

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012501.D
 Acq On : 02 Sep 2019 16:10
 Operator : SY/VA
 Sample : K4528-20RE
 Misc : 3.22G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T1-(0)

Quant Time: Sep 03 07:40:08 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

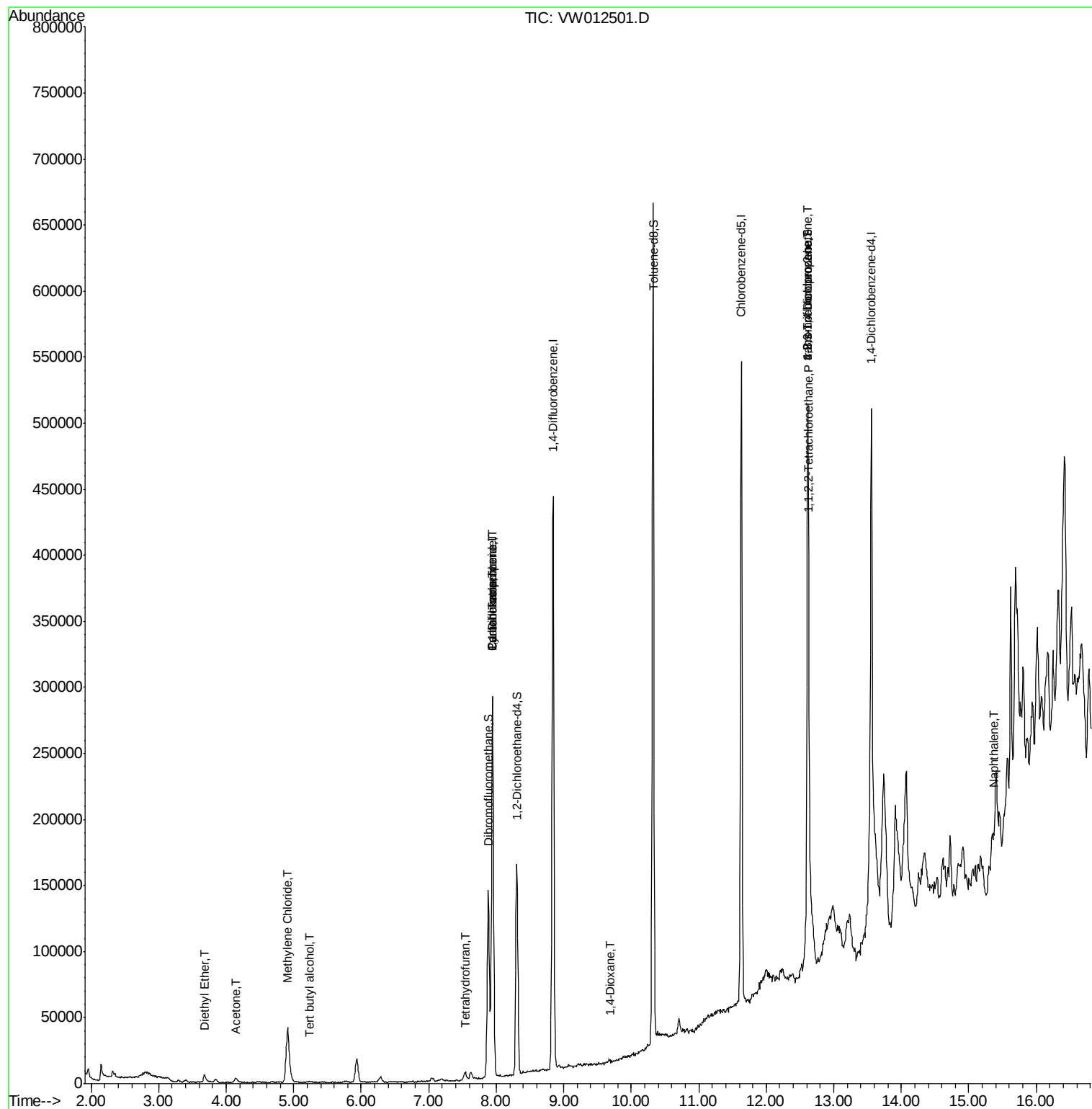
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87652	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128412	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.88	113	101865	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	10.32	98	407335	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	138624	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2795	2.392	ug/l	80
11) Tert butyl alcohol	5.23	59	2086	13.885	ug/l #	83
16) Acetone	4.14	43	7216	11.308	ug/l	96
20) Methylene Chloride	4.91	84	30819	12.775	ug/l	96
29) Tetrahydrofuran	7.55	42	4337	8.336	ug/l #	85
31) Cyclohexane	7.95	56	5485	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17465	4.892	ug/l #	53
38) Carbon Tetrachloride	7.95	117	21194	6.859	ug/l #	17
49) 1,4-Dioxane	9.68	88	23	1.287	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.63	83	25696	21.341	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	61253	71.753	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61253	157.320	ug/l #	6
95) Naphthalene	15.37	128	702	4.515	ug/l #	36

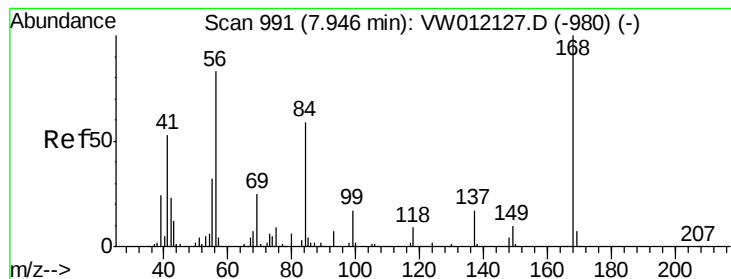
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012501.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

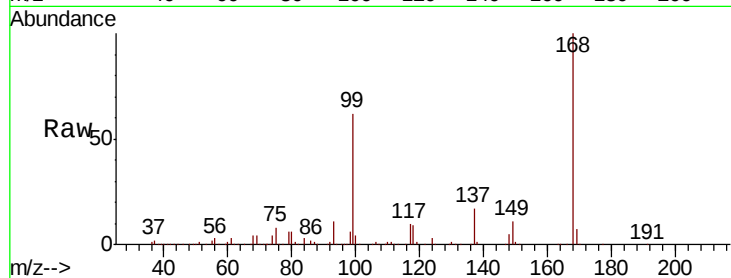
T9-12-13-T1-(0)

Tgt Ion:168 Resp: 210001

Ion Ratio Lower Upper

168 100

99 61.7 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

100000

80000

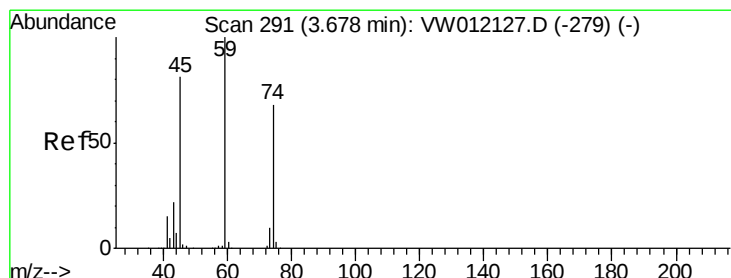
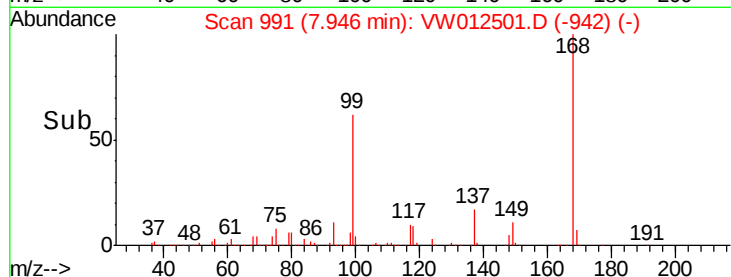
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.392 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012501.D

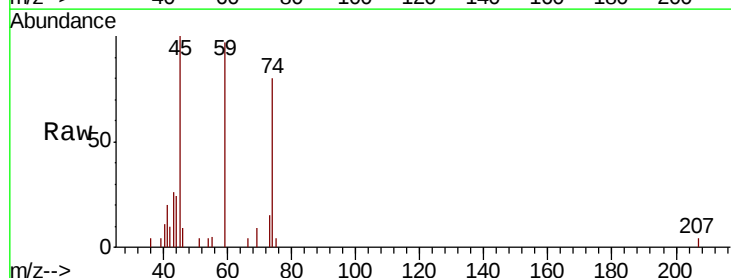
Acq: 02 Sep 2019 16:10

Tgt Ion: 74 Resp: 2795

Ion Ratio Lower Upper

74 100

45 140.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

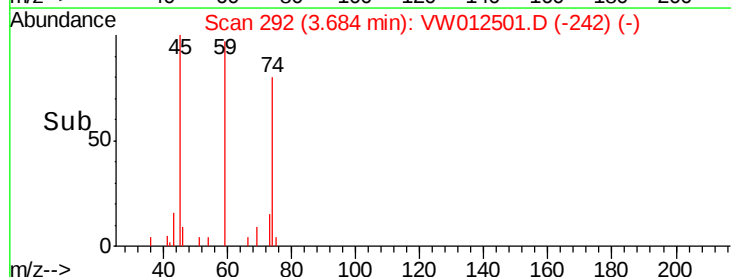
1500

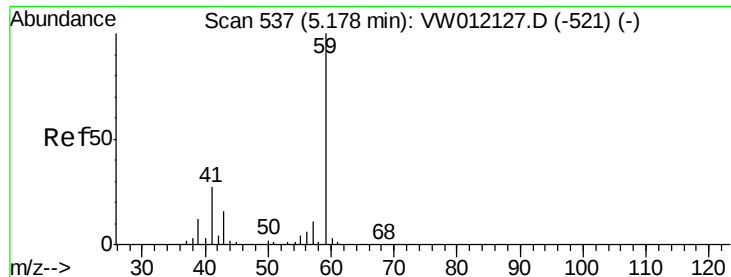
1000

500

0

Time-->

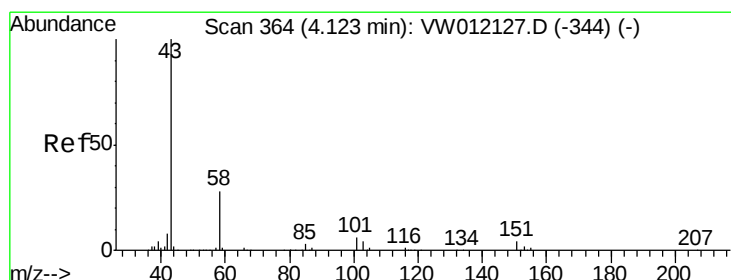
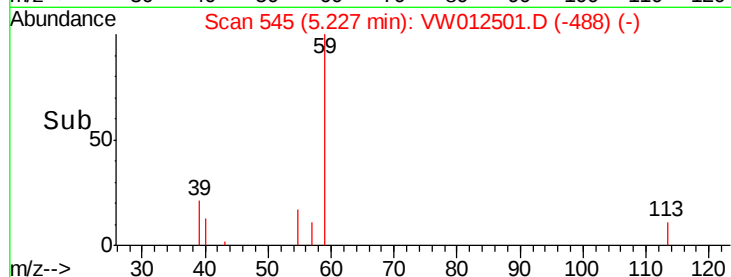
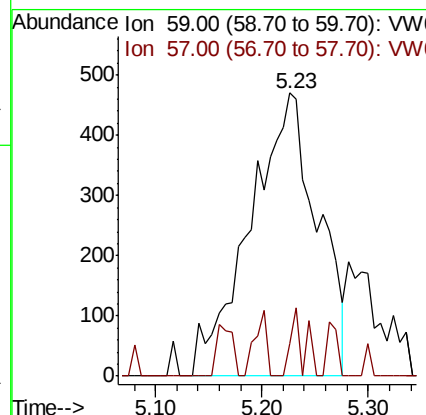
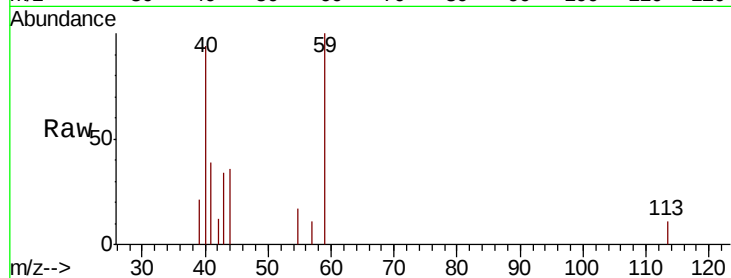




#11
Tert butyl alcohol
Concen: 13.885 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.05 min
Lab File: VW012501.D
Acq: 02 Sep 2019 16:10

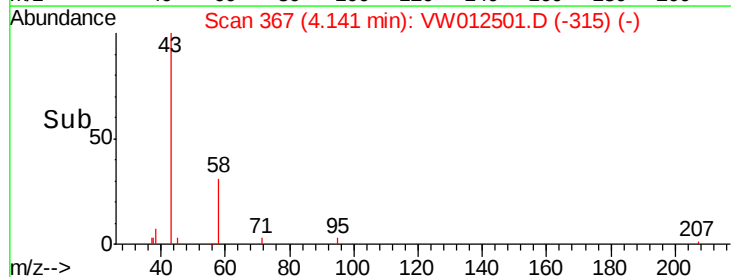
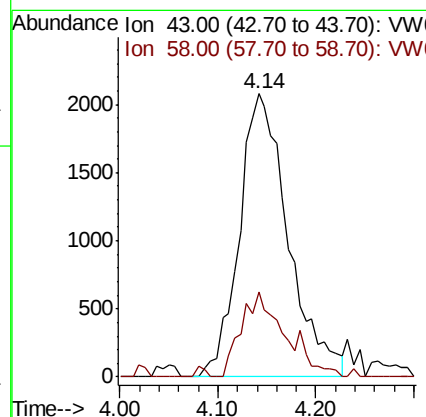
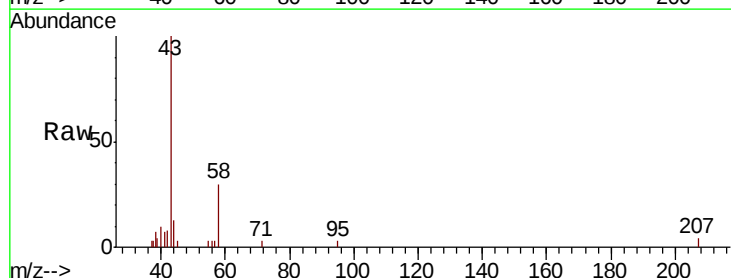
Instrument :
MSVOA_W
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T9-12-13-T1-(0)

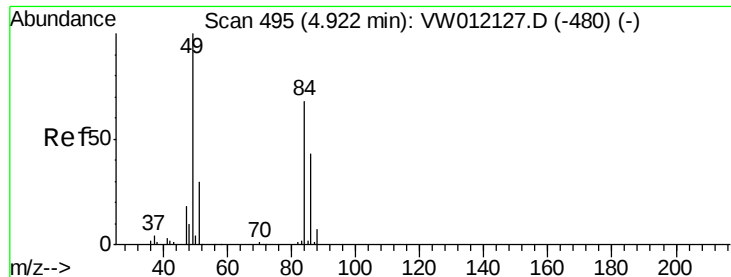
Tgt Ion: 59 Resp: 2086
Ion Ratio Lower Upper
59 100
57 4.6 9.0 13.4#



#16
Acetone
Concen: 11.308 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012501.D
Acq: 02 Sep 2019 16:10

Tgt Ion: 43 Resp: 7216
Ion Ratio Lower Upper
43 100
58 30.0 22.4 33.6





#20

Methylene Chloride

Concen: 12.775 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012501.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T1-(0)

Tgt Ion: 84 Resp: 30819

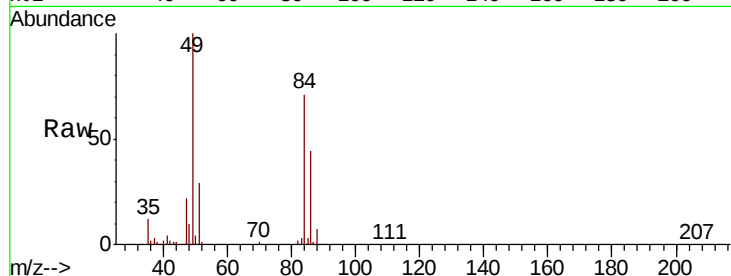
Ion Ratio Lower Upper

84 100

49 141.7 117.8 176.8

51 41.5 35.6 53.4

86 62.4 51.2 76.8

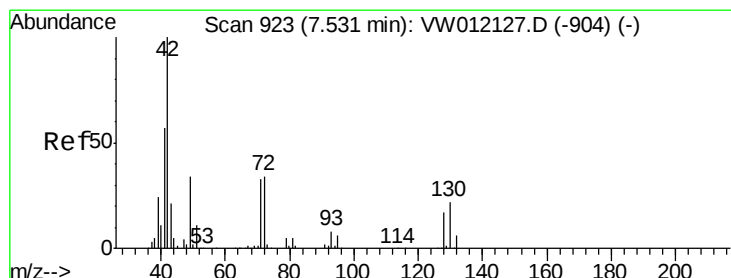
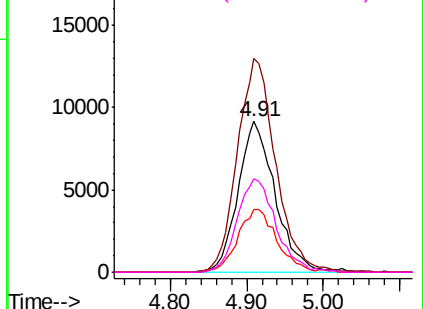
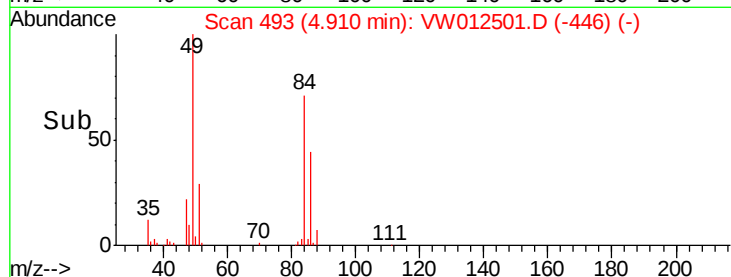


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 8.336 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW012501.D

Acq: 02 Sep 2019 16:10

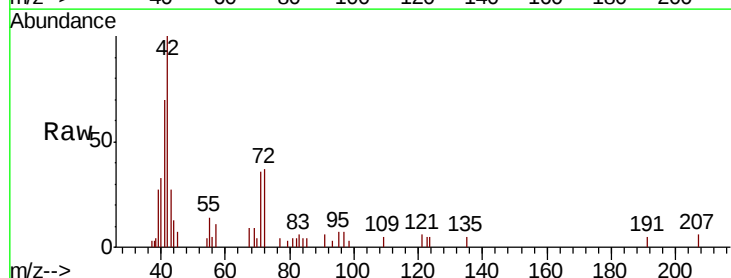
Tgt Ion: 42 Resp: 4337

Ion Ratio Lower Upper

42 100

72 39.0 27.3 40.9

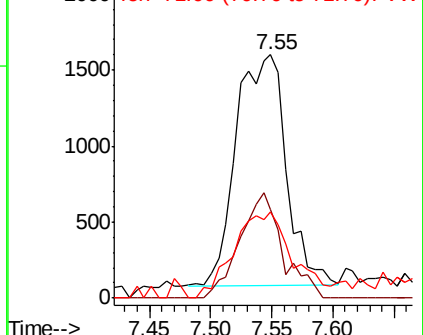
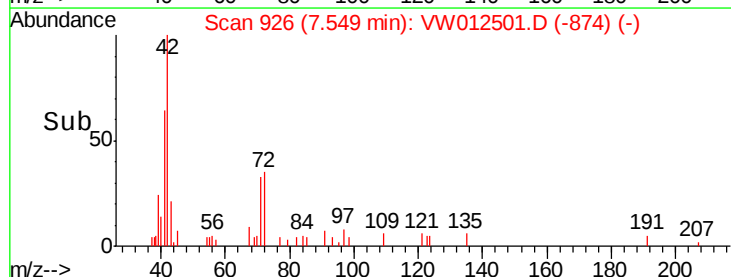
71 43.7 25.5 38.3#

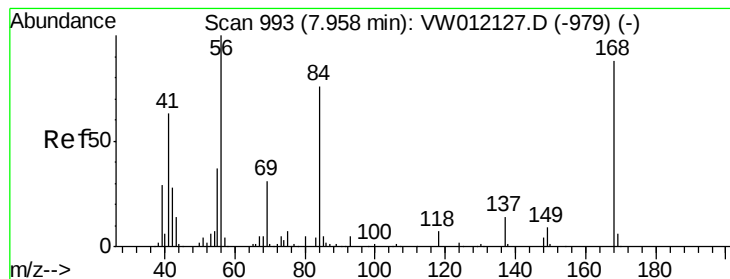


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012501.D

Acq: 02 Sep 2019 16:10

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MSVOA_W
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T9-12-13-T1-(0)

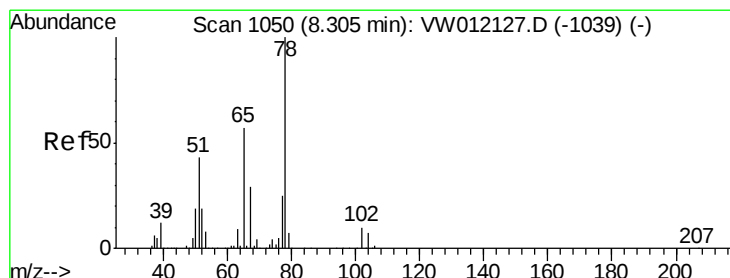
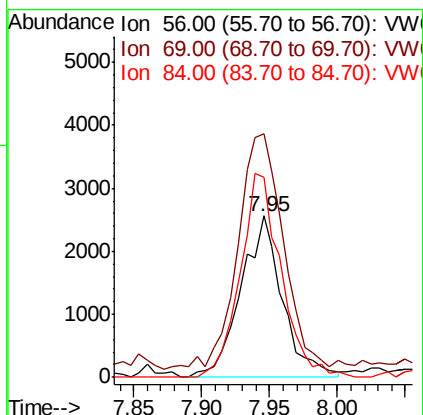
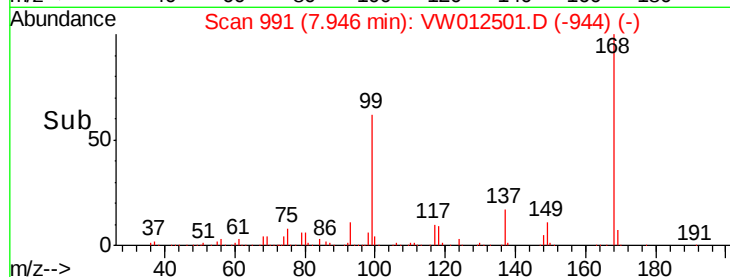
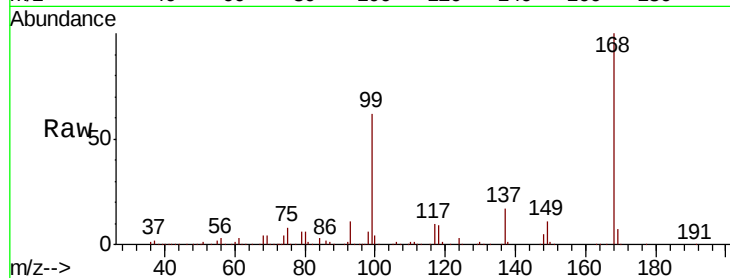
Tgt Ion: 56 Resp: 5485

Ion Ratio Lower Upper

56 100

69 143.8 24.9 37.3#

84 123.7 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 51.439 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012501.D

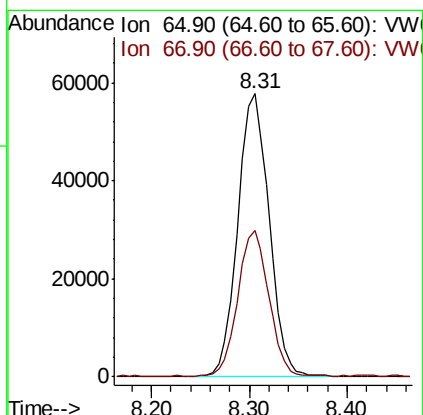
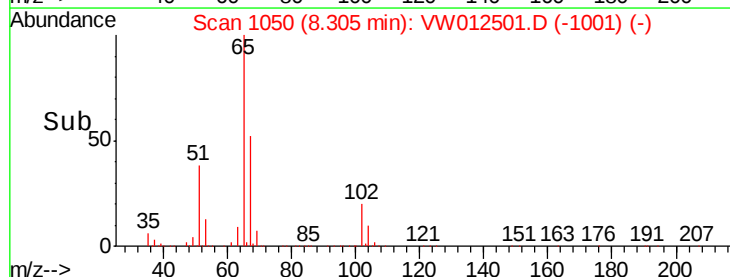
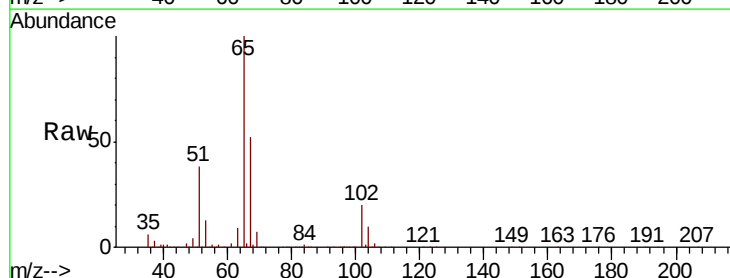
Acq: 02 Sep 2019 16:10

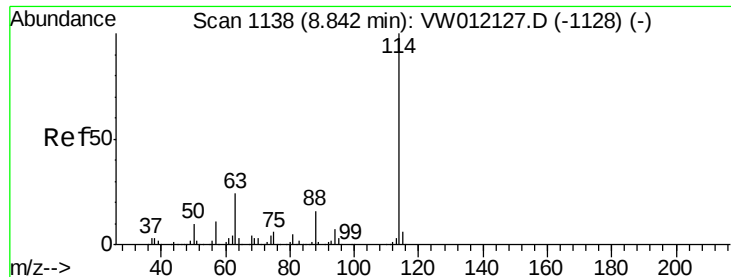
Tgt Ion: 65 Resp: 128412

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6

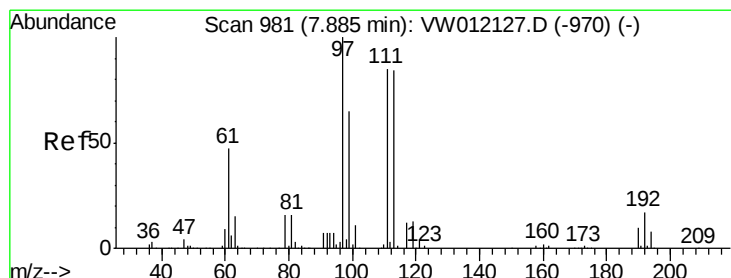
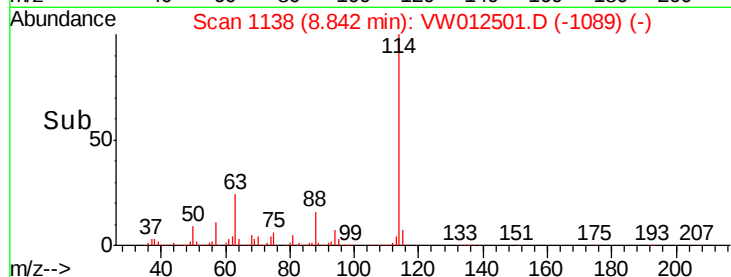
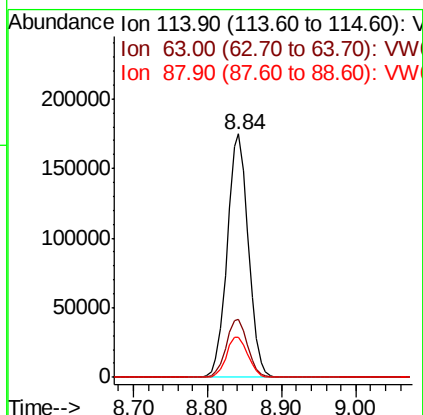
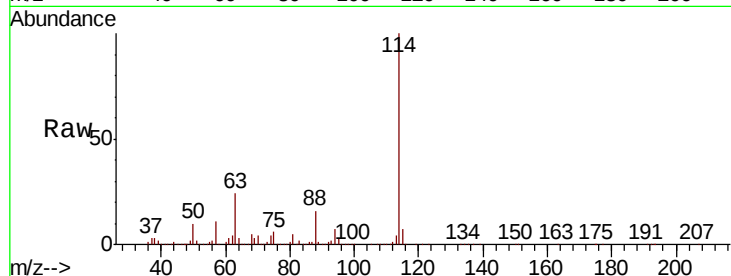




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012501.D
 Acq: 02 Sep 2019 16:10

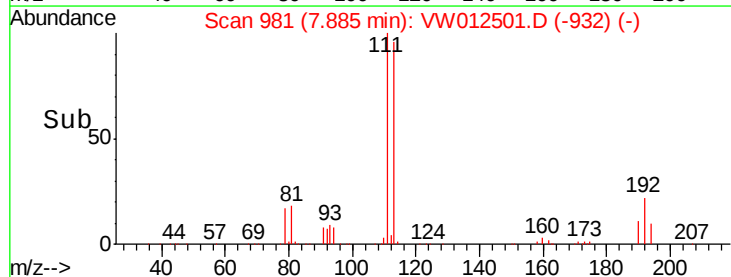
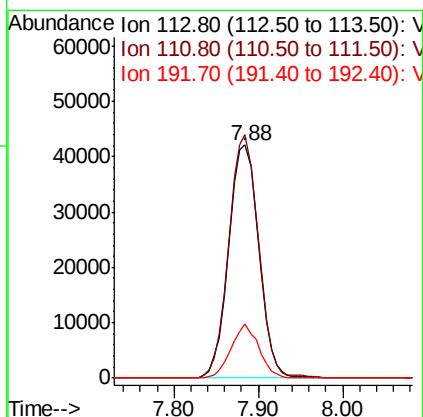
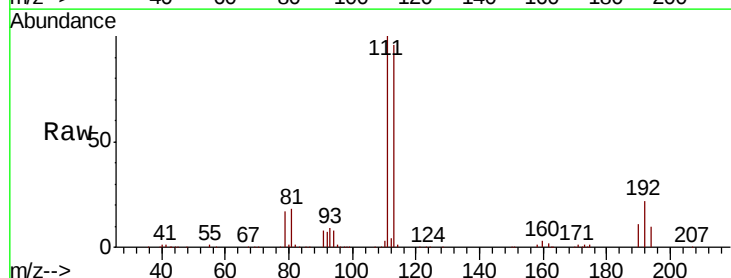
Instrument :
 MSVOA_W
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 T9-12-13-T1-(0)

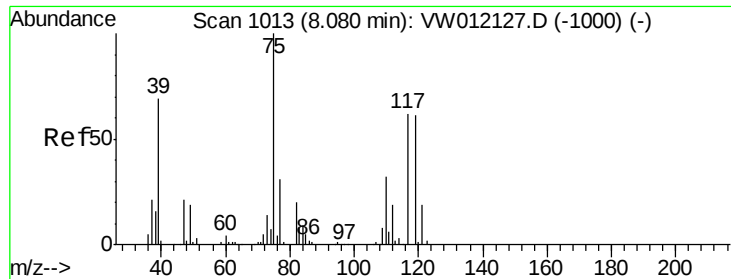
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	48.6
88	16.4	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 49.399 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012501.D
 Acq: 02 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	21.2	16.2	24.2

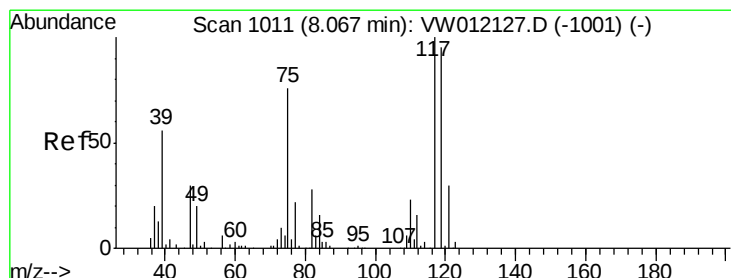
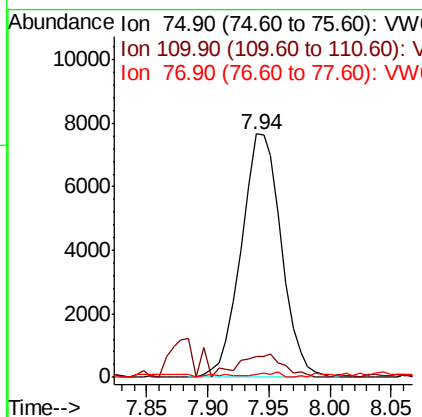
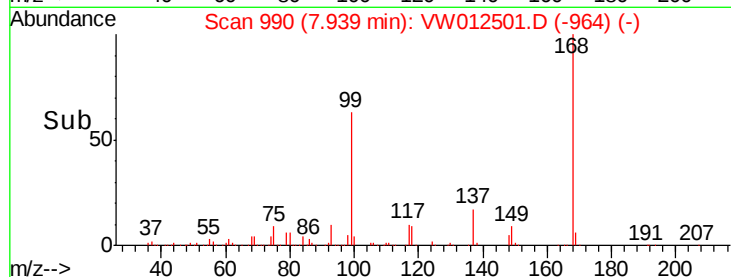
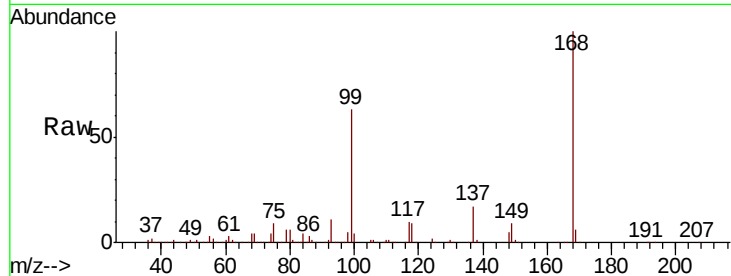




#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012501.D
 Acq: 02 Sep 2019 16:10

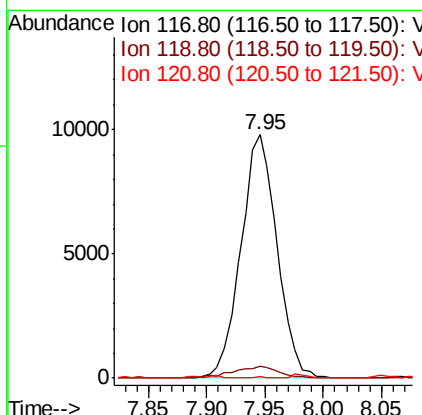
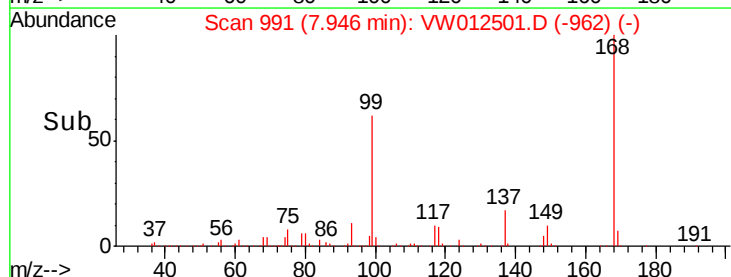
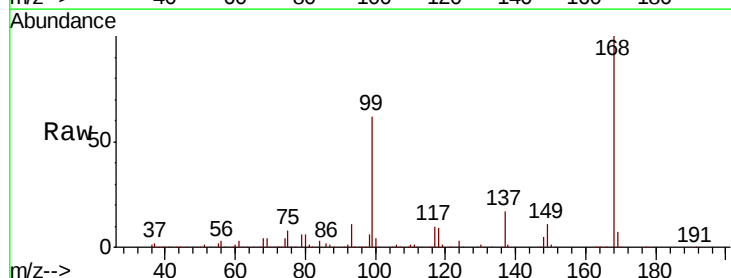
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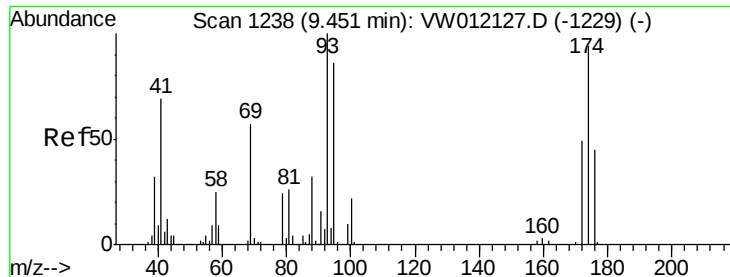
Tgt Ion: 75 Resp: 17465
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.8#
 77 1.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.859 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012501.D
 Acq: 02 Sep 2019 16:10

Tgt Ion: 117 Resp: 21194
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.7 23.8 35.8#

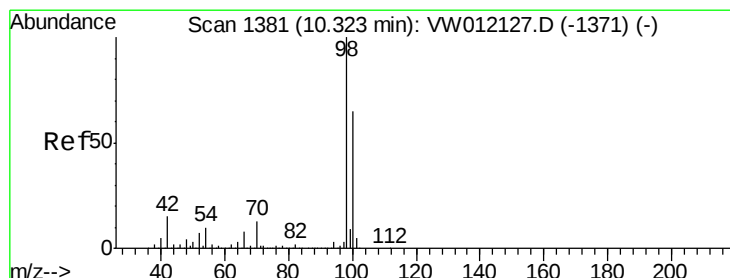
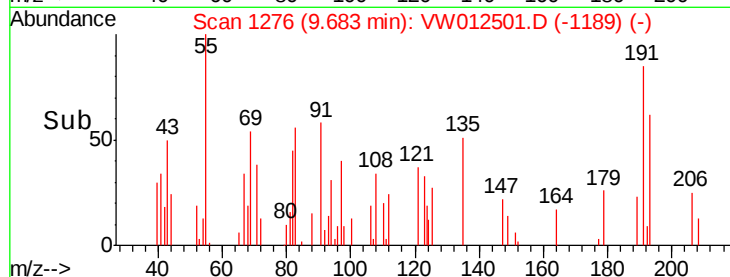
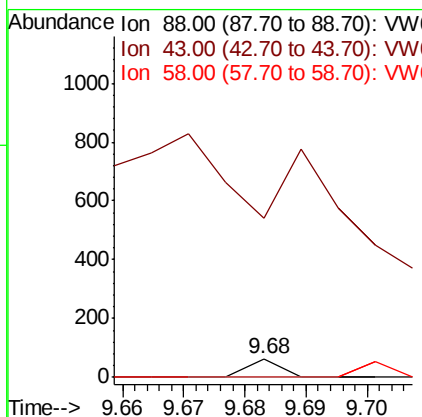
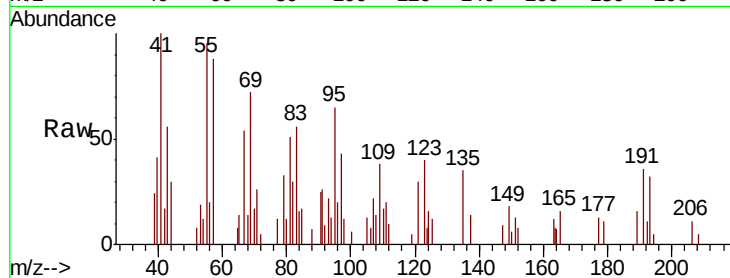




#49
1,4-Dioxane
Concen: 1.287 ug/l
RT: 9.68 min Scan# 1276
Delta R.T. 0.23 min
Lab File: VW012501.D
Acq: 02 Sep 2019 16:10

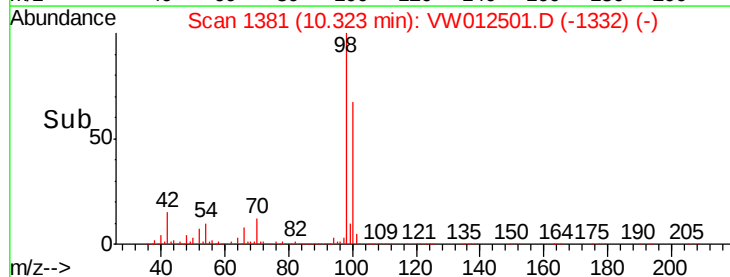
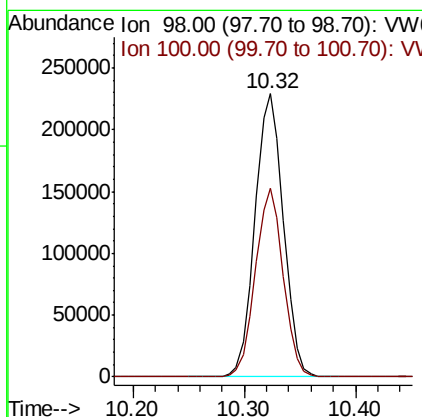
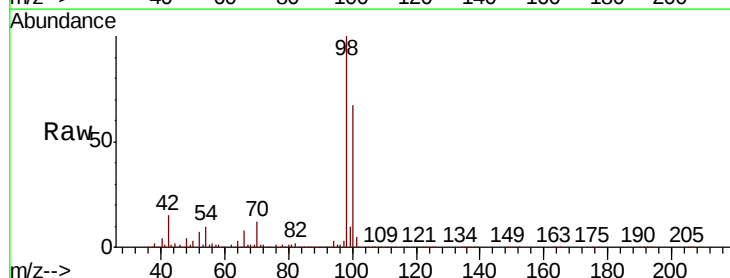
Instrument :
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ClientSampleId :
T9-12-13-T1-(0)

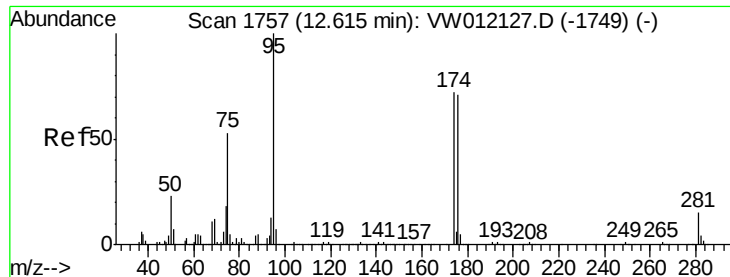
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1952.2 32.9 49.3#
58 0.0 71.0 106.4#



#50
Toluene-d8
Concen: 48.717 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012501.D
Acq: 02 Sep 2019 16:10

Tgt Ion: 98 Resp: 407335
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 47.034 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012501.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T1-(0)

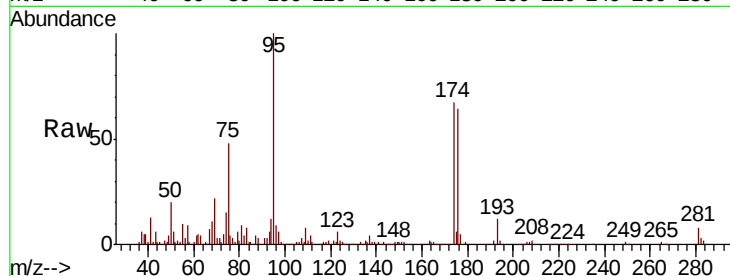
Tgt Ion: 95 Resp: 138624

Ion Ratio Lower Upper

95 100

174 64.5 0.0 150.8

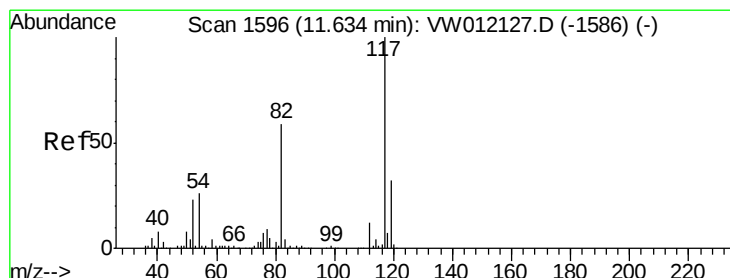
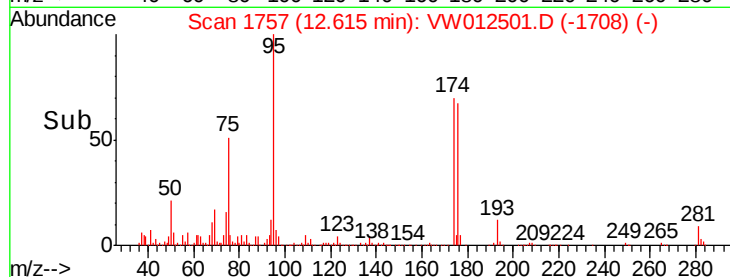
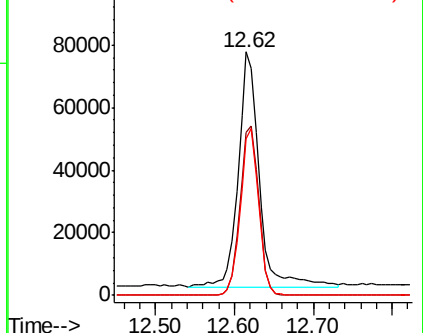
176 61.8 0.0 148.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW012501.D

Acq: 02 Sep 2019 16:10

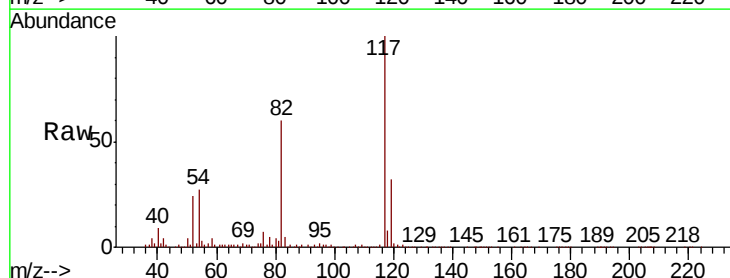
Tgt Ion: 117 Resp: 263240

Ion Ratio Lower Upper

117 100

82 59.5 47.4 71.2

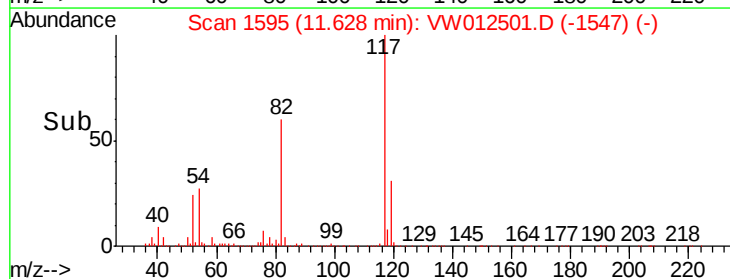
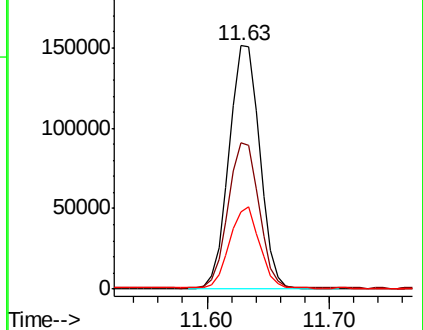
119 31.3 25.4 38.2

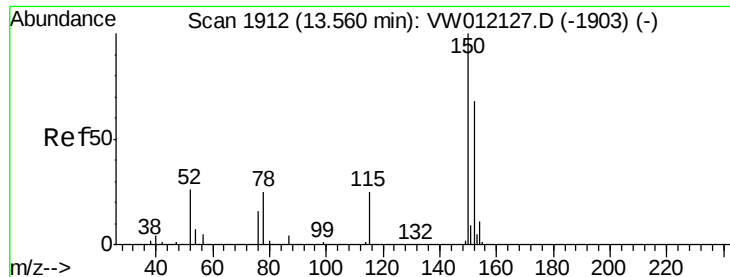


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012501.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T1-(0)

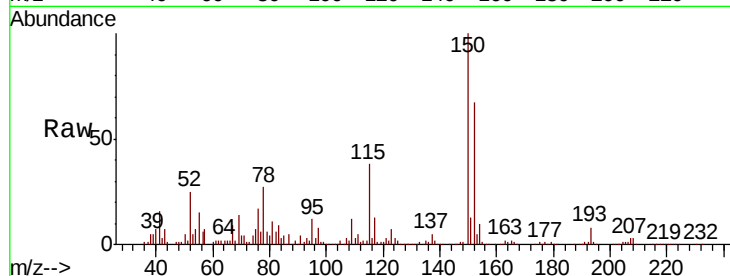
Tgt Ion:152 Resp: 87652

Ion Ratio Lower Upper

152 100

115 56.0 30.1 90.3

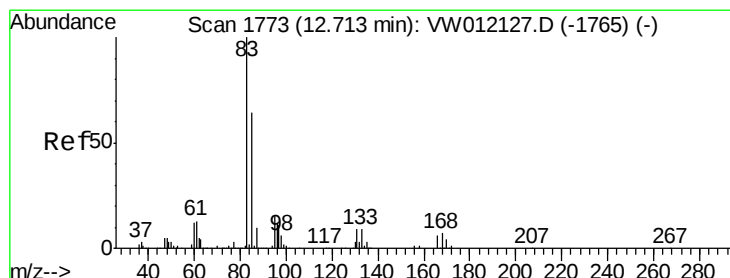
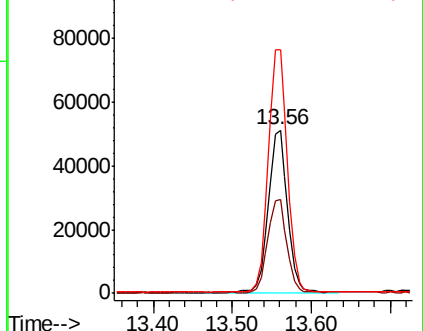
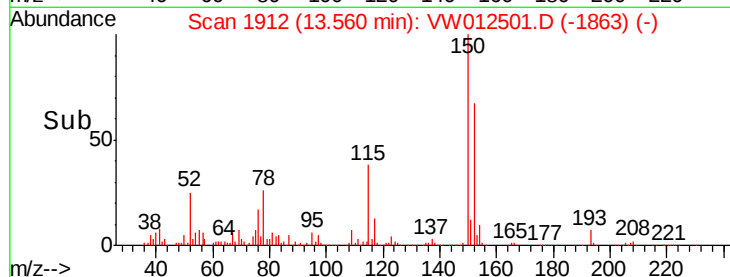
150 144.9 0.0 345.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 21.341 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. -0.08 min

Lab File: VW012501.D

Acq: 02 Sep 2019 16:10

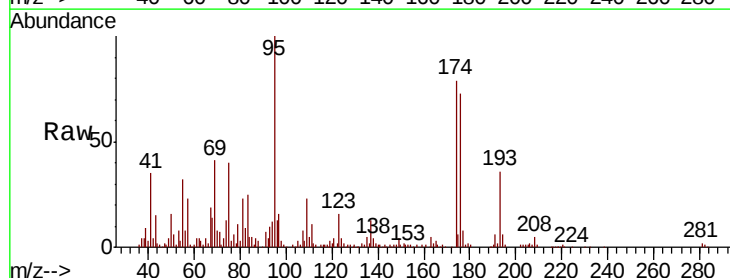
Tgt Ion: 83 Resp: 25696

Ion Ratio Lower Upper

83 100

131 2.1 4.9 14.7#

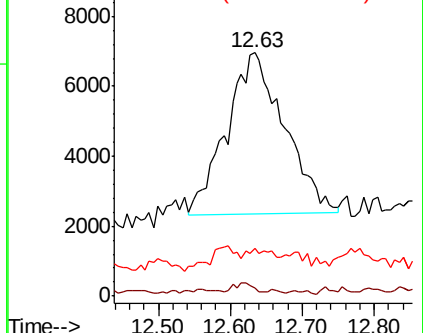
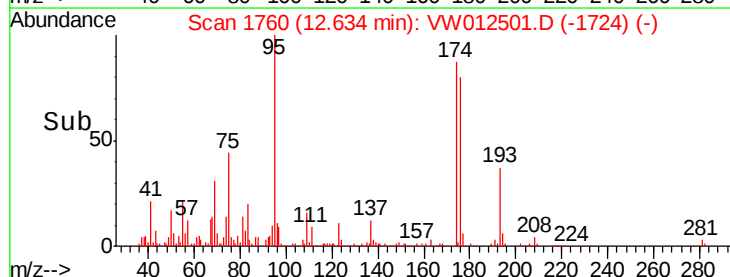
85 2.6 31.9 95.7#

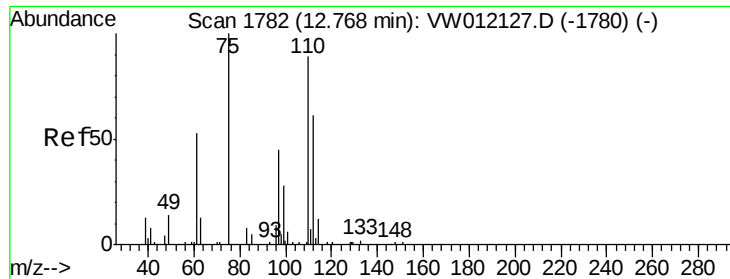


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

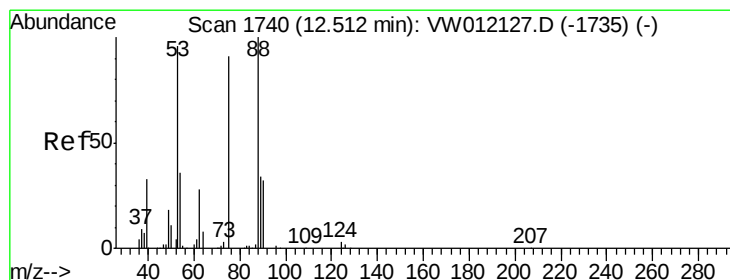
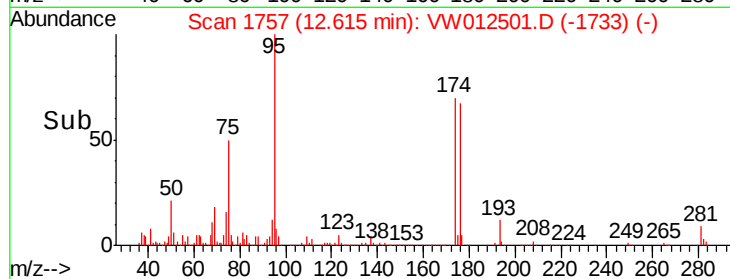
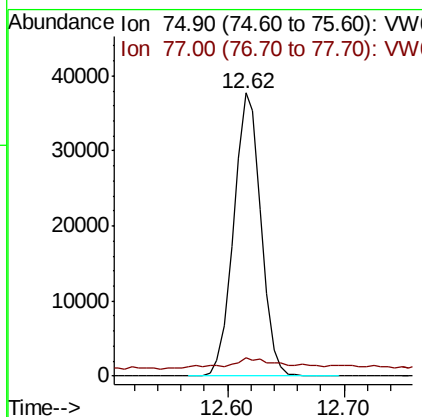
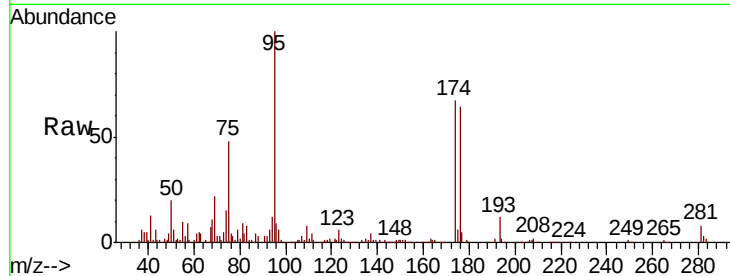




#76
 1,2,3-Trichloropropane
 Concen: 71.753 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012501.D
 Acq: 02 Sep 2019 16:10

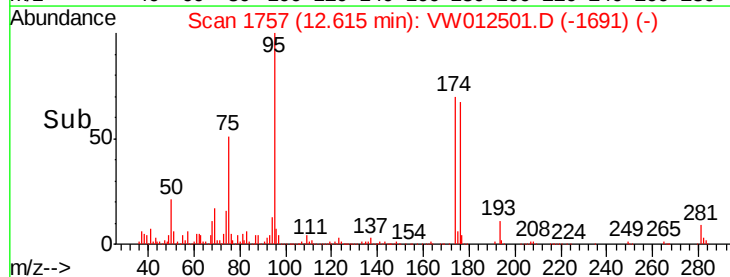
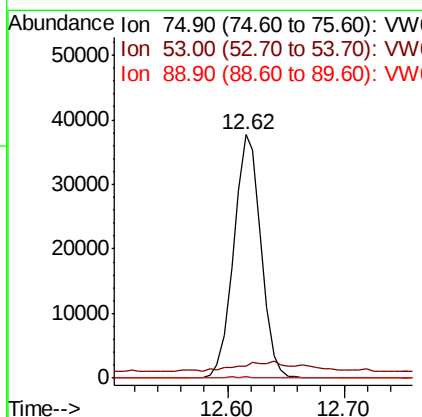
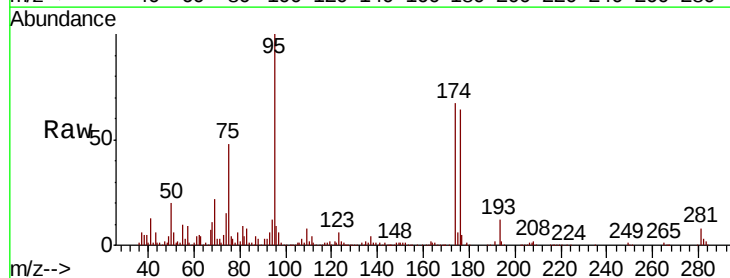
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T1-(0)

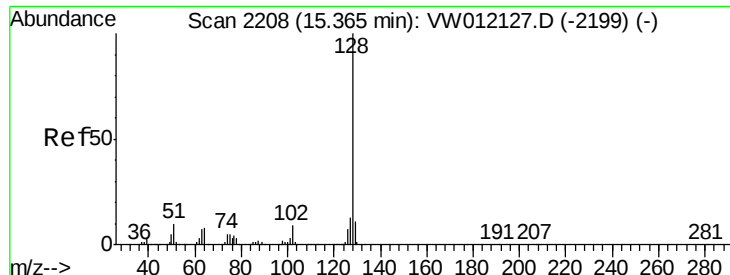
Tgt Ion: 75 Resp: 61253
 Ion Ratio Lower Upper
 75 100
 77 6.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.320 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012501.D
 Acq: 02 Sep 2019 16:10

Tgt Ion: 75 Resp: 61253
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.4 34.5 51.7#

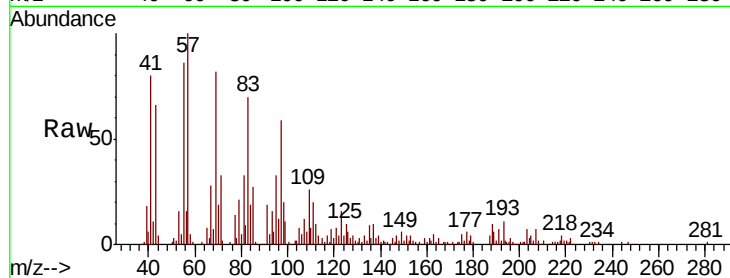




#95
Naphthalene
Concen: 4.515 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012501.D
Acq: 02 Sep 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T1-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	35.9	10.7	16.1#
129	38.9	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

