

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012263.D
 Acq On : 28 Aug 2019 19:07
 Operator : SY/VA
 Sample : K4510-07
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-43-8.5-9.0

Quant Time: Aug 29 06:48:59 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	14150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	21207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	15985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	3008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	7870	46.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.58%	
35) Dibromofluoromethane	7.89	113	6830	53.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.92%	
50) Toluene-d8	10.32	98	24074	46.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.62	95	5242	28.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	57.94%	

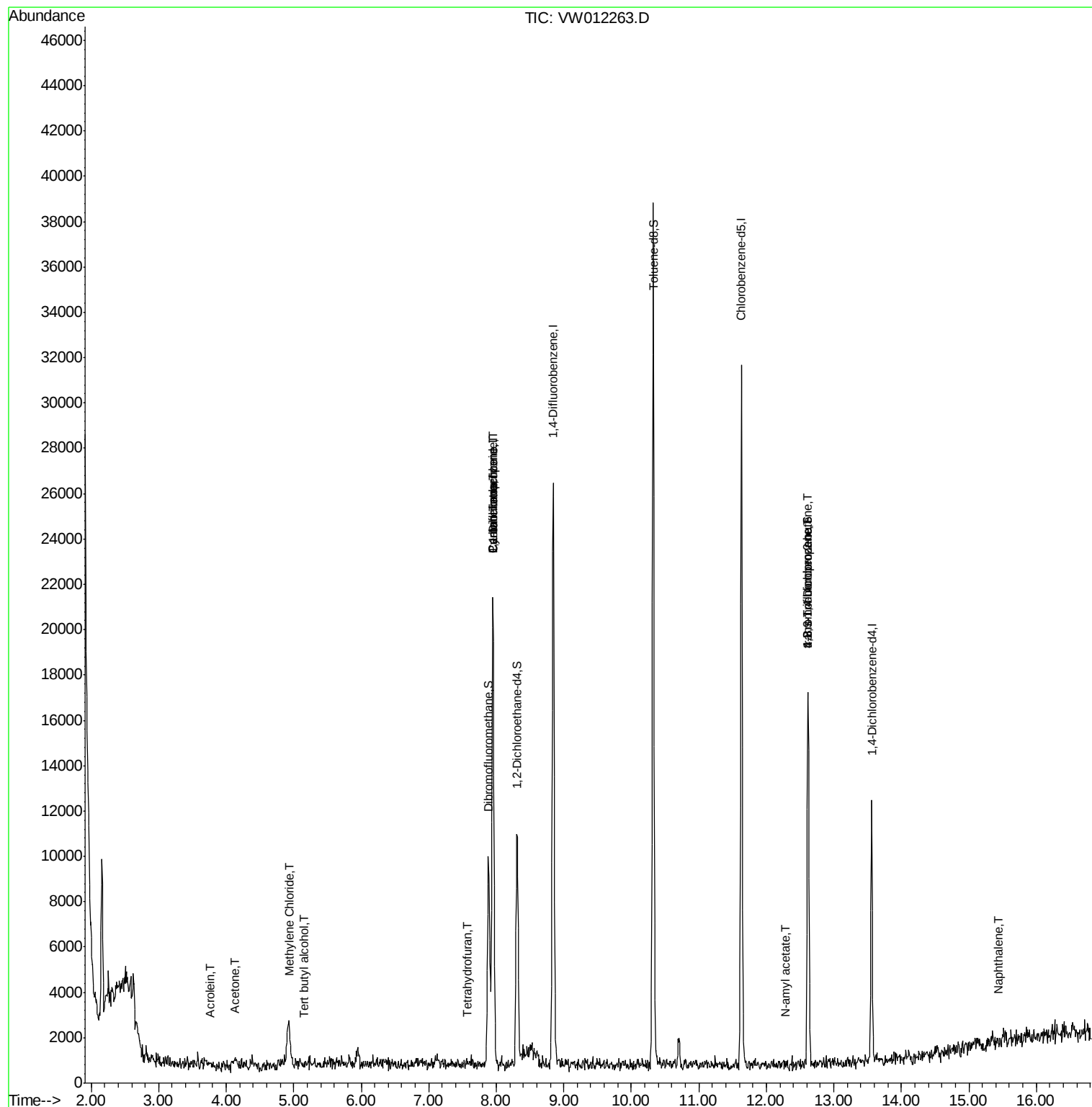
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	21	2.075	ug/l #	1
13) Acrolein	3.76	56	45	4.723	ug/l #	15
16) Acetone	4.13	43	639	14.861	ug/l #	47
20) Methylene Chloride	4.93	84	1253	7.708	ug/l #	70
29) Tetrahydrofuran	7.58	42	44	1.255	ug/l #	42
31) Cyclohexane	7.96	56	428	1.413	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	1248	5.695	ug/l #	49
38) Carbon Tetrachloride	7.95	117	1524	8.035	ug/l #	12
74) N-amyl acetate	12.28	43	127	1.865	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	2913	99.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	2913	218.013	ug/l #	6
95) Naphthalene	15.44	128	21	4.490	ug/l #	69

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

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QLast Update : Mon Aug 26 07:18:31 2019
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: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

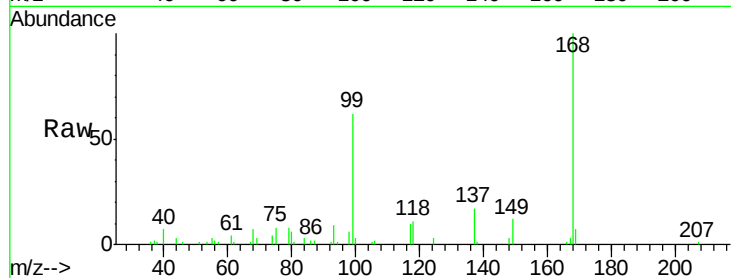
SB-43-8.5-9.0

Tot Ion:168 Resp: 14150

Ion Ratio Lower Upper

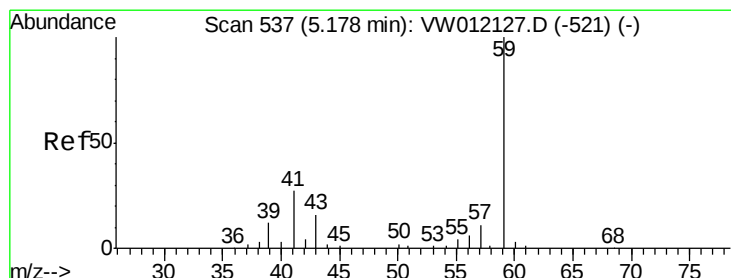
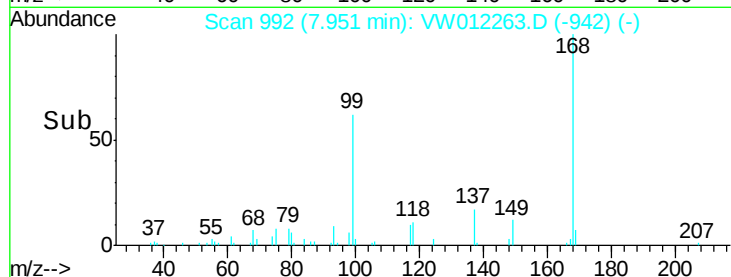
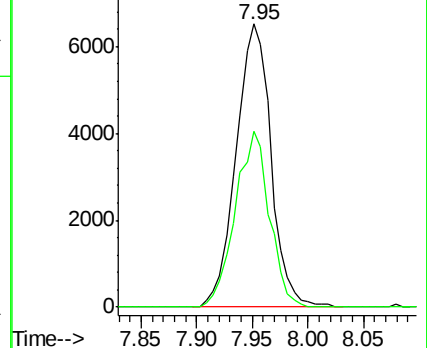
168 100

99 62.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.075 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.03 min

Lab File: VW012263.D

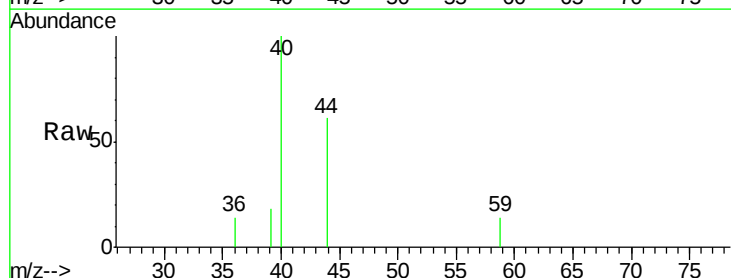
Acq: 28 Aug 2019 19:07

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

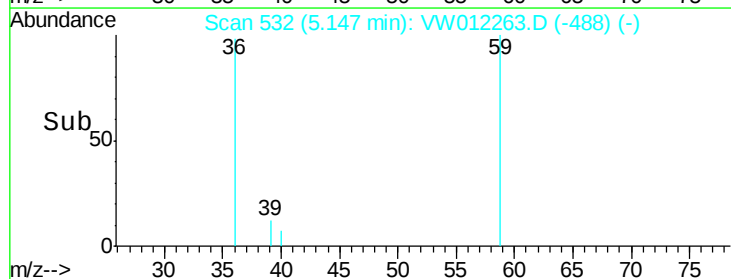
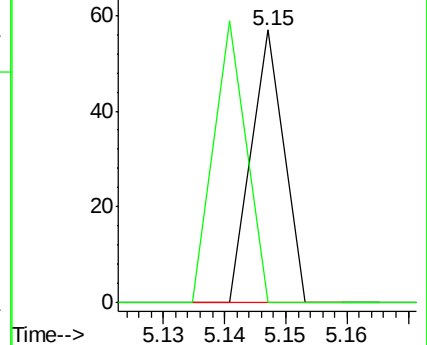
59 100

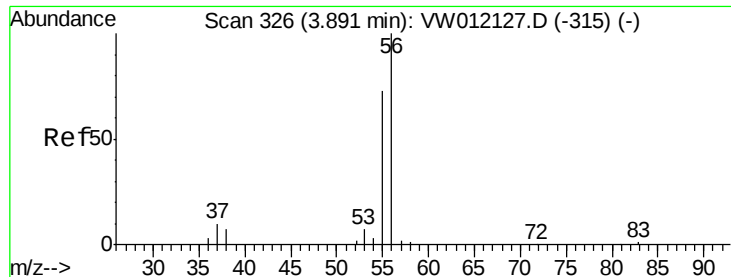
57 104.8 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.723 ug/l

RT: 3.76 min Scan# 305

Delta R.T. -0.13 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampled :

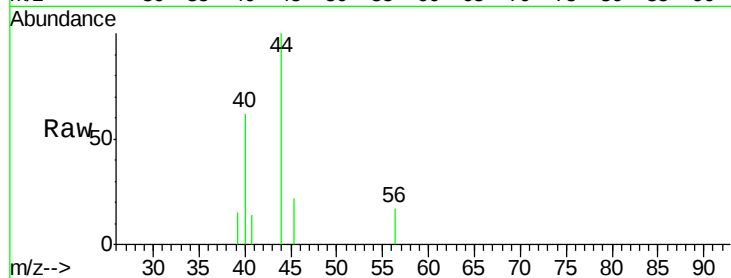
SB-43-8.5-9.0

Tot Ion: 56 Resp: 45

Ion Ratio Lower Upper

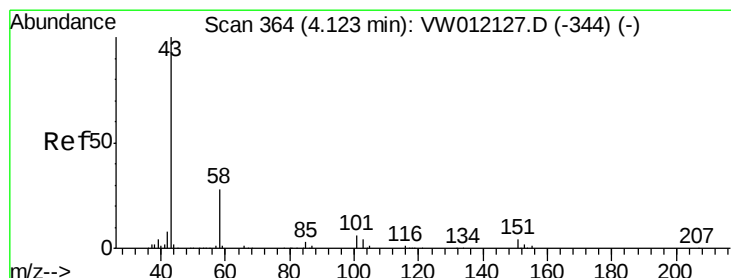
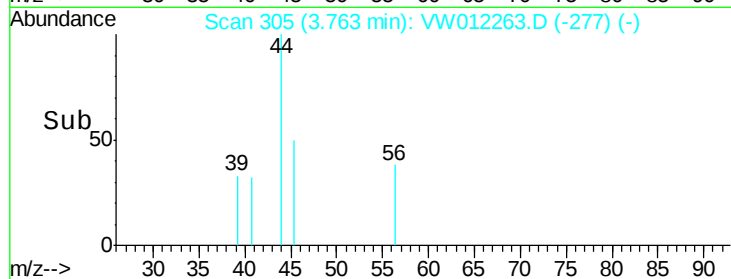
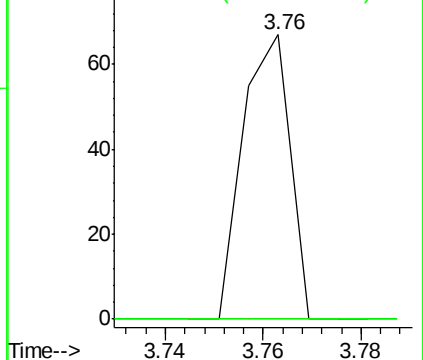
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 14.861 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012263.D

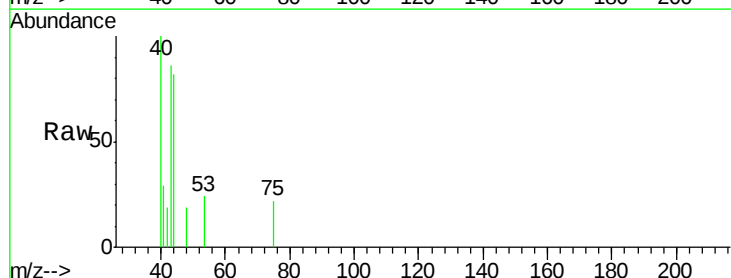
Acq: 28 Aug 2019 19:07

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

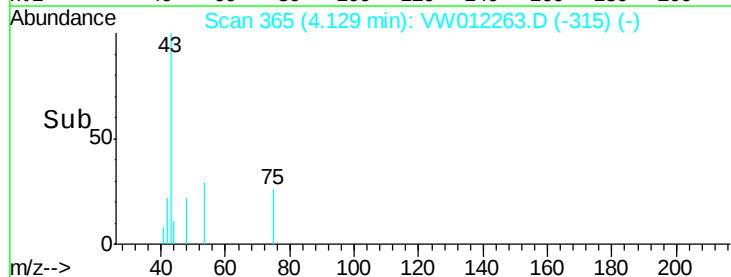
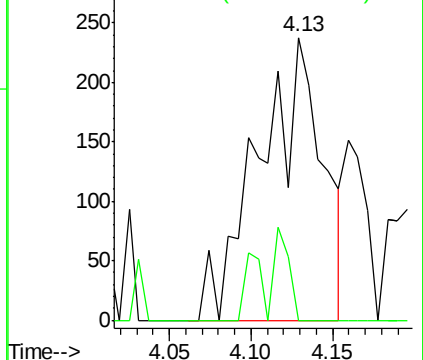
43 100

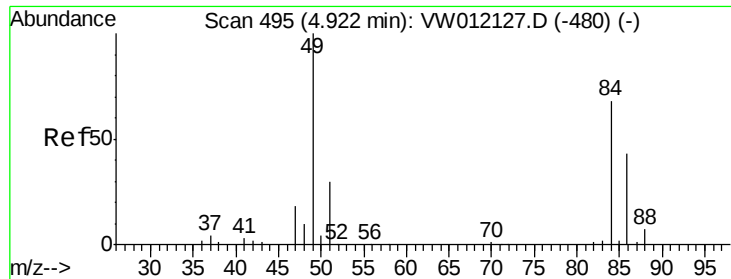
58 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

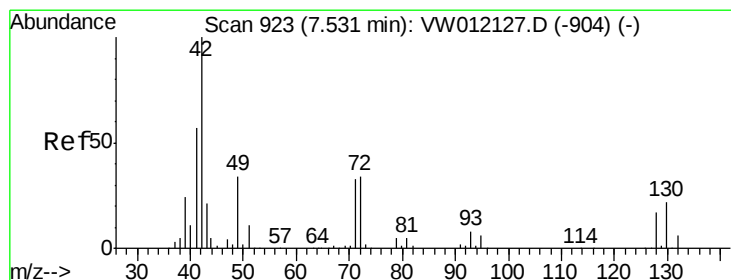
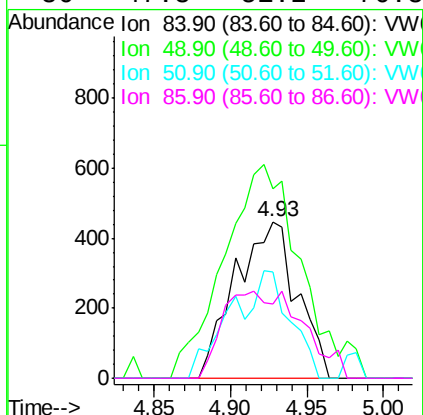
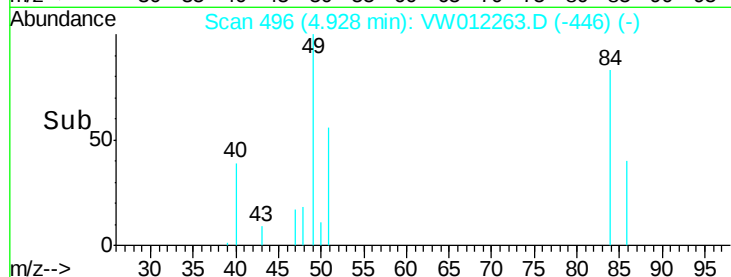
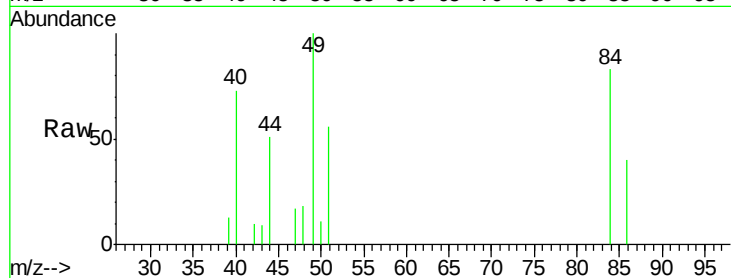




#20
Methvlene Chloride
Concen: 7.708 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW012263.D
Acq: 28 Aug 2019 19:07

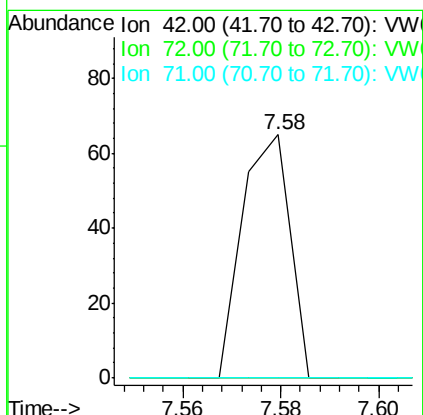
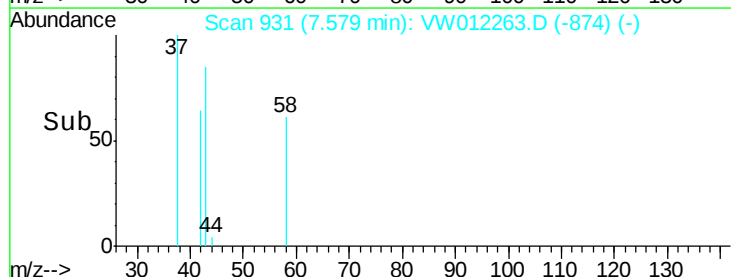
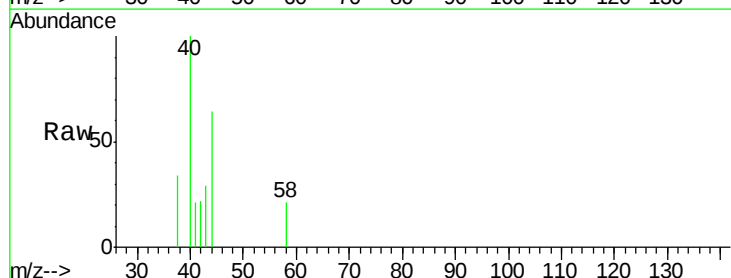
Instrument :
MSVOA_W
ClientSampleId :
SB-43-8.5-9.0

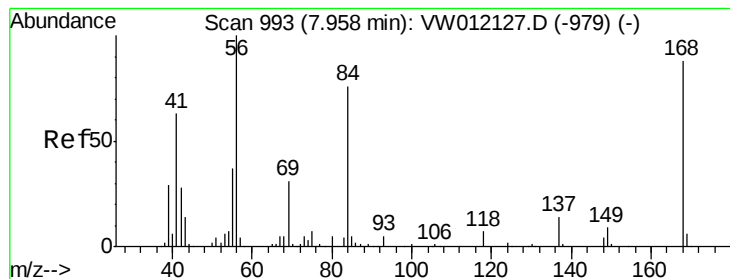
Tot Ion: 84 Resp: 1253
Ion Ratio Lower Upper
84 100
49 106.5 117.8 176.8#
51 68.1 35.6 53.4#
86 47.8 51.2 76.8#



#29
Tetrahydrofuran
Concen: 1.255 ug/l
RT: 7.58 min Scan# 931
Delta R.T. 0.05 min
Lab File: VW012263.D
Acq: 28 Aug 2019 19:07

Tgt Ion: 42 Resp: 44
Ion Ratio Lower Upper
42 100
72 0.0 27.3 40.9#
71 0.0 25.5 38.3#





#31

Cyclohexane

Concen: 1.413 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampled :

SB-43-8.5-9.0

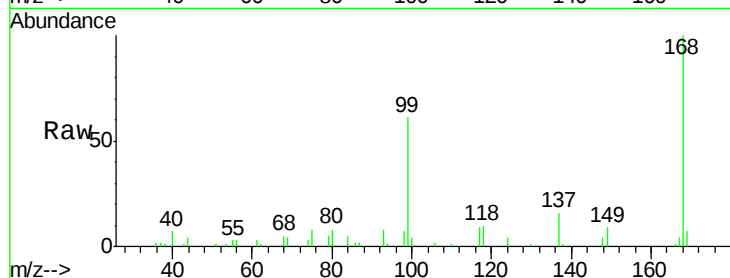
Tot Ion: 56 Resp: 428

Ion Ratio Lower Upper

56 100

69 132.8 24.9 37.3#

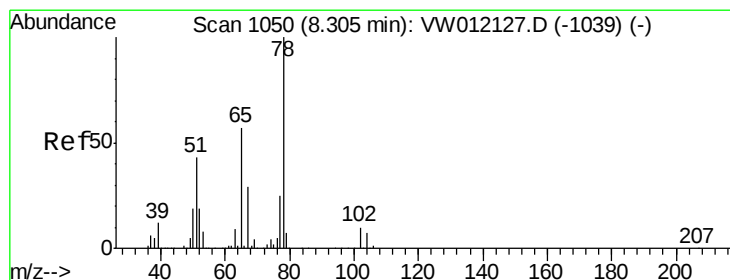
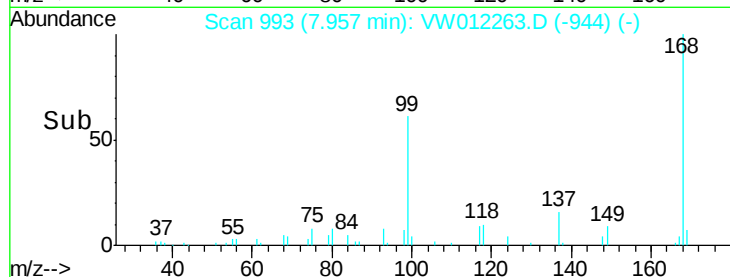
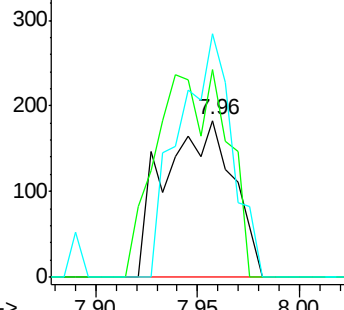
84 155.2 60.6 90.8#



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: 46.787 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012263.D

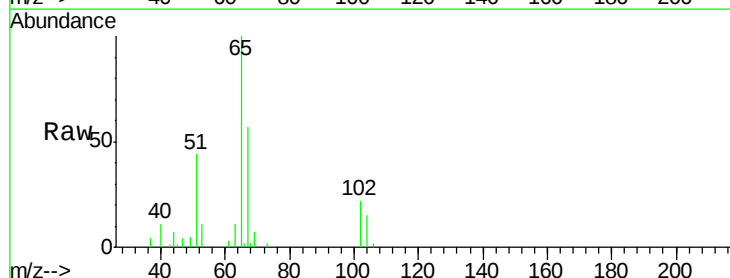
Acq: 28 Aug 2019 19:07

Tgt Ion: 65 Resp: 7870

Ion Ratio Lower Upper

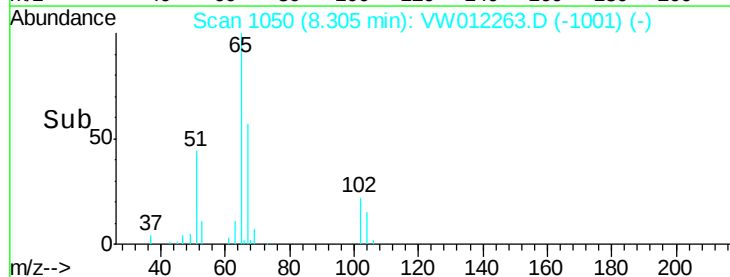
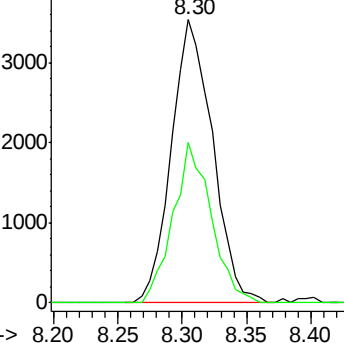
65 100

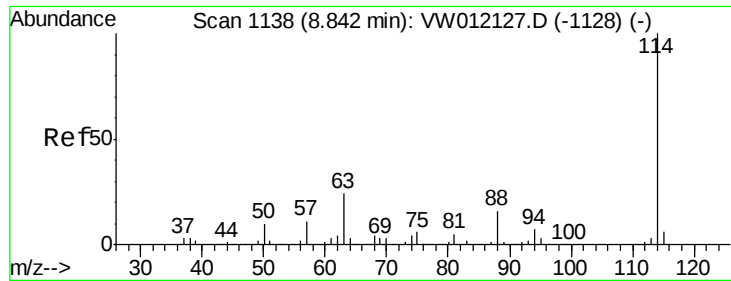
67 52.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

SB-43-8.5-9.0

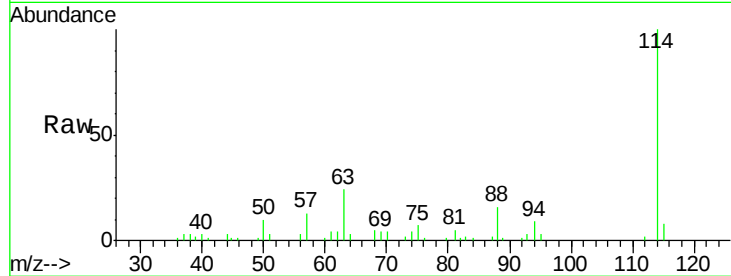
Tot Ion:114 Resp: 21207

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

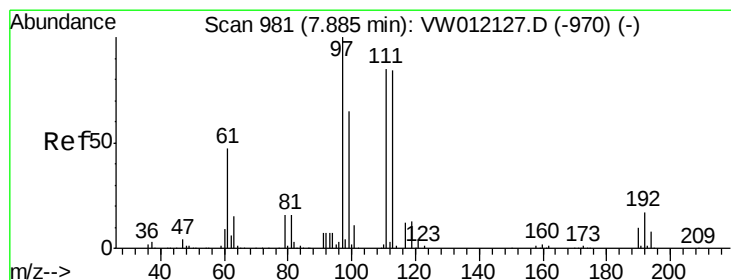
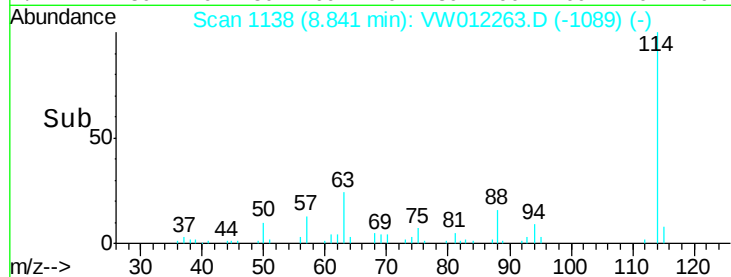
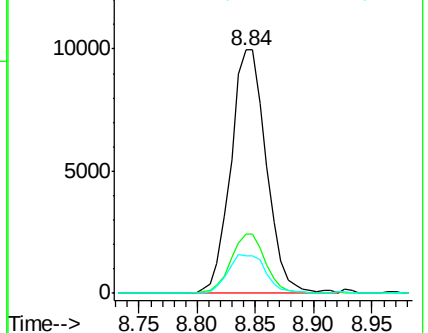
88 15.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.956 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

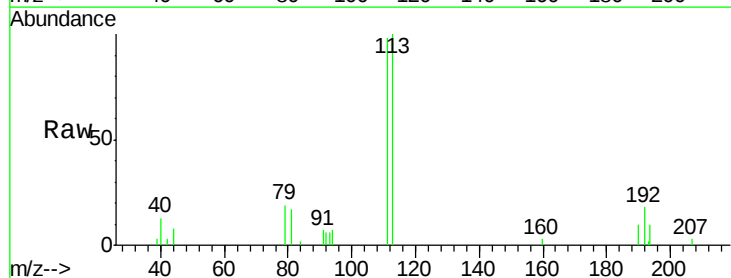
Tgt Ion:113 Resp: 6830

Ion Ratio Lower Upper

113 100

111 105.1 82.7 124.1

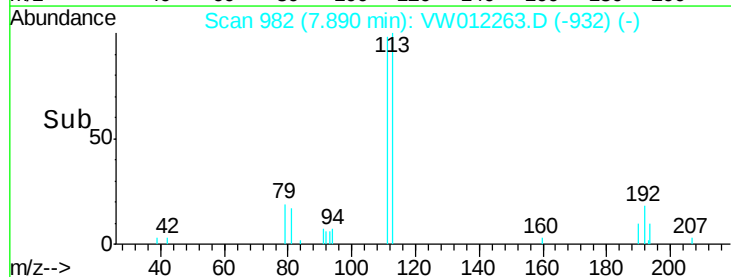
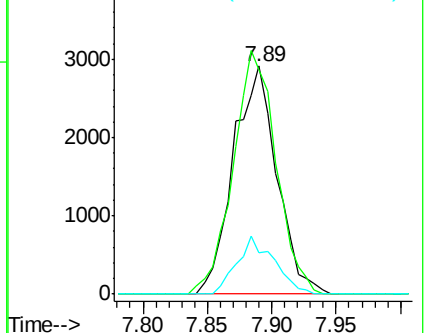
192 21.7 16.2 24.2

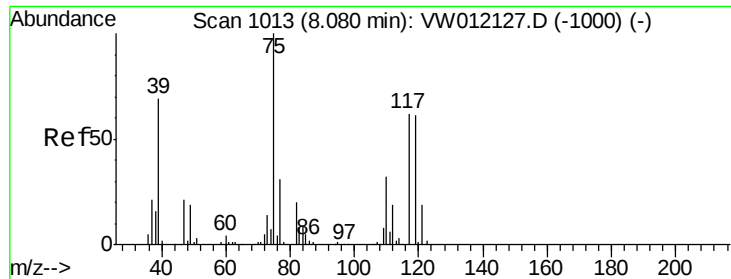


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.695 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

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SB-43-8.5-9.0

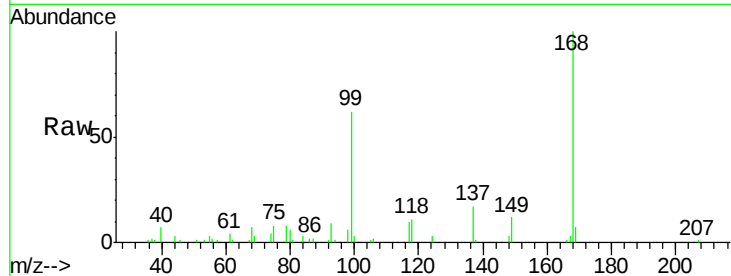
Tot Ion: 75 Resp: 1248

Ion Ratio Lower Upper

75 100

110 5.4 15.6 46.8#

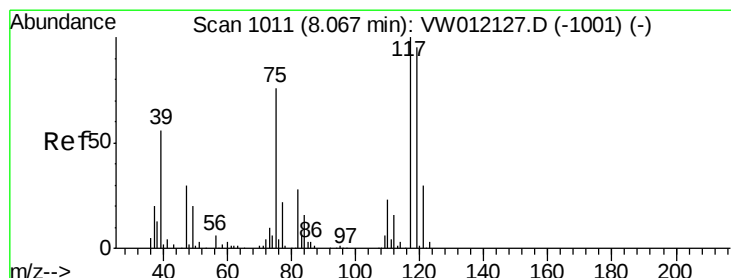
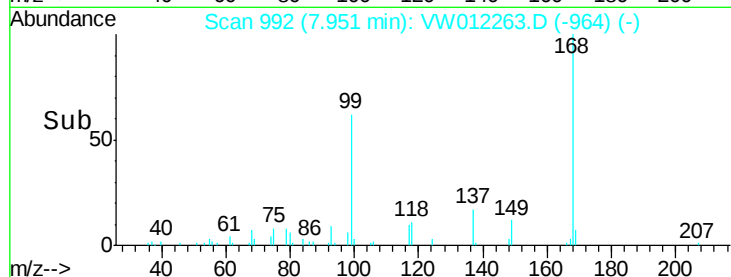
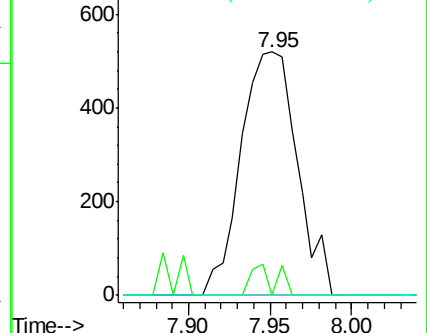
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 8.035 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

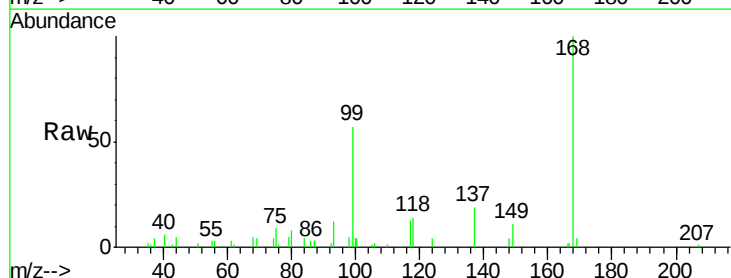
Tgt Ion: 117 Resp: 1524

Ion Ratio Lower Upper

117 100

119 0.0 76.2 114.2#

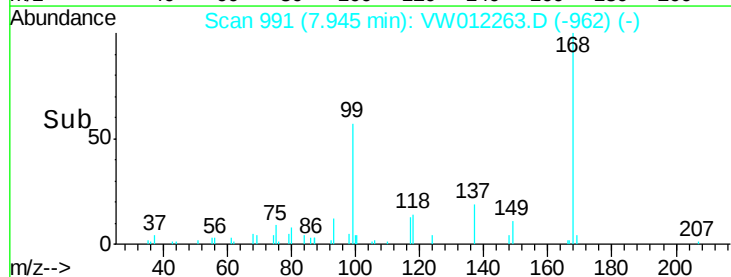
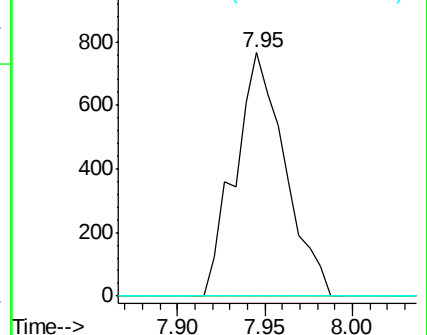
121 0.0 23.8 35.8#

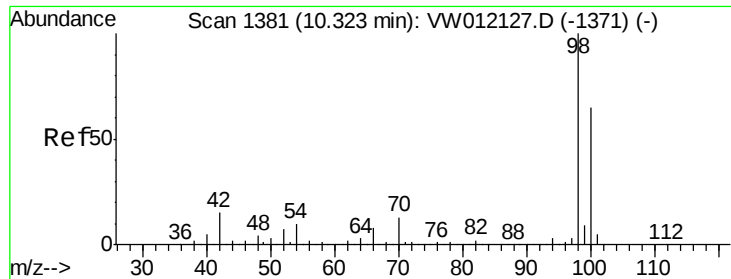


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.904 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

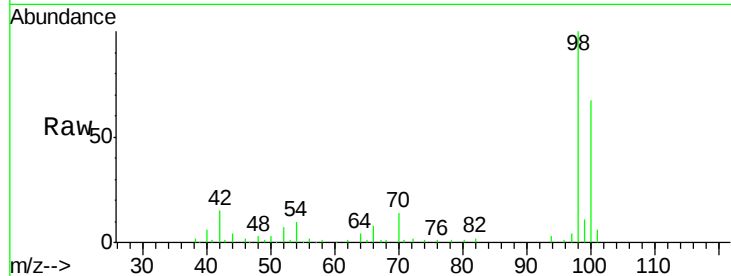
SB-43-8.5-9.0

Tot Ion: 98 Resp: 24074

Ion Ratio Lower Upper

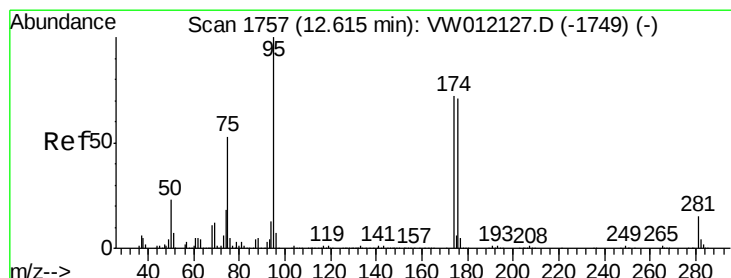
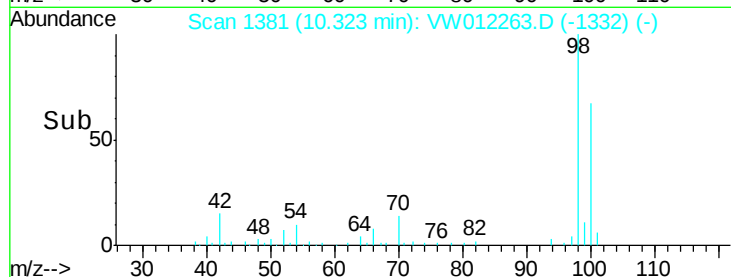
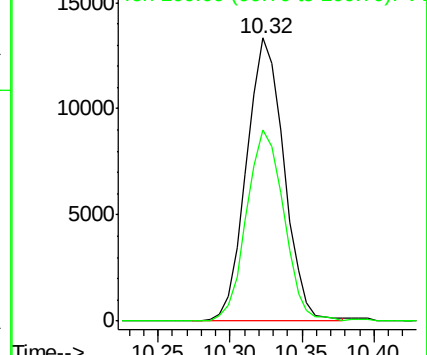
98 100

100 67.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 28.973 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

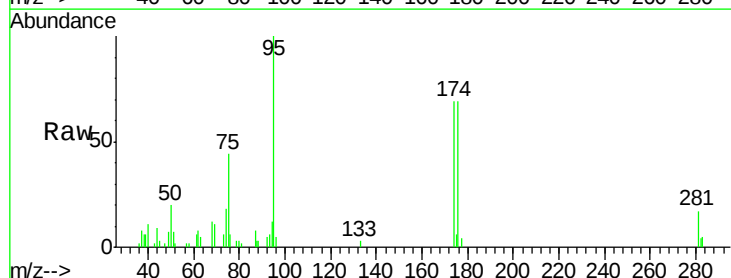
Tgt Ion: 95 Resp: 5242

Ion Ratio Lower Upper

95 100

174 80.6 0.0 150.8

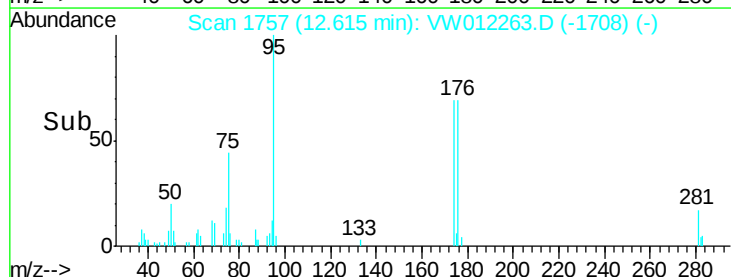
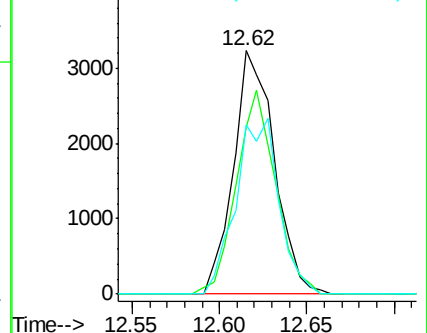
176 76.0 0.0 148.6

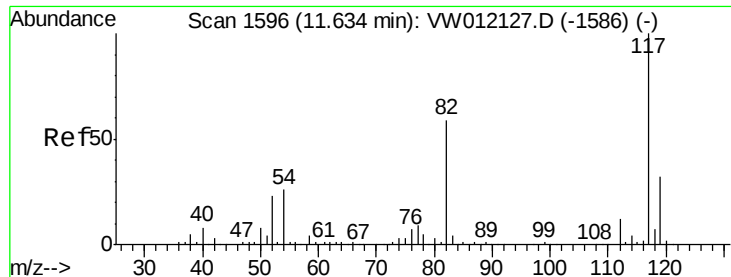


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

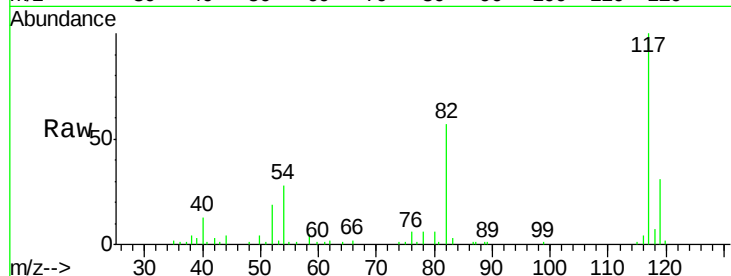




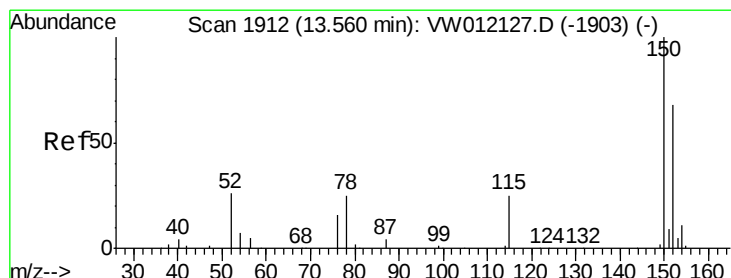
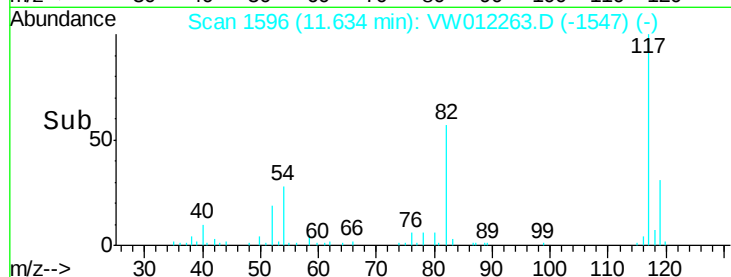
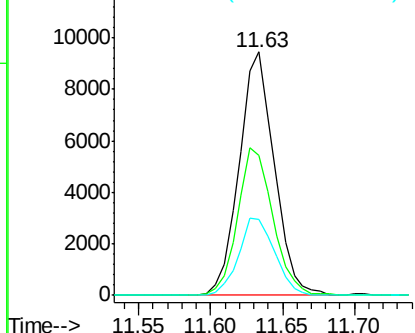
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012263.D
Acq: 28 Aug 2019 19:07

Instrument :
MSVOA_W
ClientSampled :
SB-43-8.5-9.0

Tot Ion:117 Resp: 15985
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.1 25.4 38.2

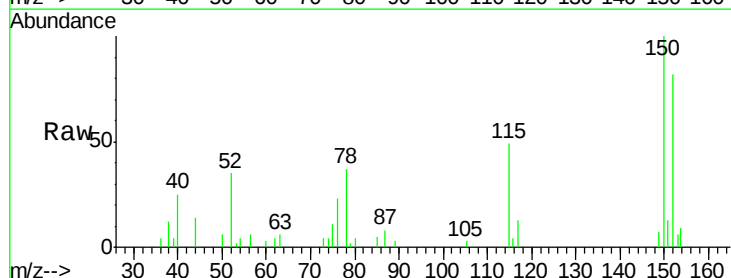


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

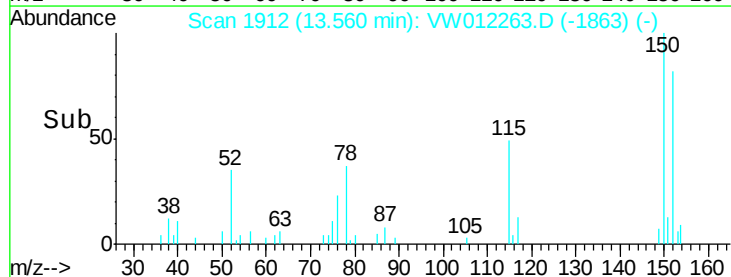
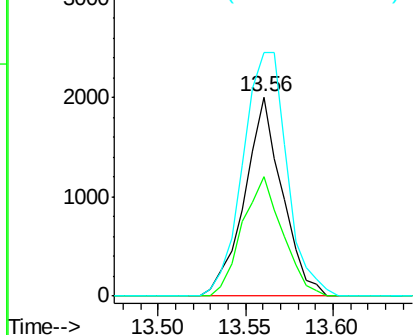


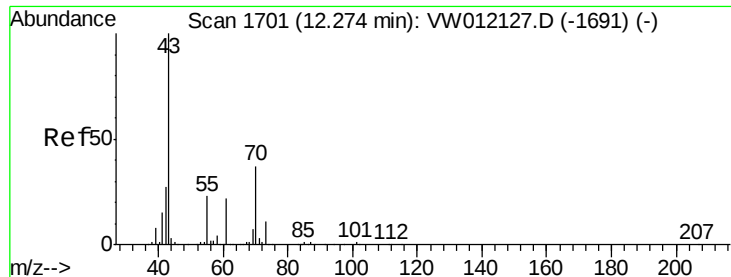
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012263.D
Acq: 28 Aug 2019 19:07

Tgt Ion:152 Resp: 3008
Ion Ratio Lower Upper
152 100
115 64.1 30.1 90.3
150 143.7 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





#74

N-amvl acetate

Concen: 1.865 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

SB-43-8.5-9.0

Tot Ion: 43 Resp: 127

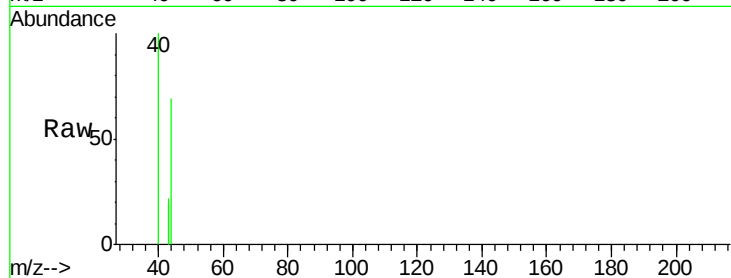
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 0.0 17.8 26.6#

61 0.0 17.3 25.9#

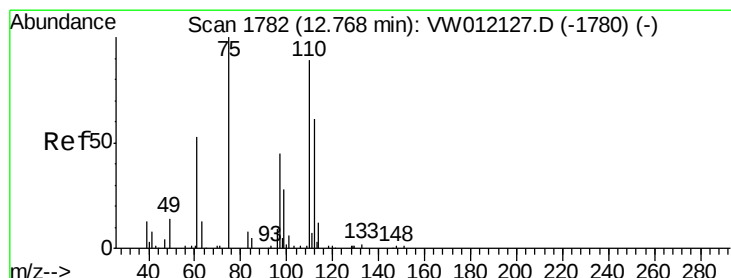
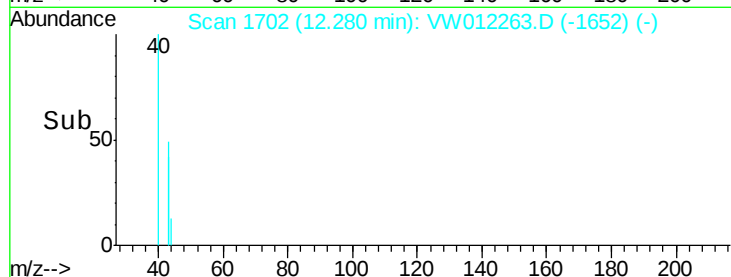
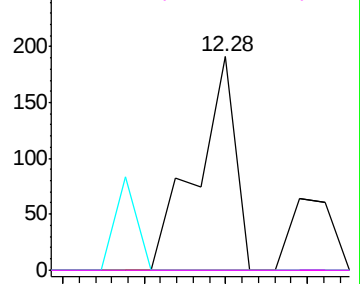


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 99.434 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012263.D

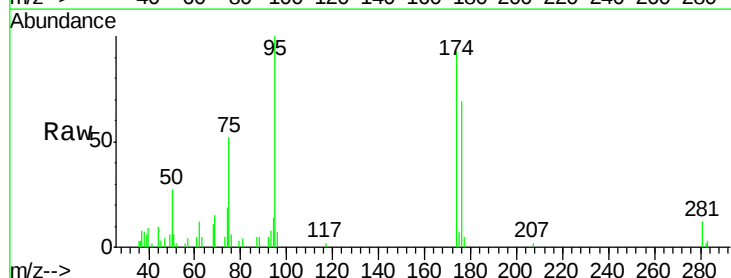
Acq: 28 Aug 2019 19:07

Tgt Ion: 75 Resp: 2913

Ion Ratio Lower Upper

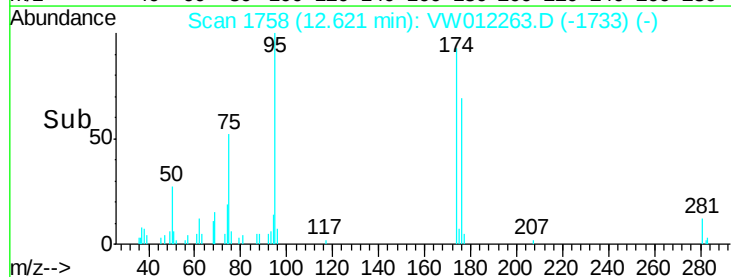
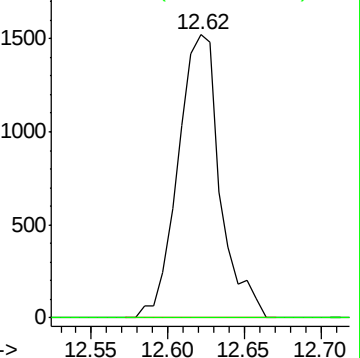
75 100

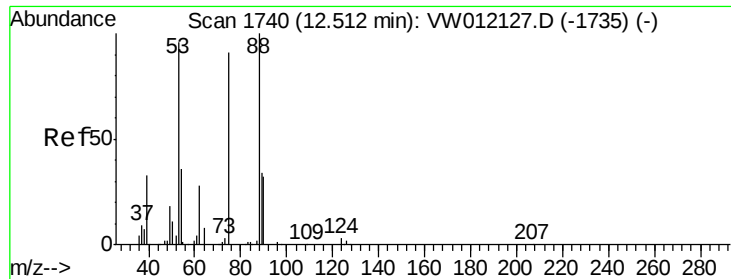
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 218.013 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Instrument :

MSVOA_W

ClientSampleId :

SB-43-8.5-9.0

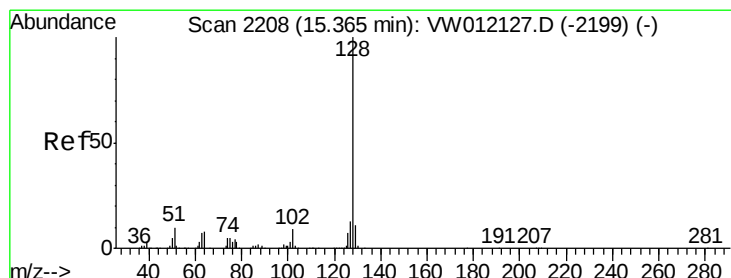
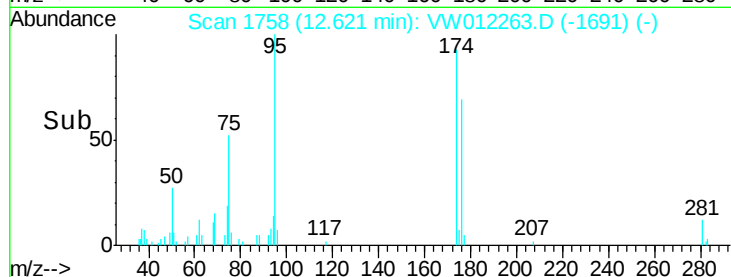
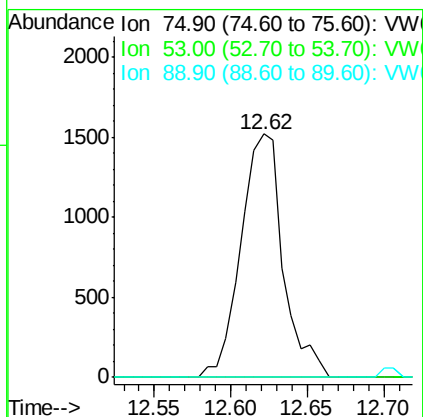
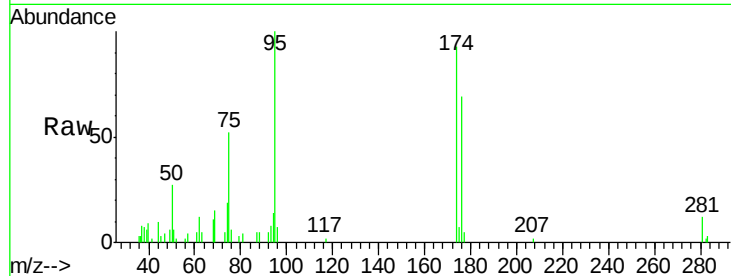
Tot Ion: 75 Resp: 2913

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.490 ug/l

RT: 15.44 min Scan# 2220

Delta R.T. 0.07 min

Lab File: VW012263.D

Acq: 28 Aug 2019 19:07

Tgt Ion: 128 Resp: 21

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

