

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011452.D
 Acq On : 24 Jul 2019 00:53
 Operator : SY/VA
 Sample : K3916-02
 Misc : 5.96G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GIS-BUILDING-2

Quant Time: Jul 24 06:41:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135685	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	148327	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	7.88	113	115716	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.32	98	485297	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.62	95	180906	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

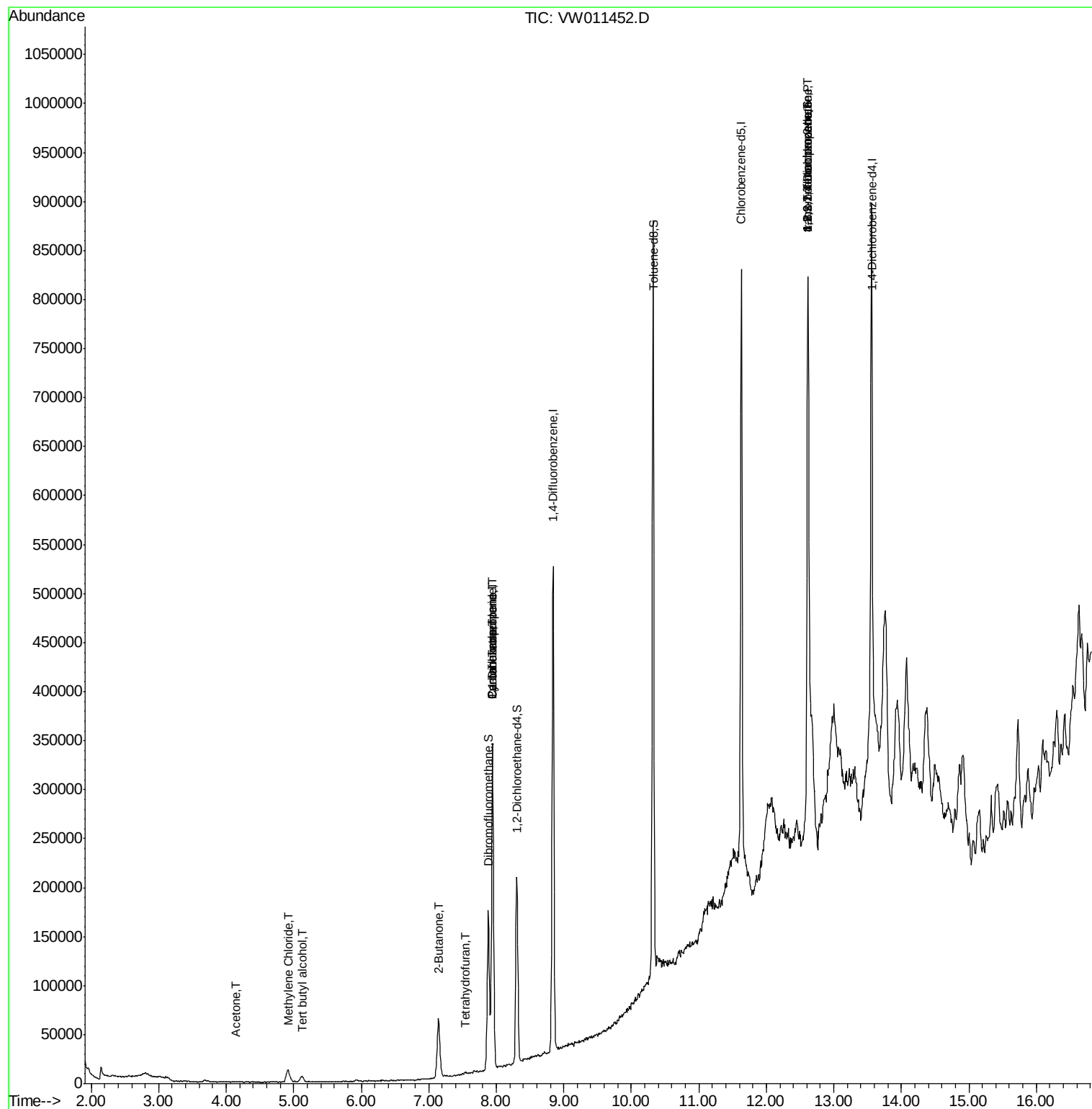
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6078	27.715	ug/l #	73
16) Acetone	4.14	43	1232	1.729	ug/l #	63
18) Methyl Acetate	4.67	43	509	Below Cal	#	67
20) Methylene Chloride	4.92	84	10199	3.627	ug/l	85
25) 2-Butanone	7.15	43	3427	3.063	ug/l #	73
29) Tetrahydrofuran	7.55	42	1302	1.775	ug/l #	66
31) Cyclohexane	7.95	56	5970	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19929	4.755	ug/l #	55
38) Carbon Tetrachloride	7.95	117	23477	6.607	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	12.62	83	17378	8.358	ug/l #	32
76) 1,2,3-Trichloropropane	12.62	75	81571	52.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81571	117.664	ug/l #	10

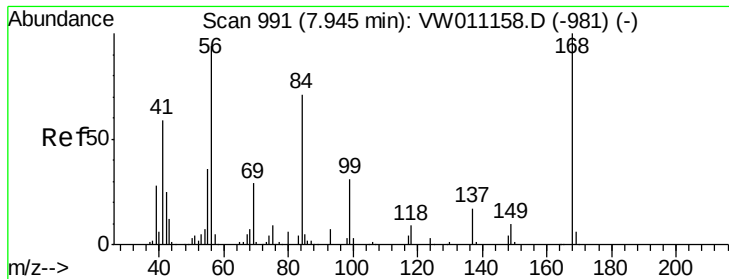
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

Instrument :

MSVOA_W

ClientSampleId :

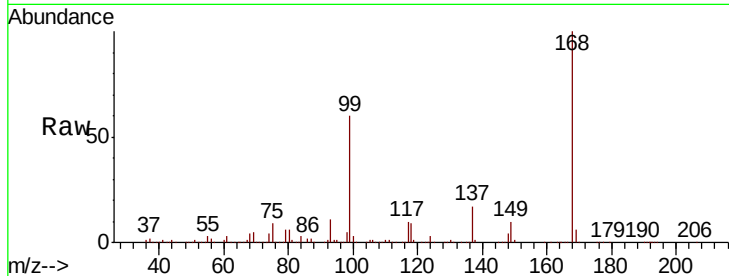
GIS-BUILDING-2

Tot Ion:168 Resp: 235733

Ion Ratio Lower Upper

168 100

99 60.5 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

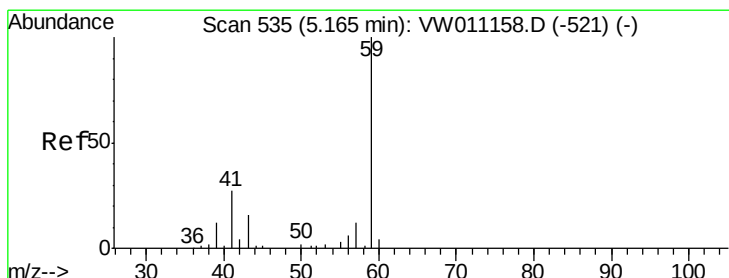
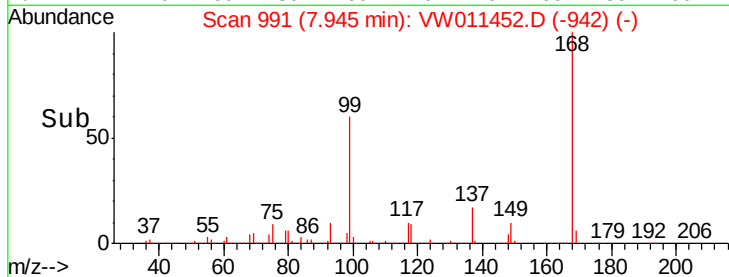
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 27.715 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011452.D

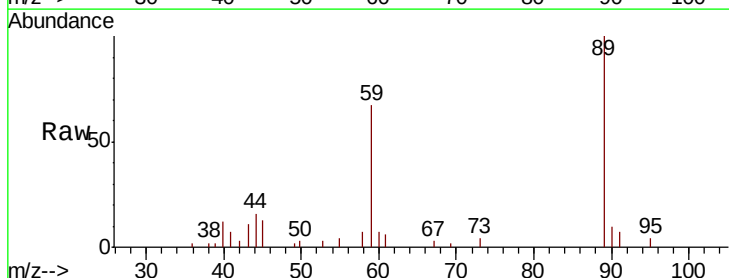
Acq: 24 Jul 2019 00:53

Tgt Ion: 59 Resp: 6078

Ion Ratio Lower Upper

59 100

57 1.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

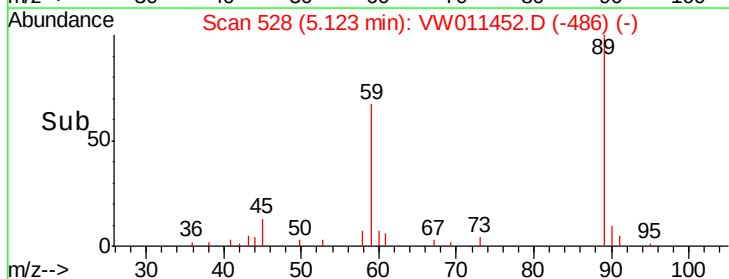
1500

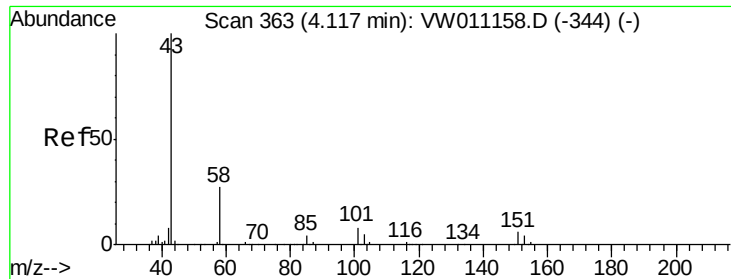
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 1.729 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

Instrument :

MSVOA_W

ClientSampled :

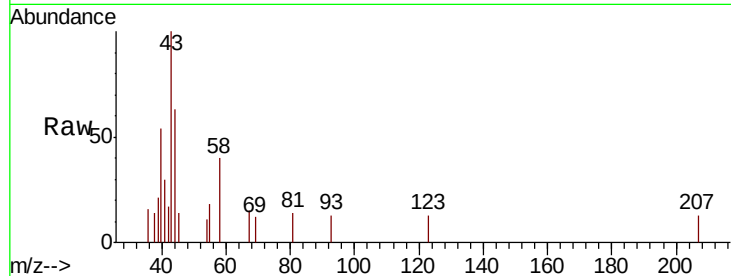
GIS-BUILDING-2

Tot Ion: 43 Resp: 1232

Ion Ratio Lower Upper

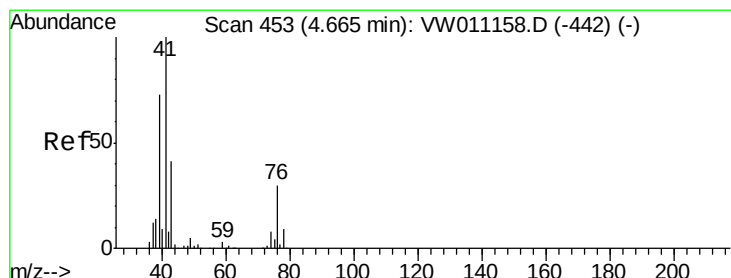
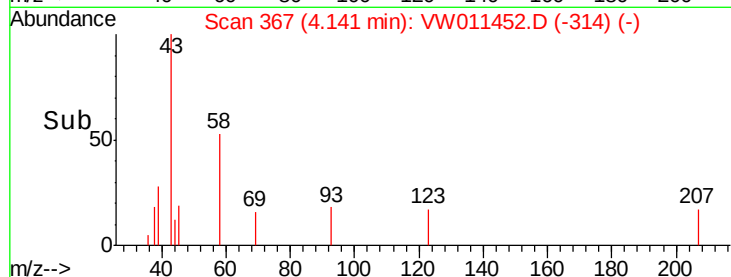
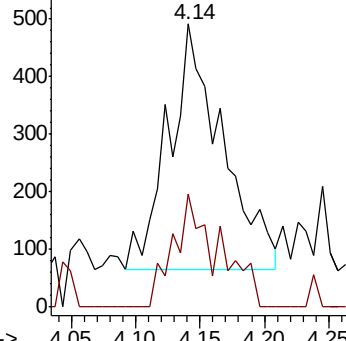
43 100

58 46.2 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011452.D

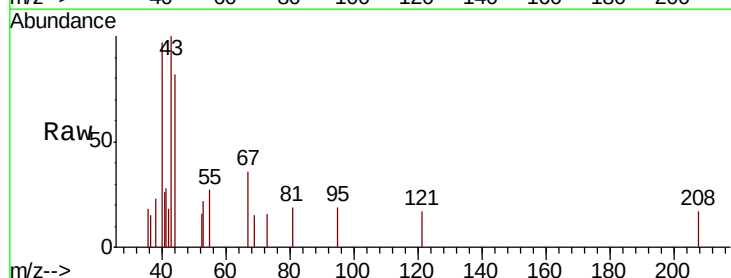
Acq: 24 Jul 2019 00:53

Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

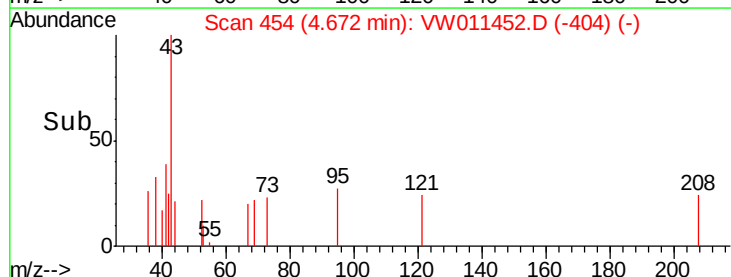
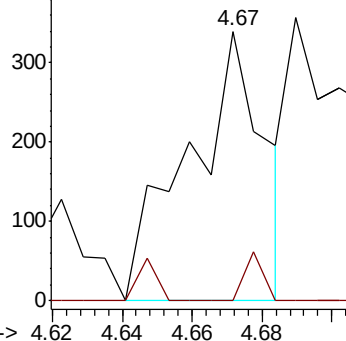
43 100

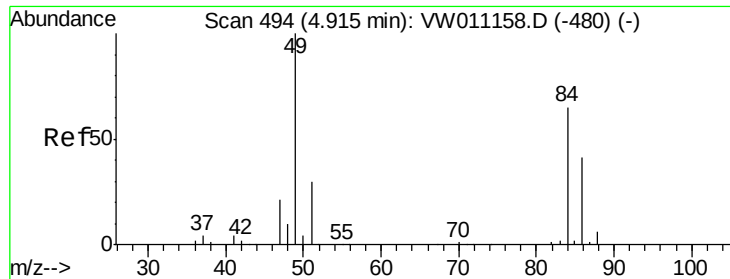
74 4.5 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

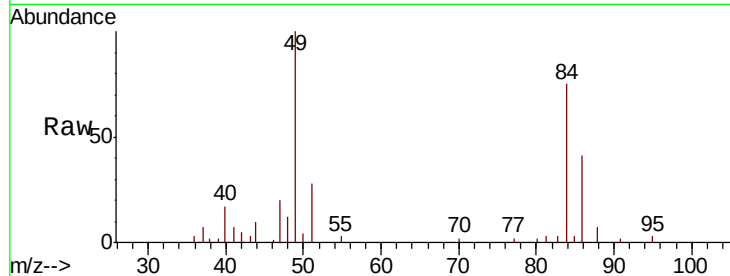




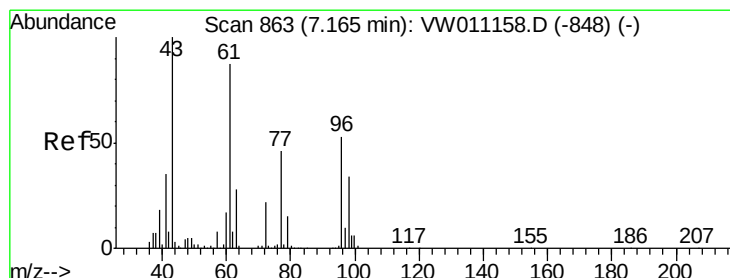
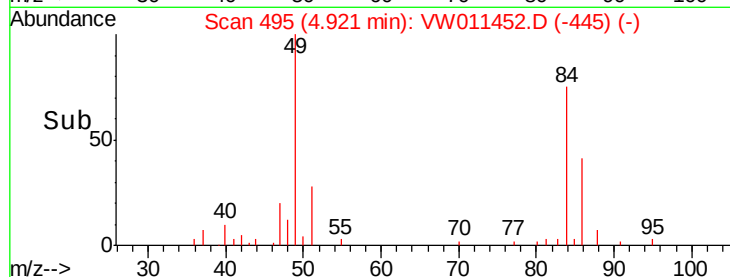
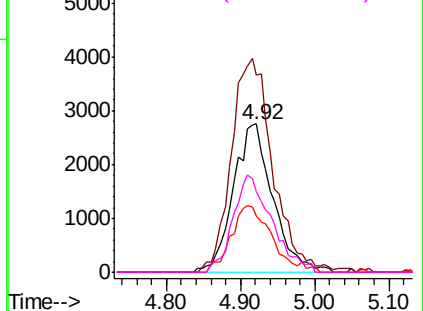
#20
Methylene Chloride
Concen: 3.627 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-2

Tot Ion: 84 Resp: 10199
Ion Ratio Lower Upper
84 100
49 132.6 123.8 185.6
51 37.6 37.4 56.2
86 54.9 51.1 76.7

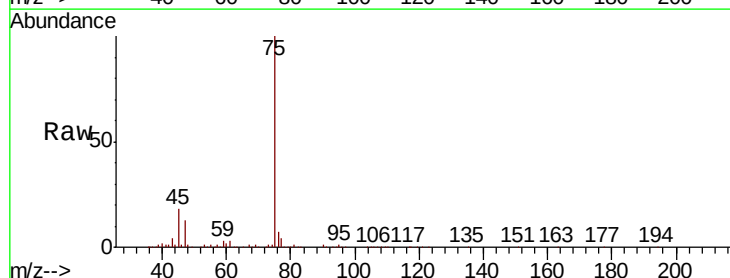


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

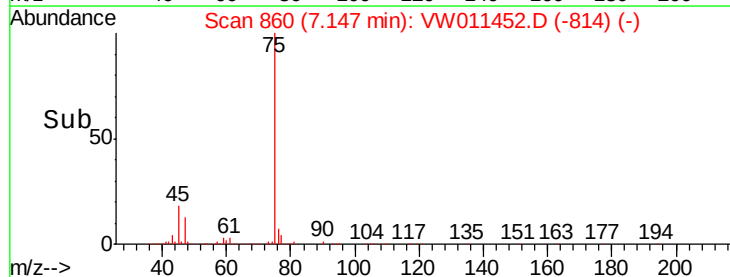
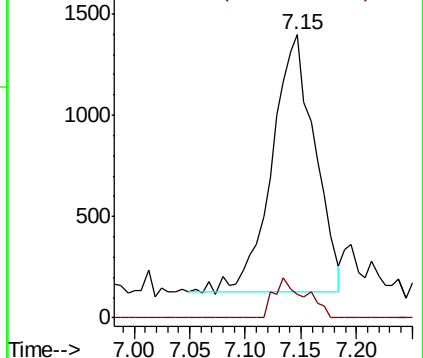


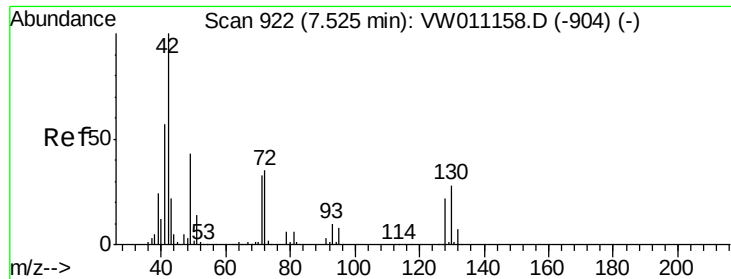
#25
2-Butanone
Concen: 3.063 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Tgt Ion: 43 Resp: 3427
Ion Ratio Lower Upper
43 100
72 9.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

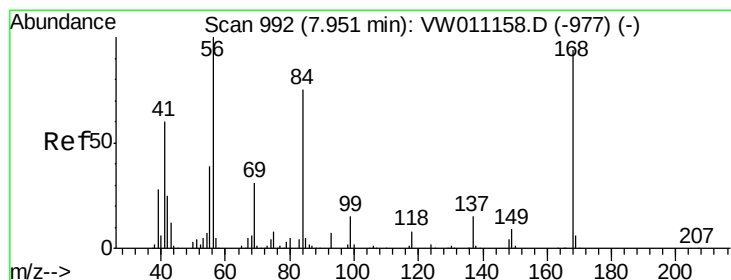
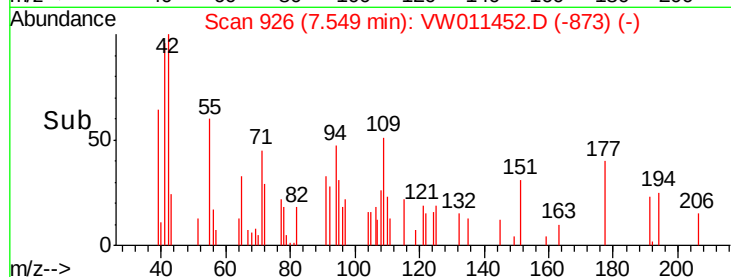
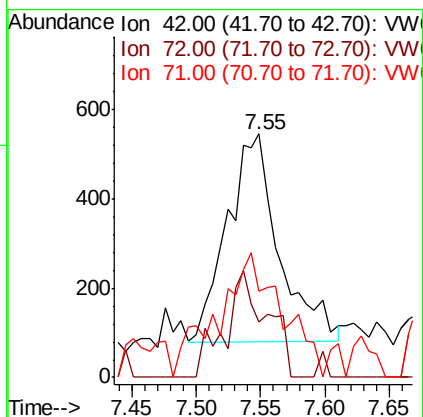
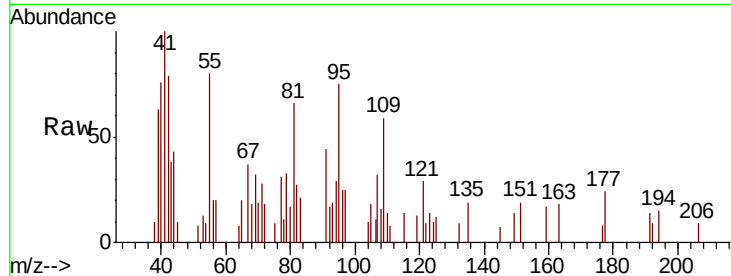




#29
Tetrahydrofuran
Concen: 1.775 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

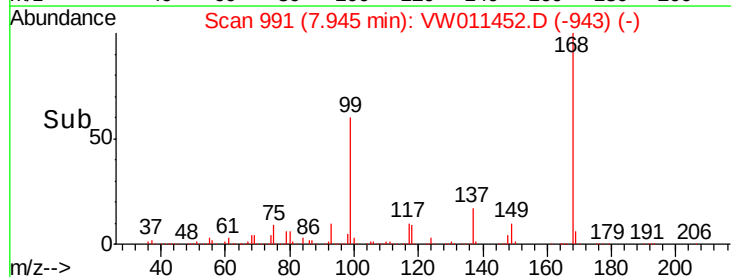
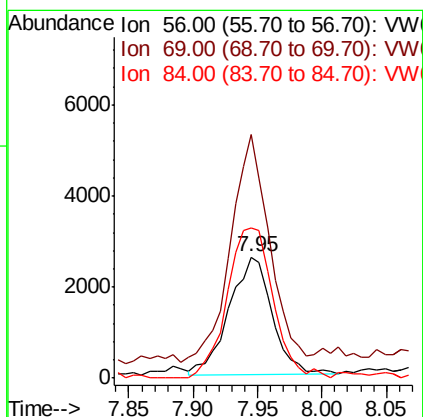
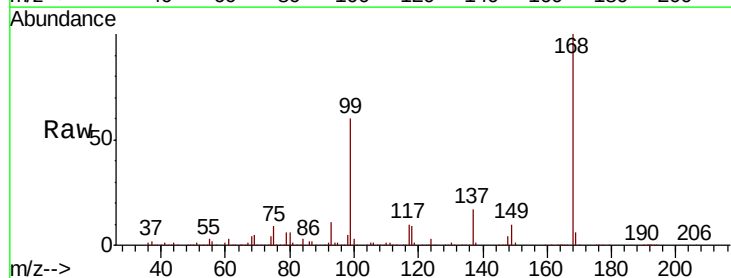
Instrument :
MSVOA_W
ClientSampled :
GIS-BUILDING-2

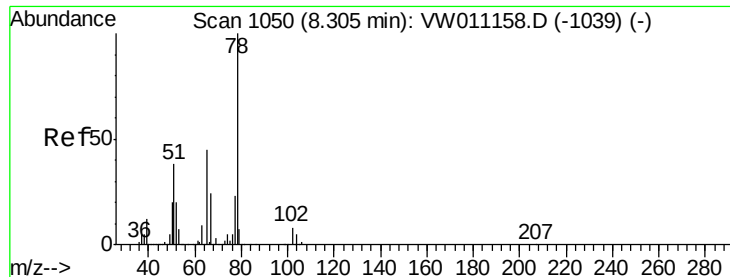
Tot Ion: 42 Resp: 1302
Ion Ratio Lower Upper
42 100
72 41.9 27.4 41.2#
71 63.9 25.9 38.9#



#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Tgt Ion: 56 Resp: 5970
Ion Ratio Lower Upper
56 100
69 191.5 24.6 36.8#
84 129.6 60.1 90.1#

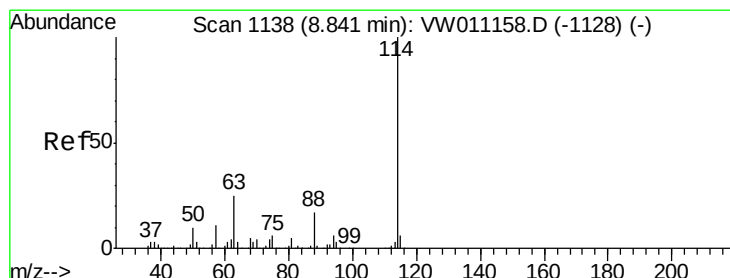
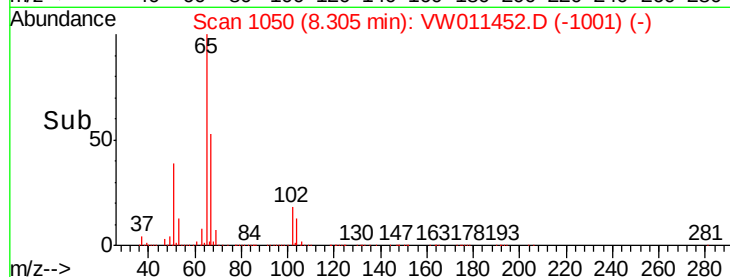
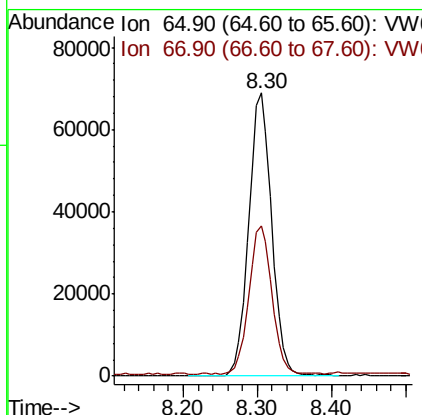
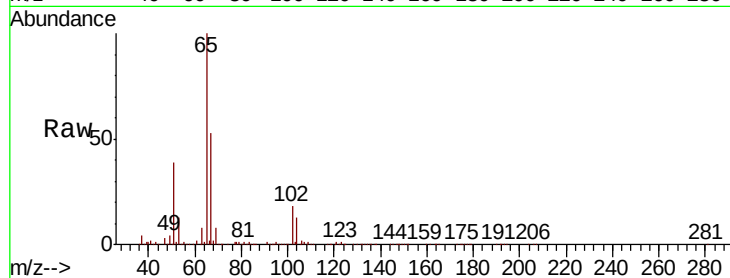




#33
 1,2-Dichloroethane-d4
 Concen: 50.075 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011452.D
 Acq: 24 Jul 2019 00:53

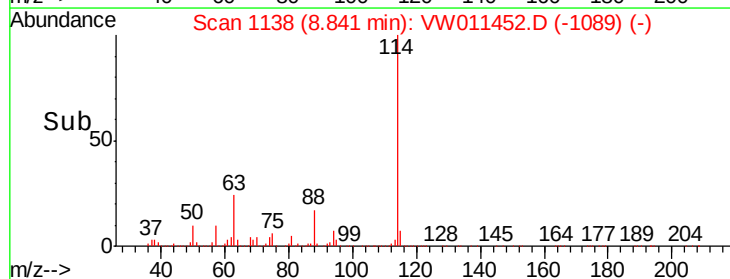
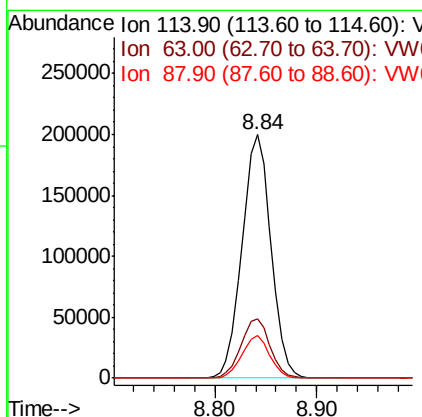
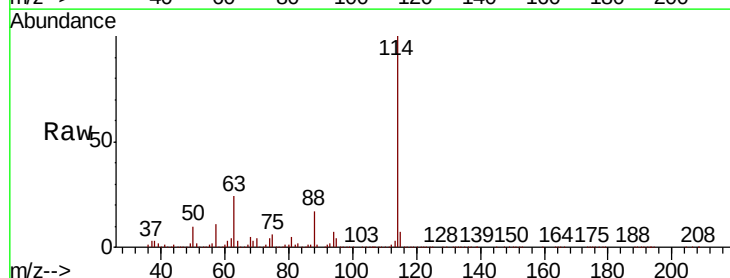
Instrument :
 MSVOA_W
 ClientSampleId :
 GIS-BUILDING-2

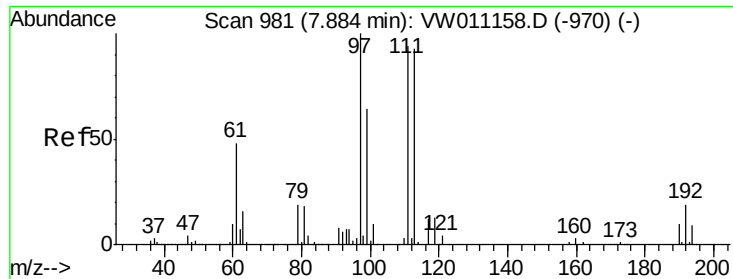
Tot Ion: 65 Resp: 148327
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011452.D
 Acq: 24 Jul 2019 00:53

Tgt Ion: 114 Resp: 393591
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 17.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.325 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-2

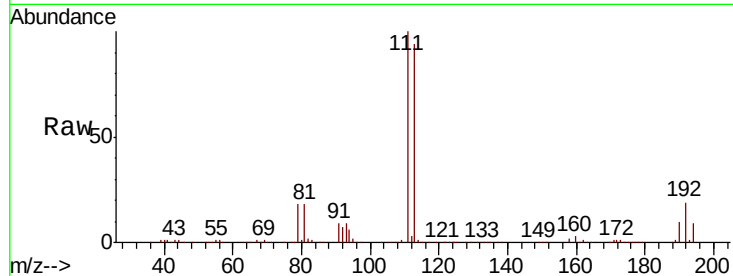
Tot Ion:113 Resp: 115716

Ion Ratio Lower Upper

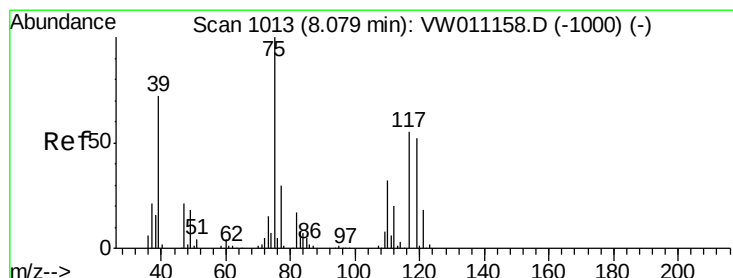
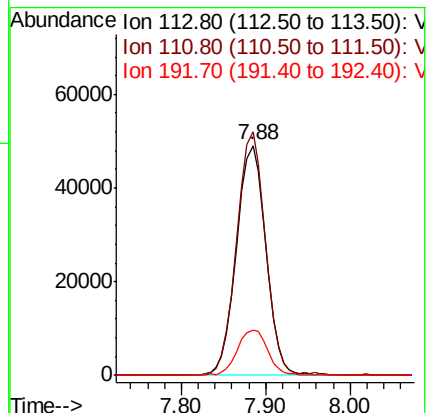
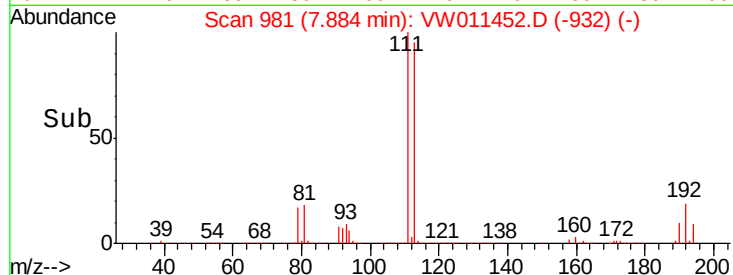
113 100

111 103.2 82.4 123.6

192 20.8 15.8 23.8



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: 4.755 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

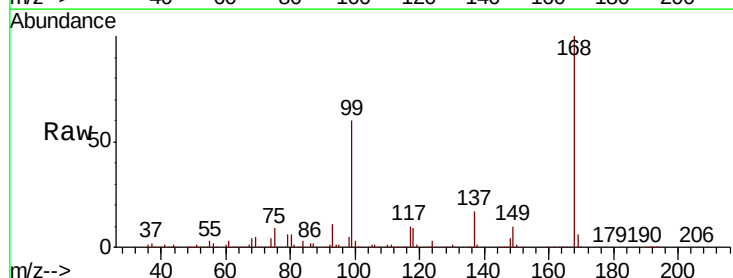
Tgt Ion: 75 Resp: 19929

Ion Ratio Lower Upper

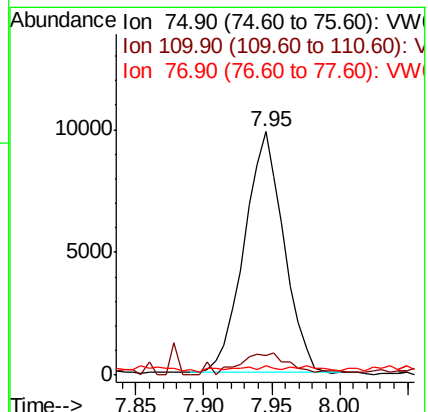
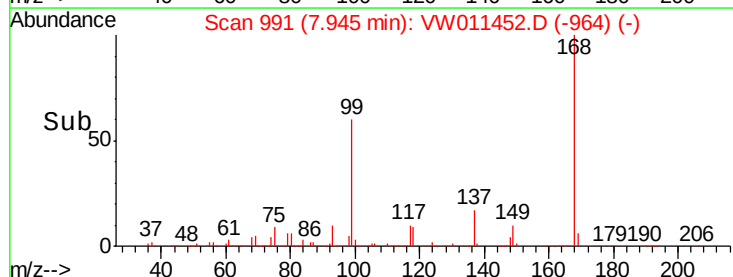
75 100

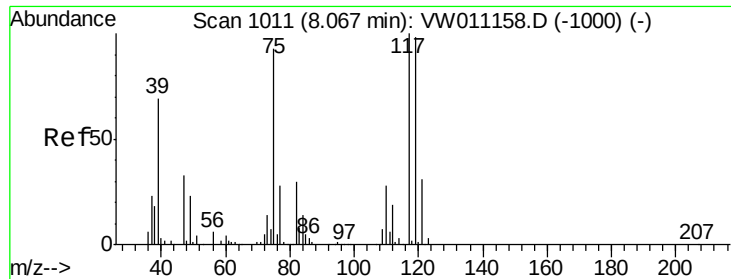
110 11.6 15.9 47.6#

77 0.7 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

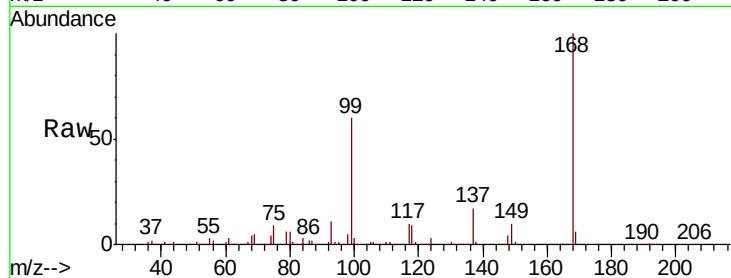




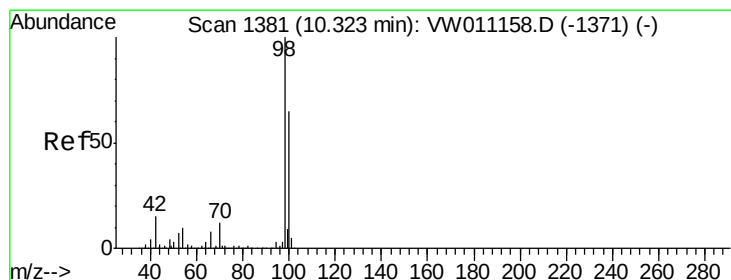
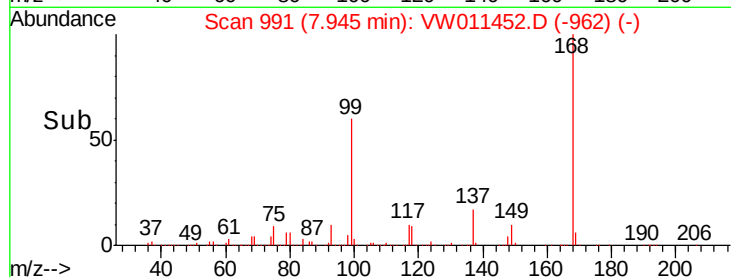
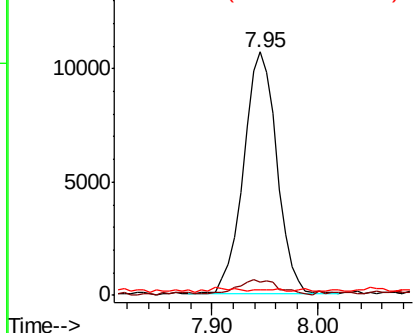
#38
Carbon Tetrachloride
Concen: 6.607 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-2

Tot Ion:117 Resp: 23477
Ion Ratio Lower Upper
117 100
119 4.1 78.1 117.1#
121 0.0 25.1 37.7#

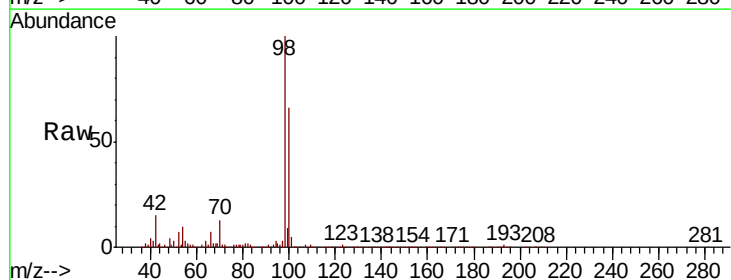


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

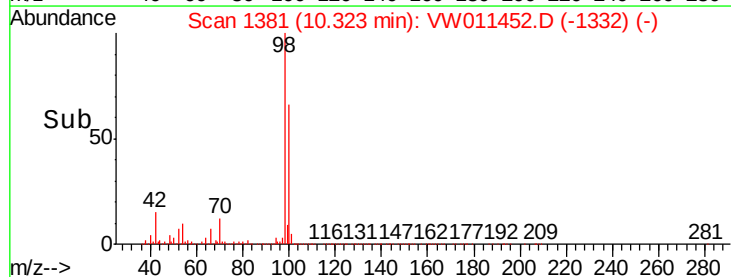
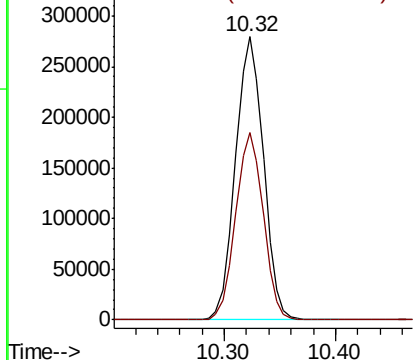


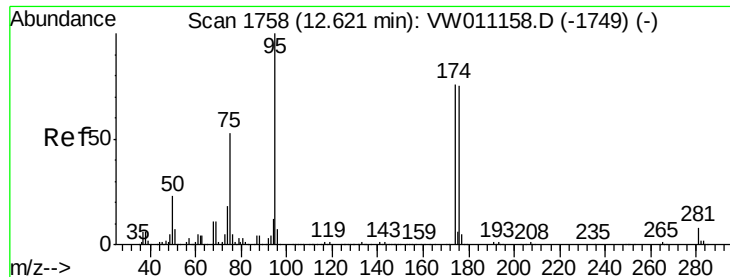
#50
Toluene-d8
Concen: 51.177 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Tgt Ion: 98 Resp: 485297
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



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





#62

4-Bromofluorobenzene

Concen: 52.048 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

Instrument :

MSVOA_W

ClientSampleId :

GIS-BUILDING-2

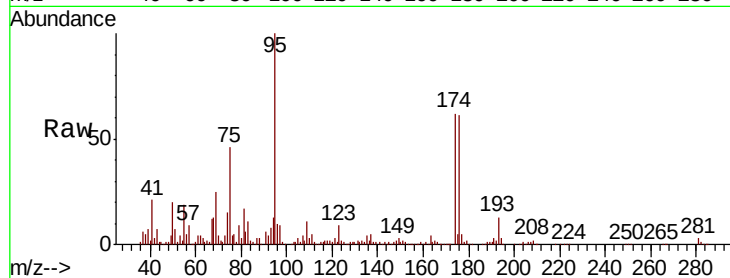
Tot Ion: 95 Resp: 180906

Ion Ratio Lower Upper

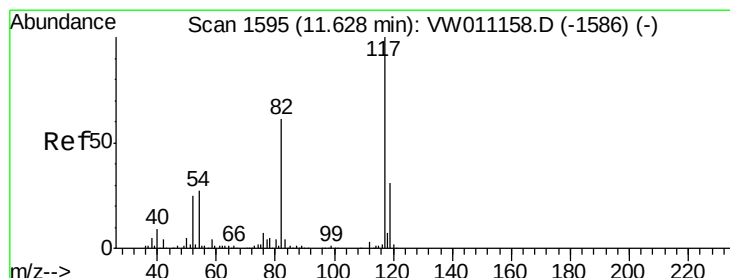
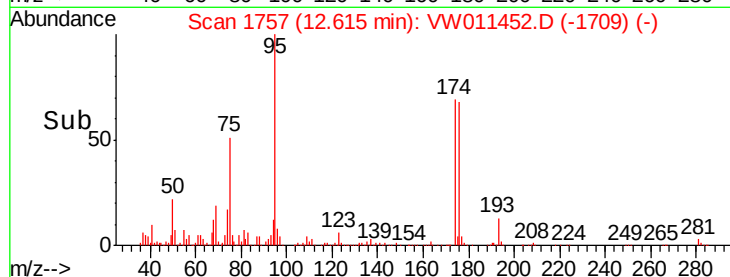
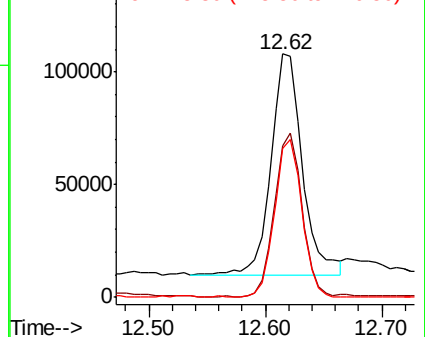
95 100

174 65.8 0.0 147.6

176 62.0 0.0 144.6



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# 1595

Delta R.T. 0.00 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

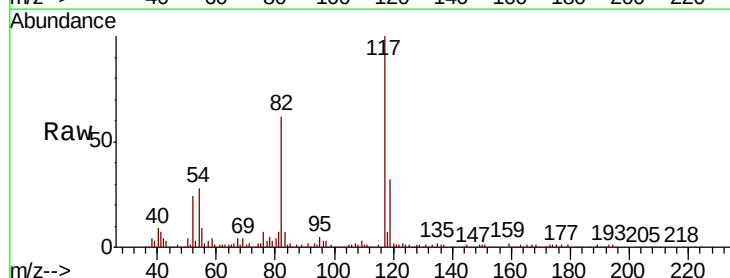
Tgt Ion: 117 Resp: 322012

Ion Ratio Lower Upper

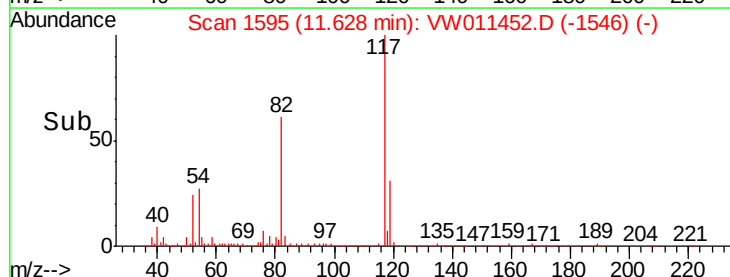
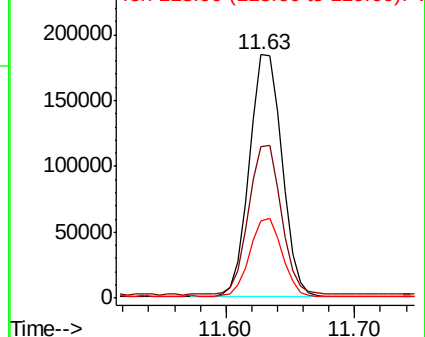
117 100

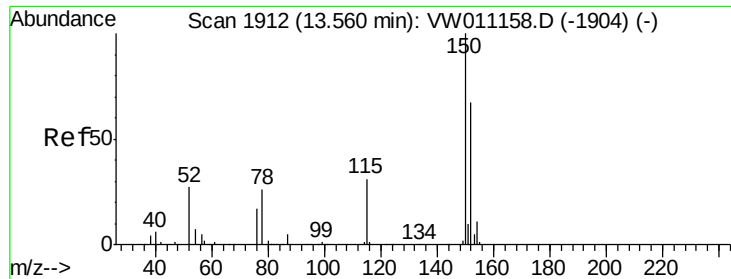
82 61.0 48.9 73.3

119 31.1 25.0 37.6



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



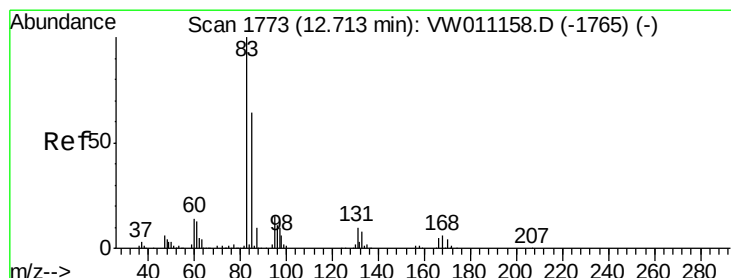
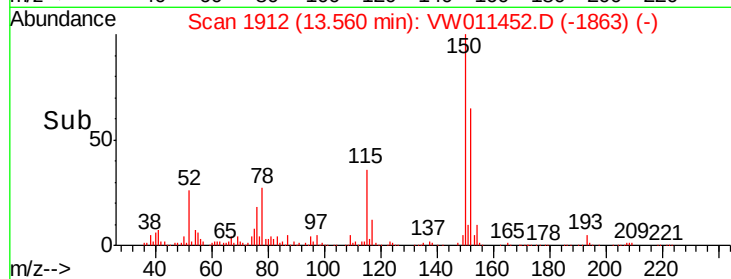
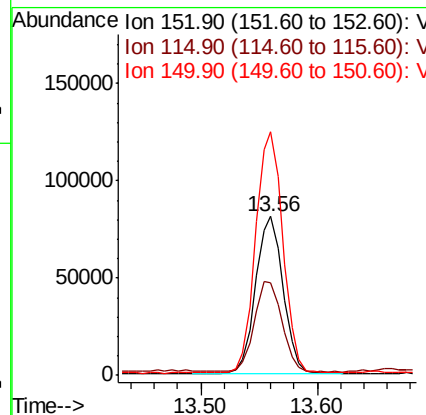
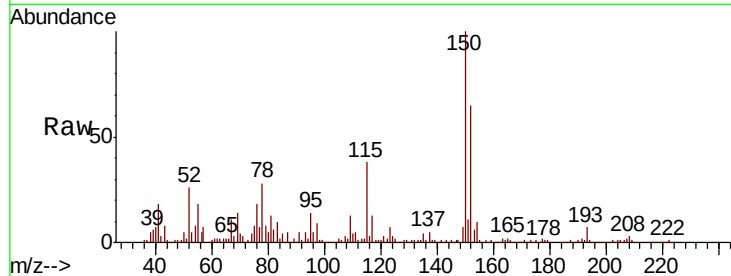


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-2

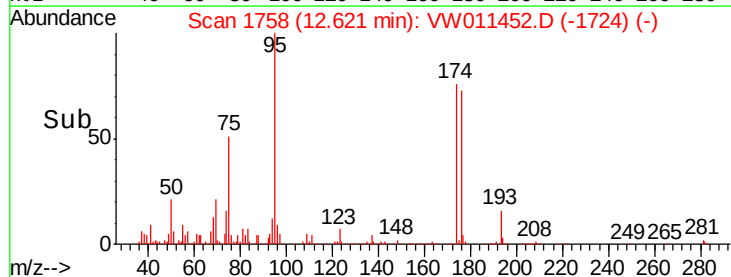
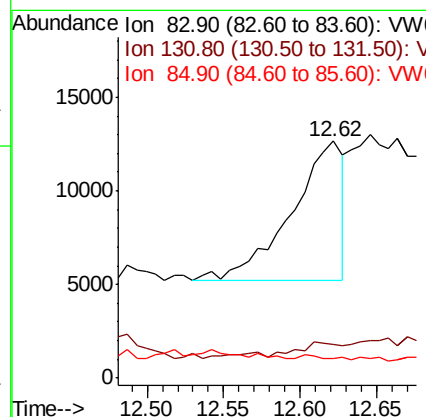
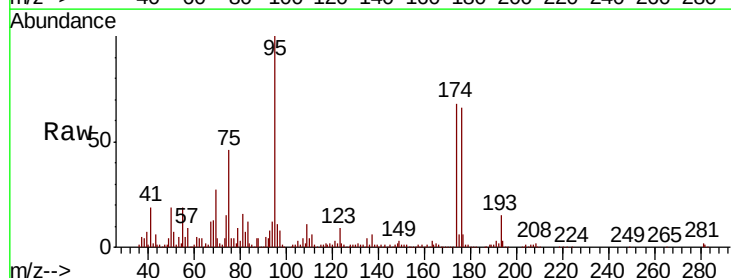
Tot Ion:152 Resp: 135685
Ion Ratio Lower Upper
152 100
115 57.1 30.1 90.3
150 149.1 0.0 346.0

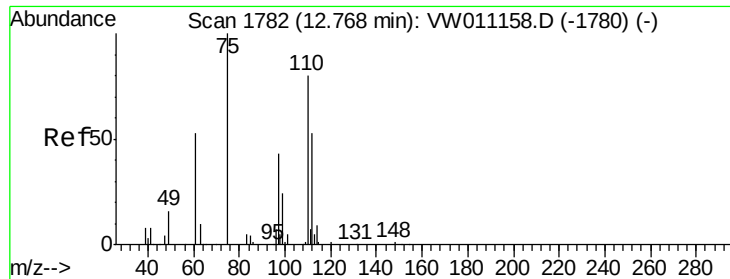


#75

1,1,2,2-Tetrachloroethane
Concen: 8.358 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.09 min
Lab File: VW011452.D
Acq: 24 Jul 2019 00:53

Tgt Ion: 83 Resp: 17378
Ion Ratio Lower Upper
83 100
131 8.8 5.0 15.0
85 2.3 31.6 94.8#





#76

1,2,3-Trichloropropane

Concen: 52.022 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

Instrument :

MSVOA_W

ClientSampled :

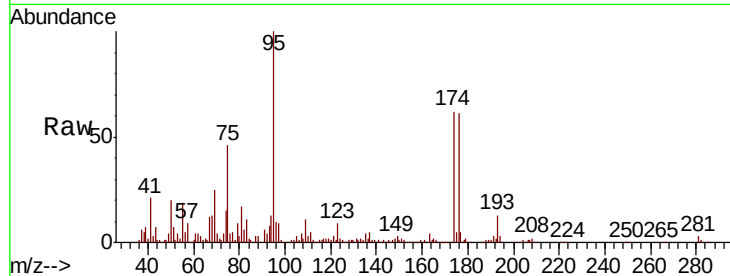
GIS-BUILDING-2

Tot Ion: 75 Resp: 81571

Ion Ratio Lower Upper

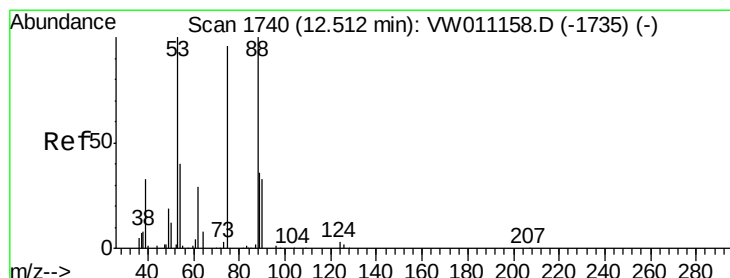
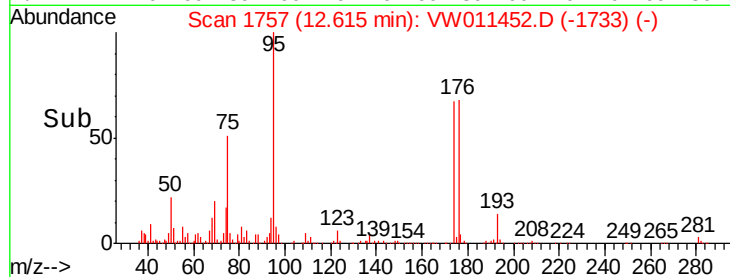
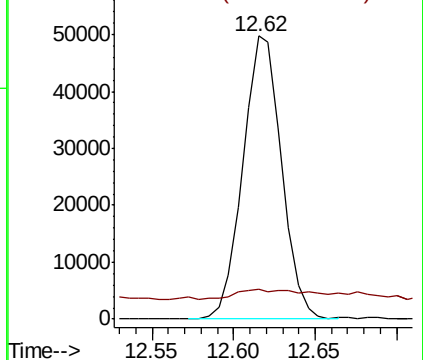
75 100

77 3.0 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: 117.664 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011452.D

Acq: 24 Jul 2019 00:53

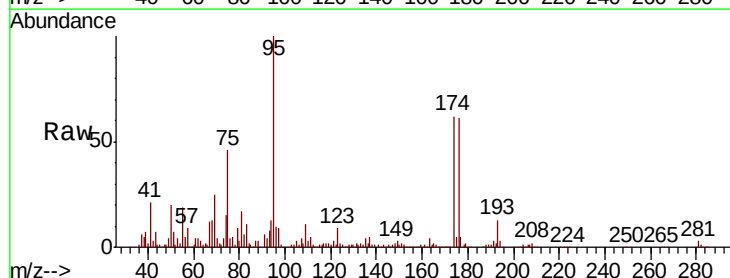
Tgt Ion: 75 Resp: 81571

Ion Ratio Lower Upper

75 100

53 5.8 89.8 134.6#

89 0.4 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

