

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
 Data File : VW012429.D
 Acq On : 01 Sep 2019 05:22
 Operator : SY/VA
 Sample : K4516-06
 Misc : 5.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B4-(2.5)

Quant Time: Sep 01 06:39:52 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

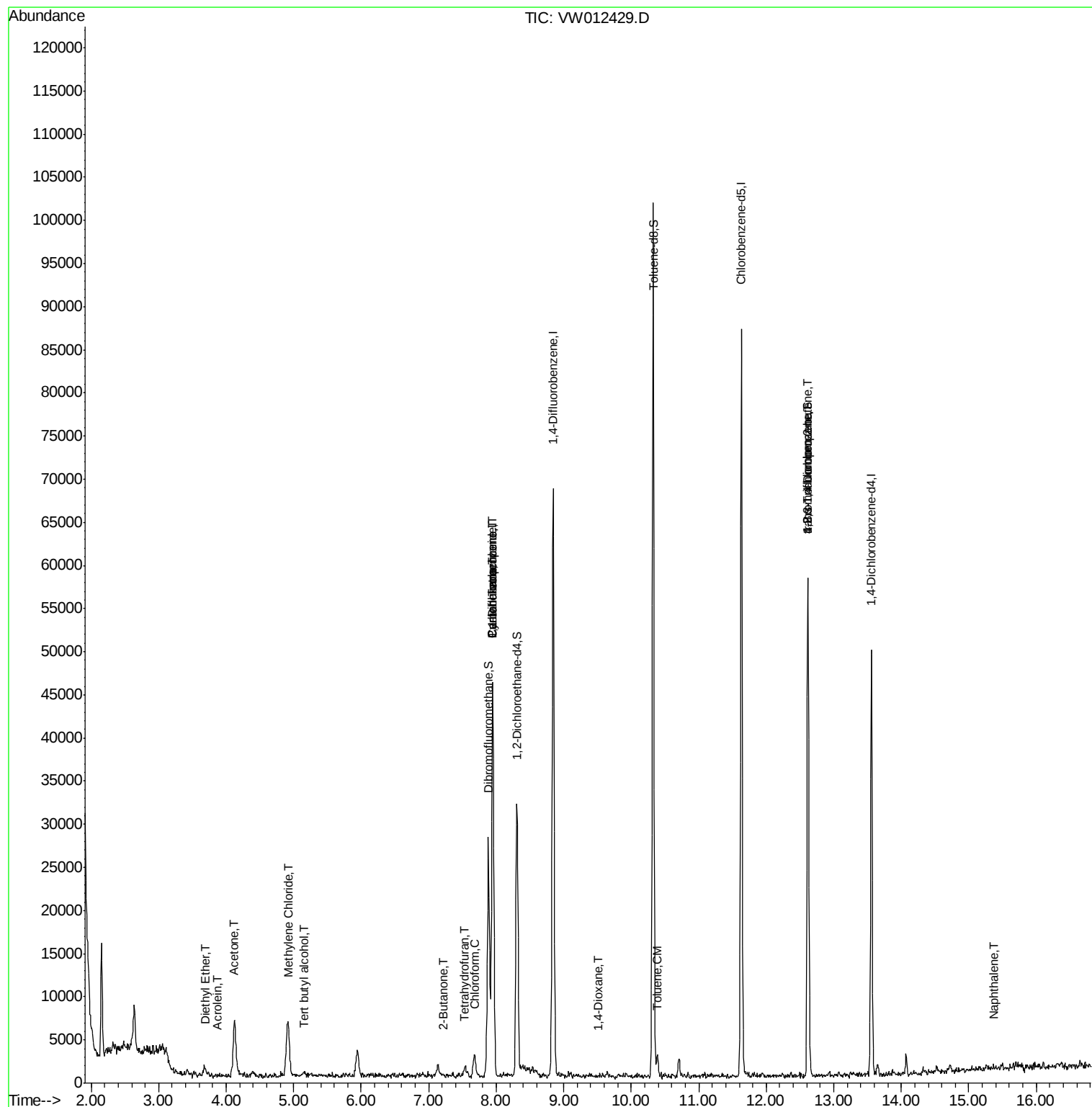
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	32684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	52768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	44249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	12450	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	25502	65.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.28%	
35) Dibromofluoromethane	7.89	113	19090	60.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.22%	
50) Toluene-d8	10.32	98	63844	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	18139	40.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	462	2.540	ug/l	79
11) Tert butyl alcohol	5.15	59	251	10.735	ug/l	95
13) Acrolein	3.87	56	32	1.454	ug/l	95
16) Acetone	4.12	43	12310	123.946	ug/l	96
20) Methylene Chloride	4.91	84	4400	11.719	ug/l	95
25) 2-Butanone	7.21	43	194	1.437	ug/l #	56
29) Tetrahydrofuran	7.53	42	852	10.522	ug/l #	89
30) Chloroform	7.68	83	2402	3.712	ug/l	99
31) Cyclohexane	7.95	56	896	1.280	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	3014	5.527	ug/l #	49
38) Carbon Tetrachloride	7.95	117	3363	7.126	ug/l #	17
49) 1,4-Dioxane	9.51	88	19	6.961	ug/l #	5
52) Toluene	10.40	92	944	1.055	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	10208	84.187	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10208	184.583	ug/l #	6
95) Naphthalene	15.37	128	68	4.453	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

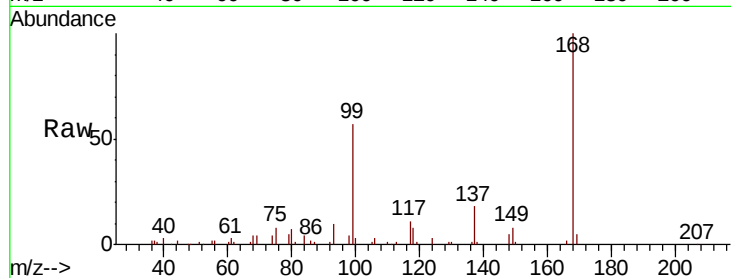
T1-S-B4-(2.5)

Tgt Ion:168 Resp: 32684

Ion Ratio Lower Upper

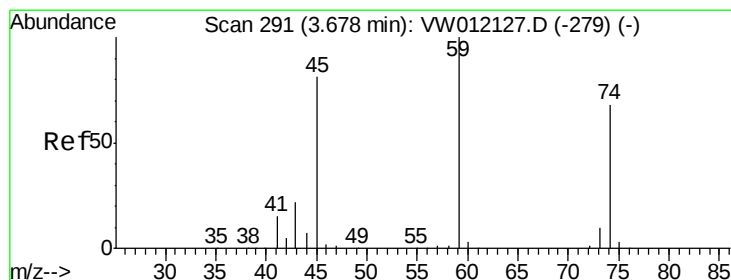
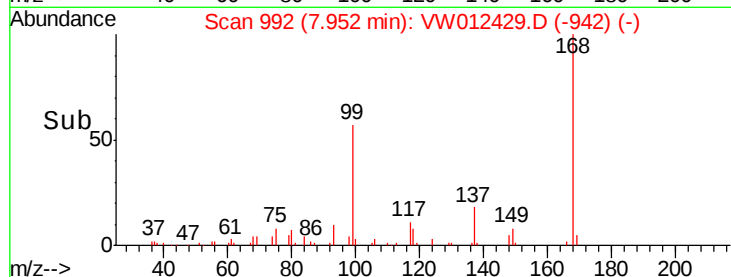
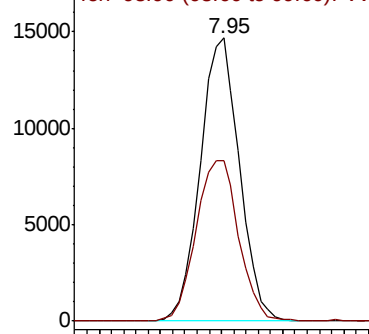
168 100

99 56.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.540 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012429.D

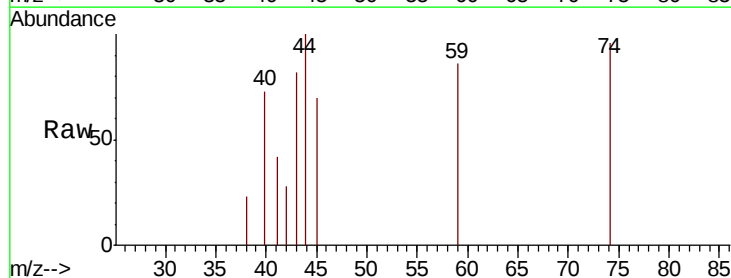
Acq: 01 Sep 2019 05:22

Tgt Ion: 74 Resp: 462

Ion Ratio Lower Upper

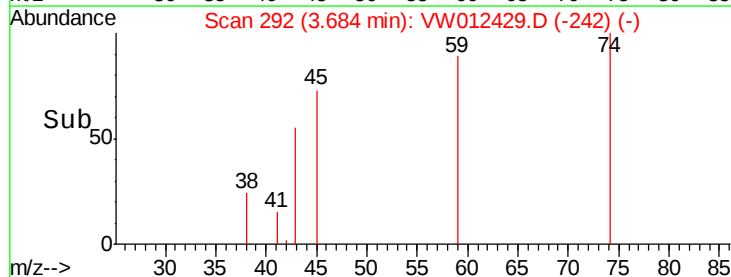
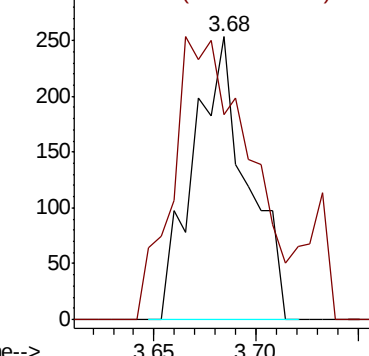
74 100

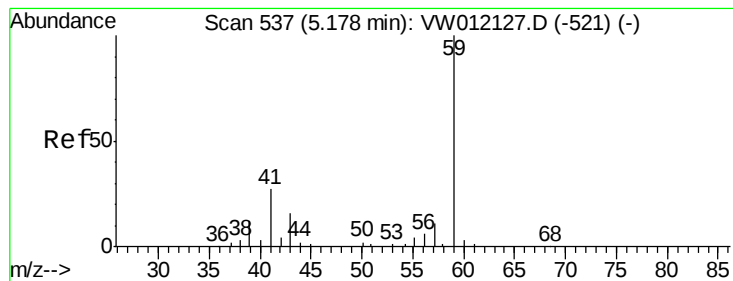
45 141.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 10.735 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.03 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampled :

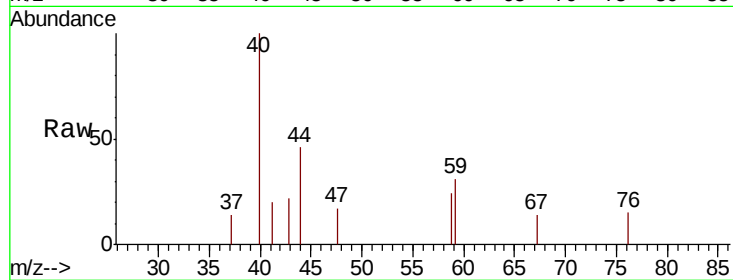
T1-S-B4-(2.5)

Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

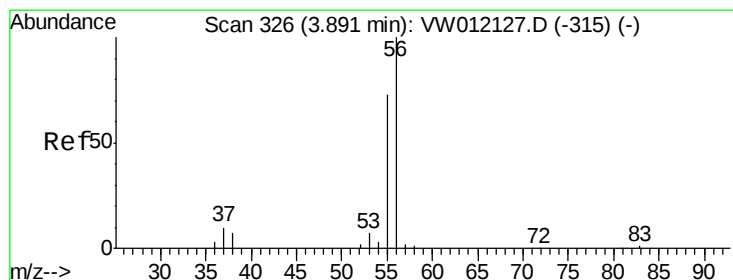
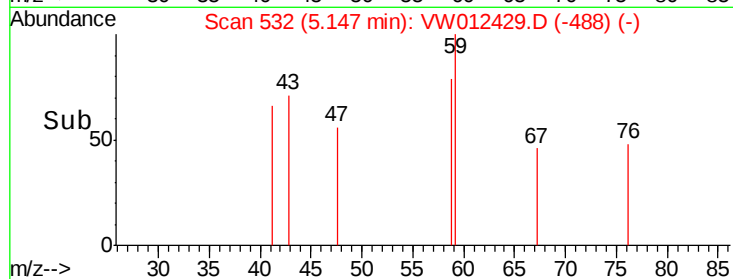
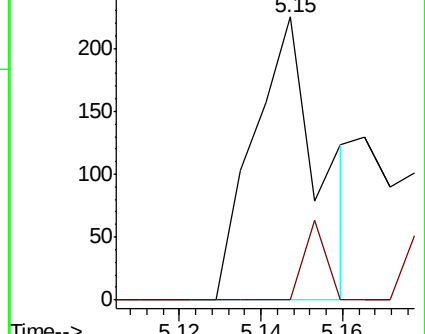
59 100

57 9.2 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 1.454 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW012429.D

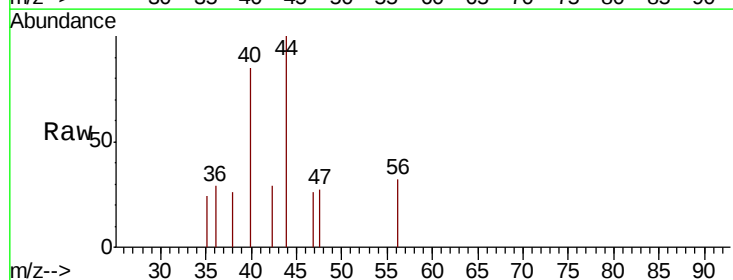
Acq: 01 Sep 2019 05:22

Tgt Ion: 56 Resp: 32

Ion Ratio Lower Upper

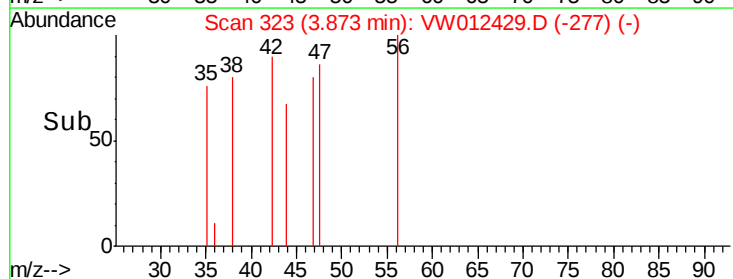
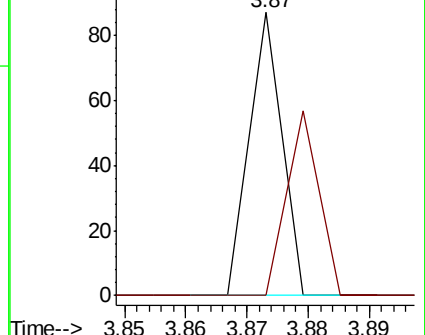
56 100

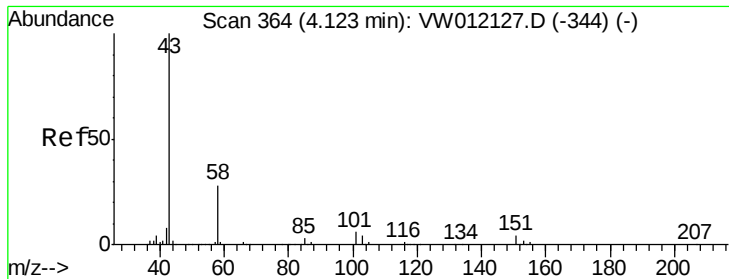
55 65.6 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

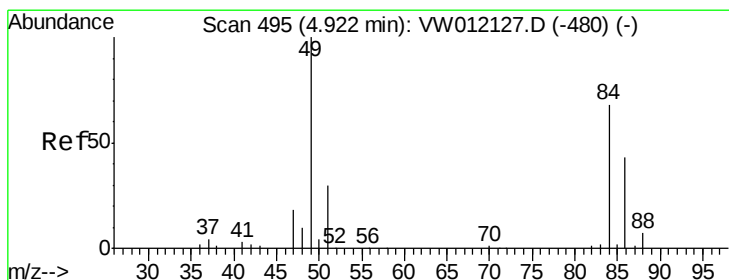
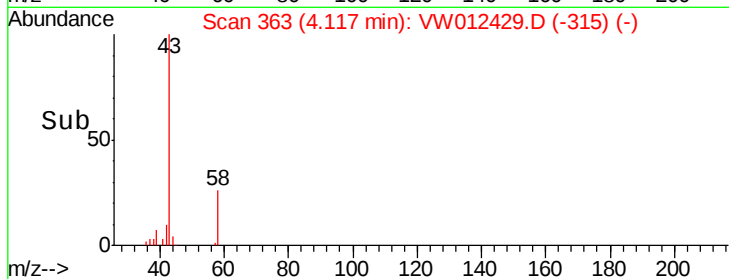
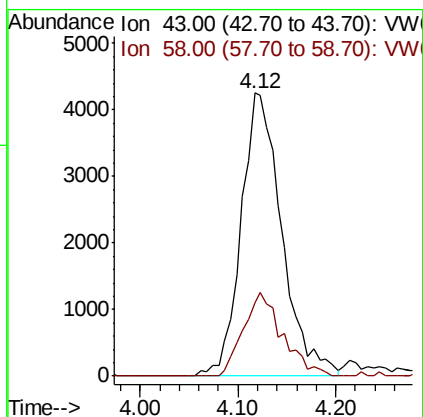
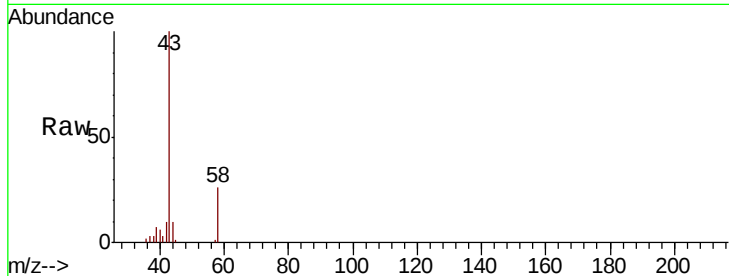




#16
Acetone
Concen: 123.946 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

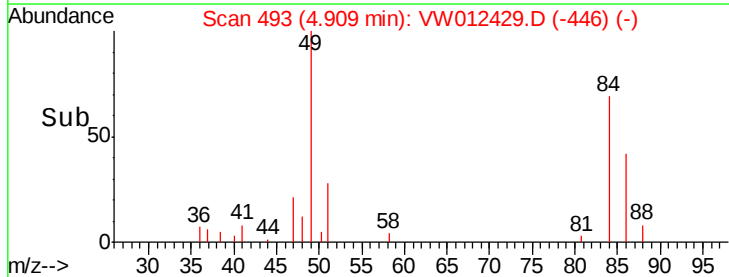
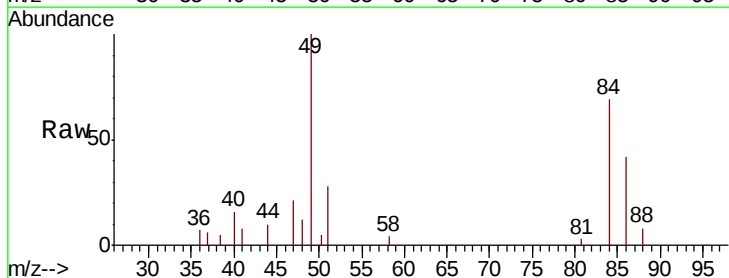
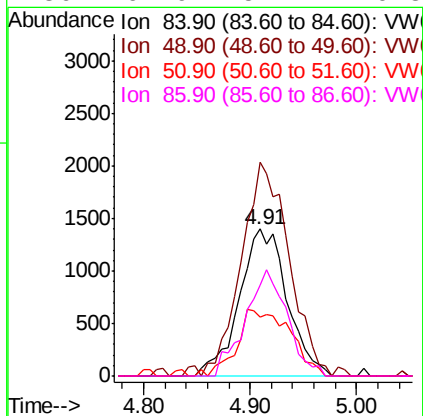
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B4-(2.5)

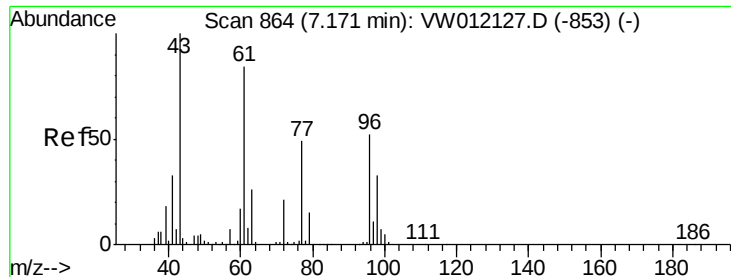
Tgt Ion: 43 Resp: 12310
Ion Ratio Lower Upper
43 100
58 26.0 22.4 33.6



#20
Methylene Chloride
Concen: 11.719 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

Tgt Ion: 84 Resp: 4400
Ion Ratio Lower Upper
84 100
49 139.8 117.8 176.8
51 40.1 35.6 53.4
86 61.9 51.2 76.8

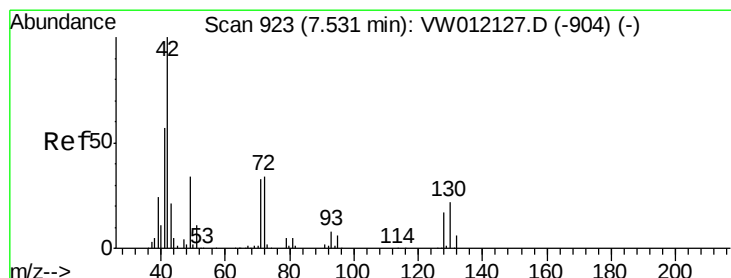
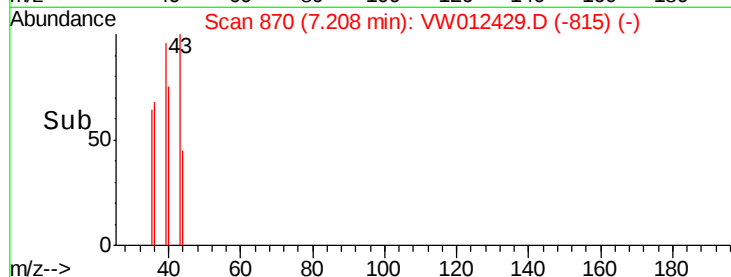
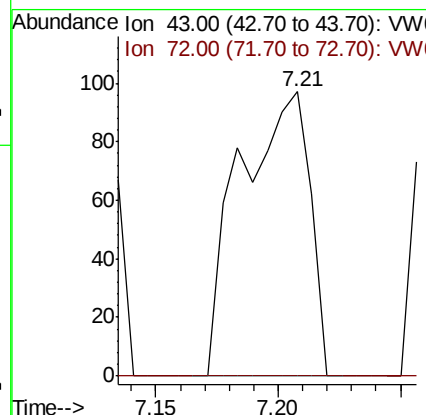
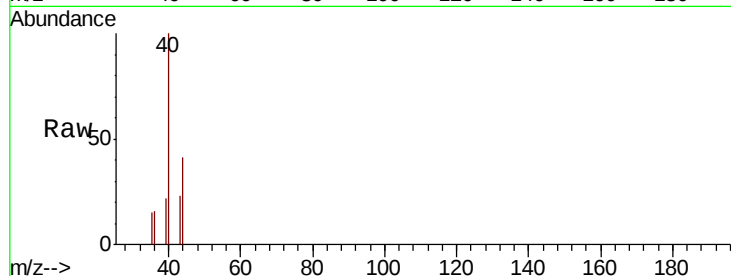




#25
 2-Butanone
 Concen: 1.437 ug/l
 RT: 7.21 min Scan# 870
 Delta R.T. 0.04 min
 Lab File: VW012429.D
 Acq: 01 Sep 2019 05:22

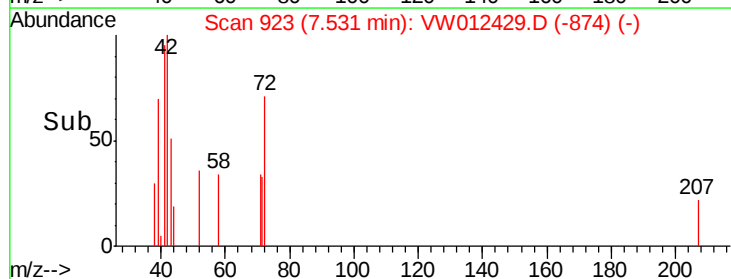
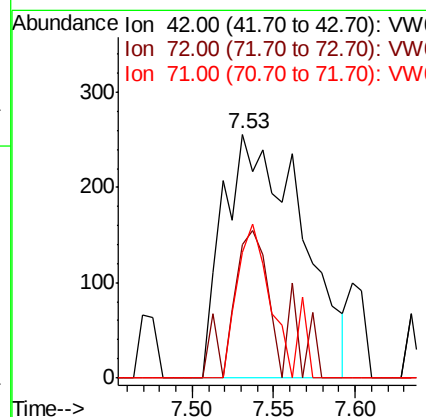
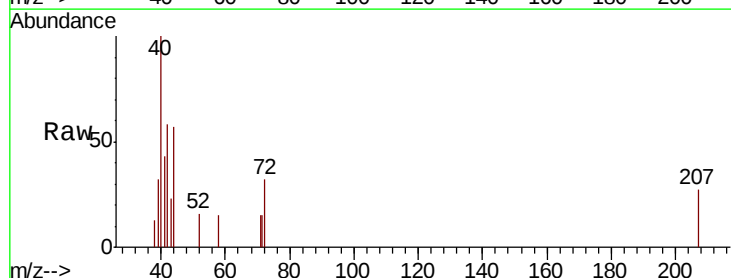
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B4-(2.5)

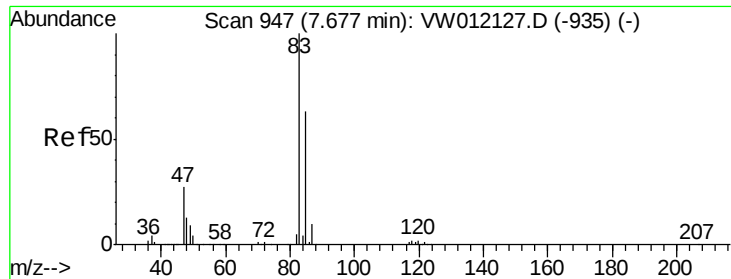
Tgt Ion: 43 Resp: 194
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.6 24.8#



#29
 Tetrahydrofuran
 Concen: 10.522 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VW012429.D
 Acq: 01 Sep 2019 05:22

Tgt Ion: 42 Resp: 852
 Ion Ratio Lower Upper
 42 100
 72 27.1 27.3 40.9#
 71 25.9 25.5 38.3

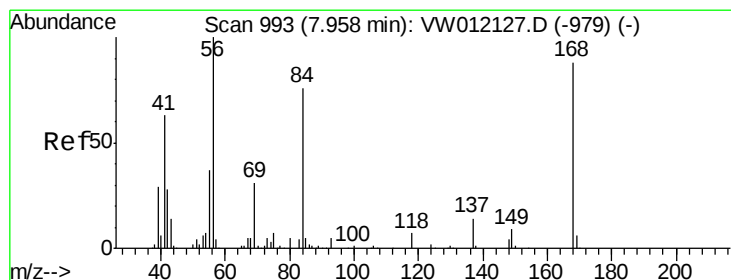
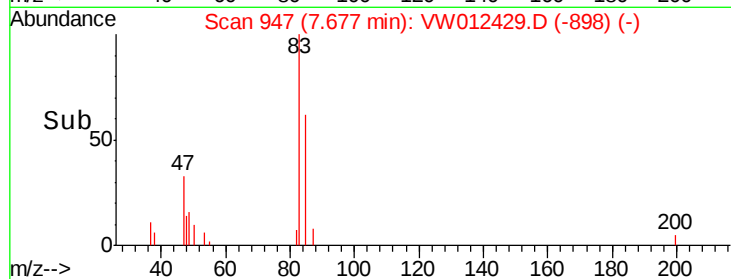
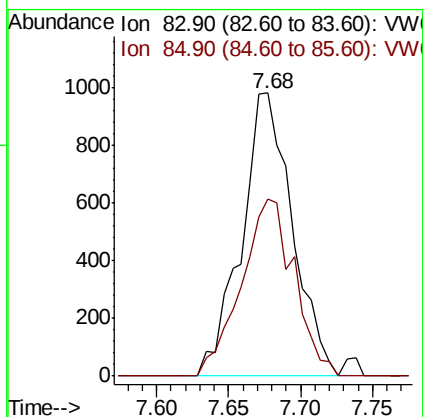
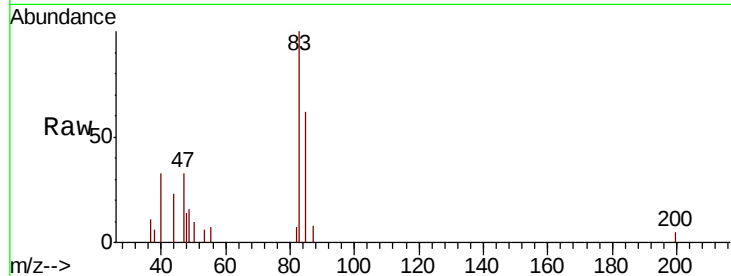




#30
Chloroform
Concen: 3.712 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

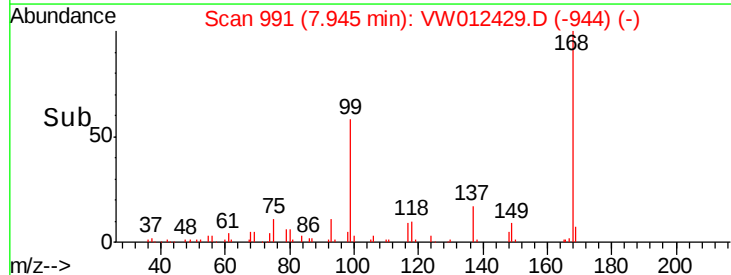
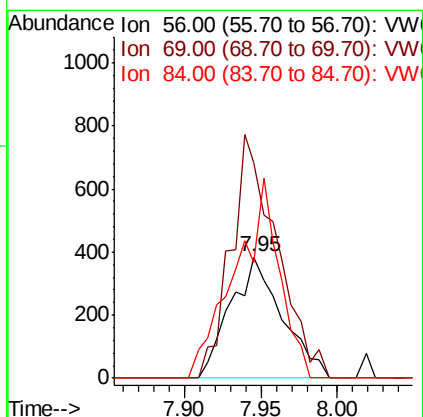
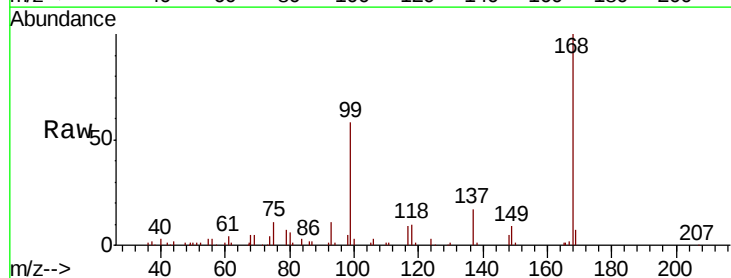
Instrument :
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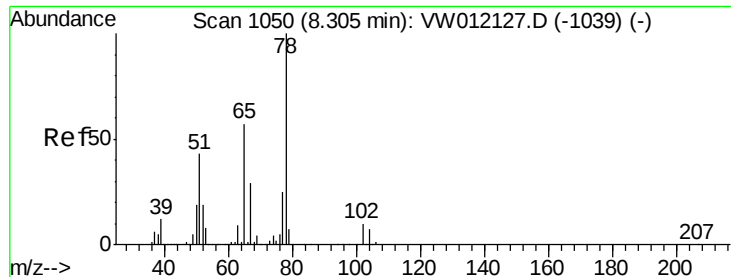
Tgt Ion: 83 Resp: 2402
Ion Ratio Lower Upper
83 100
85 62.4 50.6 76.0



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

Tgt Ion: 56 Resp: 896
Ion Ratio Lower Upper
56 100
69 178.4 24.9 37.3#
84 95.6 60.6 90.8#

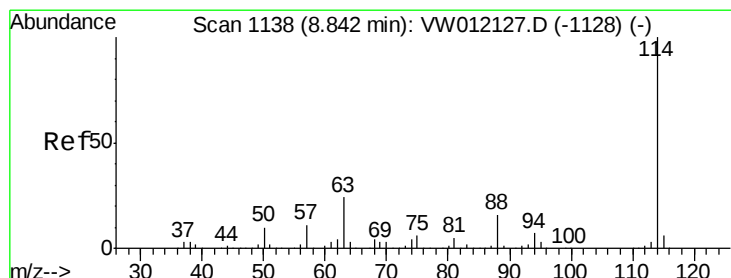
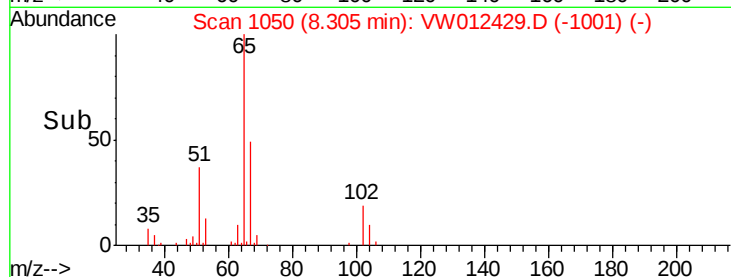
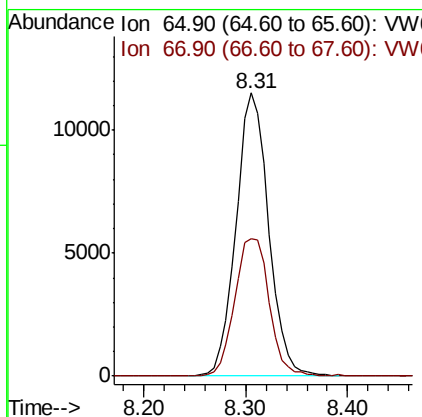
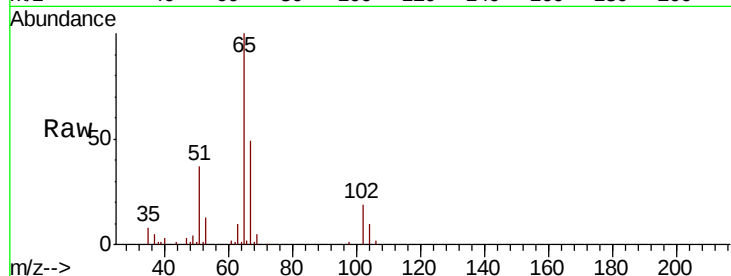




#33
 1,2-Dichloroethane-d4
 Concen: 65.637 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012429.D
 Acq: 01 Sep 2019 05:22

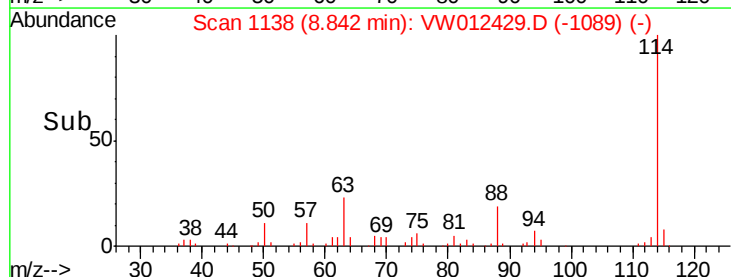
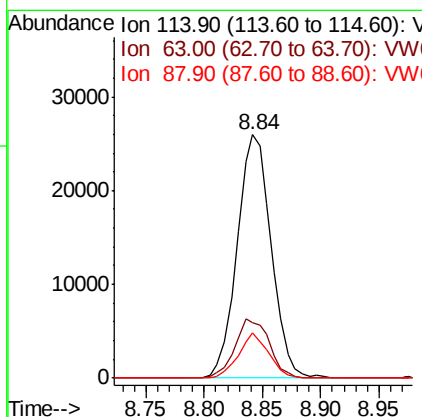
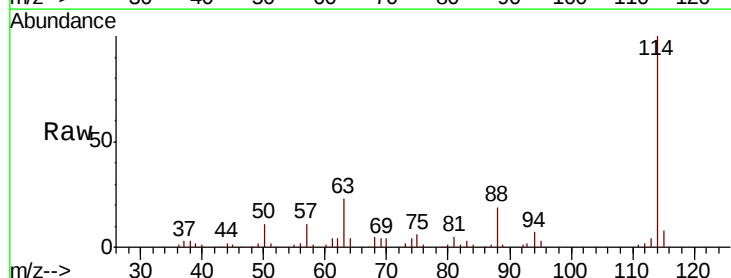
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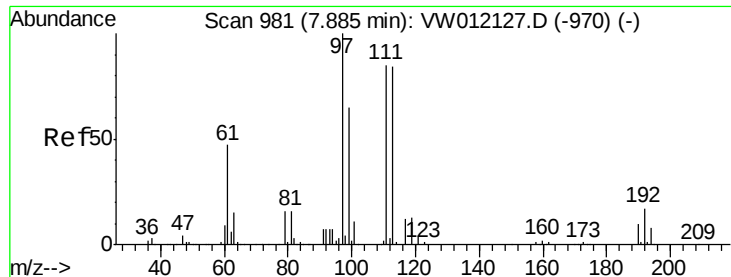
Tgt Ion: 65 Resp: 25502
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012429.D
 Acq: 01 Sep 2019 05:22

Tgt Ion: 114 Resp: 52768
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 48.6
 88 18.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 60.608 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

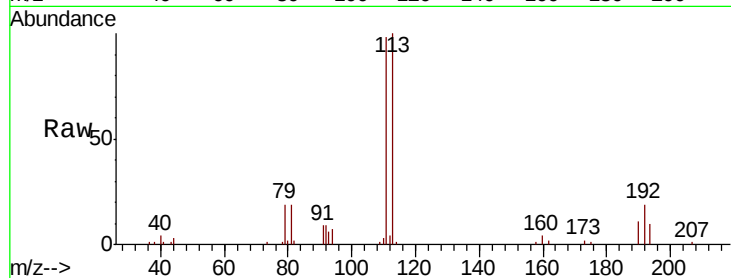
Tgt Ion:113 Resp: 19090

Ion Ratio Lower Upper

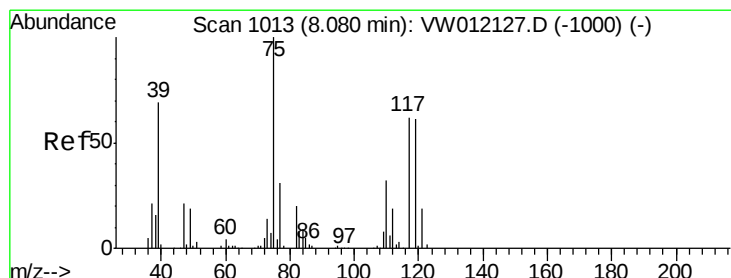
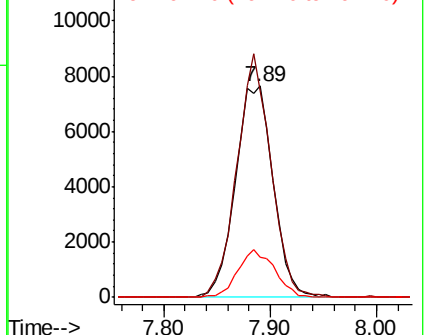
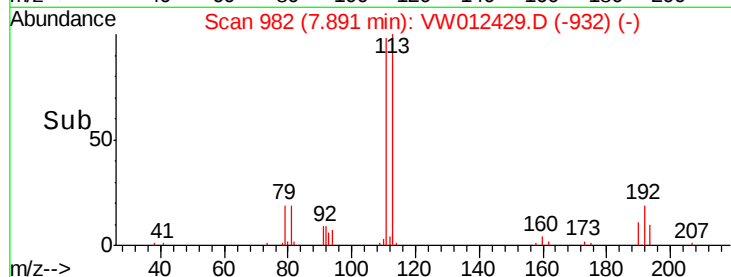
113 100

111 103.4 82.7 124.1

192 21.8 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



#36

1,1-Dichloropropene

Concen: 5.527 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

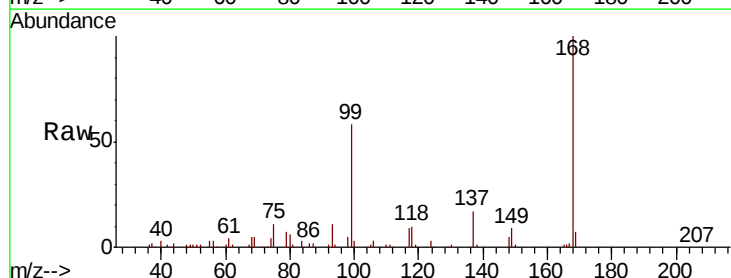
Tgt Ion: 75 Resp: 3014

Ion Ratio Lower Upper

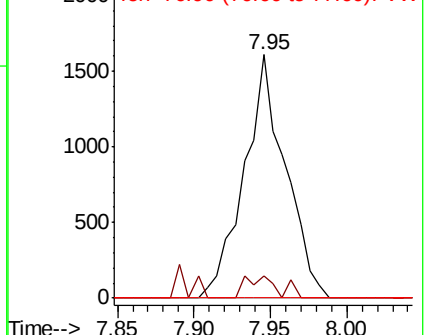
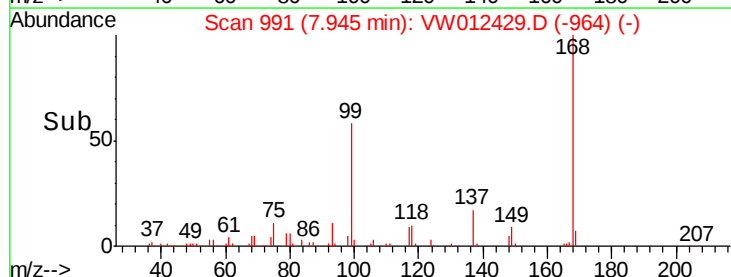
75 100

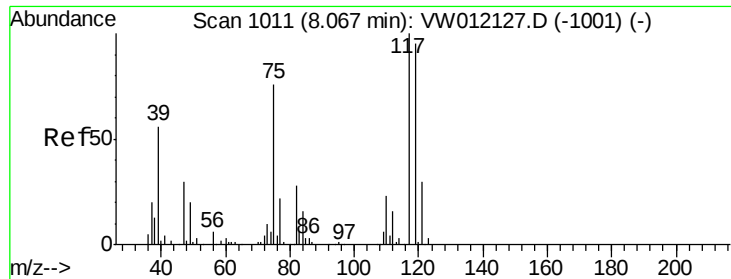
110 5.8 15.6 46.8#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.126 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

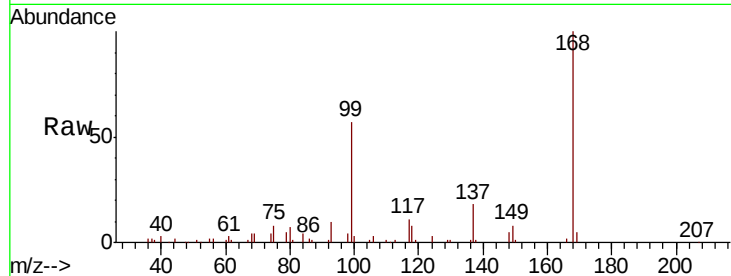
Tgt Ion:117 Resp: 3363

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

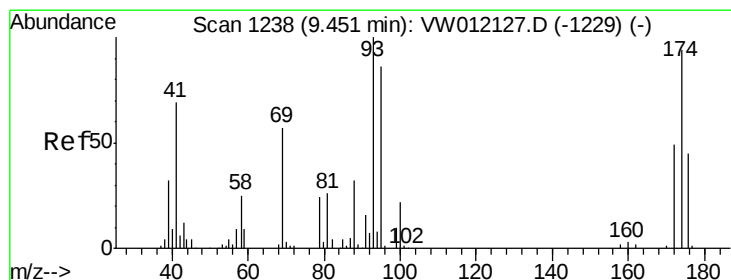
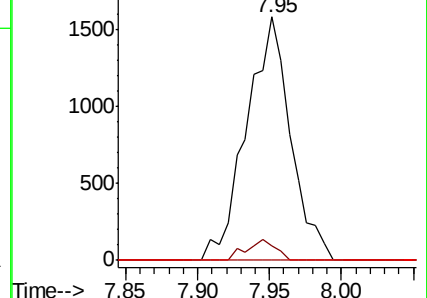
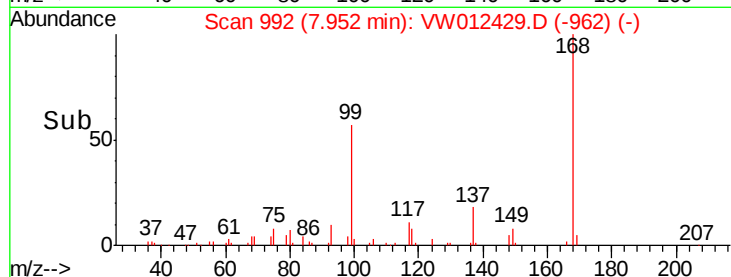
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 6.961 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.05 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

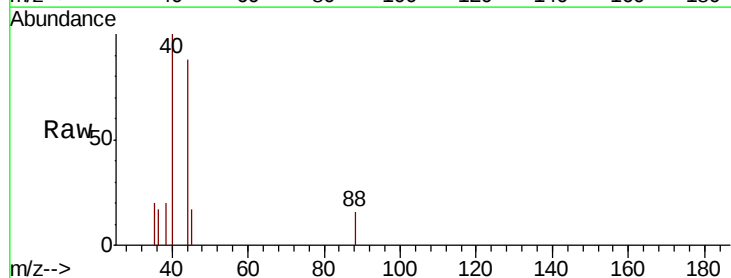
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 100.0 32.9 49.3#

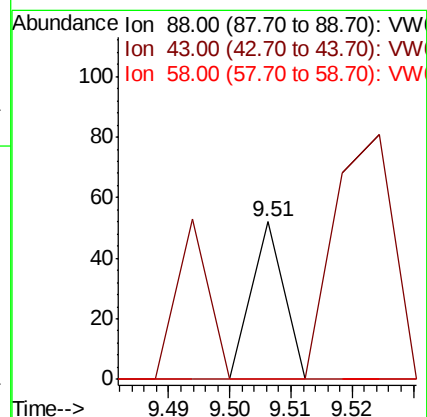
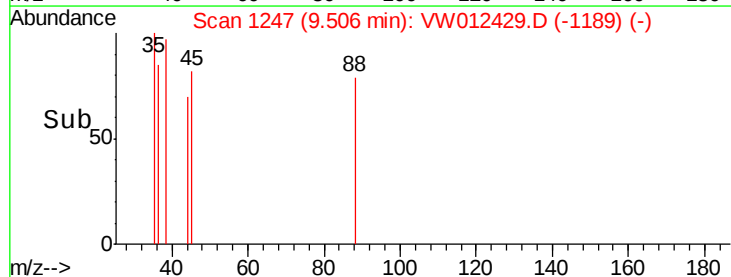
58 0.0 71.0 106.4#

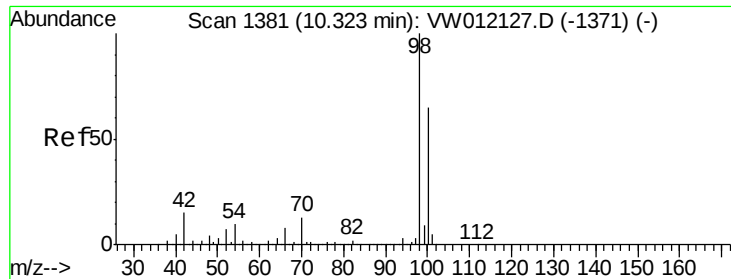


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

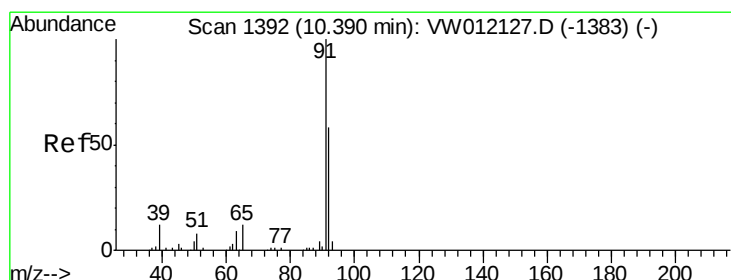
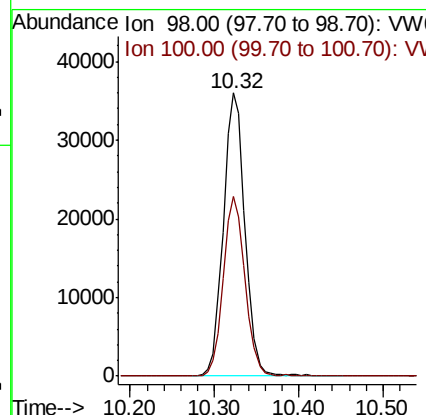
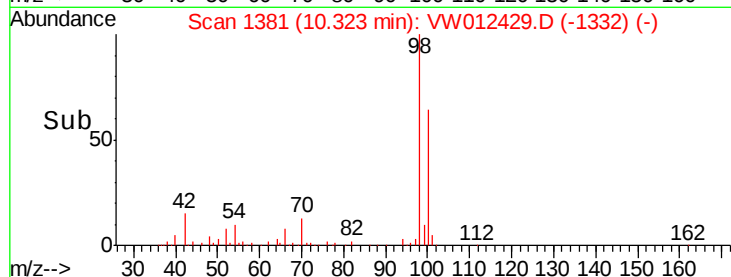
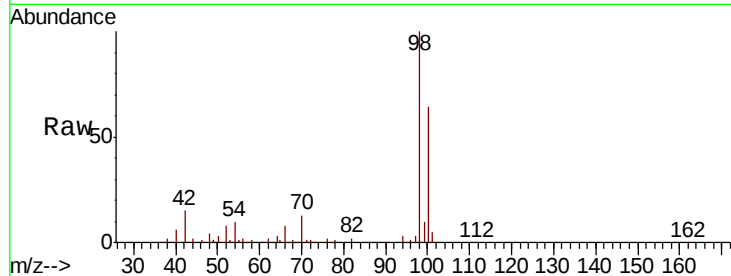




#50
Toluene-d8
Concen: 49.990 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

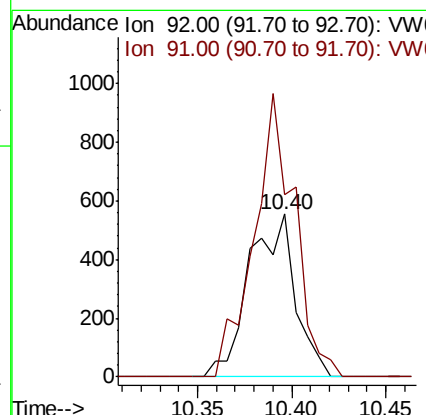
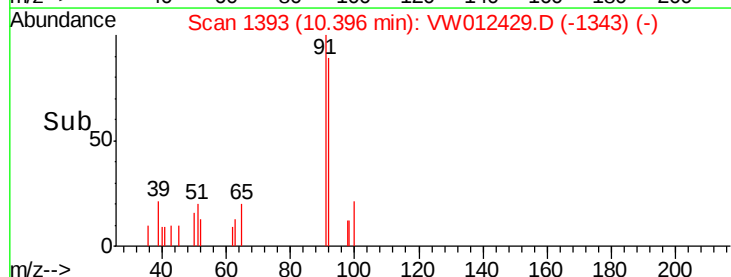
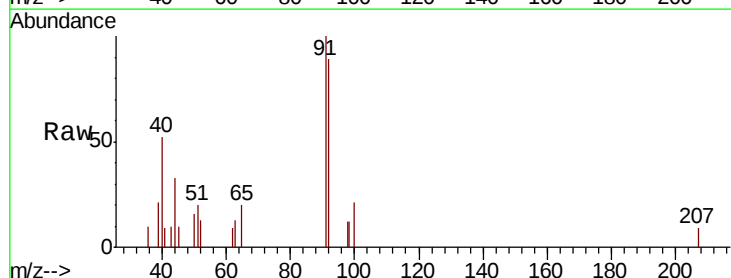
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B4-(2.5)

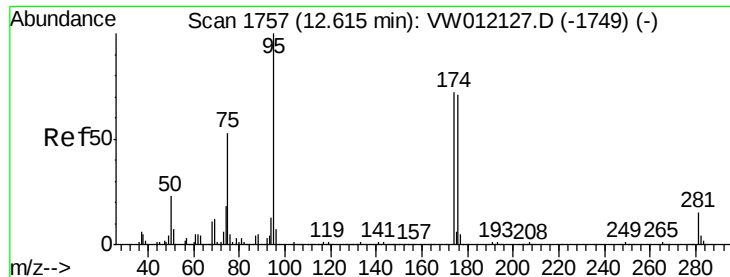
Tgt Ion: 98 Resp: 63844
Ion Ratio Lower Upper
98 100
100 63.3 52.4 78.6



#52
Toluene
Concen: 1.055 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

Tgt Ion: 92 Resp: 944
Ion Ratio Lower Upper
92 100
91 152.4 136.6 204.8





#62

4-Bromofluorobenzene

Concen: 40.292 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

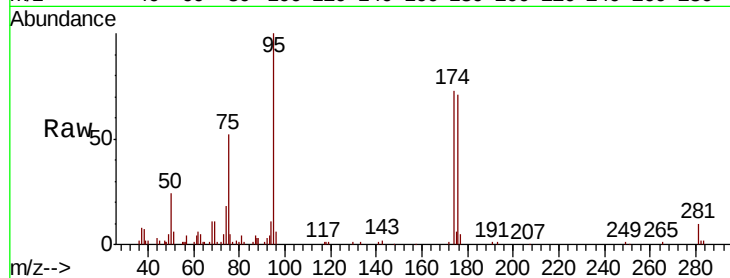
Tgt Ion: 95 Resp: 18139

Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.8

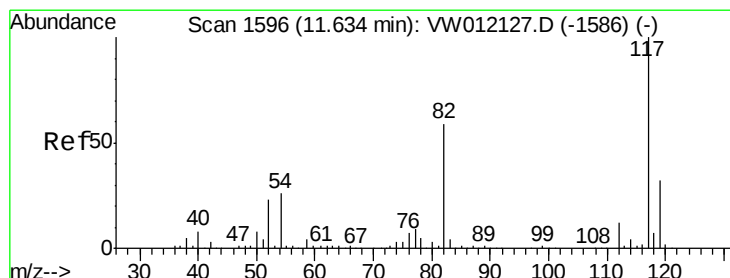
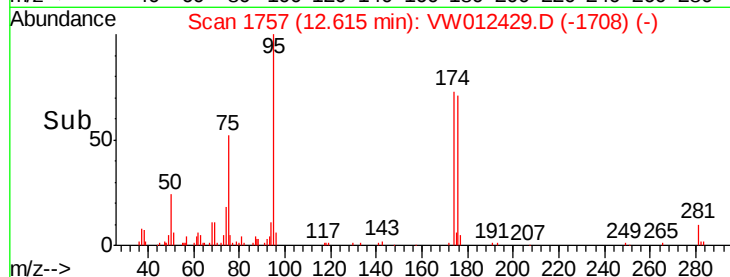
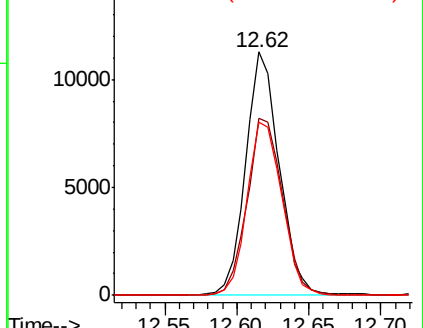
176 73.8 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

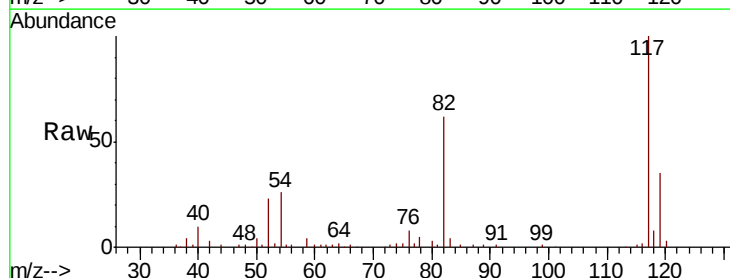
Tgt Ion: 117 Resp: 44249

Ion Ratio Lower Upper

117 100

82 61.9 47.4 71.2

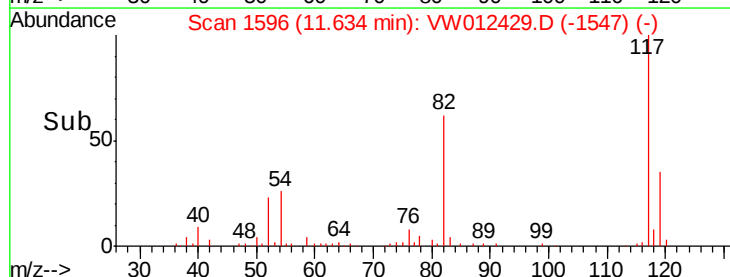
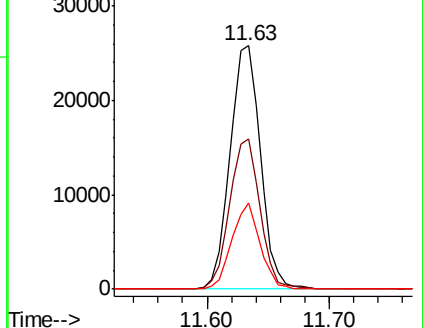
119 35.2 25.4 38.2

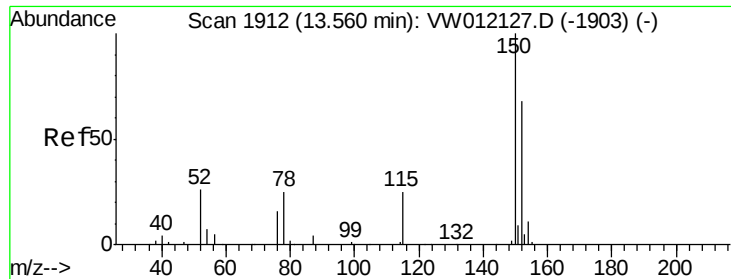


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012429.D

Acq: 01 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

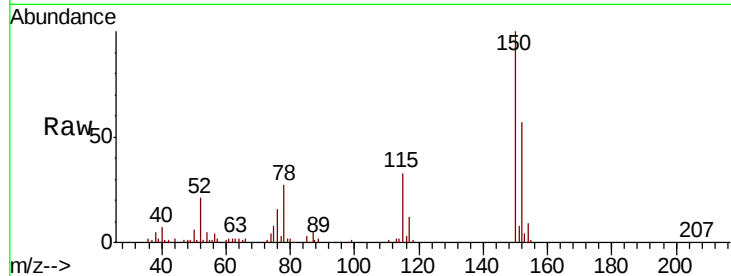
Tgt Ion:152 Resp: 12450

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

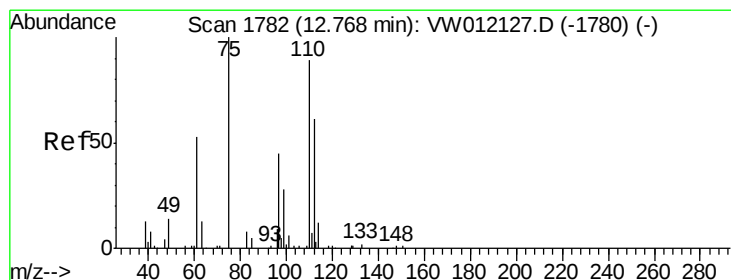
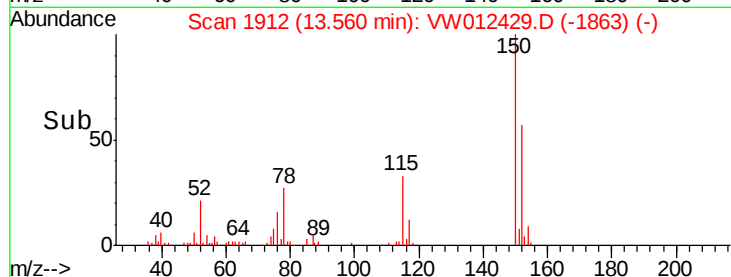
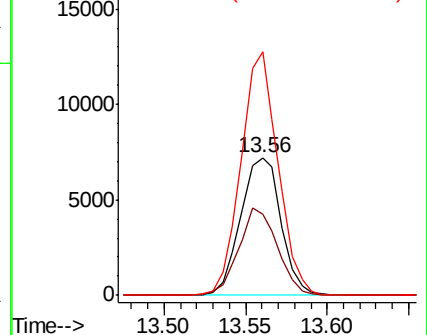
150 162.0 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 84.187 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012429.D

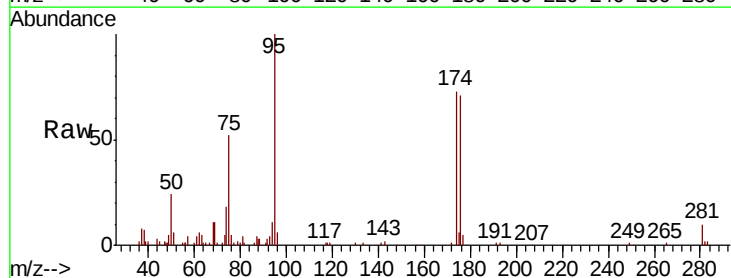
Acq: 01 Sep 2019 05:22

Tgt Ion: 75 Resp: 10208

Ion Ratio Lower Upper

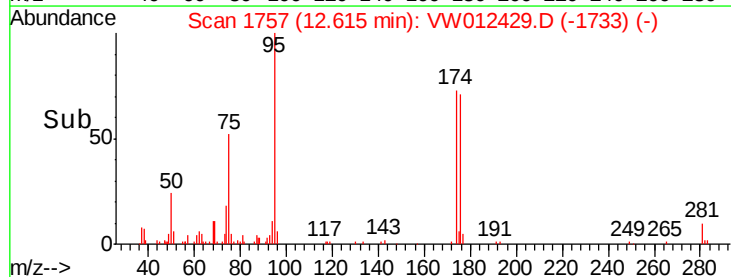
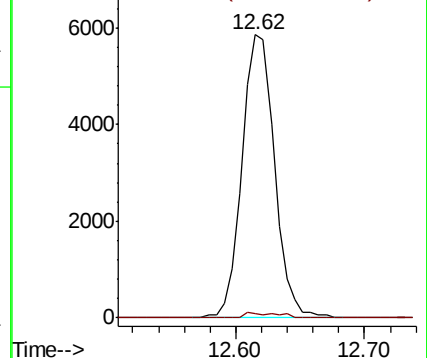
75 100

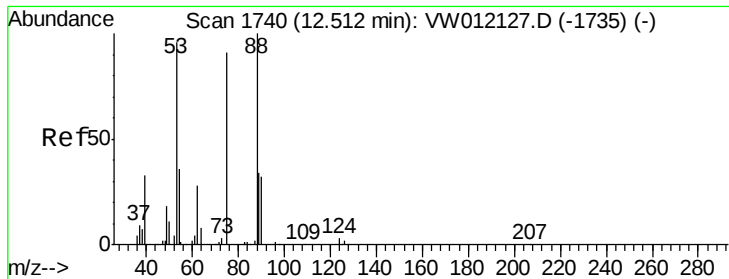
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

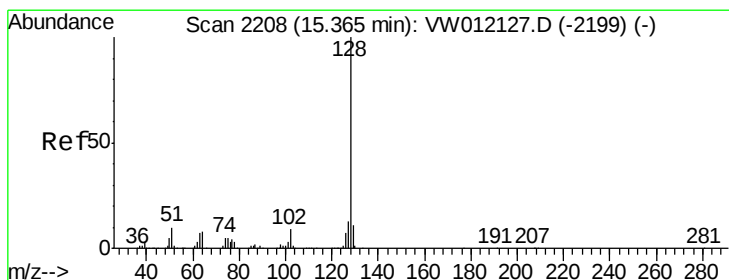
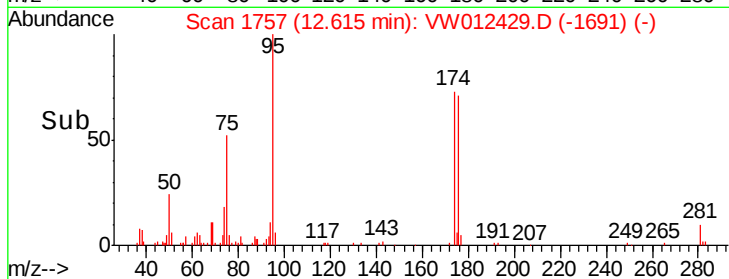
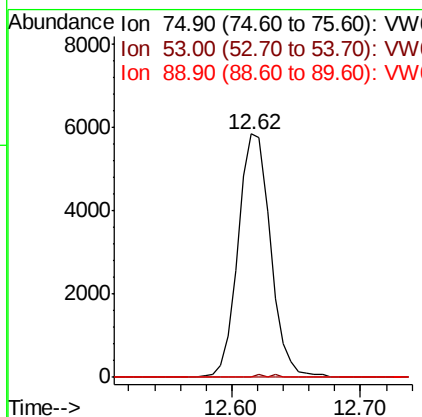
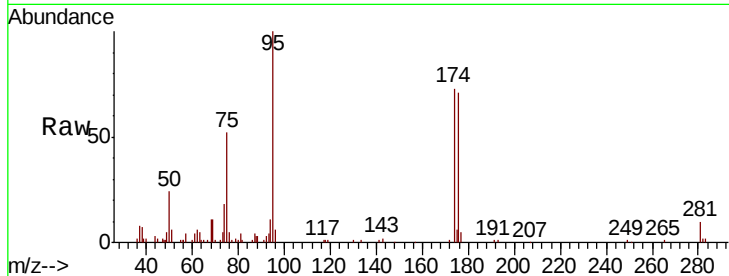




#81
trans-1,4-Dichloro-2-butene
Concen: 184.583 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

Instrument :
MSVOA_W
ClientSampleId :
T1-S-B4-(2.5)

Tgt Ion: 75 Resp: 10208
Ion Ratio Lower Upper
75 100
53 0.5 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.453 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012429.D
Acq: 01 Sep 2019 05:22

Tgt Ion: 128 Resp: 68
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

