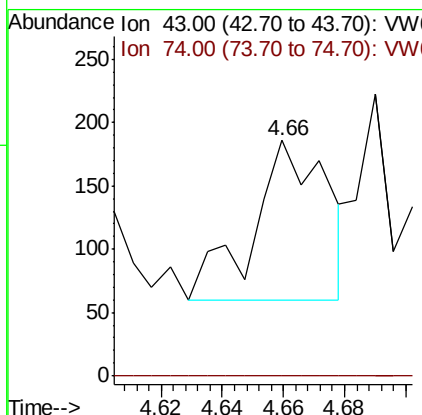
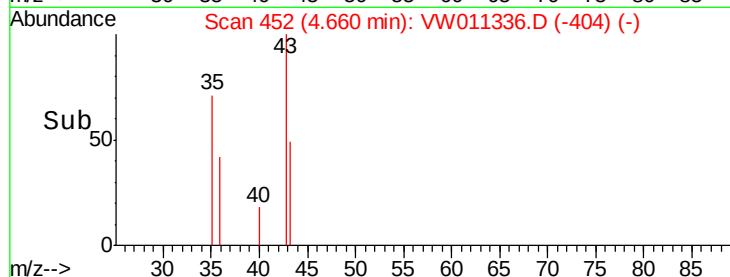
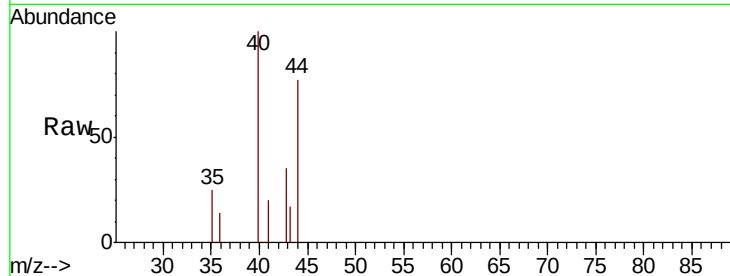




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.66 min Scan# 452  
Delta R.T. -0.01 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

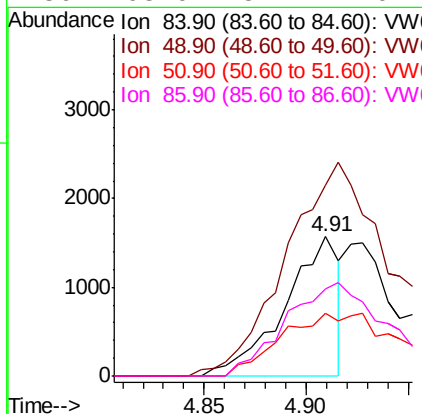
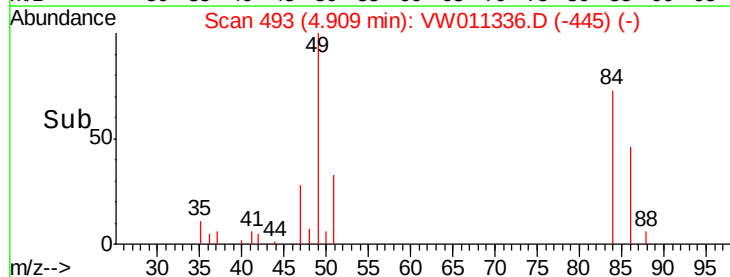
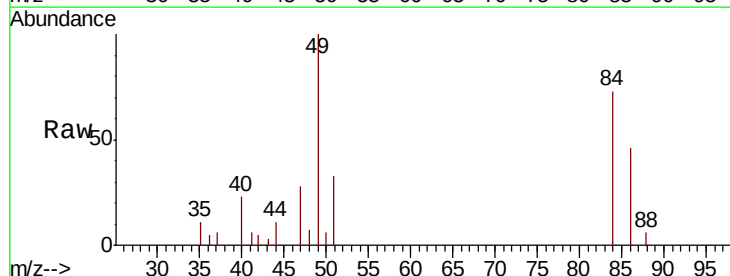
Instrument :  
MSVOA\_W  
ClientSampled :

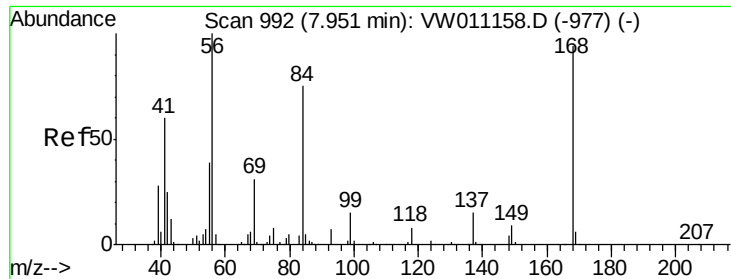
Tot Ion: 43 Resp: 212  
Ion Ratio Lower Upper  
43 100  
74 0.0 15.7 23.5#



#20  
Methylene Chloride  
Concen: 1.313 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Tgt Ion: 84 Resp: 2905  
Ion Ratio Lower Upper  
84 100  
49 137.7 123.8 185.6  
51 45.6 37.4 56.2  
86 63.0 51.1 76.7

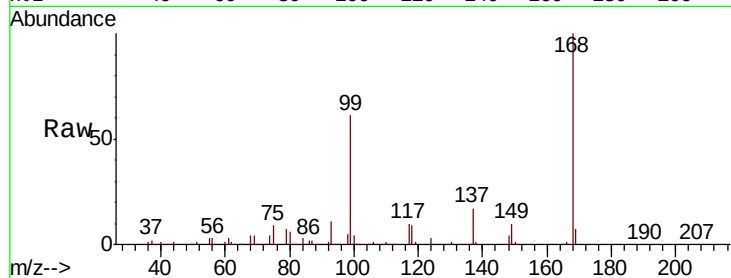




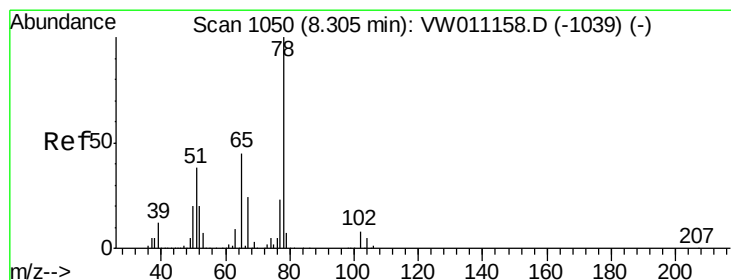
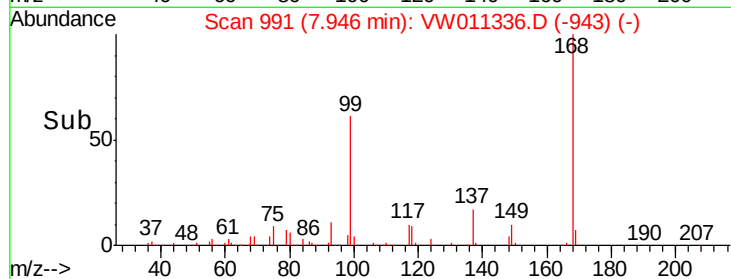
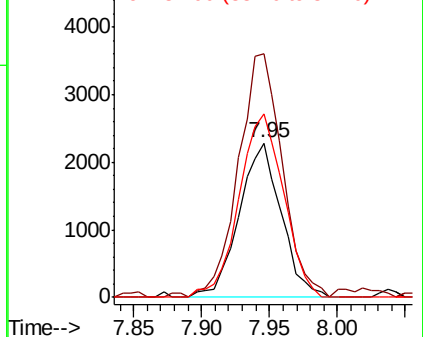
#31  
Cyclohexane  
Concen: 1.098 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 56 Resp: 4961  
Ion Ratio Lower Upper  
56 100  
69 157.7 24.6 36.8#  
84 118.5 60.1 90.1#

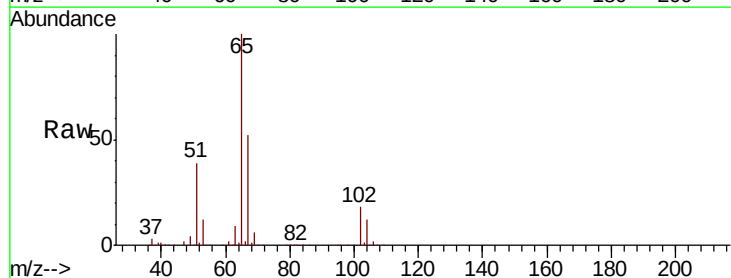


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

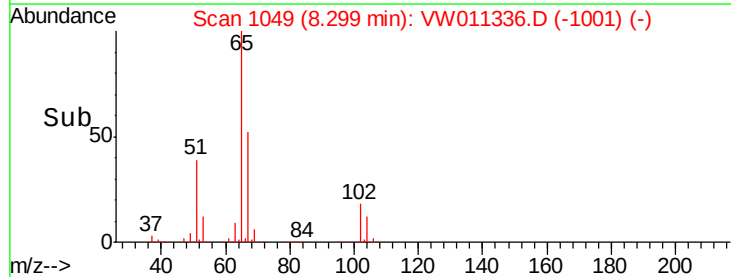
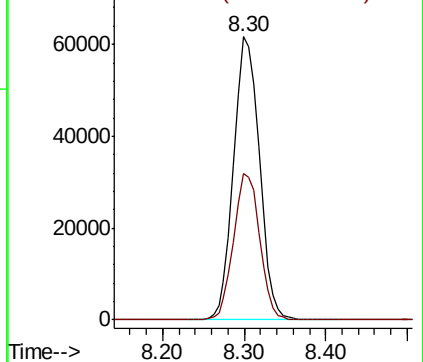


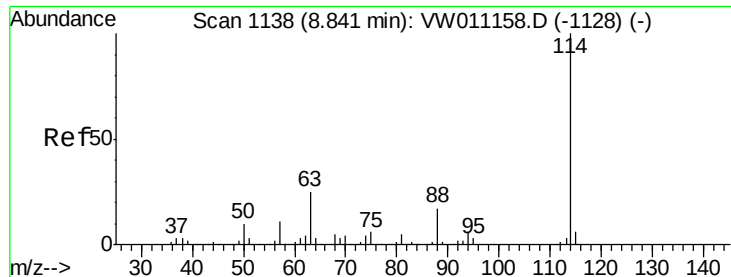
#33  
1,2-Dichloroethane-d4  
Concen: 57.878 ug/l  
RT: 8.30 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Tgt Ion: 65 Resp: 134960  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

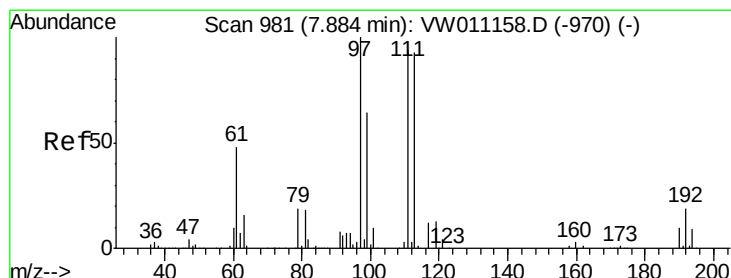
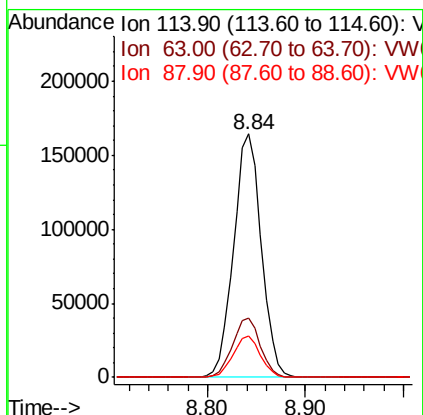
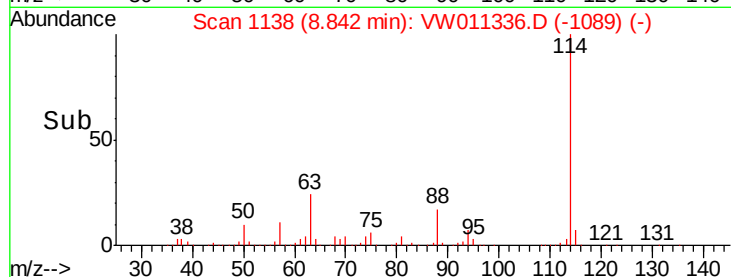
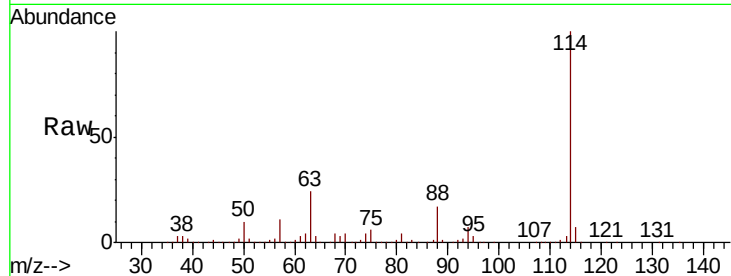




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011336.D  
 Acq: 18 Jul 2019 16:16

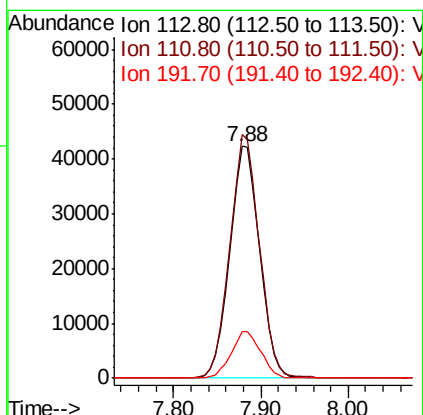
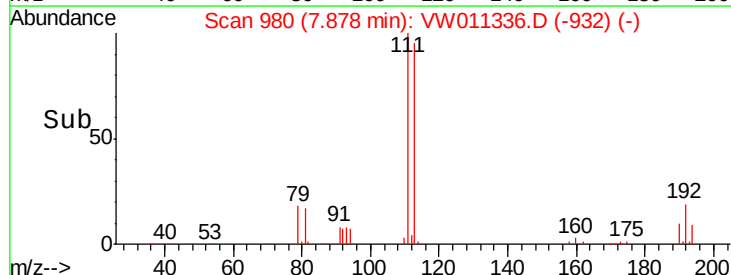
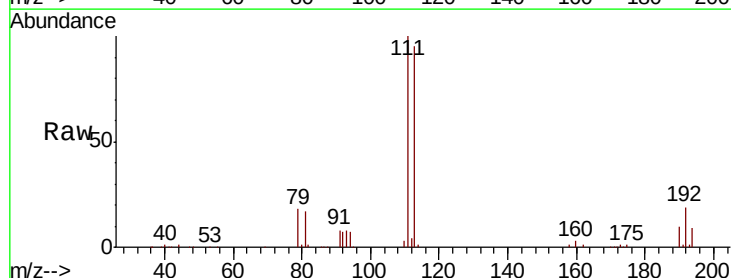
Instrument :  
 MSVOA\_W  
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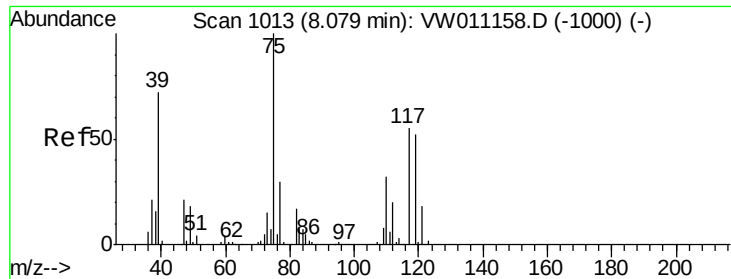
Tot Ion:114 Resp: 322735  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 50.8  
 88 16.9 0.0 34.2



#35  
 Dibromofluoromethane  
 Concen: 52.225 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW011336.D  
 Acq: 18 Jul 2019 16:16

Tgt Ion:113 Resp: 100463  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 82.4 123.6  
 192 20.0 15.8 23.8

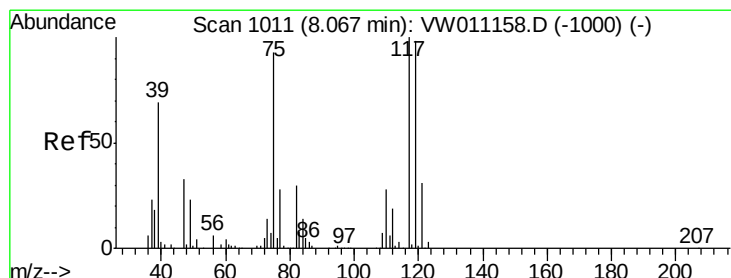
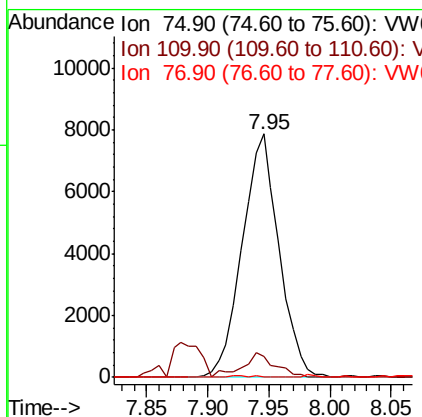
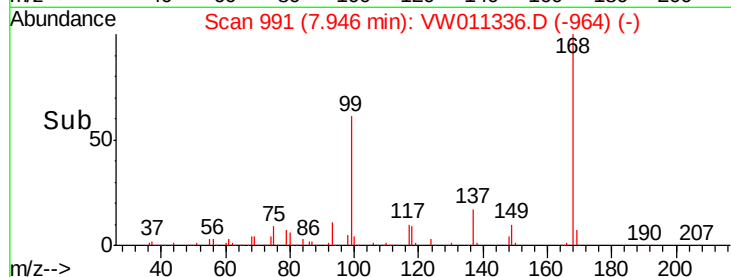
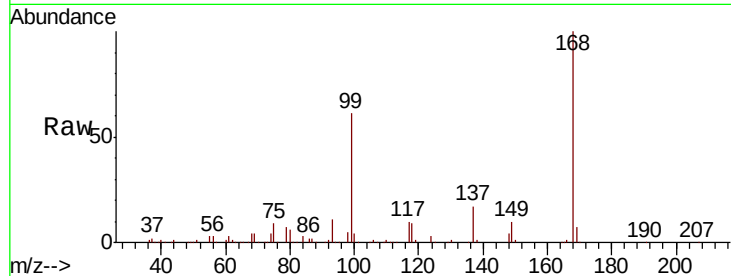




#36  
 1,1-Dichloropropene  
 Concen: 4.780 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW011336.D  
 Acq: 18 Jul 2019 16:16

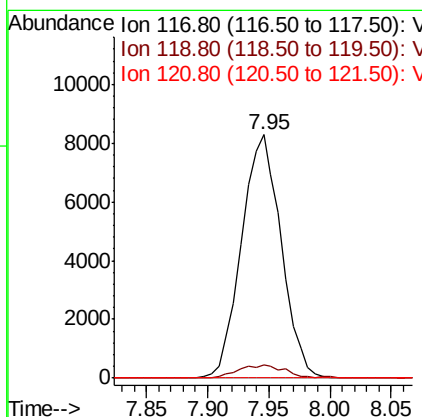
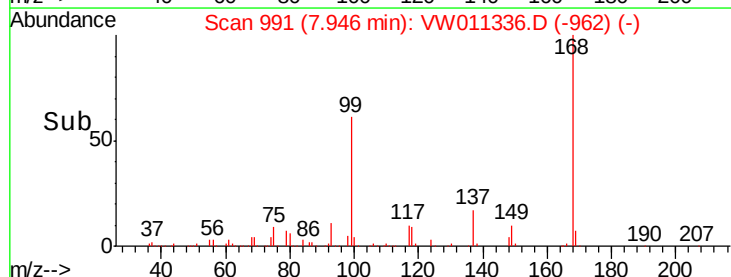
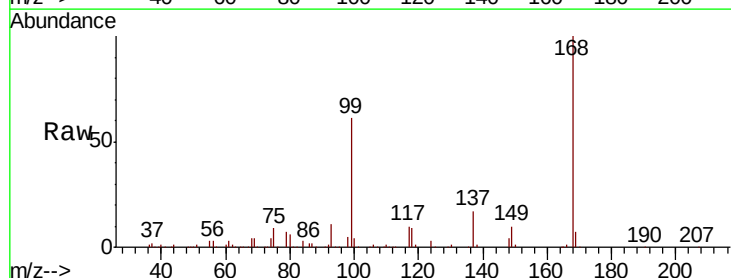
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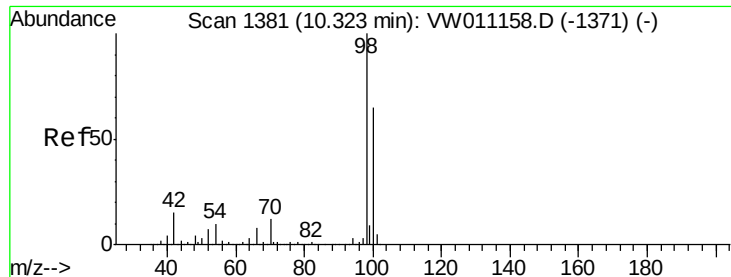
Tot Ion: 75 Resp: 16428  
 Ion Ratio Lower Upper  
 75 100  
 110 8.1 15.9 47.6#  
 77 0.0 24.6 36.8#



#38  
 Carbon Tetrachloride  
 Concen: 6.401 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.12 min  
 Lab File: VW011336.D  
 Acq: 18 Jul 2019 16:16

Tgt Ion: 117 Resp: 18648  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 78.1 117.1#  
 121 0.0 25.1 37.7#

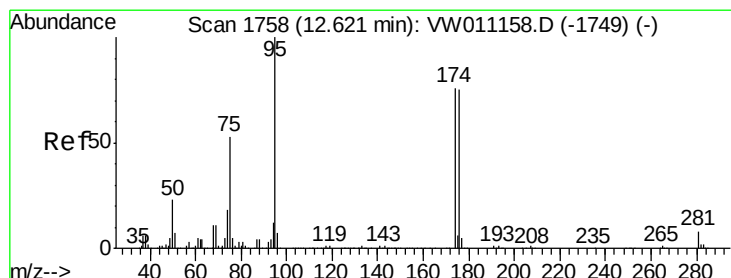
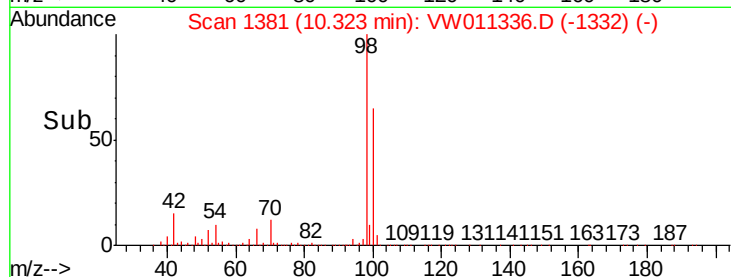
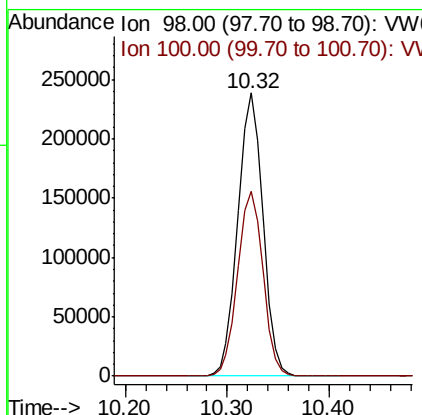
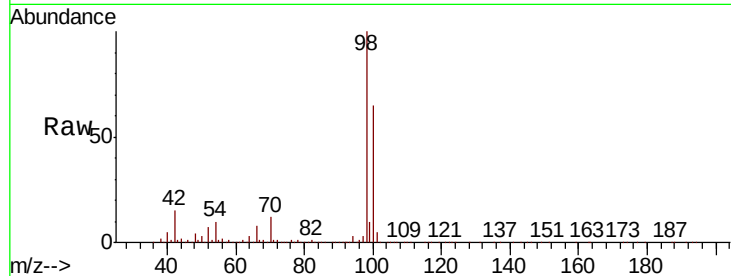




#50  
Toluene-d8  
Concen: 52.409 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

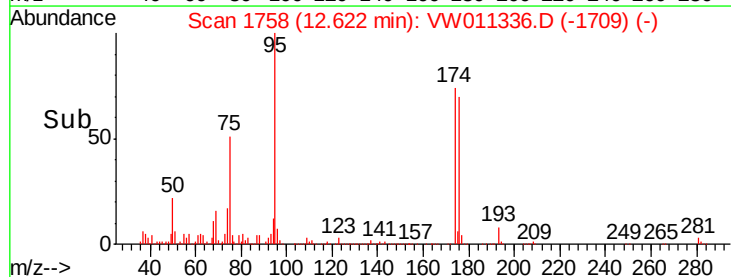
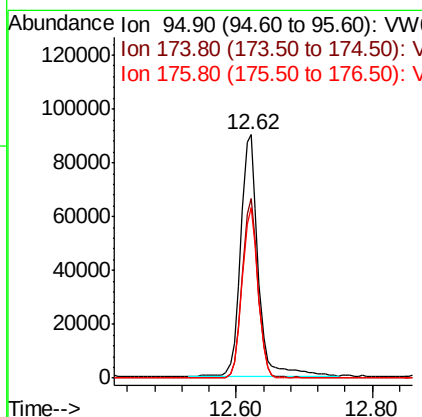
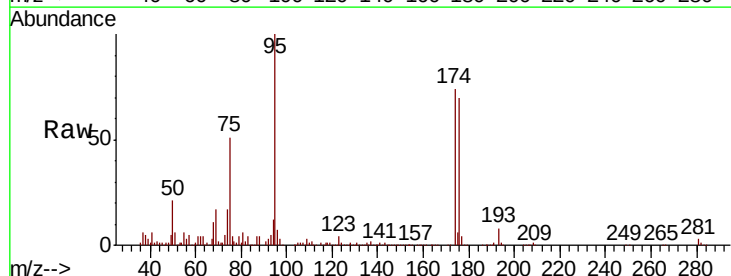
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 98 Resp: 407511  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.4 78.6

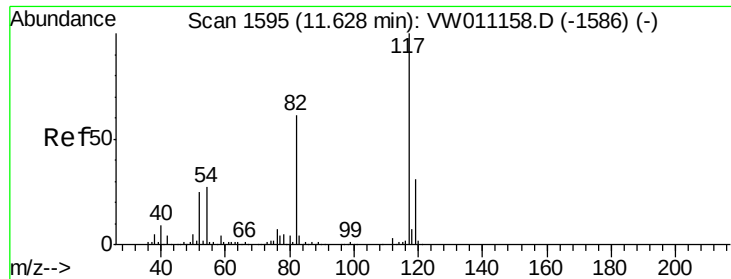


#62  
4-Bromofluorobenzene  
Concen: 56.141 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Tgt Ion: 95 Resp: 160006  
Ion Ratio Lower Upper  
95 100  
174 66.5 0.0 147.6  
176 63.8 0.0 144.6



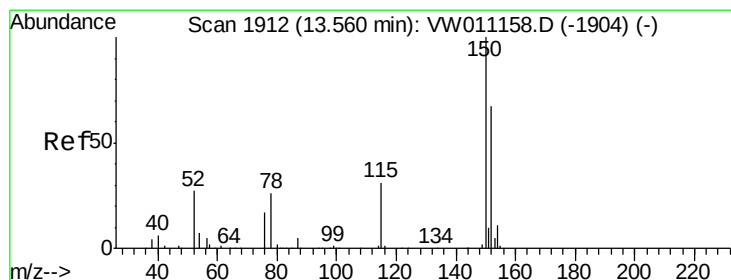
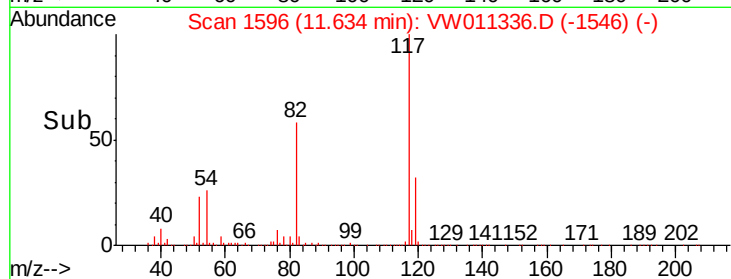
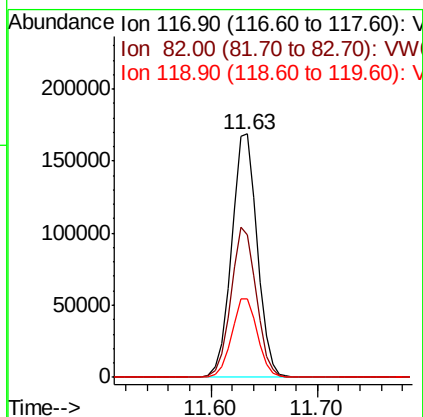
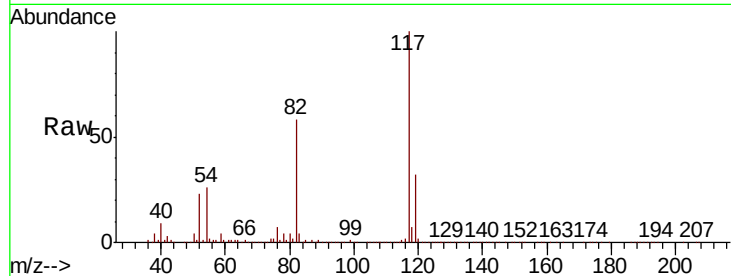




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

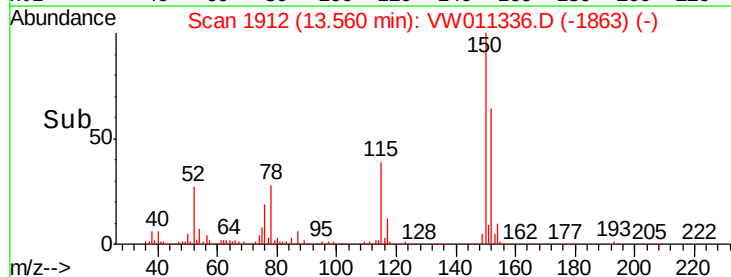
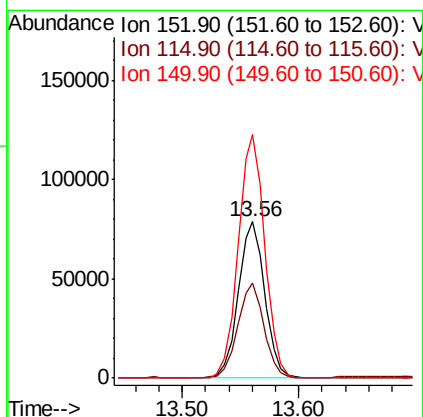
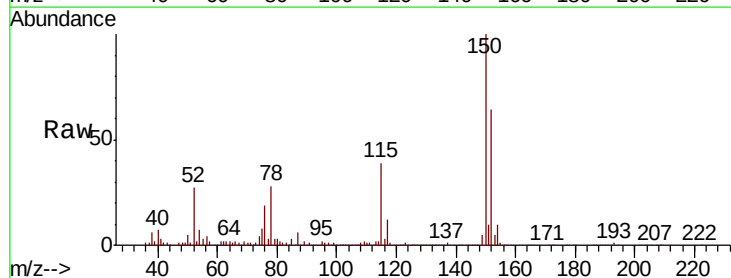
Instrument :  
MSVOA\_W  
ClientSampleId :

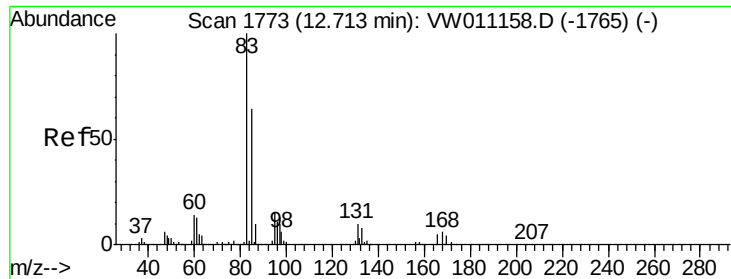
Tot Ion:117 Resp: 285541  
Ion Ratio Lower Upper  
117 100  
82 58.1 48.9 73.3  
119 32.0 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Tgt Ion:152 Resp: 123813  
Ion Ratio Lower Upper  
152 100  
115 59.8 30.1 90.3  
150 156.1 0.0 346.0





#75

1,1,2,2-Tetrachloroethane

Concen: 12.455 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. -0.08 min

Lab File: VW011336.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA\_W

ClientSampleId :

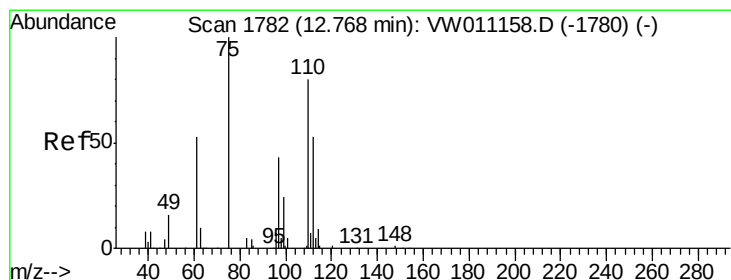
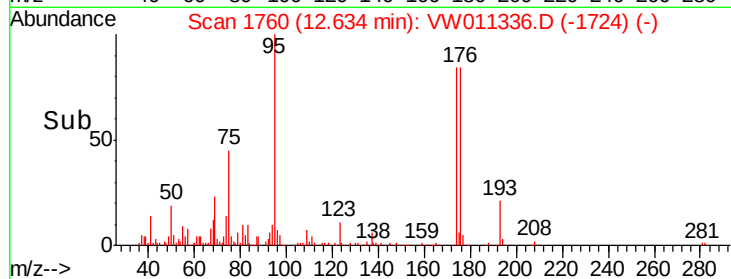
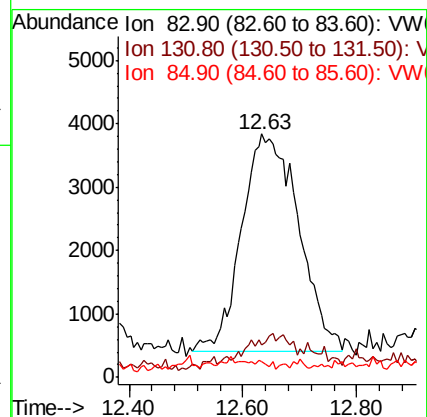
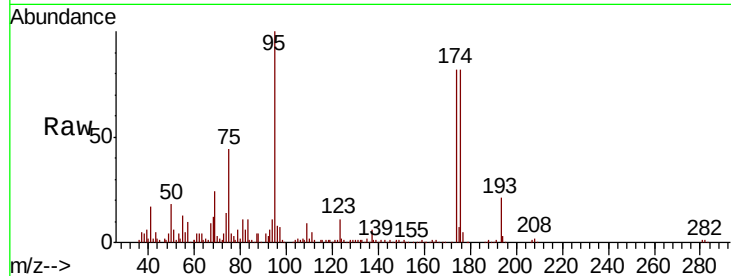
Tot Ion: 83 Resp: 23631

Ion Ratio Lower Upper

83 100

131 1.8 5.0 15.0#

85 0.0 31.6 94.8#



#76

1,2,3-Trichloropropane

Concen: 52.853 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011336.D

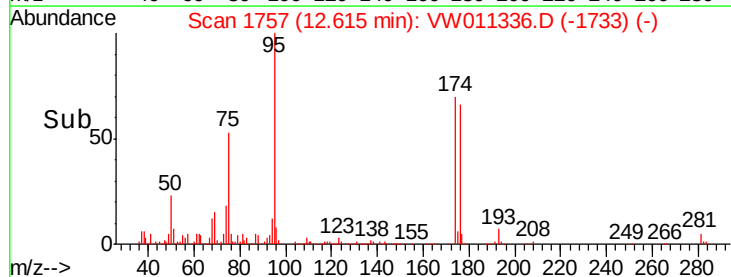
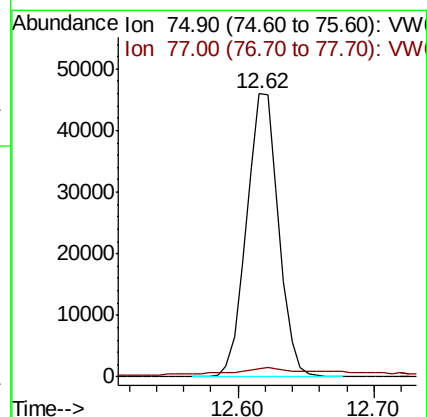
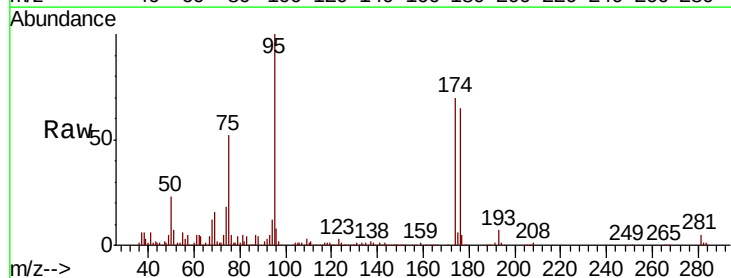
Acq: 18 Jul 2019 16:16

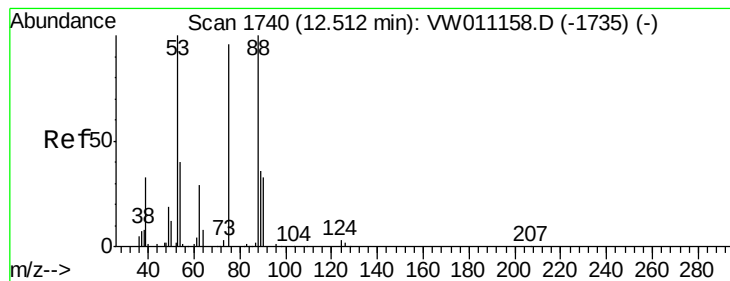
Tgt Ion: 75 Resp: 75623

Ion Ratio Lower Upper

75 100

77 5.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.543 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011336.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA\_W

ClientSampleId :

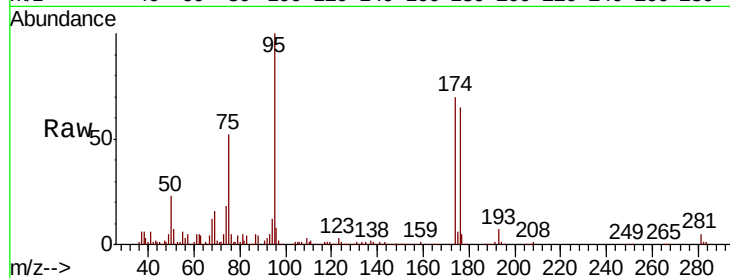
Tot Ion: 75 Resp: 75623

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.2 34.3 51.5#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

