

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012027.D
 Acq On : 20 Aug 2019 13:18
 Operator : SY/VA
 Sample : K4386-12
 Misc : 5.89G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-A1-(0)

Quant Time: Aug 20 17:50:42 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	262727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137914	50.00	ug/l	0.00

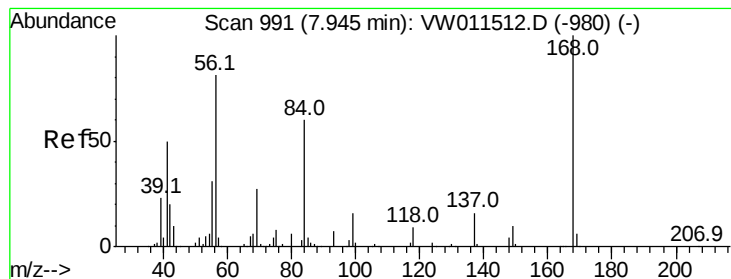
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	158317	52.48	ug/l	0.00
Spiked Amount						
			Recovery	=	104.96%	
35) Dibromofluoromethane	7.88	113	128141	52.28	ug/l	0.00
Spiked Amount						
			Recovery	=	104.56%	
50) Toluene-d8	10.32	98	532701	53.08	ug/l	0.00
Spiked Amount						
			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	165103	46.14	ug/l	0.00
Spiked Amount						
			Recovery	=	92.28%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	5.17	59	87	Below Cal	# 64
16) Acetone	4.14	43	51465	53.629	ug/l 99
20) Methylene Chloride	4.91	84	17489	5.284	ug/l 95
25) 2-Butanone	7.20	43	2576	2.051	ug/l 93
29) Tetrahydrofuran	7.54	42	7730	10.769	ug/l 98
31) Cyclohexane	7.94	56	6287	1.115	ug/l # 1
36) 1,1-Dichloropropene	7.94	75	22038	4.851	ug/l # 53
38) Carbon Tetrachloride	7.95	117	25991	6.683	ug/l # 17
41) Methacrylonitrile	7.53	41	4728	3.026	ug/l # 54
44) Trichloroethene	9.09	130	5844	1.911	ug/l 91
49) 1,4-Dioxane	9.20	88	26	1.155	ug/l # 15
76) 1,2,3-Trichloropropane	12.62	75	86412	59.215	ug/l # 100
77) Bromobenzene	12.87	156	6490	2.854	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	86412	136.470	ug/l # 6
95) Naphthalene	15.37	128	899	2.224	ug/l # 78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

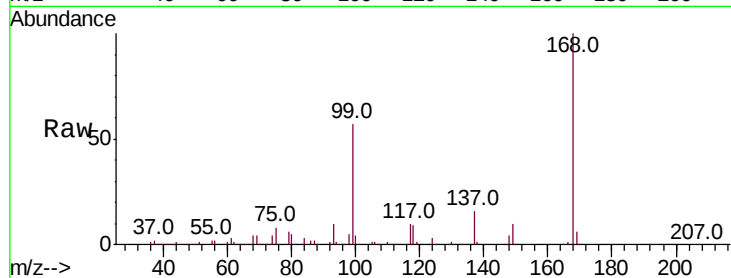
T6-A1-(0)

Tot Ion:168 Resp: 262727

Ion Ratio Lower Upper

168 100

99 56.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

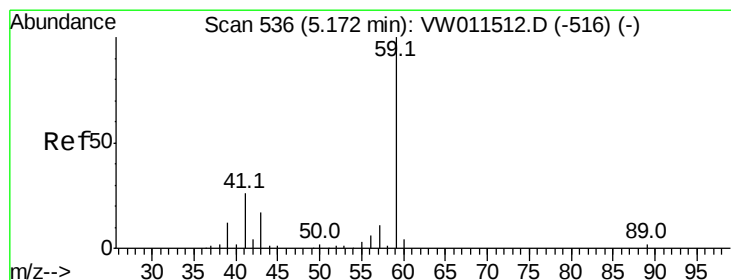
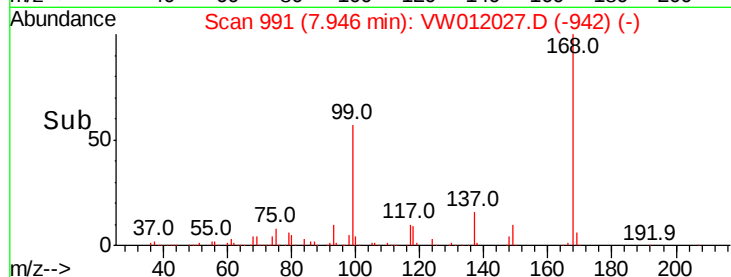
100000

50000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW012027.D

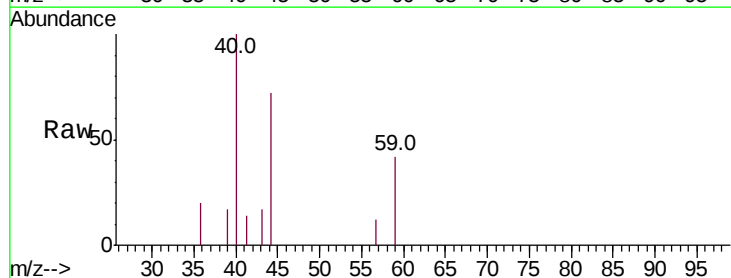
Acq: 20 Aug 2019 13:18

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

59 100

57 24.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

200

150

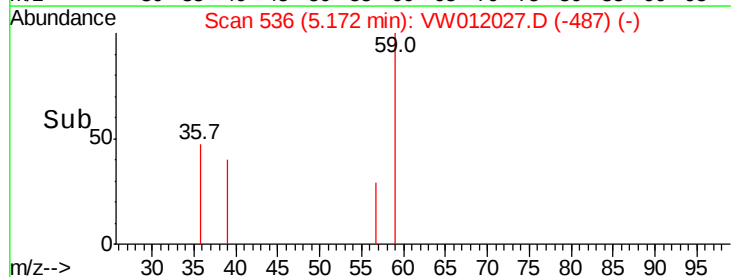
100

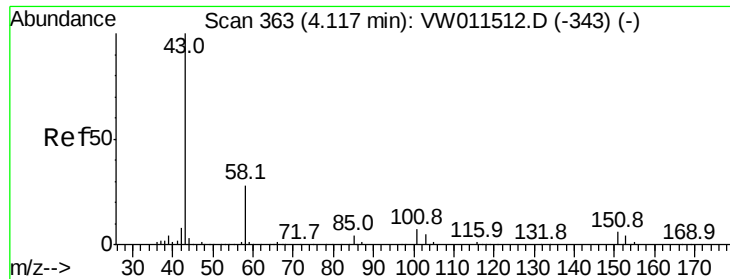
50

0

Time-->

5.15 5.16 5.17 5.18 5.19





#16

Acetone

Concen: 53.629 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

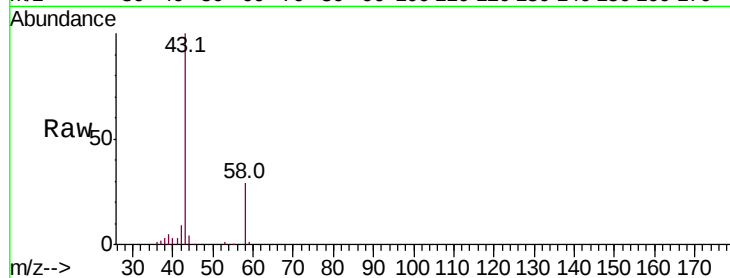
T6-A1-(0)

Tot Ion: 43 Resp: 51465

Ion Ratio Lower Upper

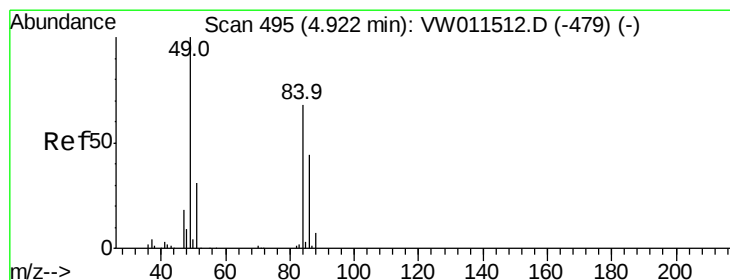
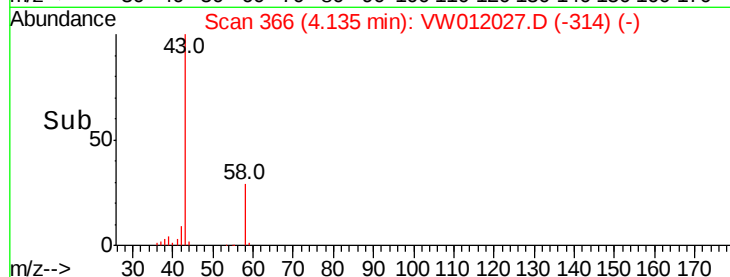
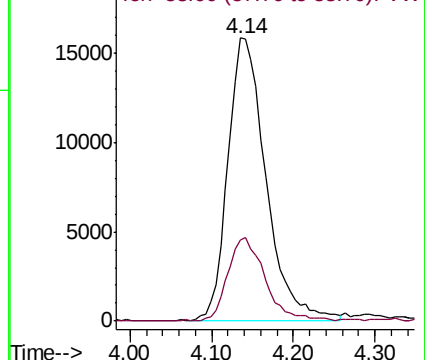
43 100

58 28.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.284 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Tgt Ion: 84 Resp: 17489

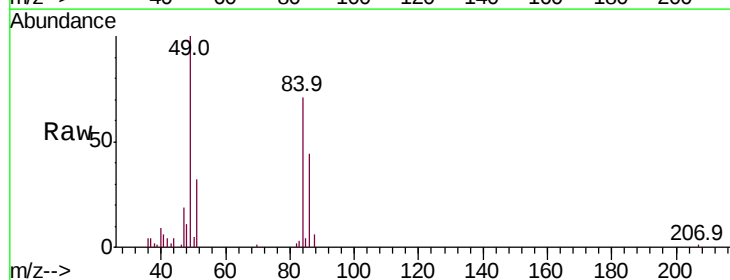
Ion Ratio Lower Upper

84 100

49 140.5 117.8 176.6

51 44.6 37.0 55.4

86 61.6 51.8 77.8

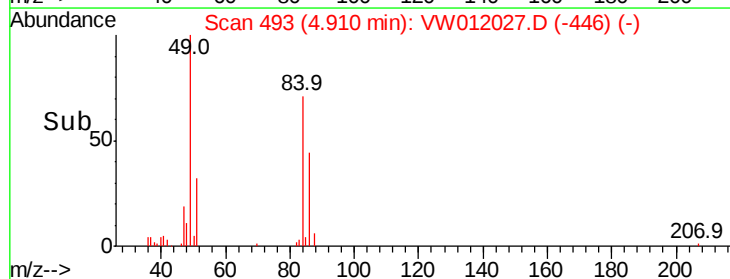
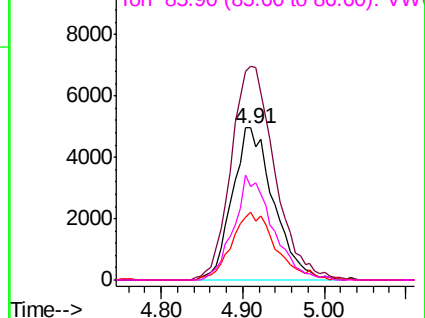


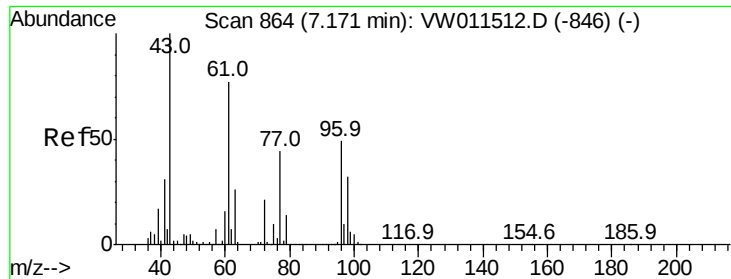
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 2.051 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

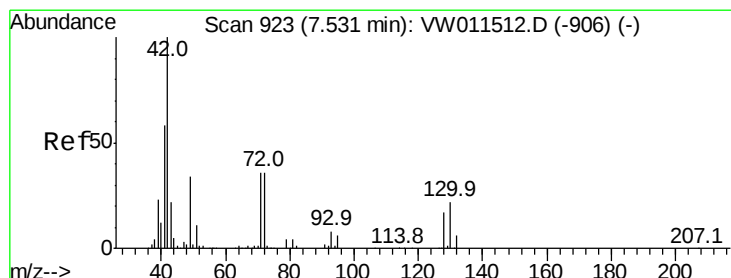
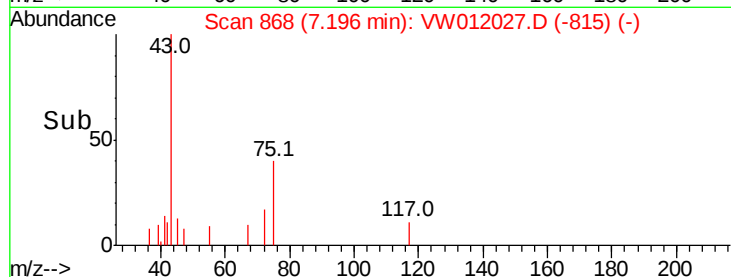
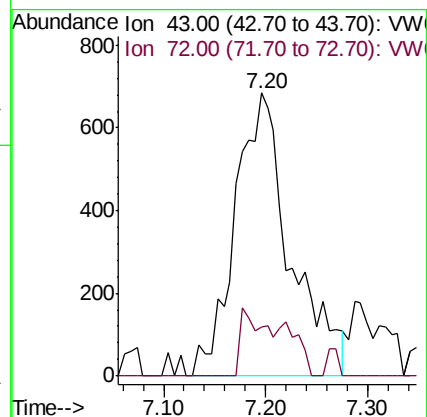
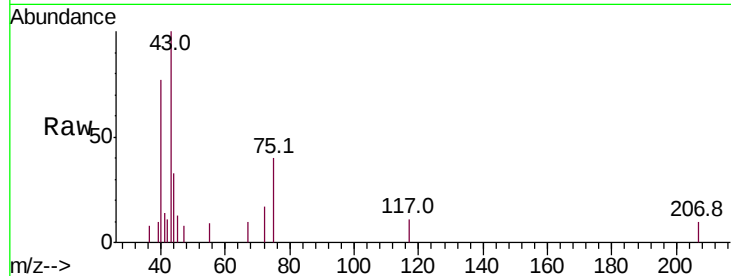
T6-A1-(0)

Tot Ion: 43 Resp: 2576

Ion Ratio Lower Upper

43 100

72 17.4 16.6 24.8



#29

Tetrahydrofuran

Concen: 10.769 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

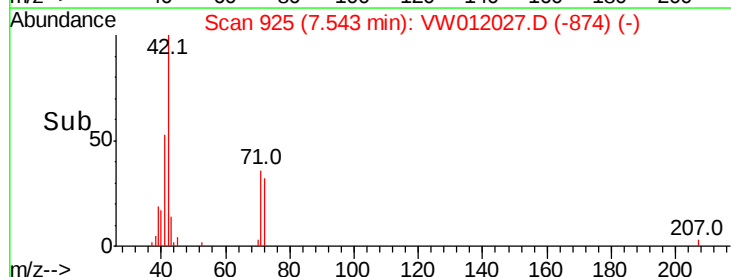
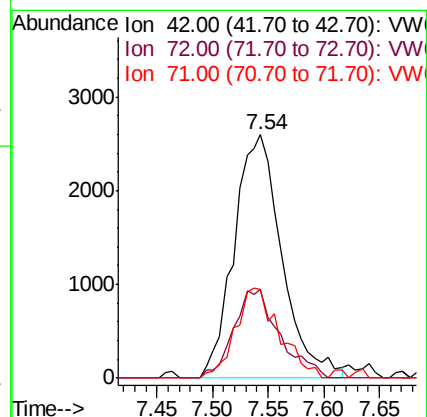
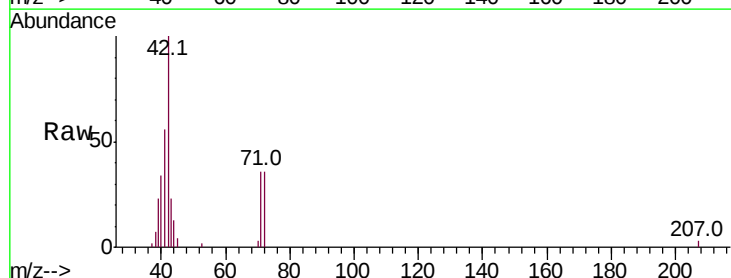
Tgt Ion: 42 Resp: 7730

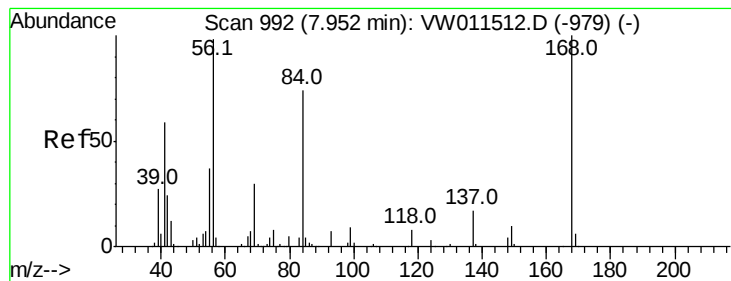
Ion Ratio Lower Upper

42 100

72 35.1 27.1 40.7

71 33.8 26.2 39.4





#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

T6-A1-(0)

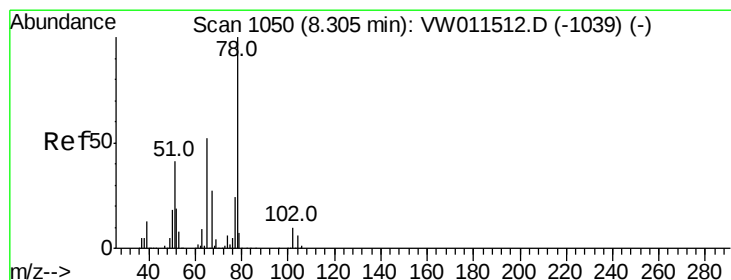
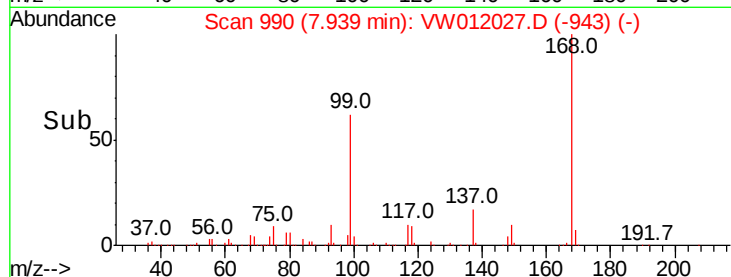
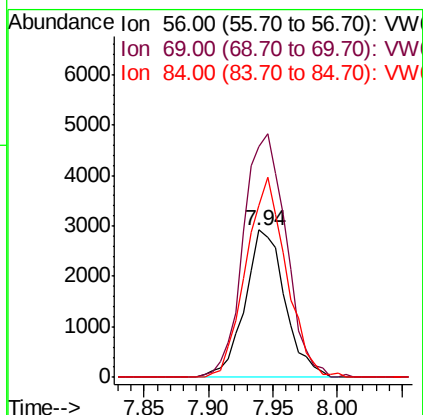
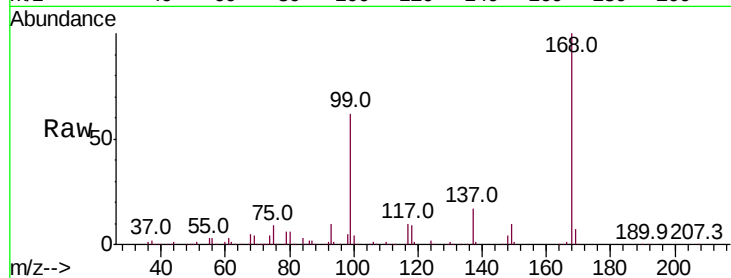
Tot Ion: 56 Resp: 6287

Ion Ratio Lower Upper

56 100

69 156.1 24.3 36.5#

84 117.0 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 52.478 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012027.D

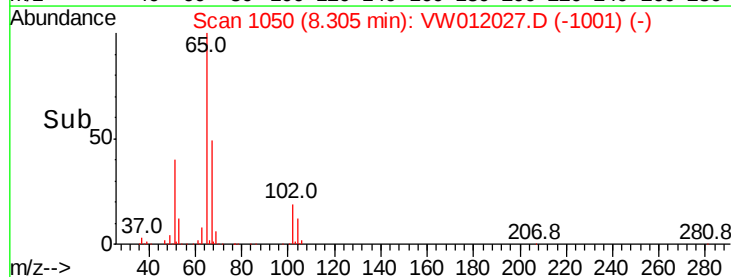
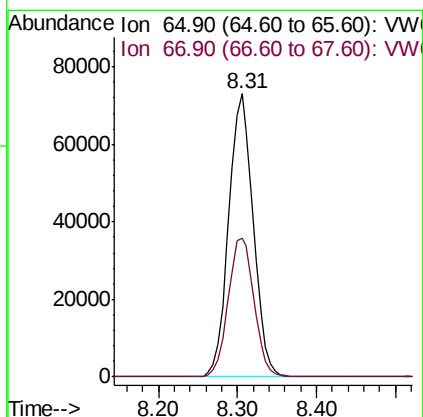
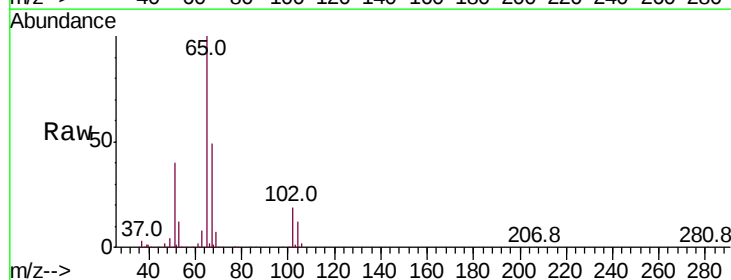
Acq: 20 Aug 2019 13:18

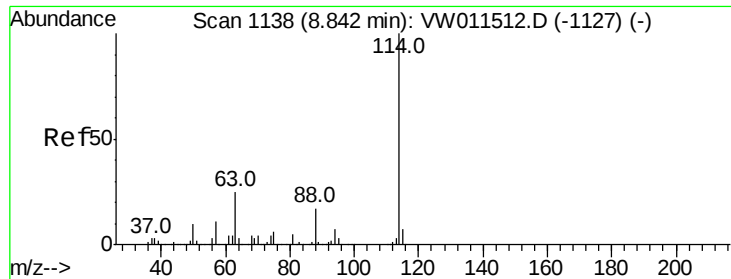
Tgt Ion: 65 Resp: 158317

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.2

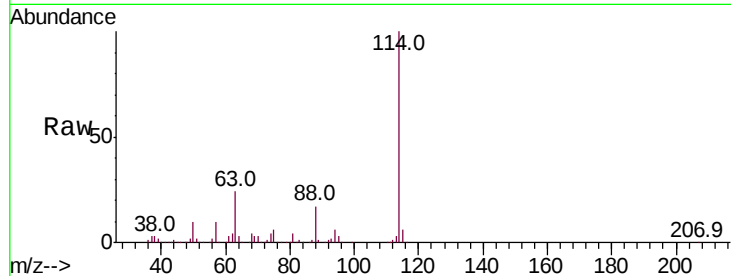




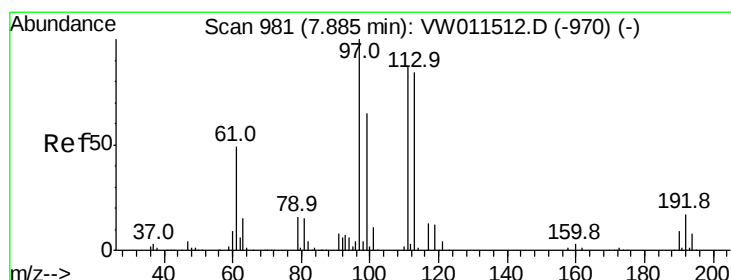
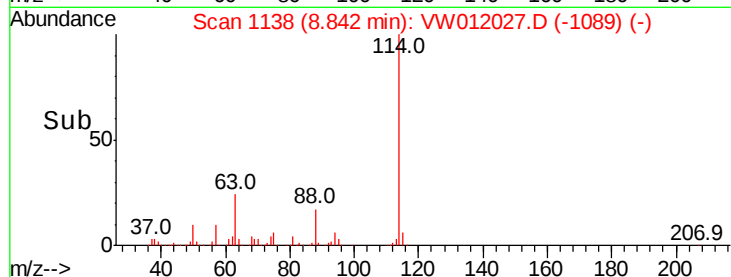
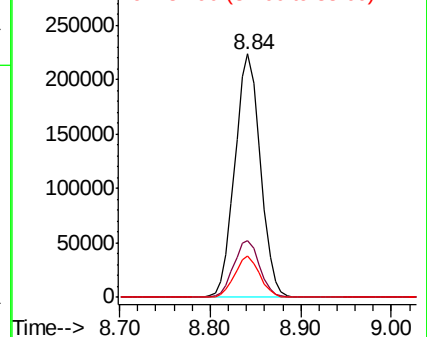
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012027.D
Acq: 20 Aug 2019 13:18

Instrument :
MSVOA_W
ClientSampled :
T6-A1-(0)

Tot Ion:114 Resp: 436926
Ion Ratio Lower Upper
114 100
63 23.6 0.0 49.2
88 17.1 0.0 33.8

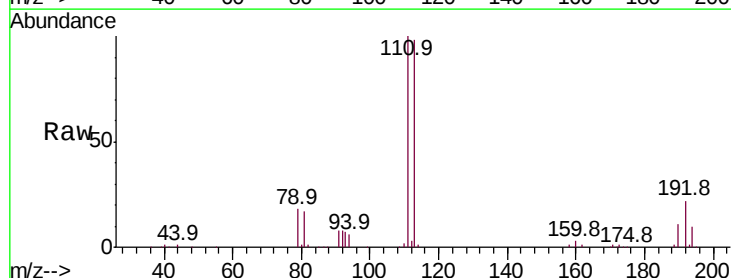


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

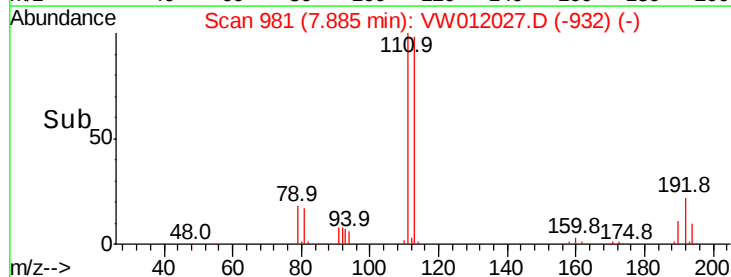
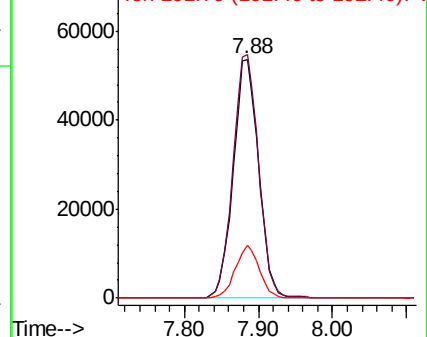


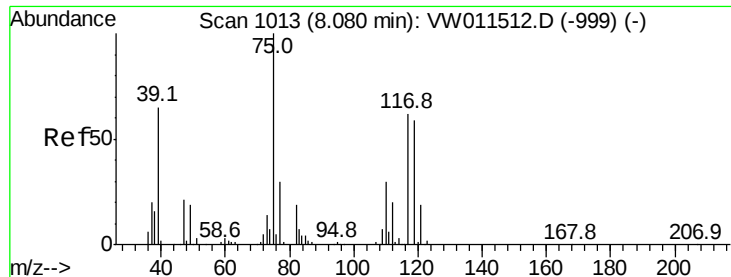
#35
Dibromofluoromethane
Concen: 52.276 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW012027.D
Acq: 20 Aug 2019 13:18

Tgt Ion:113 Resp: 128141
Ion Ratio Lower Upper
113 100
111 102.8 82.7 124.1
192 20.8 16.1 24.1



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: 4.851 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

T6-A1-(0)

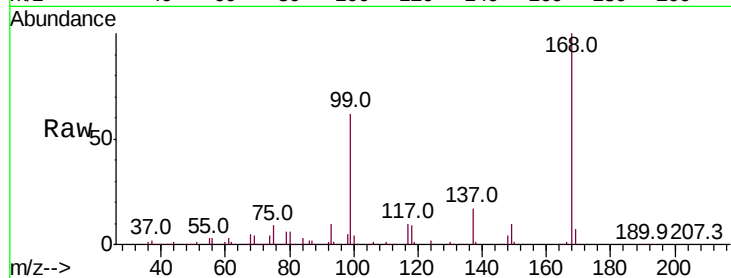
Tot Ion: 75 Resp: 22038

Ion Ratio Lower Upper

75 100

110 9.6 15.6 46.8#

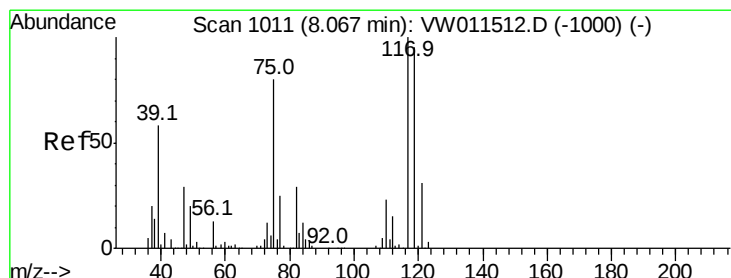
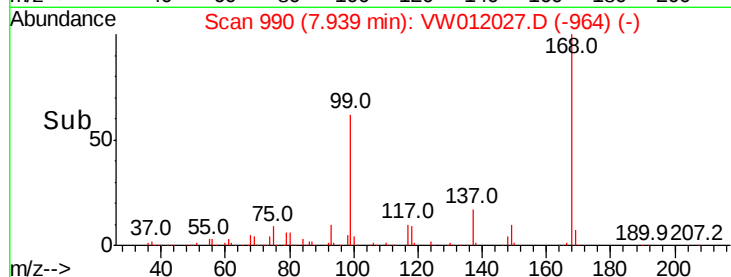
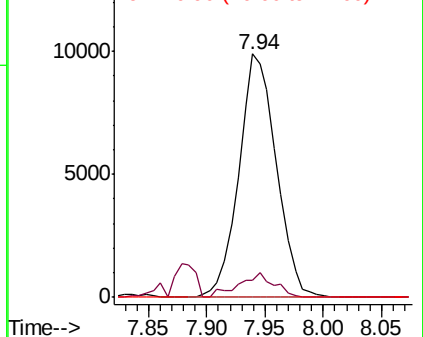
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.683 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

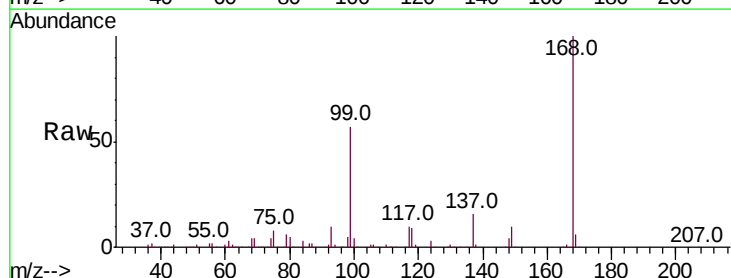
Tgt Ion: 117 Resp: 25991

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

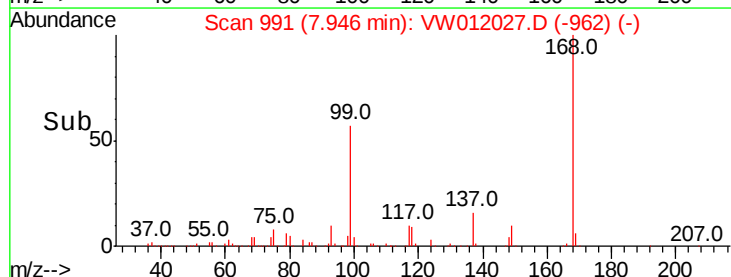
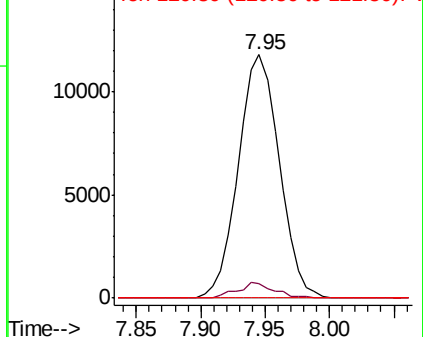
121 0.0 24.7 37.1#

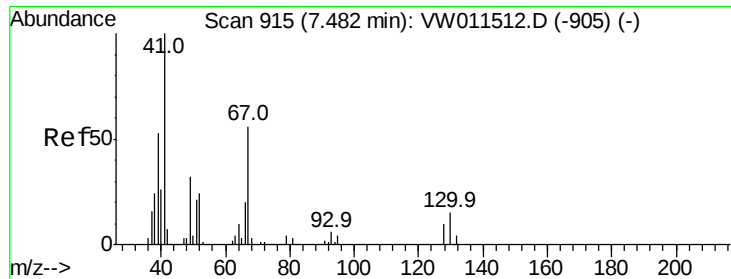


Abundance Ion 116.80 (116.50 to 117.50): VW

Ion 118.80 (118.50 to 119.50): VW

Ion 120.80 (120.50 to 121.50): VW

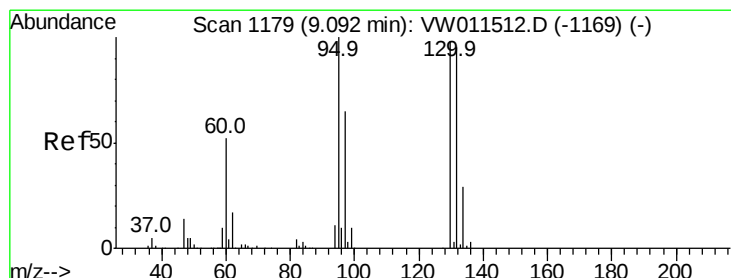
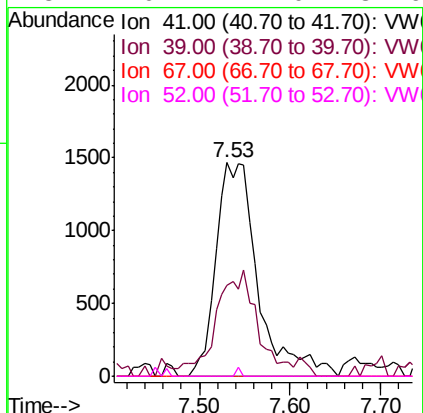
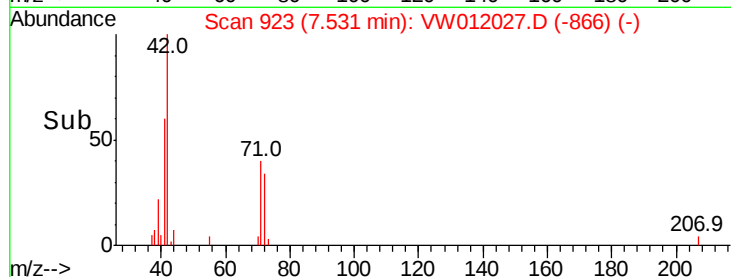
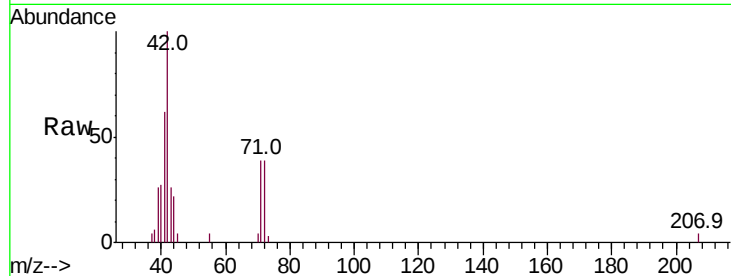




#41
Methacrylonitrile
Concen: 3.026 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012027.D
Acq: 20 Aug 2019 13:18

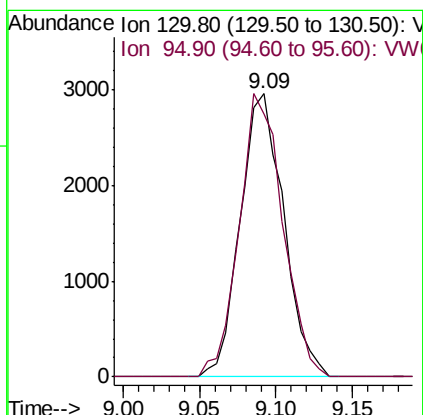
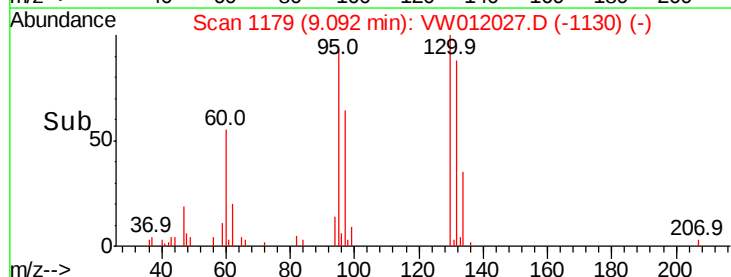
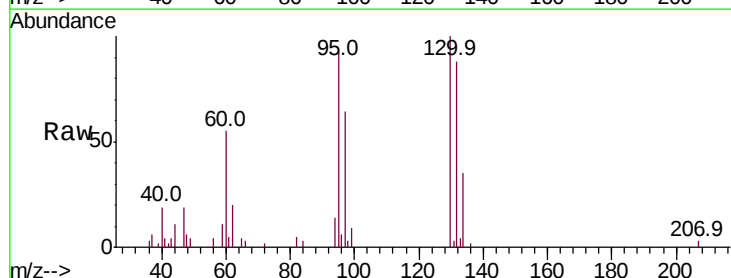
Instrument :
MSVOA_W
ClientSampleId :
T6-A1-(0)

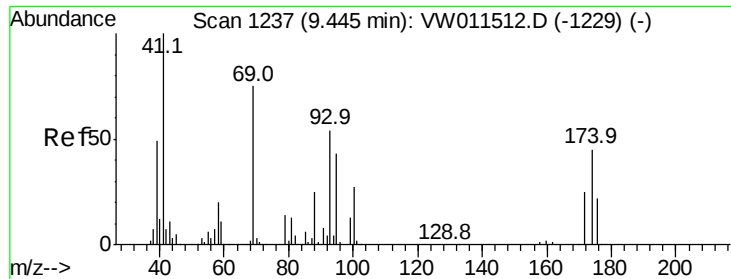
Tot Ion:	41	Resp:	4728
Ion	Ratio	Lower	Upper
41	100		
39	48.6	43.0	64.4
67	0.0	47.5	71.3#
52	0.4	21.0	31.6#



#44
Trichloroethene
Concen: 1.911 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012027.D
Acq: 20 Aug 2019 13:18

Tgt Ion:	130	Resp:	5844
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	204.8





#49

1,4-Dioxane

Concen: 1.155 ug/l

RT: 9.20 min Scan# 1196

Delta R.T. -0.25 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampled :

T6-A1-(0)

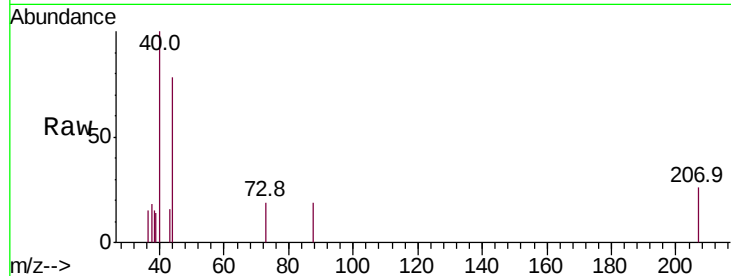
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

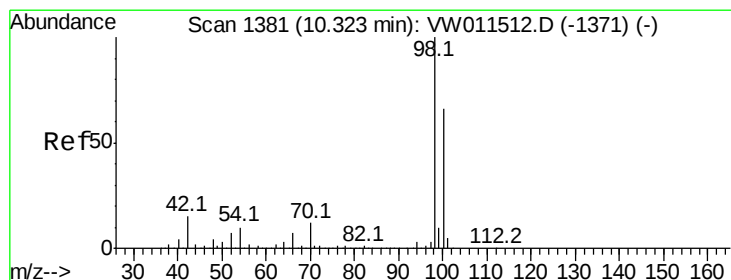
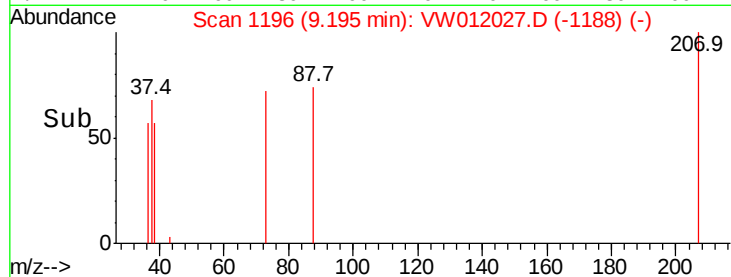
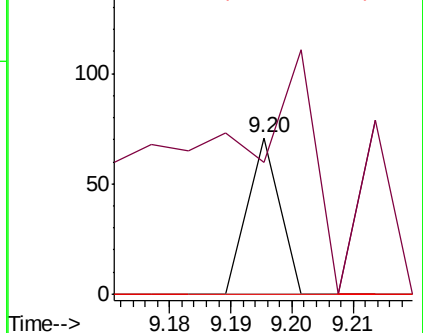
58 0.0 69.7 104.5#



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: 53.079 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012027.D

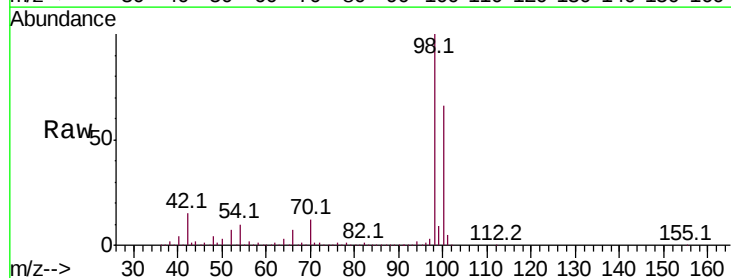
Acq: 20 Aug 2019 13:18

Tgt Ion: 98 Resp: 532701

Ion Ratio Lower Upper

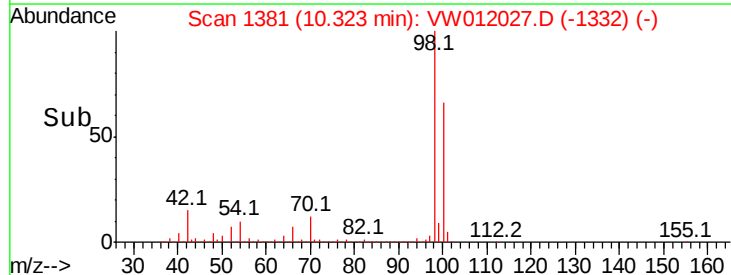
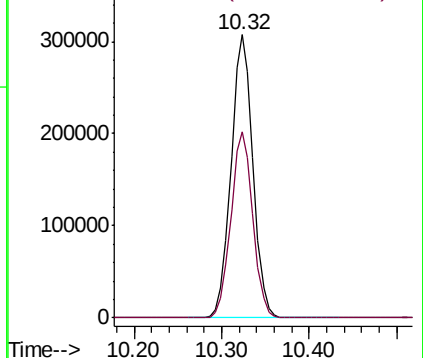
98 100

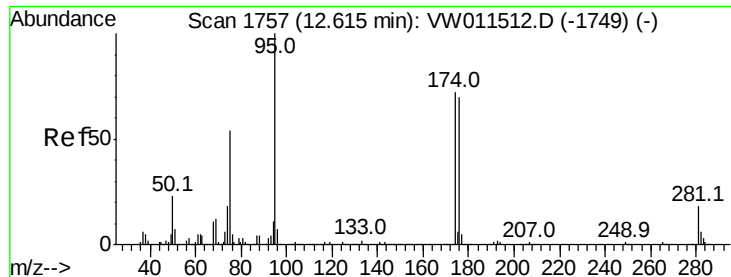
100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

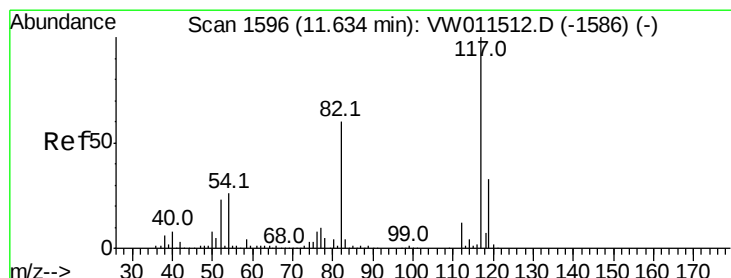
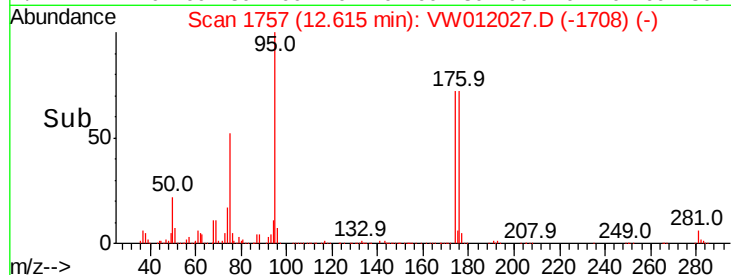
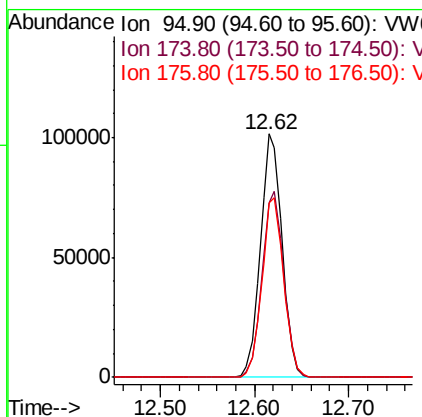
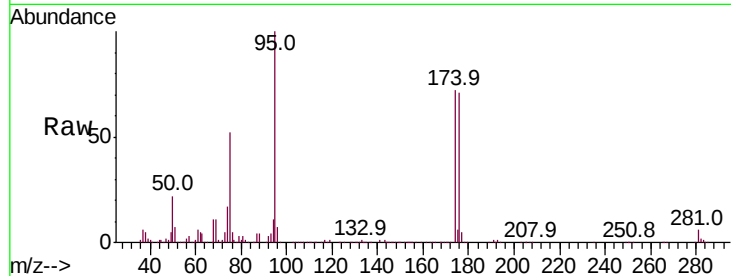




#62
4-Bromofluorobenzene
Concen: 46.143 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012027.D
Acq: 20 Aug 2019 13:18

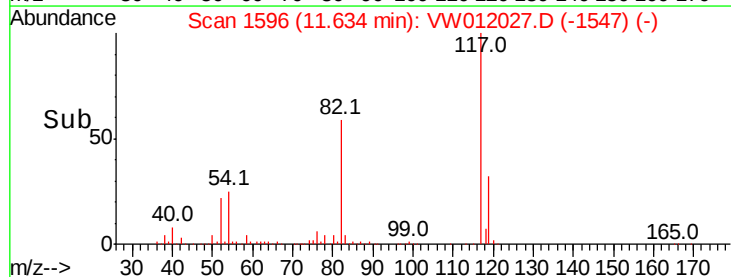
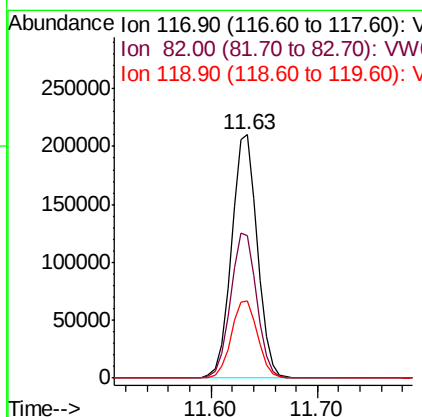
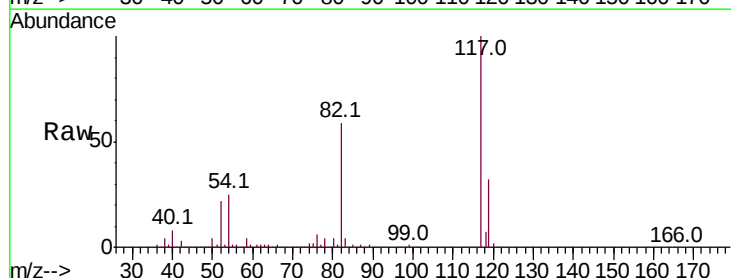
Instrument :
MSVOA_W
ClientSampled :
T6-A1-(0)

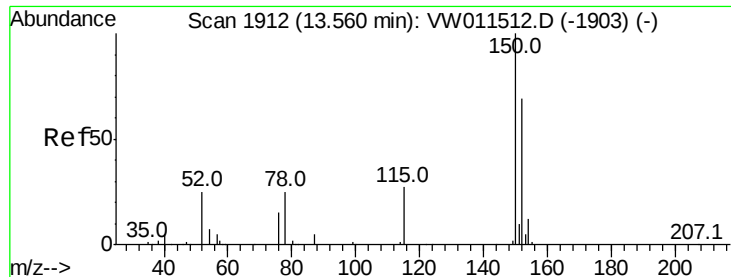
Tot Ion: 95 Resp: 165103
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.2
176 74.1 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012027.D
Acq: 20 Aug 2019 13:18

Tgt Ion: 117 Resp: 356510
Ion Ratio Lower Upper
117 100
82 58.6 47.9 71.9
119 31.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

T6-A1-(0)

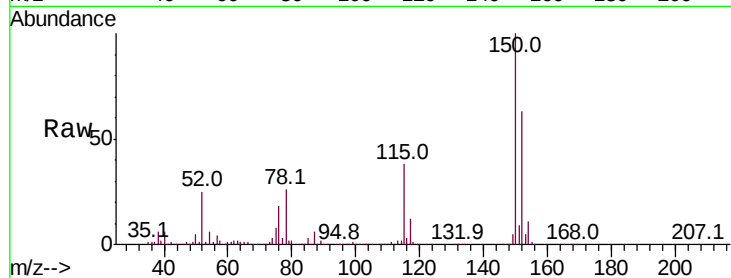
Tot Ion:152 Resp: 137914

Ion Ratio Lower Upper

152 100

115 60.5 30.5 91.5

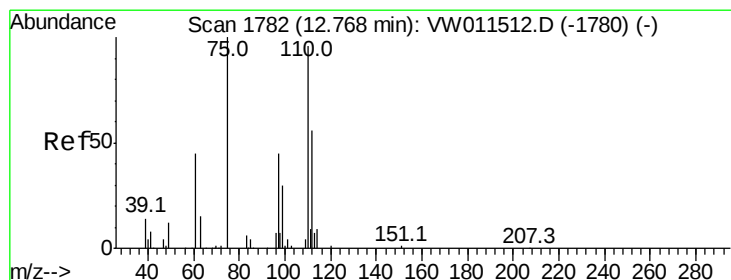
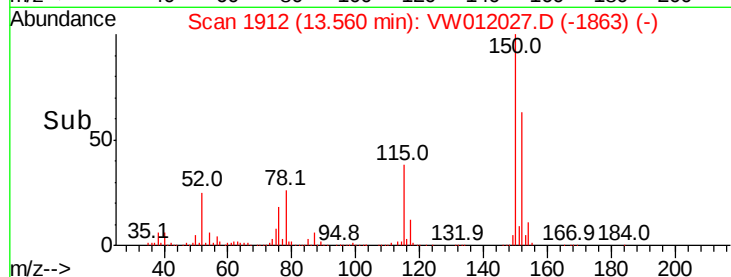
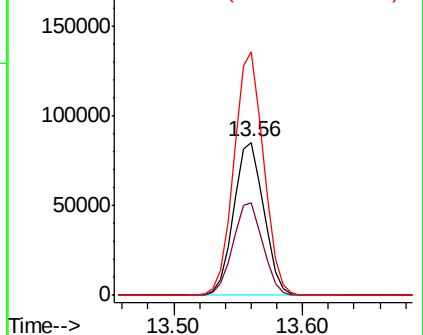
150 157.0 0.0 352.6



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: 59.215 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012027.D

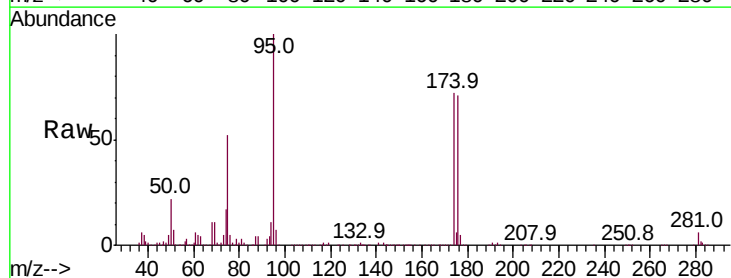
Acq: 20 Aug 2019 13:18

Tgt Ion: 75 Resp: 86412

Ion Ratio Lower Upper

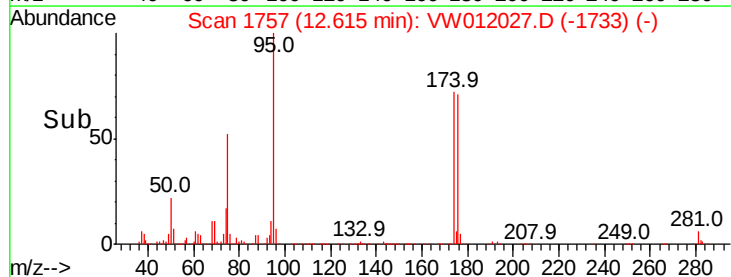
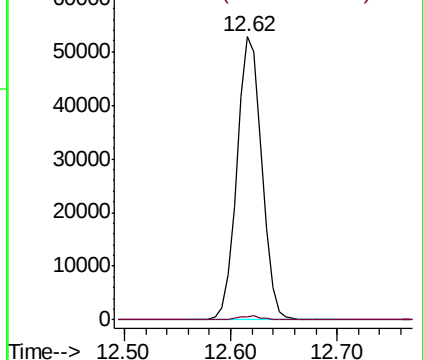
75 100

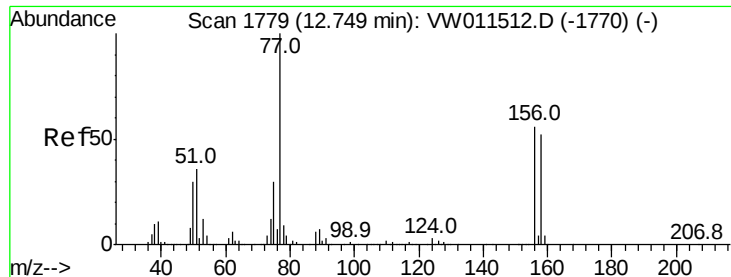
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2.854 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

T6-A1-(0)

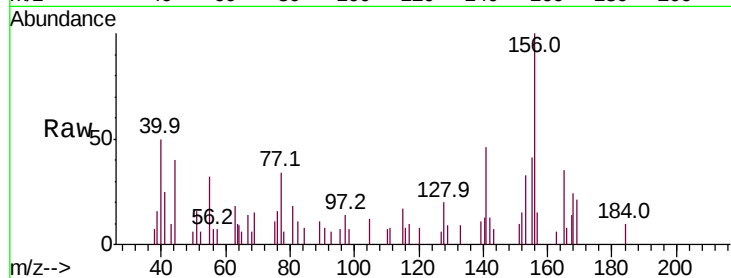
Tot Ion:156 Resp: 6490

Ion Ratio Lower Upper

156 100

77 2.9 106.5 319.4#

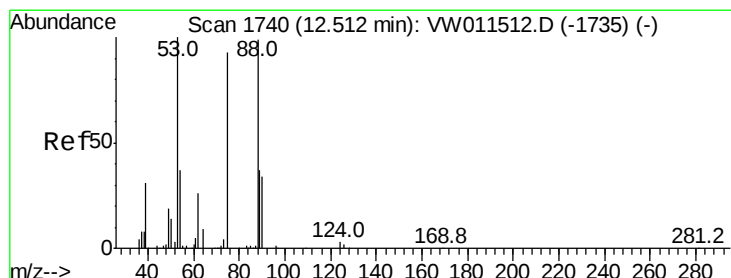
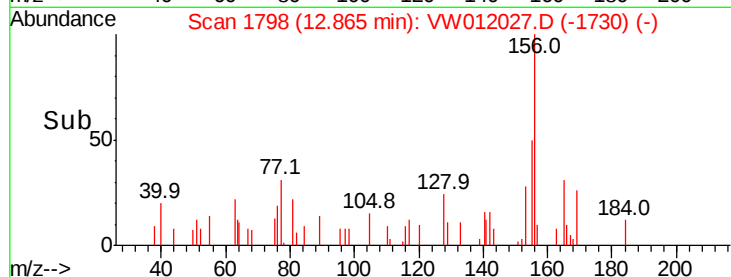
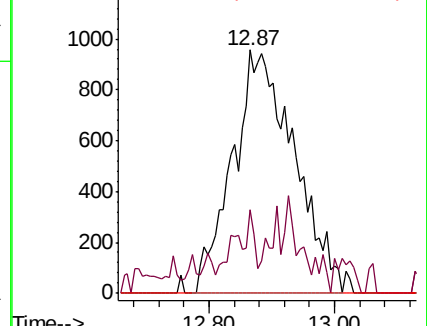
158 0.0 48.0 144.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V



#81

trans-1,4-Dichloro-2-butene

Concen: 136.470 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

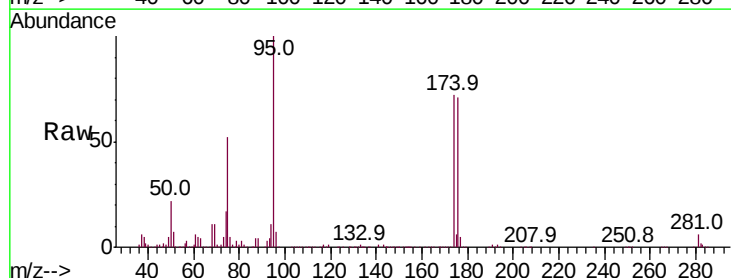
Tgt Ion: 75 Resp: 86412

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

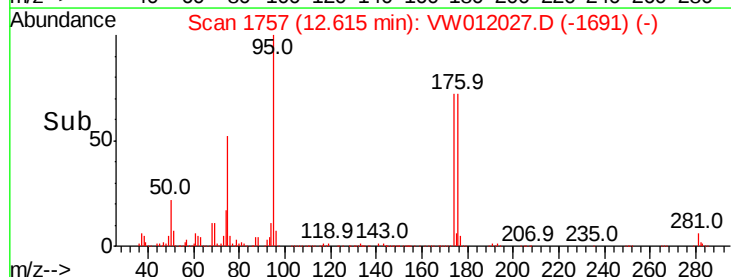
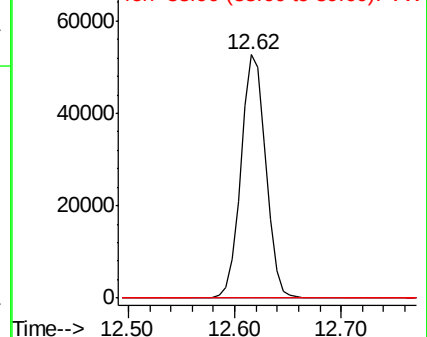
89 0.1 35.3 52.9#

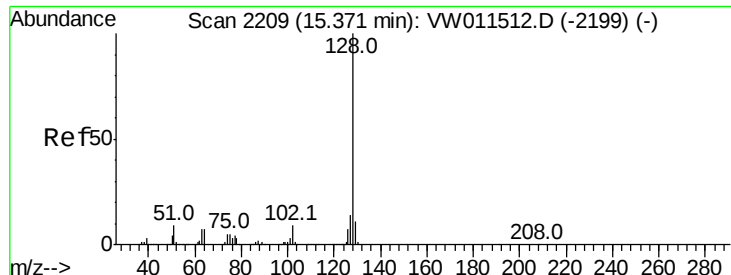


Abundance Ion 74.90 (74.60 to 75.20): VW

Ion 53.00 (52.70 to 53.30): VW

Ion 88.90 (88.60 to 89.20): VW





#95

Naphthalene

Concen: 2.224 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012027.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

T6-A1-(0)

Tot Ion:128 Resp: 899

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 13.8 8.6 13.0#

