

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014508.D
 Acq On : 03 Jan 2020 19:31
 Operator : SY/VA
 Sample : L1011-05
 Misc : 6.56G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:46:03 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	92152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	136224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14775	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	52662	65.36	ug/l	0.00
Spiked Amount			Recovery	=	130.72%	
35) Dibromofluoromethane	7.88	113	50308	64.62	ug/l	0.00
Spiked Amount			Recovery	=	129.24%	
50) Toluene-d8	10.32	98	157086	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	28002	25.41	ug/l	0.00
Spiked Amount			Recovery	=	50.82%	

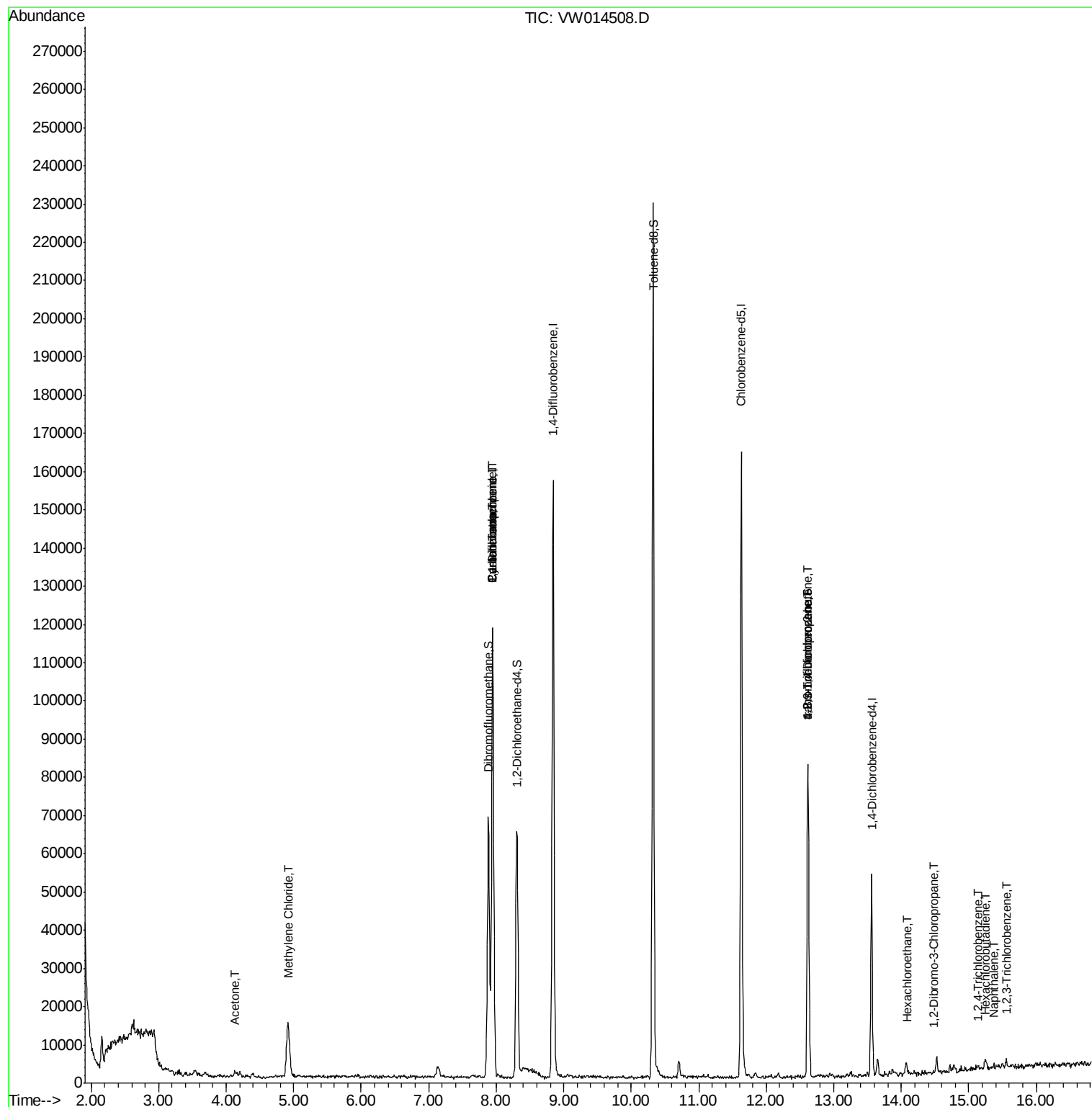
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	19	Below Cal	#	73
16) Acetone	4.13	43	3226	14.180	ug/l #	86
20) Methylene Chloride	4.92	84	11262	8.488	ug/l	98
31) Cyclohexane	7.95	56	2023	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6850	5.216	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8737	7.669	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	13315	95.314	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13315	212.365	ug/l #	14
90) Hexachloroethane	14.09	117	208	1.184	ug/l	75
92) 1,2-Dibromo-3-Chloropropan	14.49	75	60	1.936	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.13	180	301	1.036	ug/l #	79
94) Hexachlorobutadiene	15.24	225	237	1.217	ug/l #	68
95) Naphthalene	15.37	128	670	1.352	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.55	180	541	2.136	ug/l #	74

(#) = 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: VW014508.D

Acq: 03 Jan 2020 19:31

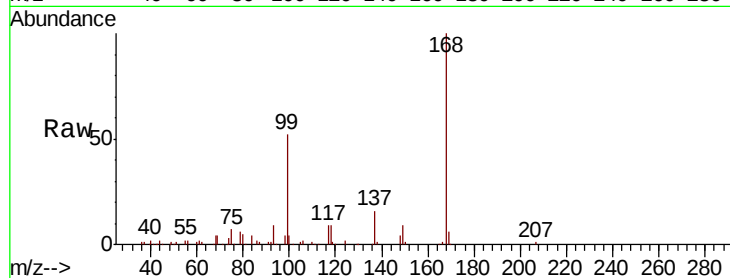
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 92152

Ion Ratio Lower Upper

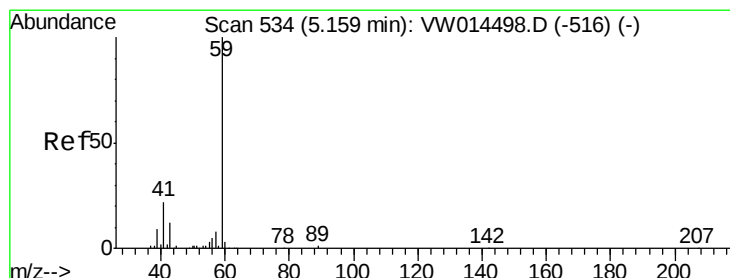
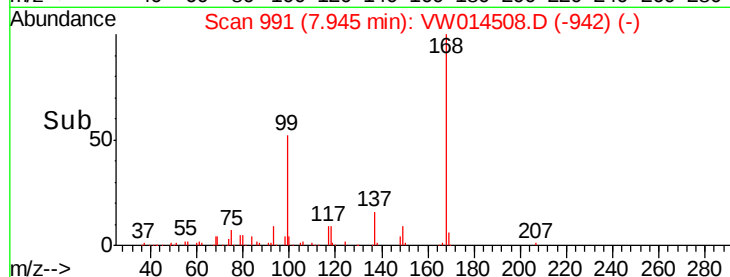
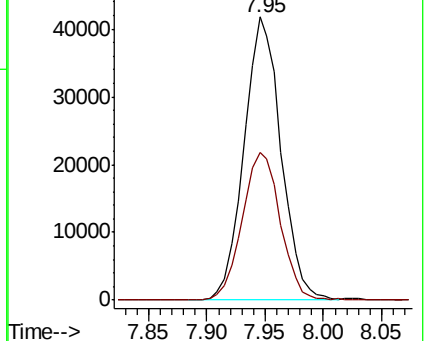
168 100

99 52.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW014508.D

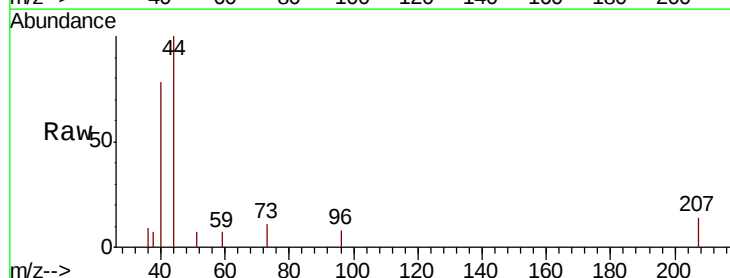
Acq: 03 Jan 2020 19:31

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

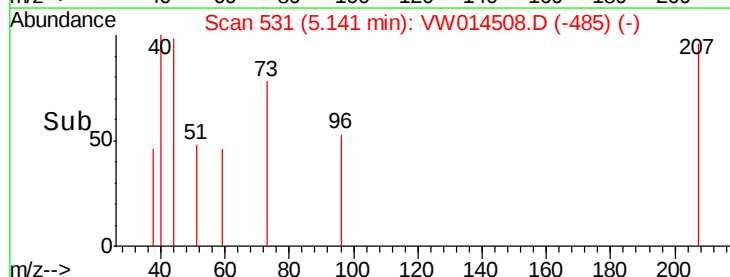
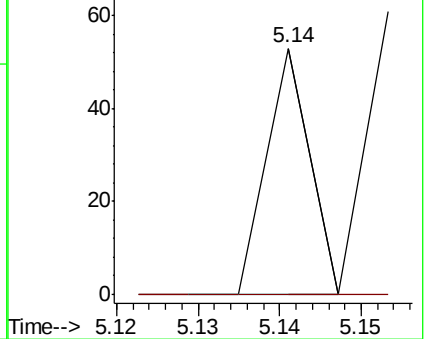
59 100

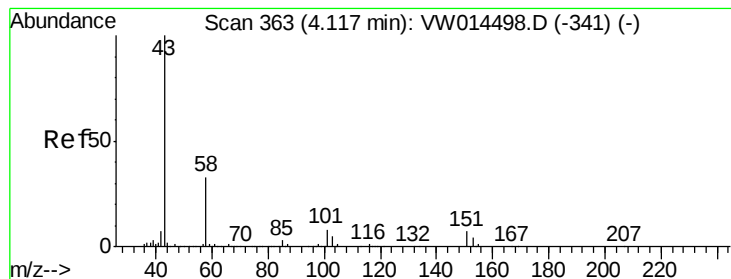
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 14.180 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

Instrument :

MSVOA_W

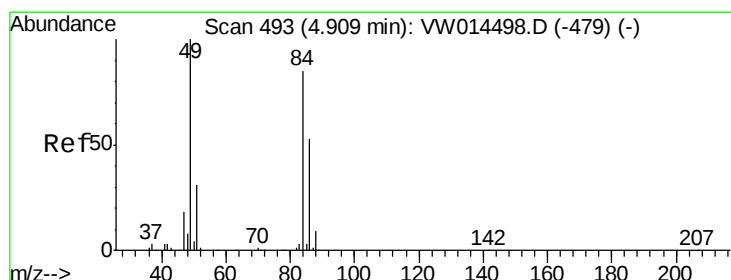
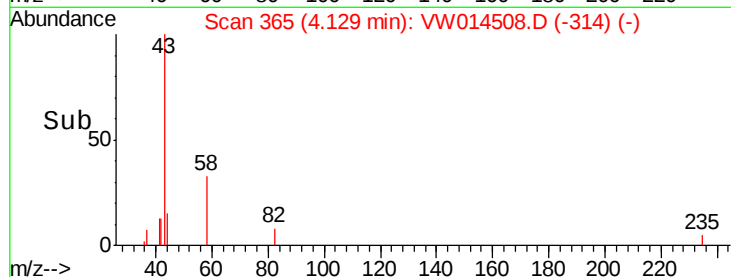
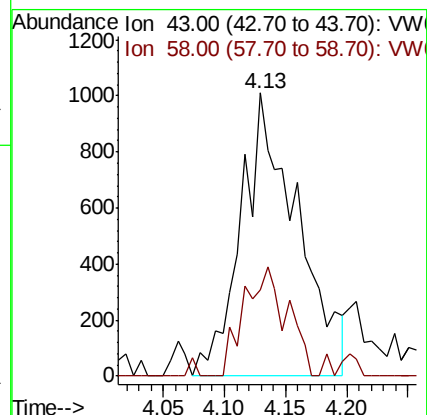
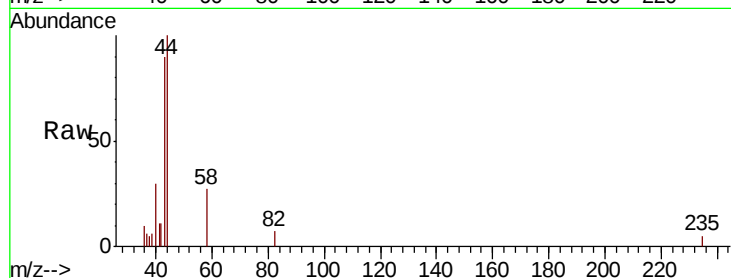
ClientSampled :

Tot Ion: 43 Resp: 3226

Ion Ratio Lower Upper

43 100

58 25.3 26.6 39.8#



#20

Methylene Chloride

Concen: 8.488 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

Tgt Ion: 84 Resp: 11262

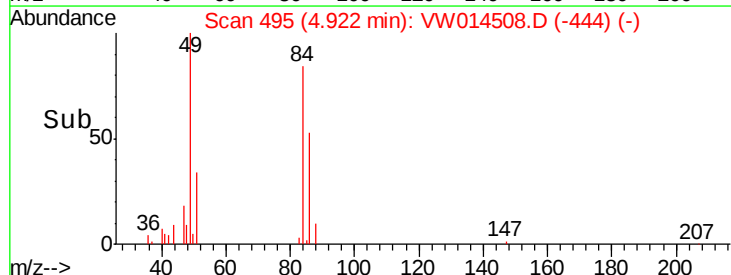
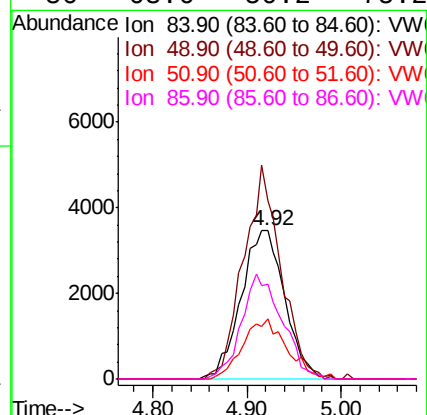
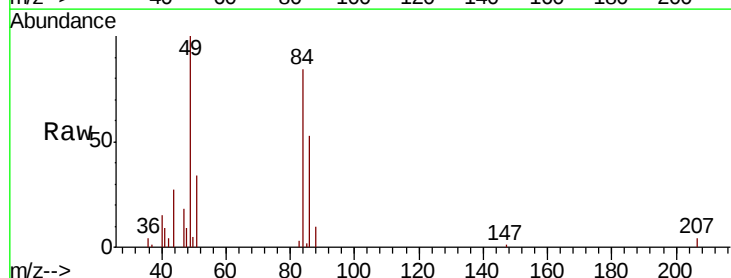
Ion Ratio Lower Upper

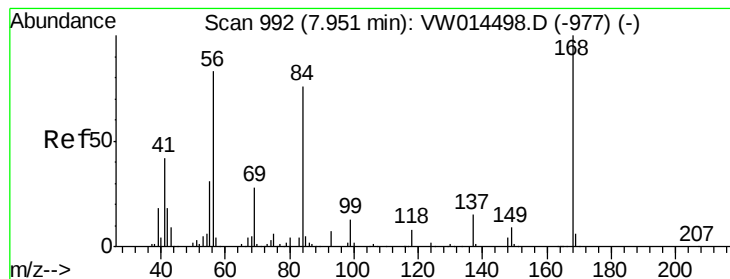
84 100

49 119.5 94.4 141.6

51 40.7 29.5 44.3

86 63.6 50.2 75.2





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

Instrument :

MSVOA_W

ClientSampled :

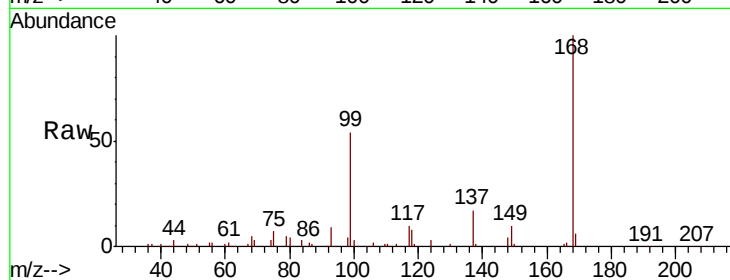
Tot Ion: 56 Resp: 2023

Ion Ratio Lower Upper

56 100

69 154.9 26.8 40.2#

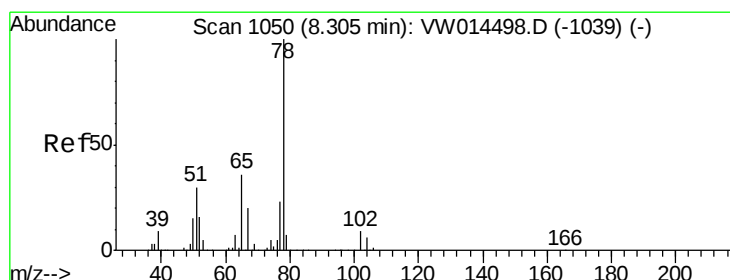
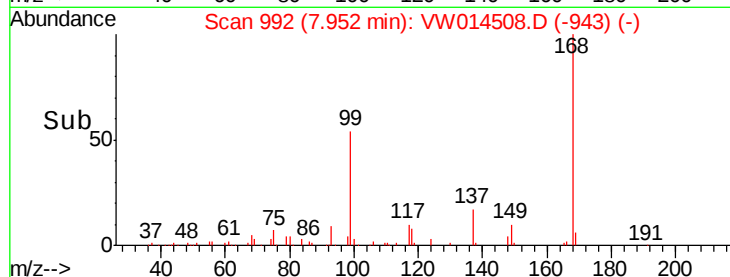
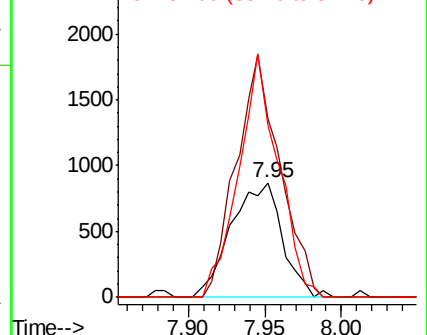
84 149.4 71.8 107.6#



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: 65.362 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014508.D

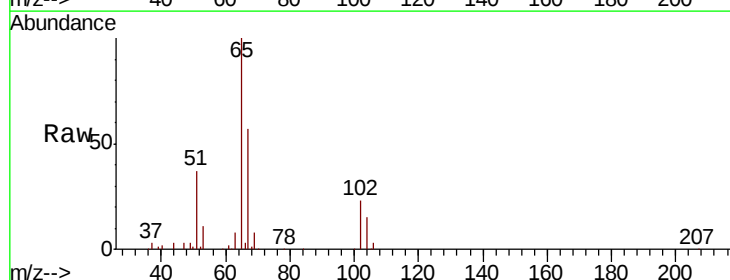
Acq: 03 Jan 2020 19:31

Tgt Ion: 65 Resp: 52662

Ion Ratio Lower Upper

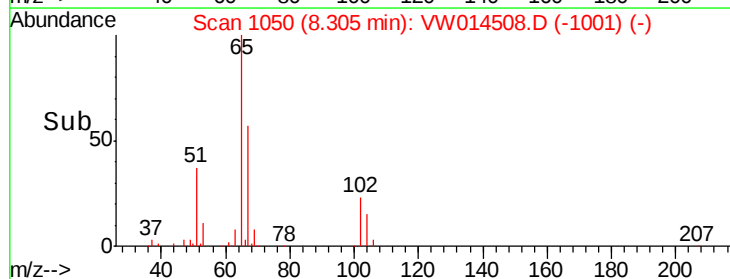
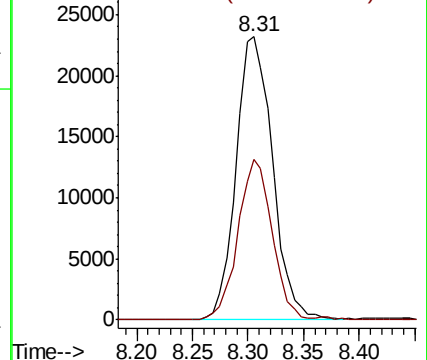
65 100

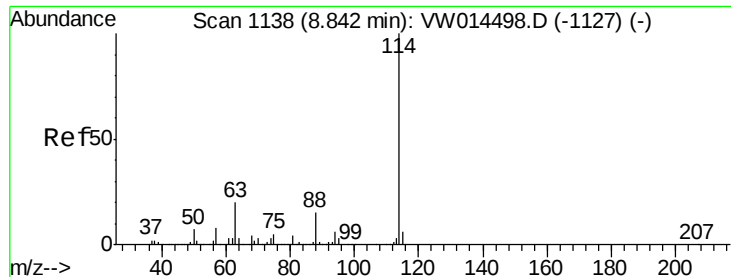
67 52.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

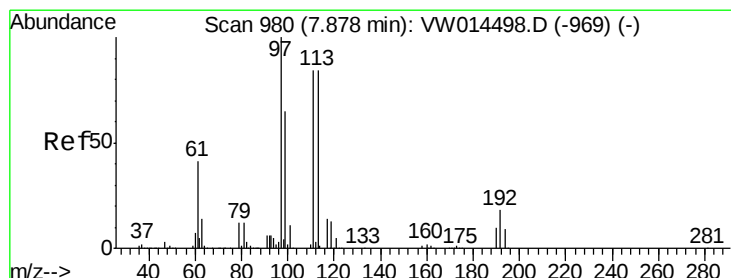
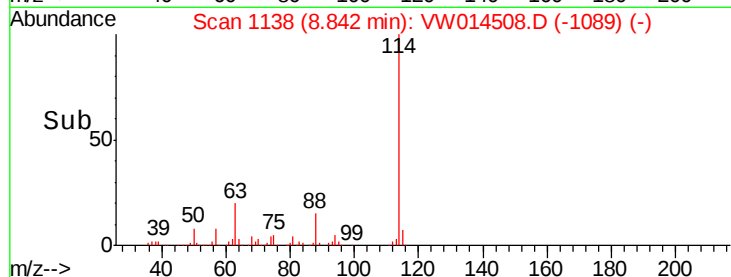
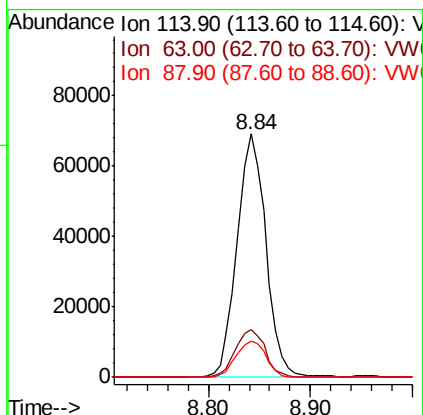
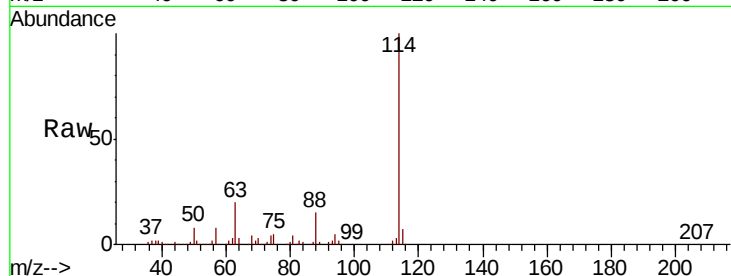




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014508.D
 Acq: 03 Jan 2020 19:31

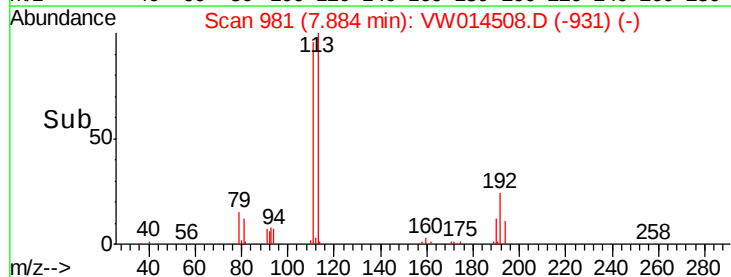
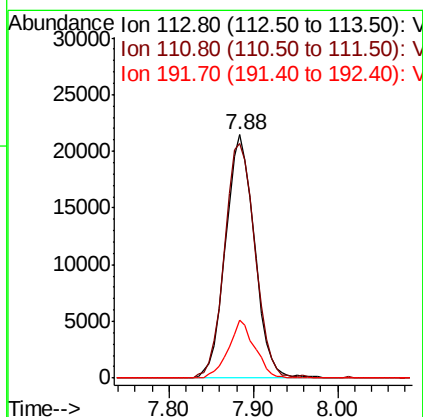
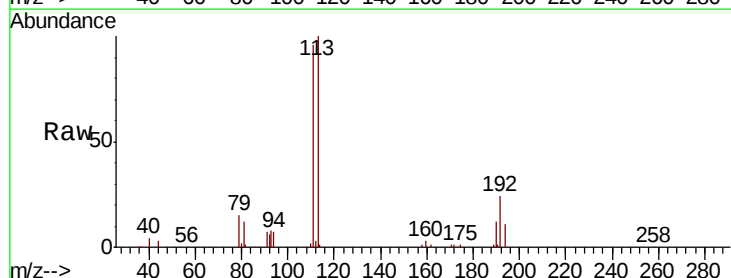
Instrument :
 MSVOA_W
 ClientSampleId :

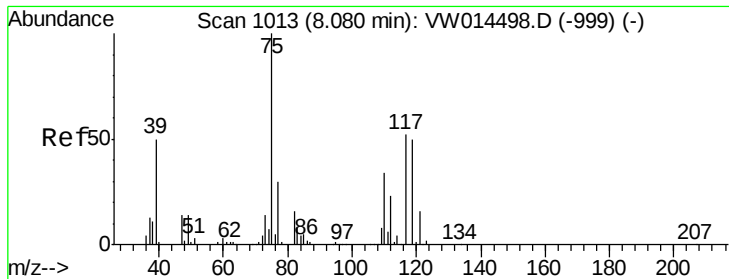
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.4
88	14.7	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 64.618 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014508.D
 Acq: 03 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.2
192	21.3	17.8	26.8

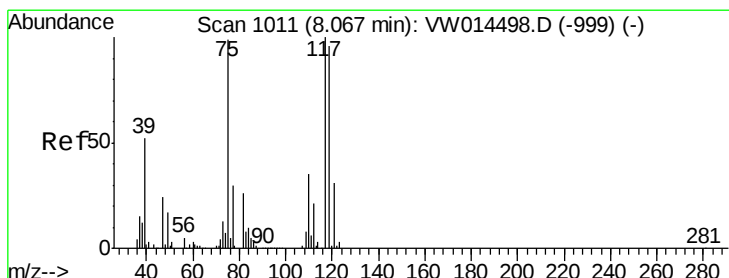
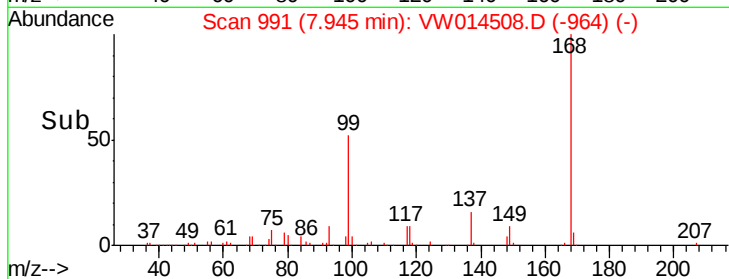
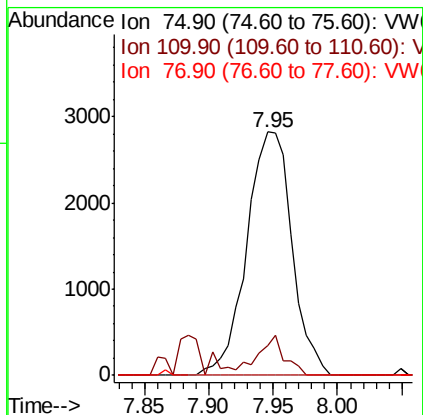
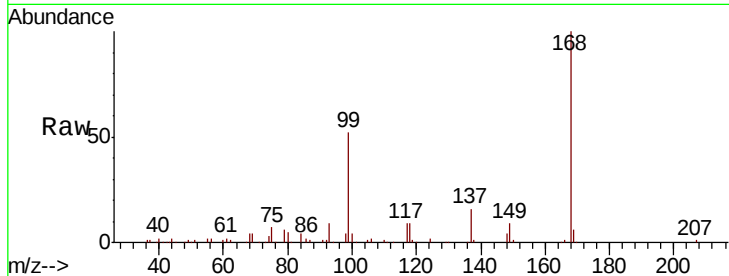




#36
 1,1-Dichloropropene
 Concen: 5.216 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014508.D
 Acq: 03 Jan 2020 19:31

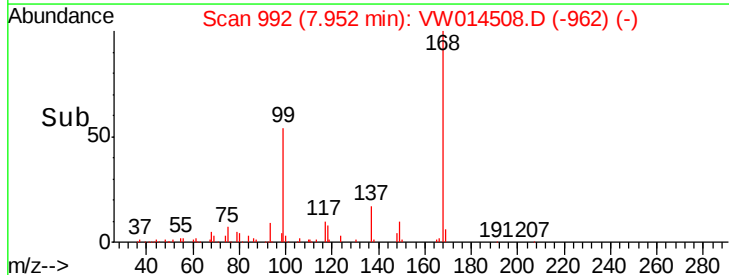
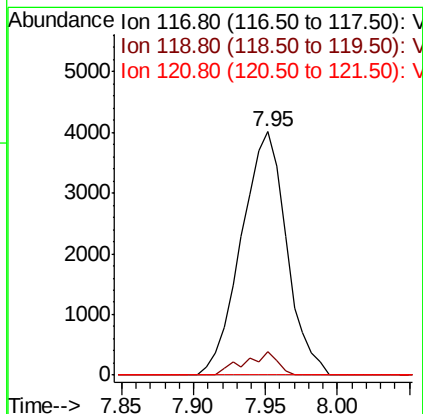
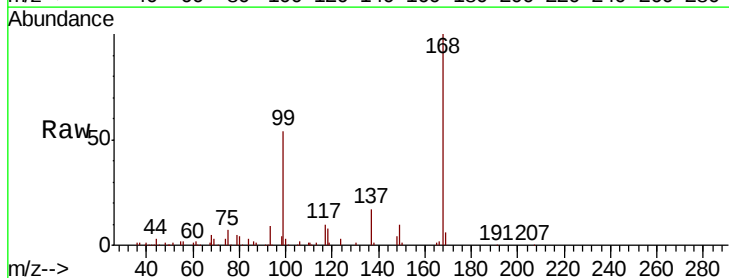
Instrument :
 MSVOA_W
 ClientSampled :

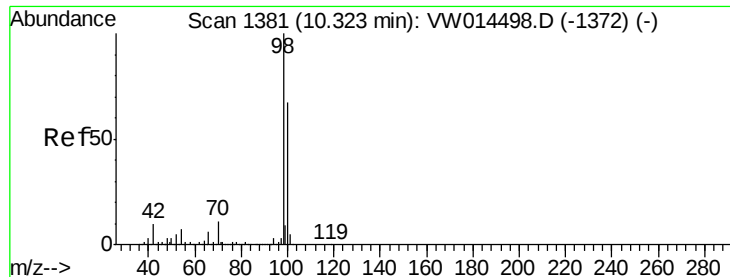
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.669 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW014508.D
 Acq: 03 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	9.9	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 48.348 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

Instrument :

MSVOA_W

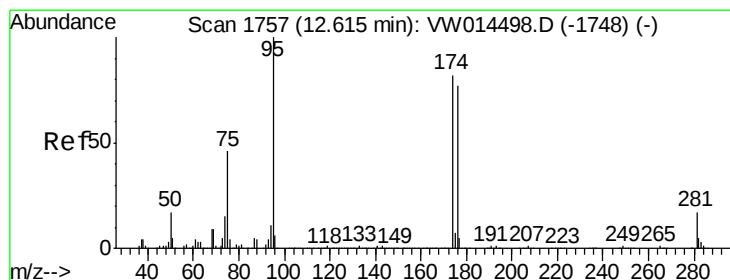
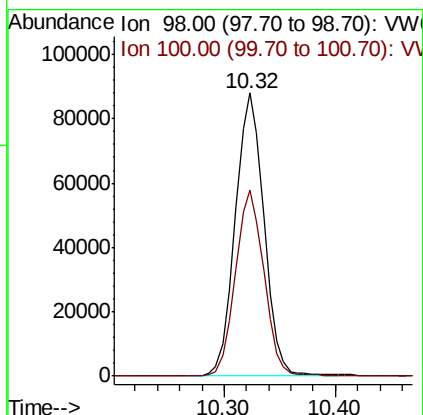
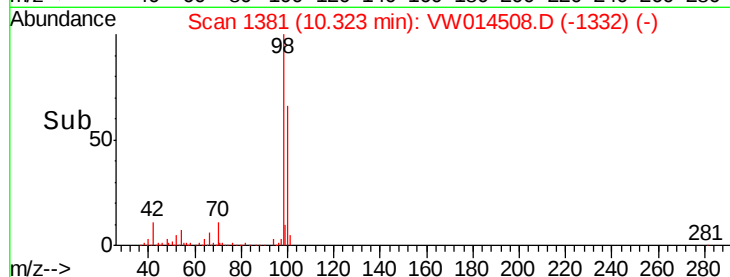
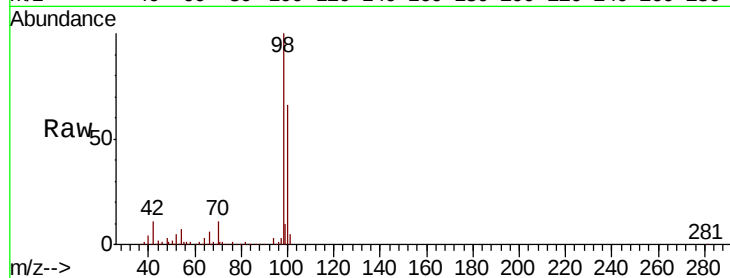
ClientSampleId :

Tot Ion: 98 Resp: 157086

Ion Ratio Lower Upper

98 100

100 65.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 25.409 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

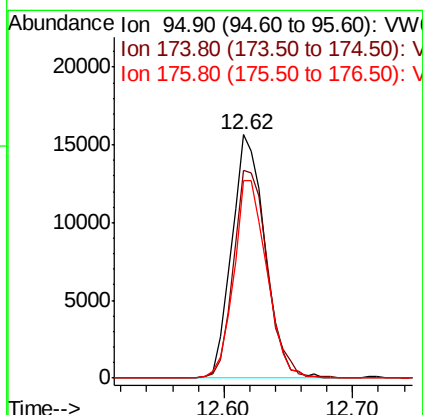
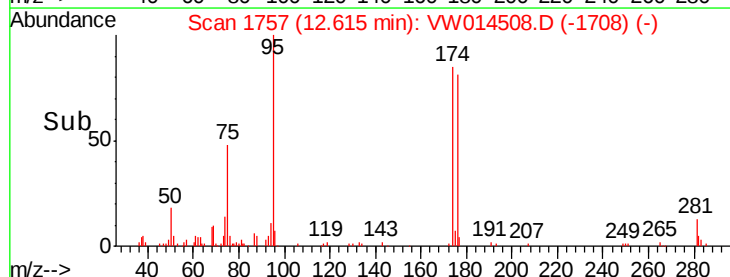
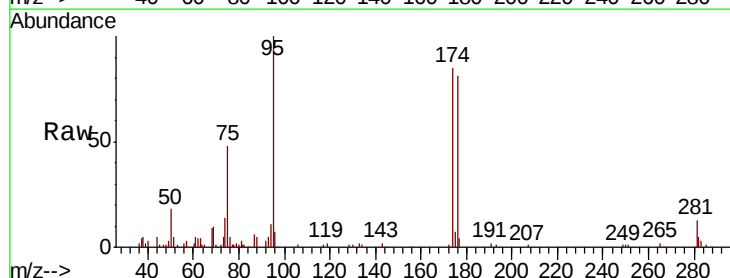
Tgt Ion: 95 Resp: 28002

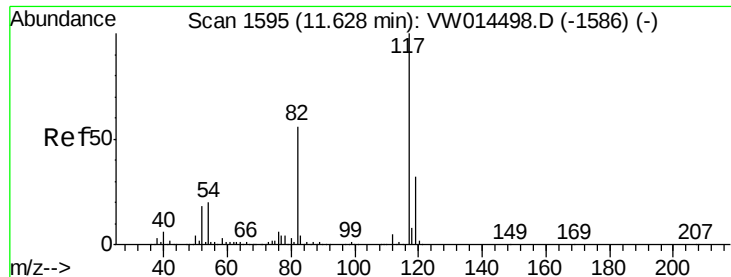
Ion Ratio Lower Upper

95 100

174 87.2 0.0 168.6

176 80.6 0.0 162.0

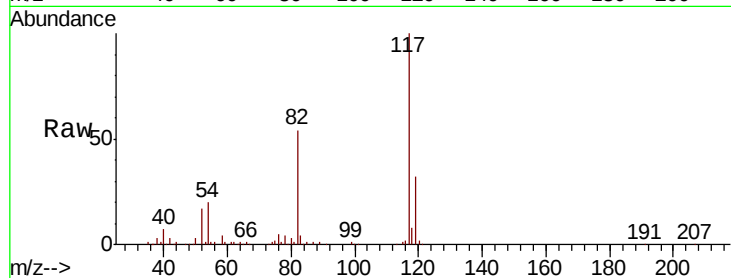




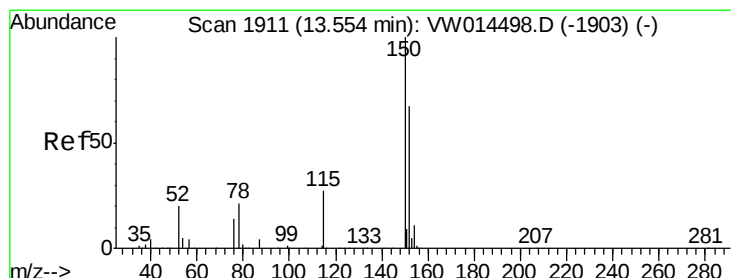
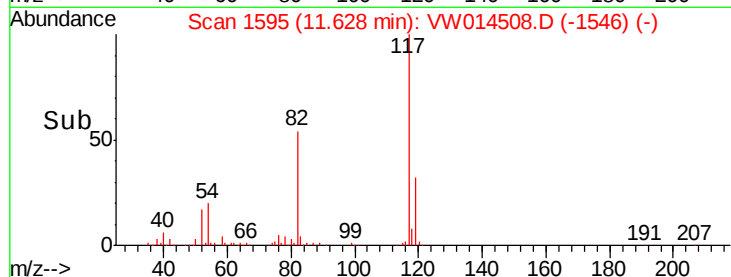
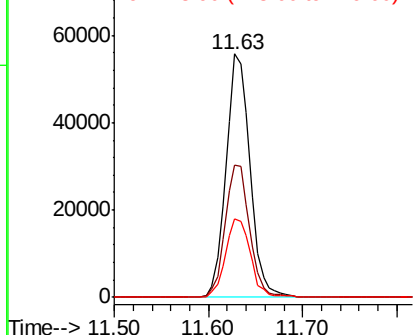
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014508.D
Acq: 03 Jan 2020 19:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 98503
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.1 25.7 38.5

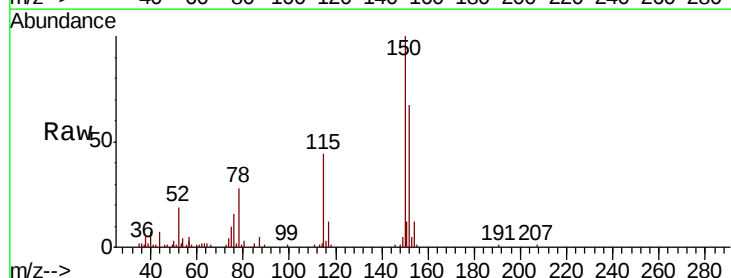


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

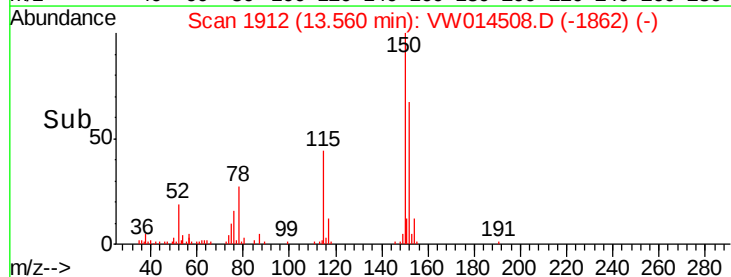
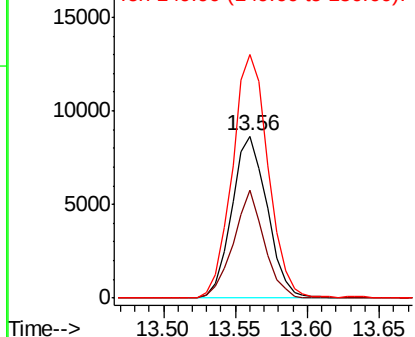


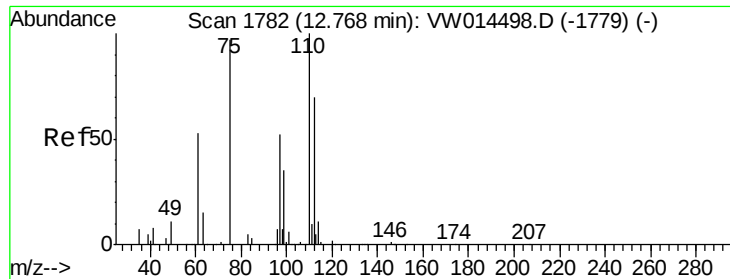
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014508.D
Acq: 03 Jan 2020 19:31

Tgt Ion:152 Resp: 14775
Ion Ratio Lower Upper
152 100
115 58.0 27.7 83.1
150 152.6 0.0 343.4



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: 95.314 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

Instrument :

MSVOA_W

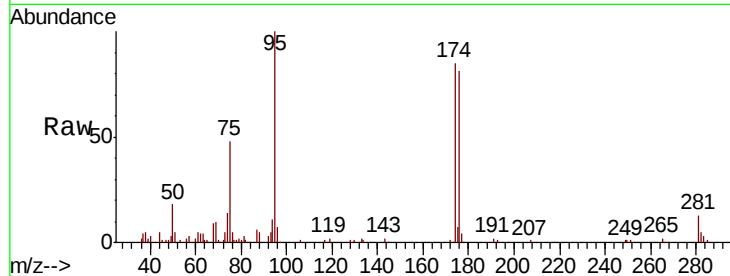
ClientSampleId :

Tot Ion: 75 Resp: 13315

Ion Ratio Lower Upper

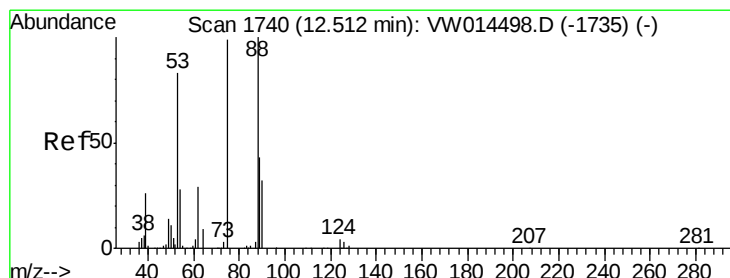
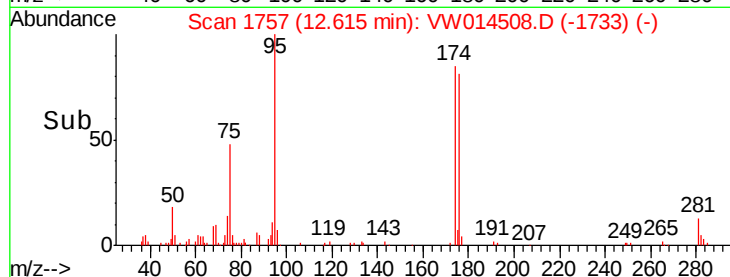
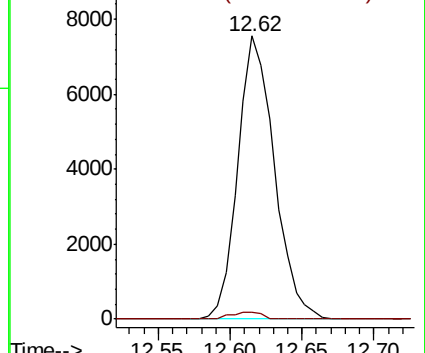
75 100

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: 212.365 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

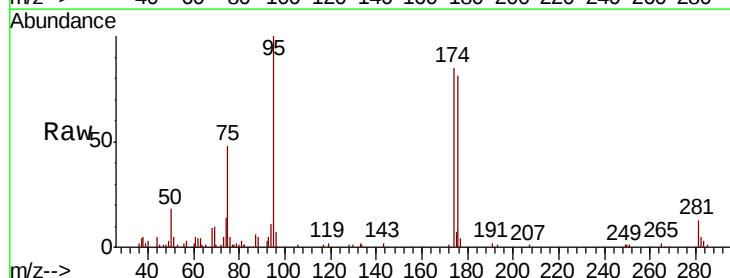
Tgt Ion: 75 Resp: 13315

Ion Ratio Lower Upper

75 100

53 0.5 70.9 106.3#

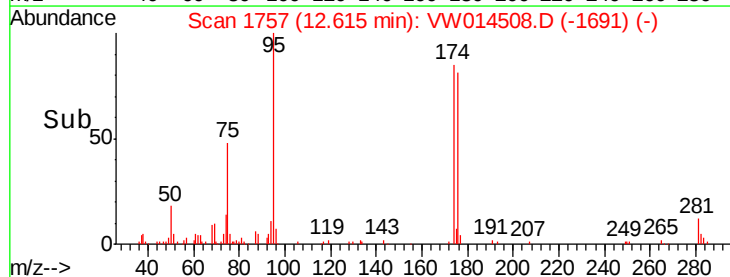
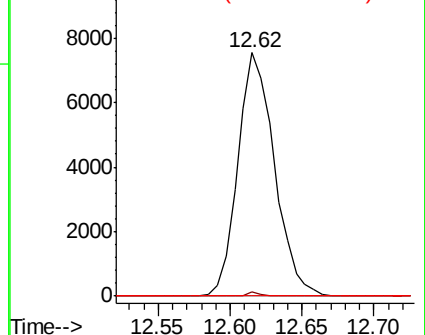
89 0.0 35.8 53.8#

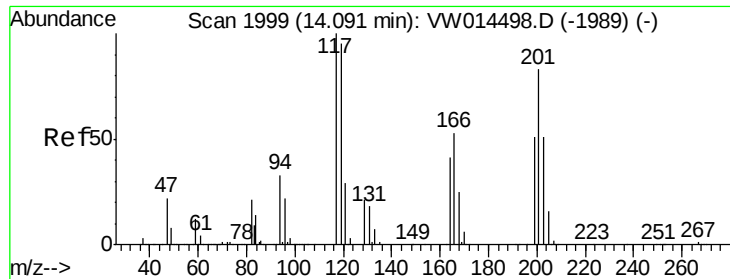


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 1.184 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

Instrument :

MSVOA_W

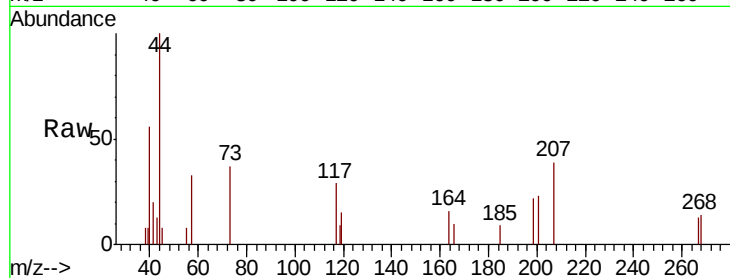
ClientSampled :

Tot Ion: 117 Resp: 208

Ion Ratio Lower Upper

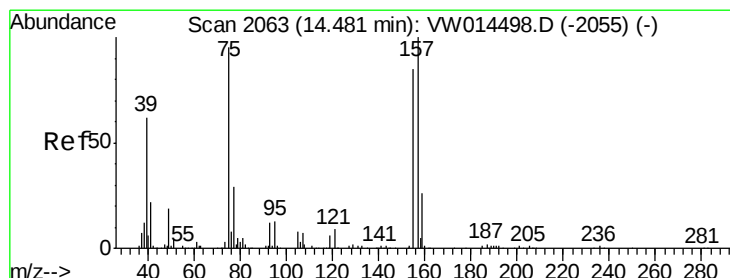
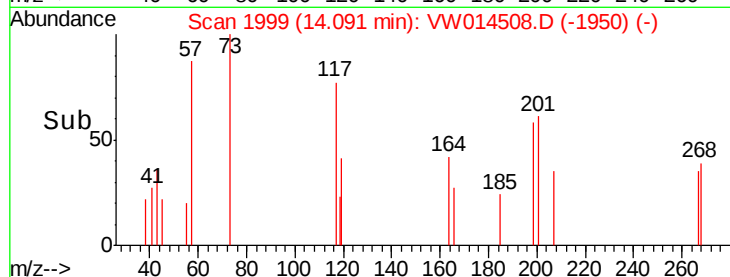
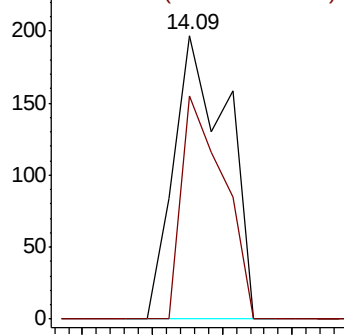
117 100

201 62.5 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.936 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW014508.D

Acq: 03 Jan 2020 19:31

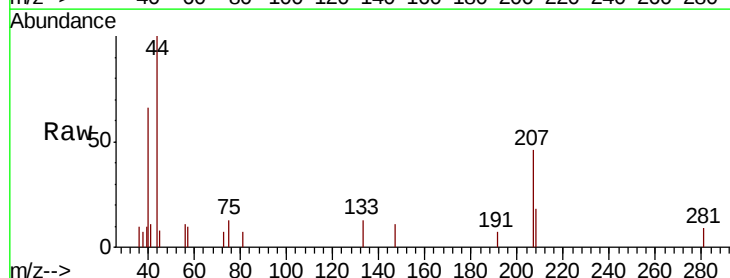
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

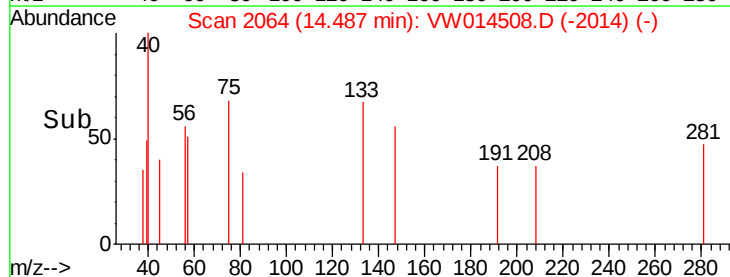
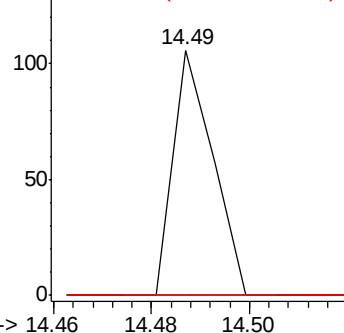
157 0.0 58.1 174.2#

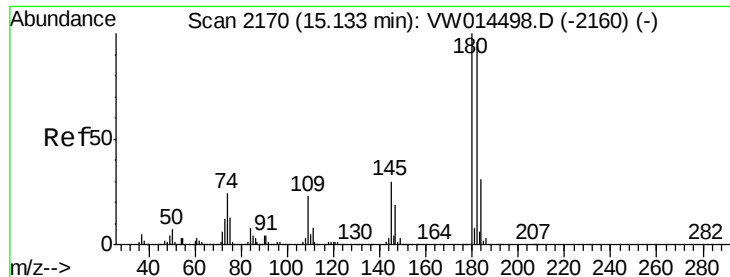


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

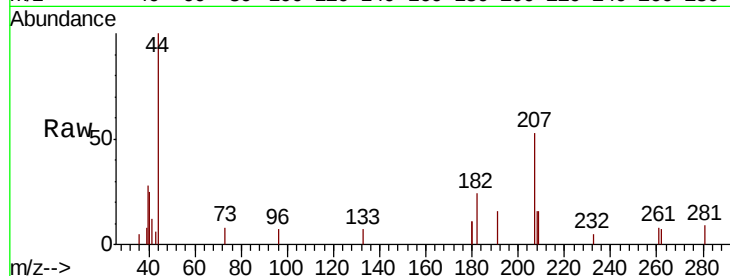




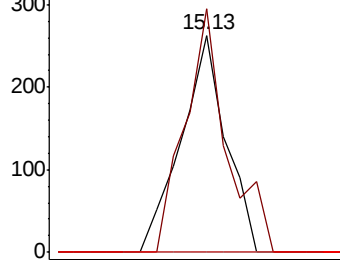
#93
 1,2,4-Trichlorobenzene
 Concen: 1.036 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014508.D
 Acq: 03 Jan 2020 19:31

Instrument :
 MSVOA_W
 ClientSampleId :

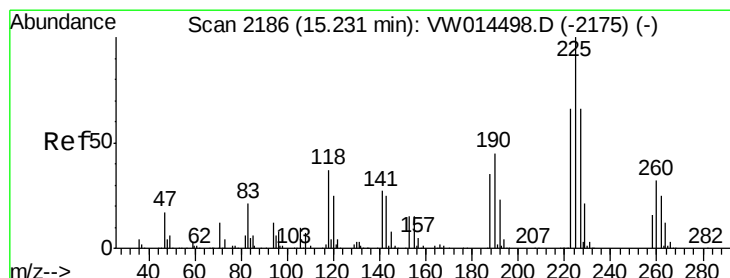
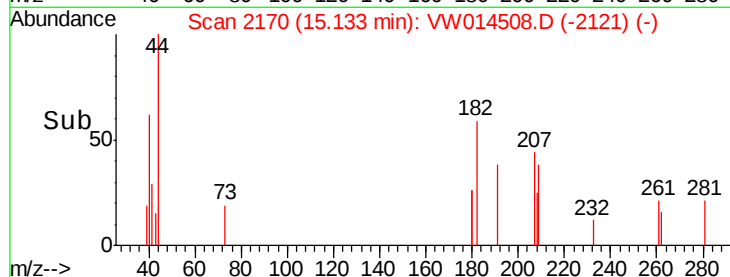
Tot Ion:180 Resp: 301
 Ion Ratio Lower Upper
 180 100
 182 105.0 47.3 141.8
 145 0.0 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

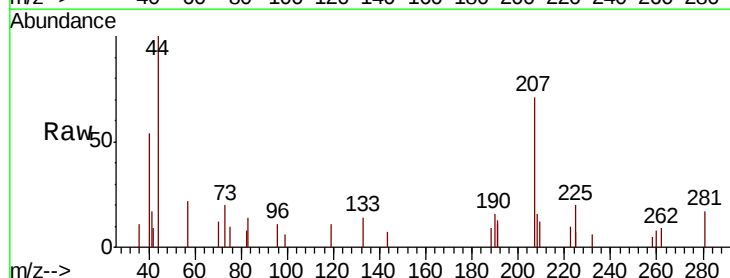


Time-->

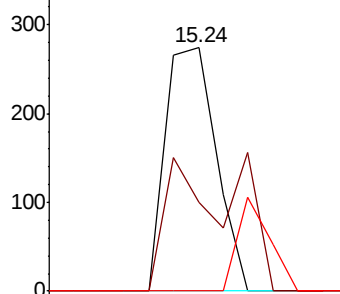


#94
 Hexachlorobutadiene
 Concen: 1.217 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014508.D
 Acq: 03 Jan 2020 19:31

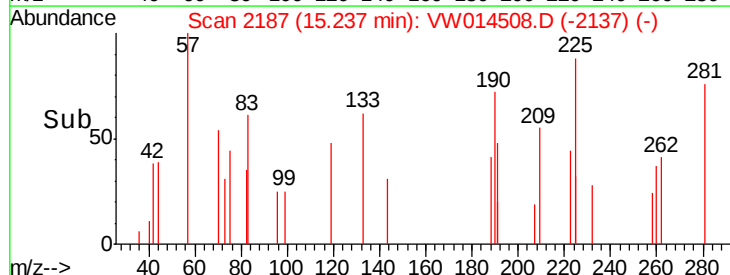
Tgt Ion:225 Resp: 237
 Ion Ratio Lower Upper
 225 100
 223 74.3 32.4 97.2
 227 24.5 32.6 97.8#

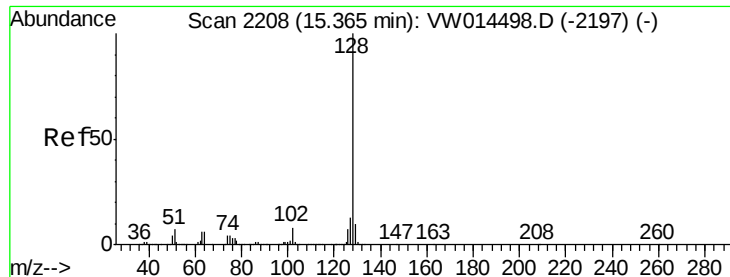


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

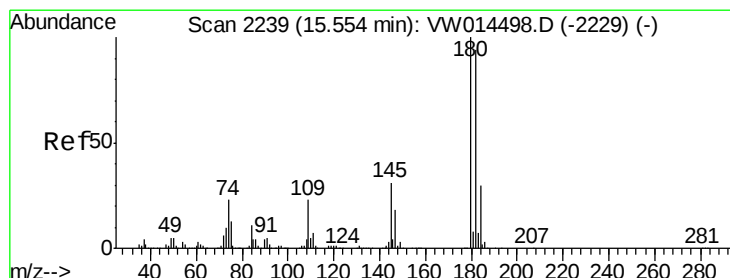
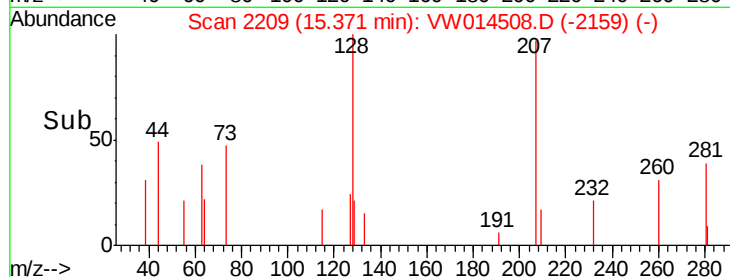
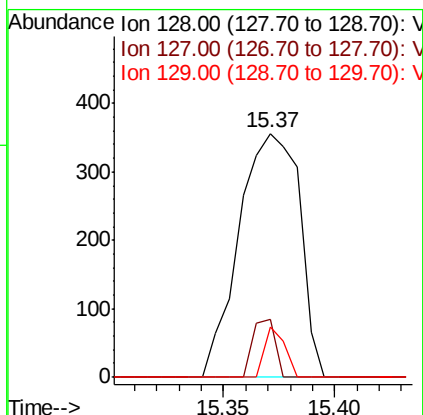
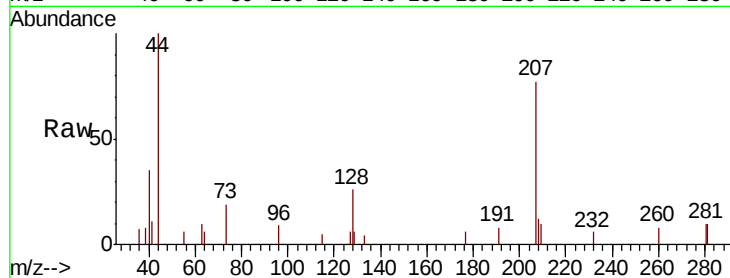




#95
Naphthalene
Concen: 1.352 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW014508.D
Acq: 03 Jan 2020 19:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 670
Ion Ratio Lower Upper
128 100
127 9.0 10.6 15.8#
129 6.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.136 ug/l
RT: 15.55 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VW014508.D
Acq: 03 Jan 2020 19:31

Tgt Ion:180 Resp: 541
Ion Ratio Lower Upper
180 100
182 72.8 47.4 142.2
145 10.5 15.5 46.5#

