

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012871.D
 Acq On : 10 Sep 2019 15:33
 Operator : SY/VA
 Sample : K4570-04
 Misc : 6.07G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOUTH-AVENUE-4-ABCD

Quant Time: Sep 10 17:49:41 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	200905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	212519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	66302	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	107943	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	7.88	113	88148	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.32	98	333126	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.62	95	81228	32.62	ug/l	0.00
Spiked Amount			Recovery	=	65.24%	

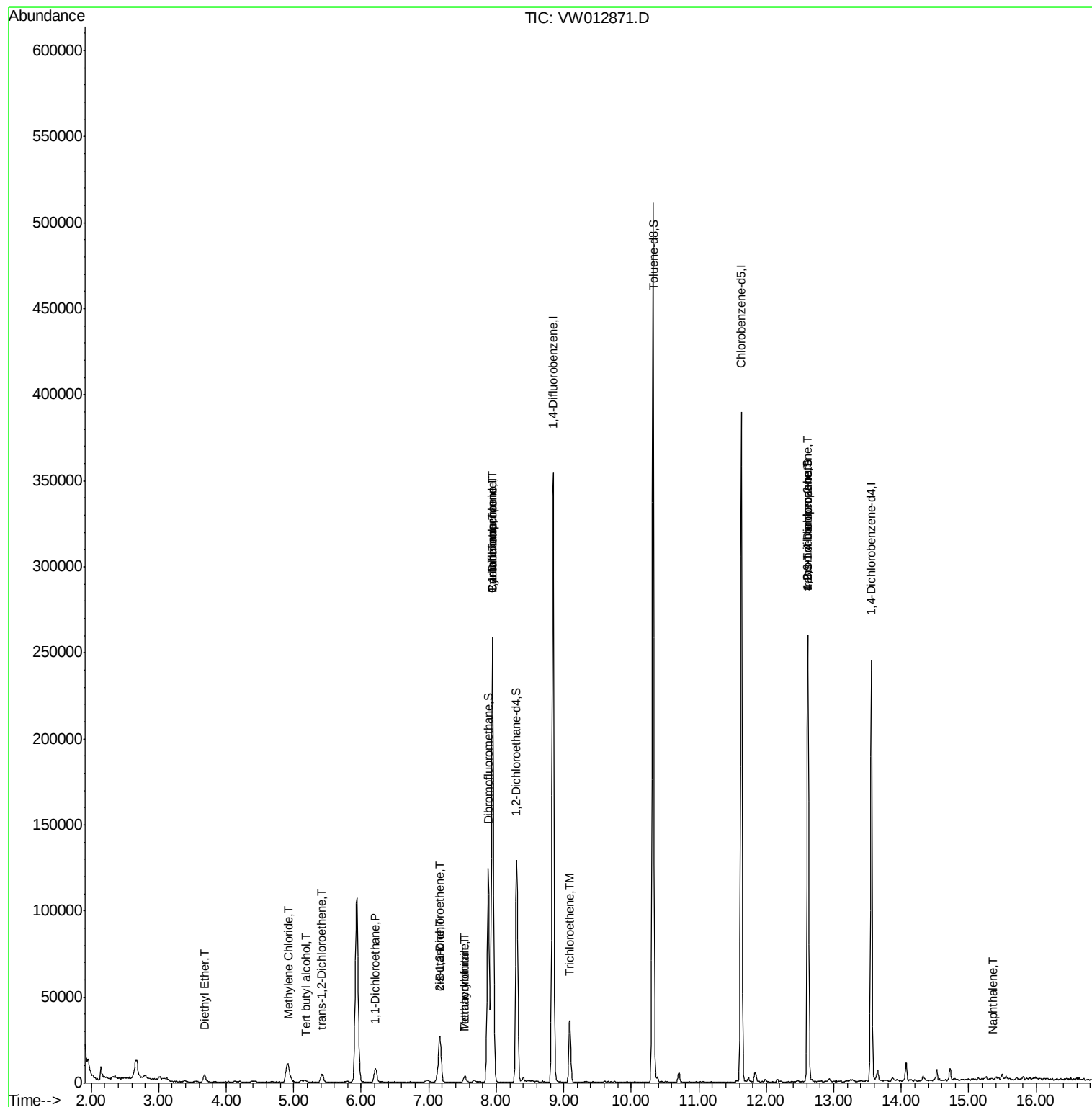
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2545	2.704	ug/l	83
11) Tert butyl alcohol	5.18	59	1618	9.421	ug/l #	81
20) Methylene Chloride	4.92	84	9665	5.048	ug/l #	79
21) trans-1,2-Dichloroethene	5.42	96	2751	1.625	ug/l	90
24) 1,1-Dichloroethane	6.21	63	11213	3.059	ug/l	99
25) 2-Butanone	7.16	43	283	19.970	ug/l #	53
27) cis-1,2-Dichloroethene	7.17	96	14594	7.435	ug/l	87
29) Tetrahydrofuran	7.53	42	2771	5.607	ug/l #	68
31) Cyclohexane	7.95	56	4334	1.313	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14765	5.643	ug/l #	54
38) Carbon Tetrachloride	7.95	117	18283	7.088	ug/l #	17
41) Methacrylonitrile	7.53	41	1883	5.372	ug/l #	58
44) Trichloroethene	9.09	130	12792	6.836	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	42665	62.931	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	42665	133.103	ug/l #	6
95) Naphthalene	15.36	128	193	4.502	ug/l #	69

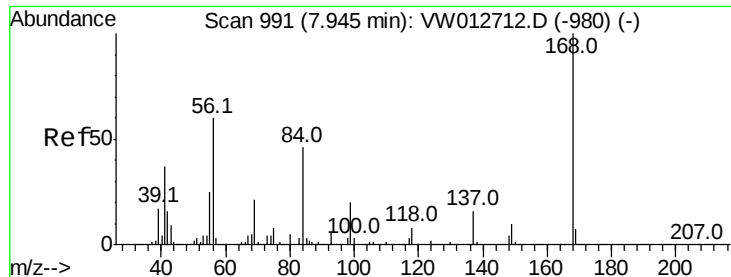
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
Data File : VW012871.D
Acq On : 10 Sep 2019 15:33
Operator : SY/VA
Sample : K4570-04
Misc : 6.07G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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SOUTH-AVENUE-4-ABCD

Quant Time: Sep 10 17:49:41 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: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

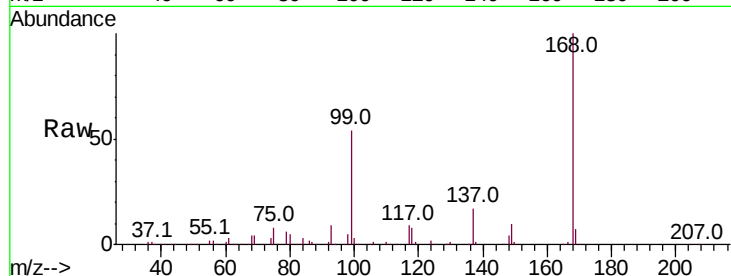
SOUTH-AVENUE-4-ABCD

Tot Ion:168 Resp: 200905

Ion Ratio Lower Upper

168 100

99 54.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

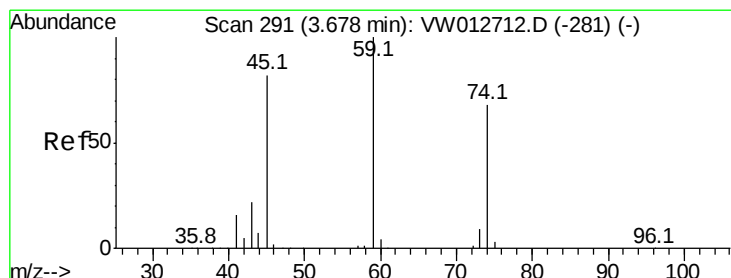
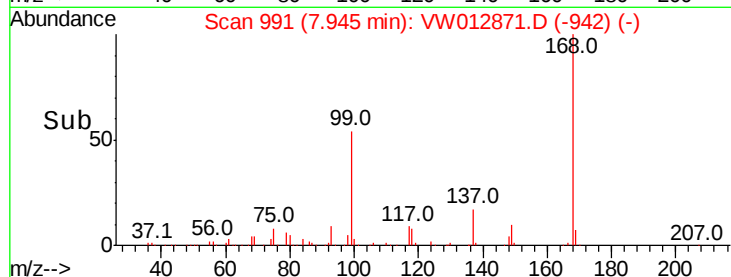
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.704 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012871.D

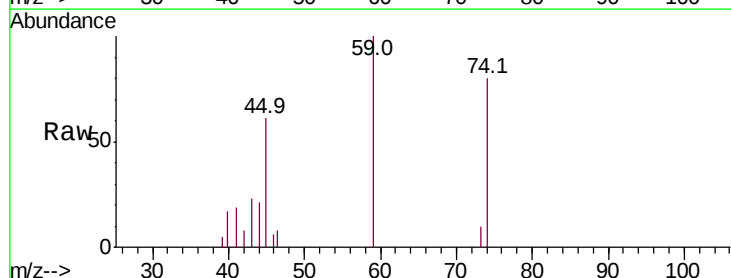
Acq: 10 Sep 2019 15:33

Tgt Ion: 74 Resp: 2545

Ion Ratio Lower Upper

74 100

45 98.5 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

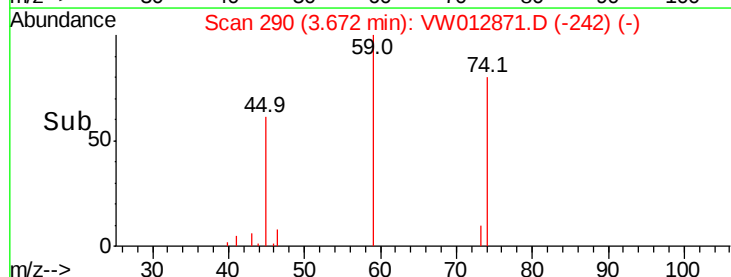
600

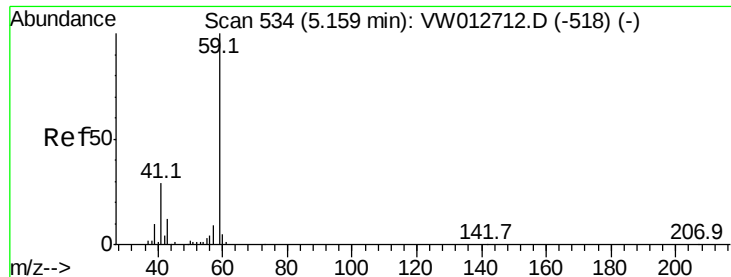
400

200

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 9.421 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.02 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

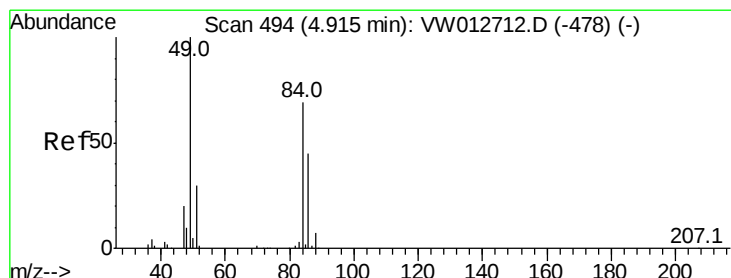
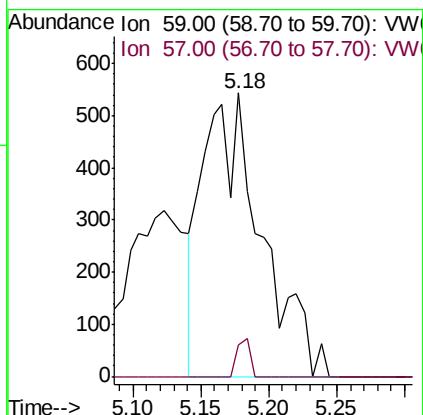
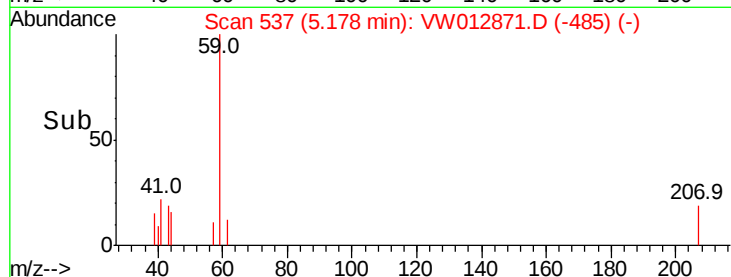
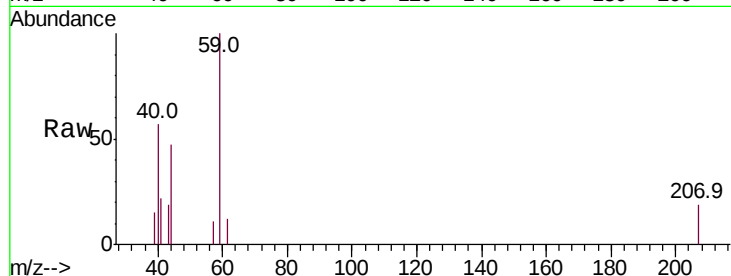
SOUTH-AVENUE-4-ABCD

Tot Ion: 59 Resp: 1618

Ion Ratio Lower Upper

59 100

57 3.0 8.2 12.4#



#20

Methylene Chloride

Concen: 5.048 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Tgt Ion: 84 Resp: 9665

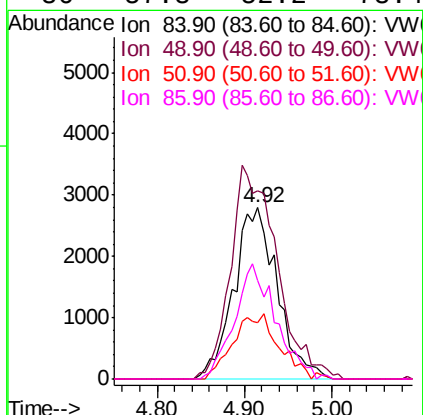
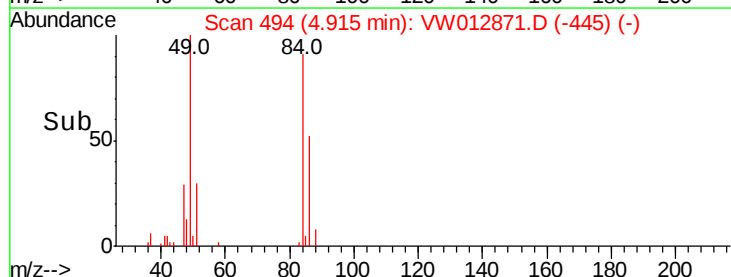
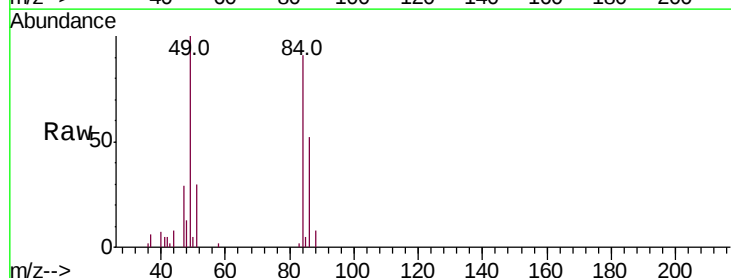
Ion Ratio Lower Upper

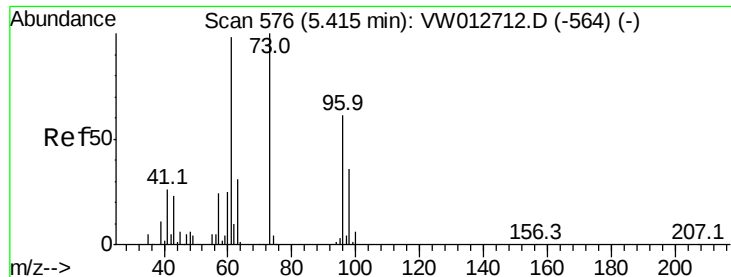
84 100

49 110.3 115.4 173.0#

51 32.9 34.9 52.3#

86 57.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 1.625 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-4-ABCD

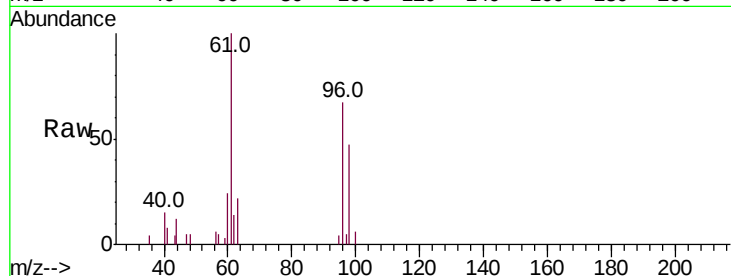
Tot Ion: 96 Resp: 2751

Ion Ratio Lower Upper

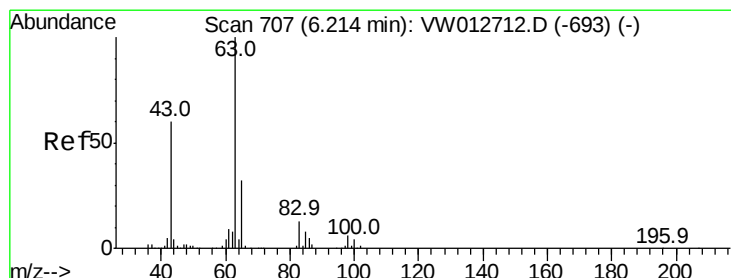
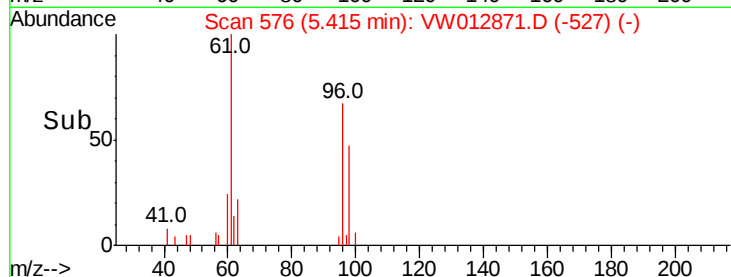
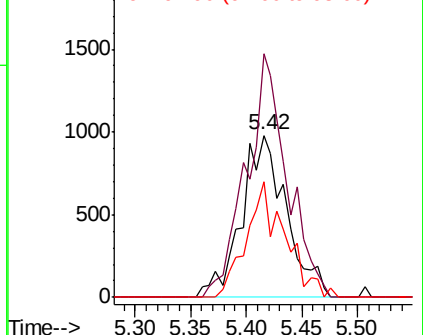
96 100

61 150.1 129.2 193.8

98 71.2 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#24

1,1-Dichloroethane

Concen: 3.059 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

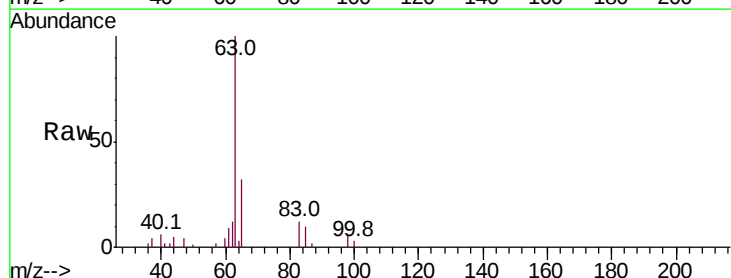
Tgt Ion: 63 Resp: 11213

Ion Ratio Lower Upper

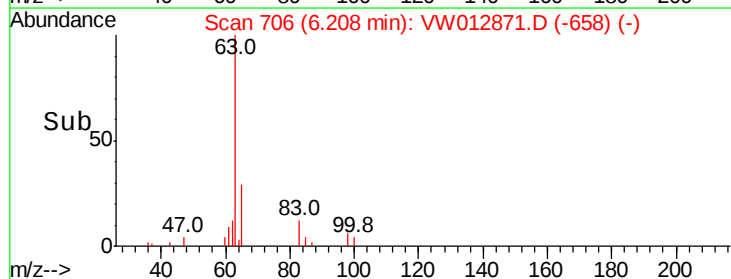
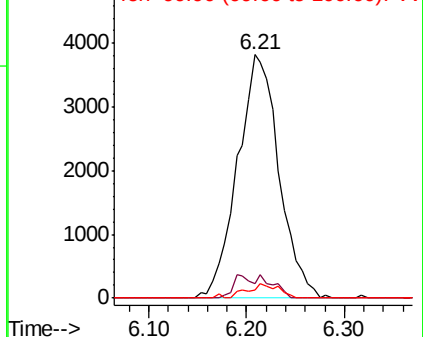
63 100

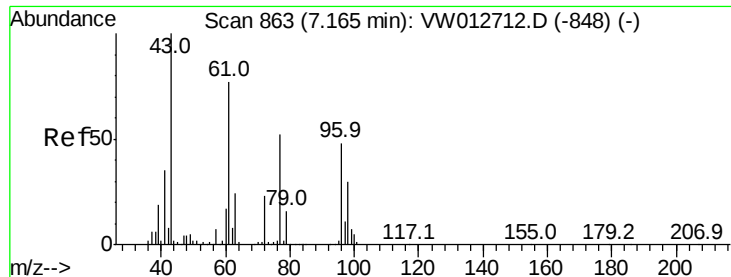
98 5.9 3.1 9.3

100 3.5 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 19.970 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

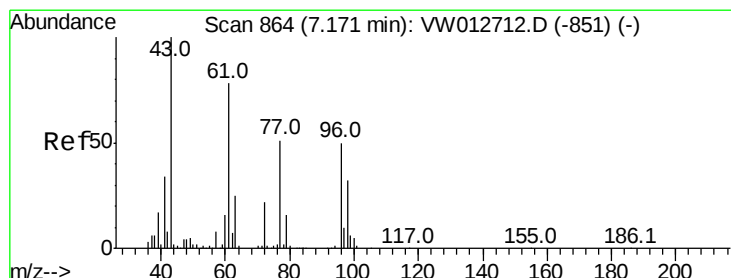
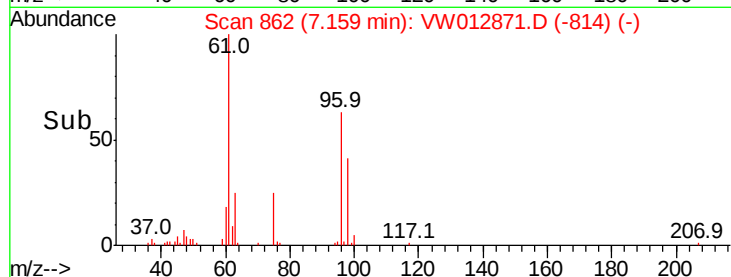
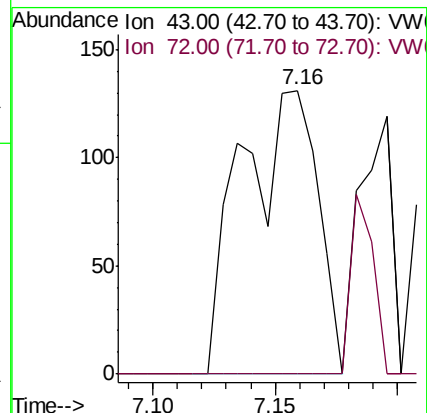
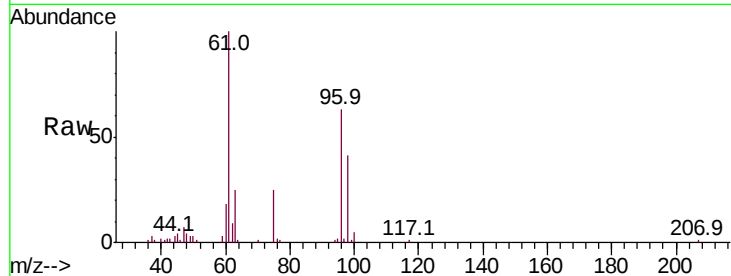
SOUTH-AVENUE-4-ABCD

Tot Ion: 43 Resp: 283

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#27

cis-1,2-Dichloroethene

Concen: 7.435 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

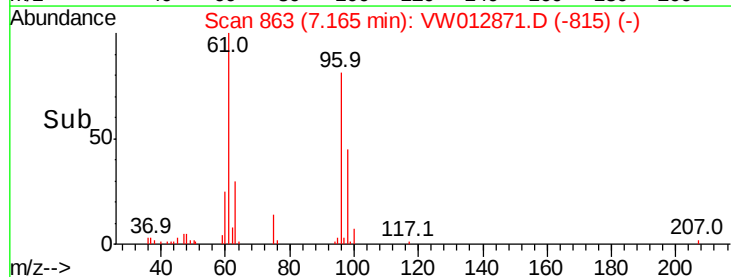
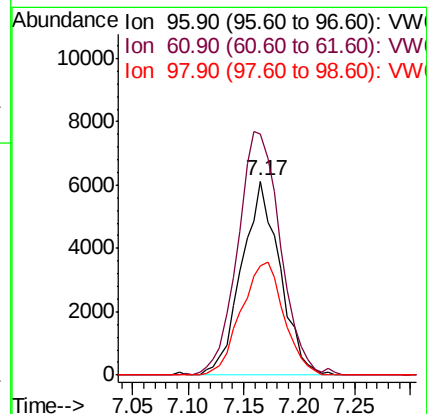
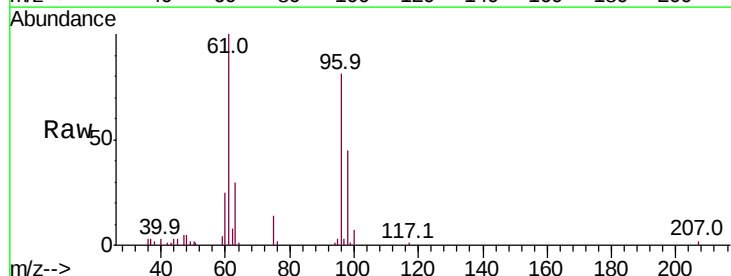
Tgt Ion: 96 Resp: 14594

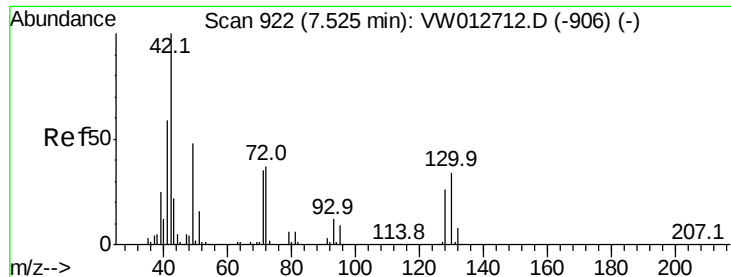
Ion Ratio Lower Upper

96 100

61 140.6 0.0 325.8

98 65.2 0.0 127.0

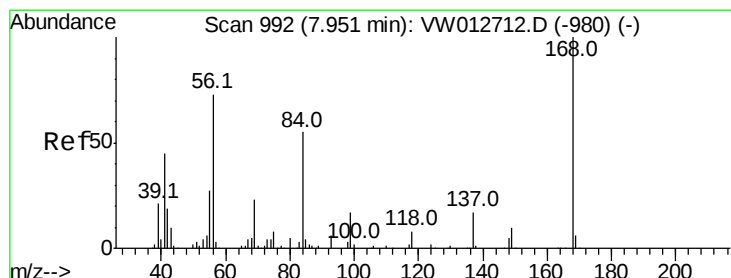
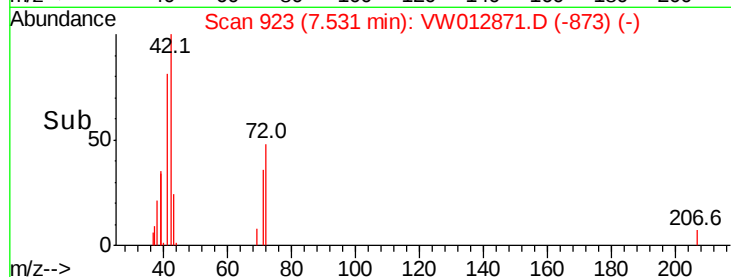
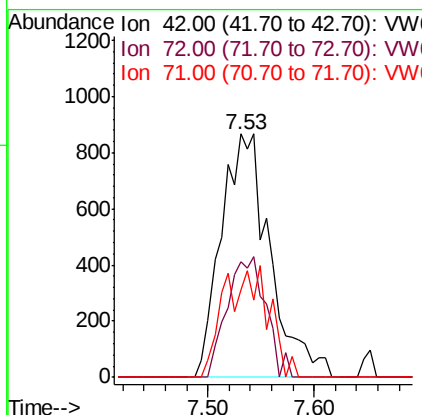
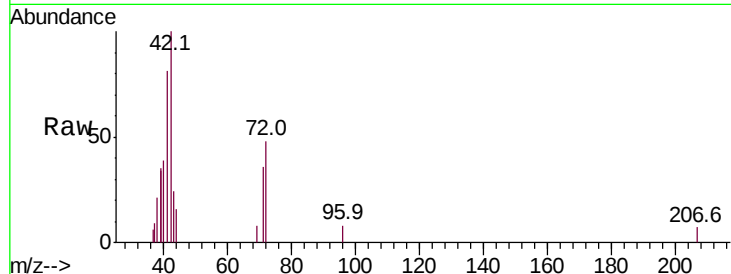




#29
Tetrahydrofuran
Concen: 5.607 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

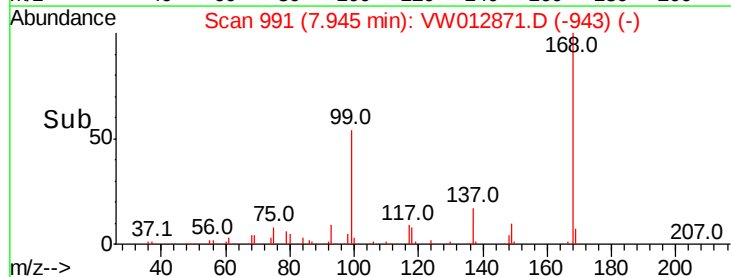
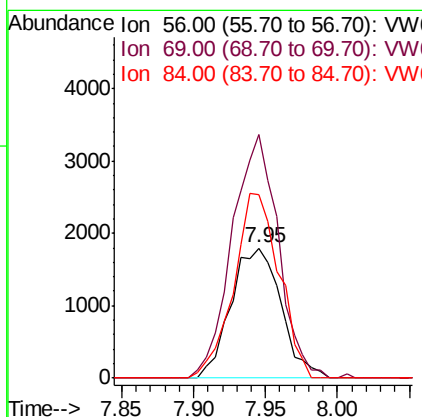
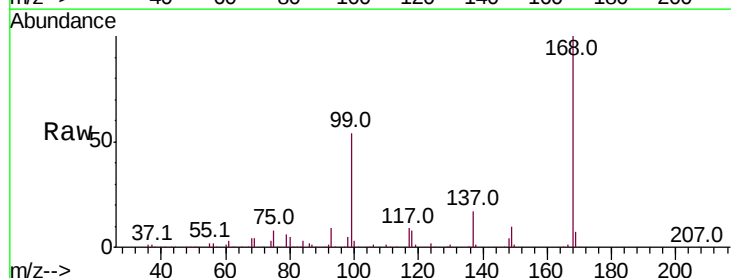
Instrument :
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ClientSampleId :
SOUTH-AVENUE-4-ABCD

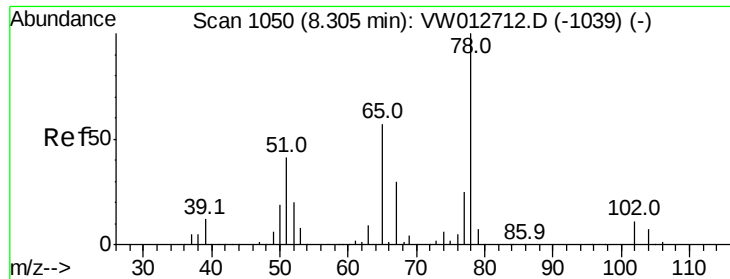
Tot Ion: 42 Resp: 2771
Ion Ratio Lower Upper
42 100
72 39.2 28.4 42.6
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 56 Resp: 4334
Ion Ratio Lower Upper
56 100
69 187.5 25.7 38.5#
84 141.2 60.4 90.6#

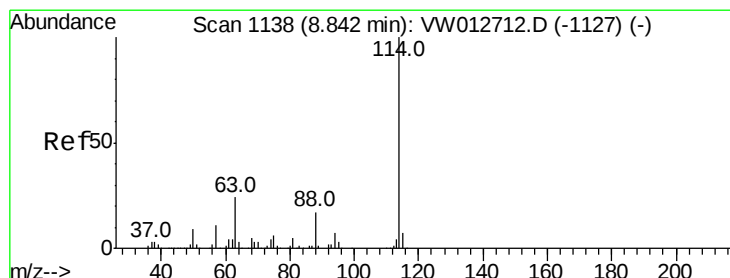
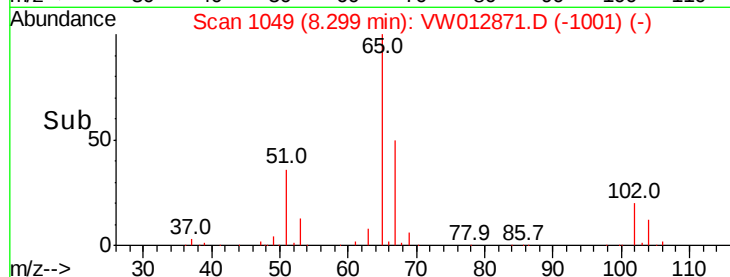
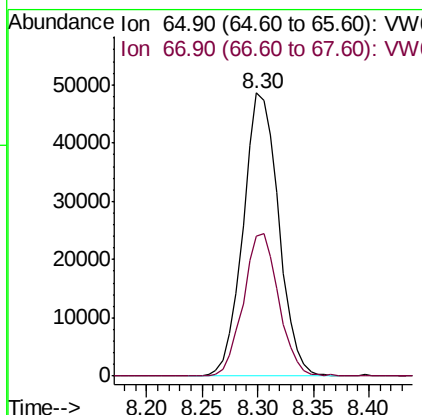
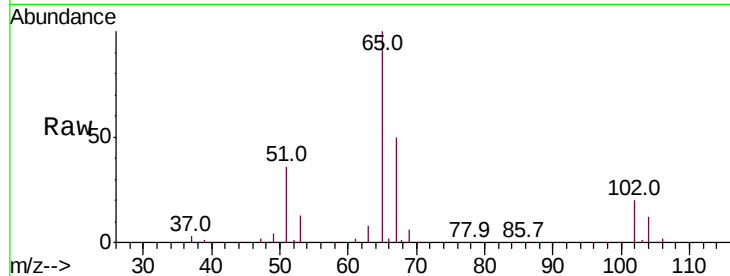




#33
 1,2-Dichloroethane-d4
 Concen: 48.086 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012871.D
 Acq: 10 Sep 2019 15:33

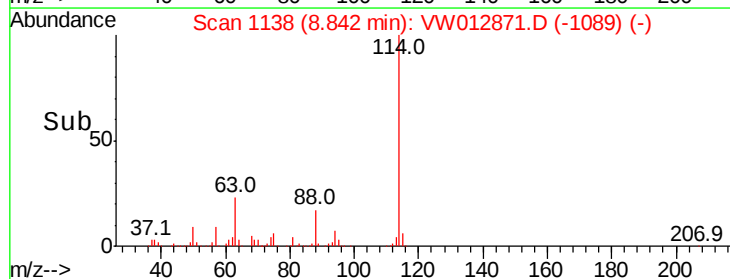
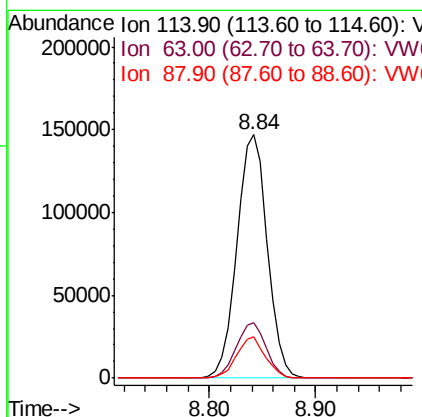
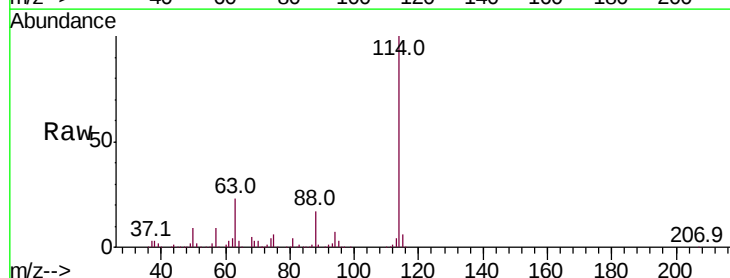
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 SOUTH-AVENUE-4-ABCD

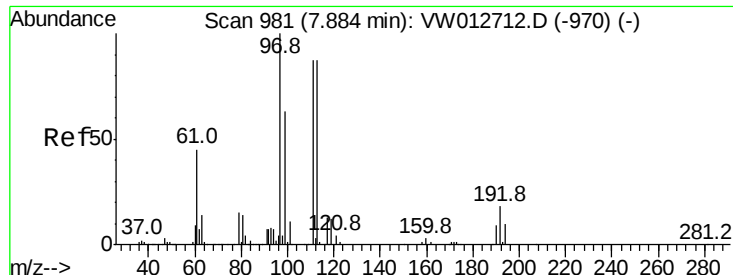
Tot Ion: 65 Resp: 107943
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012871.D
 Acq: 10 Sep 2019 15:33

Tgt Ion: 114 Resp: 294483
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.2
 88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.348 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-4-ABCD

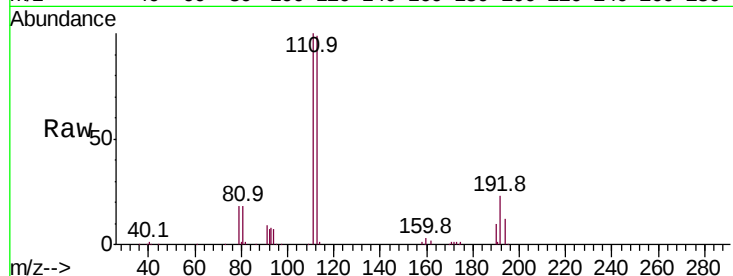
Tot Ion:113 Resp: 88148

Ion Ratio Lower Upper

113 100

111 103.0 80.2 120.4

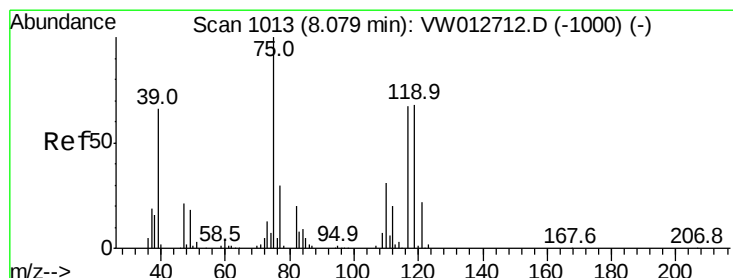
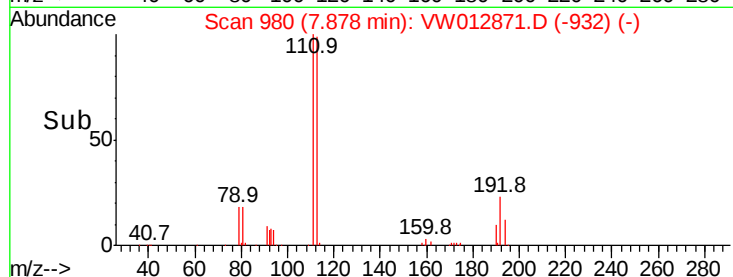
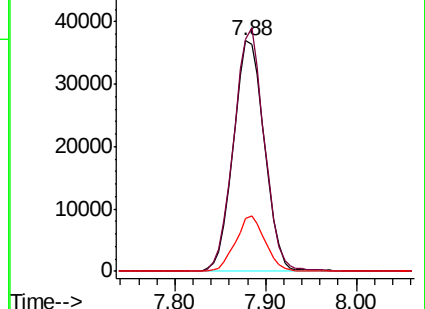
192 22.9 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.643 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

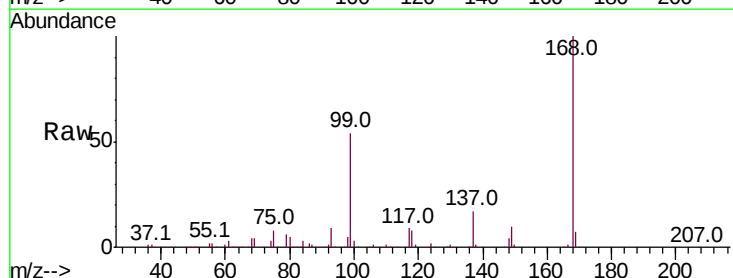
Tgt Ion: 75 Resp: 14765

Ion Ratio Lower Upper

75 100

110 11.9 15.9 47.7#

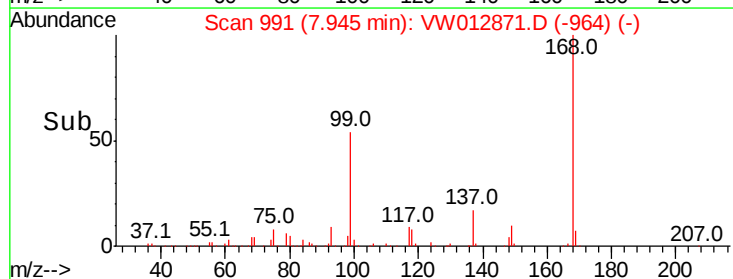
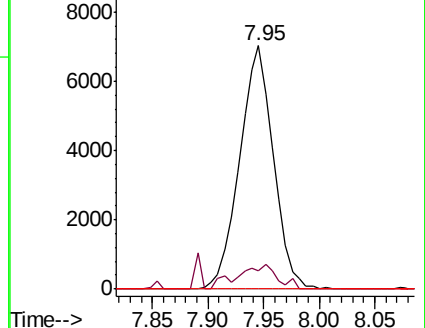
77 0.0 25.0 37.4#

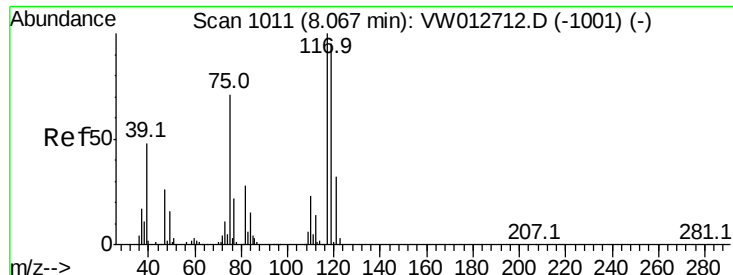


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.088 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-4-ABCD

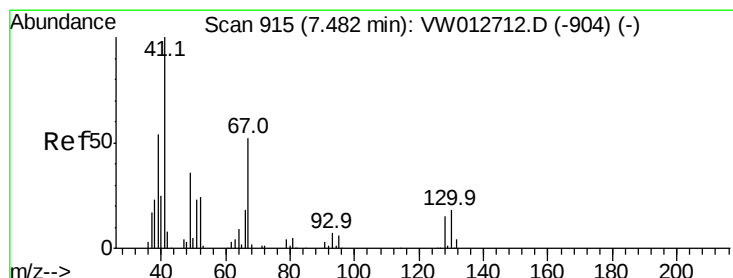
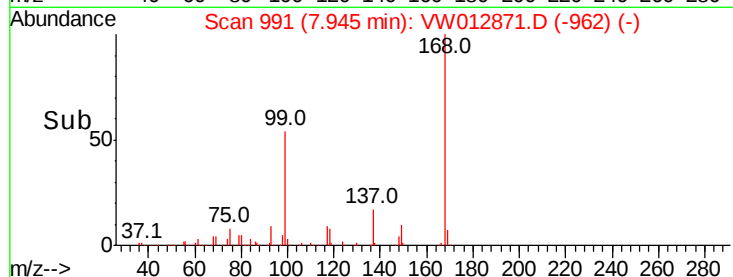
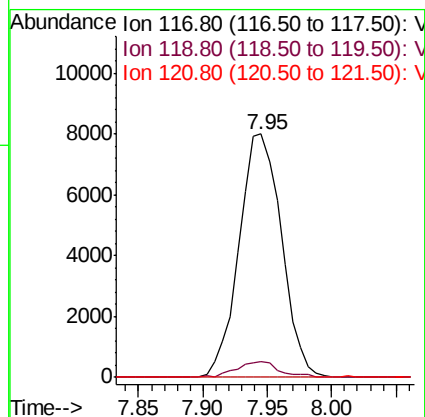
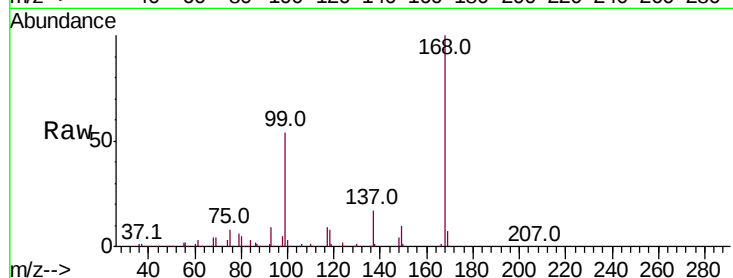
Tot Ion:117 Resp: 18283

Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

121 0.0 25.4 38.2#



#41

Methacrylonitrile

Concen: 5.372 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Tgt Ion: 41 Resp: 1883

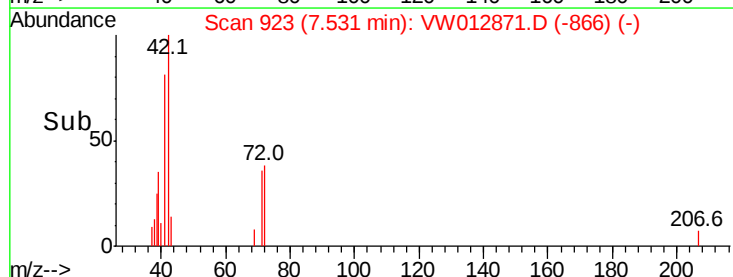
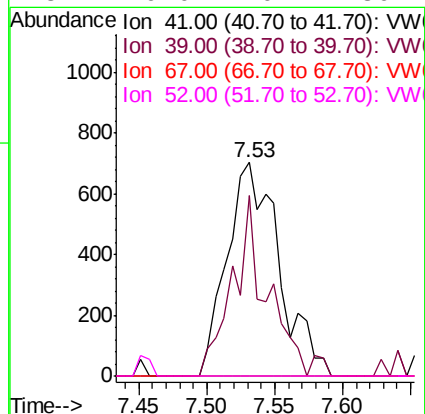
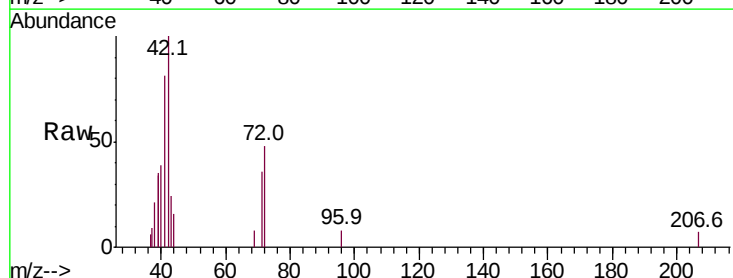
Ion Ratio Lower Upper

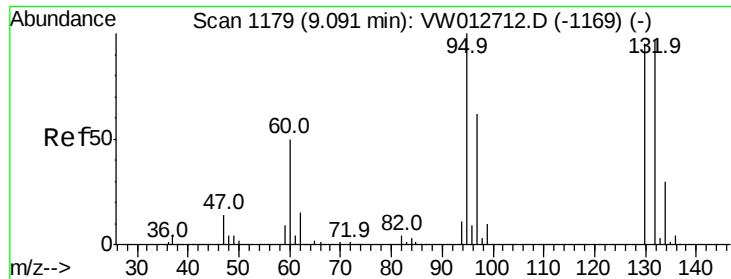
41 100

39 54.8 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#





#44

Trichloroethene

Concen: 6.836 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012871.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

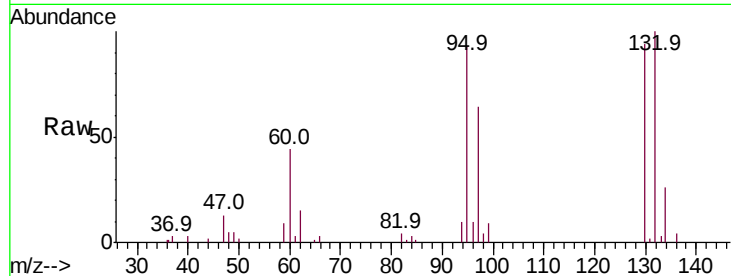
SOUTH-AVENUE-4-ABCD

Tot Ion:130 Resp: 12792

Ion Ratio Lower Upper

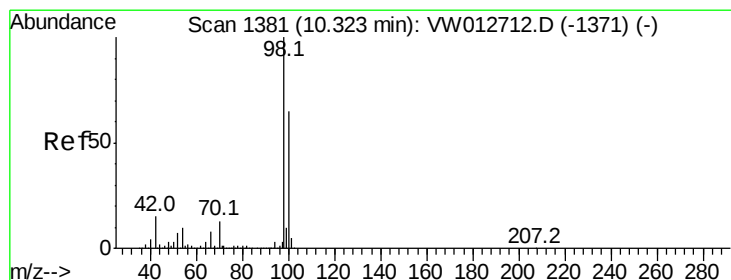
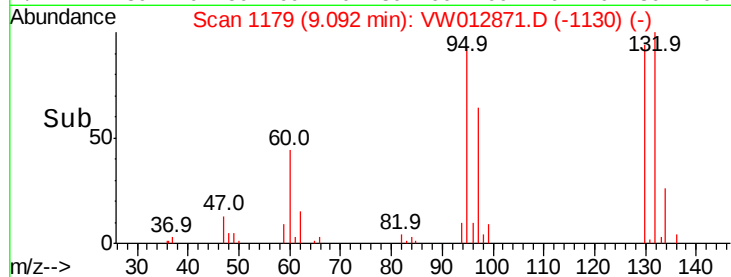
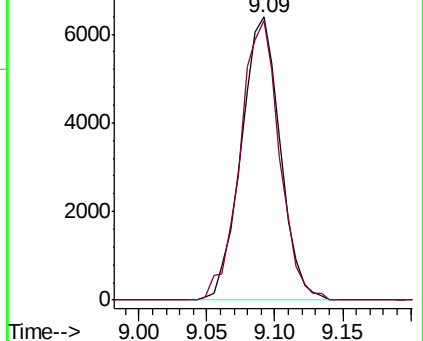
130 100

95 98.6 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 48.567 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012871.D

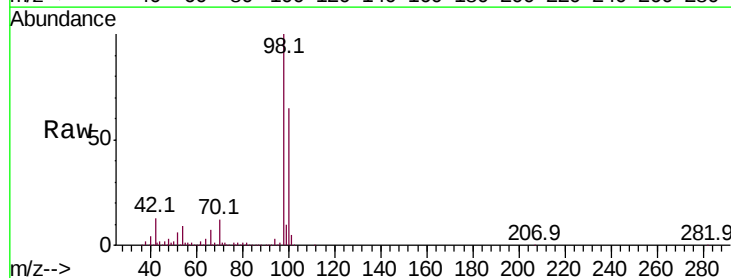
Acq: 10 Sep 2019 15:33

Tgt Ion: 98 Resp: 333126

Ion Ratio Lower Upper

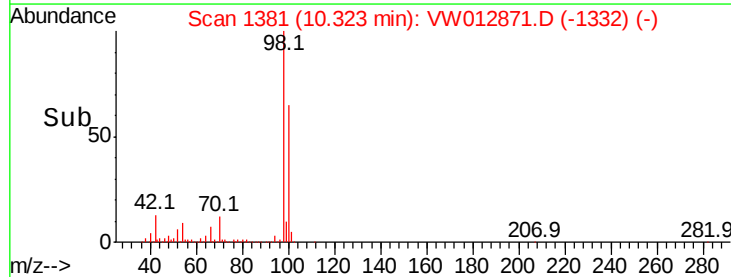
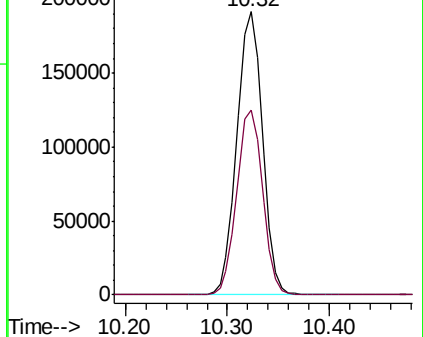
98 100

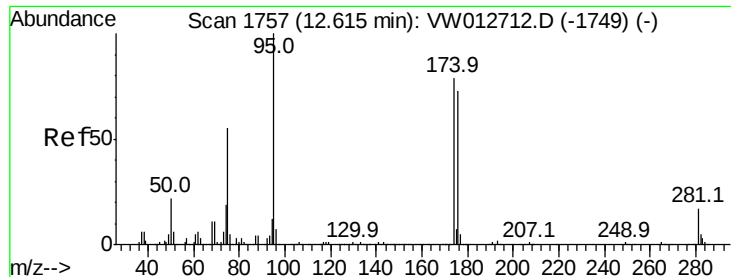
100 66.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

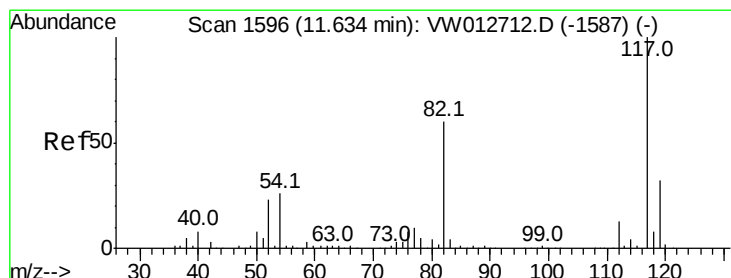
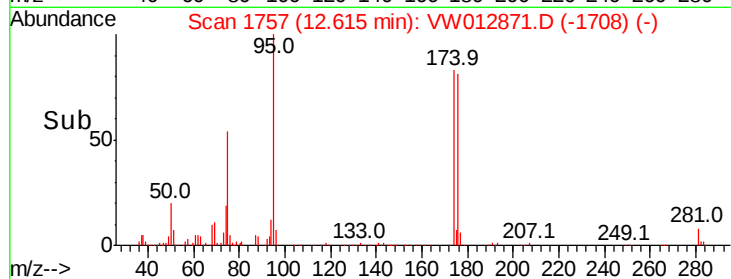
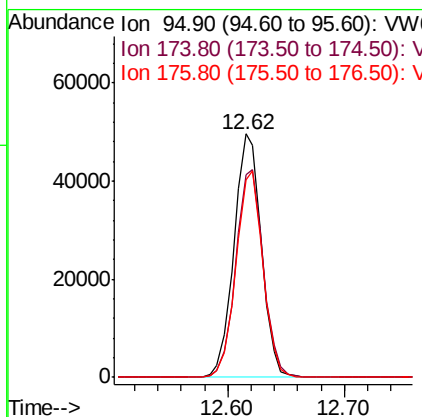
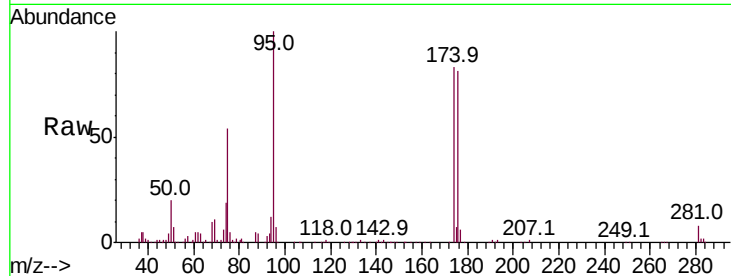




#62
4-Bromofluorobenzene
Concen: 32.621 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

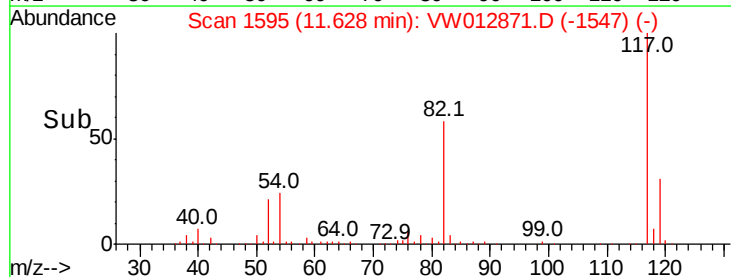
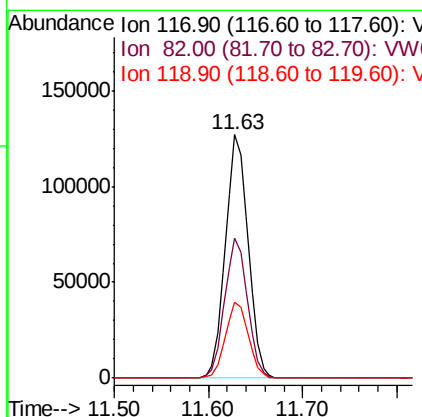
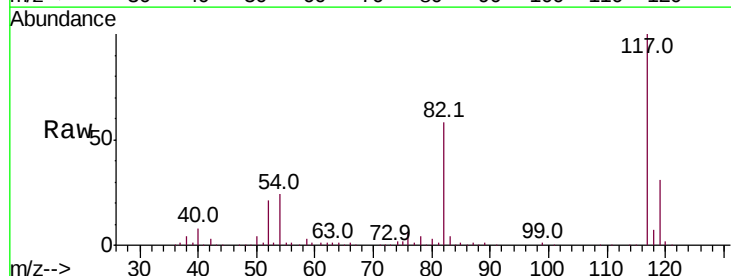
Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-4-ABCD

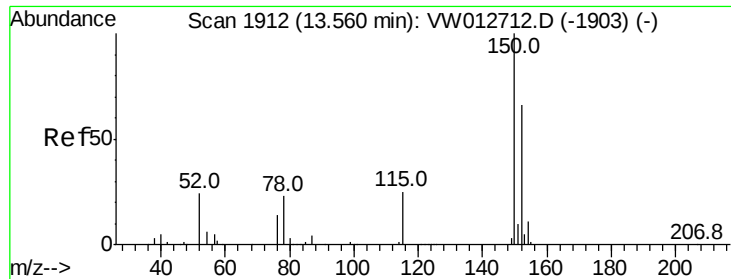
Tot Ion: 95 Resp: 81228
Ion Ratio Lower Upper
95 100
174 85.8 0.0 161.0
176 83.2 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 117 Resp: 212519
Ion Ratio Lower Upper
117 100
82 57.6 48.2 72.4
119 31.0 25.8 38.6



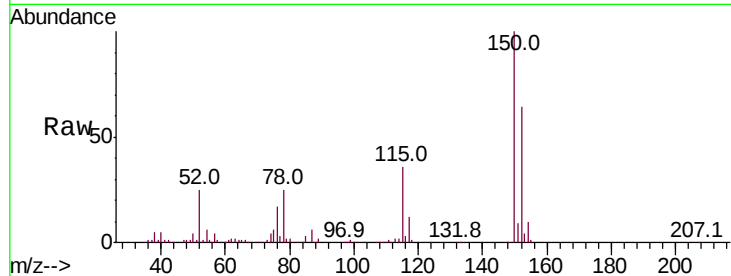


#72

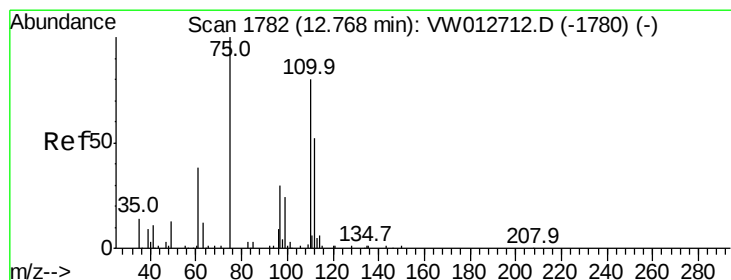
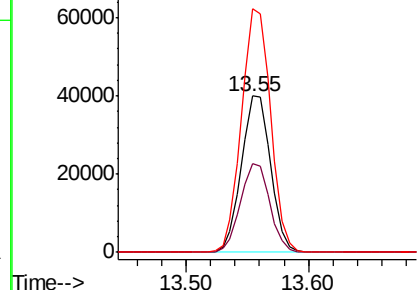
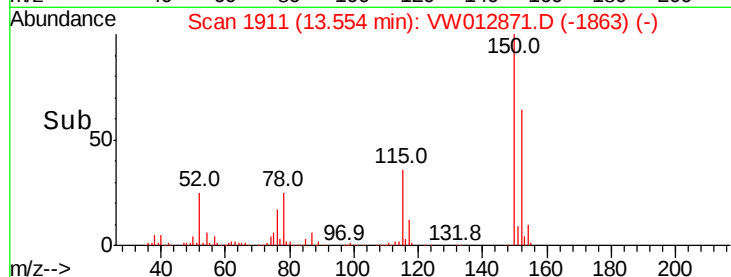
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-4-ABCD

Tot Ion:152 Resp: 66302
Ion Ratio Lower Upper
152 100
115 56.7 30.0 90.1
150 154.7 0.0 349.0



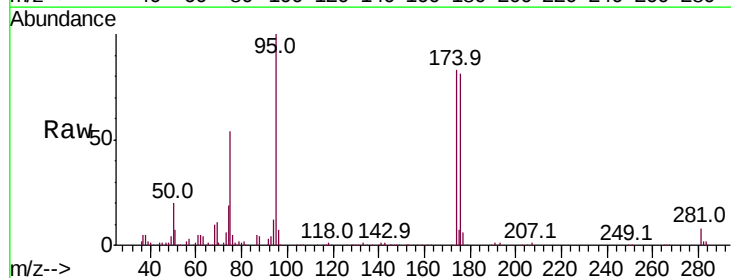
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



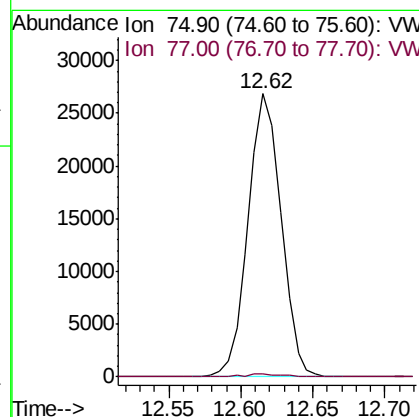
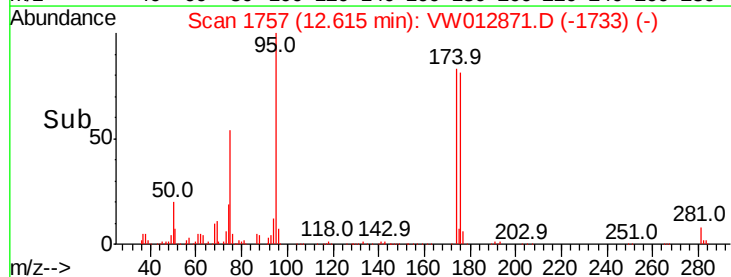
#76

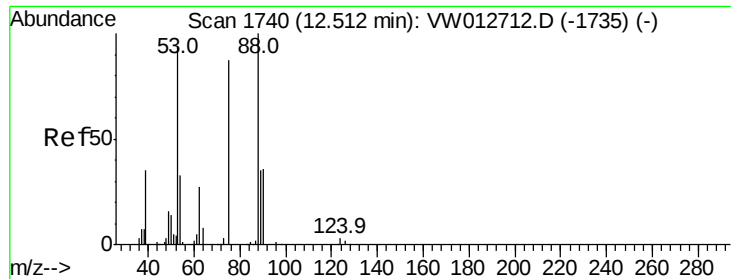
1,2,3-Trichloropropane
Concen: 62.931 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 75 Resp: 42665
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

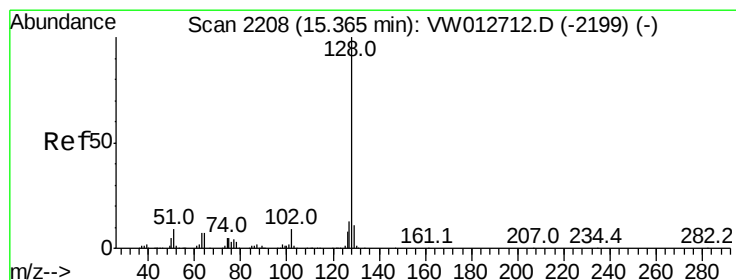
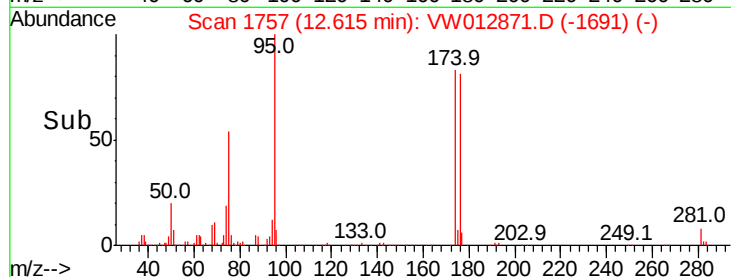
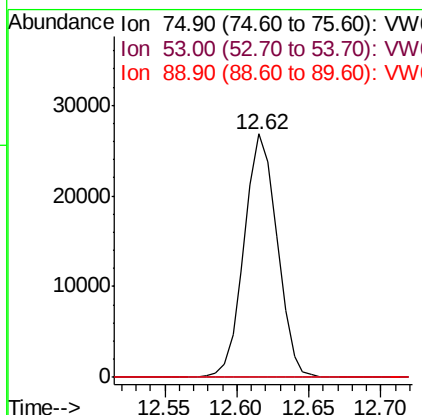
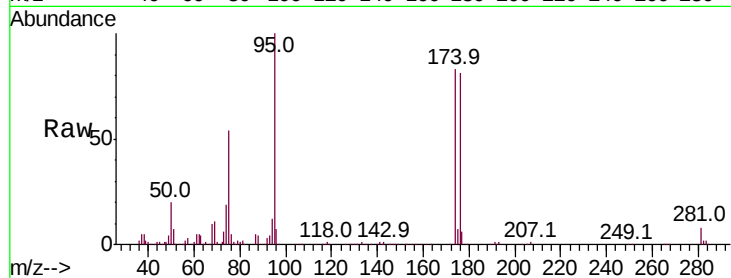




#81
trans-1,4-Dichloro-2-butene
Concen: 133.103 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-4-ABCD

Tot Ion: 75 Resp: 42665
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.502 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012871.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 128 Resp: 193
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

