

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011653.D
 Acq On : 03 Aug 2019 06:52
 Operator : SY/VA
 Sample : K4131-20
 Misc : 5.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E4-(30)

Quant Time: Aug 04 00:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121151	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148155	58.04	ug/l	0.00
Spiked Amount			Recovery	=	116.08%	
35) Dibromofluoromethane	7.88	113	115928	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
50) Toluene-d8	10.32	98	463833	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.62	95	144011	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

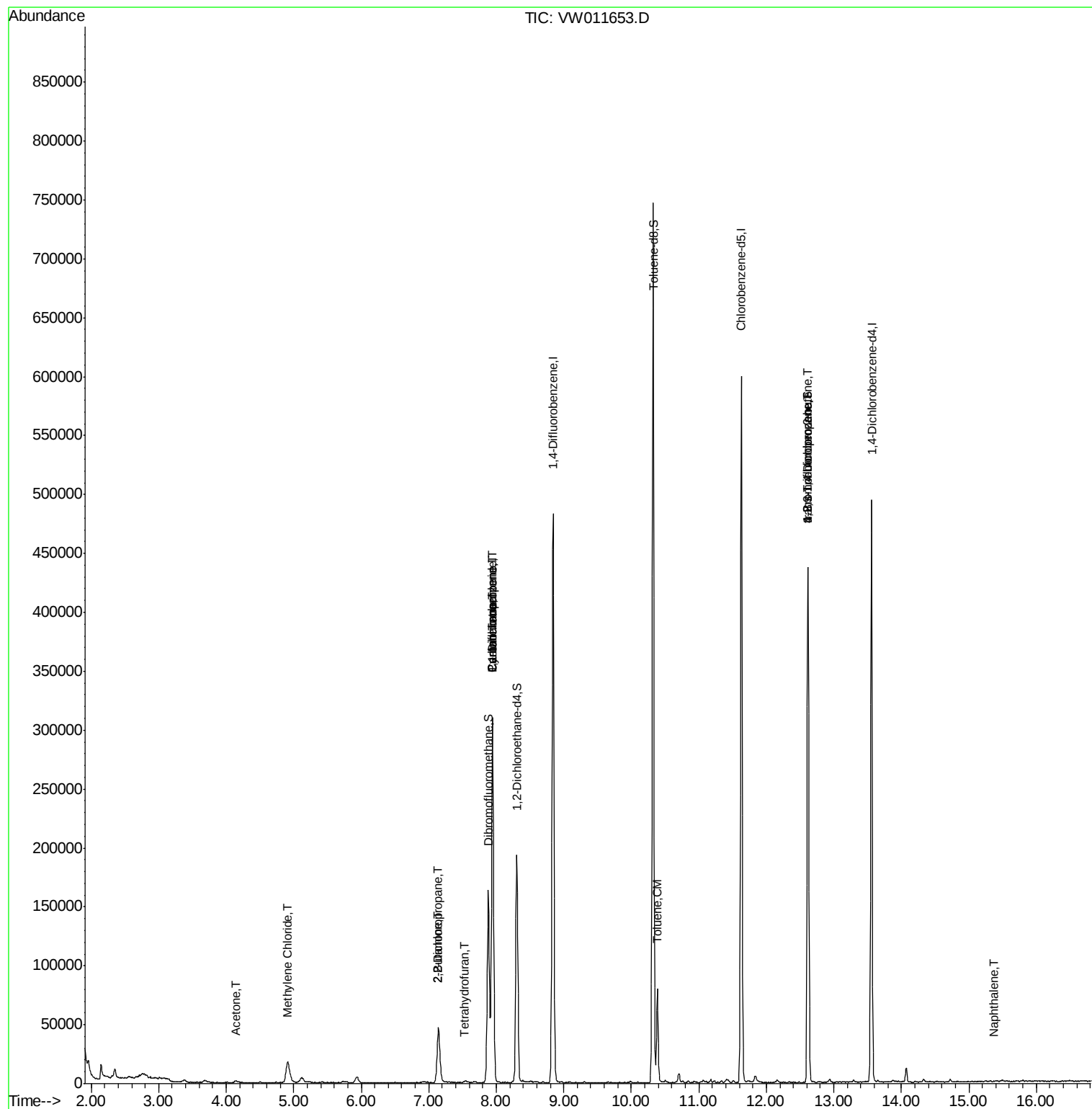
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	903	Below Cal		95
16) Acetone	4.14	43	2922	3.598	ug/l	98
20) Methylene Chloride	4.91	84	13960	4.985	ug/l	95
25) 2-Butanone	7.15	43	3226	3.036	ug/l #	88
26) 2,2-Dichloropropane	7.14	77	3300	1.079	ug/l #	54
29) Tetrahydrofuran	7.54	42	1168	1.923	ug/l	98
31) Cyclohexane	7.94	56	5201	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19539	5.003	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22195	6.639	ug/l #	16
52) Toluene	10.38	92	32628	4.939	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	77458	60.424	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77458	139.255	ug/l #	6
95) Naphthalene	15.38	128	158	2.098	ug/l #	69

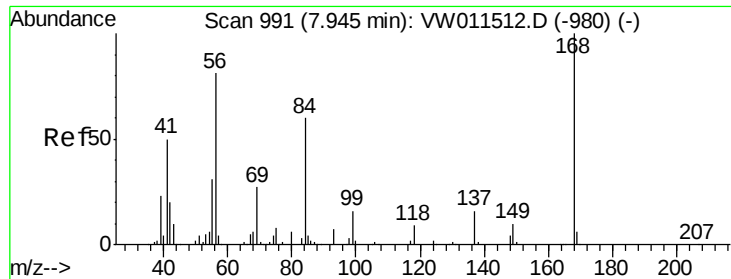
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011653.D

Acq: 03 Aug 2019 06:52

Instrument :

MSVOA_W

ClientSampleId :

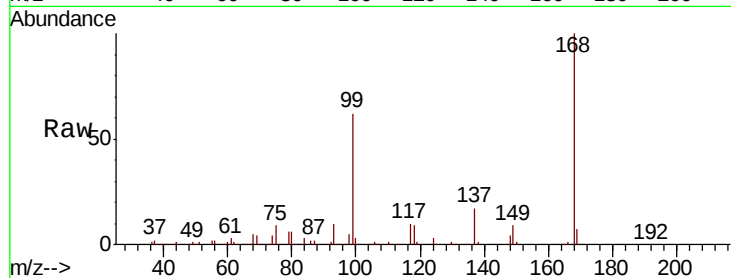
1S-E4-(30)

Tgt Ion:168 Resp: 222313

Ion Ratio Lower Upper

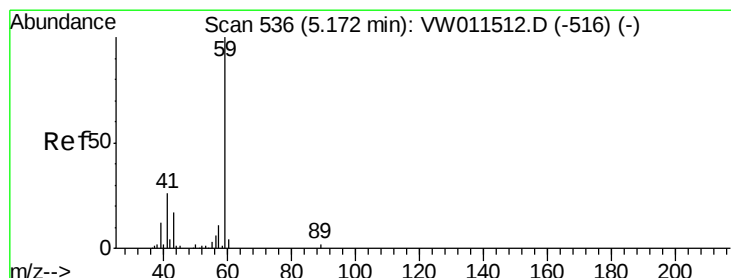
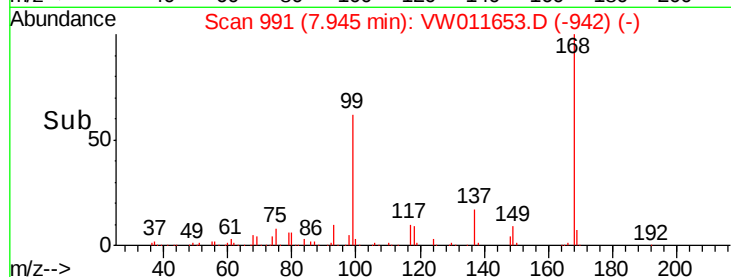
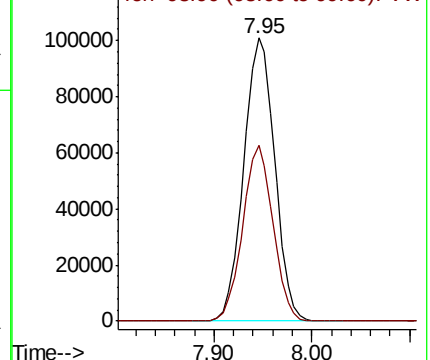
168 100

99 62.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011653.D

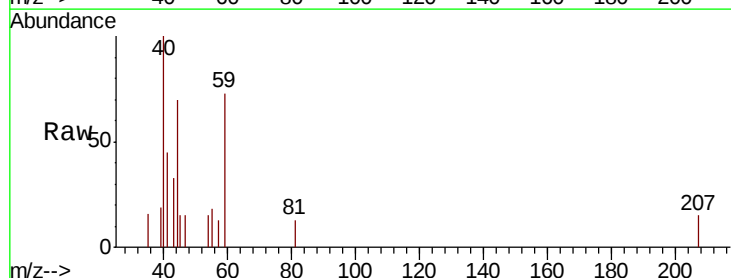
Acq: 03 Aug 2019 06:52

Tgt Ion: 59 Resp: 903

Ion Ratio Lower Upper

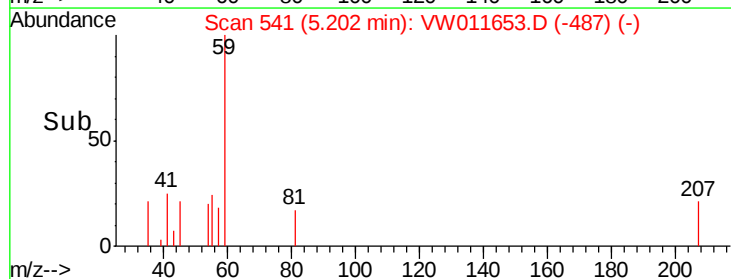
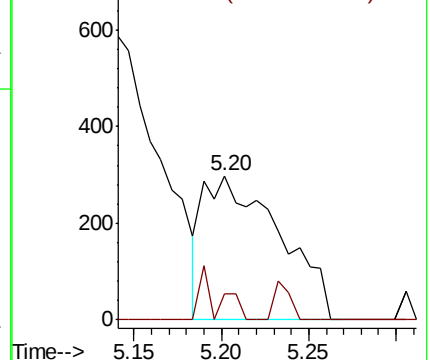
59 100

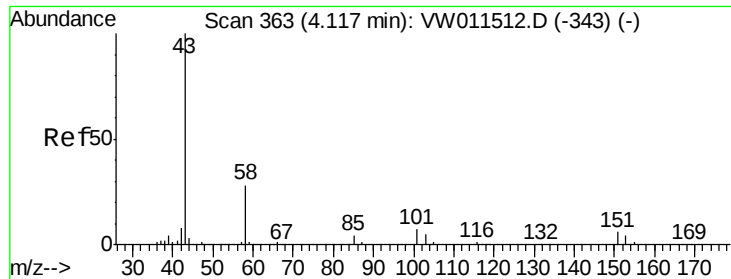
57 8.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

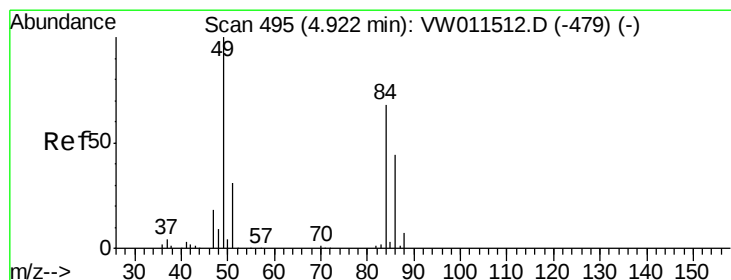
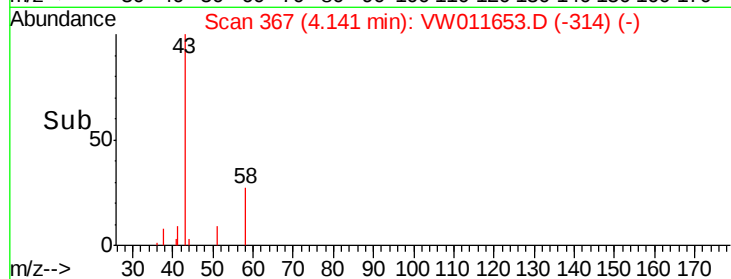
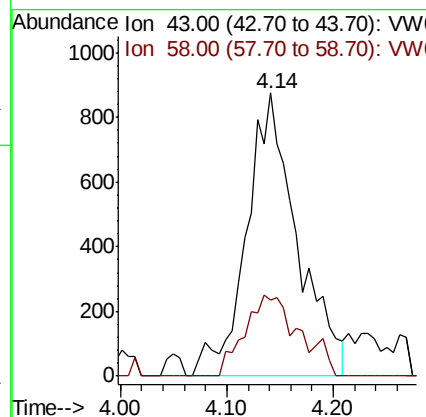
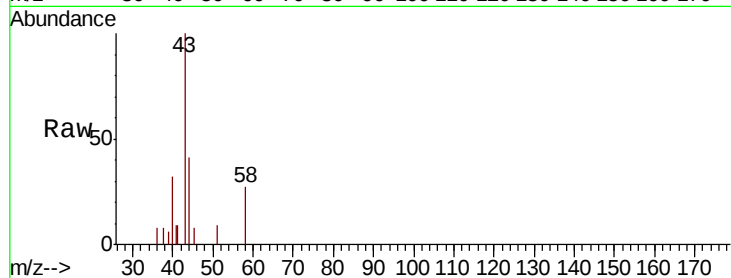




#16
Acetone
Concen: 3.598 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011653.D
Acq: 03 Aug 2019 06:52

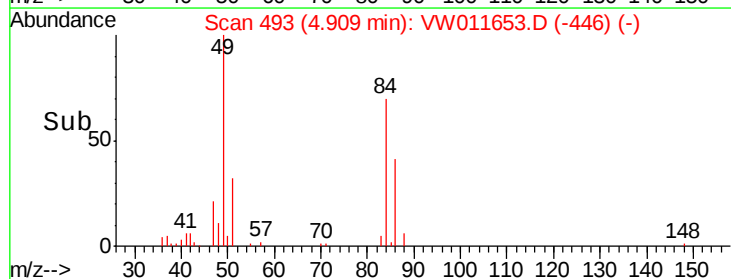
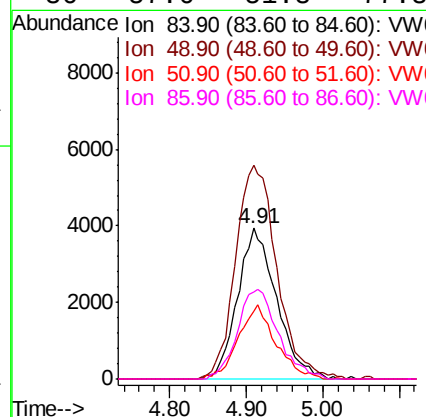
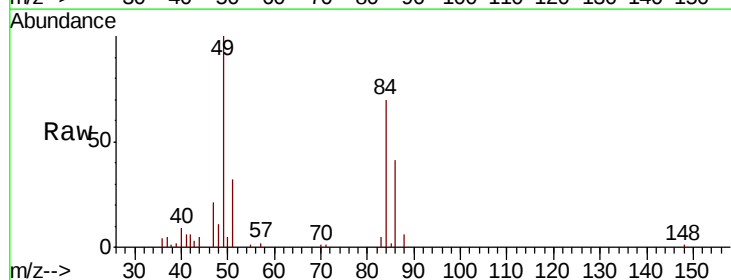
Instrument :
MSVOA_W
ClientSampleId :
1S-E4-(30)

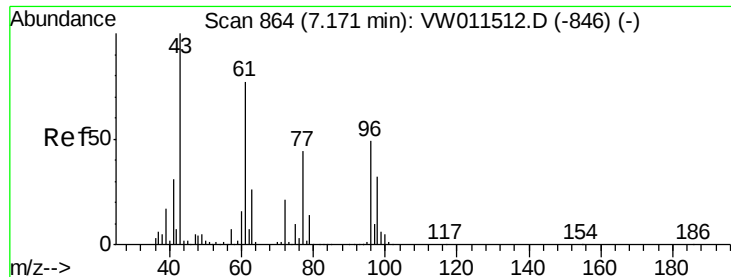
Tgt Ion: 43 Resp: 2922
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#20
Methylene Chloride
Concen: 4.985 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011653.D
Acq: 03 Aug 2019 06:52

Tgt Ion: 84 Resp: 13960
Ion Ratio Lower Upper
84 100
49 141.9 117.8 176.6
51 45.0 37.0 55.4
86 57.6 51.8 77.8





#25

2-Butanone

Concen: 3.036 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011653.D

Acq: 03 Aug 2019 06:52

Instrument :

MSVOA_W

ClientSampleId :

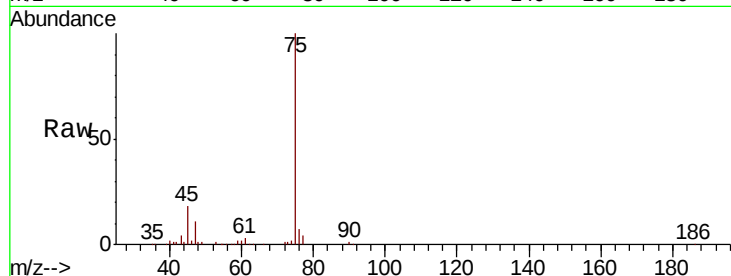
1S-E4-(30)

Tgt Ion: 43 Resp: 3226

Ion Ratio Lower Upper

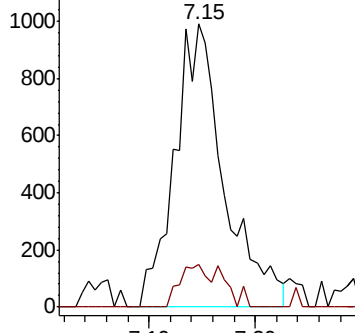
43 100

72 15.0 16.6 24.8#

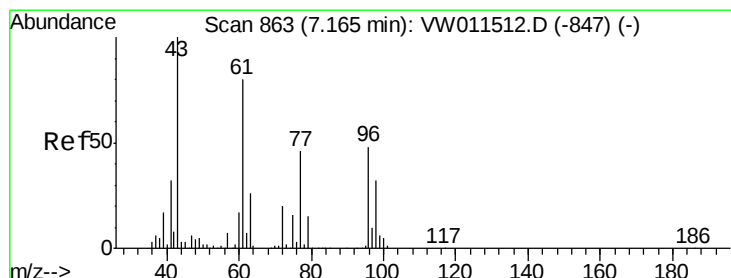
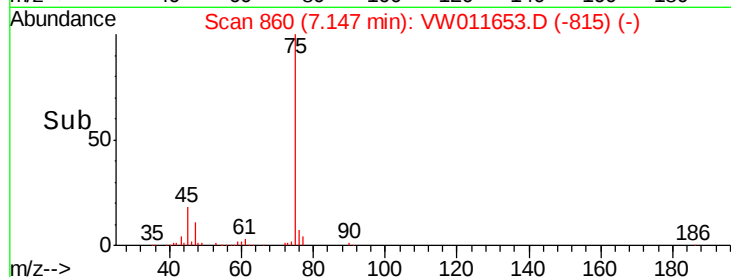


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 1.079 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011653.D

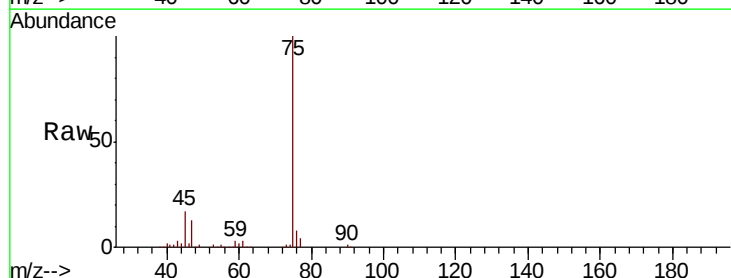
Acq: 03 Aug 2019 06:52

Tgt Ion: 77 Resp: 3300

Ion Ratio Lower Upper

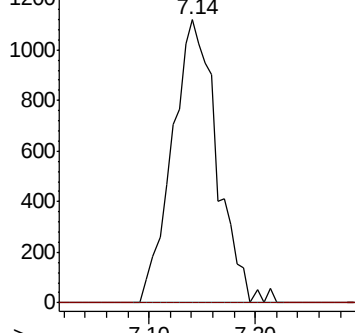
77 100

97 0.0 10.8 32.4#

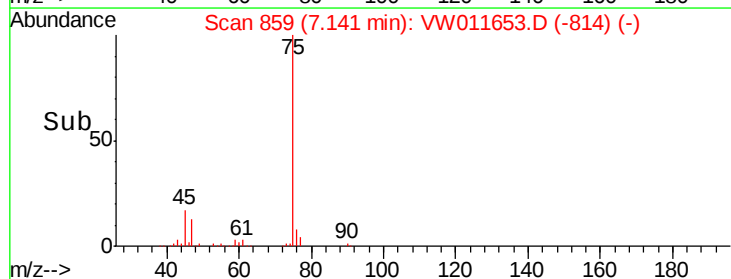


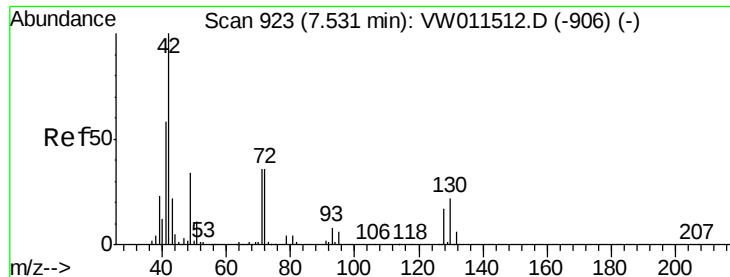
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->





#29

Tetrahydrofuran

Concen: 1.923 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011653.D

Acq: 03 Aug 2019 06:52

Instrument :

MSVOA_W

ClientSampled :

1S-E4-(30)

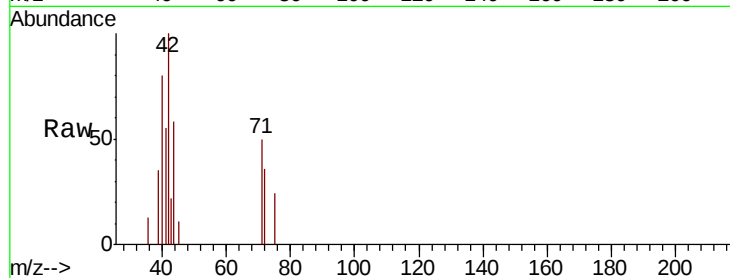
Tgt Ion: 42 Resp: 1168

Ion Ratio Lower Upper

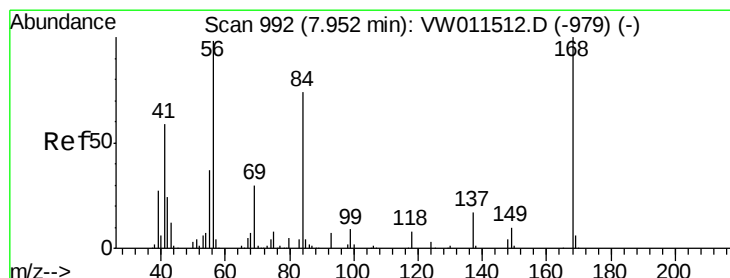
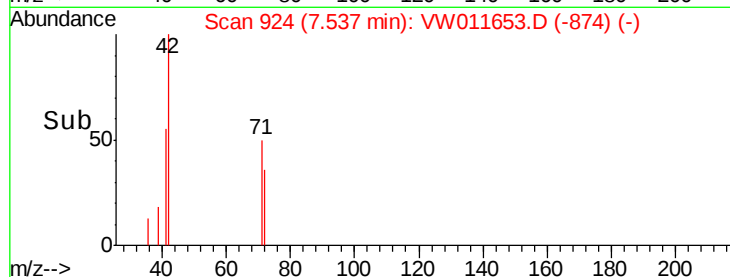
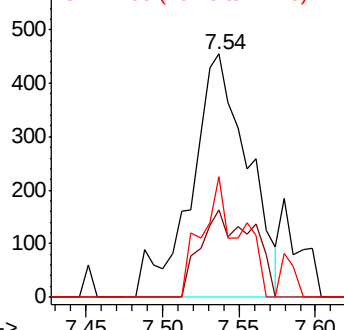
42 100

72 32.7 27.1 40.7

71 33.6 26.2 39.4



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: 1.090 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011653.D

Acq: 03 Aug 2019 06:52

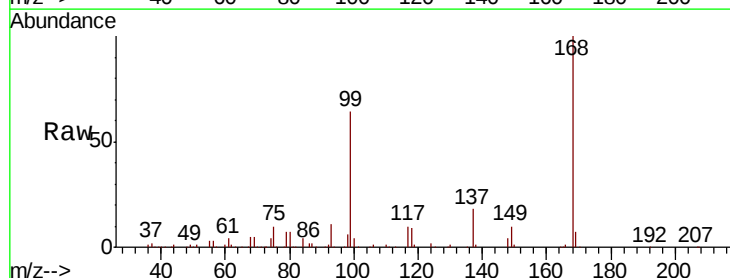
Tgt Ion: 56 Resp: 5201

Ion Ratio Lower Upper

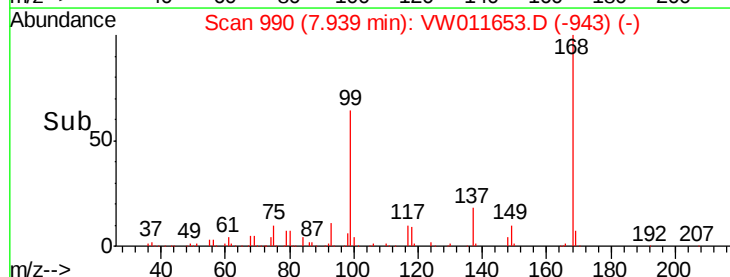
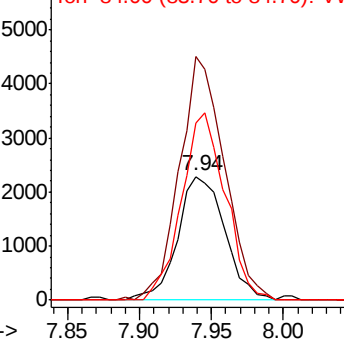
56 100

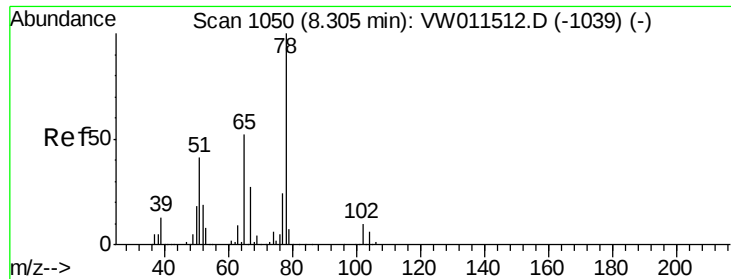
69 197.2 24.3 36.5#

84 143.0 60.4 90.6#



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

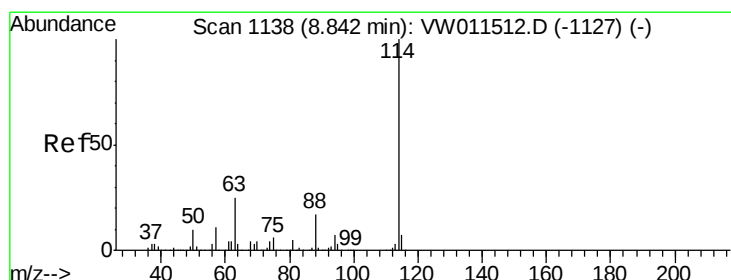
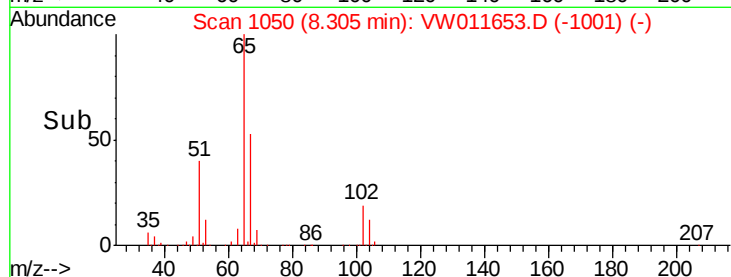
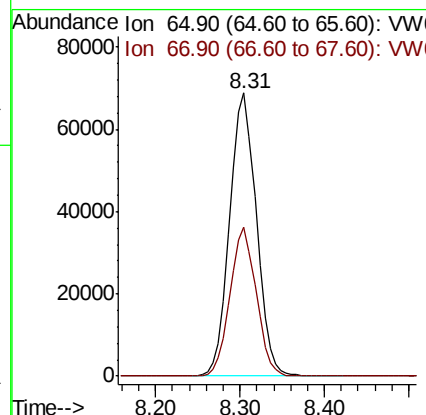
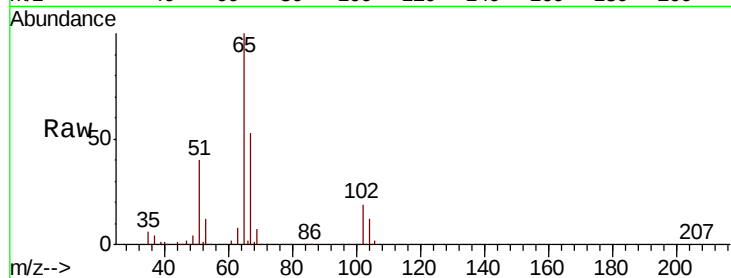




#33
 1,2-Dichloroethane-d4
 Concen: 58.037 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011653.D
 Acq: 03 Aug 2019 06:52

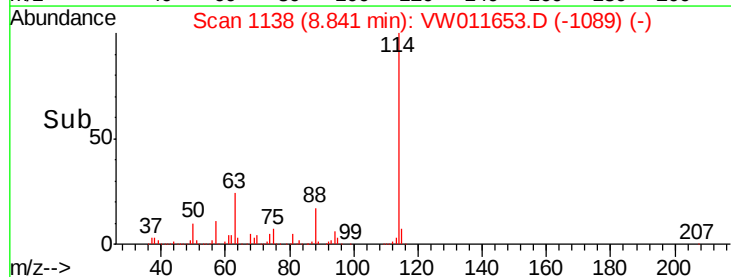
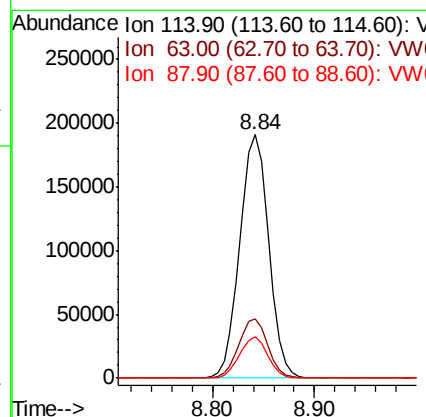
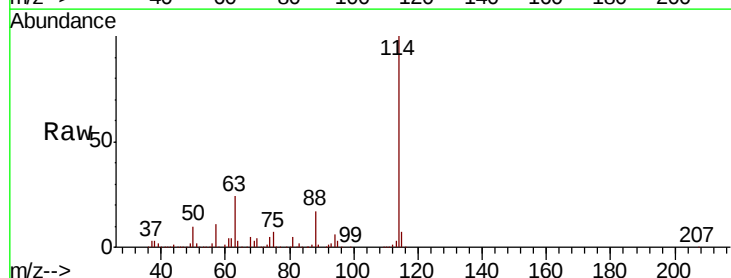
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 MSVOA_W
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 1S-E4-(30)

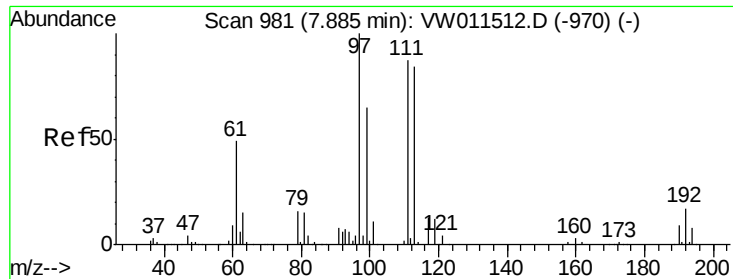
Tgt Ion: 65 Resp: 148155
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011653.D
 Acq: 03 Aug 2019 06:52

Tgt Ion: 114 Resp: 375567
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.7 0.0 33.8

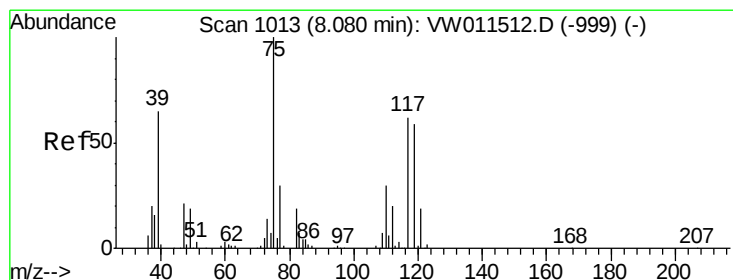
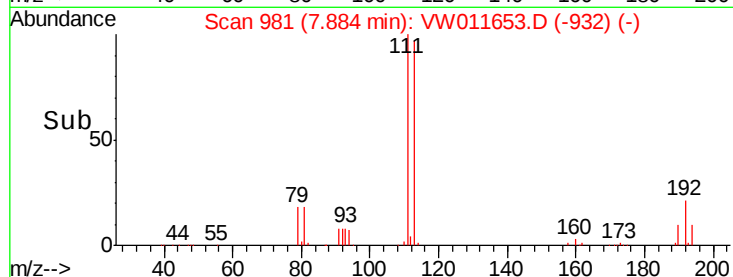
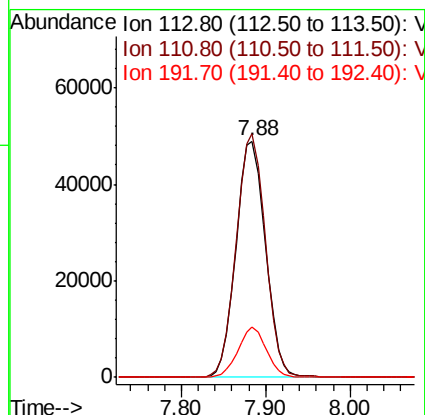
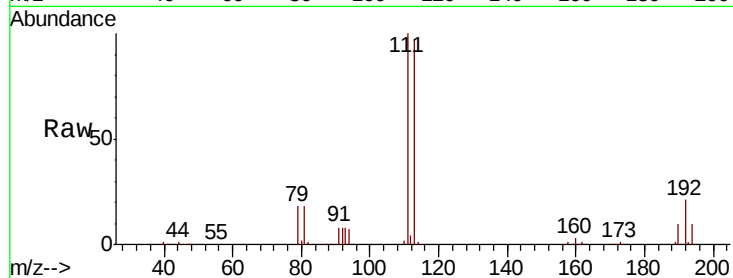




#35
 Dibromofluoromethane
 Concen: 55.020 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011653.D
 Acq: 03 Aug 2019 06:52

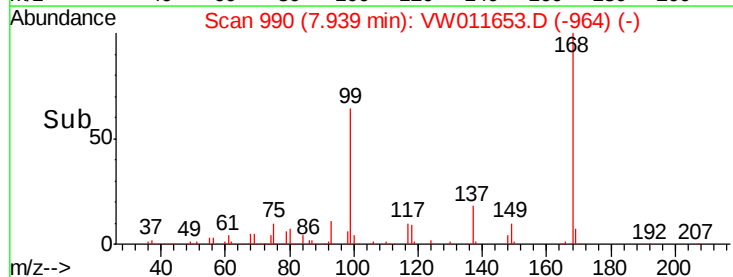
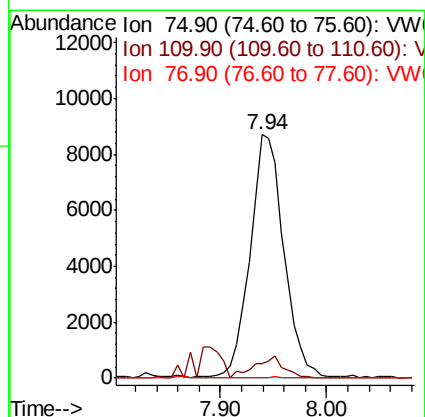
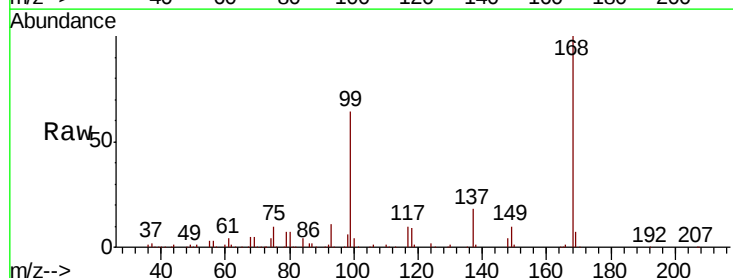
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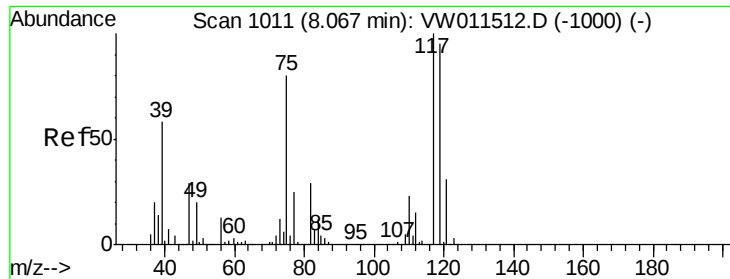
Tgt Ion:113 Resp: 115928
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 20.3 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.003 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011653.D
 Acq: 03 Aug 2019 06:52

Tgt Ion: 75 Resp: 19539
 Ion Ratio Lower Upper
 75 100
 110 7.0 15.6 46.8#
 77 0.1 24.3 36.5#

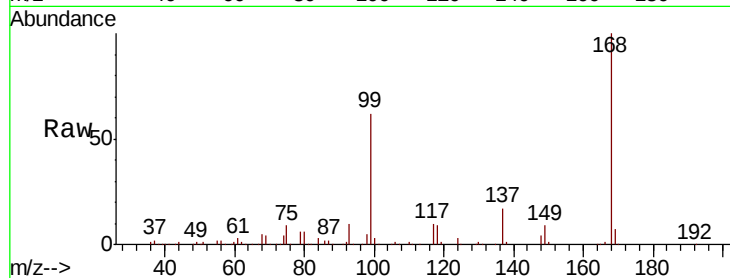




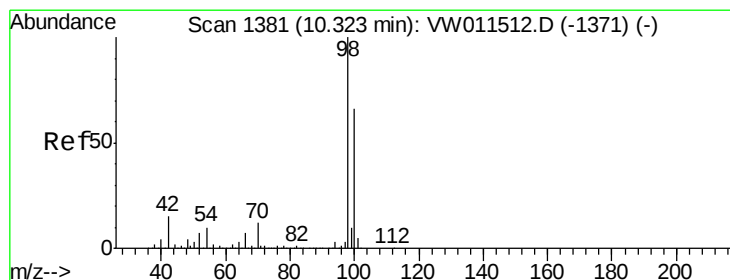
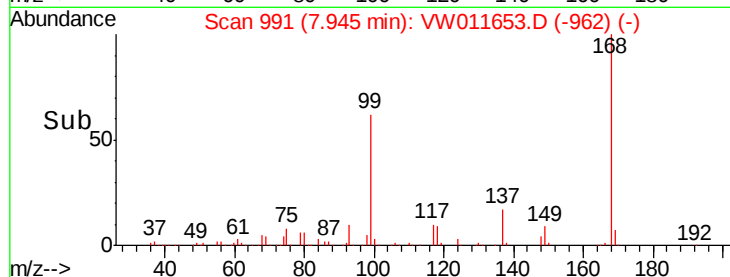
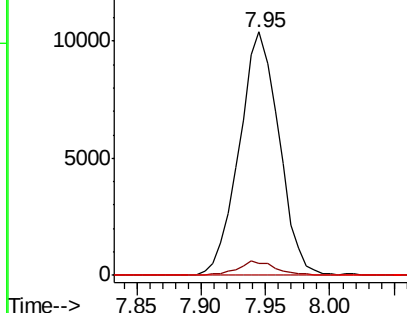
#38
Carbon Tetrachloride
Concen: 6.639 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011653.D
Acq: 03 Aug 2019 06:52

Instrument :
MSVOA_W
ClientSampleId :
1S-E4-(30)

Tgt Ion:117 Resp: 22195
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.7 37.1#

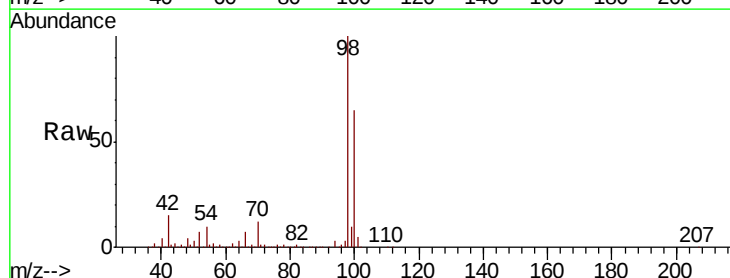


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

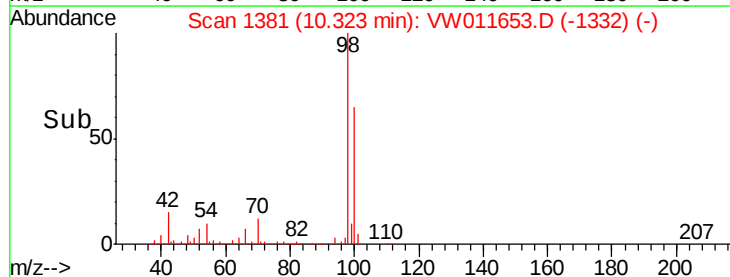
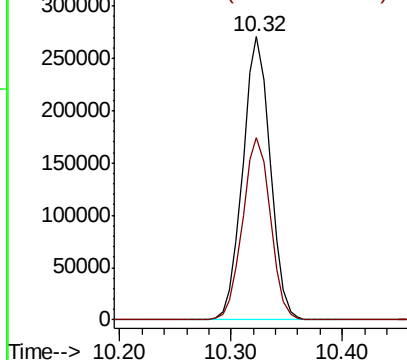


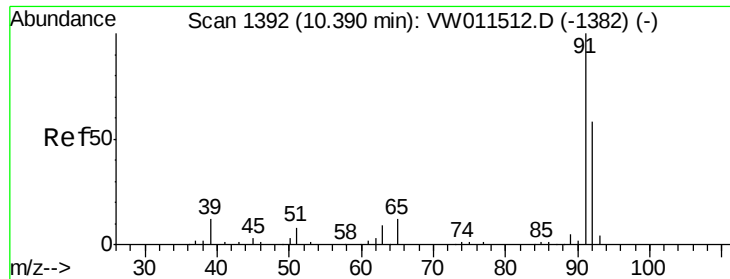
#50
Toluene-d8
Concen: 53.767 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011653.D
Acq: 03 Aug 2019 06:52

Tgt Ion: 98 Resp: 463833
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 4.939 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011653.D

Acq: 03 Aug 2019 06:52

Instrument :

MSVOA_W

ClientSampleId :

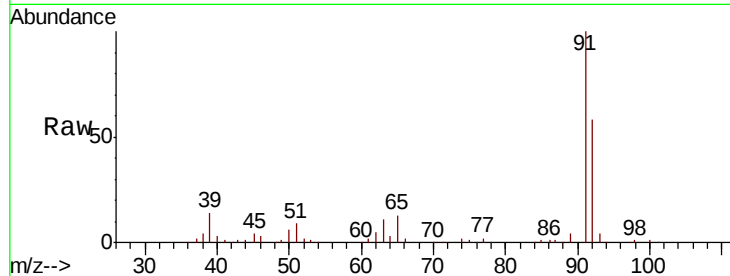
1S-E4-(30)

Tgt Ion: 92 Resp: 32628

Ion Ratio Lower Upper

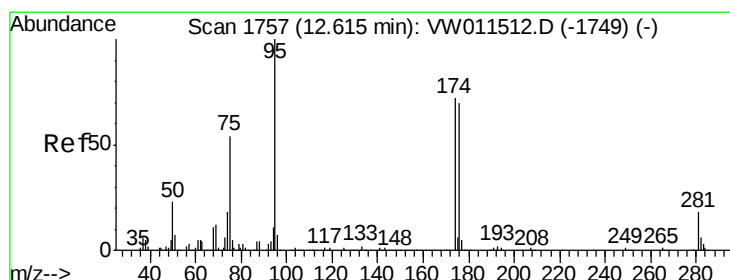
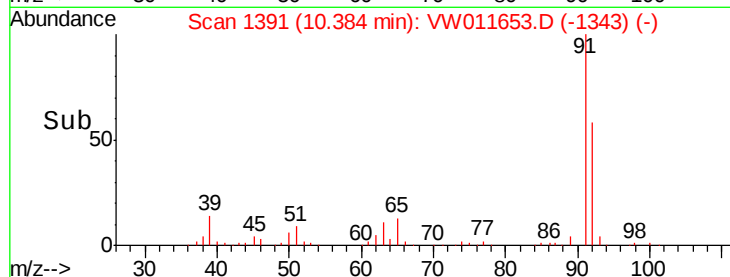
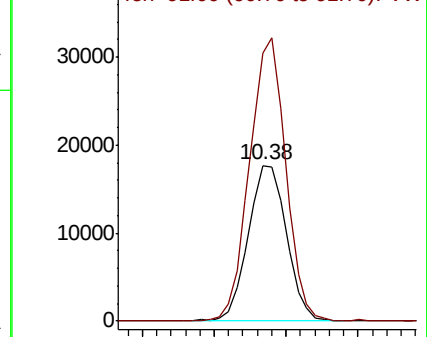
92 100

91 170.9 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 46.824 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011653.D

Acq: 03 Aug 2019 06:52

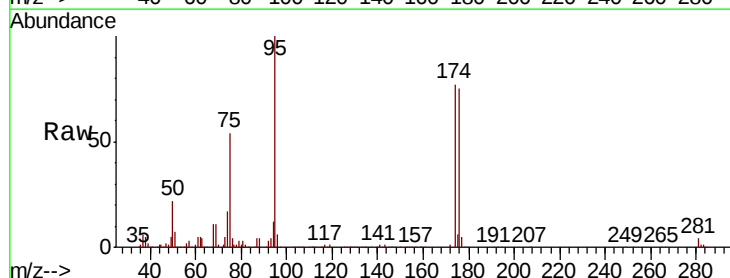
Tgt Ion: 95 Resp: 144011

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

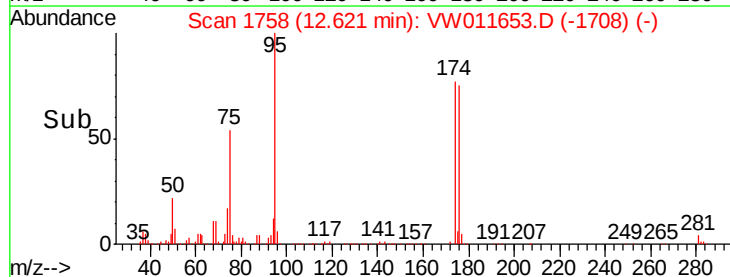
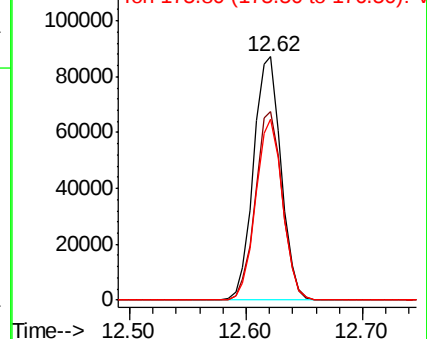
176 72.9 0.0 144.4

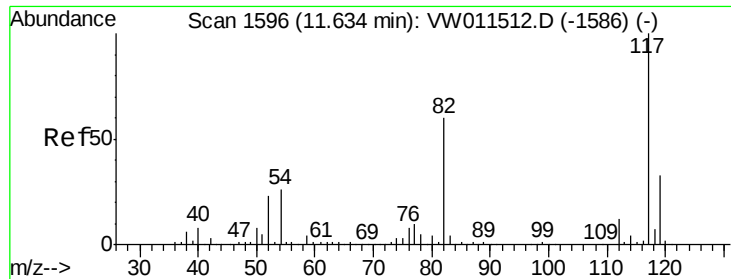


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

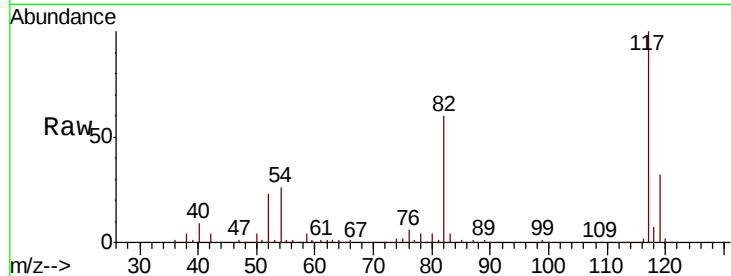




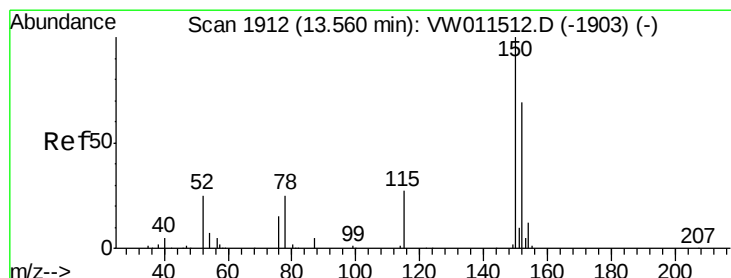
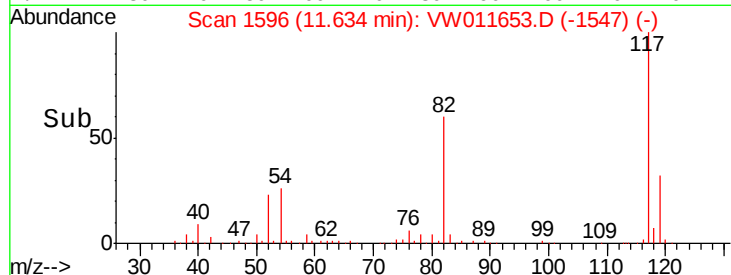
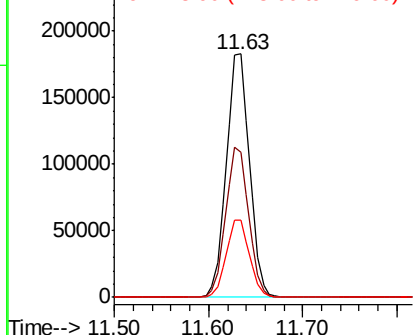
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011653.D
Acq: 03 Aug 2019 06:52

Instrument :
MSVOA_W
ClientSampleId :
1S-E4-(30)

Tgt Ion:117 Resp: 311816
Ion Ratio Lower Upper
117 100
82 59.5 47.9 71.9
119 31.8 26.2 39.2

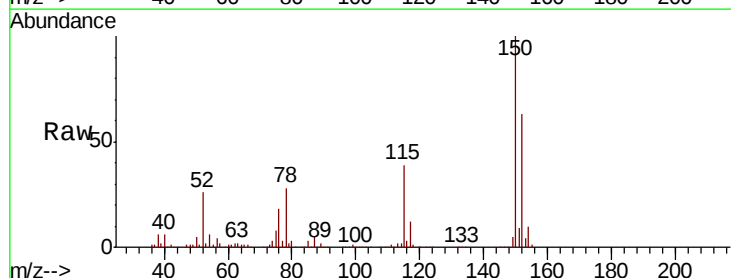


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

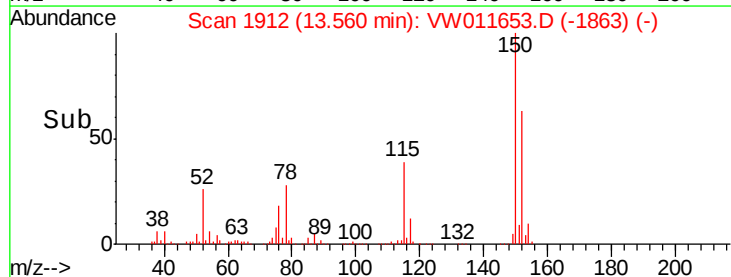
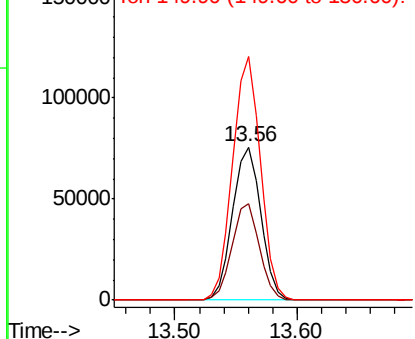


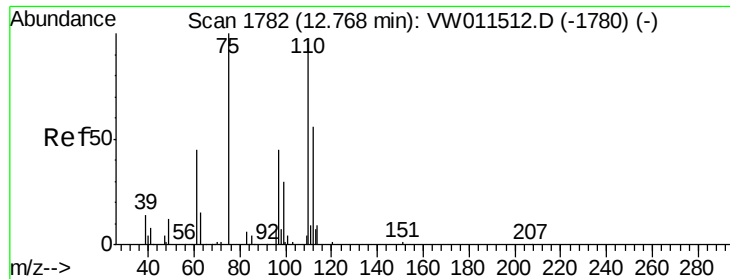
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011653.D
Acq: 03 Aug 2019 06:52

Tgt Ion:152 Resp: 121151
Ion Ratio Lower Upper
152 100
115 61.1 30.5 91.5
150 156.4 0.0 352.6



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

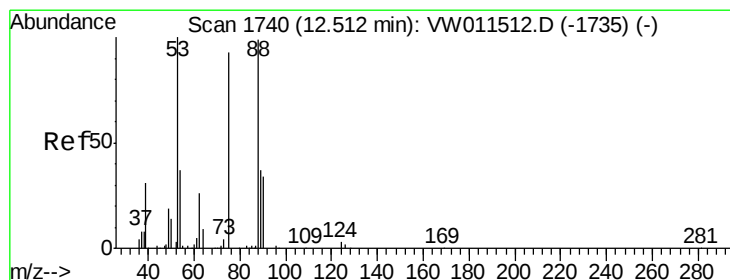
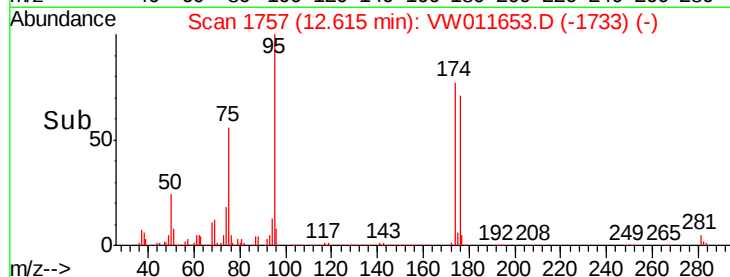
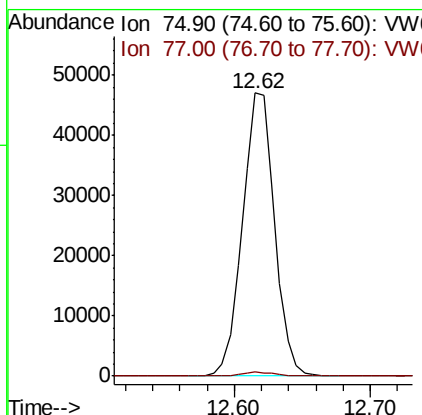
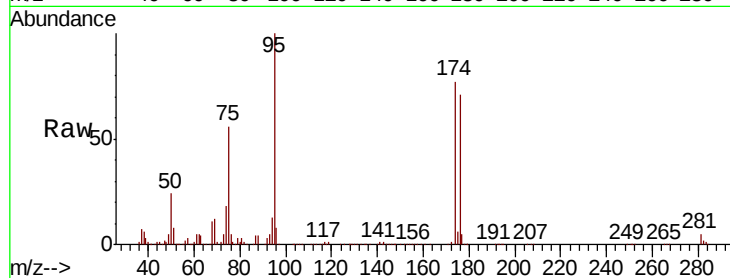




#76
 1,2,3-Trichloropropane
 Concen: 60.424 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011653.D
 Acq: 03 Aug 2019 06:52

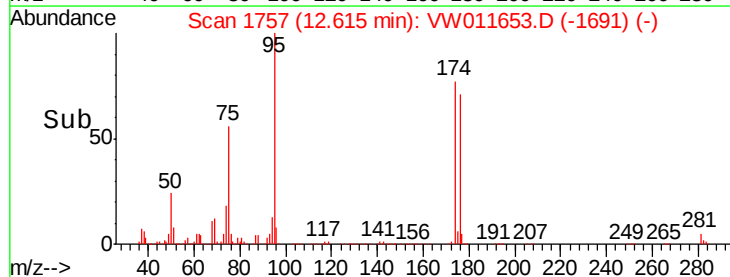
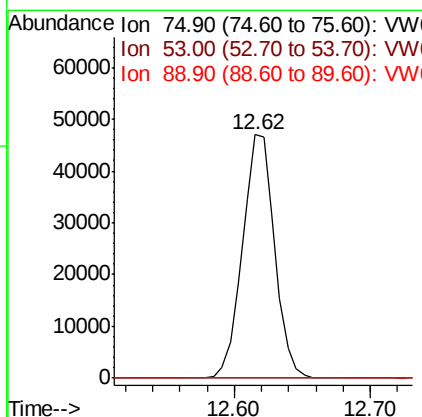
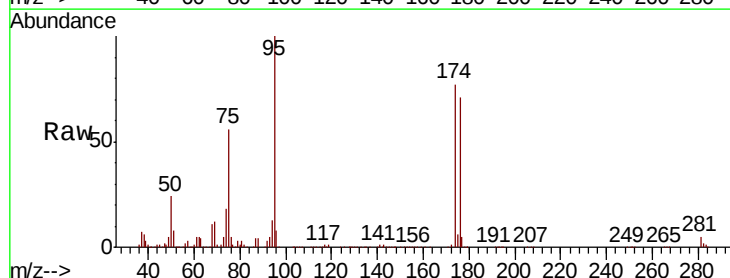
Instrument :
 MSVOA_W
 ClientSampled :
 1S-E4-(30)

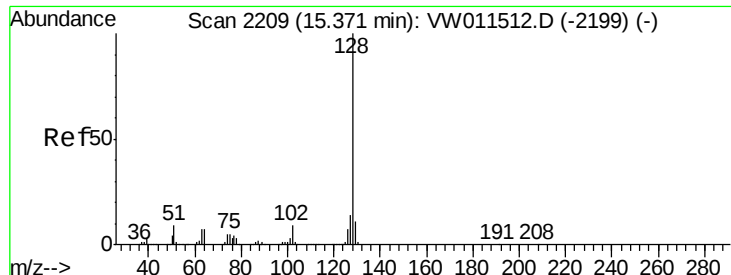
Tgt Ion: 75 Resp: 77458
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.255 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011653.D
 Acq: 03 Aug 2019 06:52

Tgt Ion: 75 Resp: 77458
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.098 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011653.D

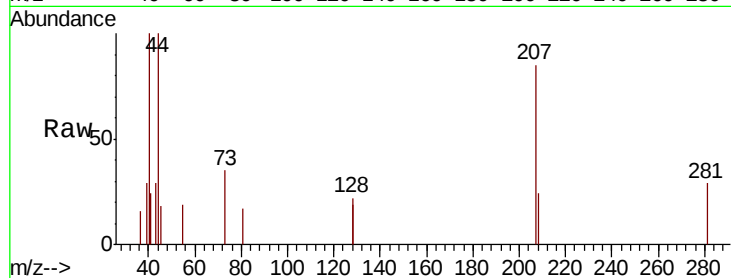
Acq: 03 Aug 2019 06:52

Instrument :

MSVOA_W

ClientSampleId :

1S-E4-(30)



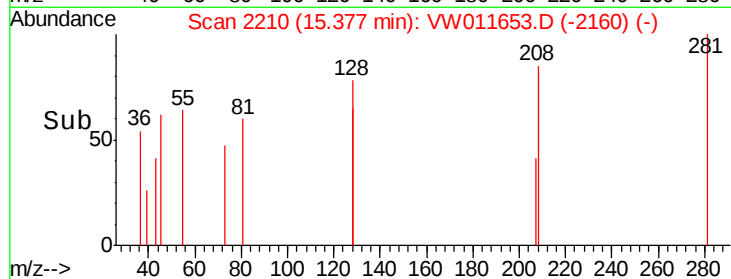
Tgt Ion:128 Resp: 158

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

