

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011451.D
 Acq On : 24 Jul 2019 00:26
 Operator : SY/VA
 Sample : K3916-01
 Misc : 5.96G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GIS-BUILDING-1RE

Quant Time: Jul 24 06:41:07 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	244741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	51873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	156204	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.88	113	124219	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.32	98	447268	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
62) 4-Bromofluorobenzene	12.62	95	87384	24.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.54%	

Target Compounds

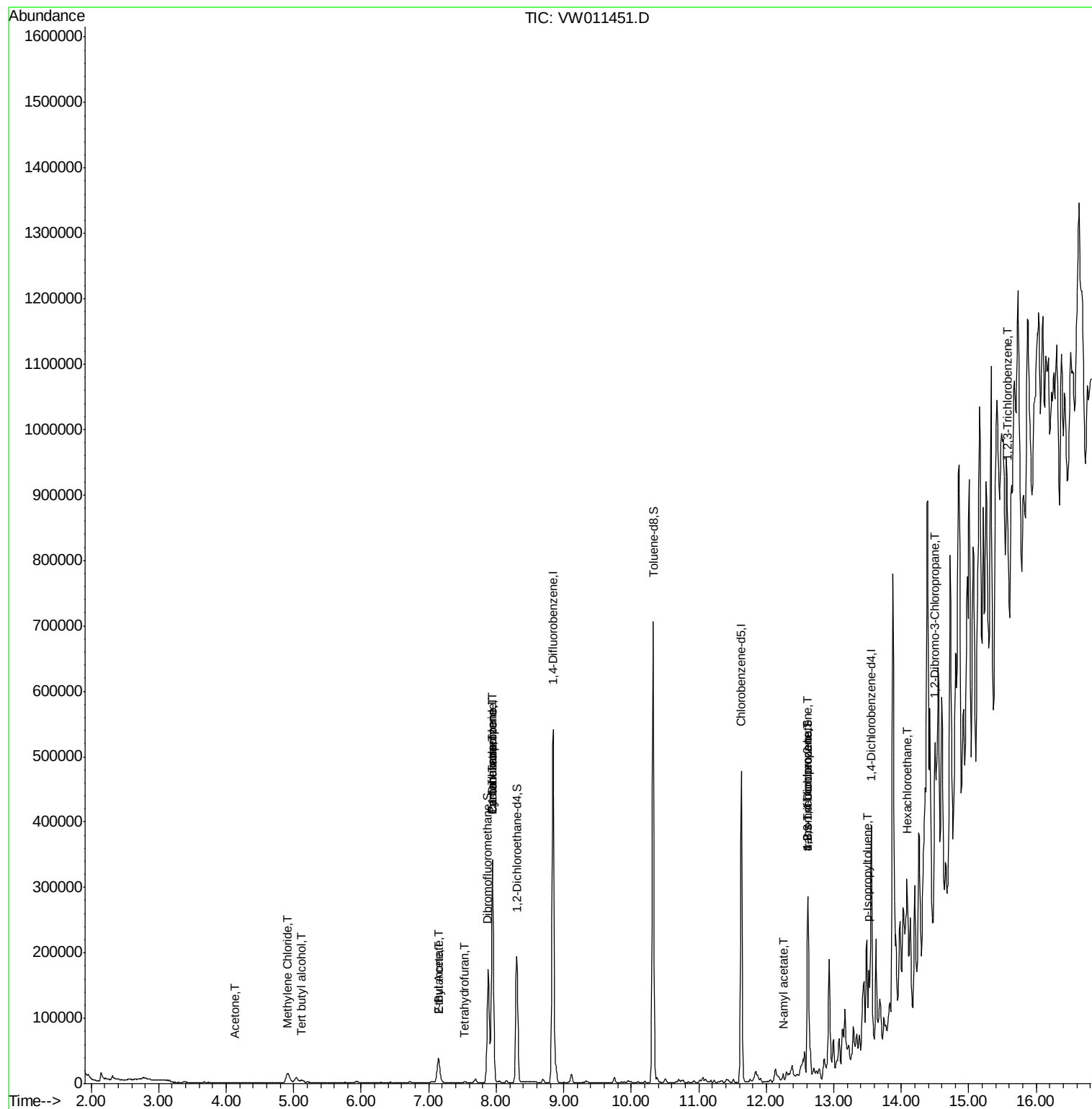
						Qvalue
11) Tert butyl alcohol	5.12	59	4517	19.839	ug/l #	70
16) Acetone	4.14	43	1053	1.423	ug/l #	21
18) Methyl Acetate	4.66	43	215	Below Cal	#	57
20) Methylene Chloride	4.92	84	11660	3.994	ug/l	88
25) 2-Butanone	7.15	43	2724	2.345	ug/l #	76
29) Tetrahydrofuran	7.54	42	1648	2.164	ug/l #	92
31) Cyclohexane	7.95	56	6712	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21271	4.900	ug/l #	52
37) Ethyl Acetate	7.15	43	2724	1.044	ug/l #	1
38) Carbon Tetrachloride	7.95	117	24686	6.708	ug/l #	15
74) N-amyl acetate	12.25	43	2519	1.865	ug/l #	76
76) 1,2,3-Trichloropropane	12.62	75	47226	78.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	47226	178.188	ug/l #	6
86) p-Isopropyltoluene	13.50	119	4220	1.187	ug/l	93
90) Hexachloroethane	14.09	117	662	1.019	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.51	75	376	2.667	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.58	180	13492	14.612	ug/l #	12

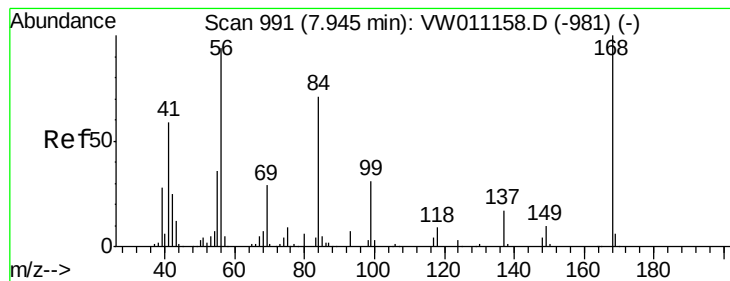
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072419\
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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: VW011451.D

Acq: 24 Jul 2019 00:26

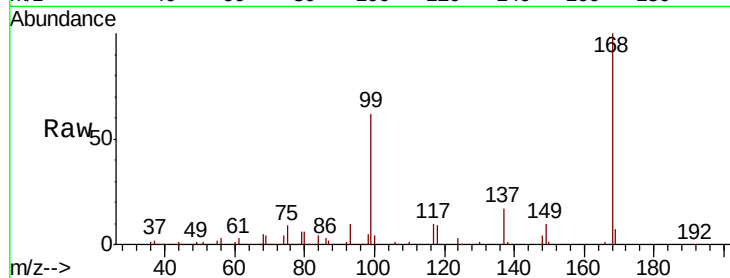
Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-1RE

Tot Ion:168 Resp: 244741

Ion Ratio Lower Upper

168 100

99 62.2 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

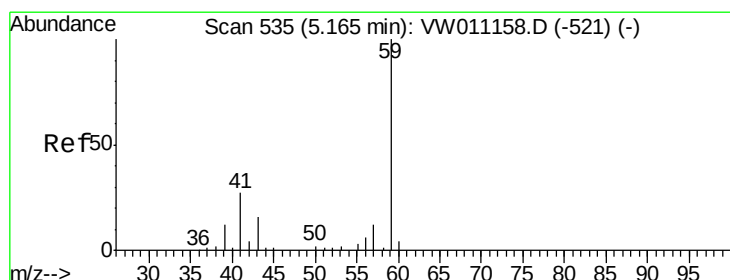
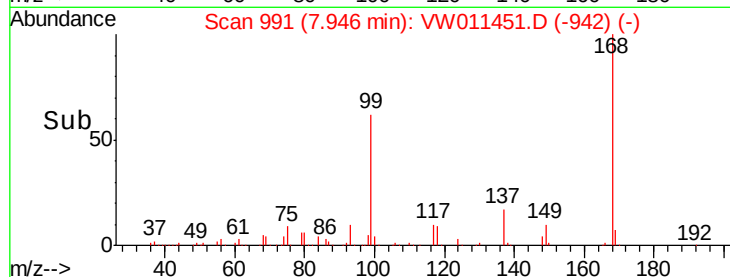
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 19.839 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011451.D

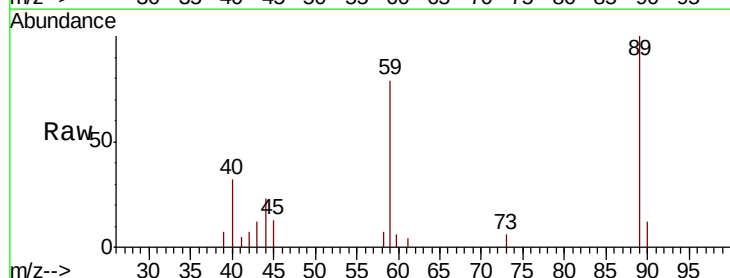
Acq: 24 Jul 2019 00:26

Tgt Ion: 59 Resp: 4517

Ion Ratio Lower Upper

59 100

57 0.0 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

1200

1000

800

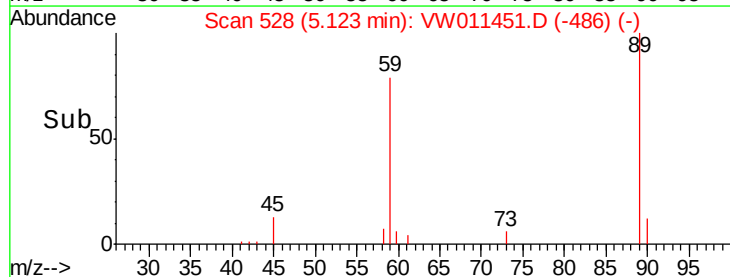
600

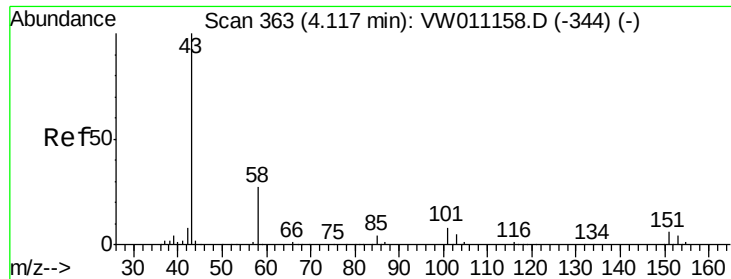
400

200

0

Time-->

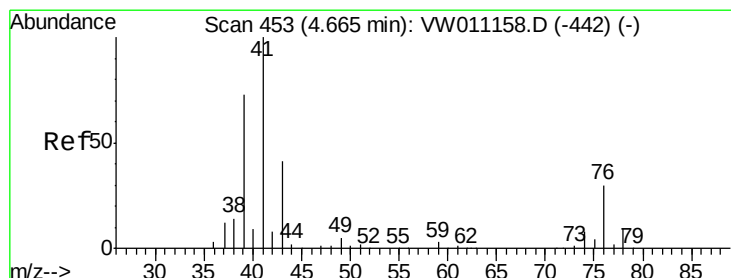
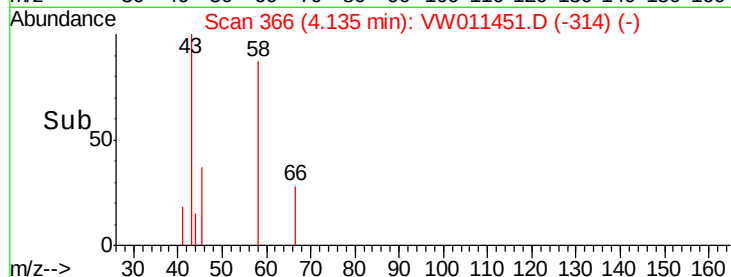
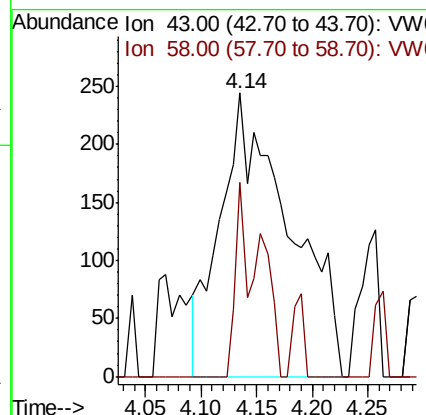
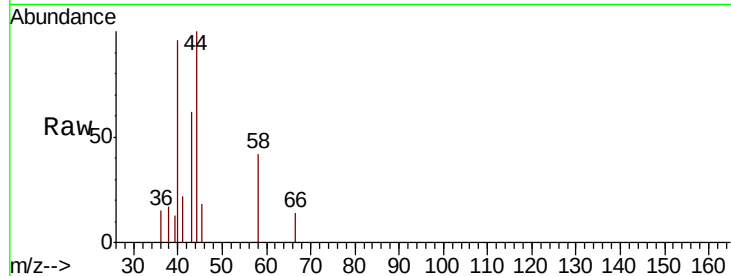




#16
Acetone
Concen: 1.423 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

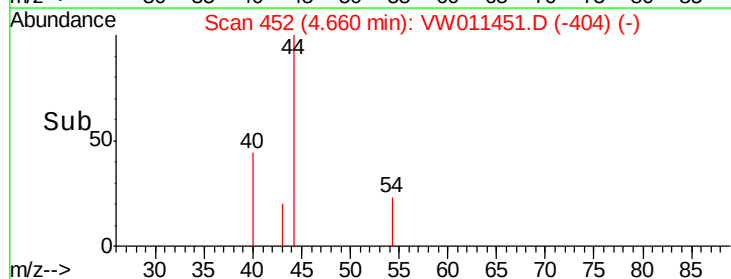
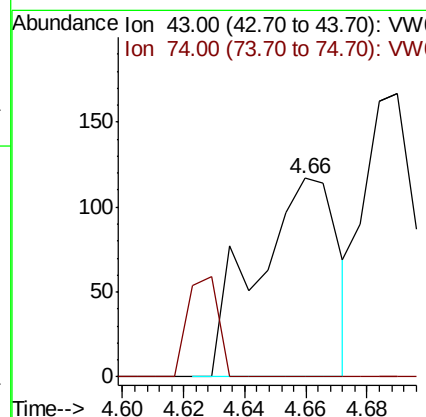
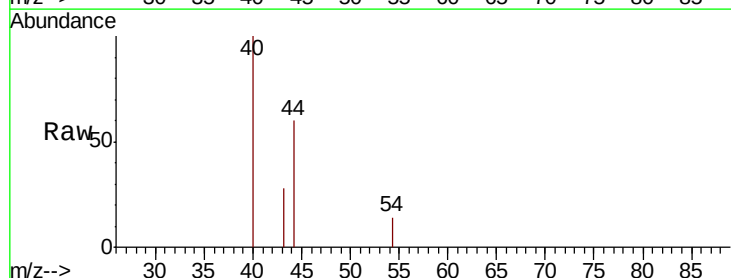
Instrument :
MSVOA_W
ClientSampleId :
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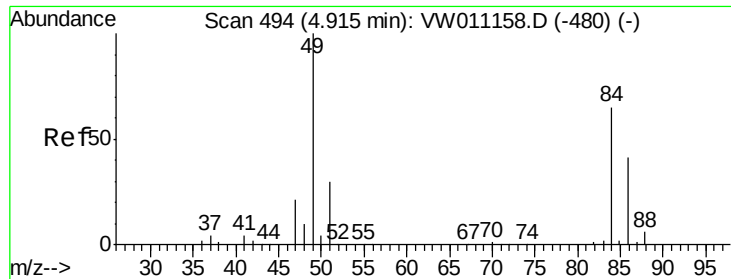
Tot Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
58 68.4 21.8 32.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#

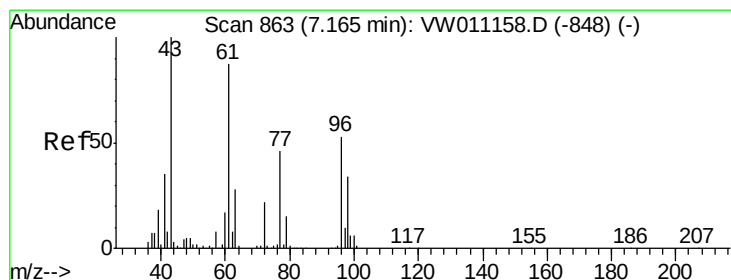
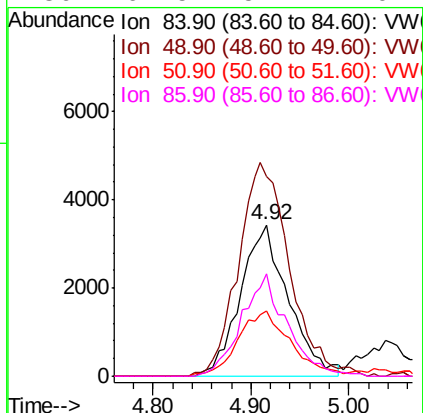
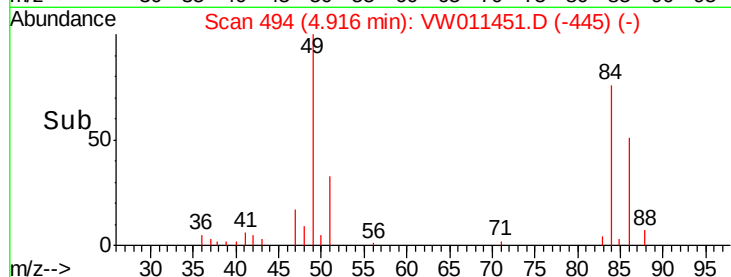
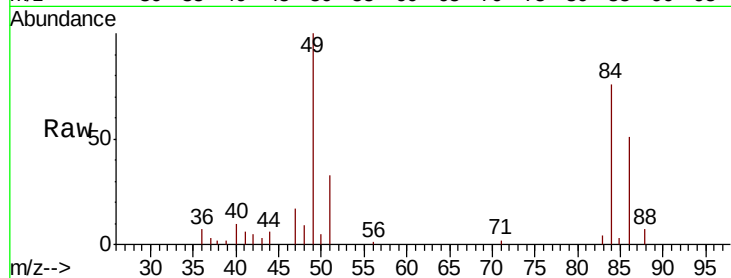




#20
Methylene Chloride
Concen: 3.994 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

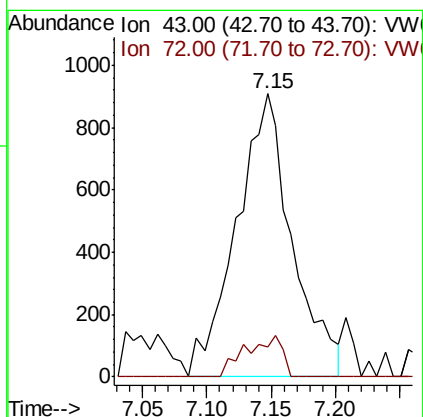
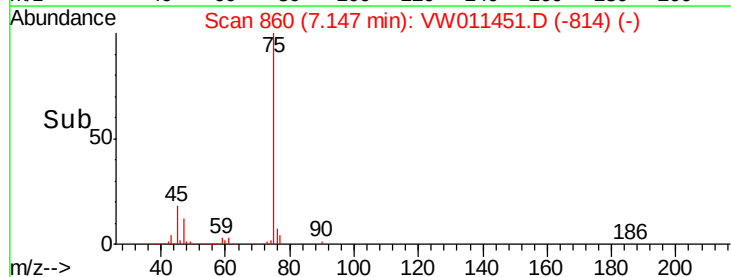
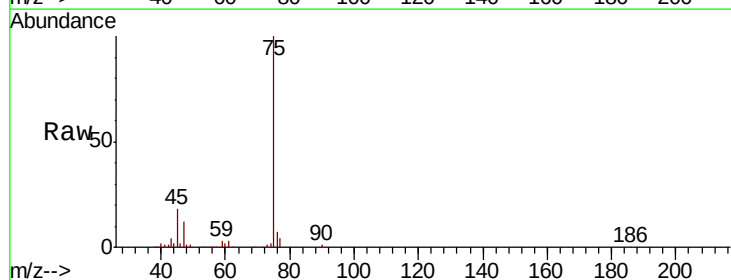
Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-1RE

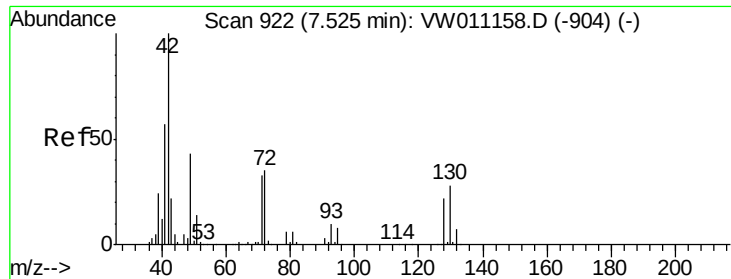
Tot Ion: 84 Resp: 11660
Ion Ratio Lower Upper
84 100
49 132.2 123.8 185.6
51 43.4 37.4 56.2
86 67.5 51.1 76.7



#25
2-Butanone
Concen: 2.345 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

Tgt Ion: 43 Resp: 2724
Ion Ratio Lower Upper
43 100
72 10.8 17.6 26.4#

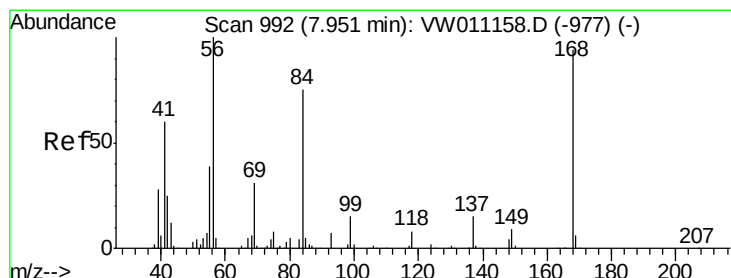
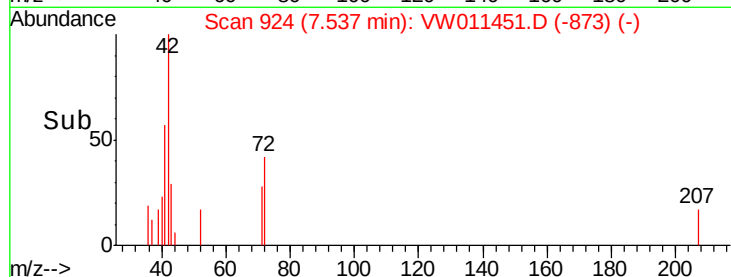
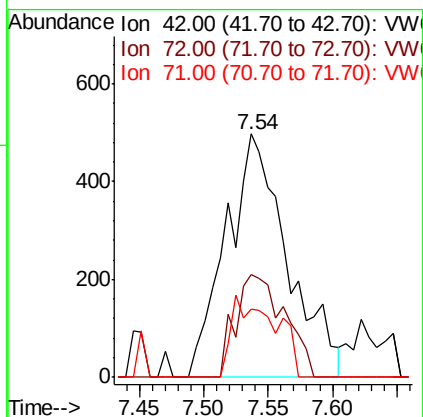
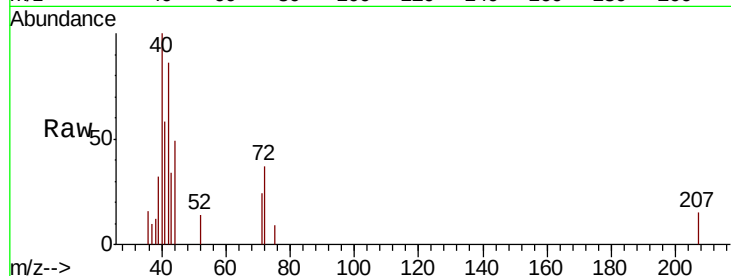




#29
Tetrahydrofuran
Concen: 2.164 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

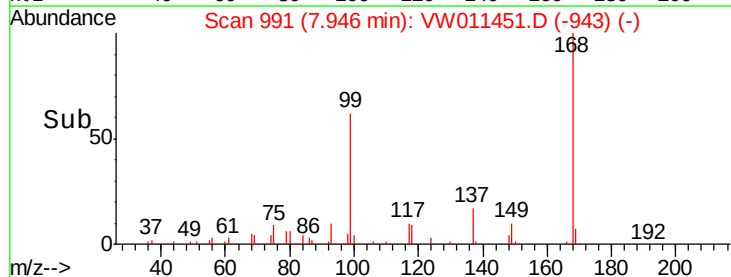
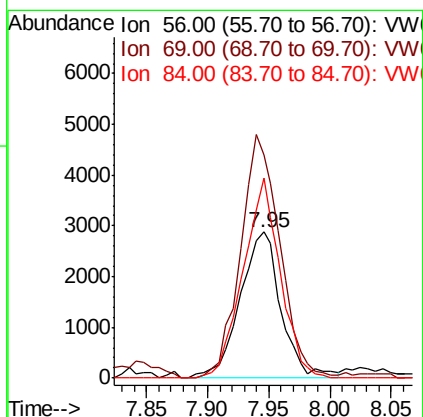
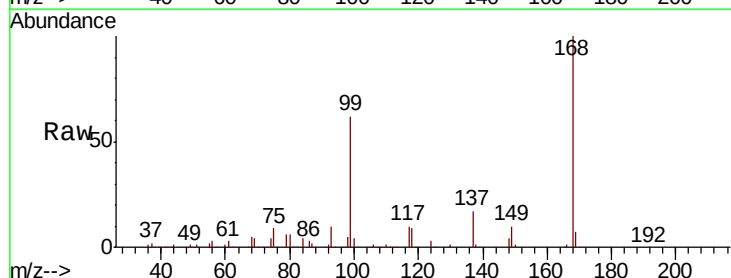
Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-1RE

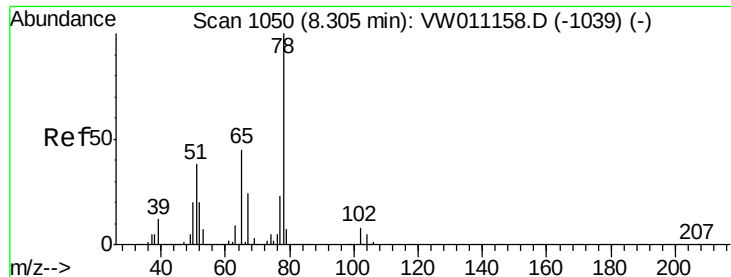
Tot Ion: 42 Resp: 1648
Ion Ratio Lower Upper
42 100
72 33.8 27.4 41.2
71 24.0 25.9 38.9#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

Tgt Ion: 56 Resp: 6712
Ion Ratio Lower Upper
56 100
69 153.2 24.6 36.8#
84 137.3 60.1 90.1#

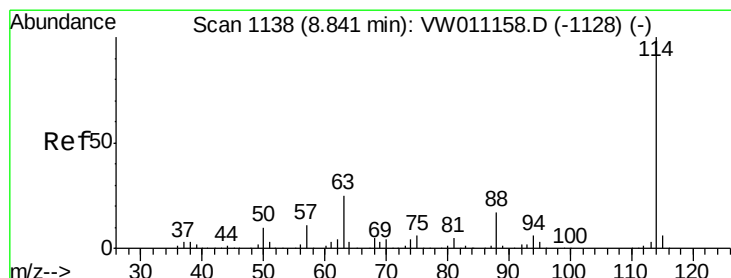
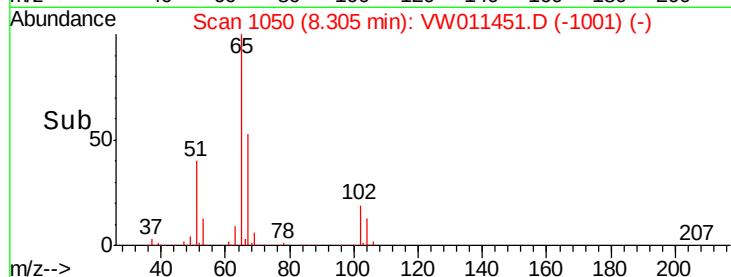
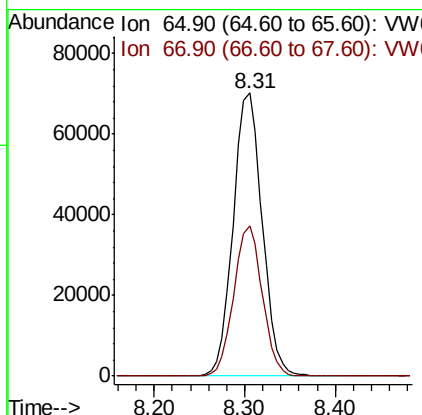
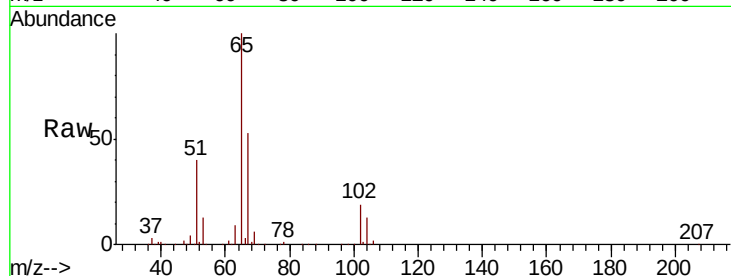




#33
 1,2-Dichloroethane-d4
 Concen: 50.794 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011451.D
 Acq: 24 Jul 2019 00:26

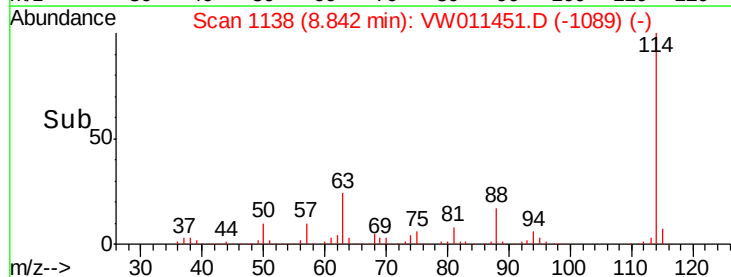
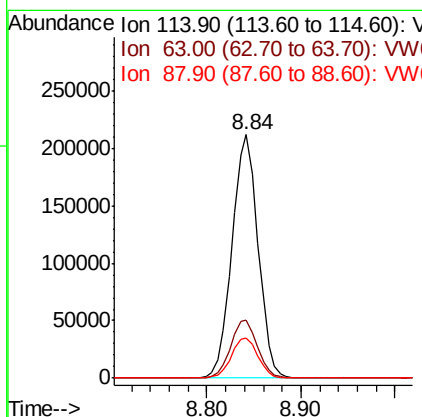
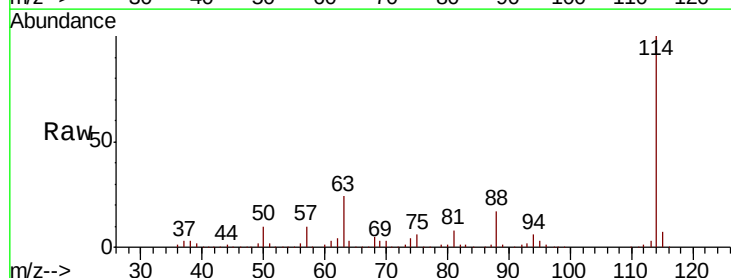
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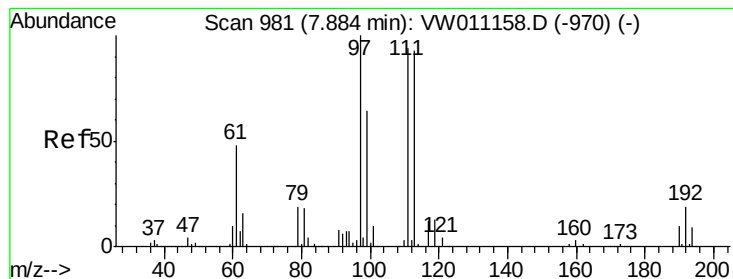
Tot Ion: 65 Resp: 156204
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011451.D
 Acq: 24 Jul 2019 00:26

Tgt Ion: 114 Resp: 407666
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.8
 88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.122 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

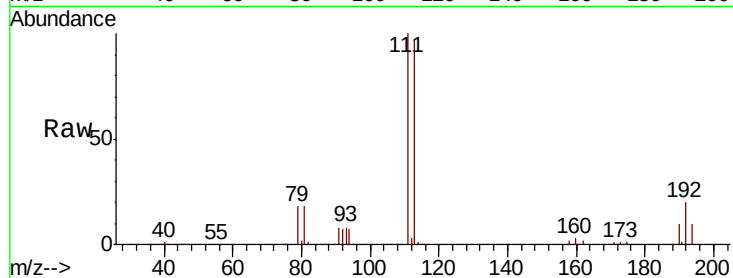
Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-1RE

Tot Ion:113 Resp: 124219

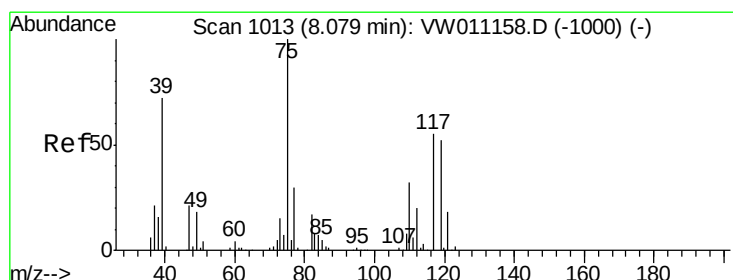
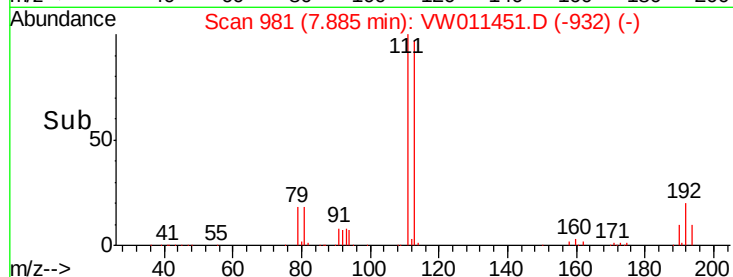
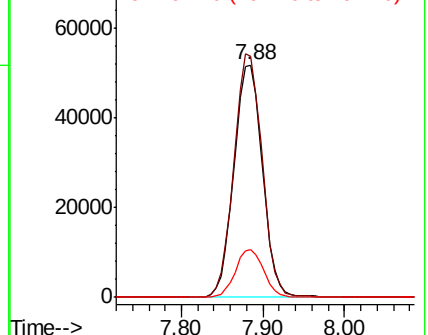
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	20.2	15.8	23.8



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: 4.900 ug/l

RT: 7.95 min Scan# 991

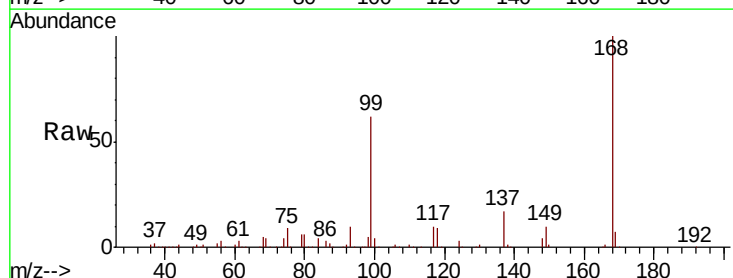
Delta R.T. -0.13 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

Tgt Ion: 75 Resp: 21271

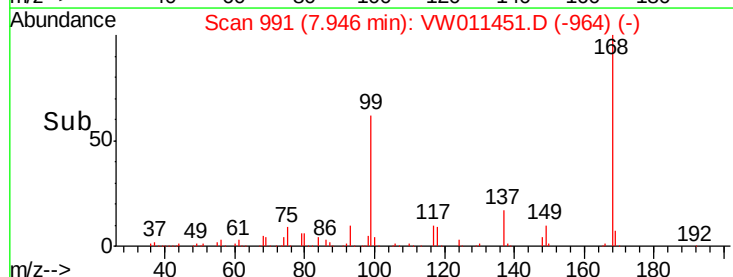
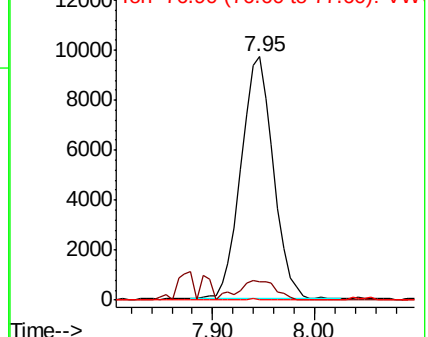
Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.9	47.6#
77	0.1	24.6	36.8#

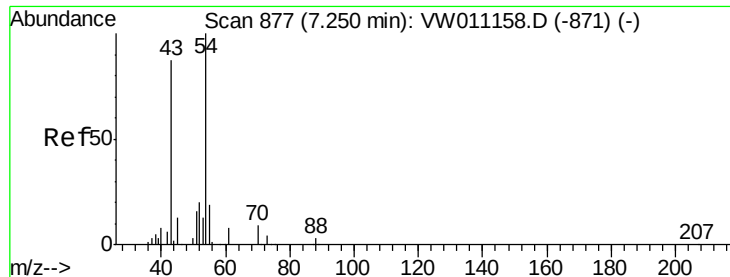


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.044 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

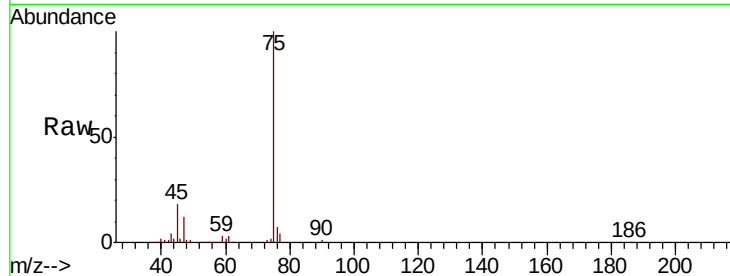
Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

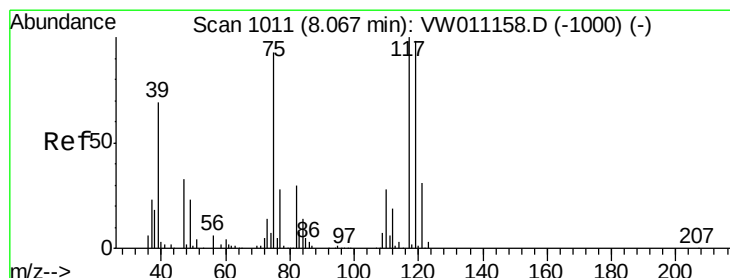
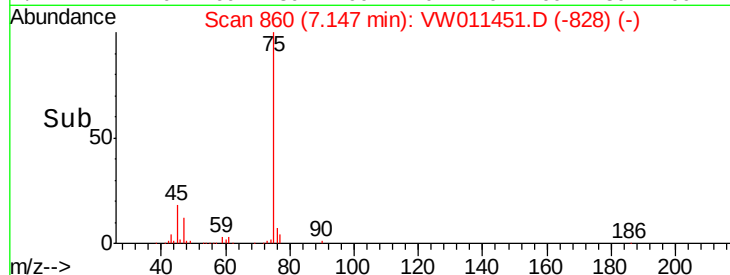
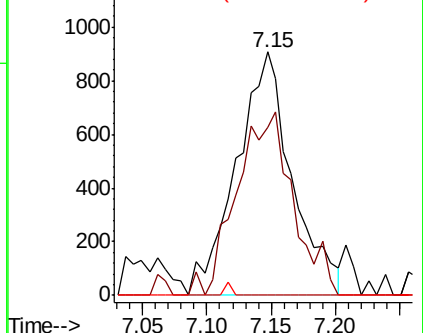
Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-1RE

Tot Ion: 43 Resp: 2724

Ion	Ratio	Lower	Upper
43	100		
61	76.8	9.5	14.3#
70	0.0	7.1	10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 7.95 min Scan# 991

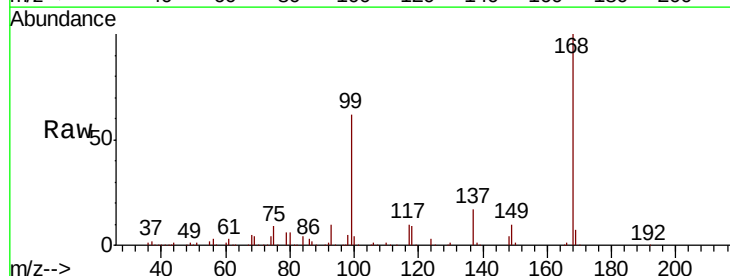
Delta R.T. -0.12 min

Lab File: VW011451.D

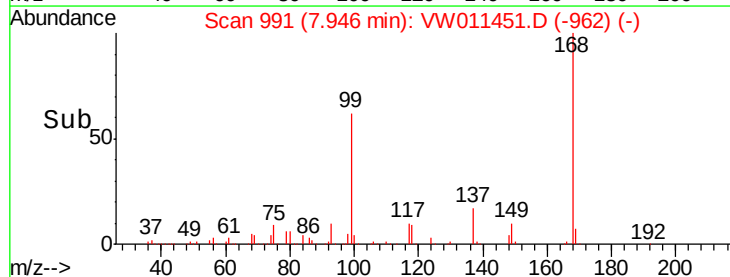
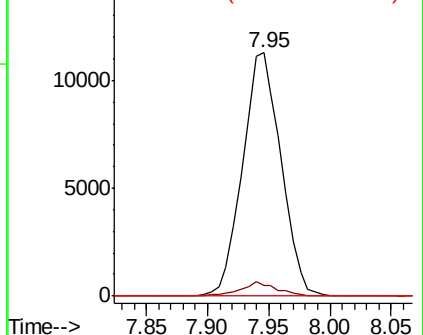
Acq: 24 Jul 2019 00:26

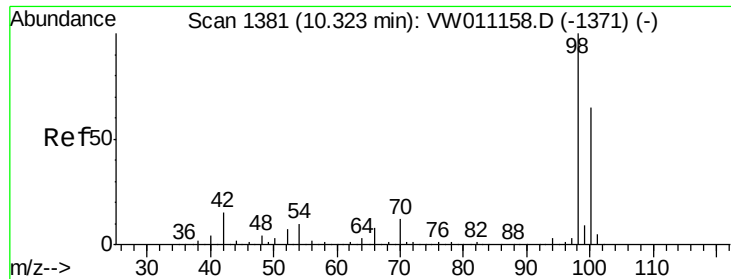
Tgt Ion: 117 Resp: 24686

Ion	Ratio	Lower	Upper
117	100		
119	4.4	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: 45.538 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

Instrument :

MSVOA_W

ClientSampleId :

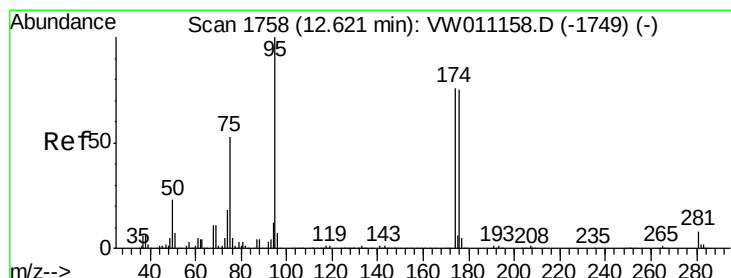
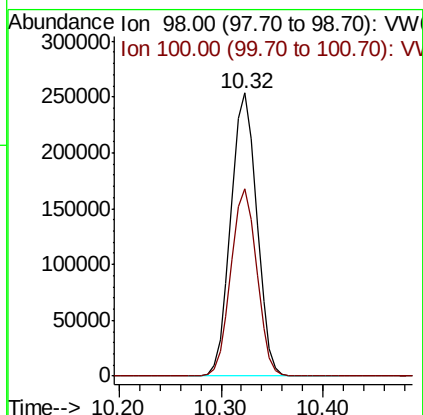
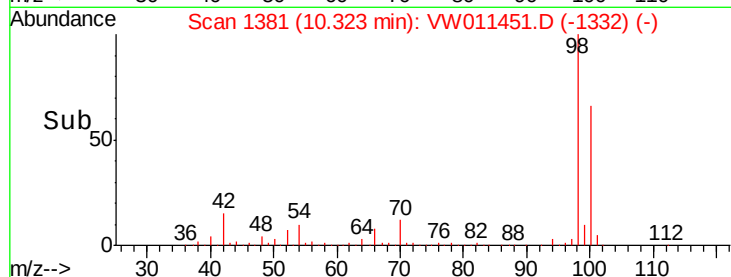
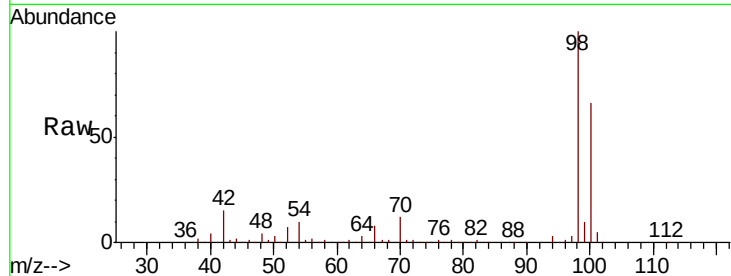
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Tot Ion: 98 Resp: 447268

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 24.273 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

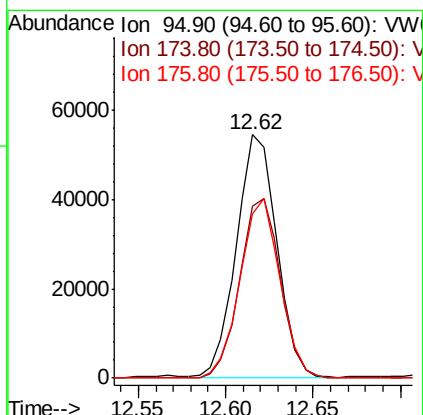
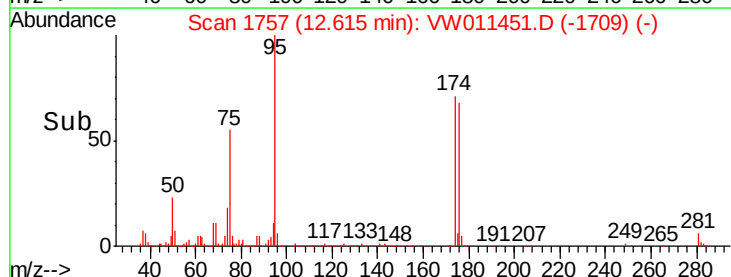
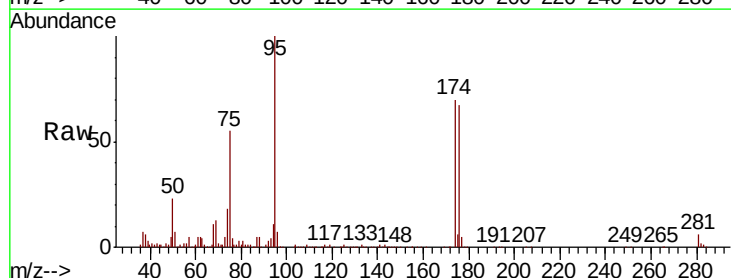
Tgt Ion: 95 Resp: 87384

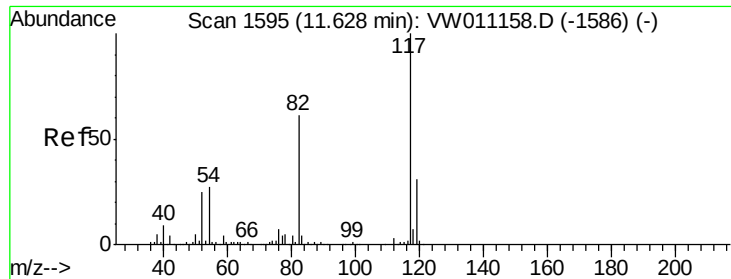
Ion Ratio Lower Upper

95 100

174 74.7 0.0 147.6

176 73.5 0.0 144.6

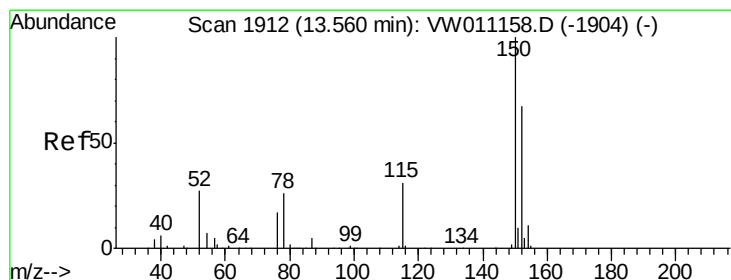
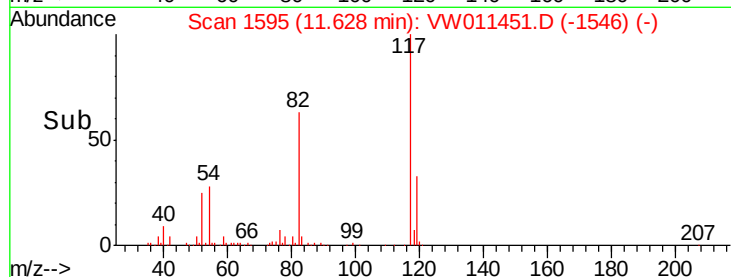
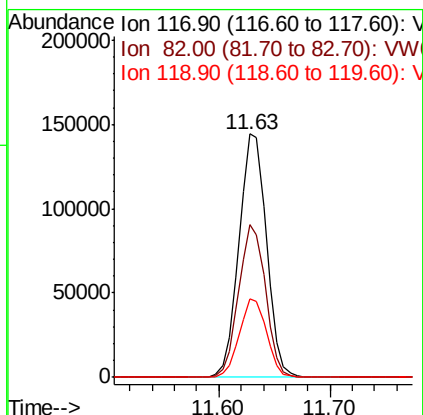
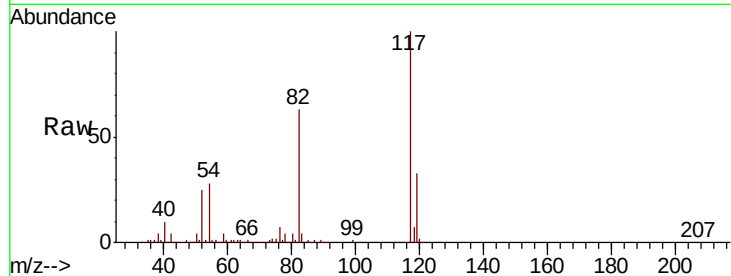




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

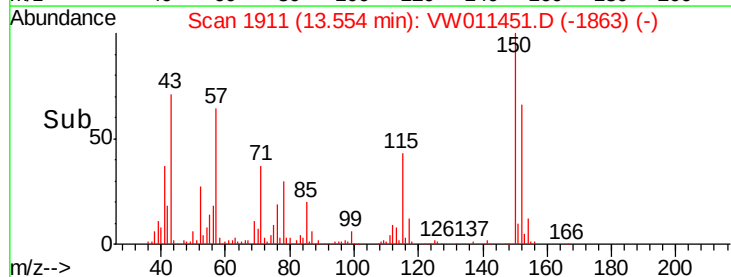
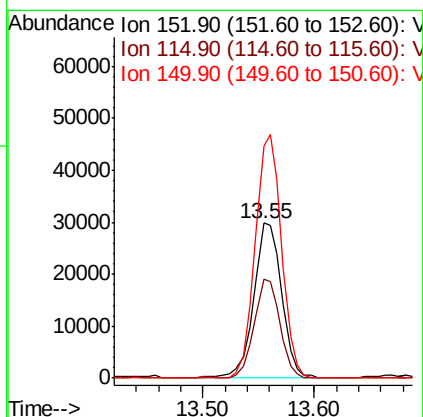
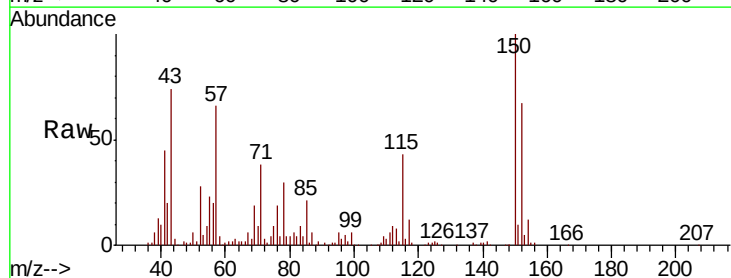
Instrument :
MSVOA_W
ClientSampleId :
GIS-BUILDING-1RE

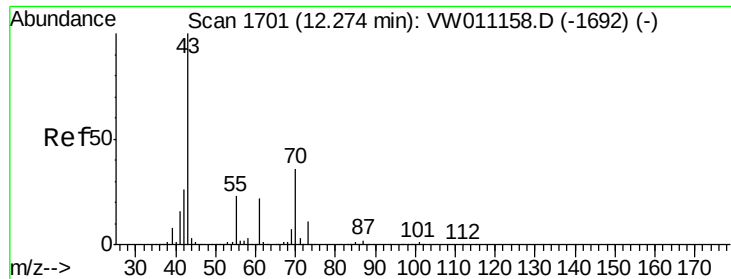
Tot Ion:117 Resp: 246930
Ion Ratio Lower Upper
117 100
82 62.5 48.9 73.3
119 32.5 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW011451.D
Acq: 24 Jul 2019 00:26

Tgt Ion:152 Resp: 51873
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.3
150 148.5 0.0 346.0





#74

N-amvl acetate

Concen: 1.865 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

Instrument :

MSVOA_W

ClientSampleId :

GIS-BUILDING-1RE

Tot Ion: 43 Resp: 2519

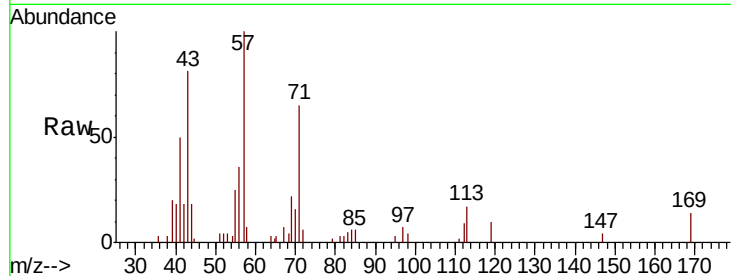
Ion Ratio Lower Upper

43 100

70 23.6 28.5 42.7#

55 18.6 18.1 27.1

61 0.0 17.2 25.8#

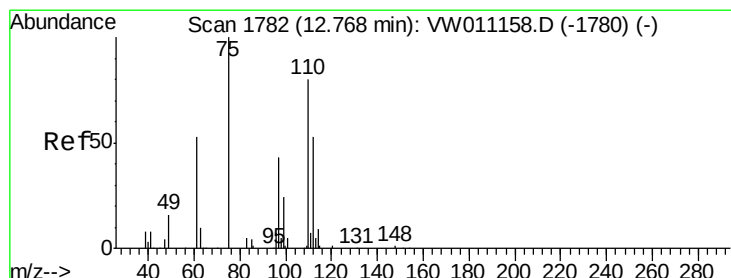
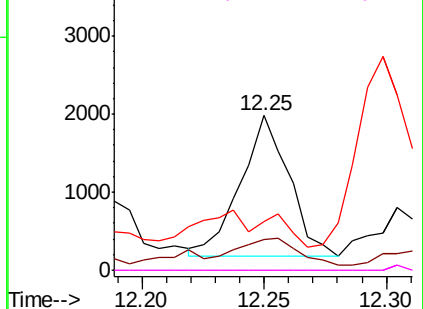
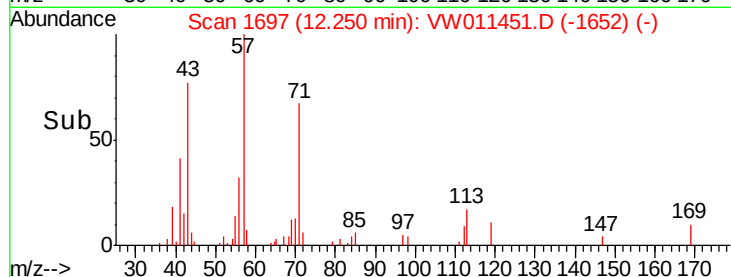


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 78.781 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011451.D

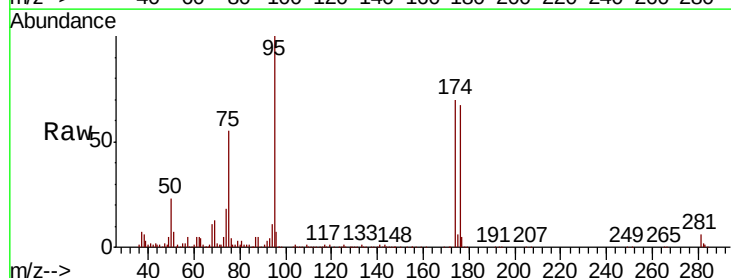
Acq: 24 Jul 2019 00:26

Tgt Ion: 75 Resp: 47226

Ion Ratio Lower Upper

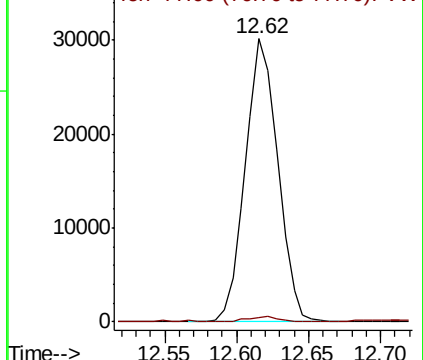
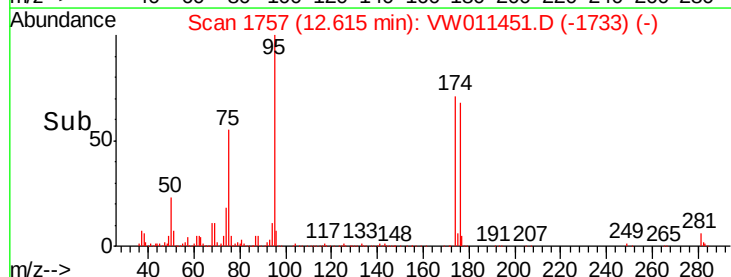
75 100

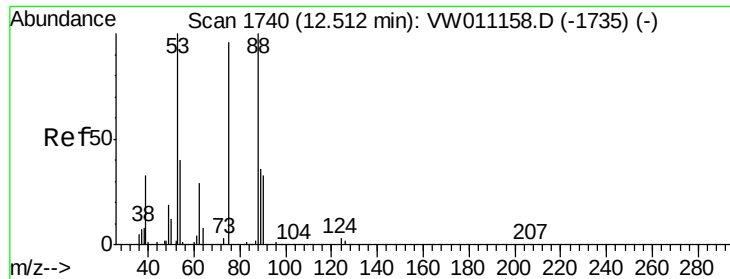
77 2.1 0.0 0.0#



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: 178.188 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

Instrument :

MSVOA_W

ClientSampleId :

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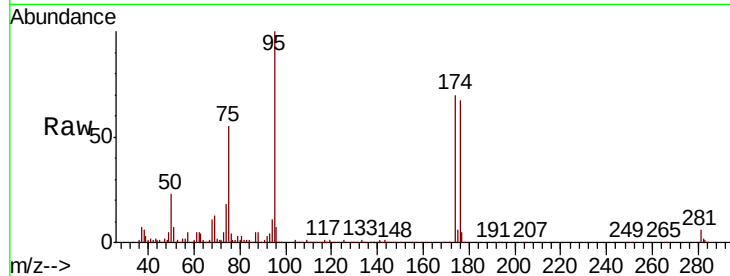
Tot Ion: 75 Resp: 47226

Ion Ratio Lower Upper

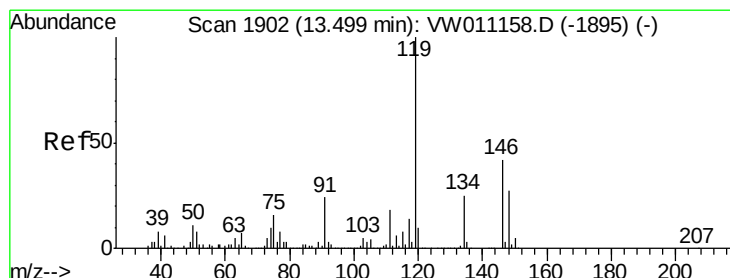
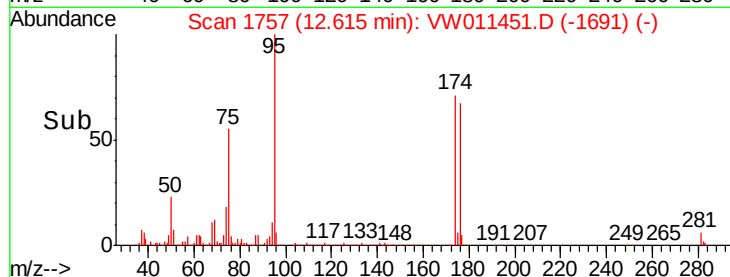
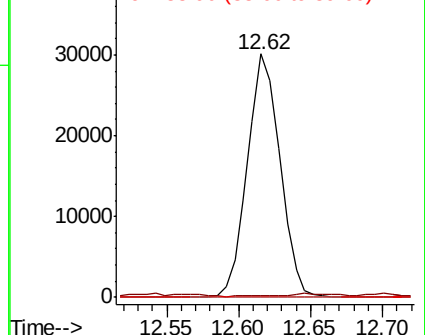
75 100

53 0.5 89.8 134.6#

89 0.2 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



#86

p-Isopropyltoluene

Concen: 1.187 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

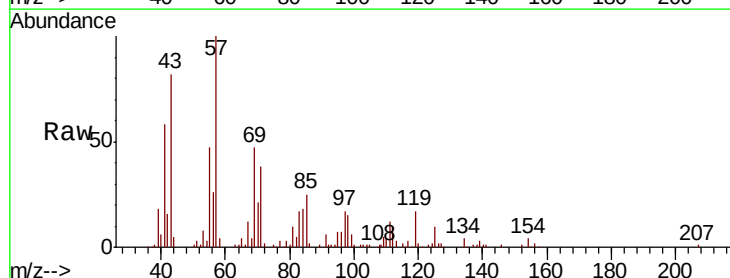
Tgt Ion: 119 Resp: 4220

Ion Ratio Lower Upper

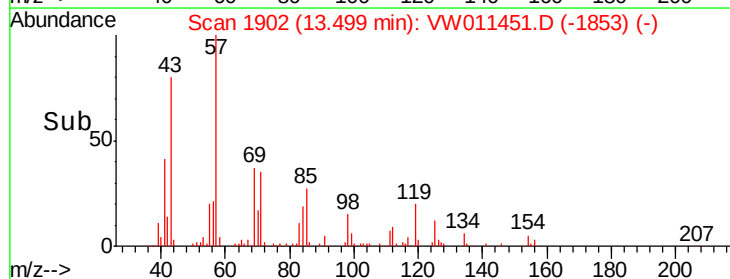
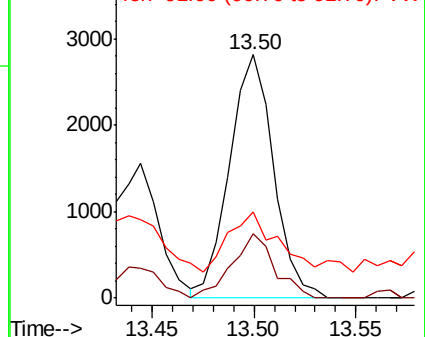
119 100

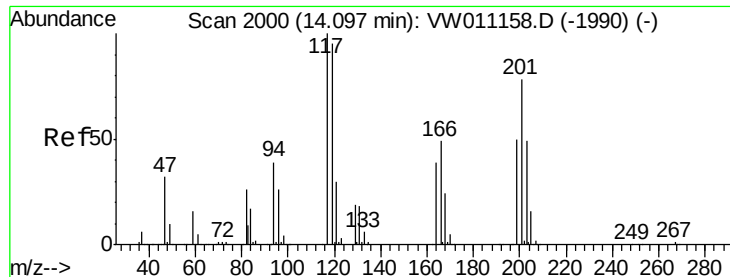
134 25.6 12.9 38.6

91 31.1 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VW





#90

Hexachloroethane

Concen: 1.019 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

Instrument :

MSVOA_W

ClientSampleId :

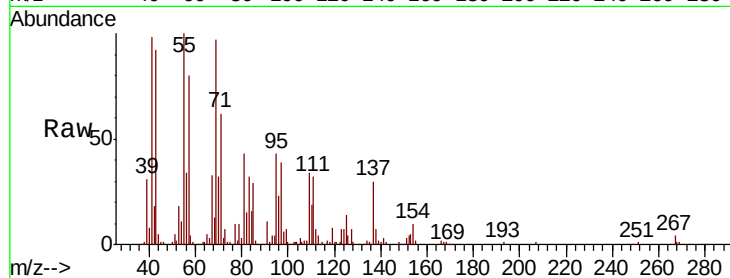
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Tot Ion:117 Resp: 662

Ion Ratio Lower Upper

117 100

201 0.0 38.3 114.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.09

400

300

200

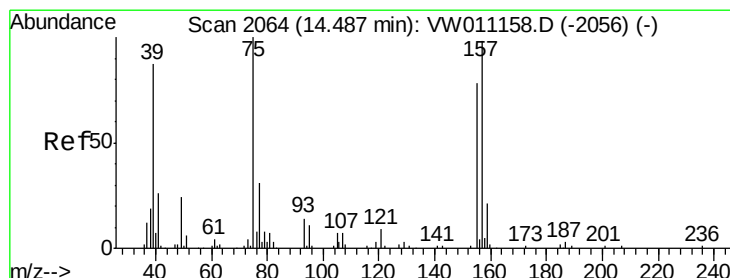
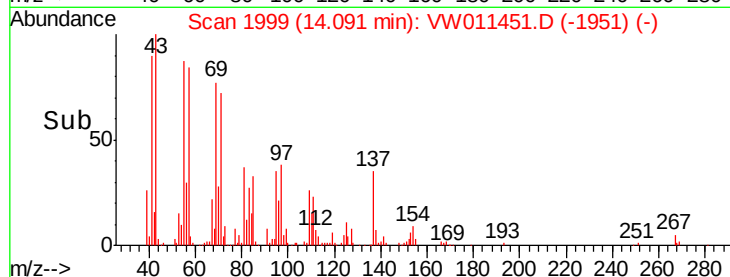
100

0

Time-->

14.05

14.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.667 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW011451.D

Acq: 24 Jul 2019 00:26

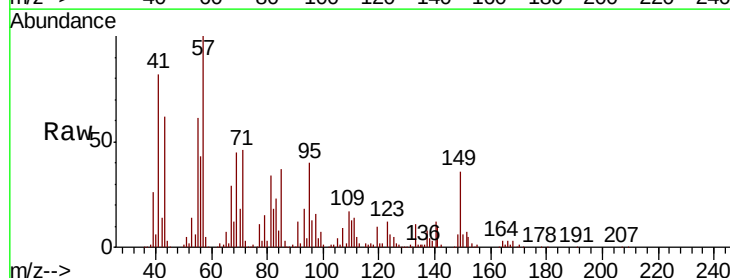
Tgt Ion: 75 Resp: 376

Ion Ratio Lower Upper

75 100

155 139.4 37.1 111.3#

157 0.0 48.5 145.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

400

300

200

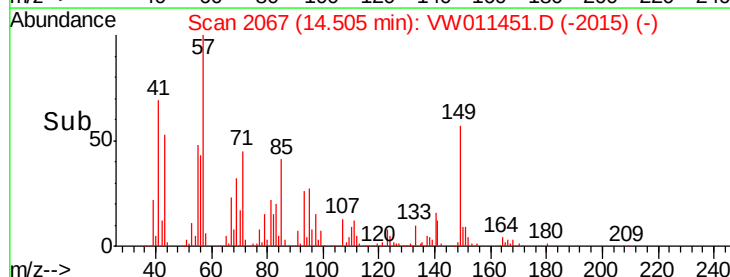
100

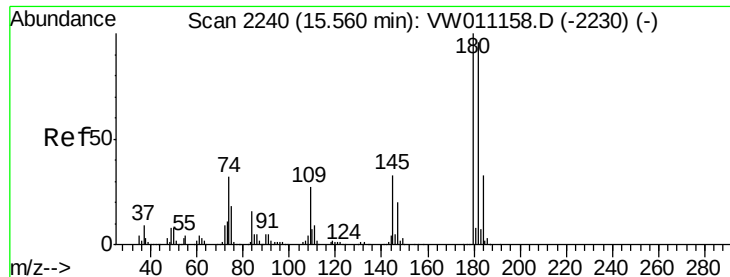
0

Time-->

14.45

14.50





#96
 1,2,3-Trichlorobenzene
 Concen: 14.612 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW011451.D
 Acq: 24 Jul 2019 00:26

Instrument :
 MSVOA_W
 ClientSampleId :
 GIS-BUILDING-1RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.6	142.8#
145	0.0	16.5	49.5#

