

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
 Data File : VW014620.D
 Acq On : 13 Jan 2020 13:24
 Operator : SY/VA
 Sample : L1054-05RE
 Misc : 6.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-03-3-4RE

Quant Time: Jan 14 12:16:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	48052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	28699	68.31	ug/l	0.00
Spiked Amount			Recovery	=	136.62%	
35) Dibromofluoromethane	7.88	113	26704	66.23	ug/l	0.00
Spiked Amount			Recovery	=	132.46%	
50) Toluene-d8	10.32	98	81790	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.62	95	15397	26.98	ug/l	0.00
Spiked Amount			Recovery	=	53.96%	

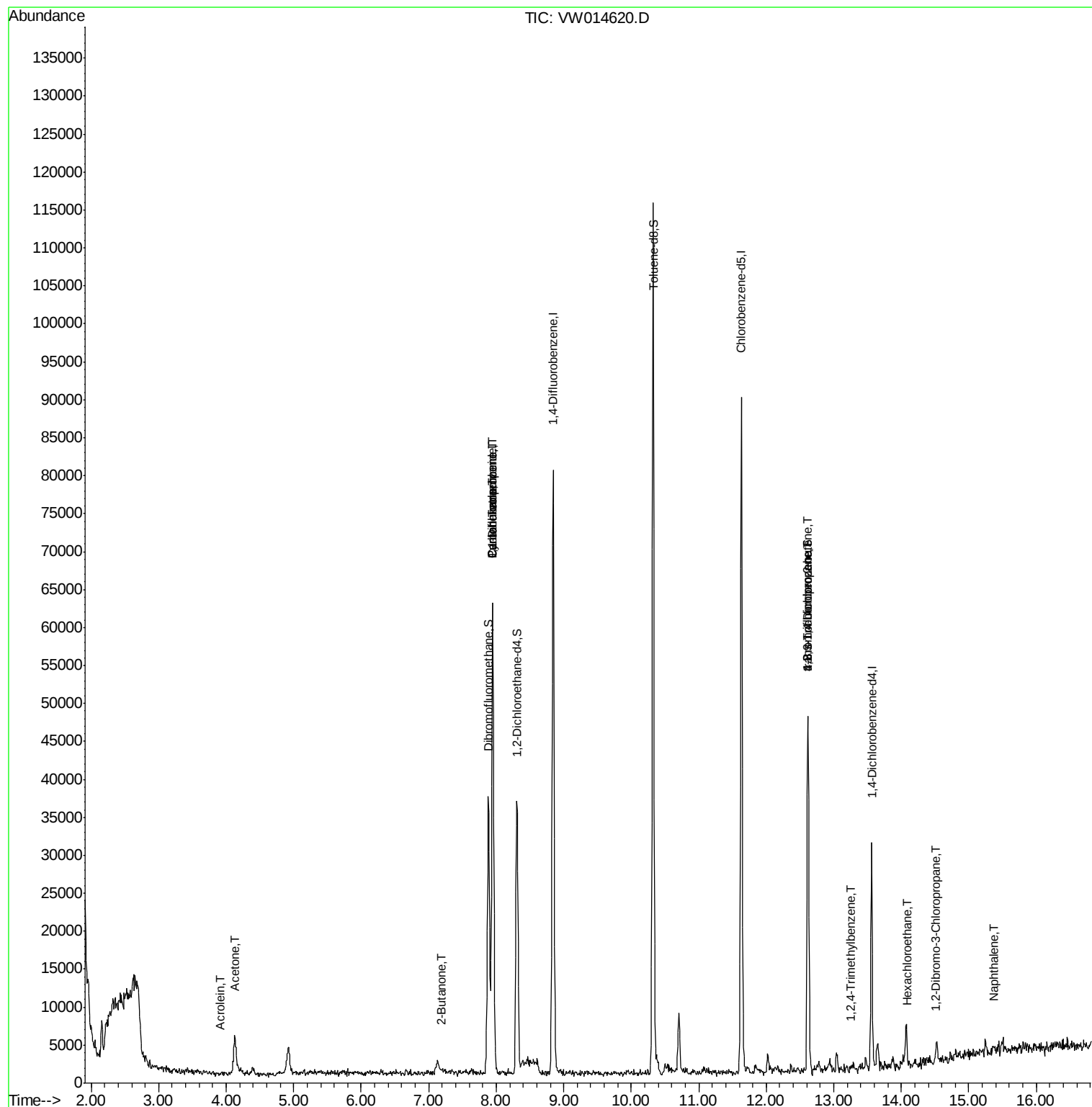
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.91	56	94	2.563	ug/l #	14
16) Acetone	4.13	43	9929	83.697	ug/l	96
25) 2-Butanone	7.19	43	1243	8.165	ug/l #	74
31) Cyclohexane	7.95	56	968	1.080	ug/l #	66
36) 1,1-Dichloropropene	7.95	75	3366	4.949	ug/l #	50
38) Carbon Tetrachloride	7.95	117	4799	8.133	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	7124	91.876	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7124	204.704	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	554	1.102	ug/l #	36
90) Hexachloroethane	14.09	117	155	1.590	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.50	75	68	3.954	ug/l #	1
95) Naphthalene	15.37	128	888	3.228	ug/l #	81

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

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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: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

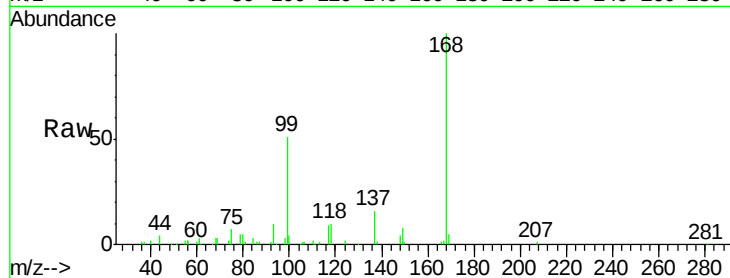
CIY1-SB-03-3-4RE

Tgt Ion:168 Resp: 48052

Ion Ratio Lower Upper

168 100

99 50.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

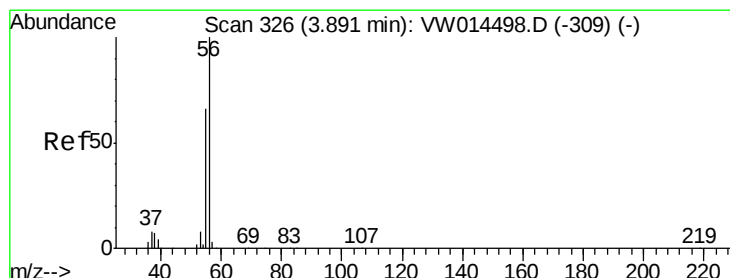
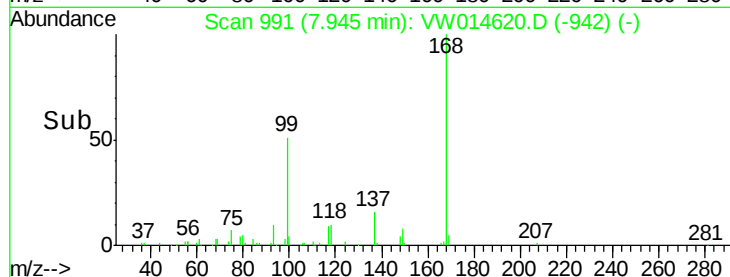
15000

10000

5000

0

Time-->



#13

Acrolein

Concen: 2.563 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW014620.D

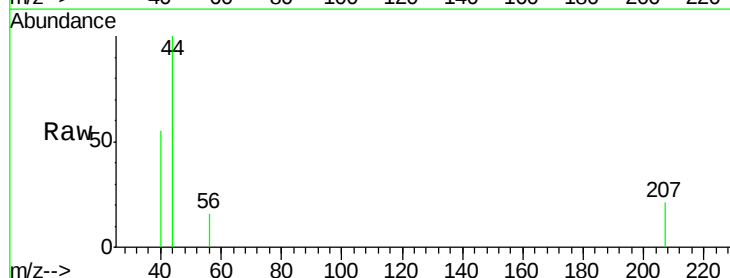
Acq: 13 Jan 2020 13:24

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.91

120

100

80

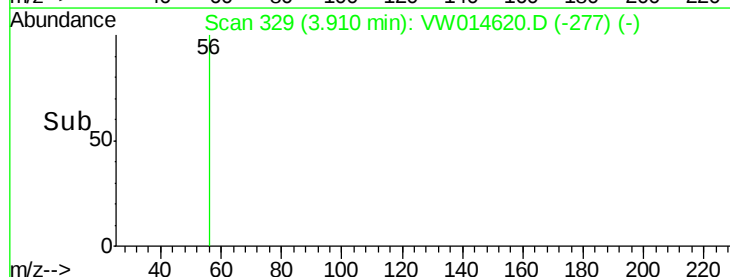
60

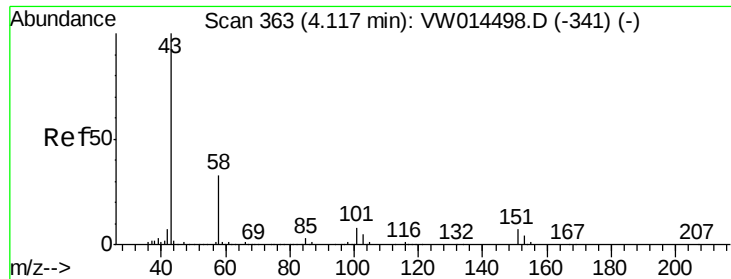
40

20

0

Time-->





#16

Acetone

Concen: 83.697 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

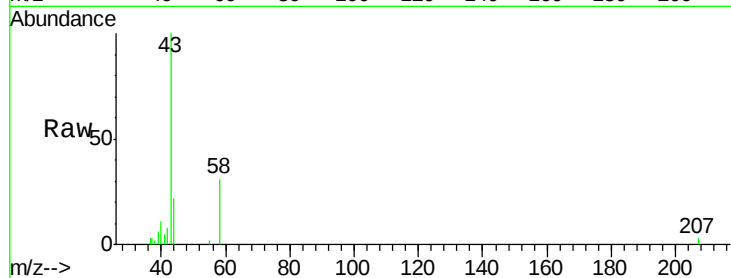
CIY1-SB-03-3-4RE

Tgt Ion: 43 Resp: 9929

Ion Ratio Lower Upper

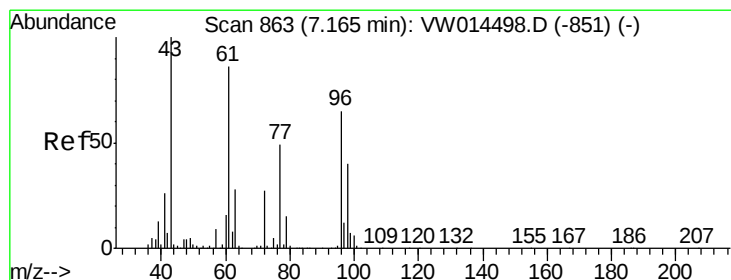
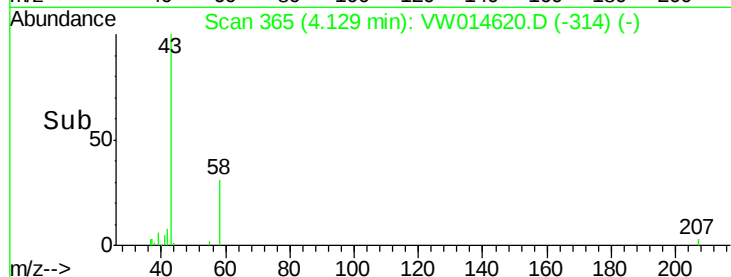
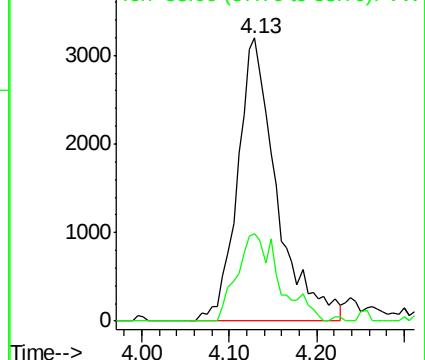
43 100

58 31.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 8.165 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW014620.D

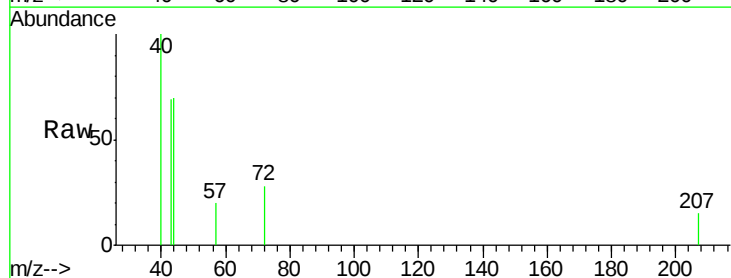
Acq: 13 Jan 2020 13:24

Tgt Ion: 43 Resp: 1243

Ion Ratio Lower Upper

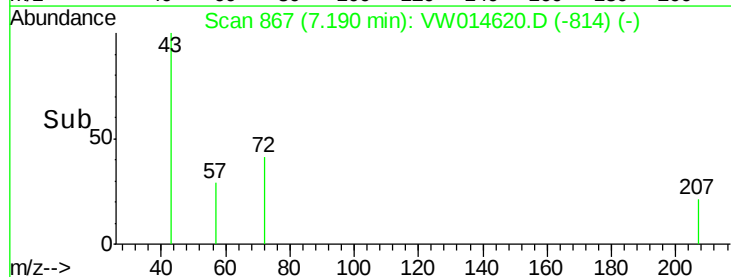
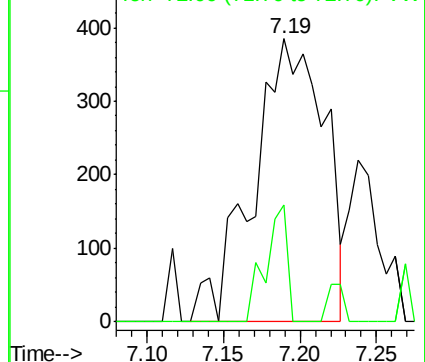
43 100

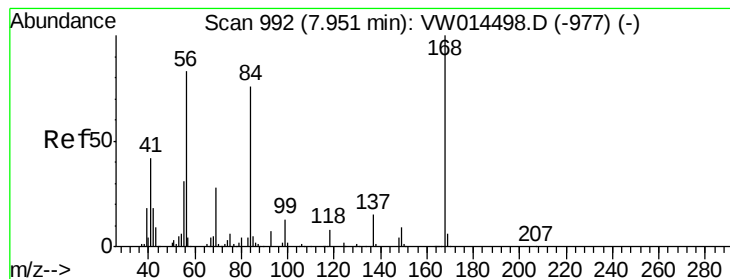
72 41.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.080 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

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CIY1-SB-03-3-4RE

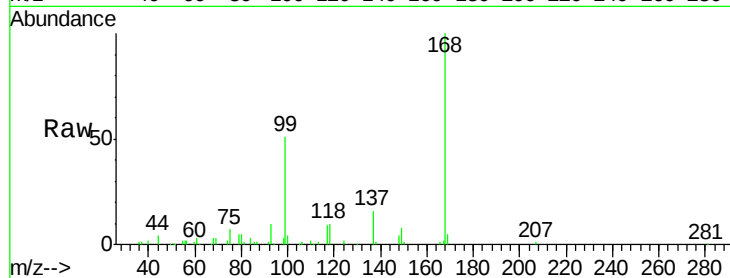
Tgt Ion: 56 Resp: 968

Ion Ratio Lower Upper

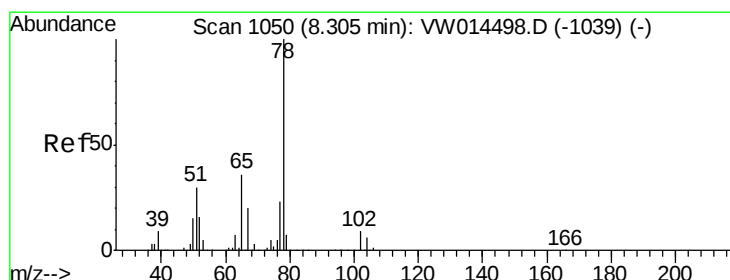
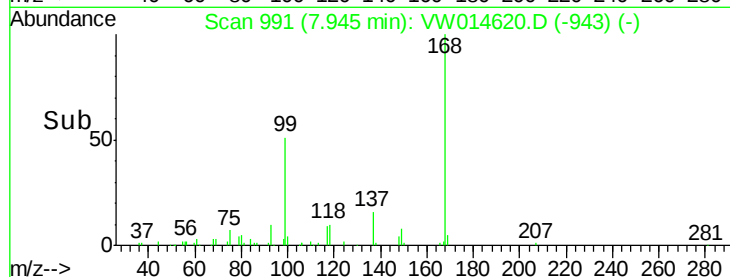
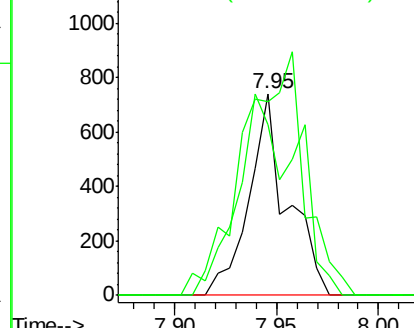
56 100

69 96.0 26.8 40.2#

84 84.6 71.8 107.6



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: 68.311 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014620.D

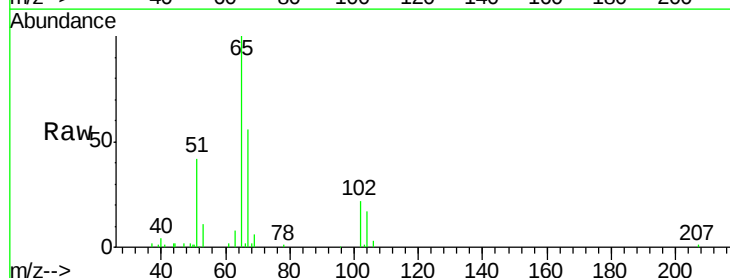
Acq: 13 Jan 2020 13:24

Tgt Ion: 65 Resp: 28699

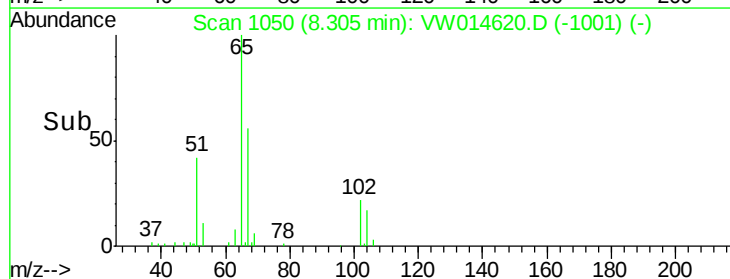
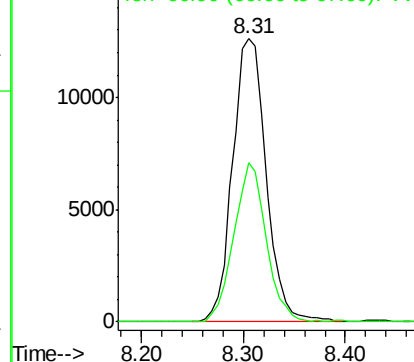
Ion Ratio Lower Upper

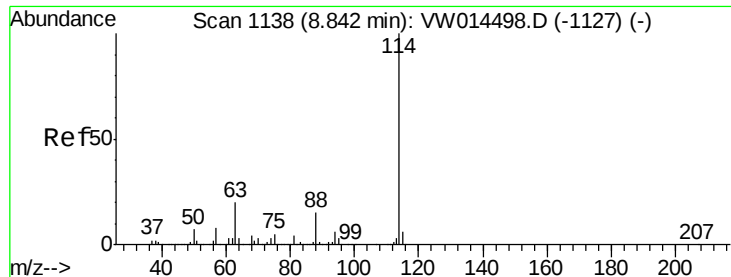
65 100

67 53.9 0.0 108.4



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: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

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CIY1-SB-03-3-4RE

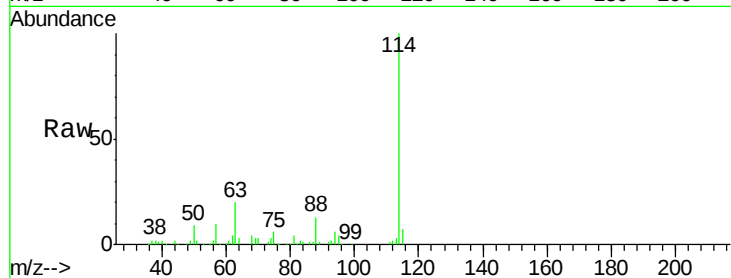
Tgt Ion:114 Resp: 70553

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.4

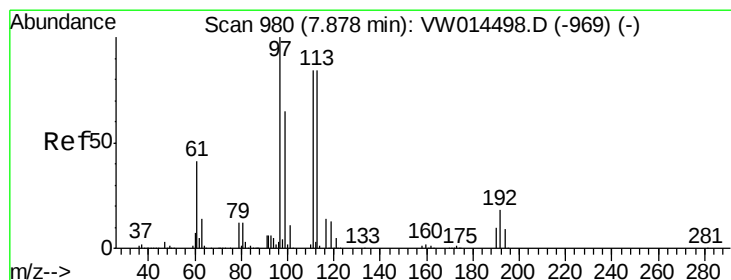
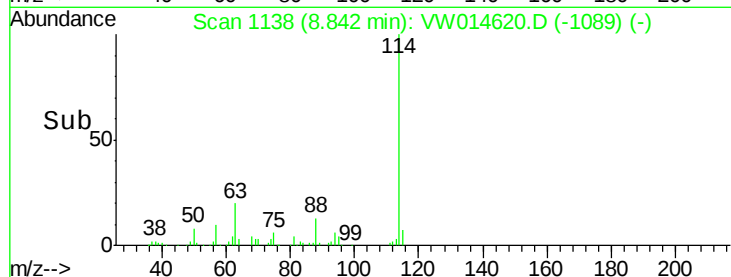
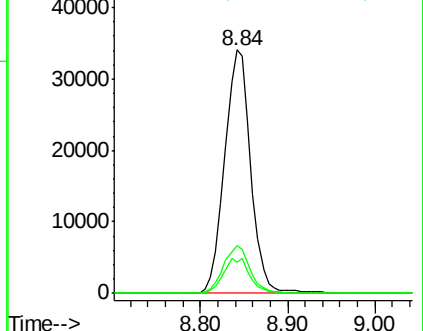
88 13.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 66.226 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

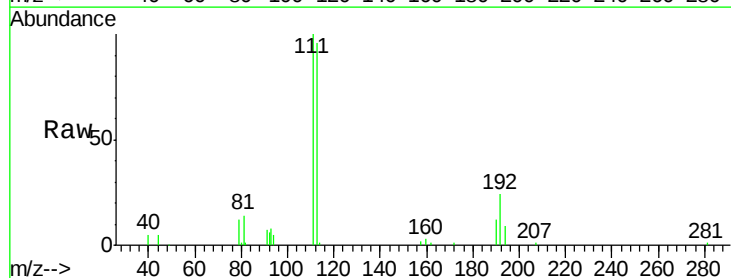
Tgt Ion:113 Resp: 26704

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

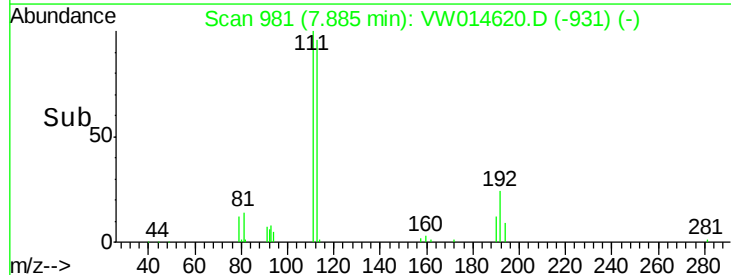
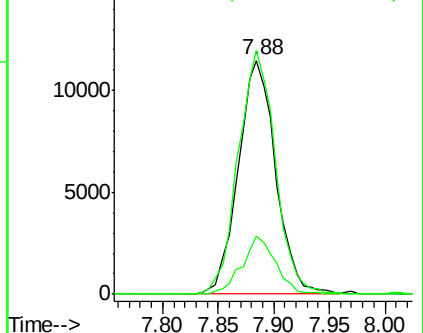
192 22.3 17.8 26.8

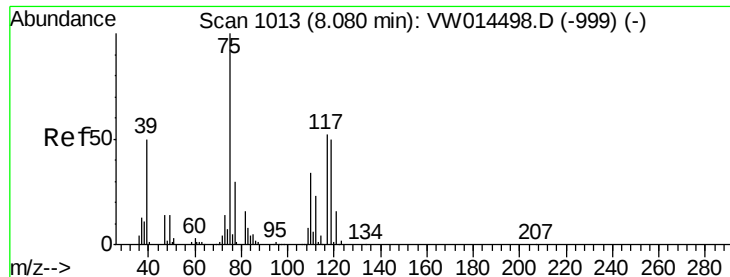


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

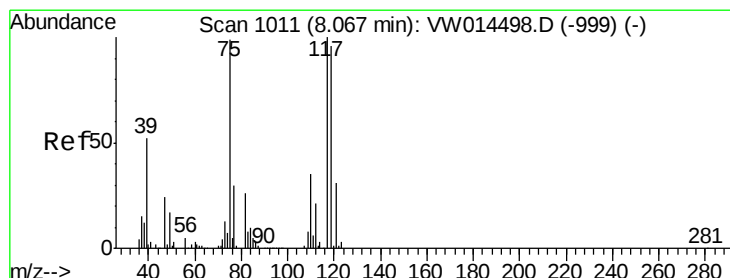
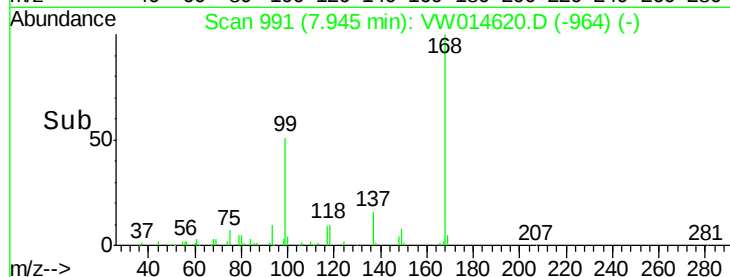
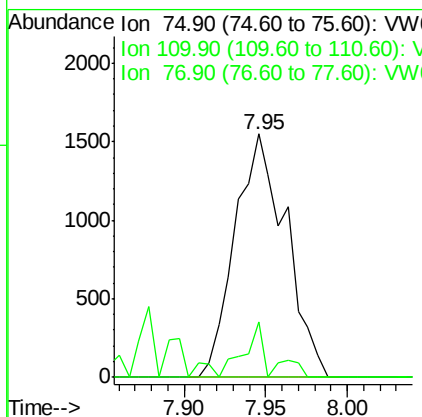
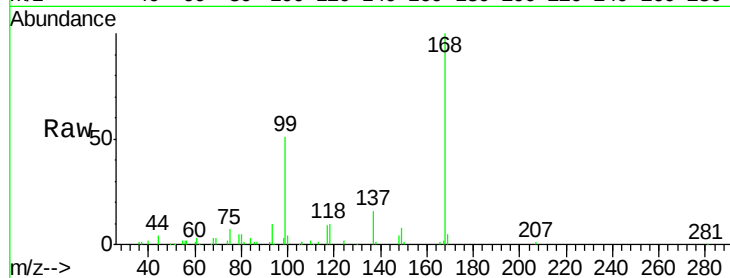




#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014620.D
 Acq: 13 Jan 2020 13:24

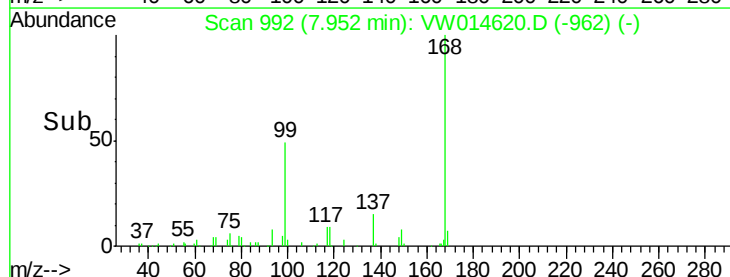
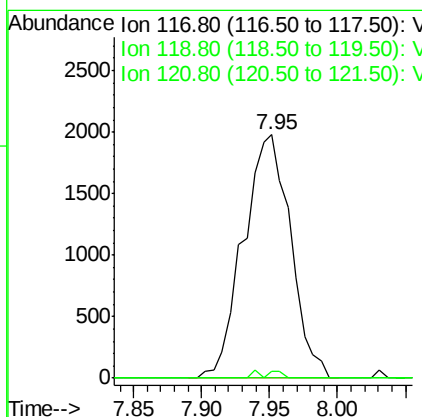
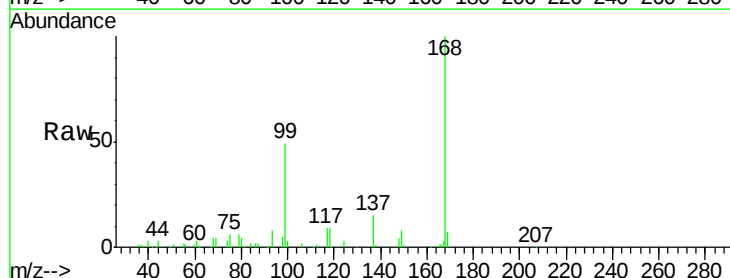
Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-03-3-4RE

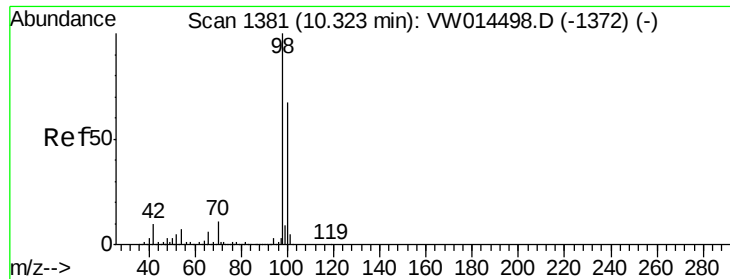
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 8.133 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW014620.D
 Acq: 13 Jan 2020 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 48.605 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

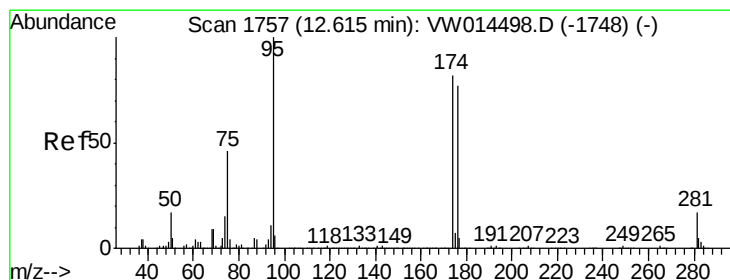
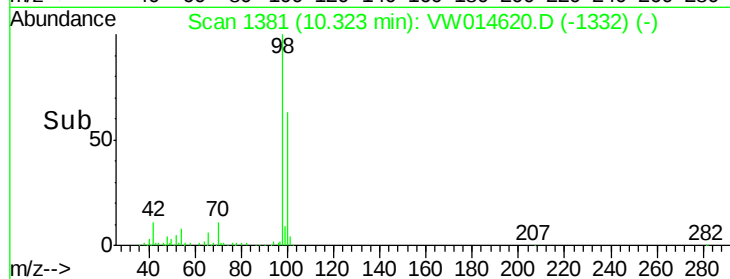
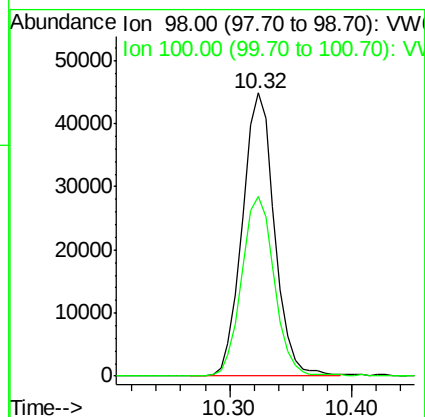
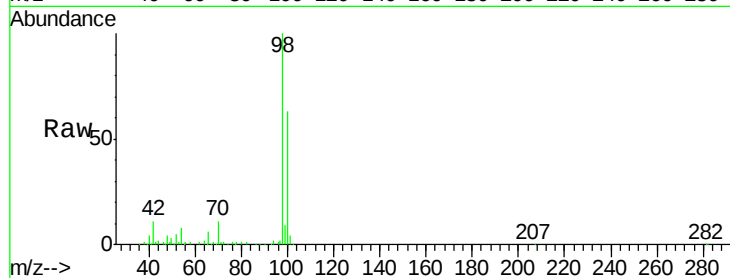
CIY1-SB-03-3-4RE

Tgt Ion: 98 Resp: 81790

Ion Ratio Lower Upper

98 100

100 64.5 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 26.976 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

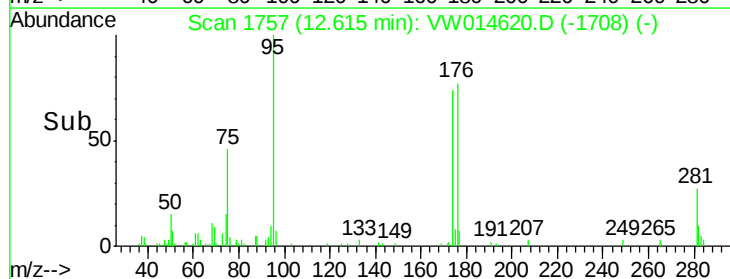
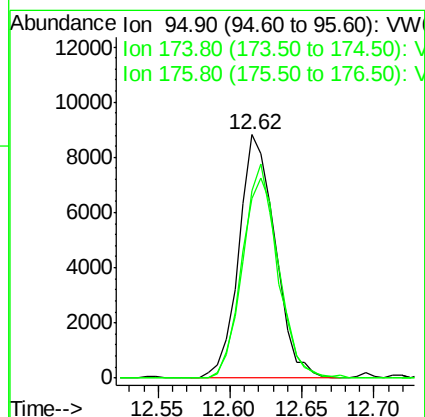
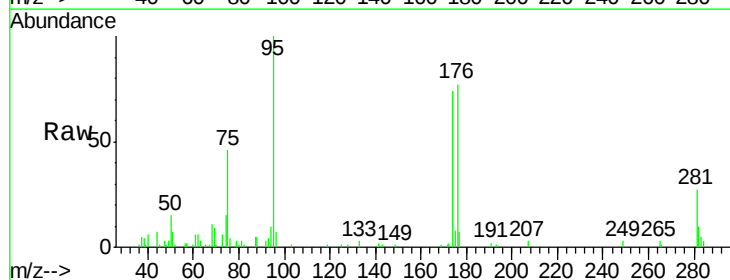
Tgt Ion: 95 Resp: 15397

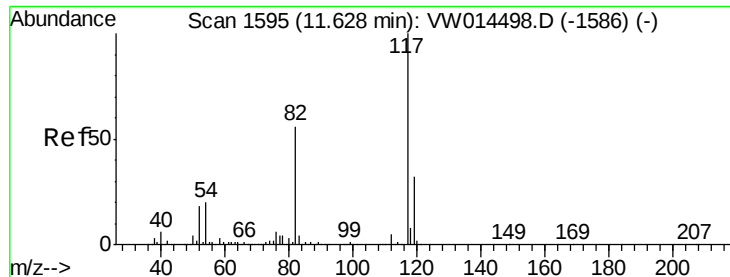
Ion Ratio Lower Upper

95 100

174 83.9 0.0 168.6

176 85.0 0.0 162.0

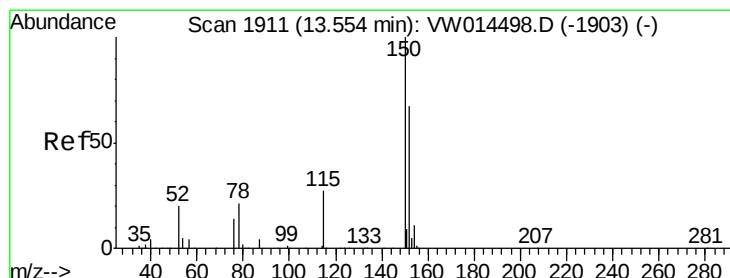
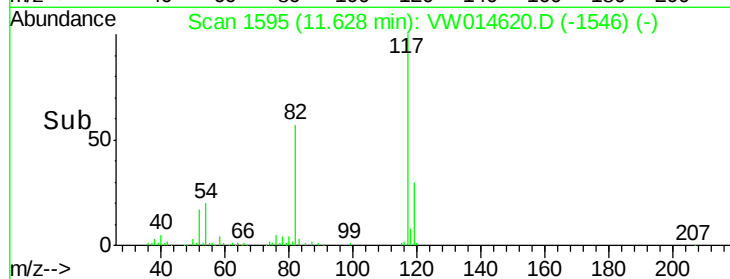
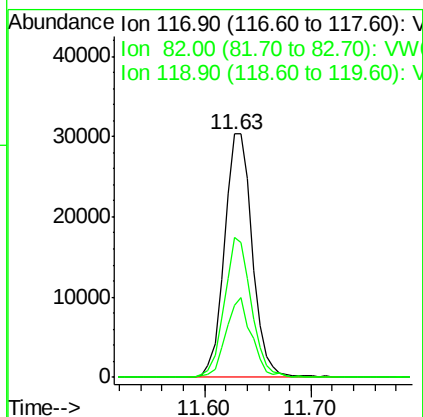
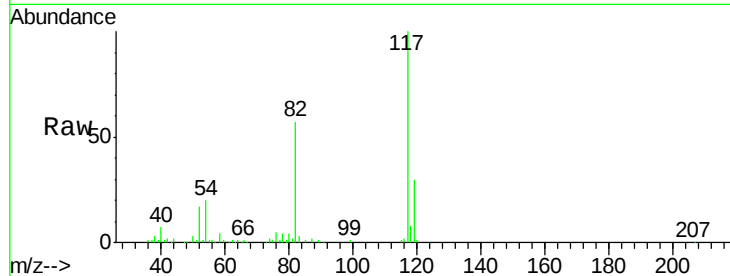




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014620.D
Acq: 13 Jan 2020 13:24

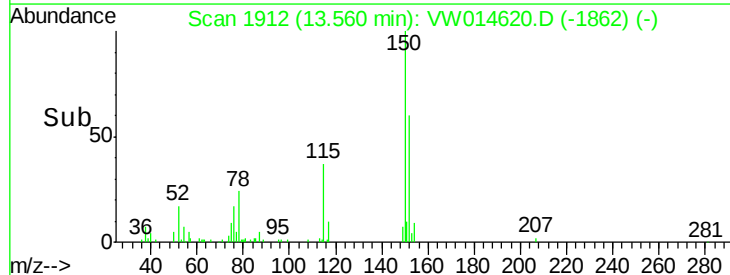
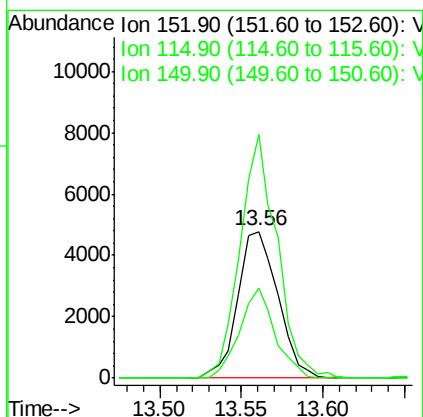
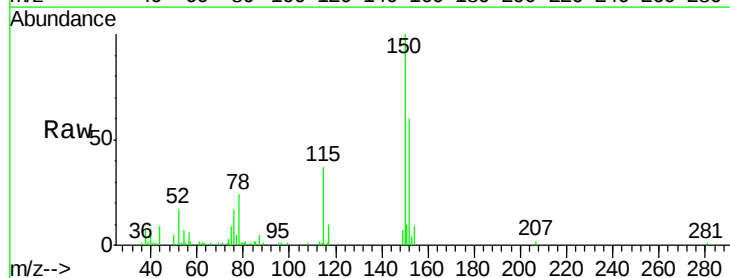
Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-03-3-4RE

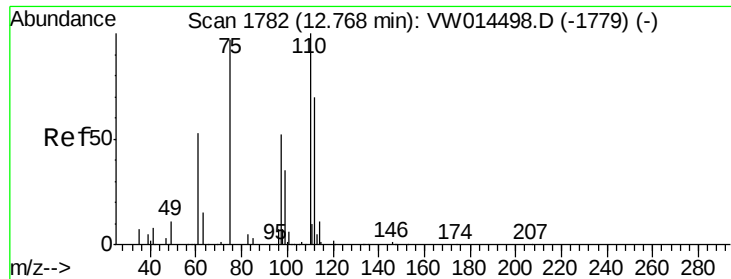
Tgt Ion:117 Resp: 55615
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 29.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014620.D
Acq: 13 Jan 2020 13:24

Tgt Ion:152 Resp: 8201
Ion Ratio Lower Upper
152 100
115 54.0 27.7 83.1
150 152.7 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 91.876 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

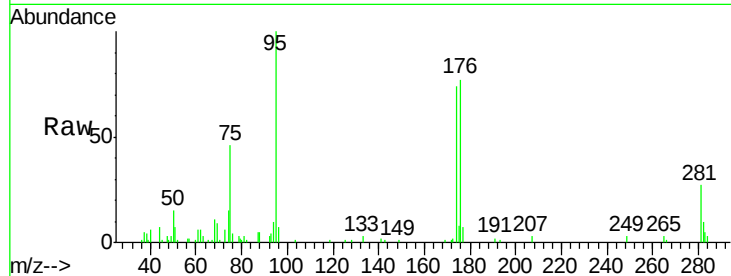
CIY1-SB-03-3-4RE

Tgt Ion: 75 Resp: 7124

Ion Ratio Lower Upper

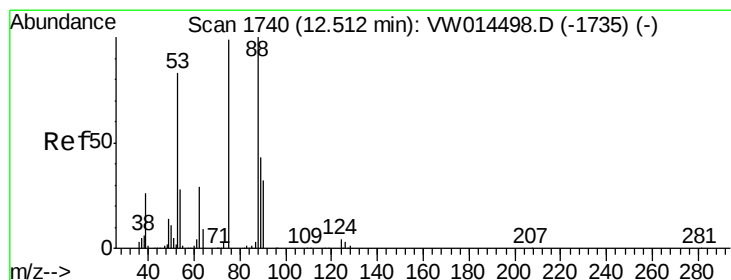
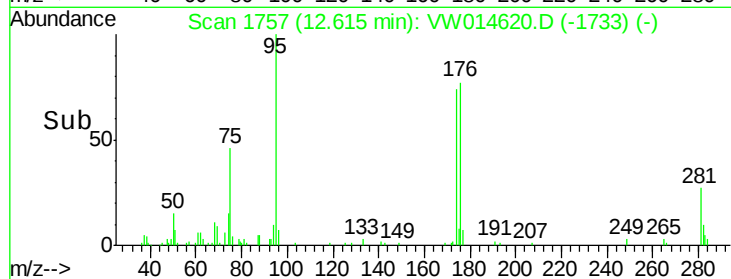
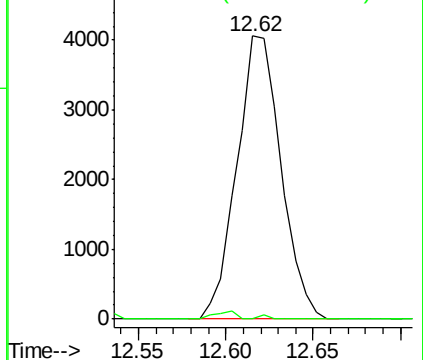
75 100

77 0.4 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: 204.704 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

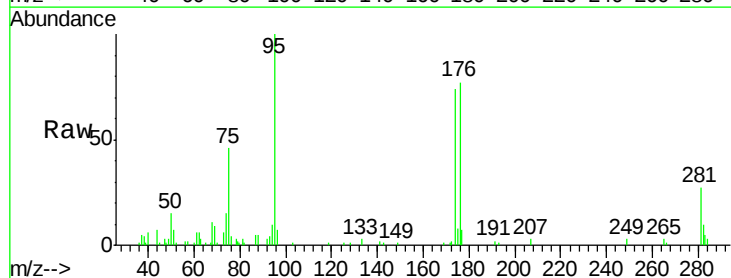
Tgt Ion: 75 Resp: 7124

Ion Ratio Lower Upper

75 100

53 0.0 70.9 106.3#

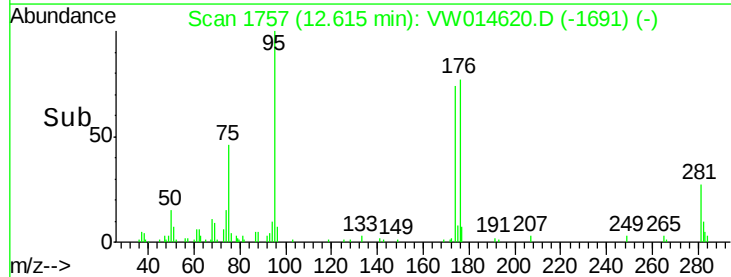
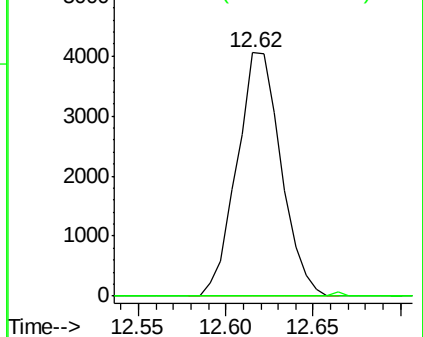
89 0.0 35.8 53.8#

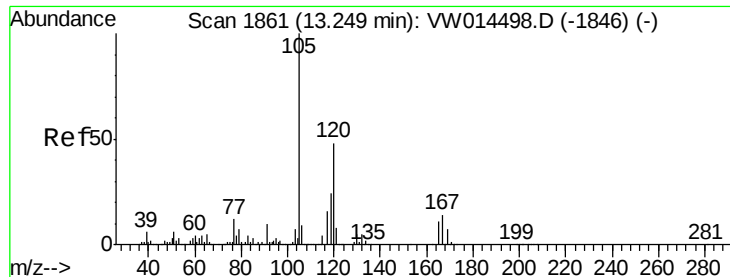


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

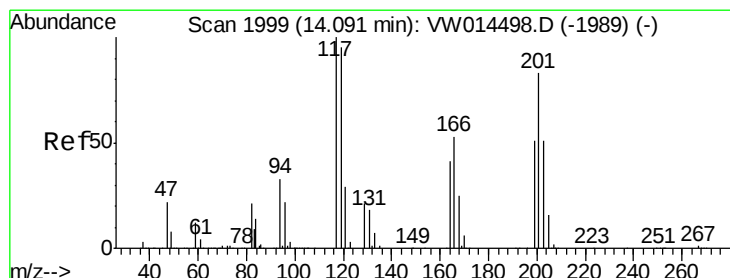
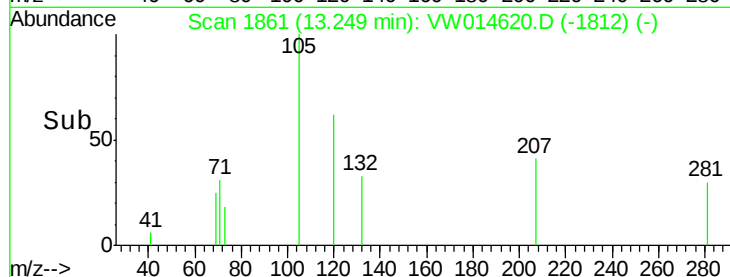
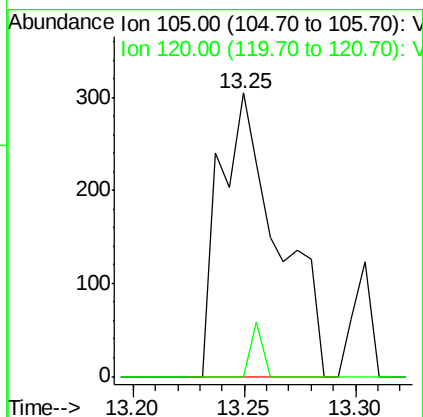
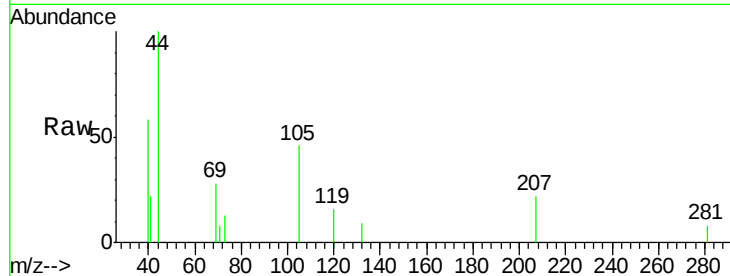




#84
 1,2,4-Trimethylbenzene
 Concen: 1.102 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014620.D
 Acq: 13 Jan 2020 13:24

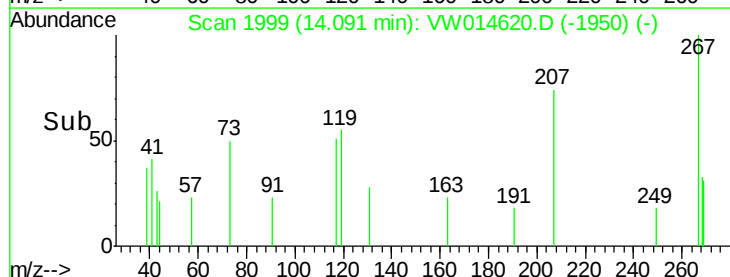
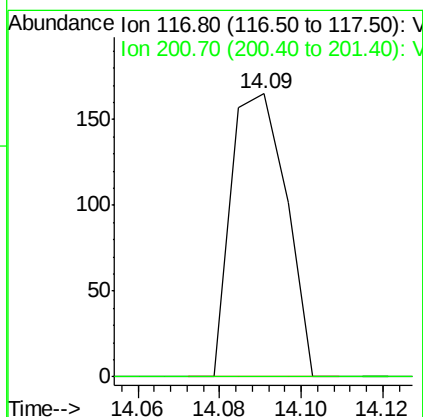
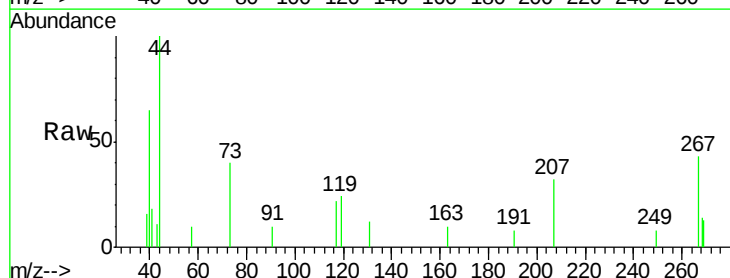
Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-03-3-4RE

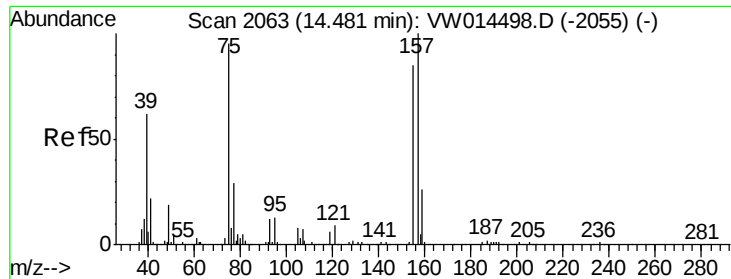
Tgt Ion:105 Resp: 554
 Ion Ratio Lower Upper
 105 100
 120 4.0 23.4 70.0#



#90
 Hexachloroethane
 Concen: 1.590 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: VW014620.D
 Acq: 13 Jan 2020 13:24

Tgt Ion:117 Resp: 155
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.954 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.02 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-03-3-4RE

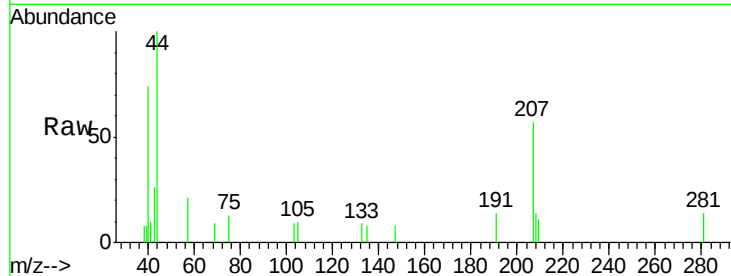
Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

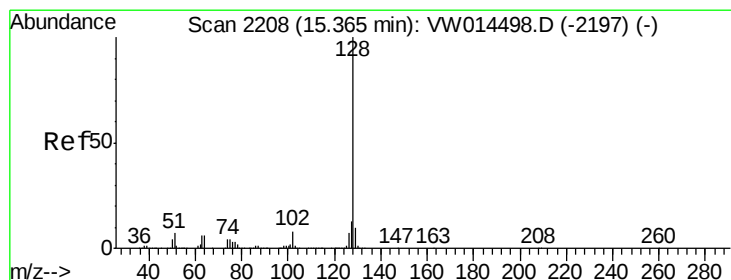
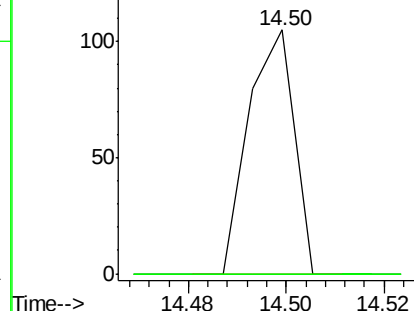
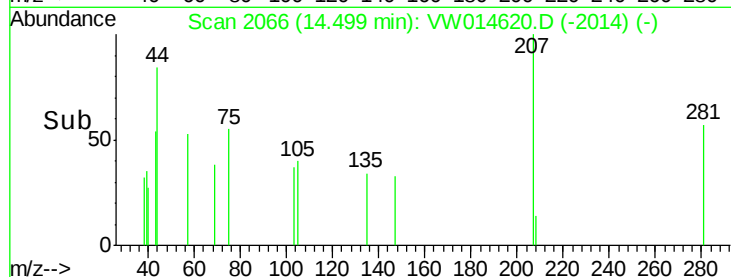
157 0.0 58.1 174.2#



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



#95

Naphthalene

Concen: 3.228 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW014620.D

Acq: 13 Jan 2020 13:24

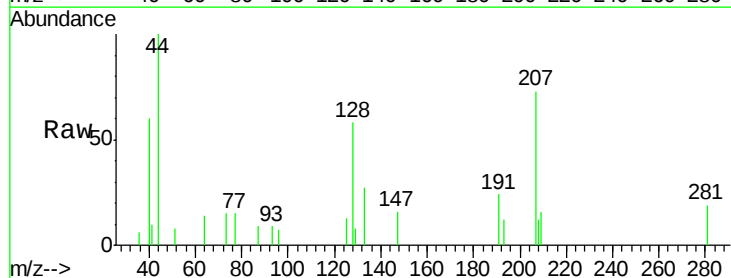
Tgt Ion: 128 Resp: 888

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 11.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

