

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006969.D
 Acq On : 20 Nov 2018 02:56
 Operator : SY/AP
 Sample : J5993-04
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20180928-AMENDED-WCC-1-COMP

Quant Time: Nov 20 04:40:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	148187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	53718	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.95	113	131	0.15	ug/l	0.06
Spiked Amount	50.000		Recovery	=	0.30%	
50) Toluene-d8	10.32	98	182146	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.62	95	66623	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	

Target Compounds

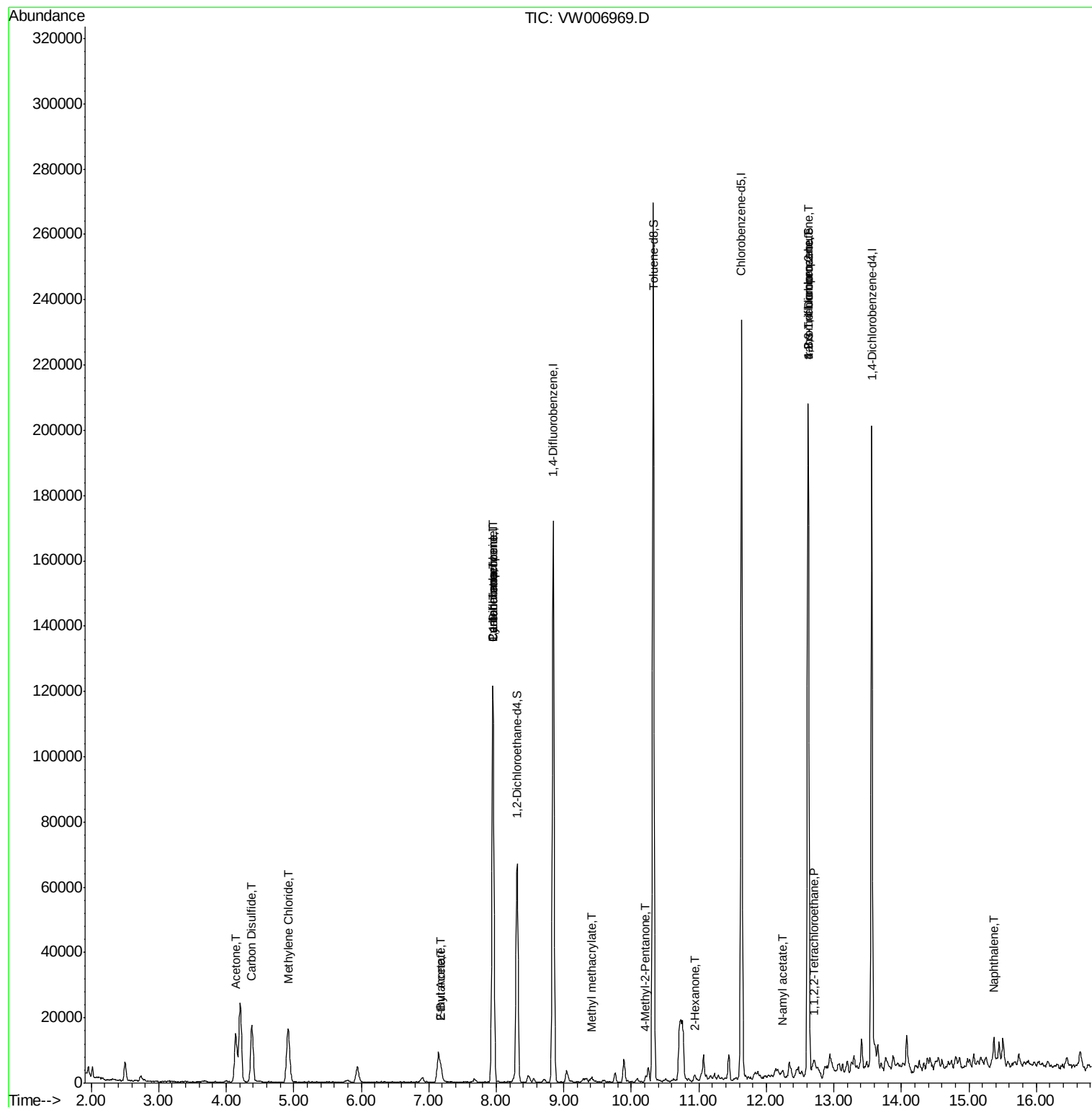
						Qvalue
16) Acetone	4.14	43	27999	177.989	ug/l	96
17) Carbon Disulfide	4.38	76	36248	13.476	ug/l	99
20) Methylene Chloride	4.92	84	13924	10.164	ug/l	92
25) 2-Butanone	7.18	43	6889	26.369	ug/l	92
31) Cyclohexane	7.95	56	1842	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7301	5.172	ug/l #	49
37) Ethyl Acetate	7.18	43	6889	11.477	ug/l #	68
38) Carbon Tetrachloride	7.95	117	9635	6.945	ug/l #	17
48) Methyl methacrylate	9.41	41	568	1.022	ug/l #	37
51) 4-Methyl-2-Pentanone	10.21	43	1488	2.621	ug/l #	72
59) 2-Hexanone	10.94	43	924	2.432	ug/l #	25
74) N-amyl acetate	12.24	43	1370	1.699	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.70	83	603	1.018	ug/l	66
76) 1,2,3-Trichloropropane	12.62	75	32436	79.352	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32436	180.633	ug/l #	10
95) Naphthalene	15.37	128	7998	4.226	ug/l	97

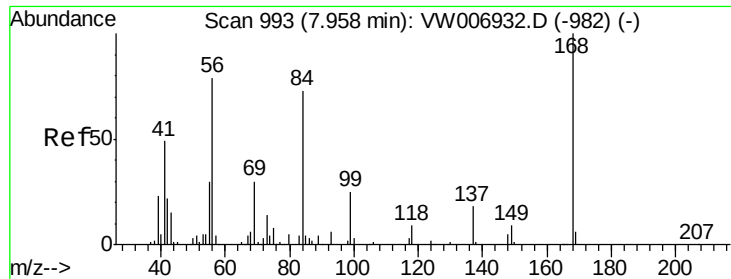
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

MSVOA_W

ClientSampleId :

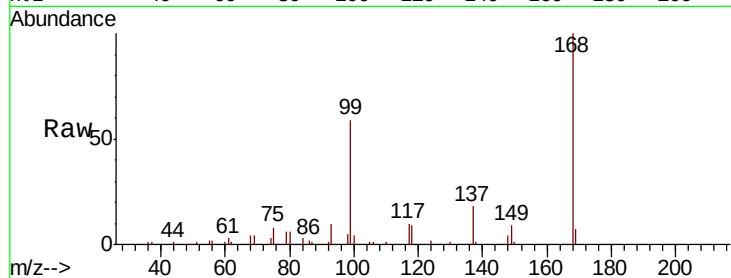
20180928-AMENDED-WCC-1-COMP

Tot Ion:168 Resp: 92282

Ion Ratio Lower Upper

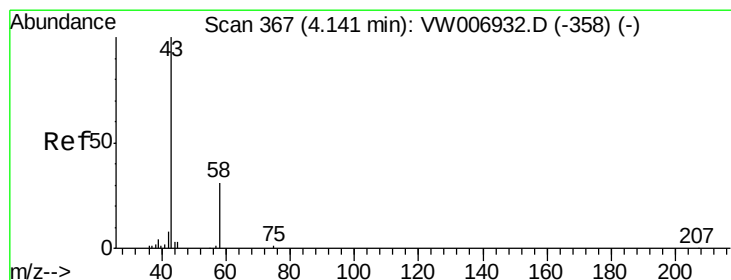
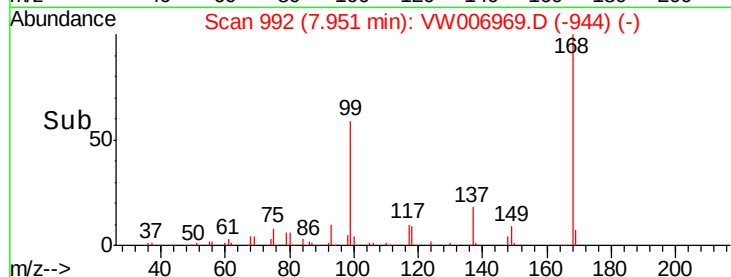
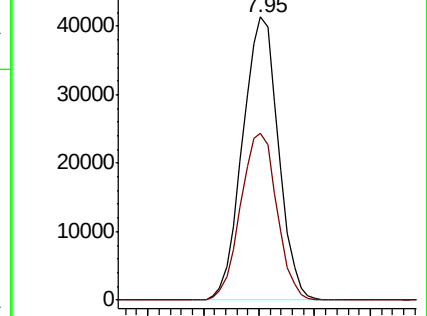
168 100

99 59.0 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 177.989 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006969.D

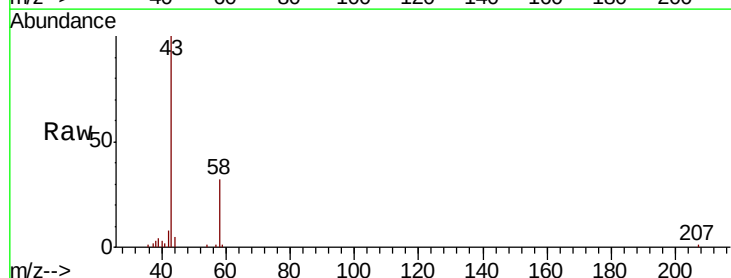
Acq: 20 Nov 2018 02:56

Tgt Ion: 43 Resp: 27999

Ion Ratio Lower Upper

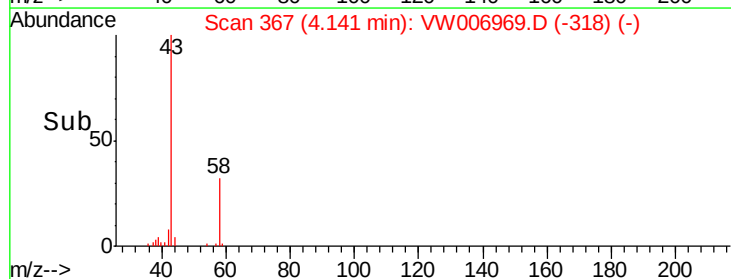
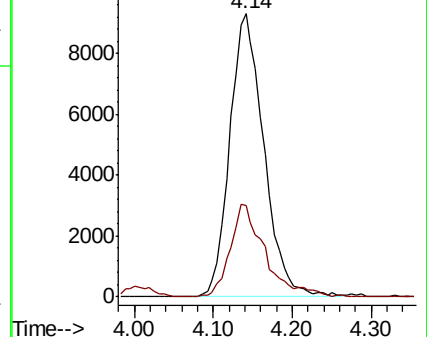
43 100

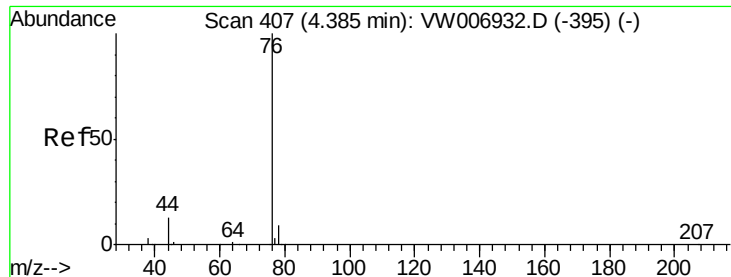
58 32.4 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 13.476 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

MSVOA_W

ClientSampleId :

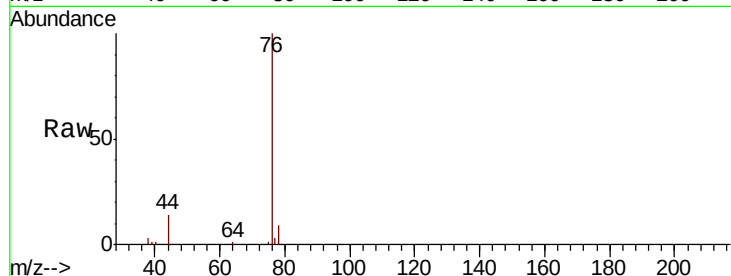
20180928-AMENDED-WCC-1-COMP

Tot Ion: 76 Resp: 36248

Ion Ratio Lower Upper

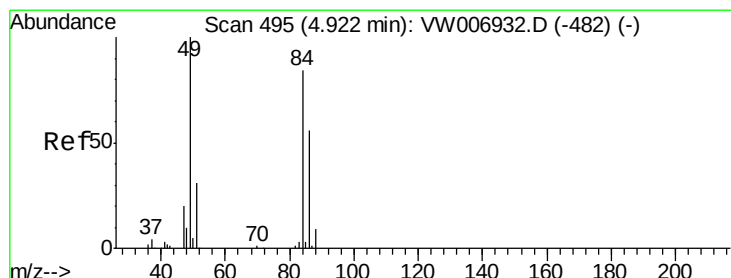
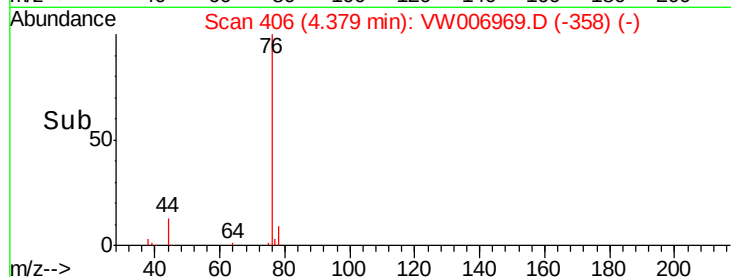
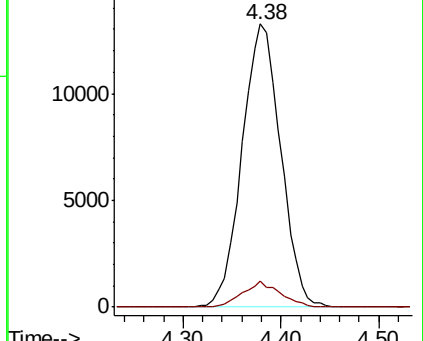
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 10.164 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Tgt Ion: 84 Resp: 13924

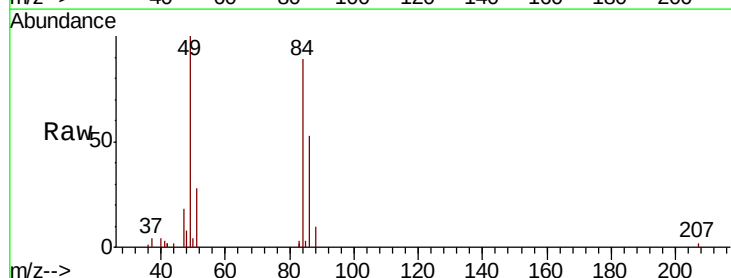
Ion Ratio Lower Upper

84 100

49 111.8 95.4 143.2

51 31.9 29.5 44.3

86 59.6 53.4 80.2

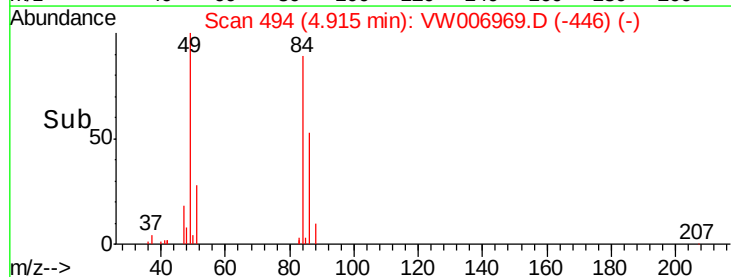
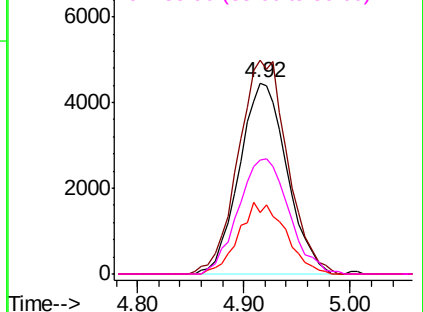


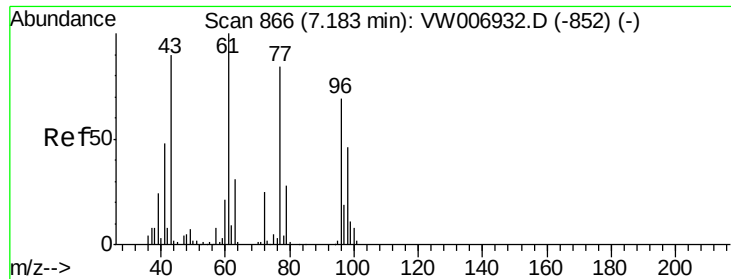
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 26.369 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

MSVOA_W

ClientSampleId :

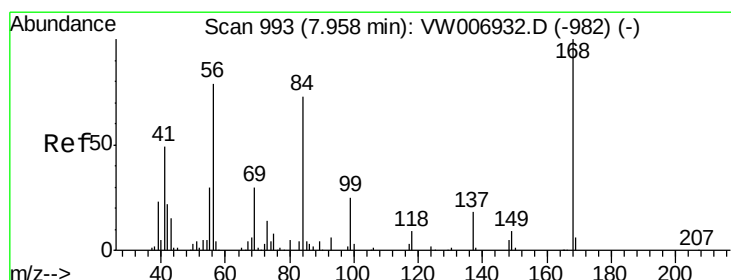
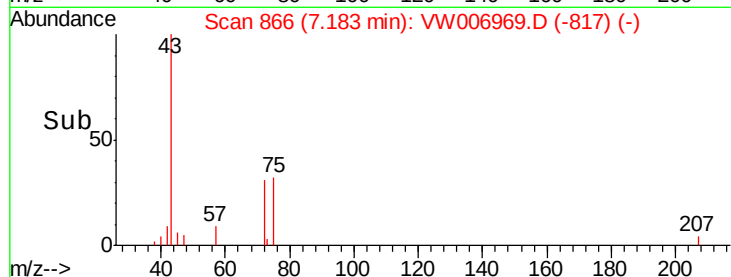
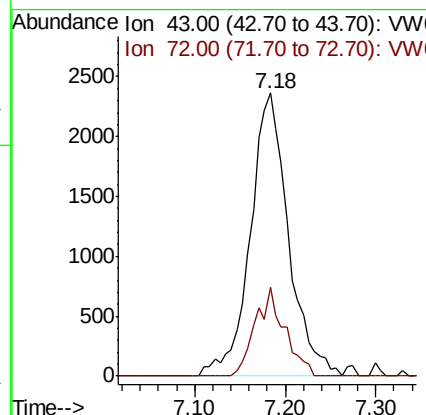
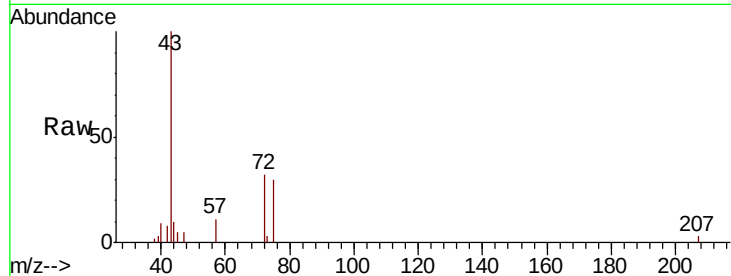
20180928-AMENDED-WCC-1-COMP

Tot Ion: 43 Resp: 6889

Ion Ratio Lower Upper

43 100

72 31.5 22.1 33.1



#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

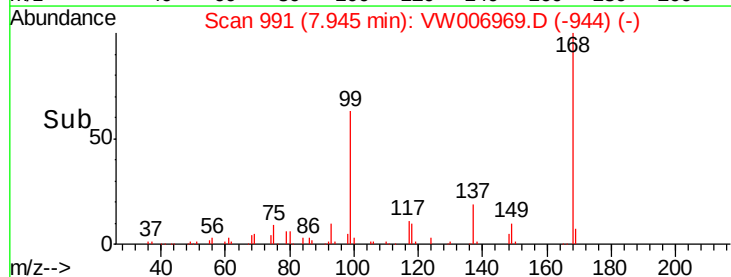
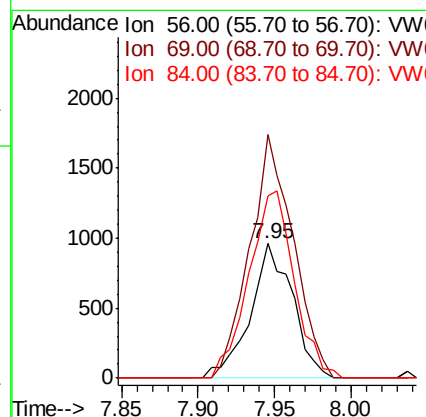
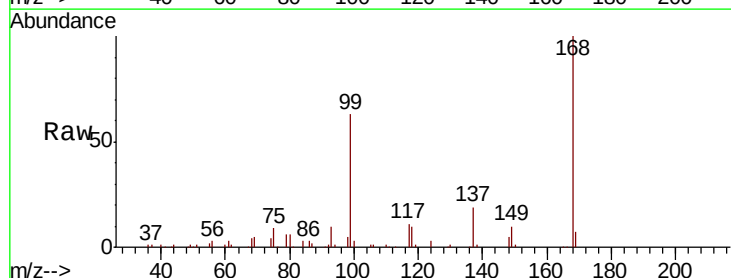
Tgt Ion: 56 Resp: 1842

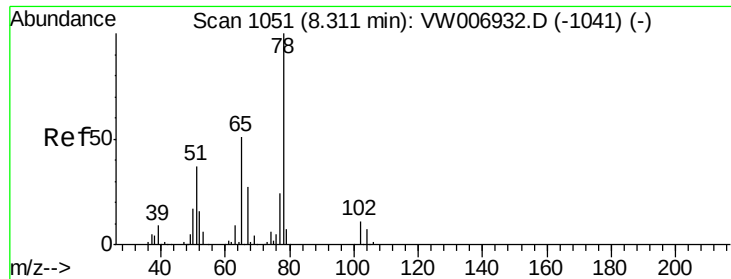
Ion Ratio Lower Upper

56 100

69 181.1 30.2 45.2#

84 135.8 73.6 110.4#

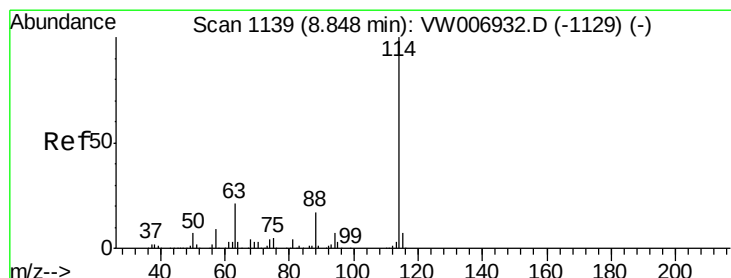
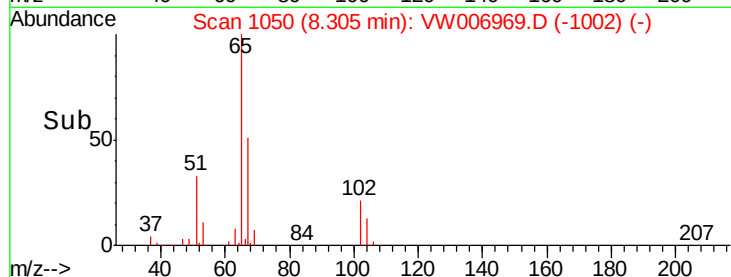
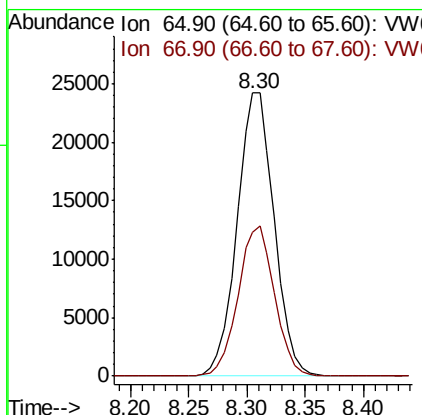
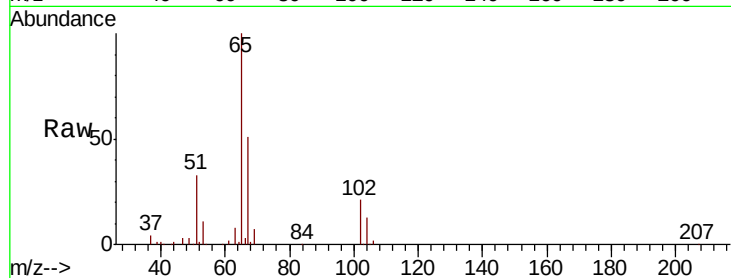




#33
 1,2-Dichloroethane-d4
 Concen: 52.233 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006969.D
 Acq: 20 Nov 2018 02:56

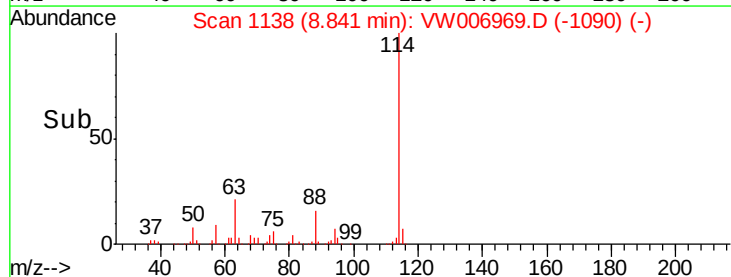
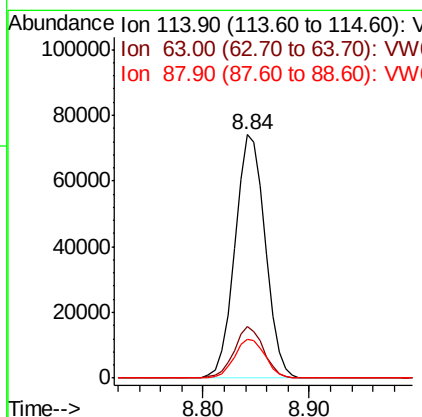
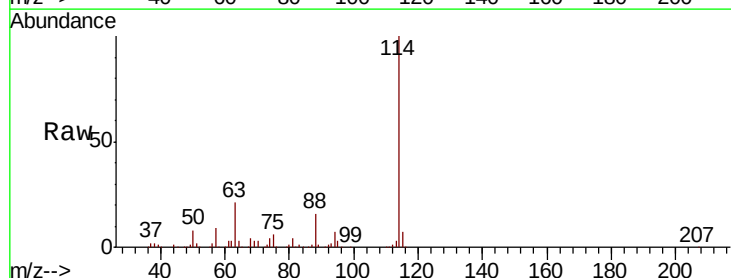
Instrument :
 MSVOA_W
 ClientSampleId :
 20180928-AMENDED-WCC-1-COMP

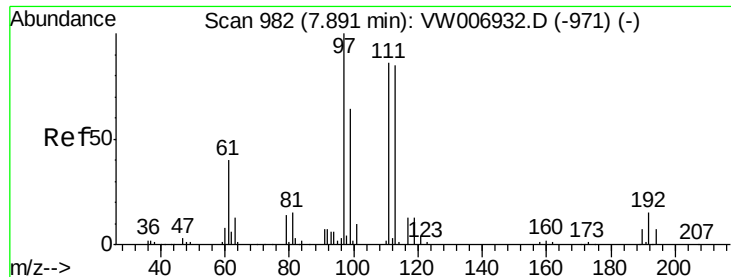
Tot Ion: 65 Resp: 53718
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006969.D
 Acq: 20 Nov 2018 02:56

Tgt Ion: 114 Resp: 148187
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.2
 88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 0.151 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.06 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

MSVOA_W

ClientSampleId :

20180928-AMENDED-WCC-1-COMP

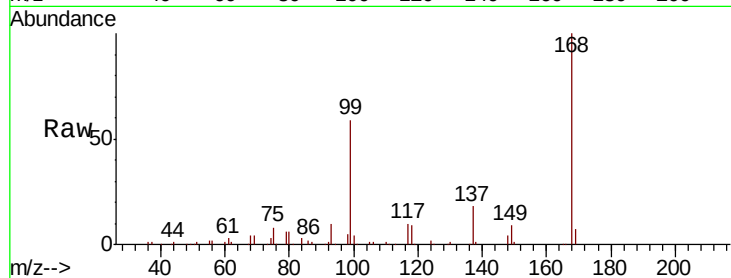
Tot Ion:113 Resp: 131

Ion Ratio Lower Upper

113 100

111 201.5 81.7 122.5#

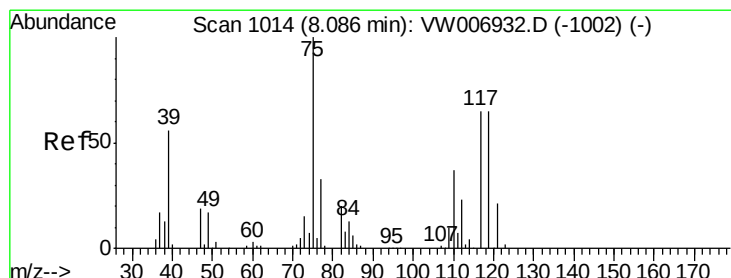
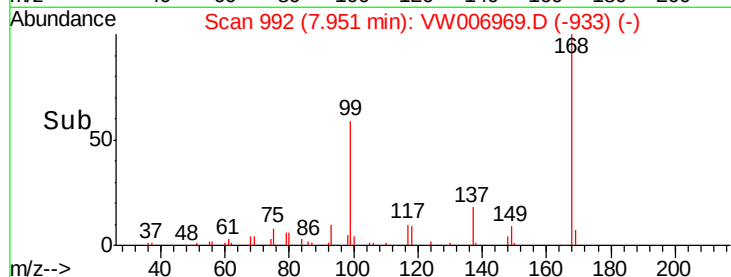
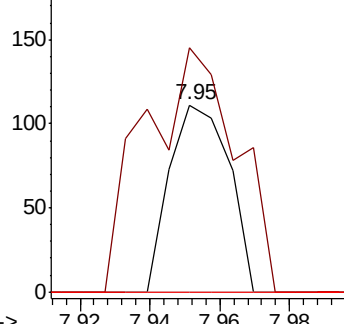
192 0.0 13.9 20.9#



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: 5.172 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

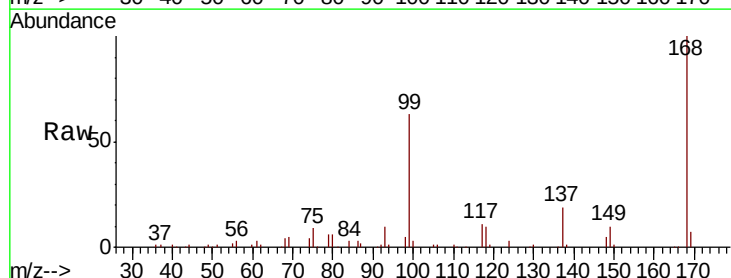
Tgt Ion: 75 Resp: 7301

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

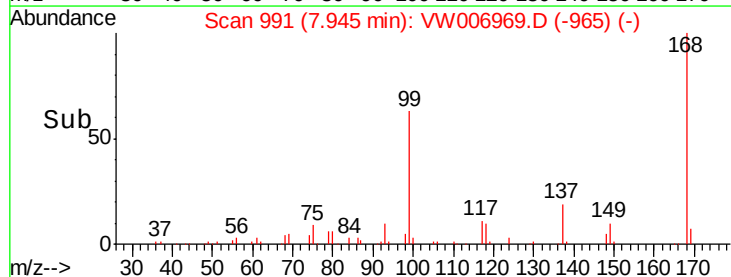
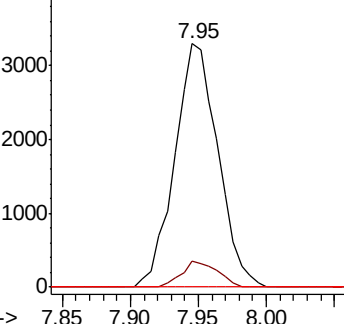
77 0.0 25.4 38.0#

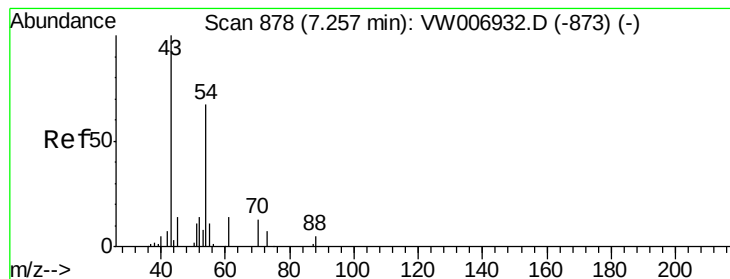


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 11.477 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

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20180928-AMENDED-WCC-1-COMP

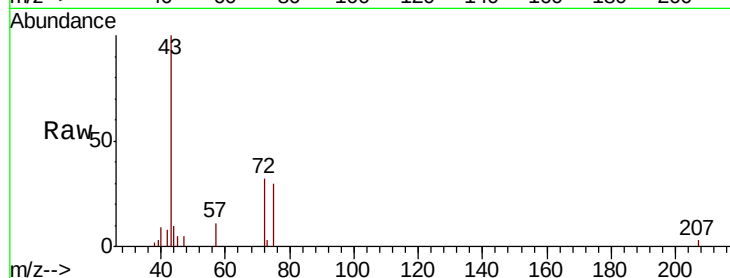
Tot Ion: 43 Resp: 6889

Ion Ratio Lower Upper

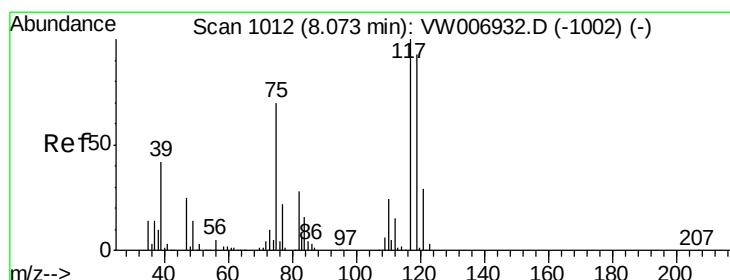
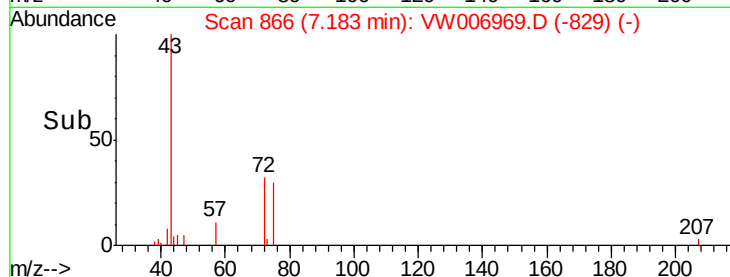
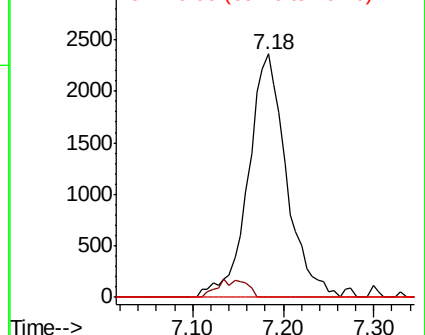
43 100

61 0.0 11.0 16.6#

70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.945 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

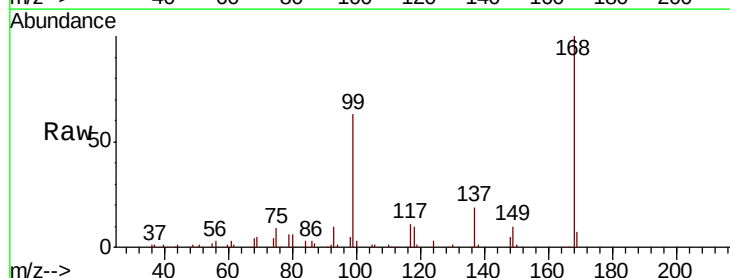
Tgt Ion: 117 Resp: 9635

Ion Ratio Lower Upper

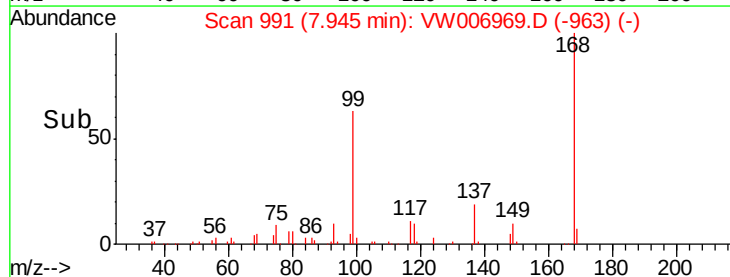
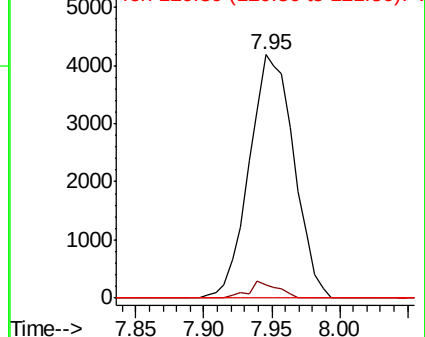
117 100

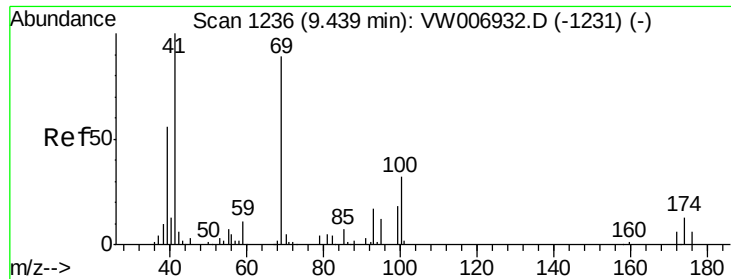
119 5.2 74.2 111.4#

121 0.0 23.5 35.3#



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

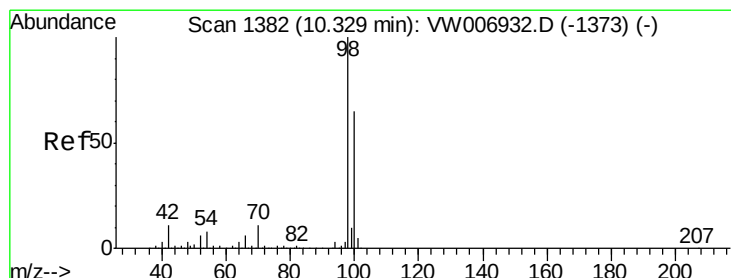
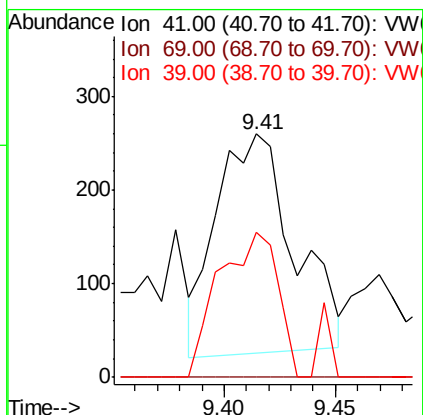
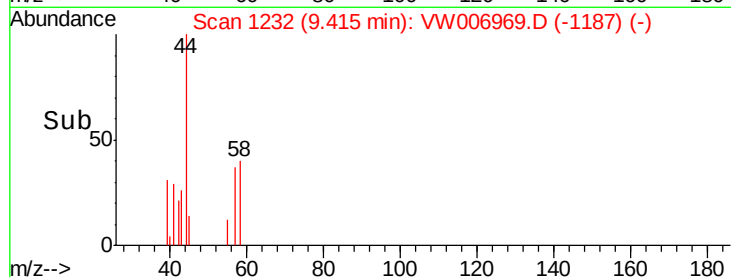
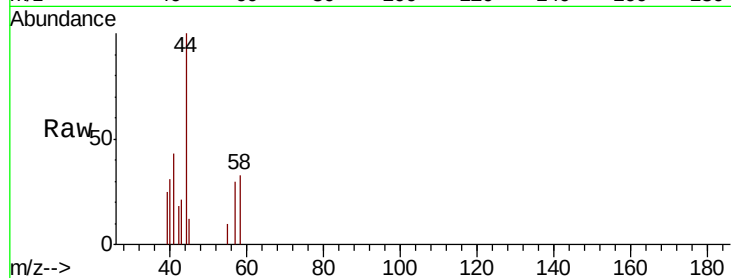




#48
Methyl methacrylate
Concen: 1.022 ug/l
RT: 9.41 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

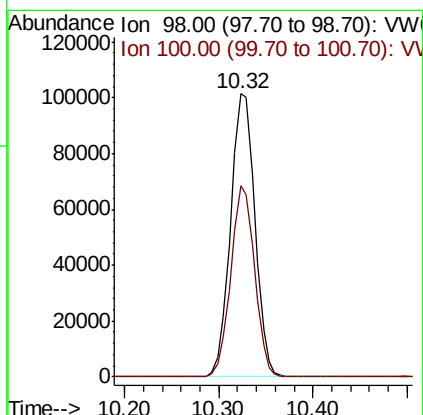
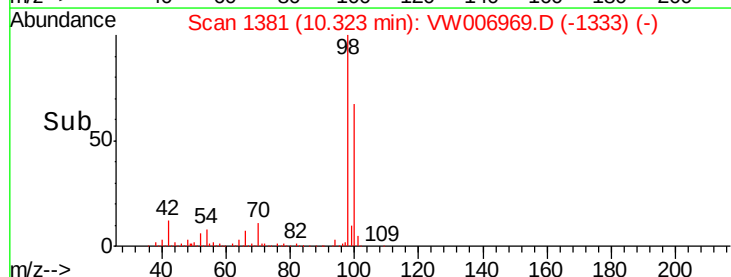
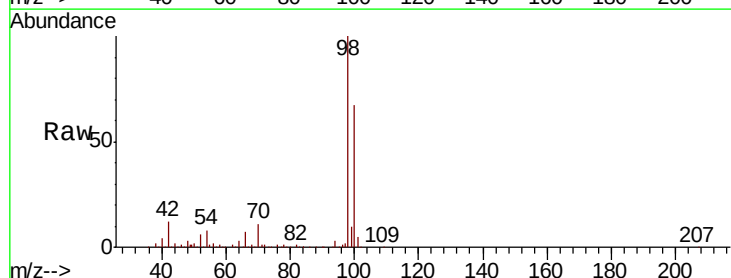
Instrument :
MSVOA_W
ClientSampleId :
20180928-AMENDED-WCC-1-COMP

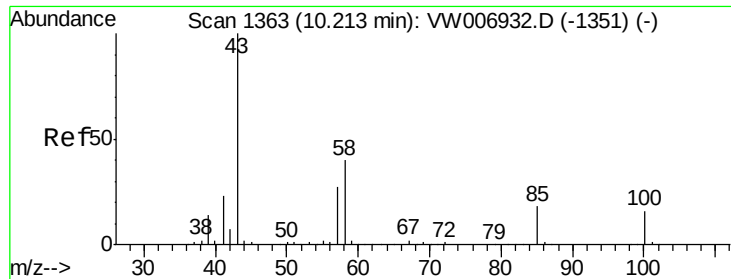
Tot Ion: 41 Resp: 568
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 50.2 46.1 69.1



#50
Toluene-d8
Concen: 48.849 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

Tgt Ion: 98 Resp: 182146
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5

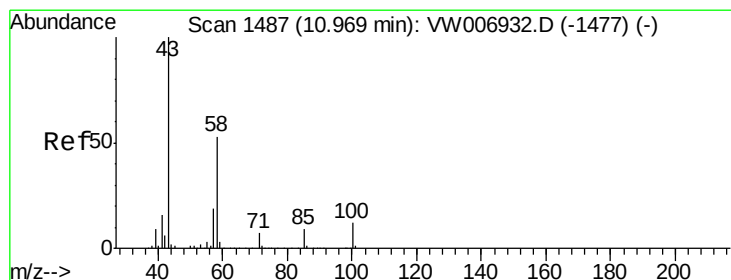
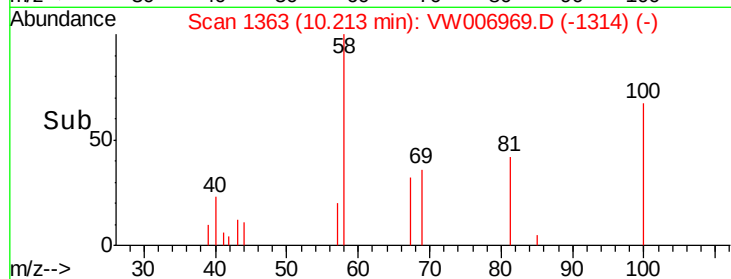
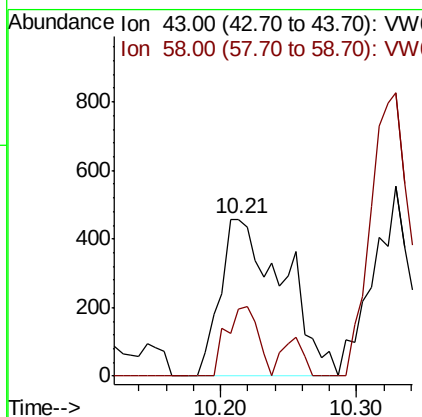
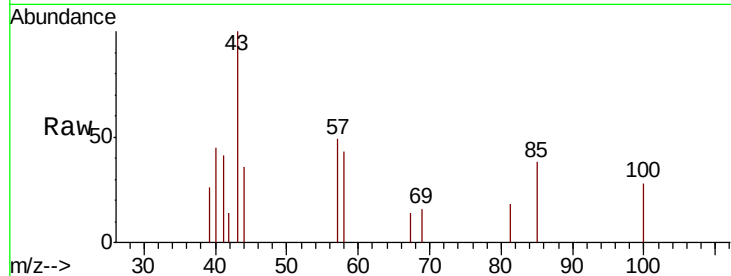




#51
4-Methyl-2-Pentanone
Concen: 2.621 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

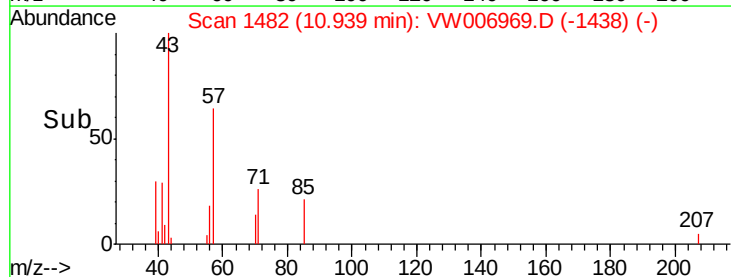
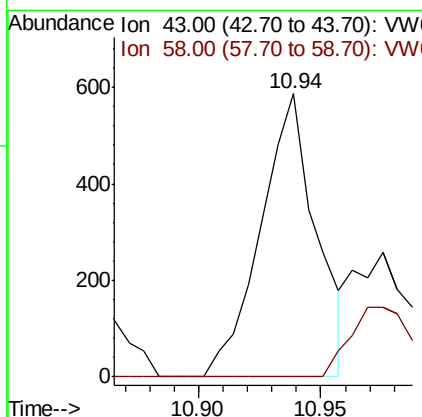
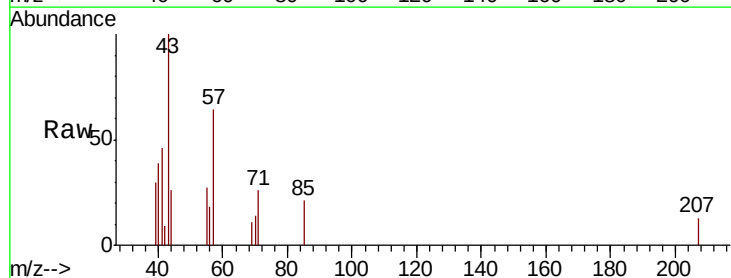
Instrument :
MSVOA_W
ClientSampleId :
20180928-AMENDED-WCC-1-COMP

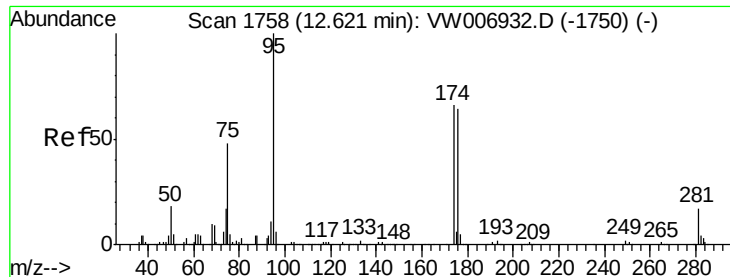
Tot Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
58 21.8 31.0 46.4#



#59
2-Hexanone
Concen: 2.432 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
58 0.0 26.8 80.4#

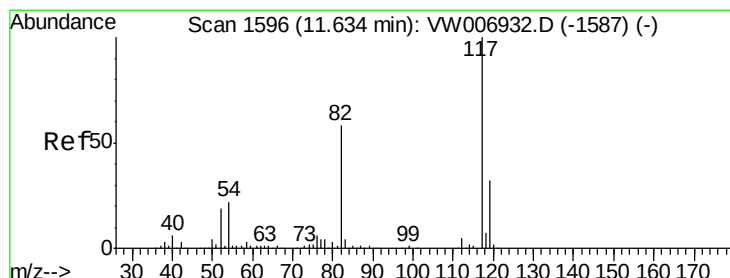
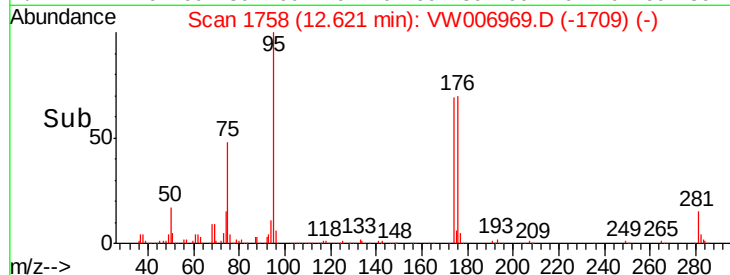
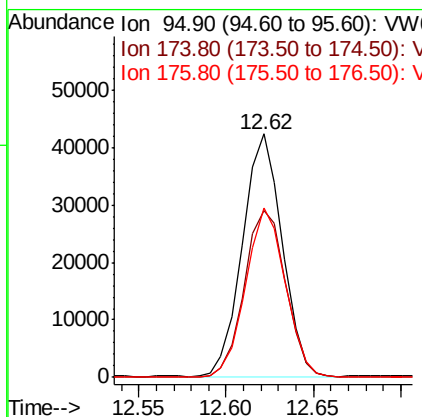
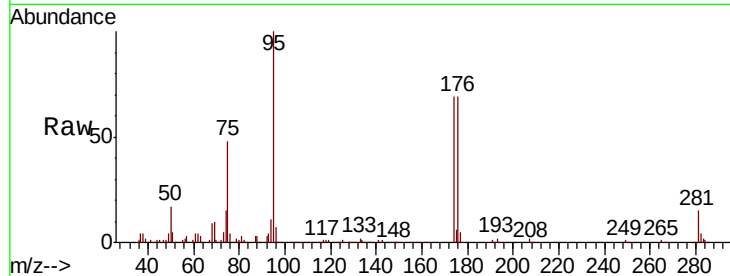




#62
4-Bromofluorobenzene
Concen: 45.822 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

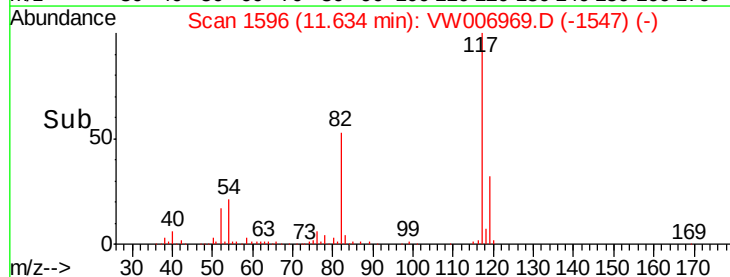
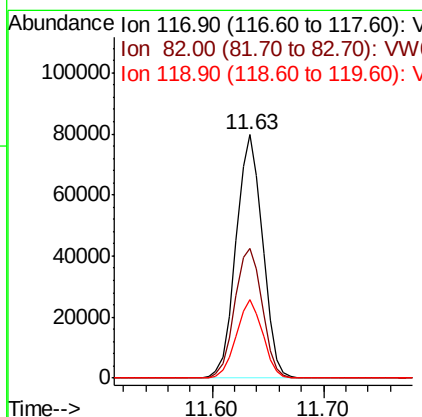
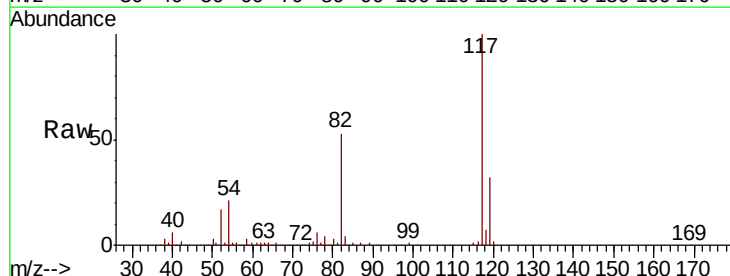
Instrument :
MSVOA_W
ClientSampleId :
20180928-AMENDED-WCC-1-COMP

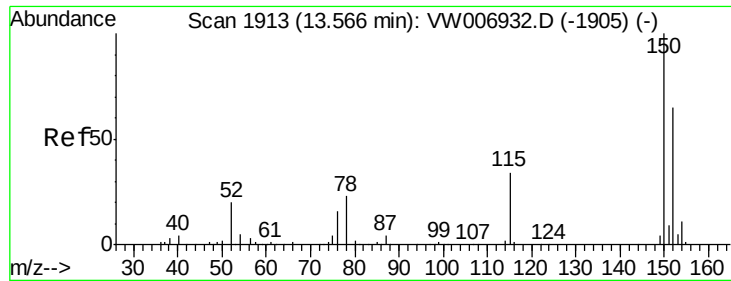
Tot Ion: 95 Resp: 66623
Ion Ratio Lower Upper
95 100
174 71.8 0.0 138.4
176 69.6 0.0 133.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

Tgt Ion: 117 Resp: 131391
Ion Ratio Lower Upper
117 100
82 53.2 46.2 69.2
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

MSVOA_W

ClientSampleId :

20180928-AMENDED-WCC-1-COMP

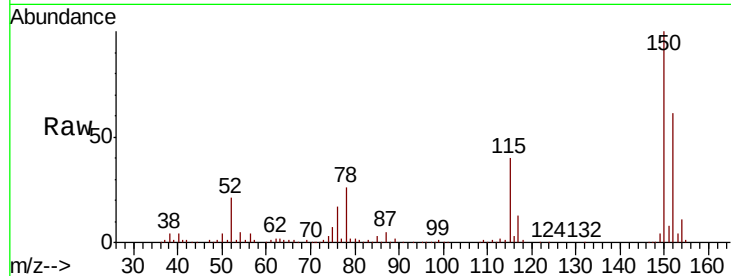
Tot Ion:152 Resp: 50865

Ion Ratio Lower Upper

152 100

115 62.4 31.6 94.7

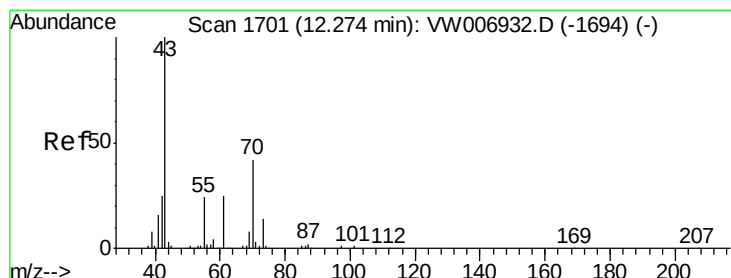
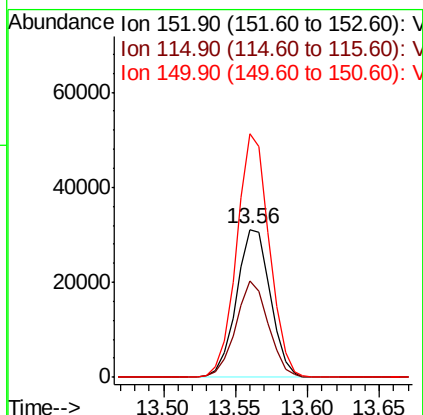
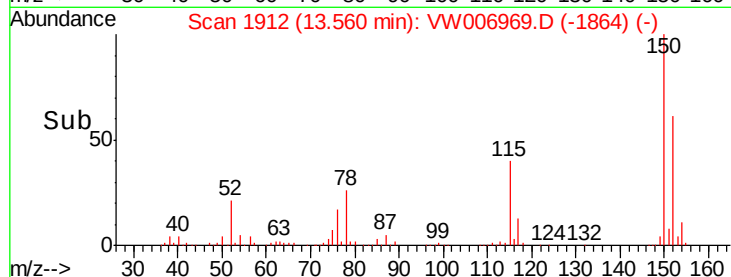
150 158.6 0.0 350.0



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



#74

N-ethyl acetate

Concen: 1.699 ug/l

RT: 12.24 min Scan# 1696

Delta R.T. -0.03 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Tgt Ion: 43 Resp: 1370

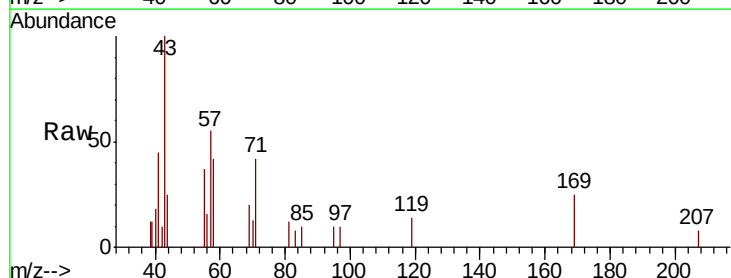
Ion Ratio Lower Upper

43 100

70 8.3 34.2 51.4#

55 33.6 19.5 29.3#

61 0.0 19.7 29.5#

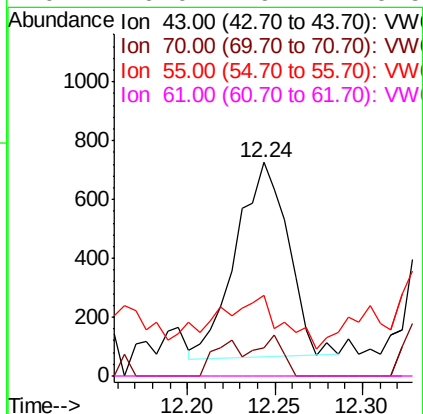
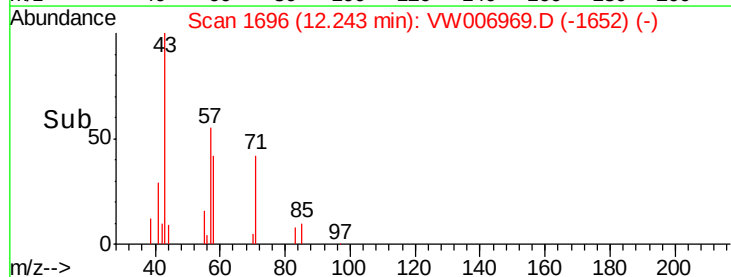


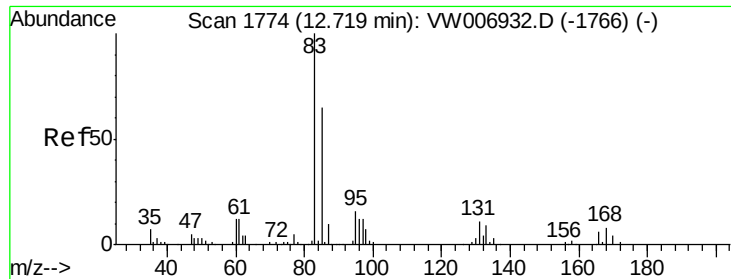
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 1.018 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006969.D

Acq: 20 Nov 2018 02:56

Instrument :

MSVOA_W

ClientSampleId :

20180928-AMENDED-WCC-1-COMP

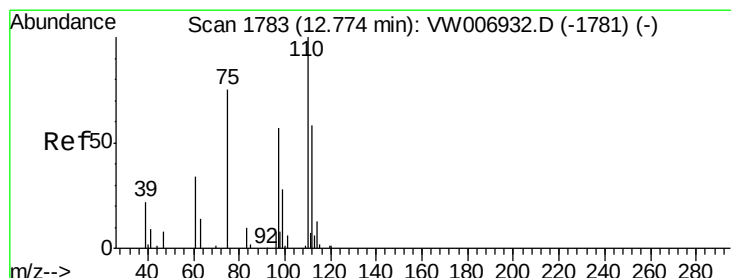
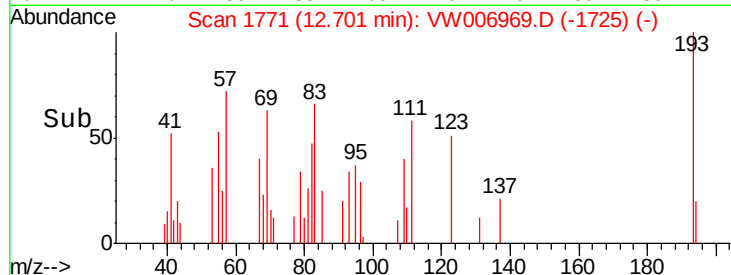
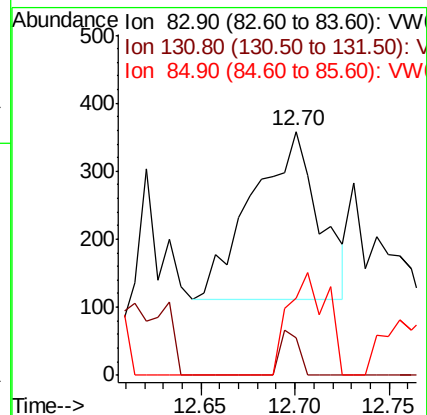
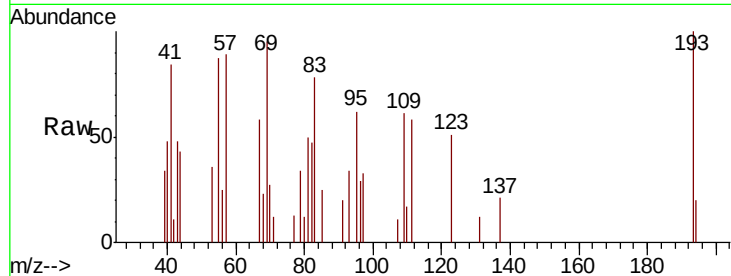
Tot Ion: 83 Resp: 603

Ion Ratio Lower Upper

83 100

131 7.3 5.6 16.8

85 35.3 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 79.352 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006969.D

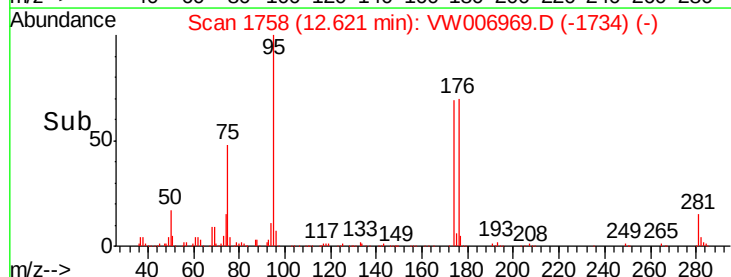
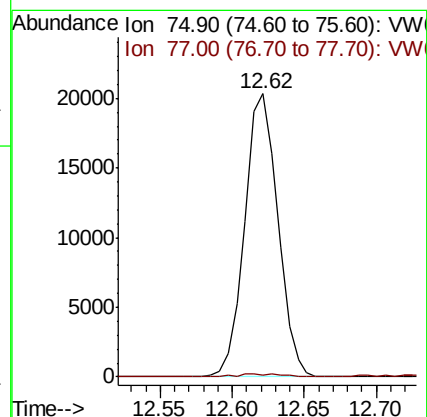
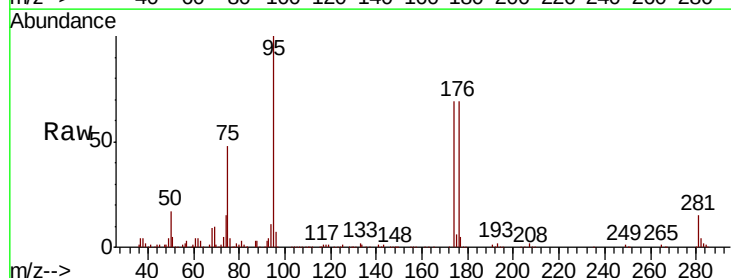
Acq: 20 Nov 2018 02:56

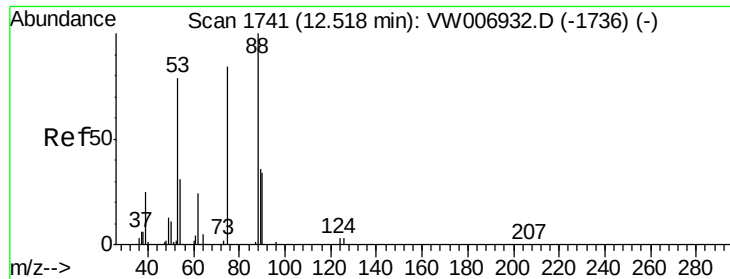
Tgt Ion: 75 Resp: 32436

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

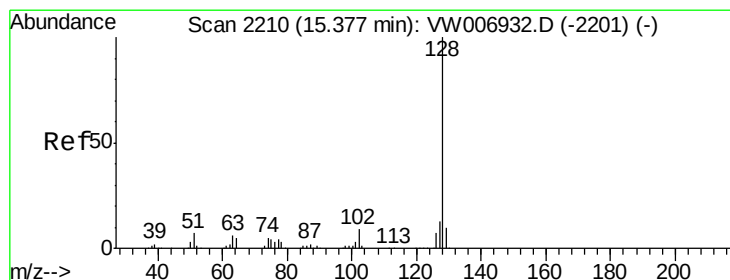
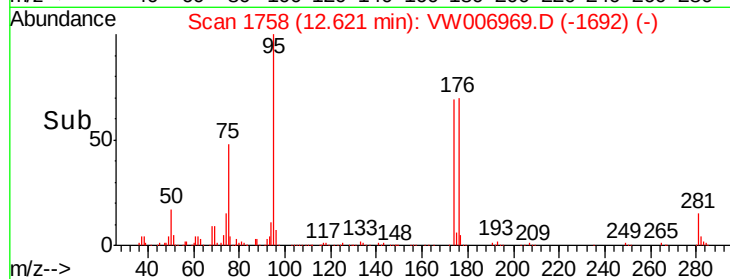
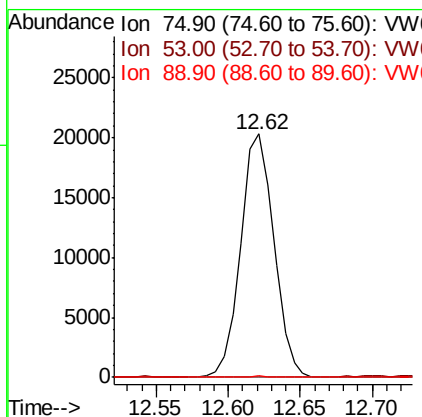
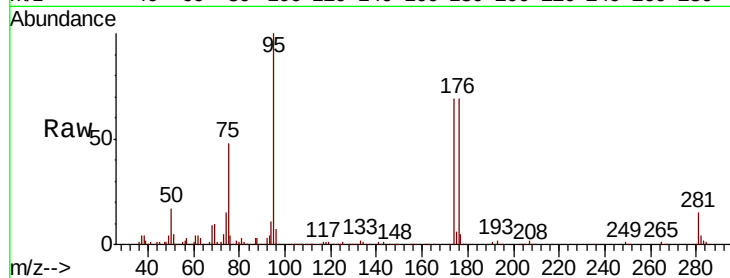




#81
trans-1,4-Dichloro-2-butene
Concen: 180.633 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

Instrument :
MSVOA_W
ClientSampleId :
20180928-AMENDED-WCC-1-COMP

Tot Ion: 75 Resp: 32436
Ion Ratio Lower Upper
75 100
53 0.4 79.3 118.9#
89 0.3 39.5 59.3#



#95
Naphthalene
Concen: 4.226 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006969.D
Acq: 20 Nov 2018 02:56

Tgt Ion: 128 Resp: 7998
Ion Ratio Lower Upper
128 100
127 11.8 10.6 15.8
129 11.6 8.5 12.7

