

Data File : VW008177.D
Acq On : 11 Jan 2019 05:33
Operator : SY/AP
Sample : K1099-21
Misc : 4.63G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-21

Quant Time: Jan 11 07:25:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	77799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	143763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	112839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	48830	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
35) Dibromofluoromethane	7.88	113	46261	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
50) Toluene-d8	10.32	98	179571	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	46185	36.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.22%	

Target Compounds

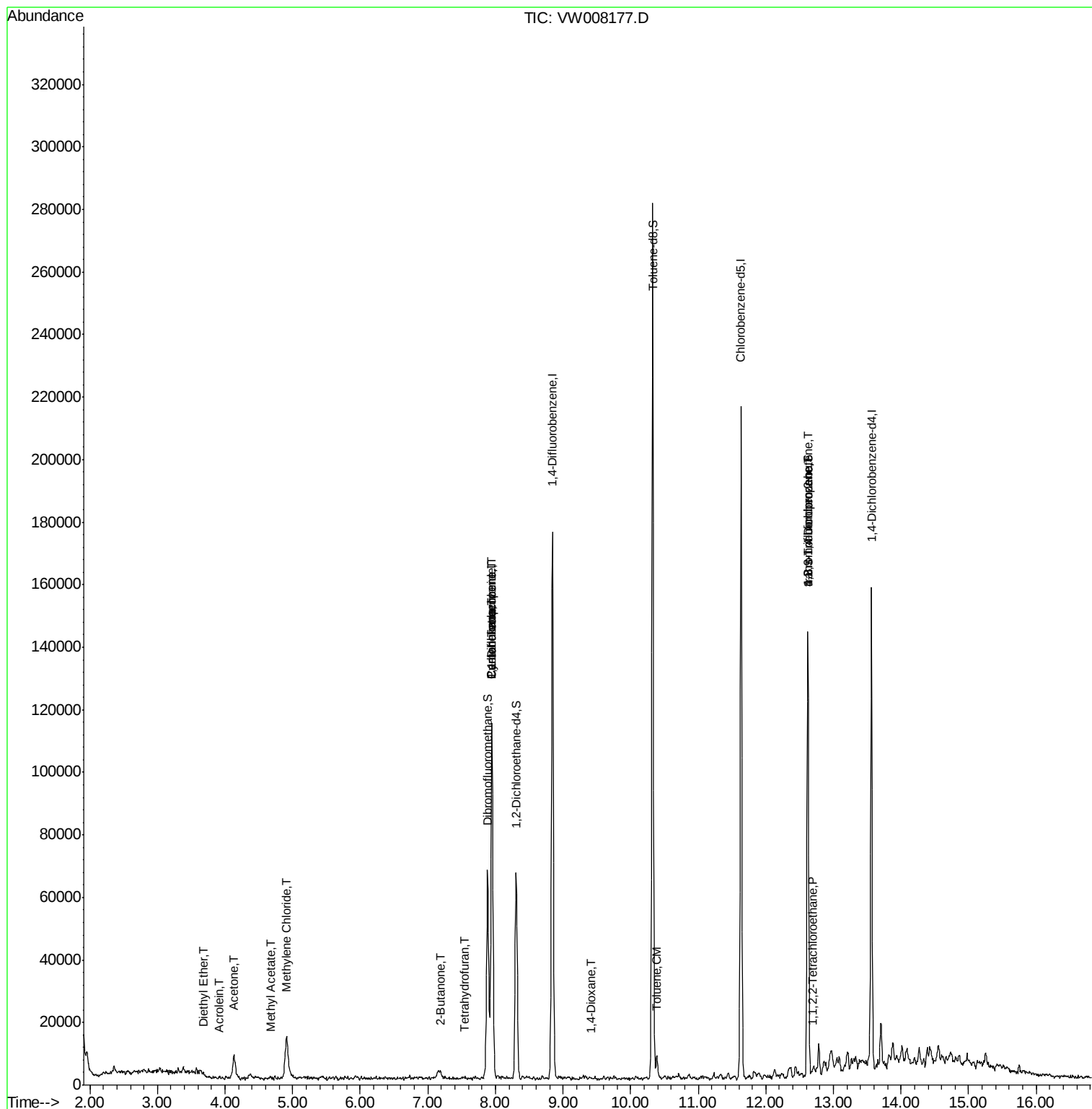
					Qvalue	
8) Diethyl Ether	3.68	74	891	1.803	ug/l	77
11) Tert butyl alcohol	5.24	59	48	Below	Cal	# 100
13) Acrolein	3.91	56	176	1.536	ug/l	# 65
16) Acetone	4.14	43	13213	68.732	ug/l	92
18) Methyl Acetate	4.68	43	797	1.442	ug/l	# 73
20) Methylene Chloride	4.91	84	9659	7.094	ug/l	94
25) 2-Butanone	7.18	43	3342	13.737	ug/l	# 89
29) Tetrahydrofuran	7.55	42	428	2.634	ug/l	# 66
31) Cyclohexane	7.95	56	2271	1.234	ug/l	# 54
36) 1,1-Dichloropropene	7.95	75	7106	4.798	ug/l	# 51
38) Carbon Tetrachloride	7.95	117	8436	6.224	ug/l	# 16
49) 1,4-Dioxane	9.42	88	22	2.797	ug/l	# 1
52) Toluene	10.39	92	2869	1.118	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.68	83	501	1.091	ug/l	# 73
76) 1,2,3-Trichloropropane	12.62	75	23386	70.218	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.62	75	23386	163.517	ug/l	# 11

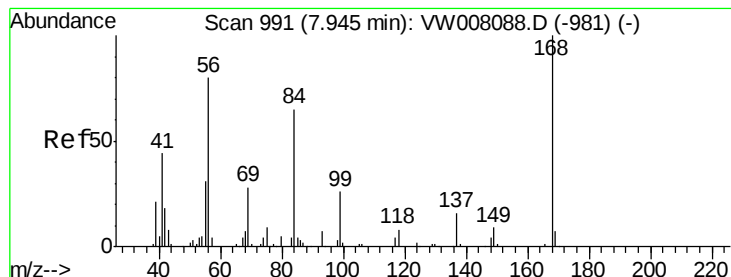
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008177.D

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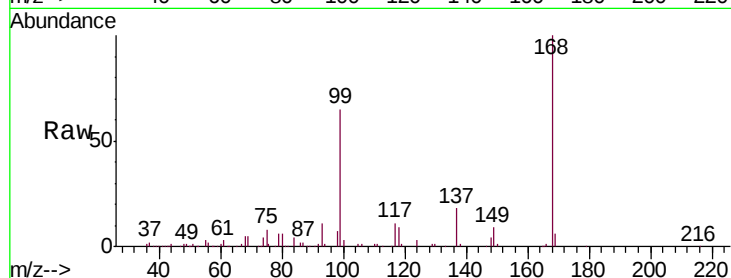
Instrument :
MSVOA_W
ClientSampled :
TP-21

Tgt Ion:168 Resp: 77799

Ion Ratio Lower Upper

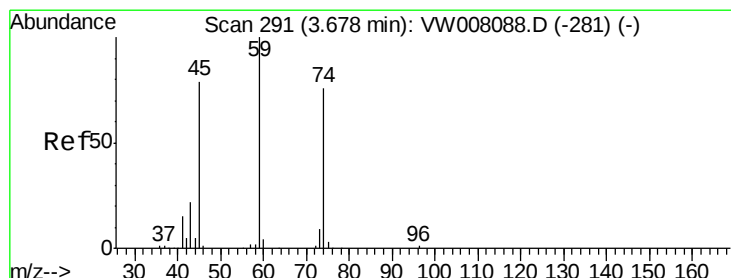
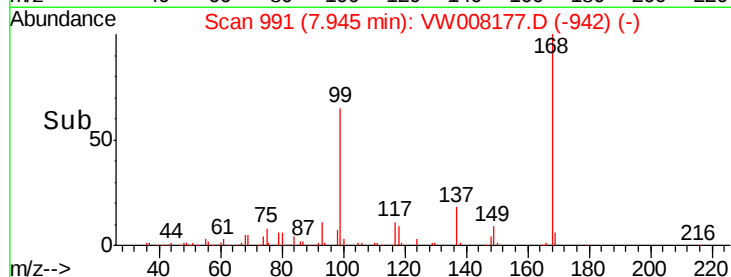
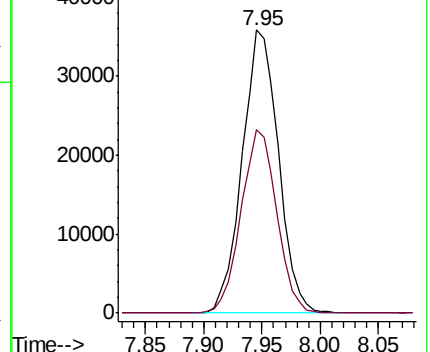
168 100

99 64.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.803 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW008177.D

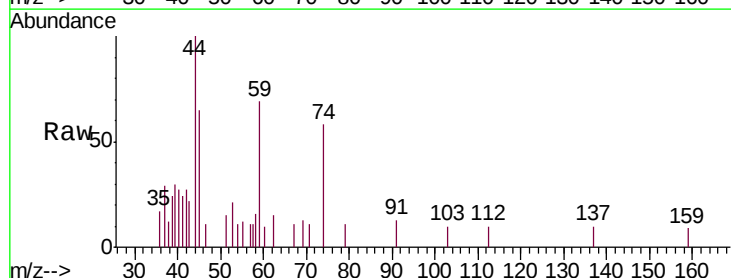
Acq: 11 Jan 2019 05:33

Tgt Ion: 74 Resp: 891

Ion Ratio Lower Upper

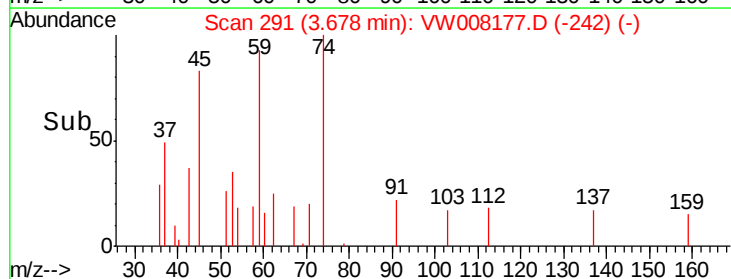
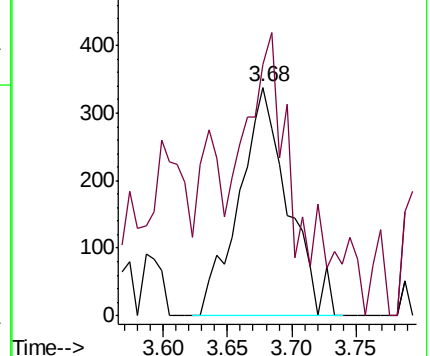
74 100

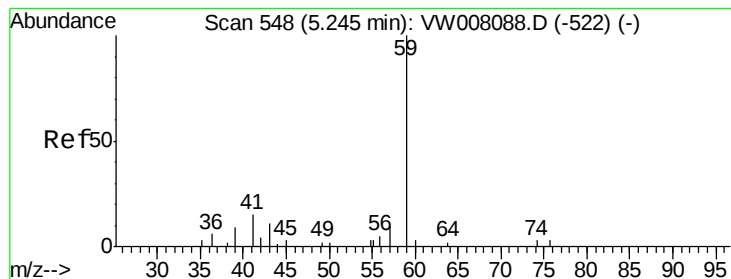
45 81.3 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



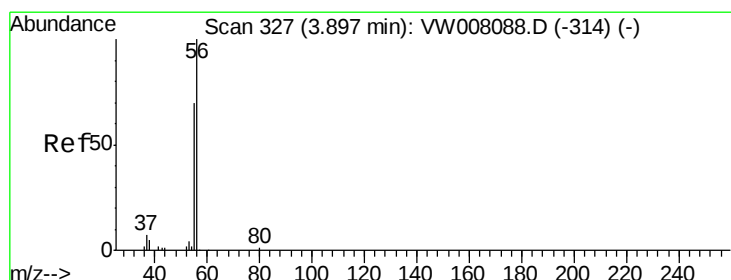
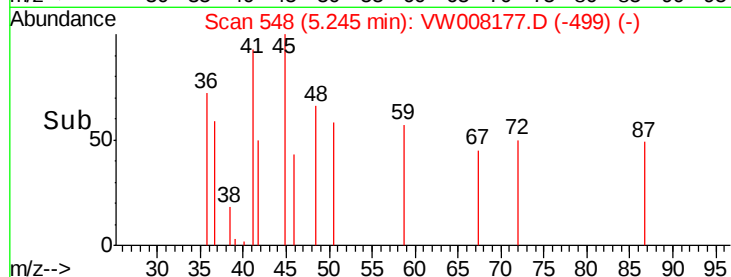
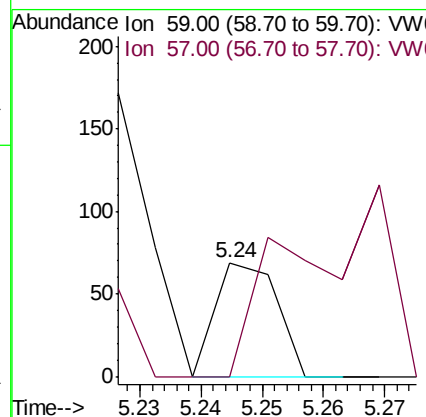
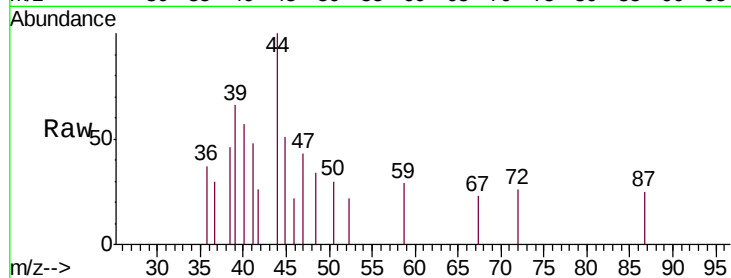


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VW008177.D
 Acq: 11 Jan 2019 05:33

Instrument :
 MSVOA_W
 ClientSampled :
 TP-21

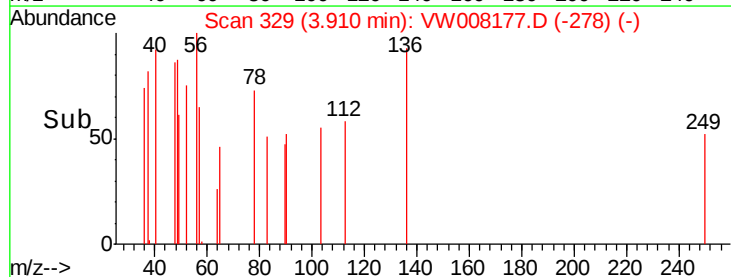
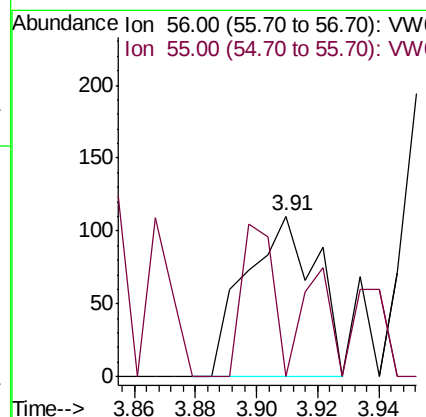
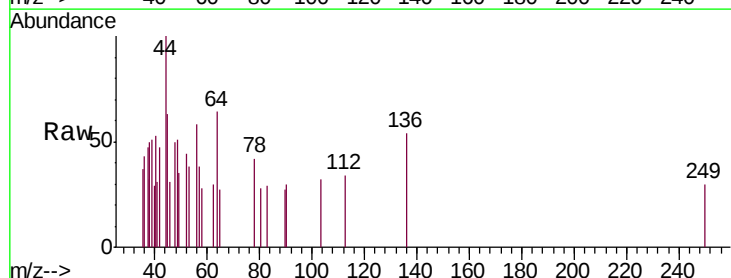
Tgt Ion: 59 Resp: 48
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

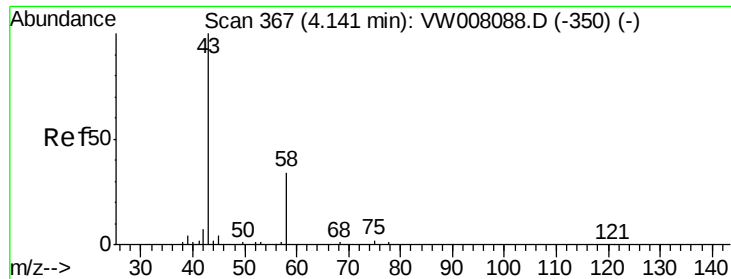


#13

Acrolein
 Concen: 1.536 ug/l
 RT: 3.91 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VW008177.D
 Acq: 11 Jan 2019 05:33

Tgt Ion: 56 Resp: 176
 Ion Ratio Lower Upper
 56 100
 55 42.0 56.6 84.8#





#16

Acetone

Concen: 68.732 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

Instrument :

MSVOA_W

ClientSampled :

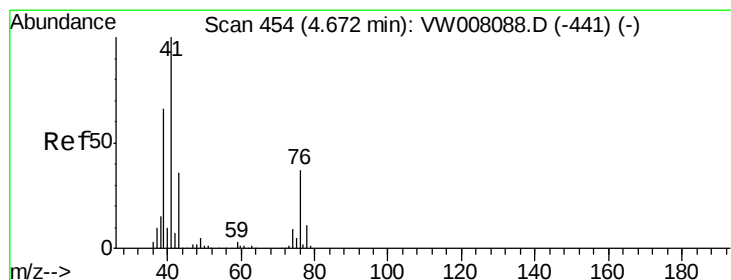
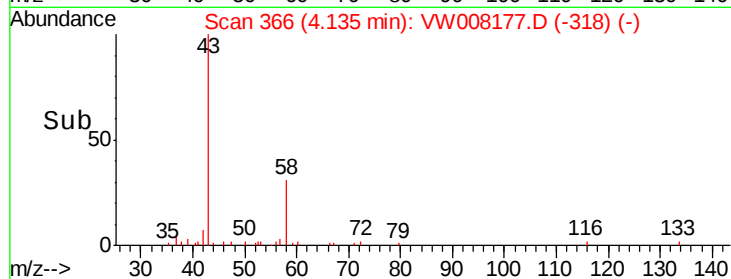
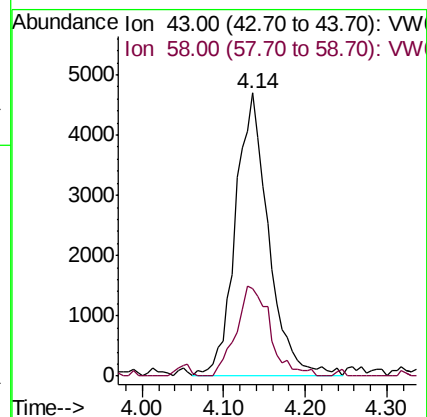
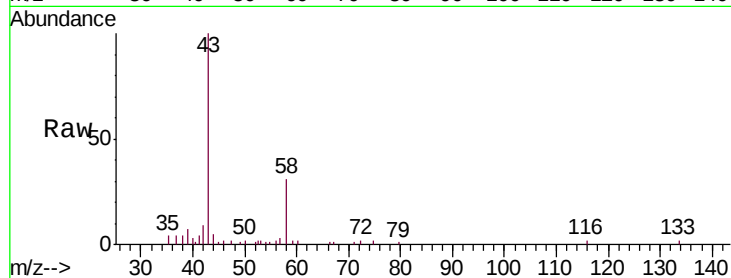
TP-21

Tgt Ion: 43 Resp: 13213

Ion Ratio Lower Upper

43 100

58 30.0 27.5 41.3



#18

Methyl Acetate

Concen: 1.442 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008177.D

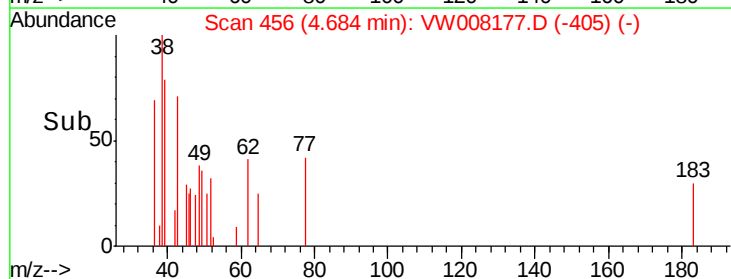
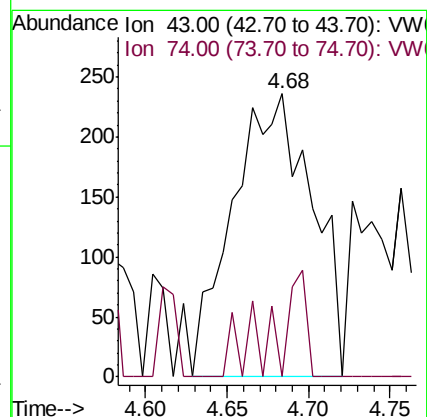
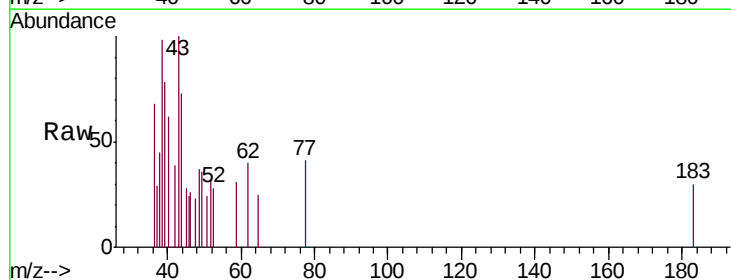
Acq: 11 Jan 2019 05:33

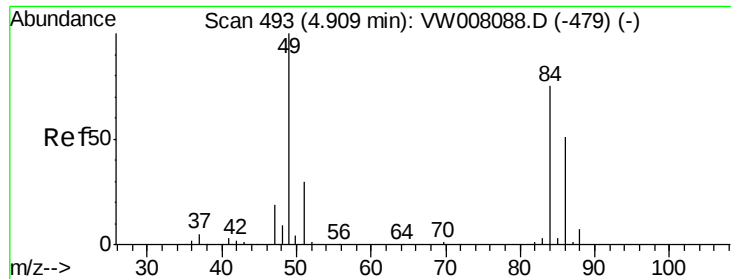
Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

43 100

74 10.3 19.0 28.4#

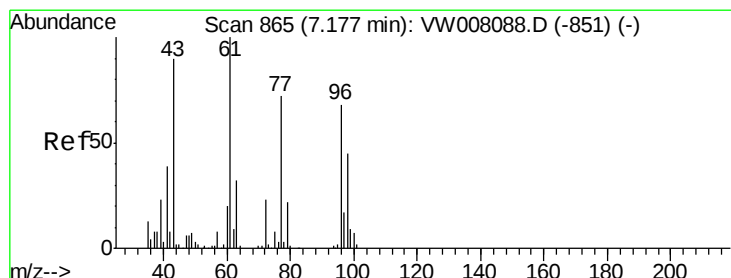
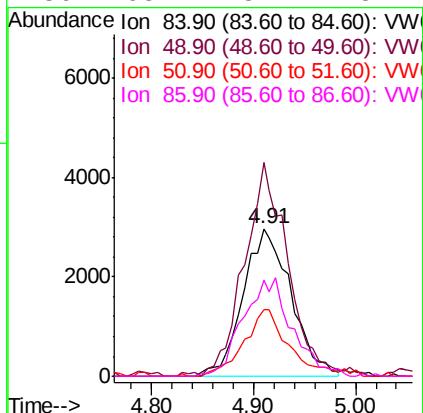
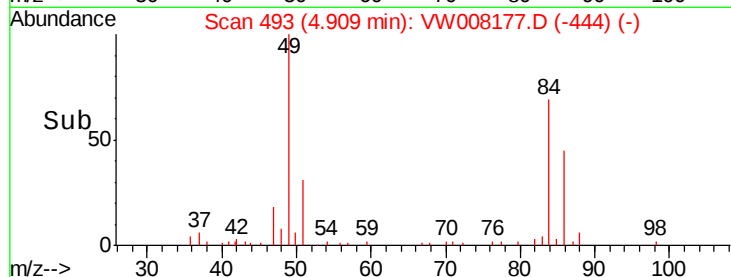
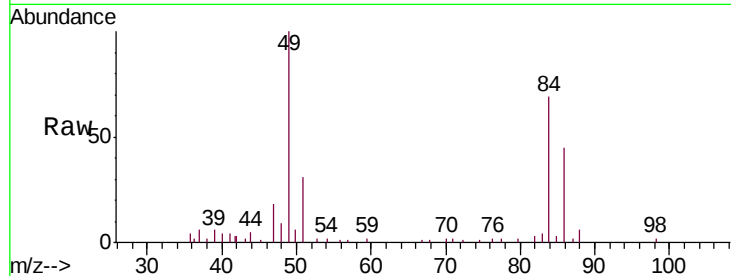




#20
Methylene Chloride
Concen: 7.094 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

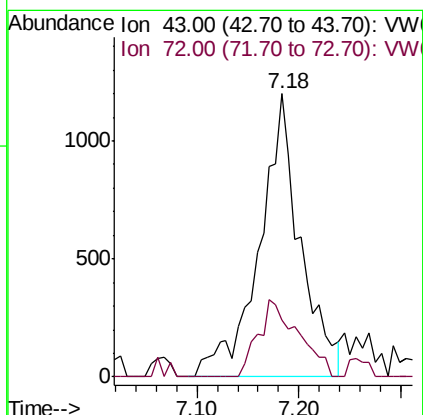
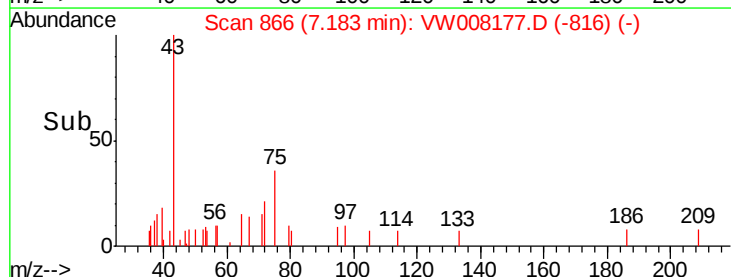
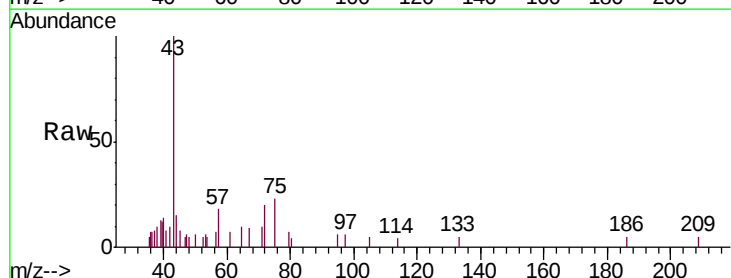
Instrument :
MSVOA_W
ClientSampleId :
TP-21

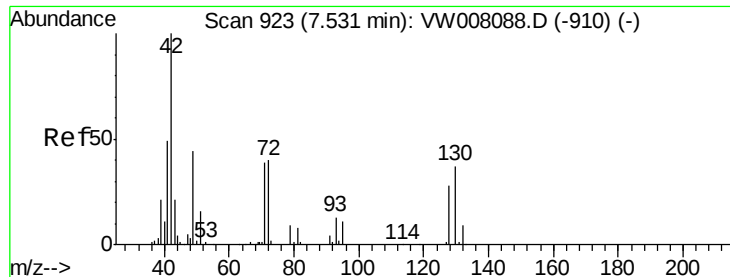
Tgt Ion: 84 Resp: 9659
Ion Ratio Lower Upper
84 100
49 143.3 107.1 160.7
51 44.9 32.4 48.6
86 65.1 54.2 81.4



#25
2-Butanone
Concen: 13.737 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

Tgt Ion: 43 Resp: 3342
Ion Ratio Lower Upper
43 100
72 20.0 20.5 30.7#

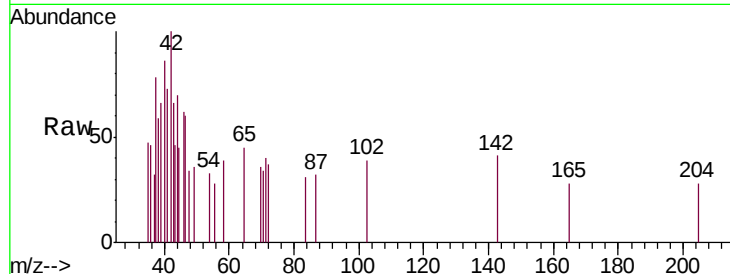




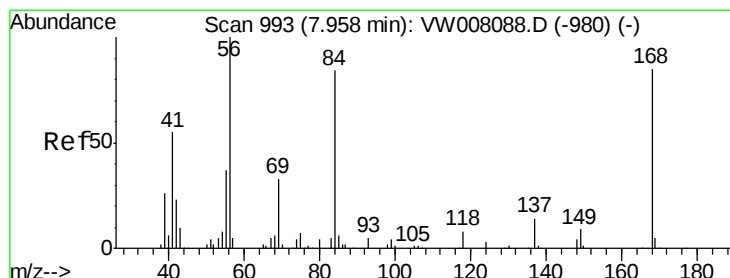
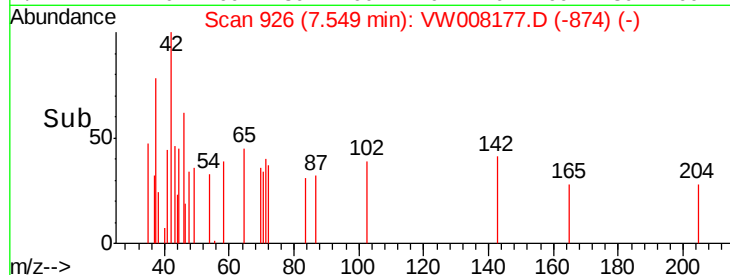
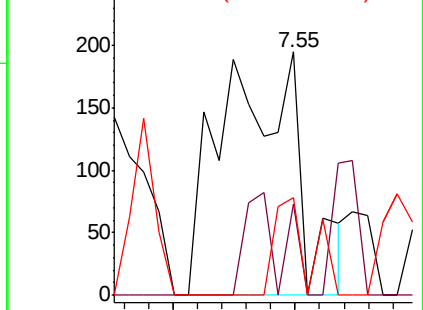
#29
Tetrahydrofuran
Concen: 2.634 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

Instrument :
MSVOA_W
ClientSampled :
TP-21

Tgt Ion: 42 Resp: 428
Ion Ratio Lower Upper
42 100
72 19.6 32.4 48.6#
71 18.0 31.3 46.9#

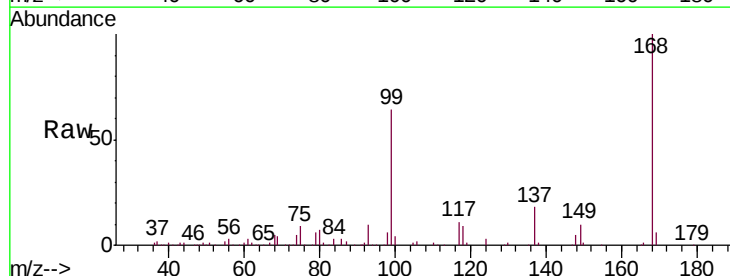


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

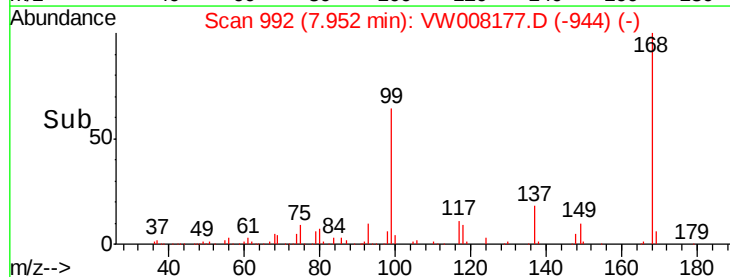
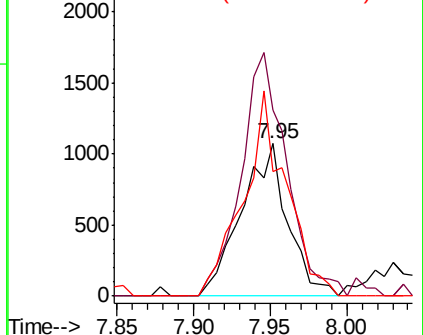


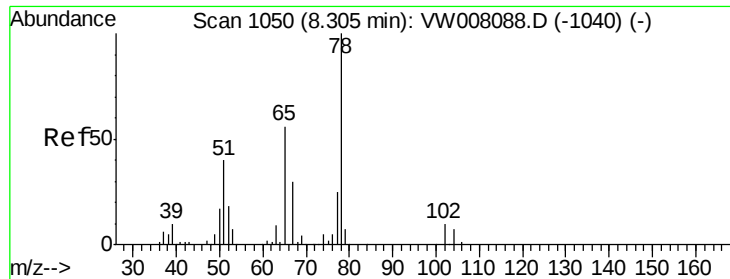
#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

Tgt Ion: 56 Resp: 2271
Ion Ratio Lower Upper
56 100
69 122.1 26.2 39.4#
84 82.2 67.4 101.2



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

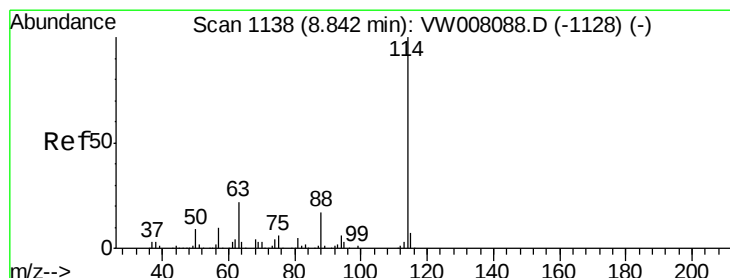
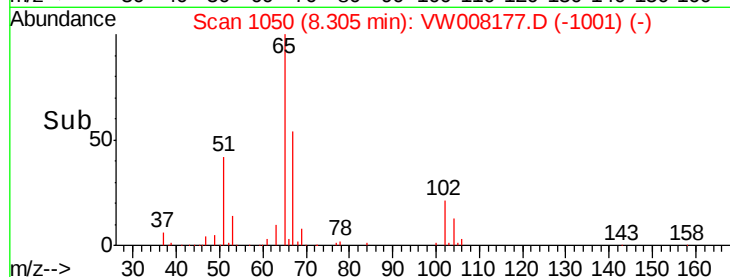
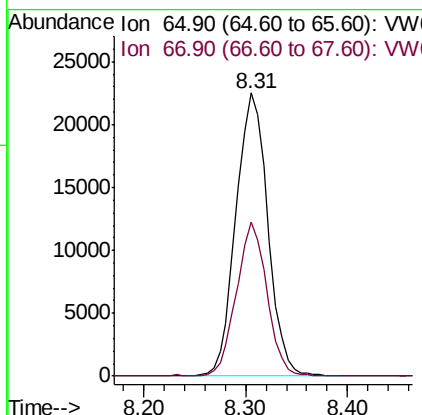
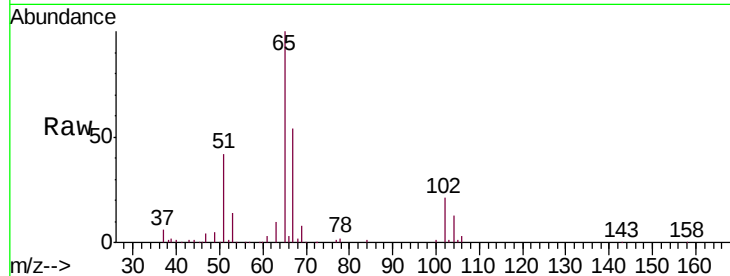




#33
 1,2-Dichloroethane-d4
 Concen: 55.844 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008177.D
 Acq: 11 Jan 2019 05:33

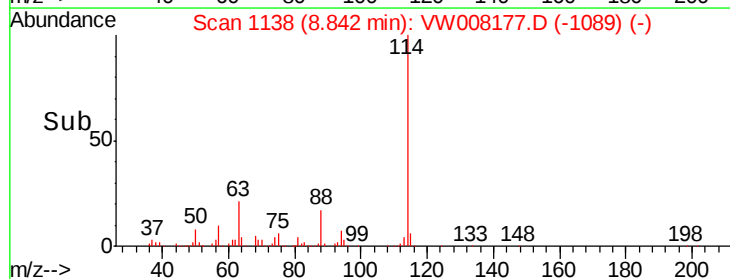
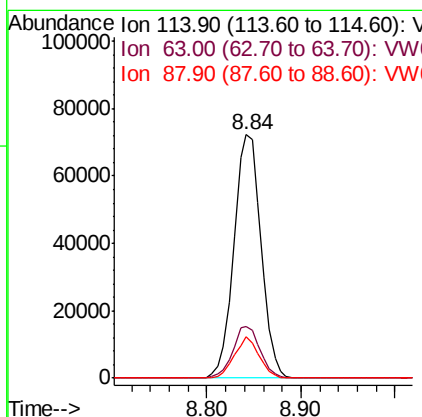
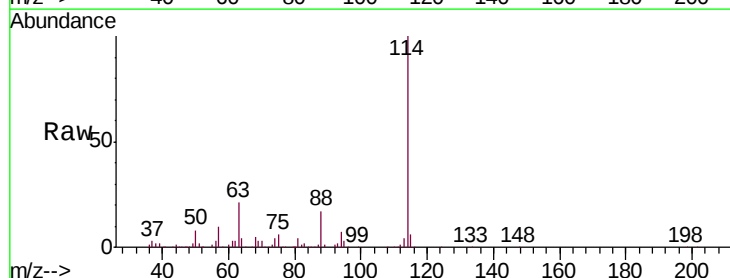
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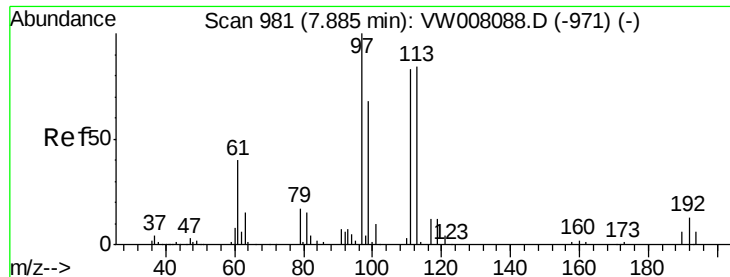
Tgt Ion: 65 Resp: 48830
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008177.D
 Acq: 11 Jan 2019 05:33

Tgt Ion: 114 Resp: 143763
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.7 0.0 33.4

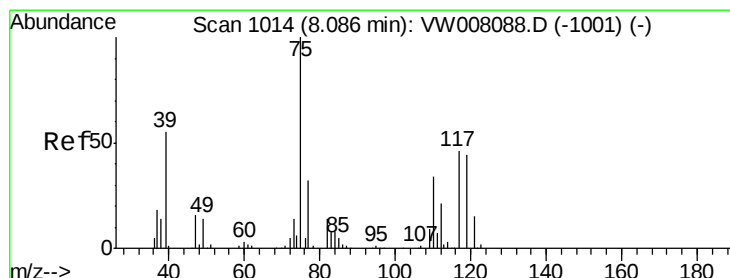
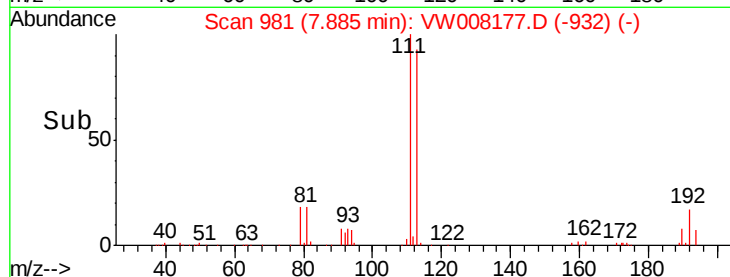
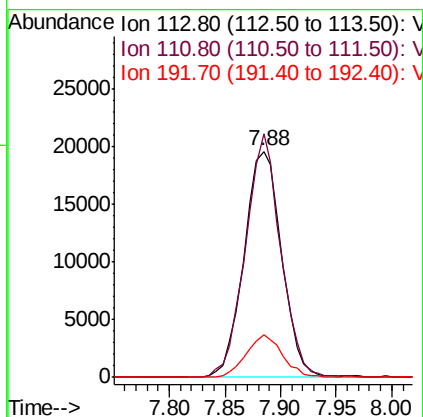
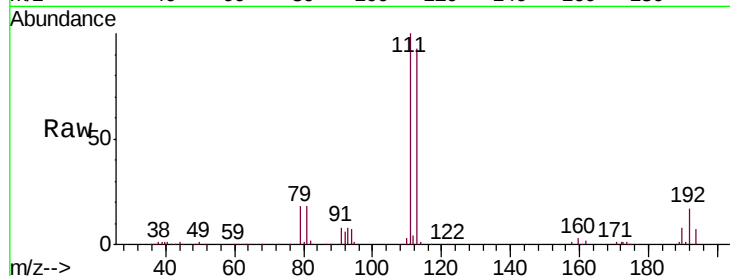




#35
 Dibromofluoromethane
 Concen: 55.172 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008177.D
 Acq: 11 Jan 2019 05:33

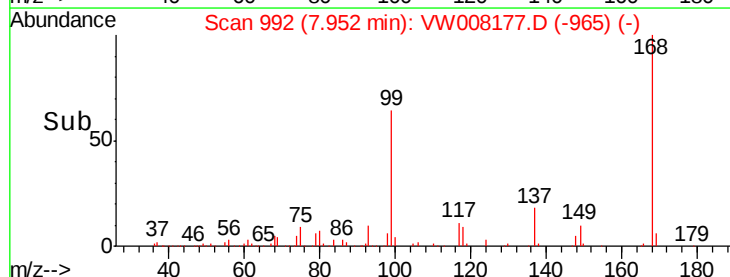
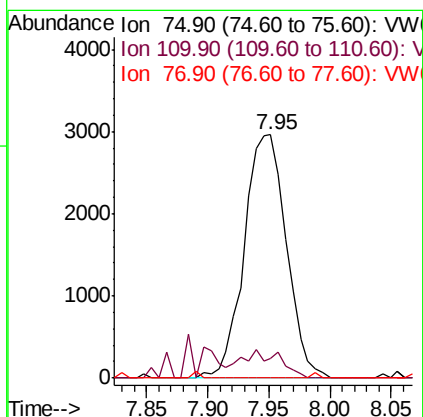
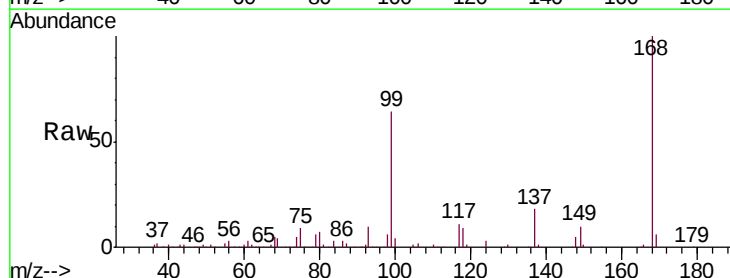
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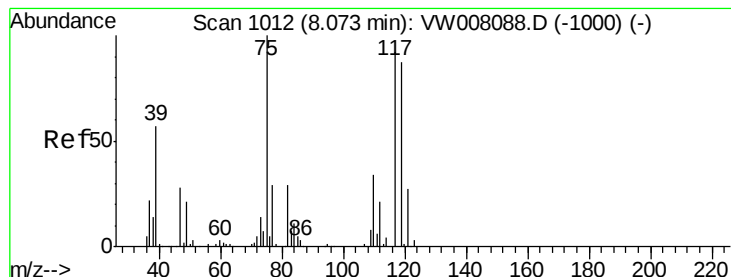
Tgt Ion:113 Resp: 46261
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.8 122.8
 192 17.8 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.798 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008177.D
 Acq: 11 Jan 2019 05:33

Tgt Ion: 75 Resp: 7106
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.1 51.3#
 77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.224 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

Instrument :

MSVOA_W

ClientSampled :

TP-21

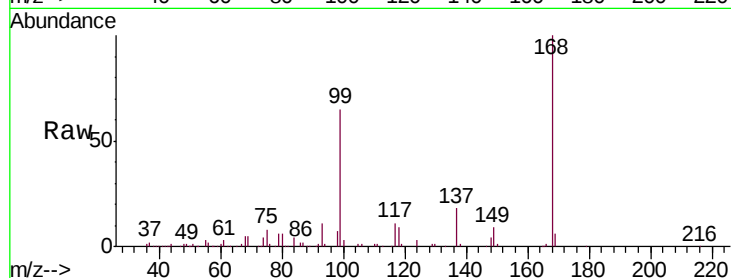
Tgt Ion:117 Resp: 8436

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

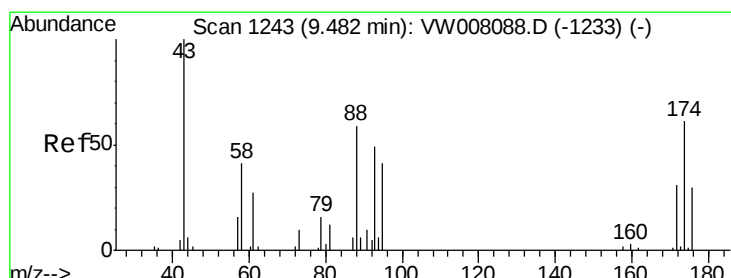
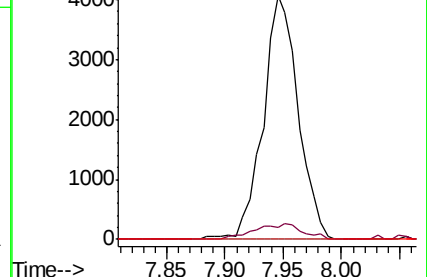
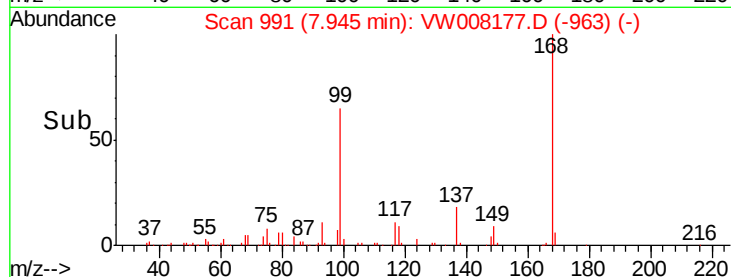
121 0.0 23.7 35.5#



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: 2.797 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.06 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

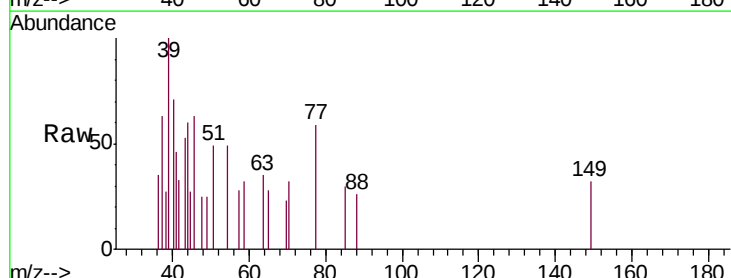
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 827.3 0.0 0.0#

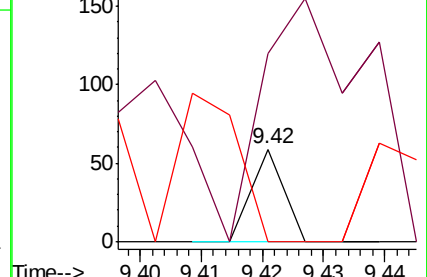
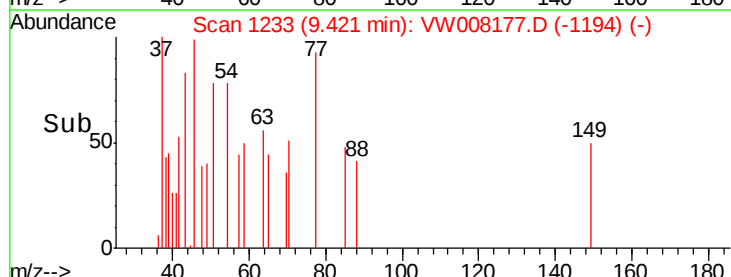
58 190.9 61.7 92.5#

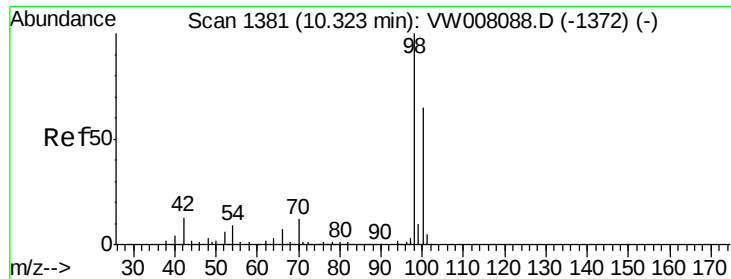


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

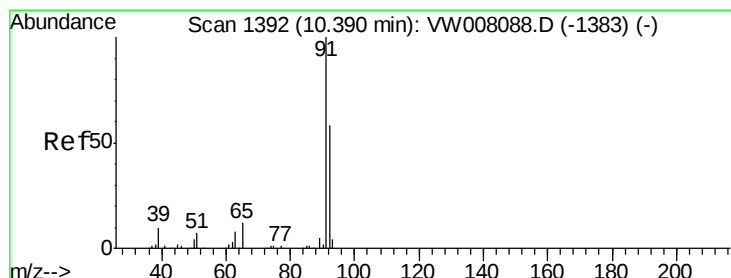
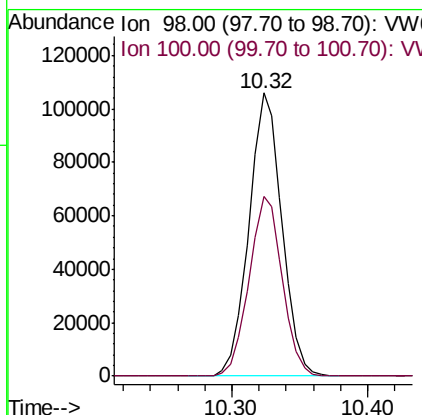
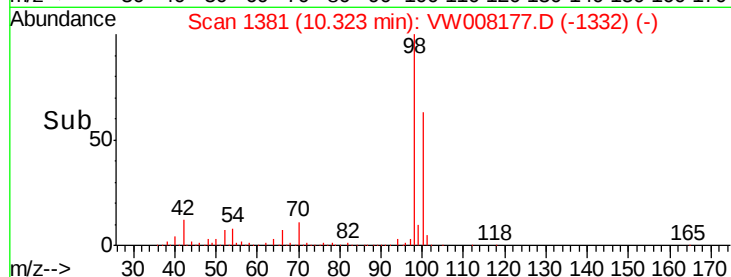
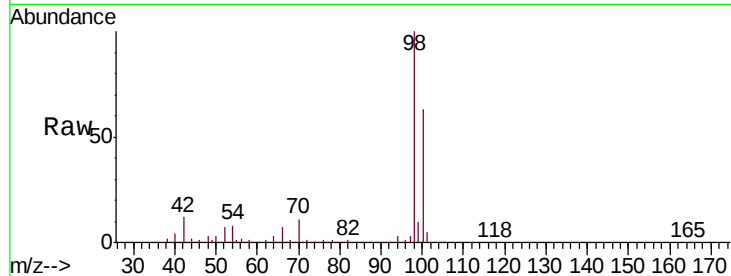




#50
Toluene-d8
Concen: 51.035 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

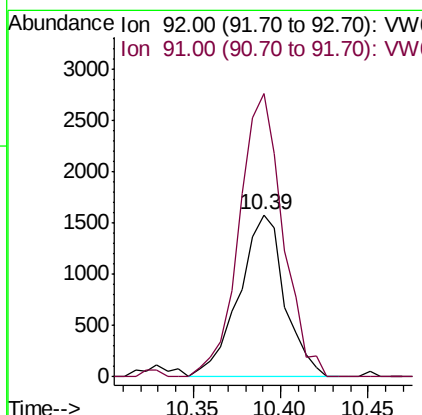
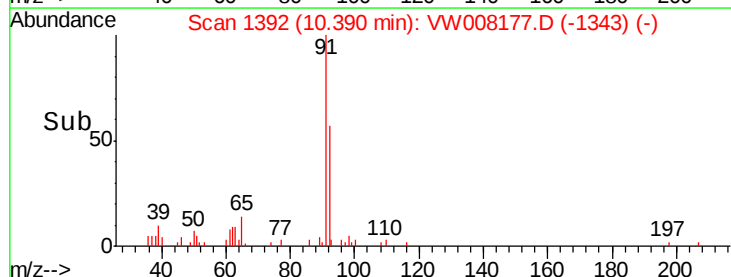
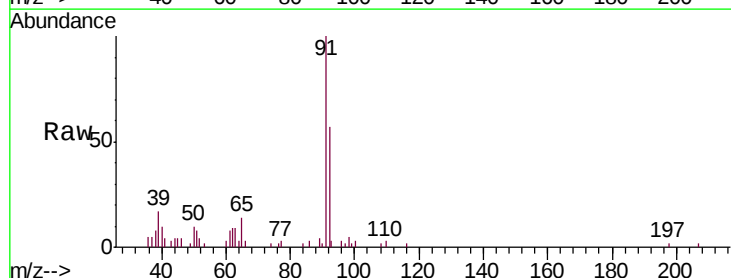
Instrument :
MSVOA_W
ClientSampleId :
TP-21

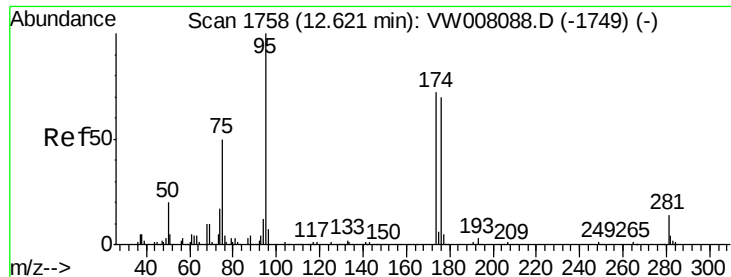
Tgt Ion: 98 Resp: 179571
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#52
Toluene
Concen: 1.118 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

Tgt Ion: 92 Resp: 2869
Ion Ratio Lower Upper
92 100
91 167.3 137.0 205.4

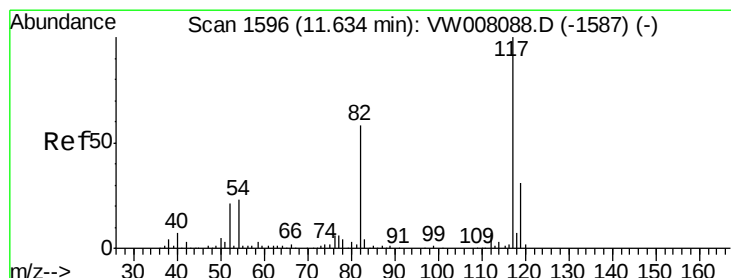
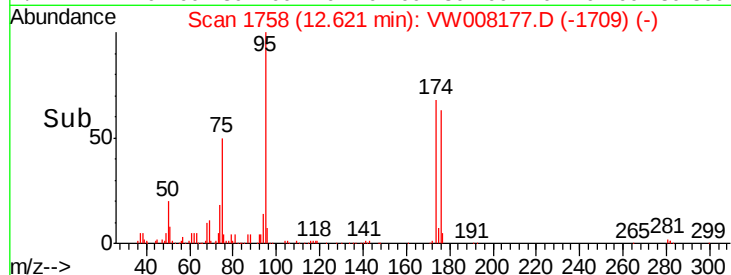
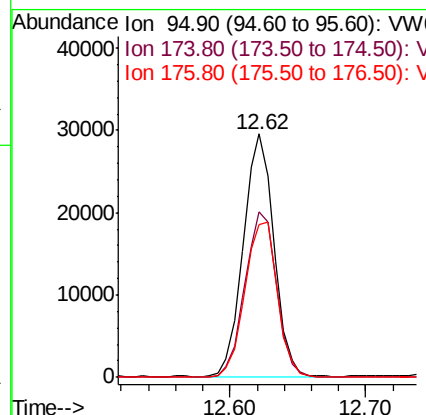
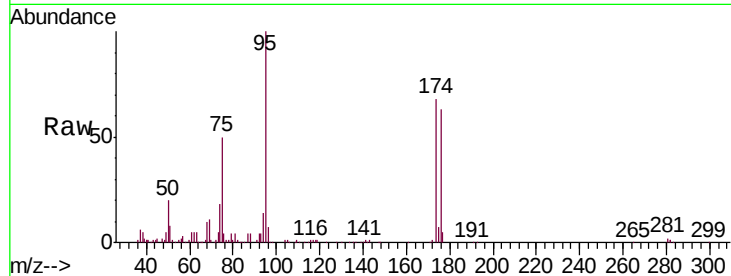




#62
4-Bromofluorobenzene
Concen: 36.614 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

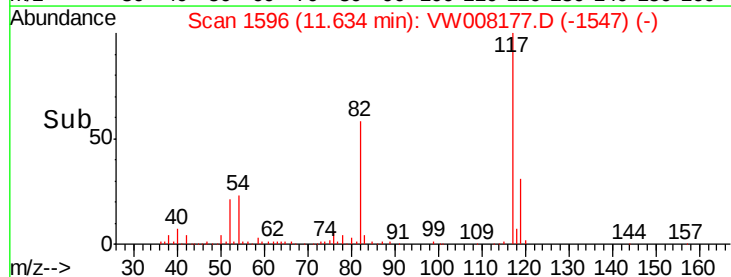
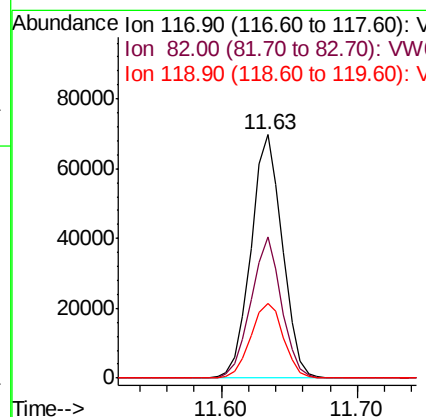
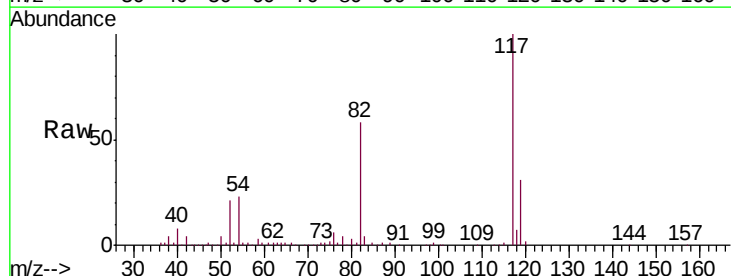
Instrument :
MSVOA_W
ClientSampleId :
TP-21

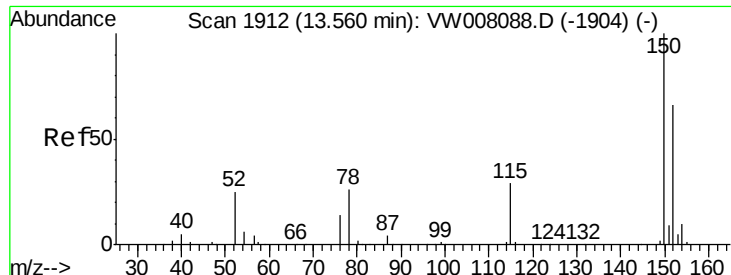
Tgt Ion: 95 Resp: 46185
Ion Ratio Lower Upper
95 100
174 70.9 0.0 143.0
176 68.2 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008177.D
Acq: 11 Jan 2019 05:33

Tgt Ion: 117 Resp: 112839
Ion Ratio Lower Upper
117 100
82 58.0 46.4 69.6
119 30.7 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

Instrument :

MSVOA_W

ClientSampled :

TP-21

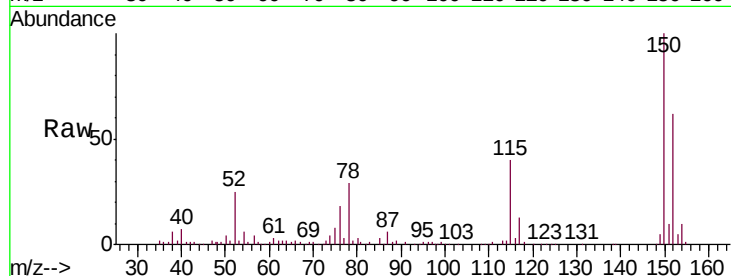
Tgt Ion: 152 Resp: 36534

Ion Ratio Lower Upper

152 100

115 62.4 30.8 92.4

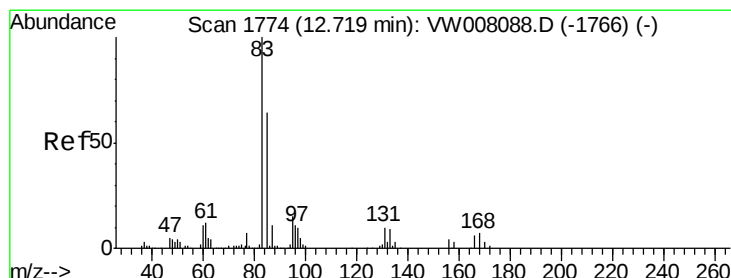
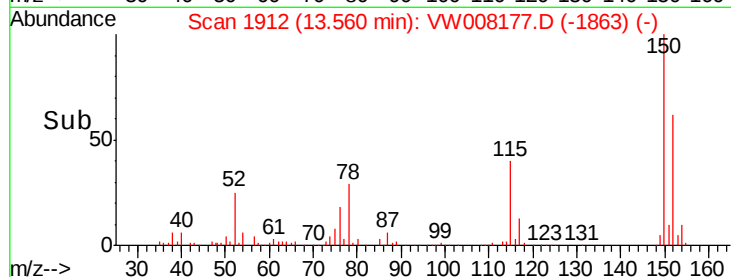
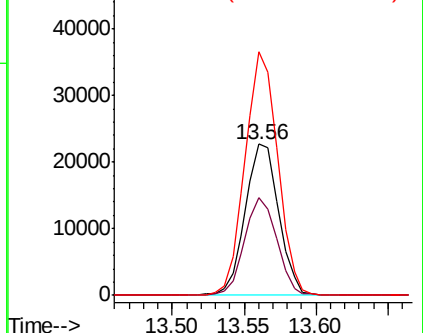
150 156.8 0.0 350.2



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: 1.091 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.04 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

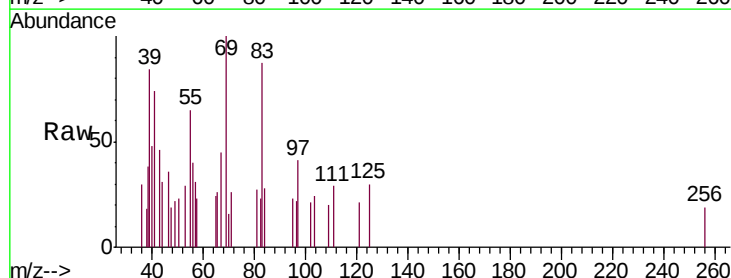
Tgt Ion: 83 Resp: 501

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

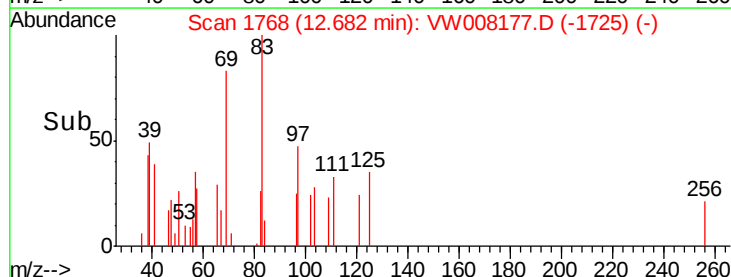
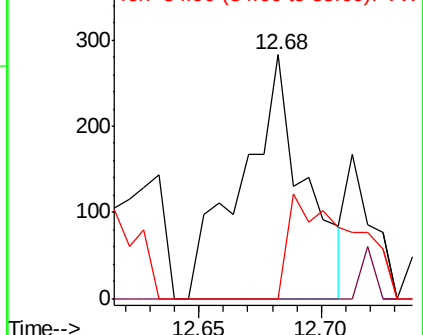
85 44.1 32.4 97.2

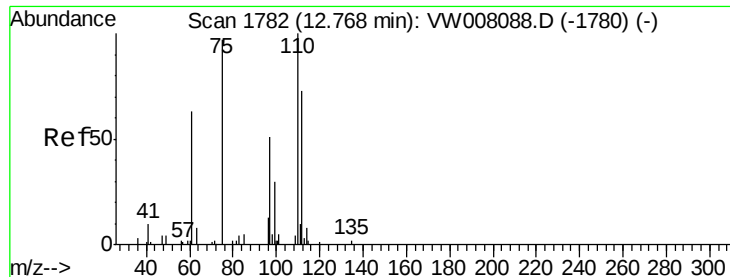


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 70.218 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

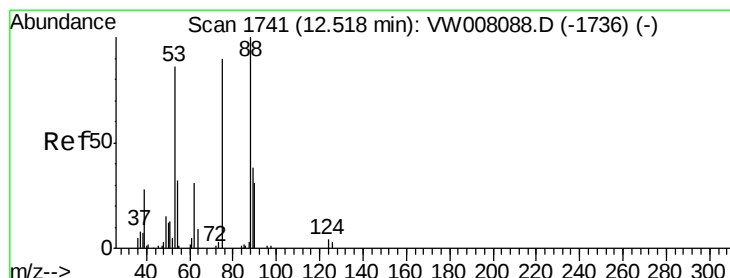
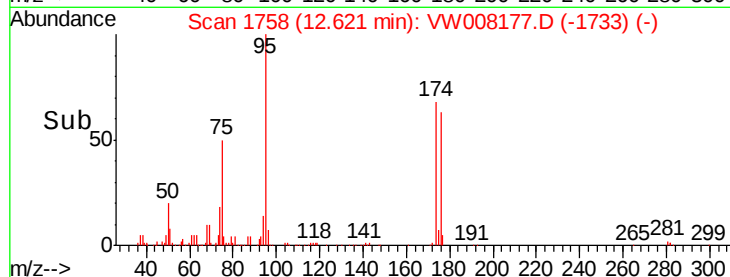
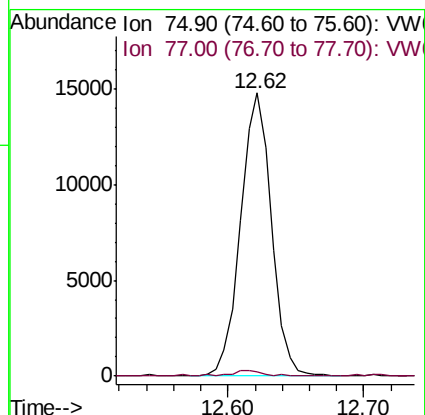
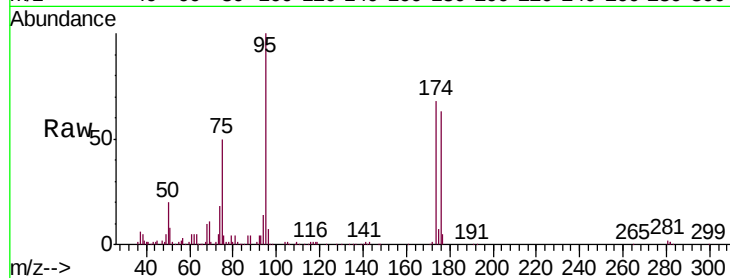
TP-21

Tgt Ion: 75 Resp: 23386

Ion Ratio Lower Upper

75 100

77 2.2 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 163.517 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008177.D

Acq: 11 Jan 2019 05:33

Tgt Ion: 75 Resp: 23386

Ion Ratio Lower Upper

75 100

53 1.3 78.8 118.2#

89 0.1 35.4 53.2#

