

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012870.D
 Acq On : 10 Sep 2019 15:07
 Operator : SY/VA
 Sample : K4570-02
 Misc : 5.28G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

Quant Time: Sep 10 17:49:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	312628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	107937	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	110677	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	7.88	113	90409	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.32	98	369955	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	114280	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

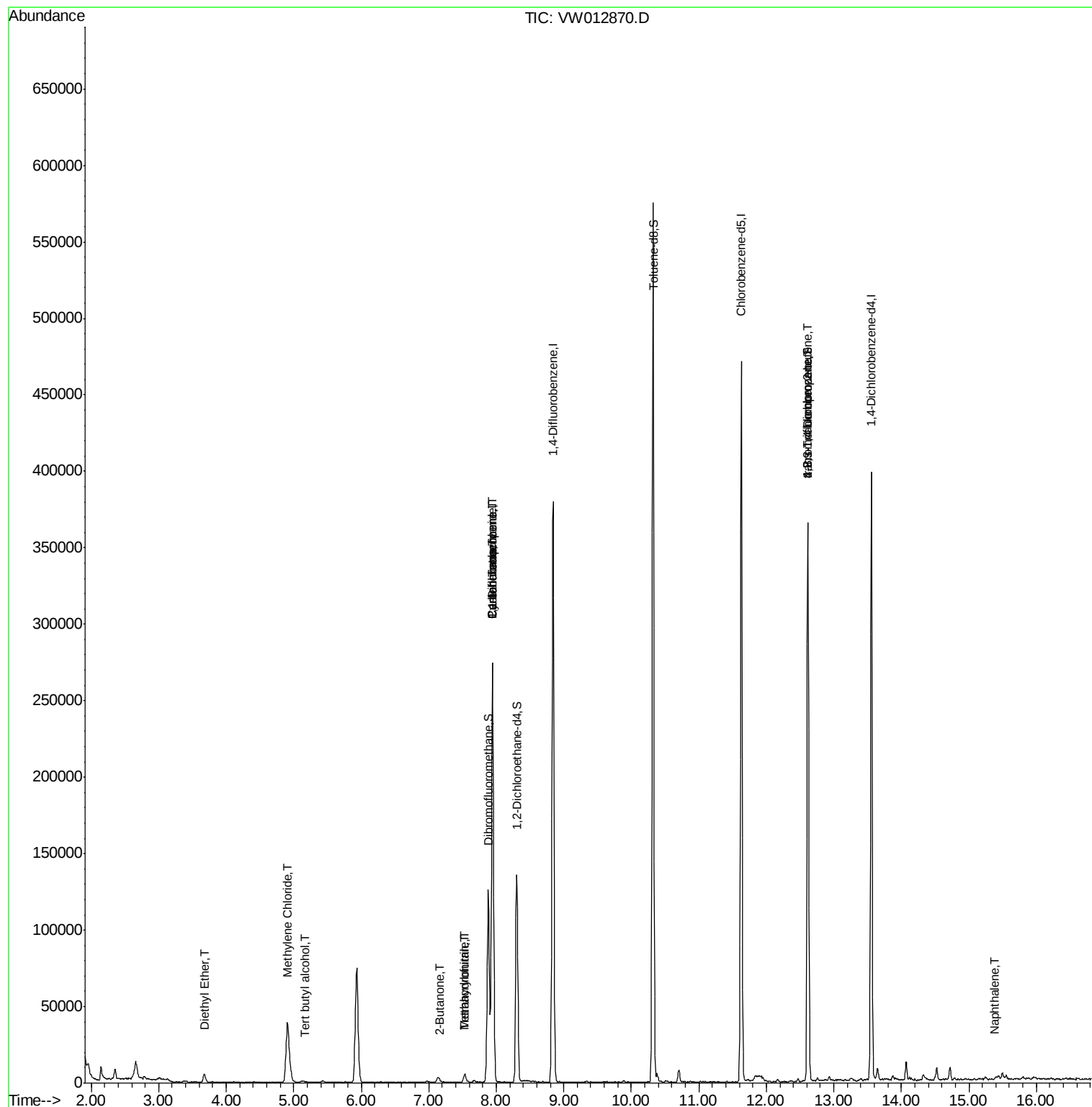
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	3107	3.134	ug/l	96
11) Tert butyl alcohol	5.17	59	594	3.284	ug/l #	72
20) Methylene Chloride	4.90	84	31623	15.682	ug/l	93
25) 2-Butanone	7.17	43	66	19.744	ug/l #	53
29) Tetrahydrofuran	7.53	42	4353	8.363	ug/l	97
31) Cyclohexane	7.94	56	4578	1.317	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	15968	5.748	ug/l #	50
38) Carbon Tetrachloride	7.94	117	20407	7.453	ug/l #	19
41) Methacrylonitrile	7.54	41	2667	5.884	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	59426	53.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59426	113.880	ug/l #	7
95) Naphthalene	15.37	128	360	4.511	ug/l #	76

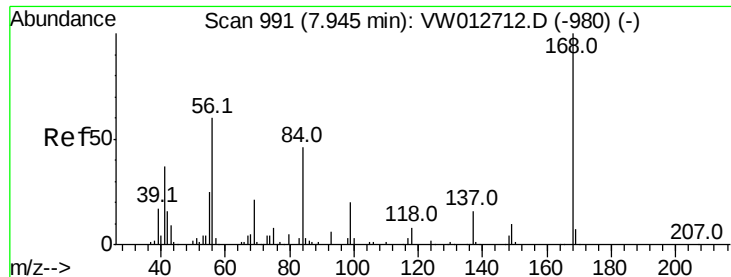
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
Data File : VW012870.D
Acq On : 10 Sep 2019 15:07
Operator : SY/VA
Sample : K4570-02
Misc : 5.28G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-2-ABCD

Quant Time: Sep 10 17:49:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

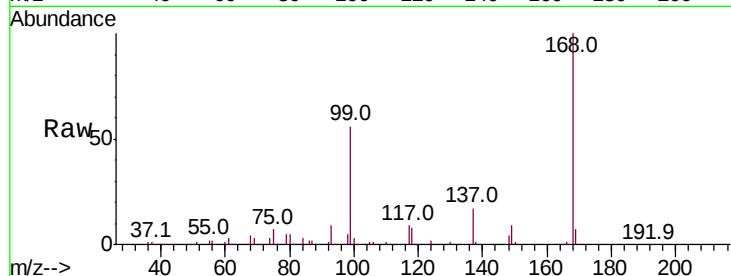
SOUTH-AVENUE-2-ABCD

Tot Ion:168 Resp: 211599

Ion Ratio Lower Upper

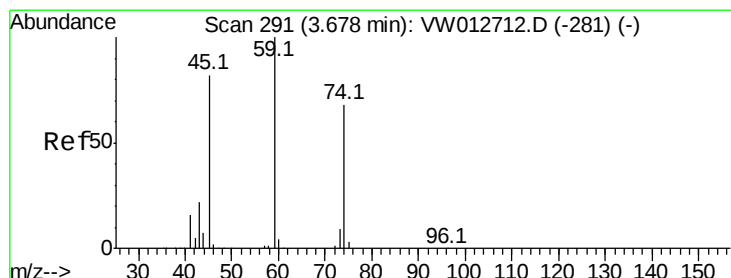
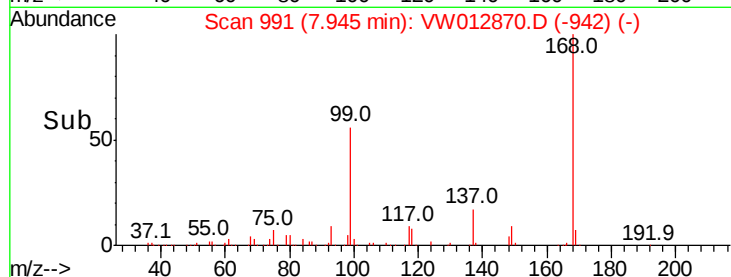
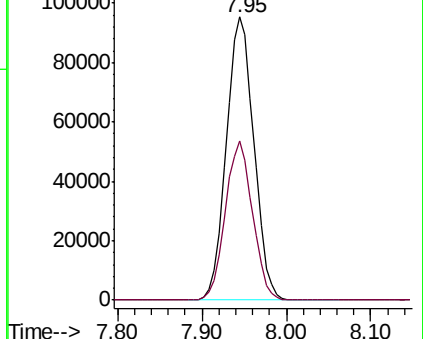
168 100

99 56.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.134 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012870.D

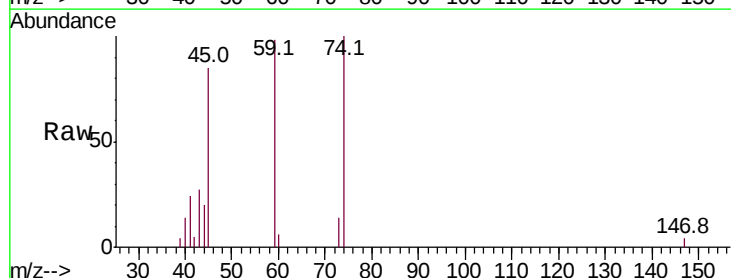
Acq: 10 Sep 2019 15:07

Tgt Ion: 74 Resp: 3107

Ion Ratio Lower Upper

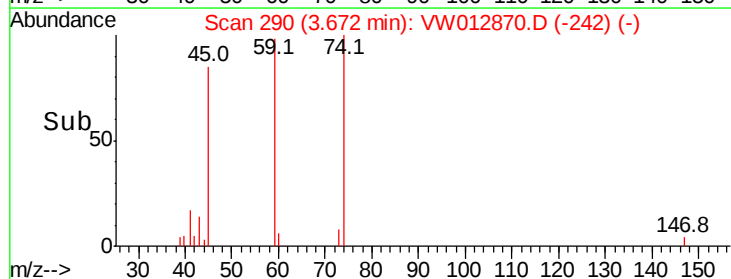
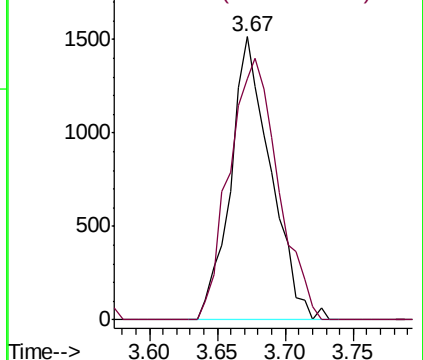
74 100

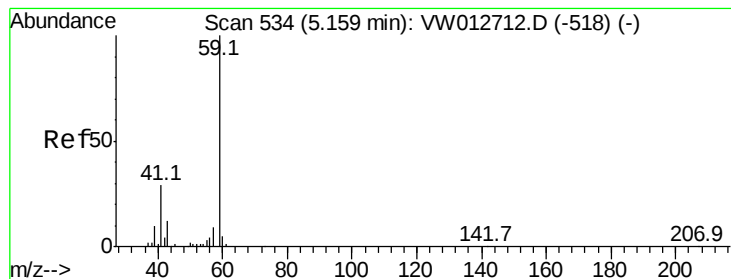
45 113.0 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



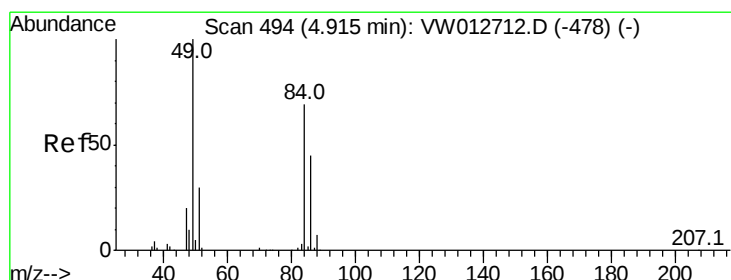
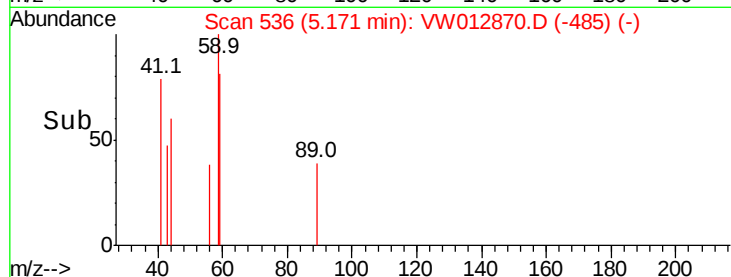
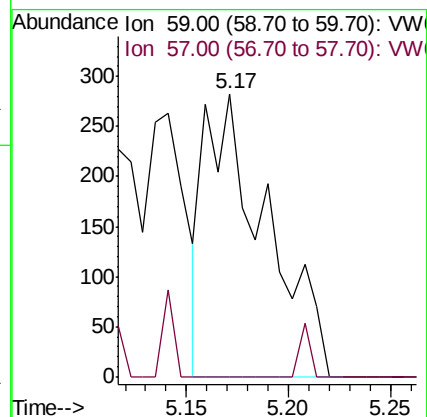
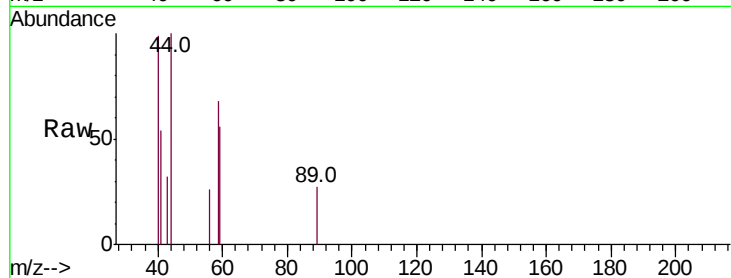


#11

Tert butyl alcohol
 Concen: 3.284 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW012870.D
 Acq: 10 Sep 2019 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

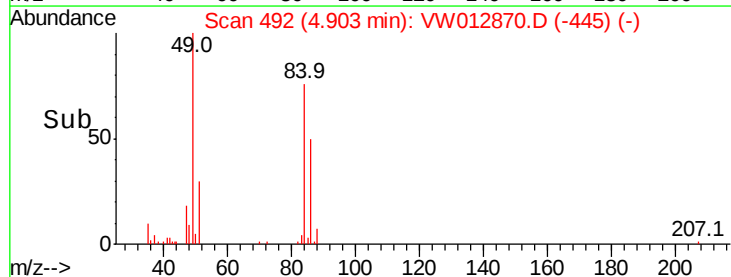
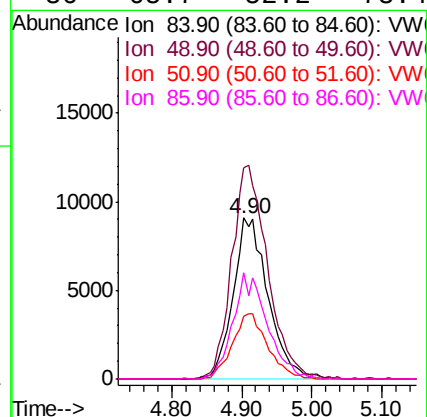
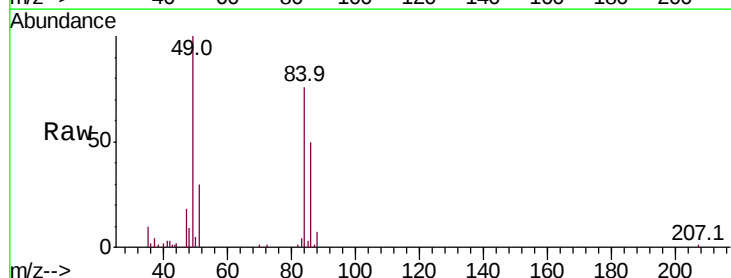
Tot Ion: 59 Resp: 594
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

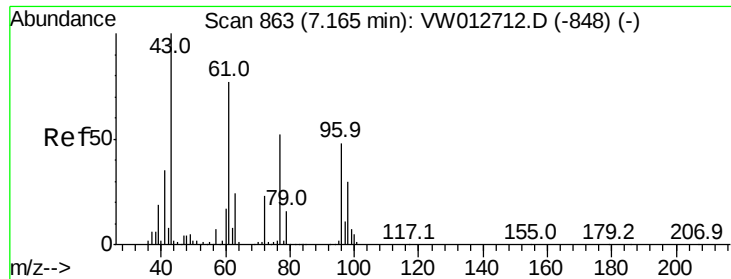


#20

Methylene Chloride
 Concen: 15.682 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW012870.D
 Acq: 10 Sep 2019 15:07

Tgt Ion: 84 Resp: 31623
 Ion Ratio Lower Upper
 84 100
 49 131.2 115.4 173.0
 51 39.0 34.9 52.3
 86 65.7 52.2 78.4





#25

2-Butanone

Concen: 19.744 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

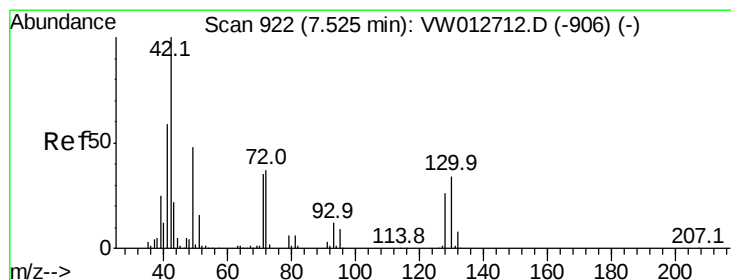
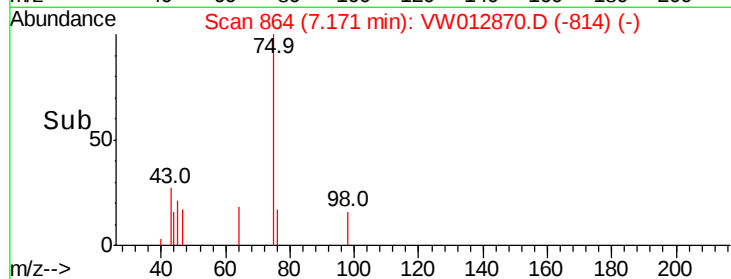
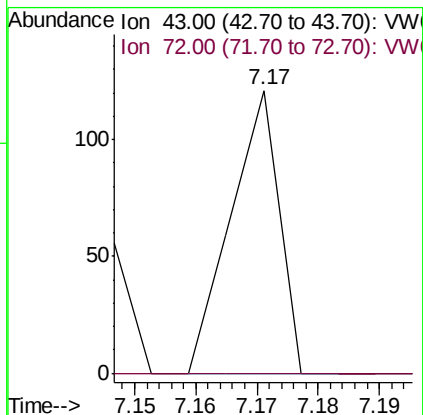
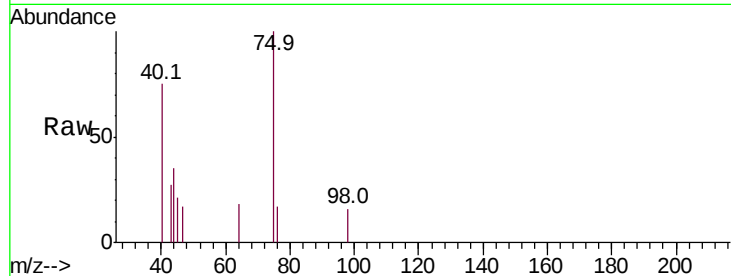
SOUTH-AVENUE-2-ABCD

Tot Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 8.363 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

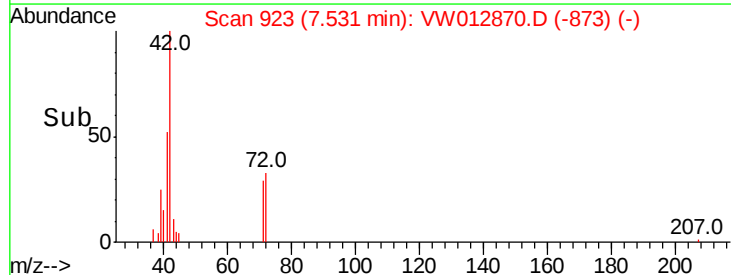
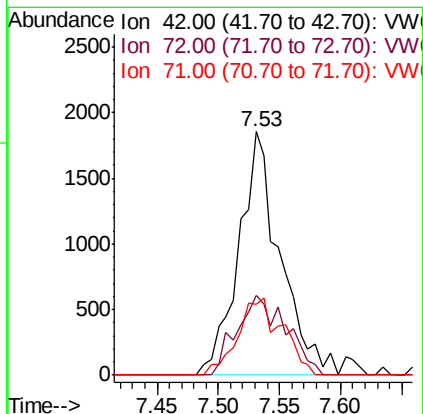
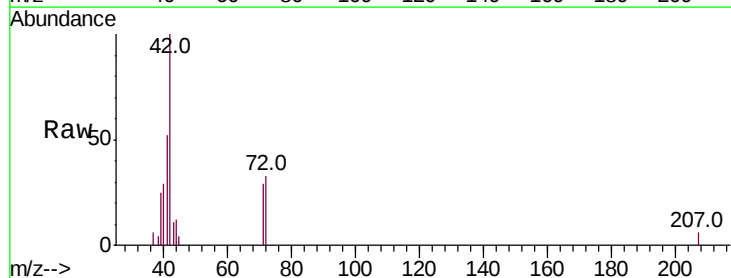
Tgt Ion: 42 Resp: 4353

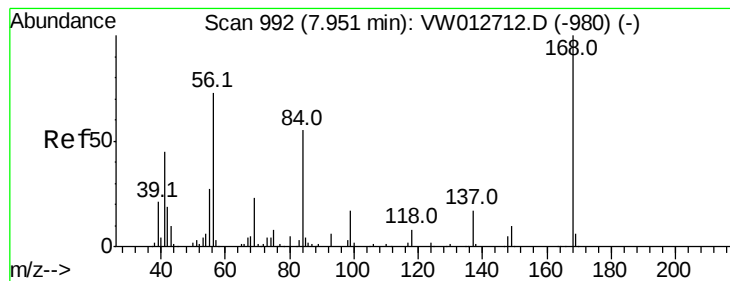
Ion Ratio Lower Upper

42 100

72 39.2 28.4 42.6

71 34.2 27.1 40.7





#31

Cyclohexane

Concen: 1.317 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-2-ABCD

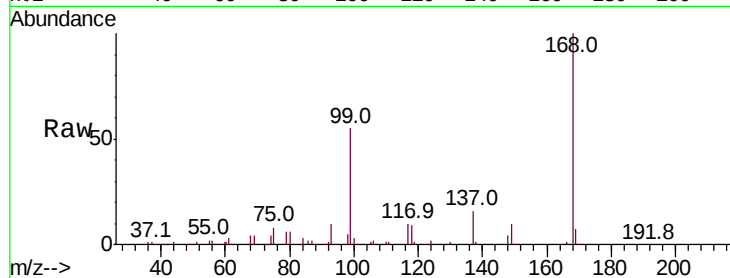
Tot Ion: 56 Resp: 4578

Ion Ratio Lower Upper

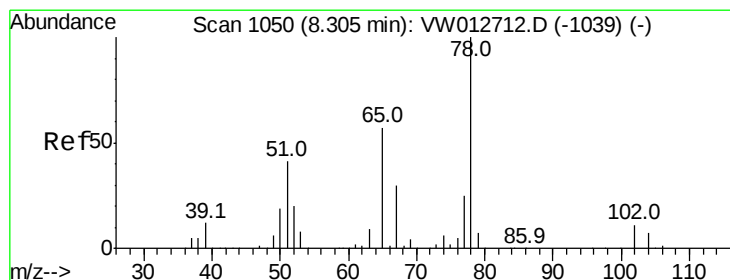
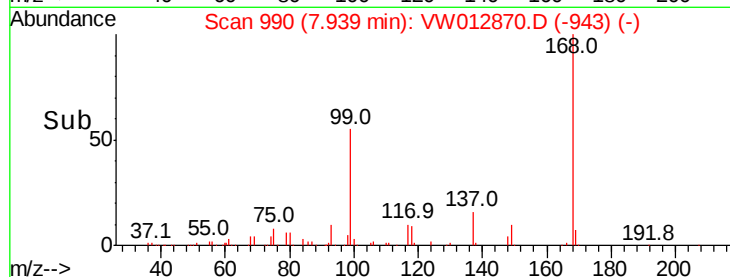
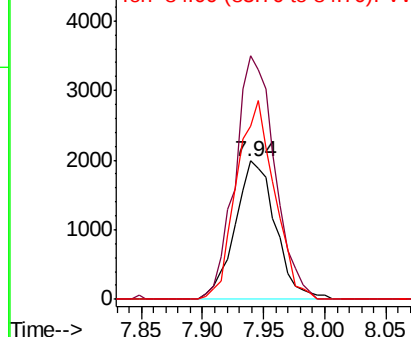
56 100

69 175.8 25.7 38.5#

84 124.7 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: 46.813 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012870.D

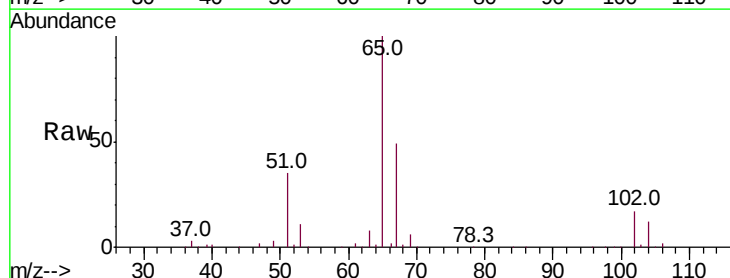
Acq: 10 Sep 2019 15:07

Tgt Ion: 65 Resp: 110677

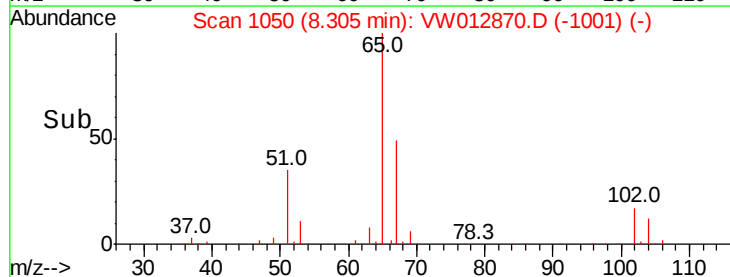
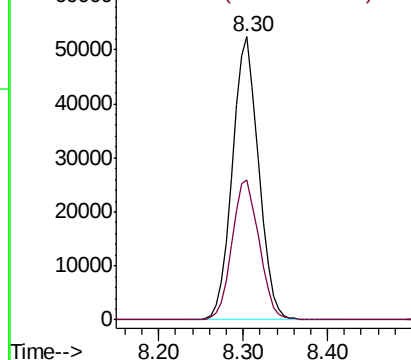
Ion Ratio Lower Upper

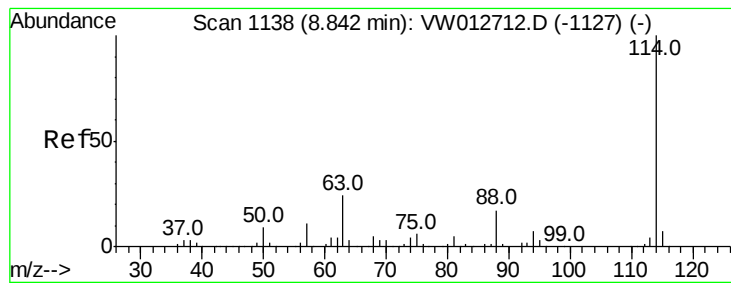
65 100

67 51.0 0.0 101.8



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: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-2-ABCD

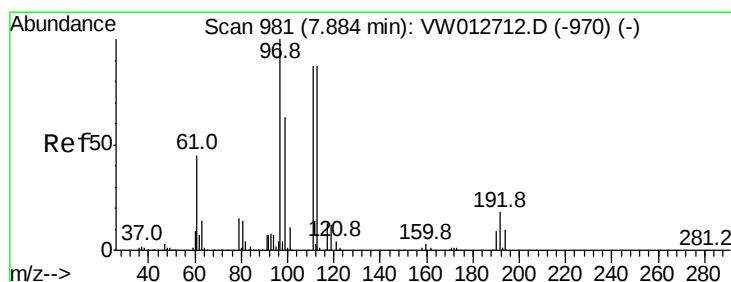
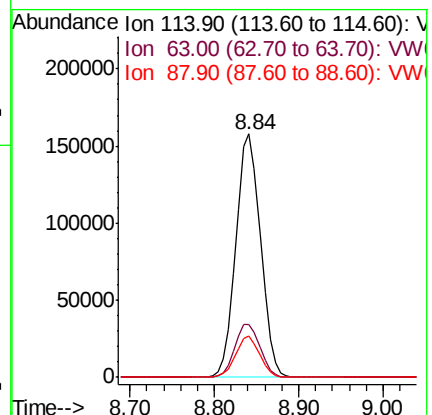
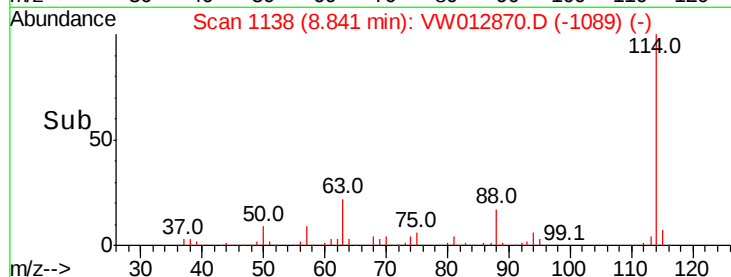
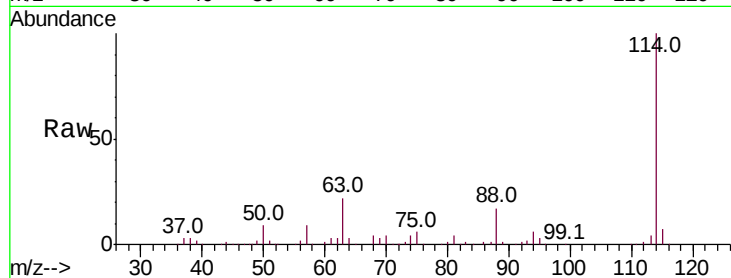
Tot Ion:114 Resp: 312628

Ion Ratio Lower Upper

114 100

63 21.5 0.0 47.2

88 16.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 48.642 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

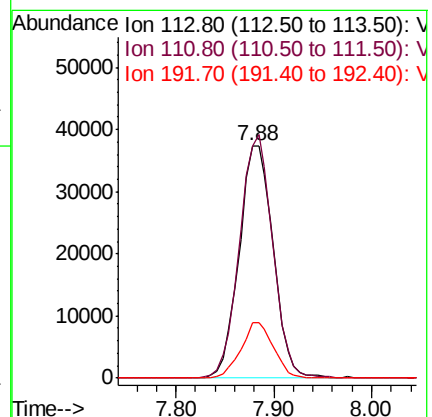
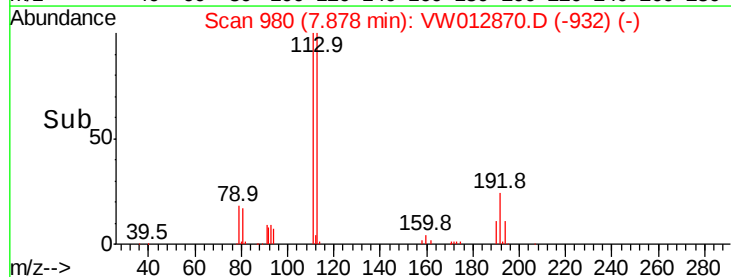
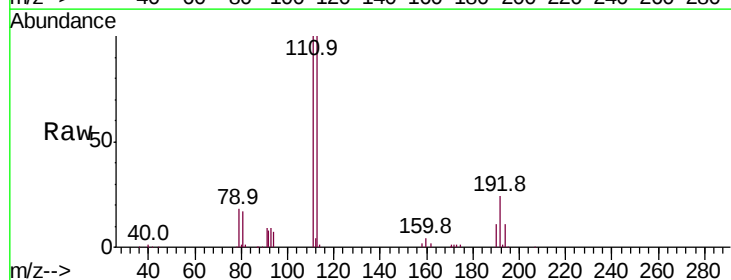
Tgt Ion:113 Resp: 90409

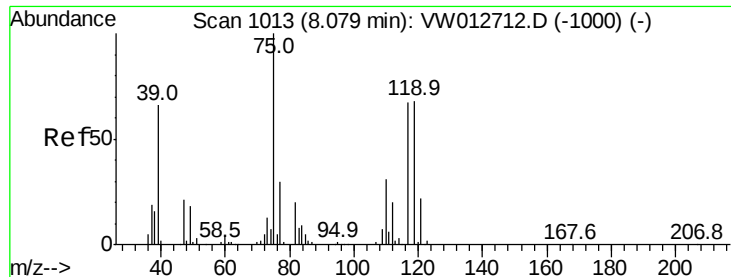
Ion Ratio Lower Upper

113 100

111 102.3 80.2 120.4

192 22.9 17.3 25.9





#36

1,1-Dichloropropene

Concen: 5.748 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-2-ABCD

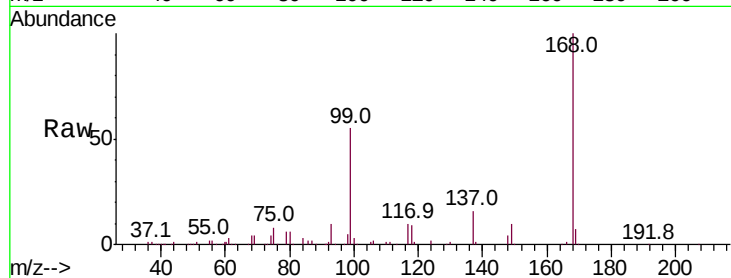
Tot Ion: 75 Resp: 15968

Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.7#

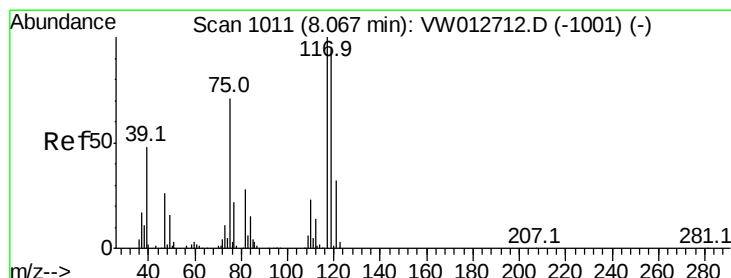
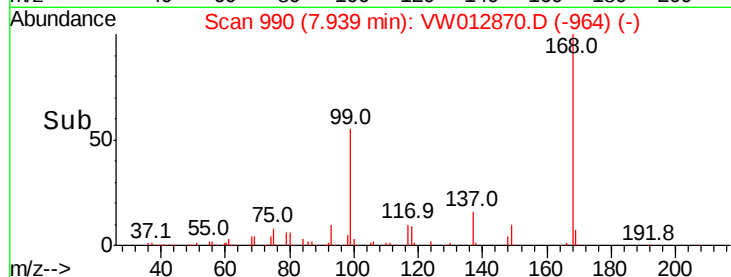
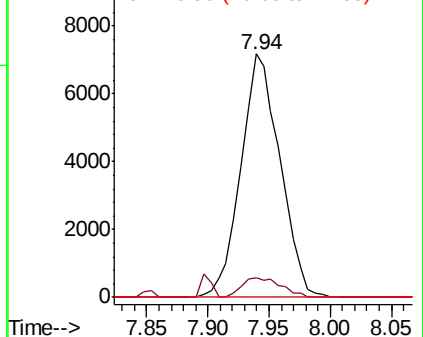
77 0.0 25.0 37.4#



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: 7.453 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

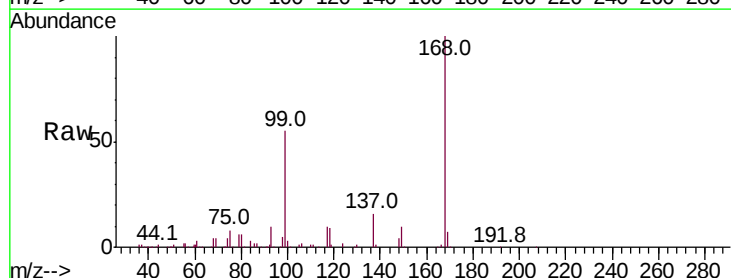
Tgt Ion: 117 Resp: 20407

Ion Ratio Lower Upper

117 100

119 8.2 76.2 114.2#

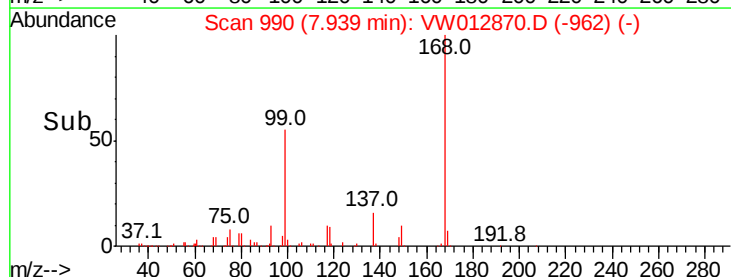
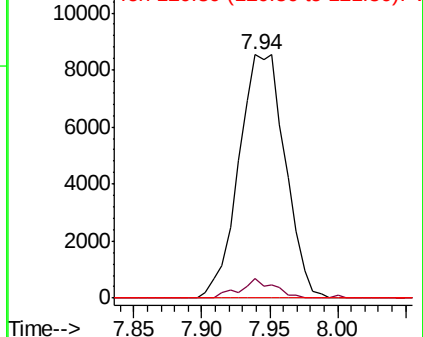
121 0.0 25.4 38.2#

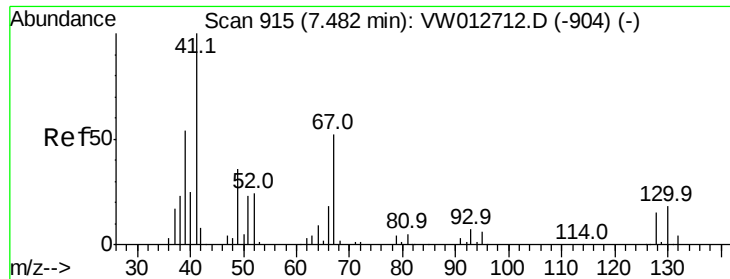


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

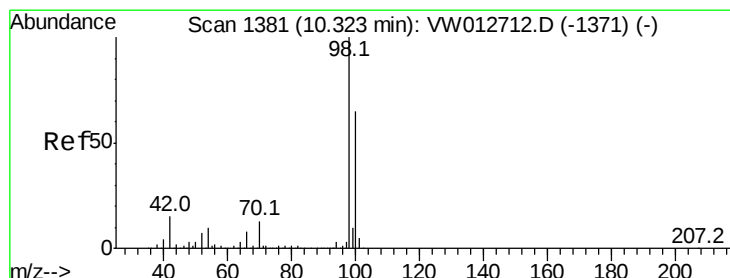
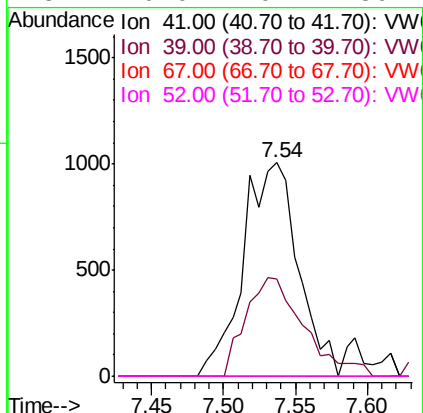
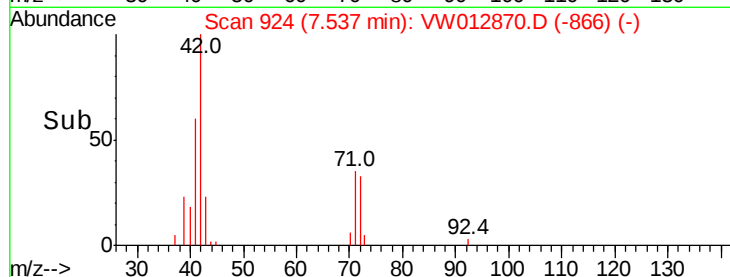
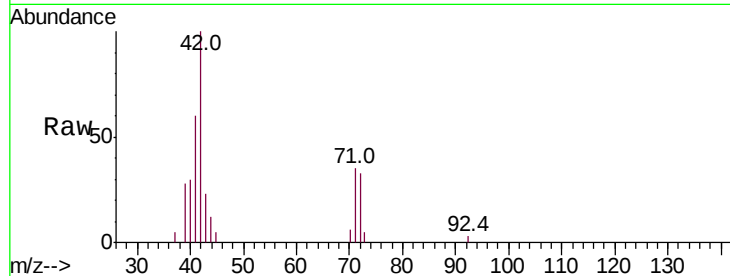




#41
Methacrylonitrile
Concen: 5.884 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012870.D
Acq: 10 Sep 2019 15:07

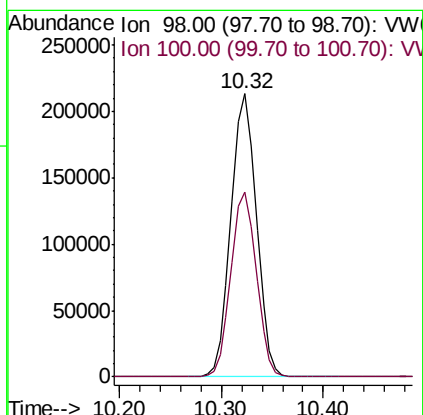
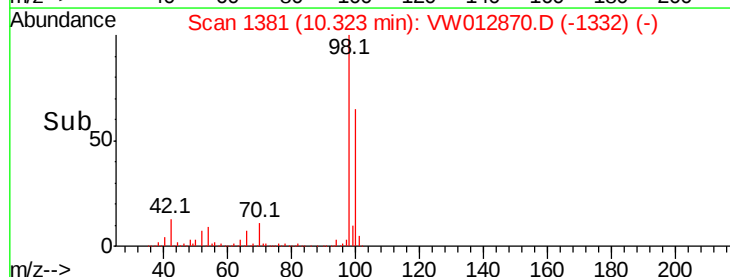
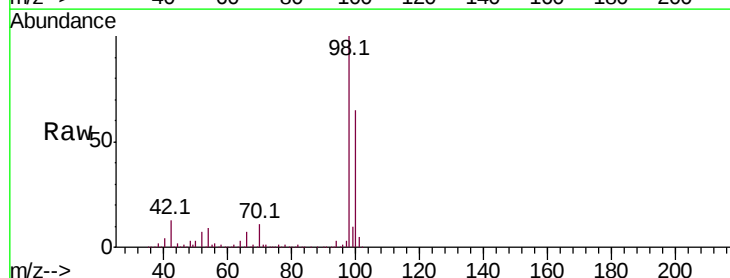
Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-2-ABCD

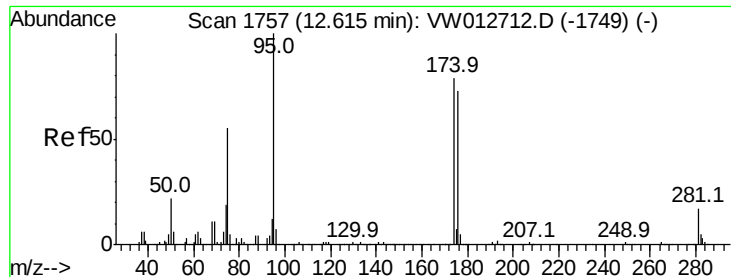
Tot Ion:	41	Resp:	2667
Ion	Ratio	Lower	Upper
41	100		
39	49.1	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 50.805 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012870.D
Acq: 10 Sep 2019 15:07

Tgt Ion:	98	Resp:	369955
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 43.230 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-2-ABCD

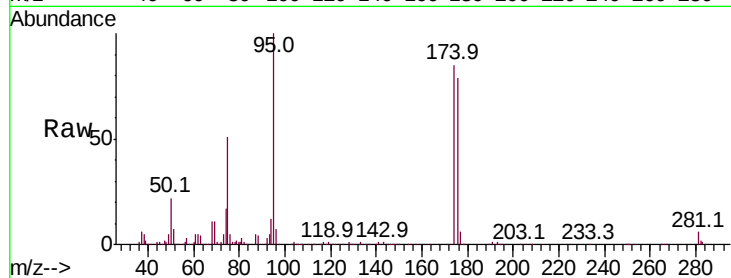
Tot Ion: 95 Resp: 114280

Ion Ratio Lower Upper

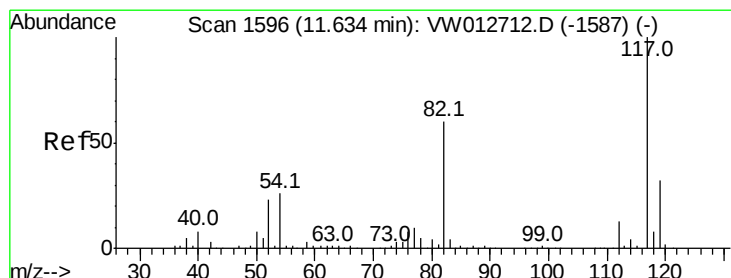
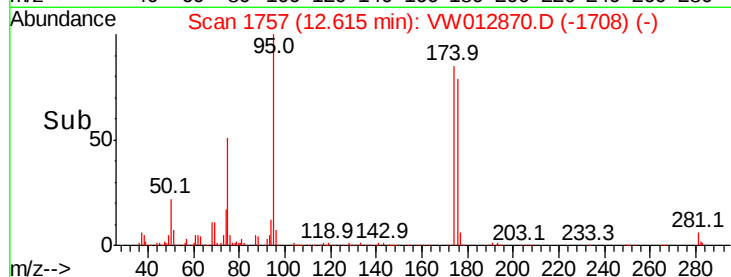
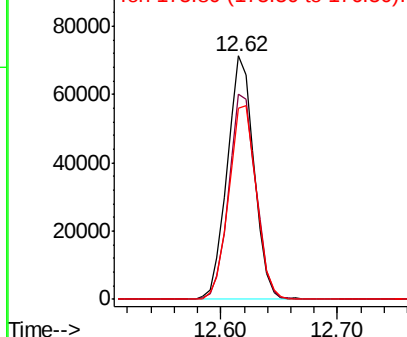
95 100

174 85.3 0.0 161.0

176 82.2 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

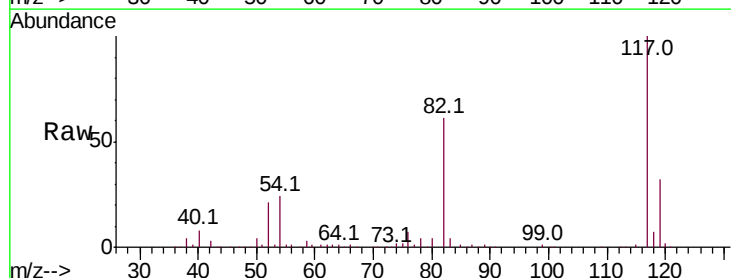
Tgt Ion: 117 Resp: 256372

Ion Ratio Lower Upper

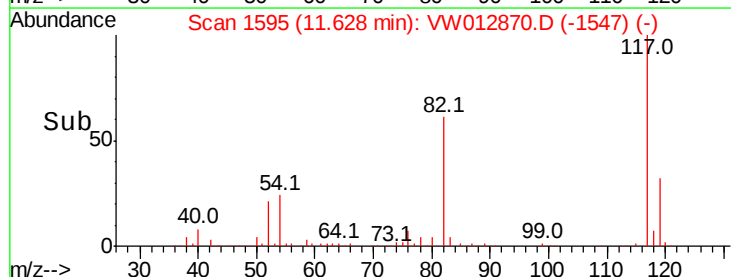
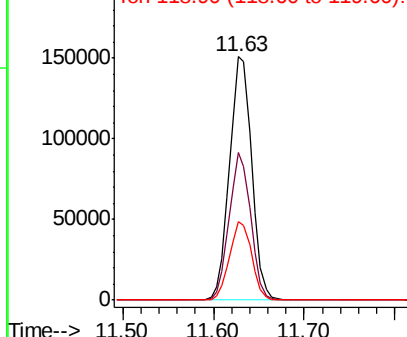
117 100

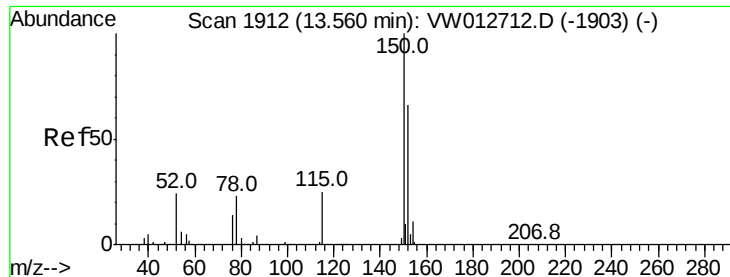
82 60.7 48.2 72.4

119 32.2 25.8 38.6



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



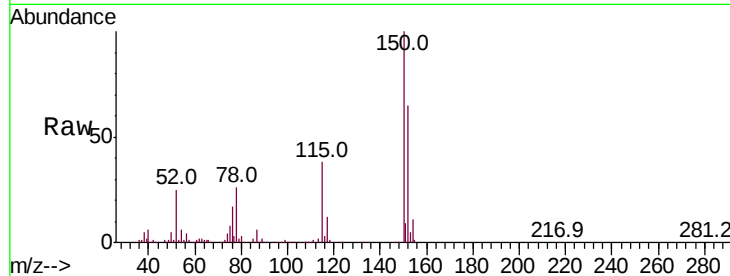


#72

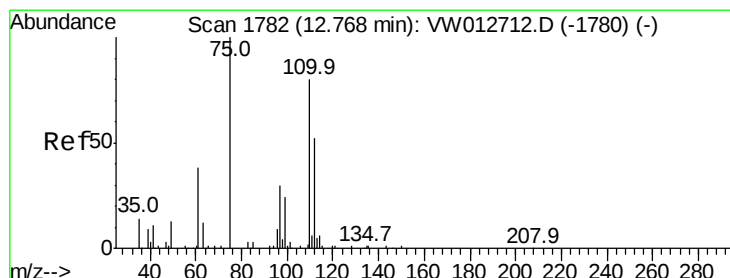
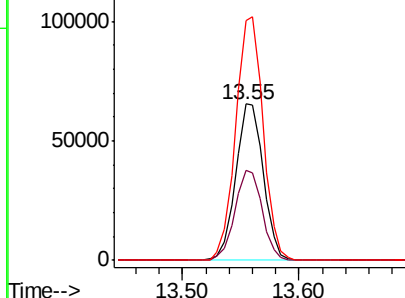
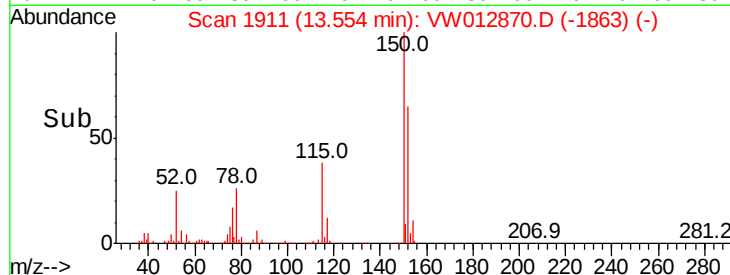
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012870.D
Acq: 10 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-2-ABCD

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.0	90.1
150	154.8	0.0	349.0



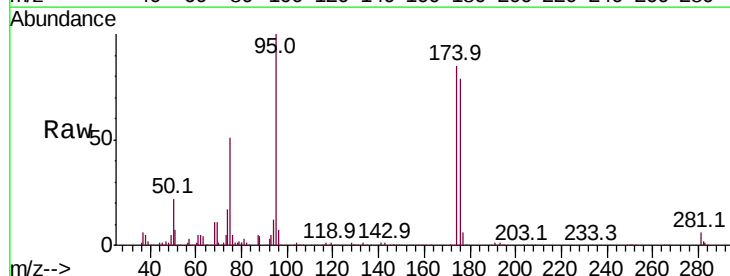
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



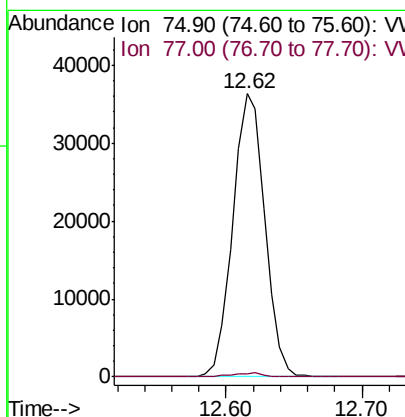
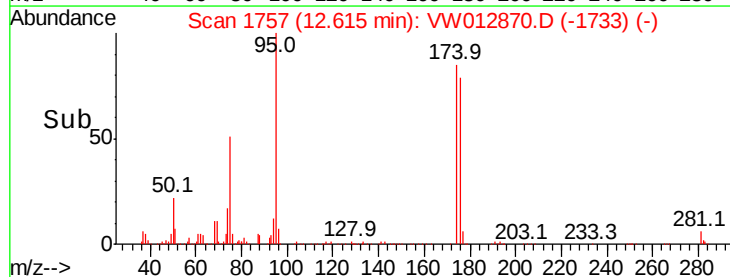
#76

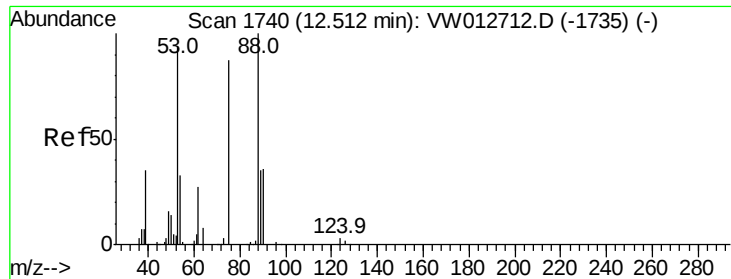
1,2,3-Trichloropropane
Concen: 53.842 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012870.D
Acq: 10 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 113.880 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-2-ABCD

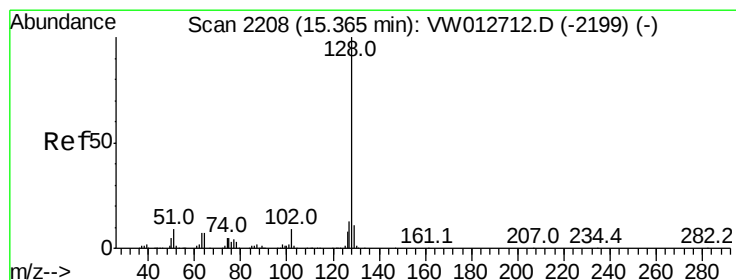
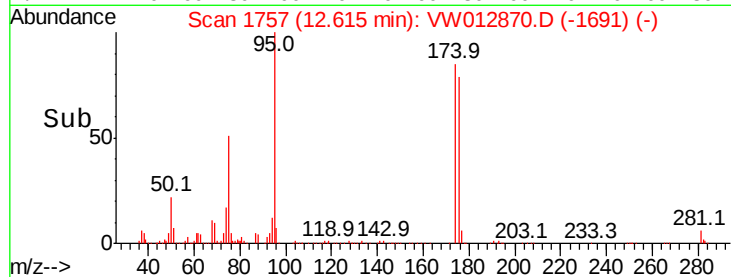
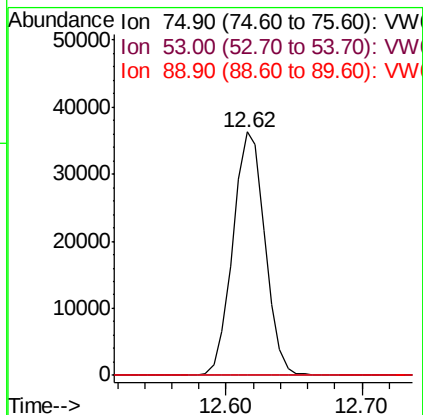
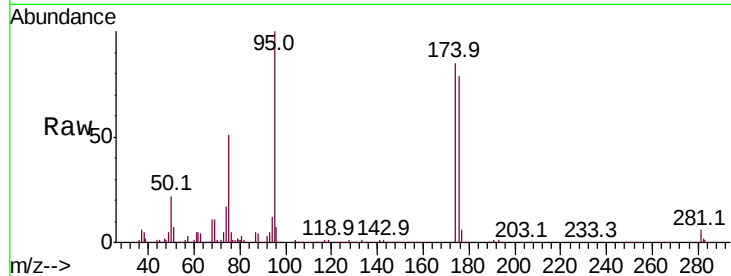
Tot Ion: 75 Resp: 59426

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.511 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012870.D

Acq: 10 Sep 2019 15:07

Tgt Ion: 128 Resp: 360

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 6.1 8.7 13.1#

