

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014509.D
 Acq On : 03 Jan 2020 19:57
 Operator : SY/VA
 Sample : L1011-07
 Misc : 7.15G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:46:15 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	672112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1056146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	787881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	284988	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	363426	61.85	ug/l	0.00
Spiked Amount			Recovery	=	123.70%	
35) Dibromofluoromethane	7.88	113	360635	59.75	ug/l	0.00
Spiked Amount			Recovery	=	119.50%	
50) Toluene-d8	10.32	98	1327819	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.62	95	359094	42.03	ug/l	0.00
Spiked Amount			Recovery	=	84.06%	

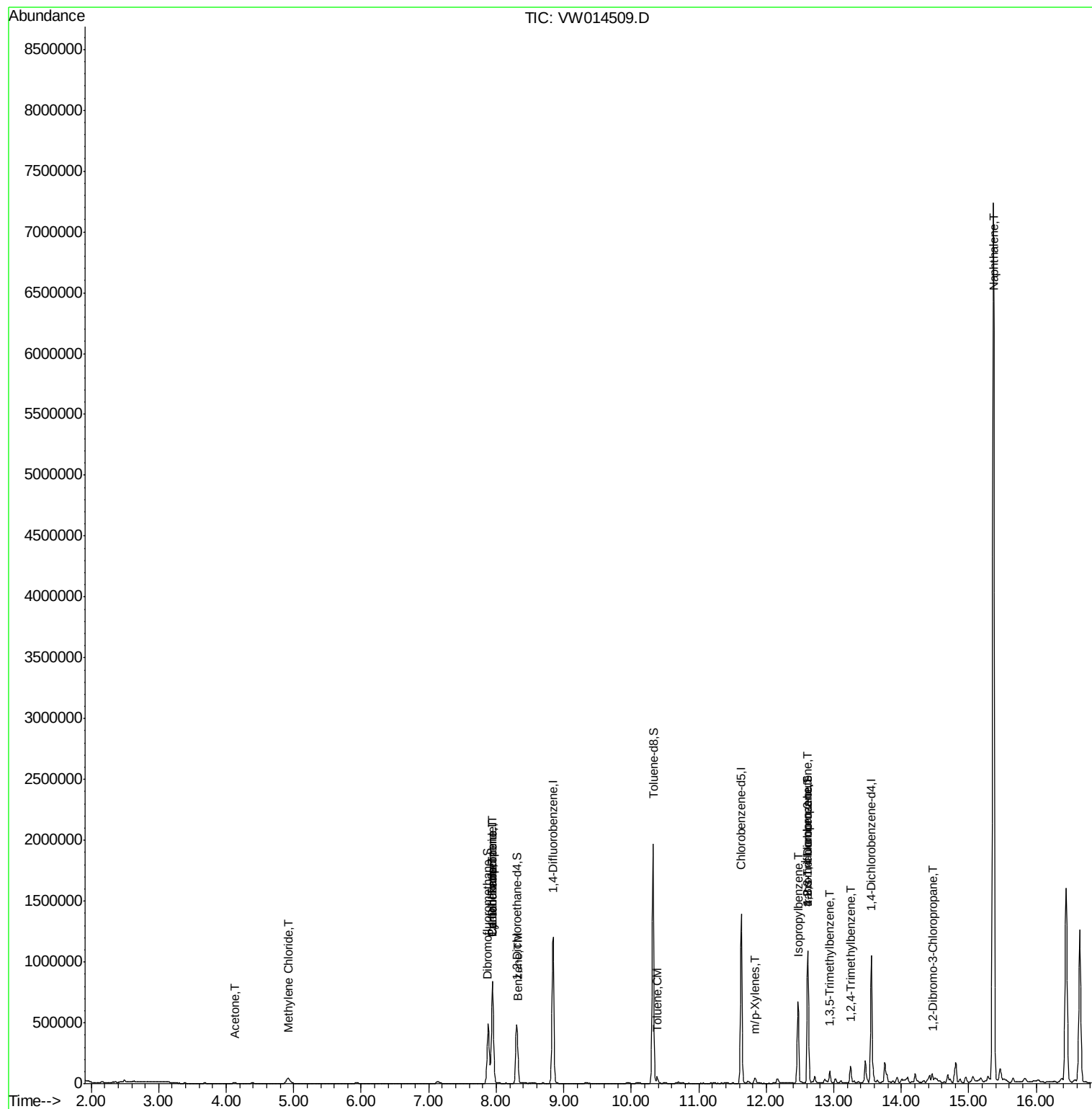
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	404	Below Cal	#	73
16) Acetone	4.12	43	9566	5.765	ug/l	92
20) Methylene Chloride	4.92	84	42072	1.925	ug/l	94
31) Cyclohexane	7.94	56	13644	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	47587	4.674	ug/l #	49
38) Carbon Tetrachloride	7.95	117	59376	6.722	ug/l #	17
40) Benzene	8.32	78	36028	1.251	ug/l	92
52) Toluene	10.38	92	22275	1.229	ug/l	100
68) m/p-Xylenes	11.83	106	13672	1.228	ug/l	94
73) Isopropylbenzene	12.47	105	35538	1.699	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	172220	63.915	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	51428	2.929	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	172220	142.405	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	73111	4.184	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.47	75	1151	1.926	ug/l #	1
95) Naphthalene	15.36	128	6276593	656.549	ug/l	100

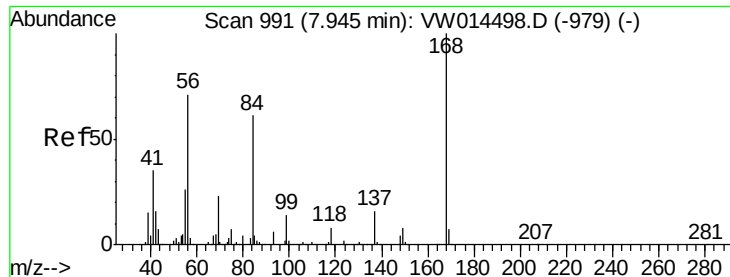
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014509.D

Acq: 03 Jan 2020 19:57

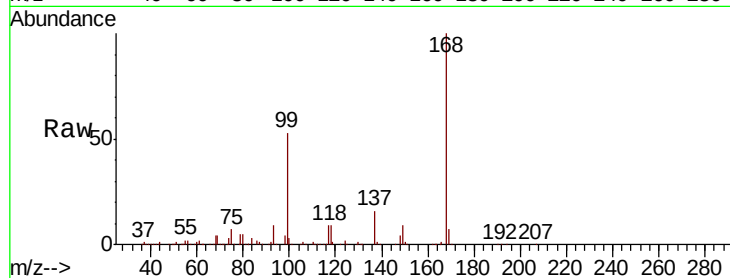
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 672112

Ion Ratio Lower Upper

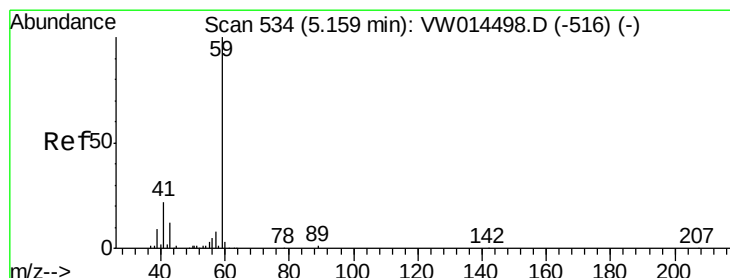
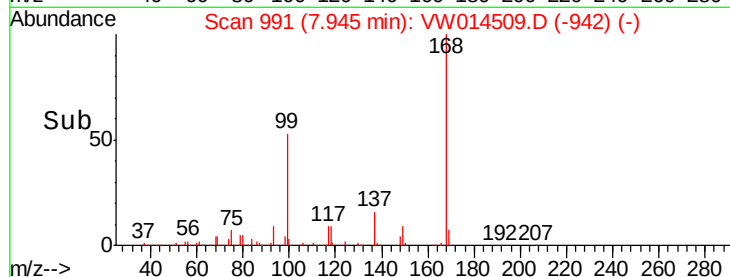
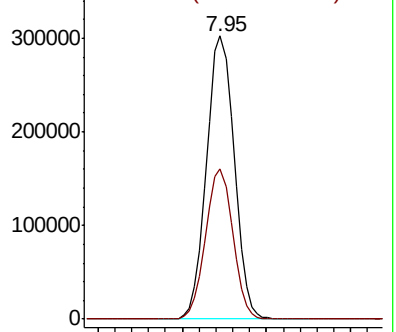
168 100

99 53.2 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: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014509.D

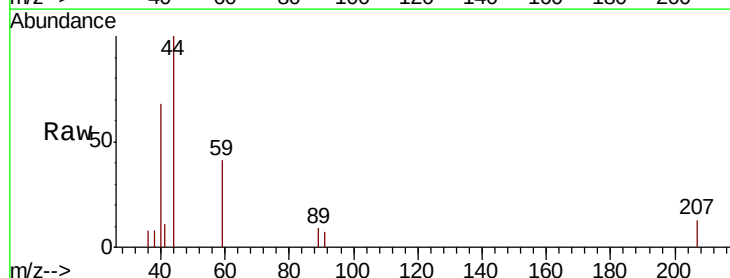
Acq: 03 Jan 2020 19:57

Tgt Ion: 59 Resp: 404

Ion Ratio Lower Upper

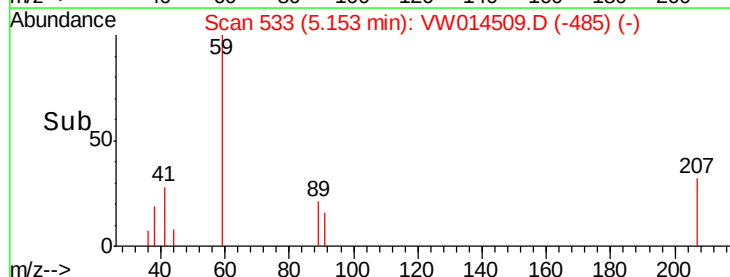
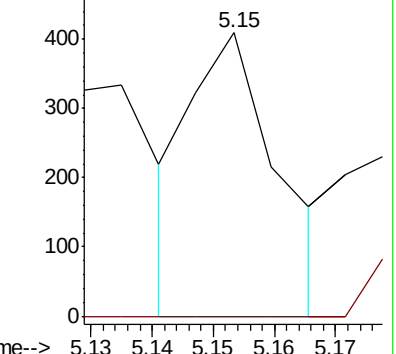
59 100

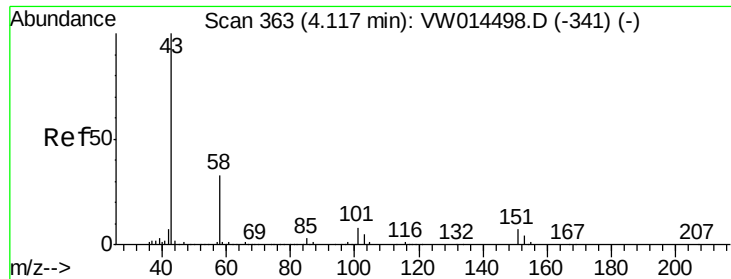
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

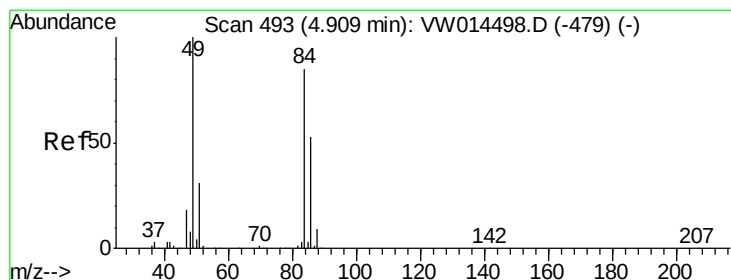
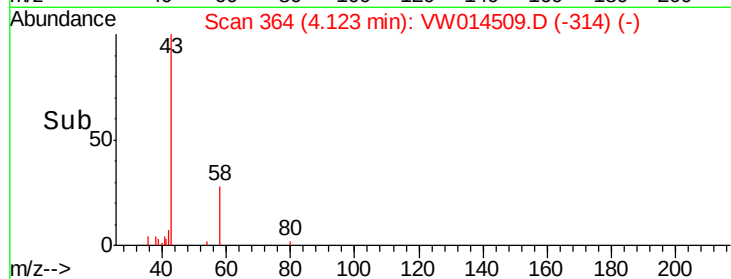
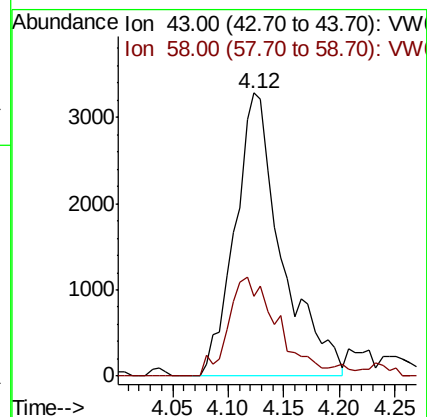
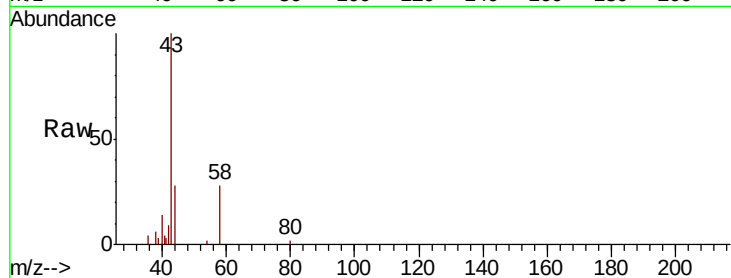




#16
Acetone
Concen: 5.765 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

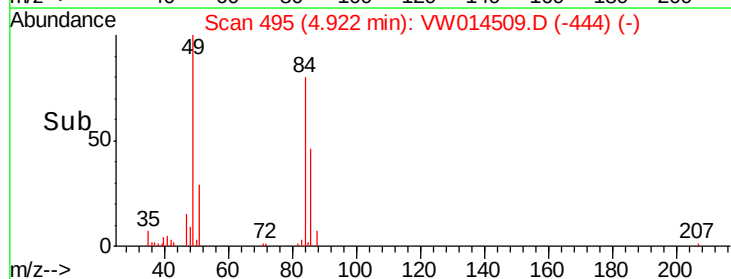
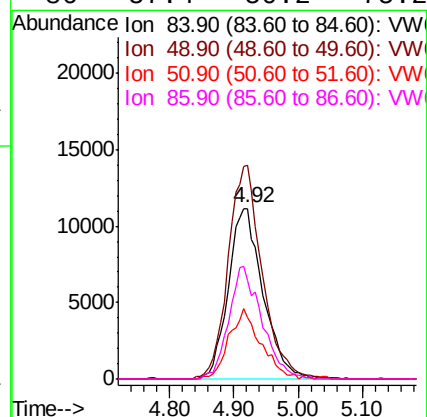
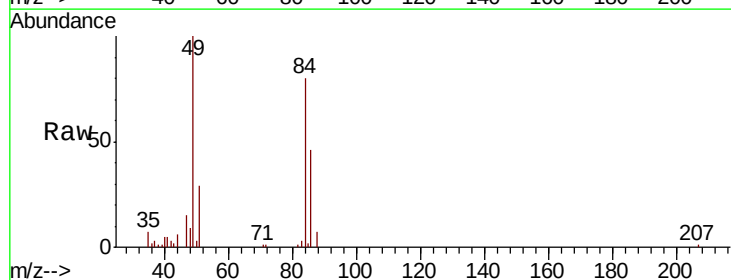
Instrument :
MSVOA_W
ClientSampleId :

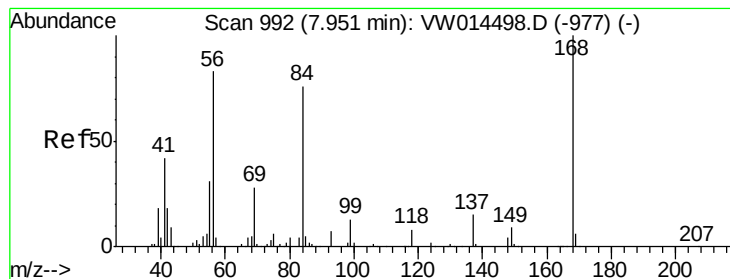
Tot Ion: 43 Resp: 9566
Ion Ratio Lower Upper
43 100
58 28.4 26.6 39.8



#20
Methylene Chloride
Concen: 1.925 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

Tgt Ion: 84 Resp: 42072
Ion Ratio Lower Upper
84 100
49 125.1 94.4 141.6
51 36.2 29.5 44.3
86 57.4 50.2 75.2





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

Instrument :

MSVOA_W

ClientSampled :

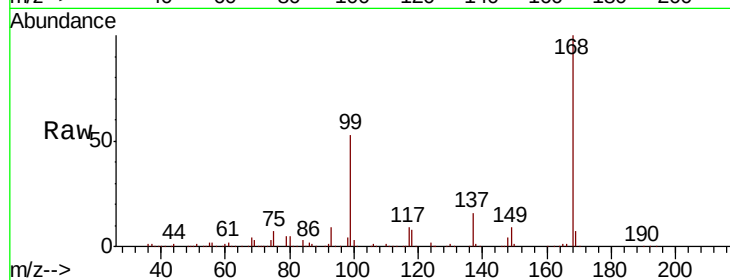
Tot Ion: 56 Resp: 13644

Ion Ratio Lower Upper

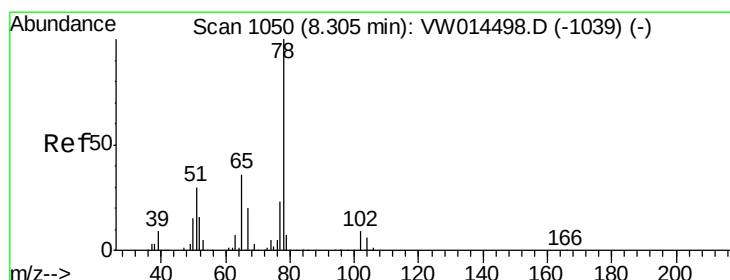
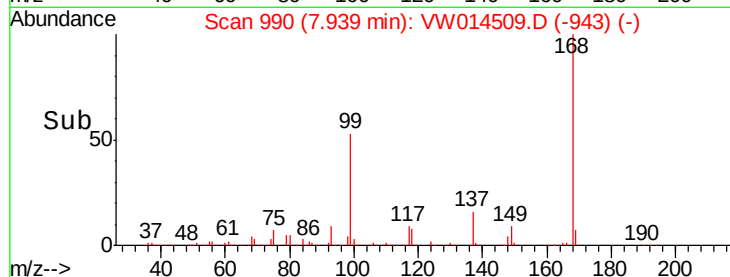
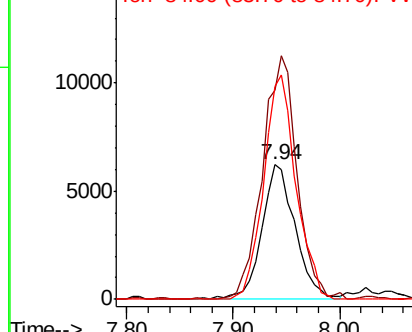
56 100

69 155.8 26.8 40.2#

84 158.3 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: 61.845 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014509.D

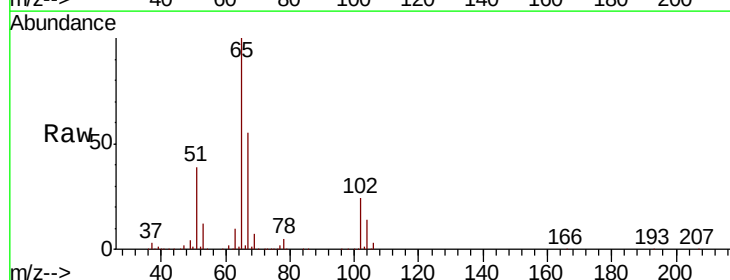
Acq: 03 Jan 2020 19:57

Tgt Ion: 65 Resp: 363426

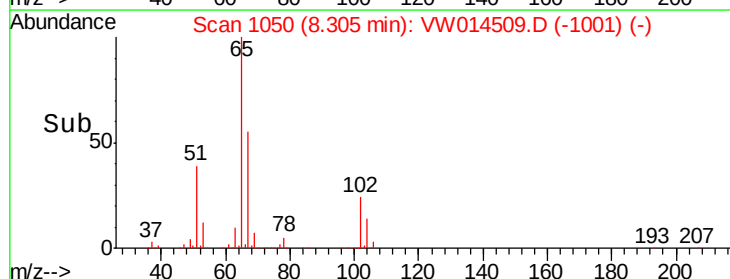
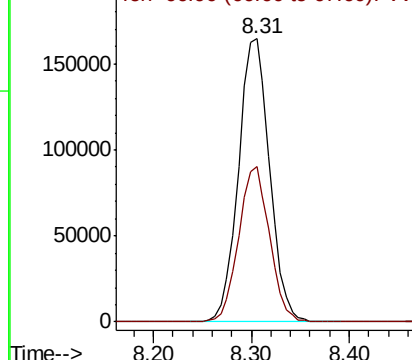
Ion Ratio Lower Upper

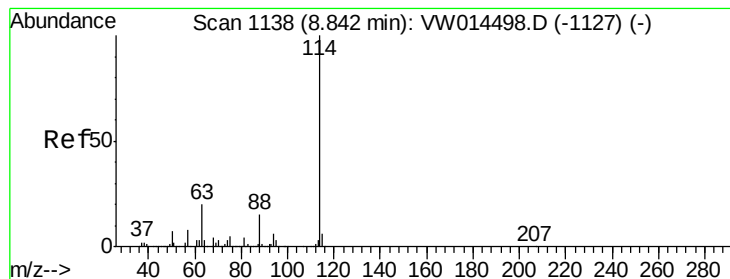
65 100

67 54.4 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: VW014509.D

Acq: 03 Jan 2020 19:57

Instrument :

MSVOA_W

ClientSampleId :

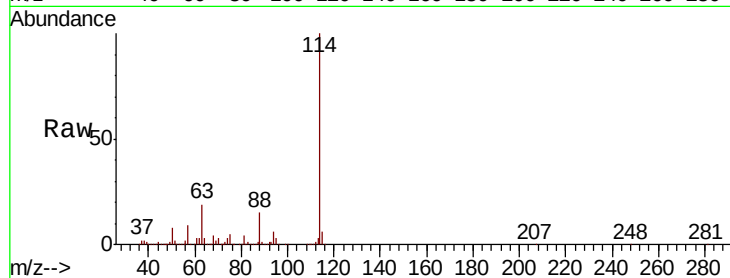
Tot Ion:114 Resp: 1056146

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.4

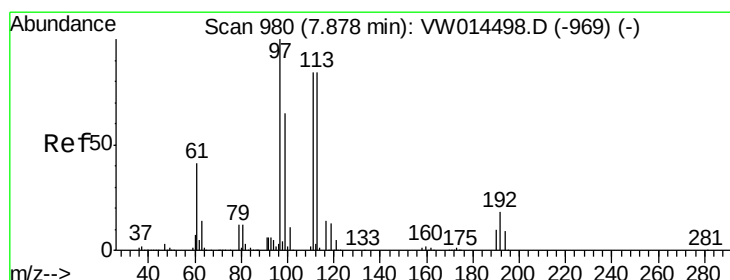
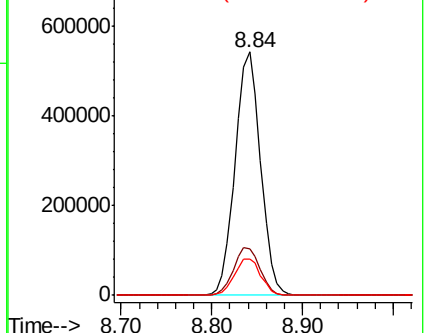
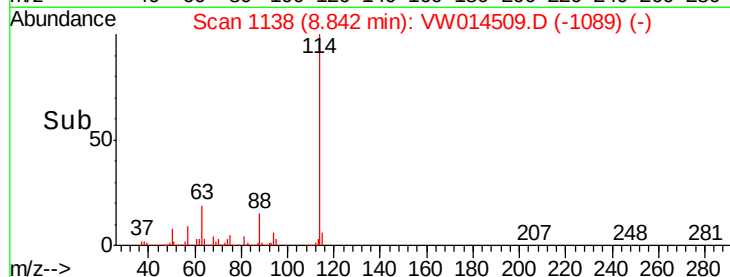
88 15.0 0.0 30.6



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: 59.747 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

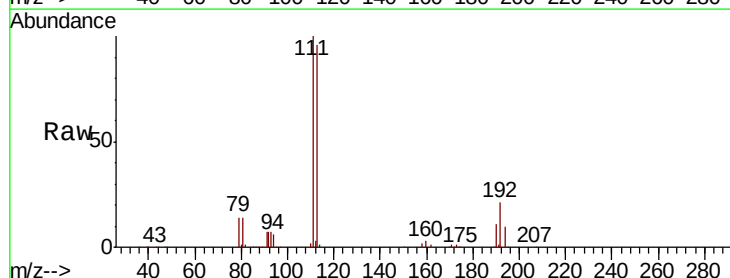
Tgt Ion:113 Resp: 360635

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

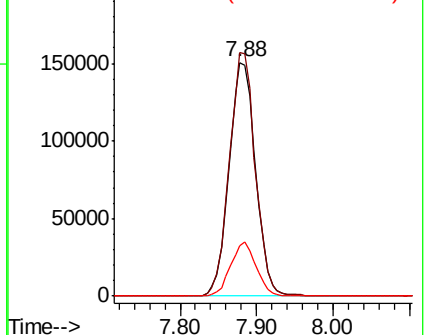
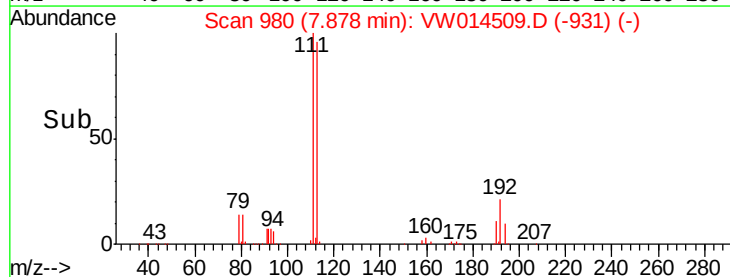
192 22.2 17.8 26.8

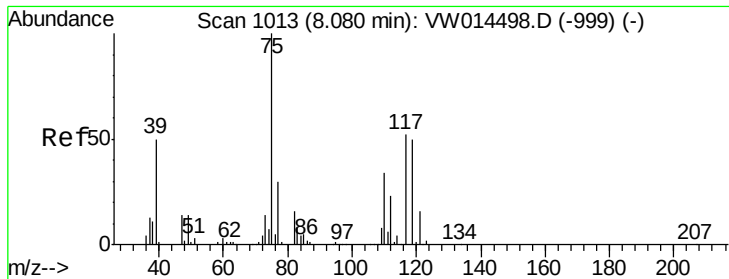


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

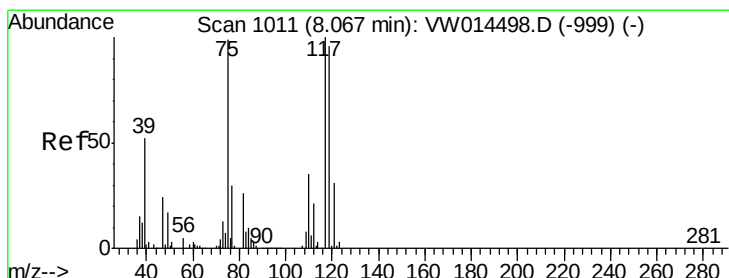
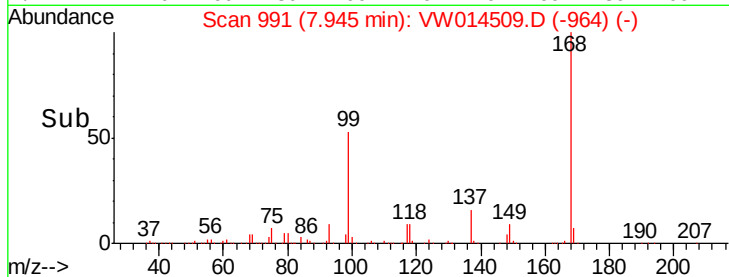
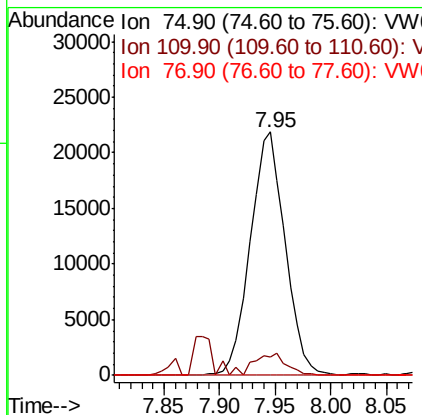
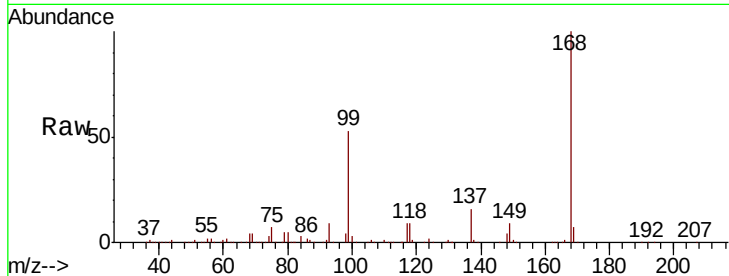




#36
 1,1-Dichloropropene
 Concen: 4.674 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014509.D
 Acq: 03 Jan 2020 19:57

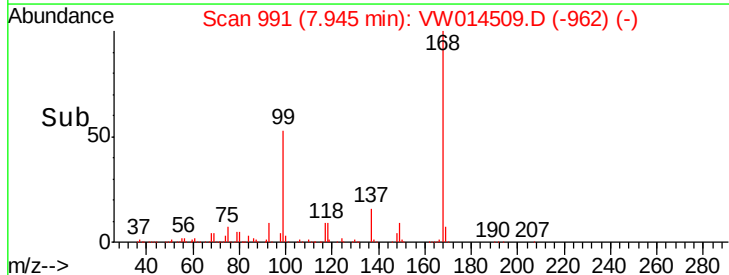
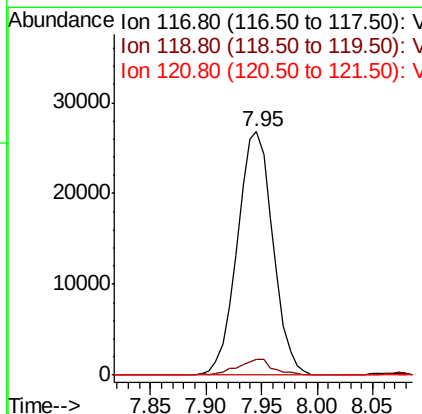
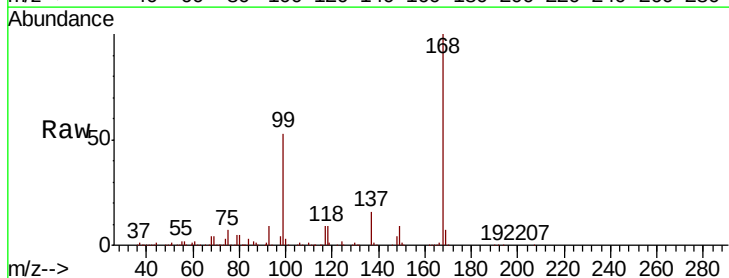
Instrument :
 MSVOA_W
 ClientSampled :

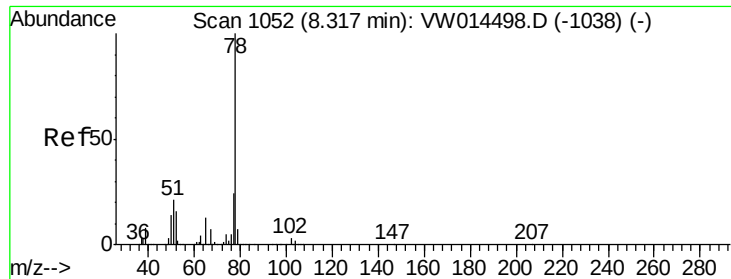
Tot Ion	75	Resp	47587
Ion Ratio	Lower	Upper	
75	100		
110	8.1	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.722 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014509.D
 Acq: 03 Jan 2020 19:57

Tgt Ion	117	Resp	59376
Ion Ratio	Lower	Upper	
117	100		
119	6.3	77.0	115.6#
121	0.0	24.6	36.8#





#40

Benzene

Concen: 1.251 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

Instrument :

MSVOA_W

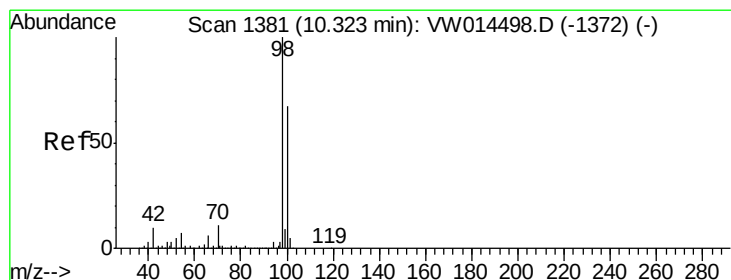
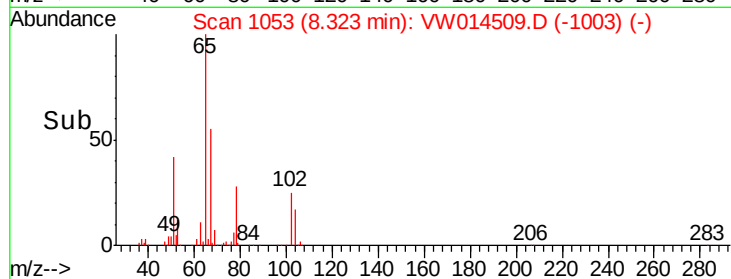
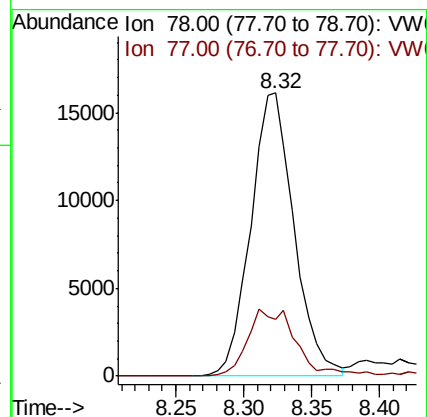
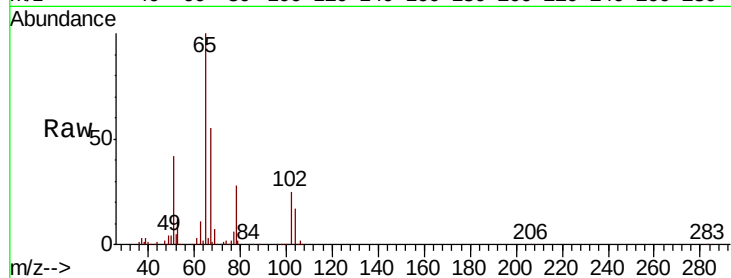
ClientSampleId :

Tot Ion: 78 Resp: 36028

Ion Ratio Lower Upper

78 100

77 20.0 19.3 28.9



#50

Toluene-d8

Concen: 52.712 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014509.D

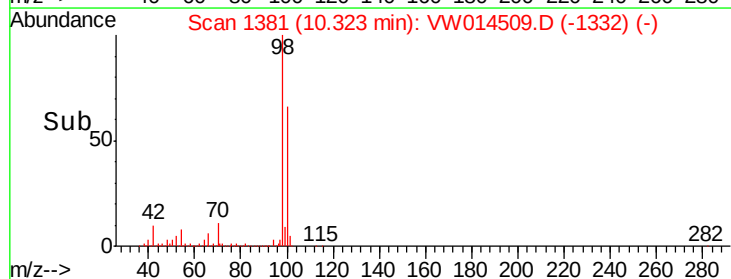
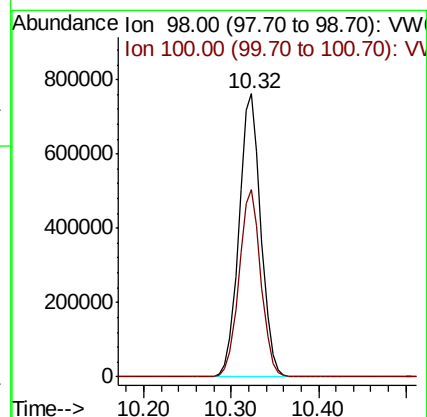
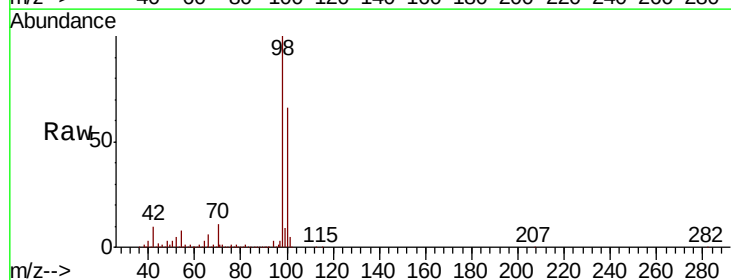
Acq: 03 Jan 2020 19:57

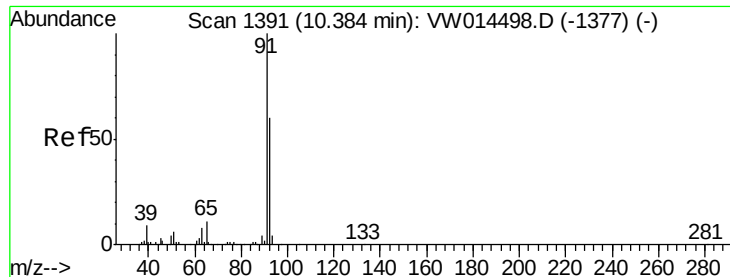
Tgt Ion: 98 Resp: 1327819

Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6





#52

Toluene

Concen: 1.229 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

Instrument :

MSVOA_W

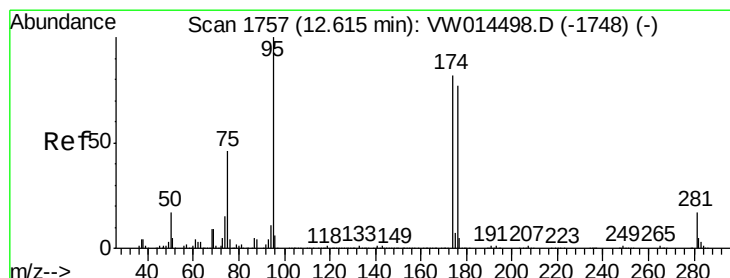
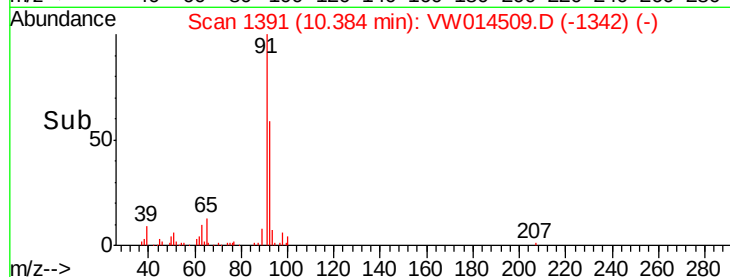
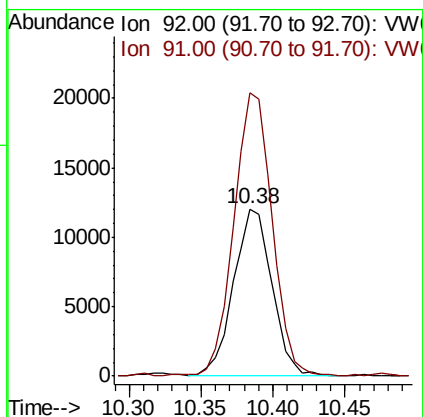
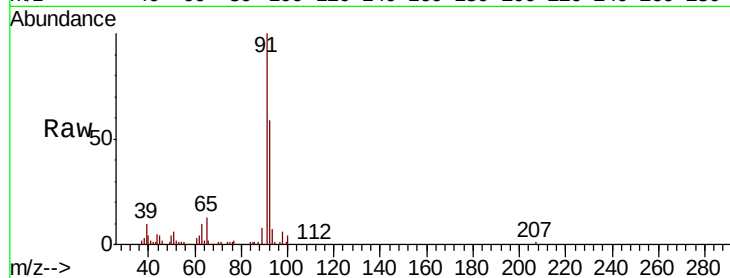
ClientSampleId :

Tot Ion: 92 Resp: 22275

Ion Ratio Lower Upper

92 100

91 167.6 134.1 201.1



#62

4-Bromofluorobenzene

Concen: 42.028 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

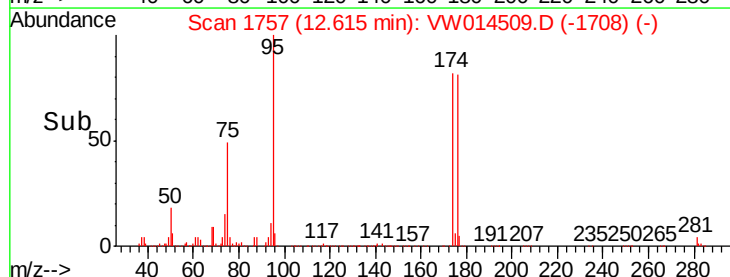
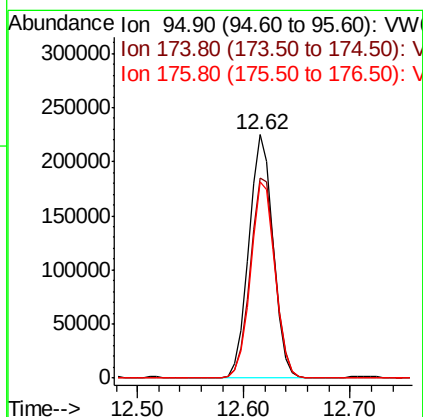
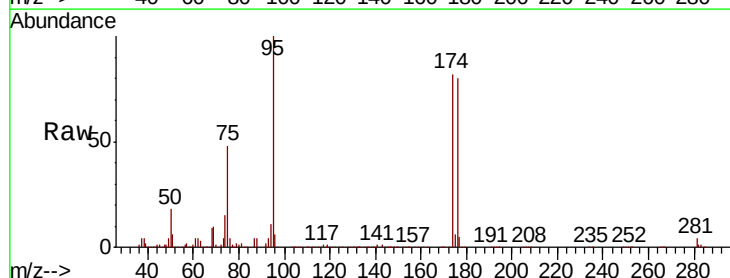
Tgt Ion: 95 Resp: 359094

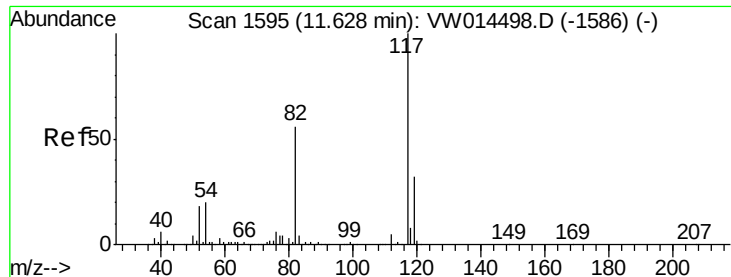
Ion Ratio Lower Upper

95 100

174 84.9 0.0 168.6

176 81.1 0.0 162.0

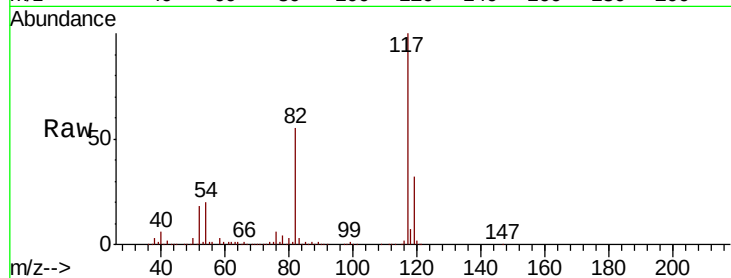




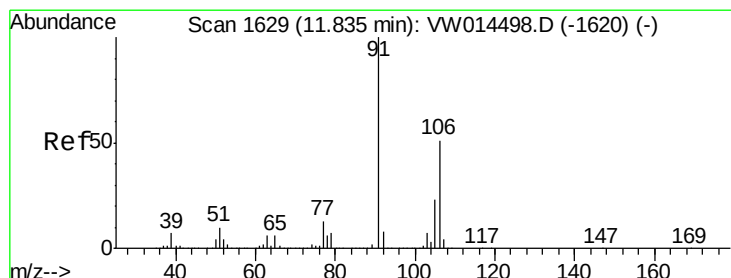
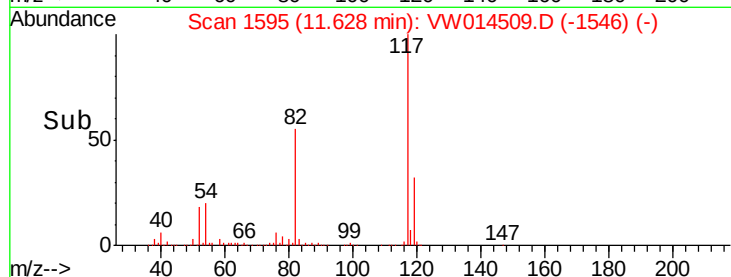
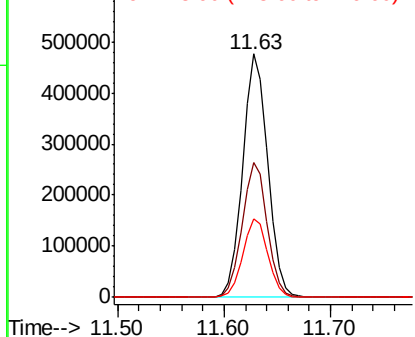
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 787881
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.5 25.7 38.5

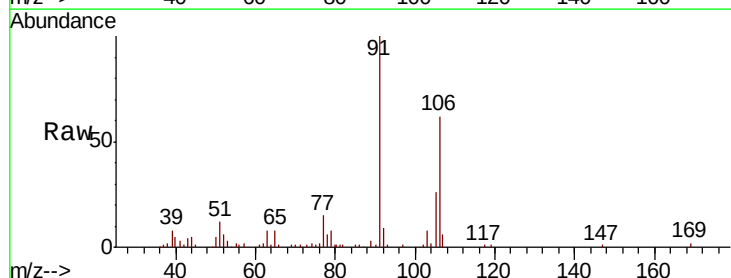


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

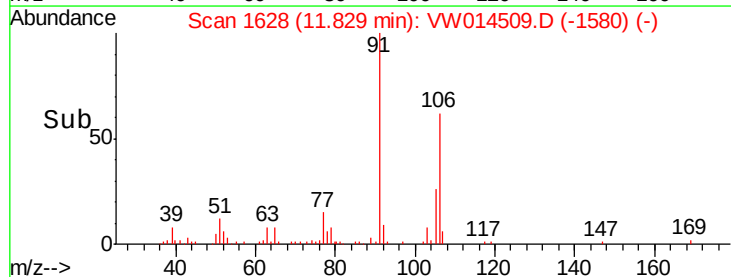
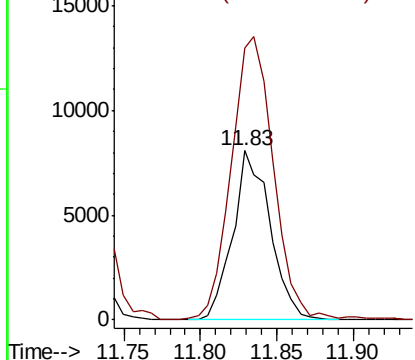


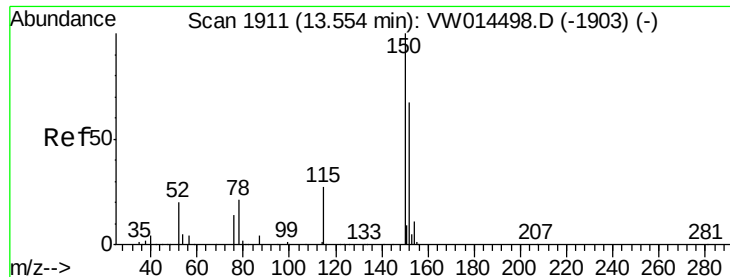
#68
m/p-Xylenes
Concen: 1.228 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

Tgt Ion:106 Resp: 13672
Ion Ratio Lower Upper
106 100
91 190.3 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



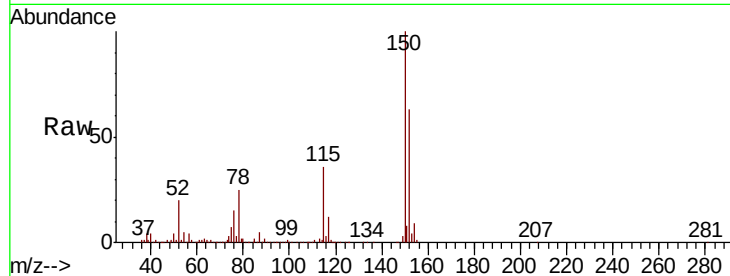


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.7	83.1
150	154.4	0.0	343.4

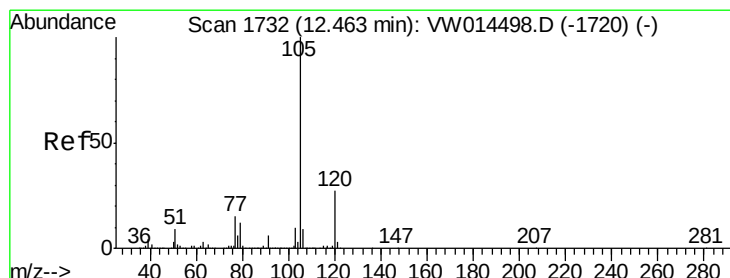
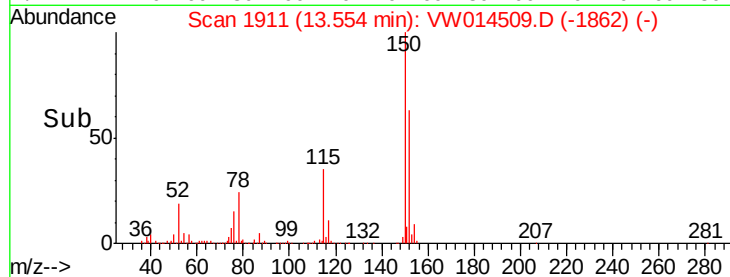
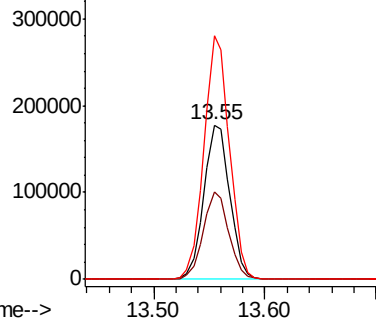


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

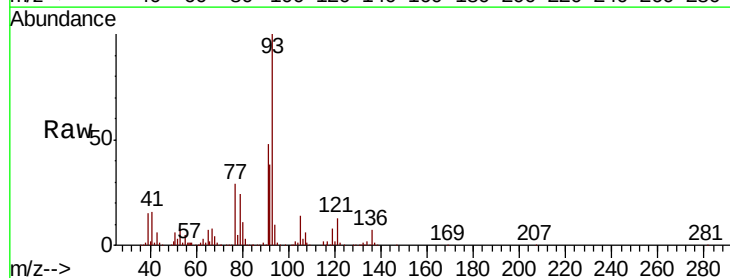
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 1.699 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

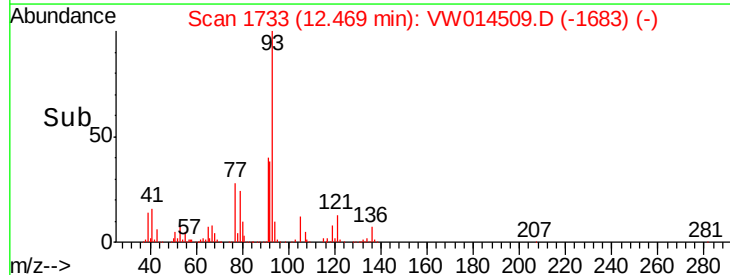
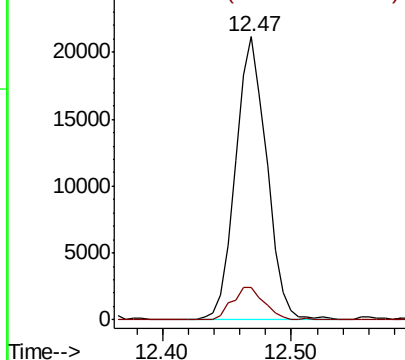
Tgt Ion	Ratio	Lower	Upper
105	100		
120	11.9	13.4	40.1

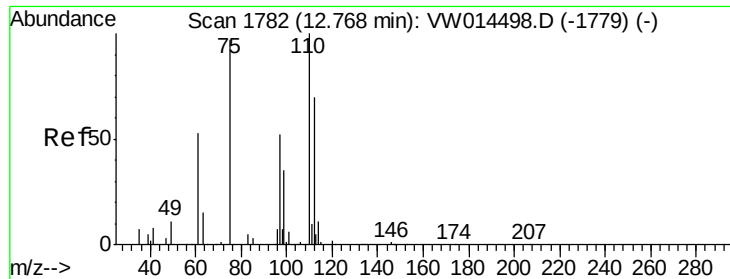


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



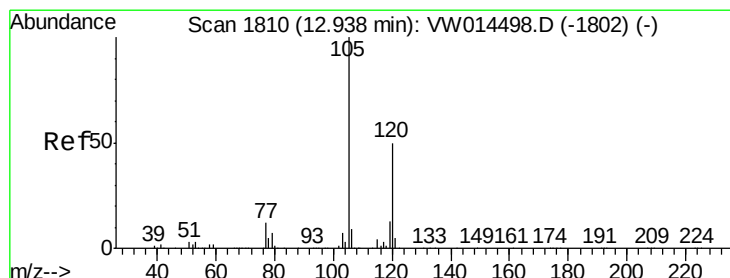
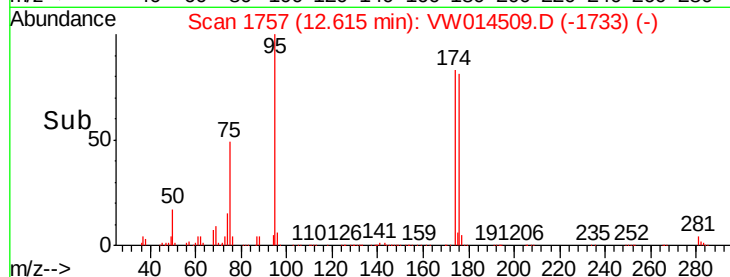
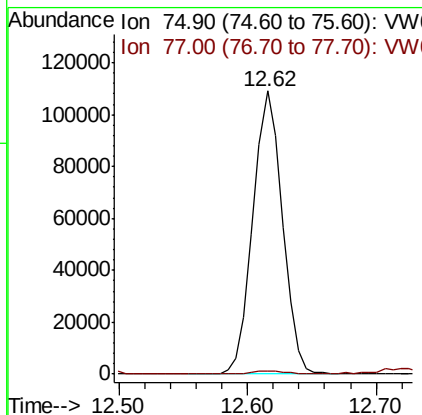
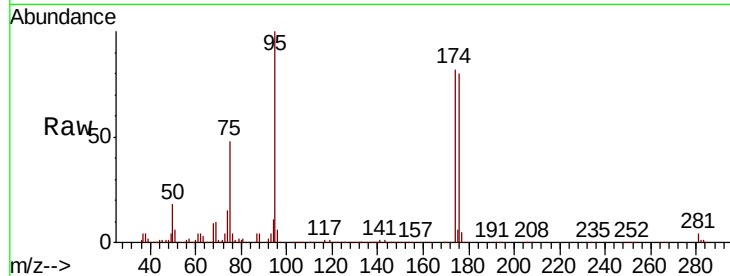


#76

1,2,3-Trichloropropane
Concen: 63.915 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

Instrument :
MSVOA_W
ClientSampleId :

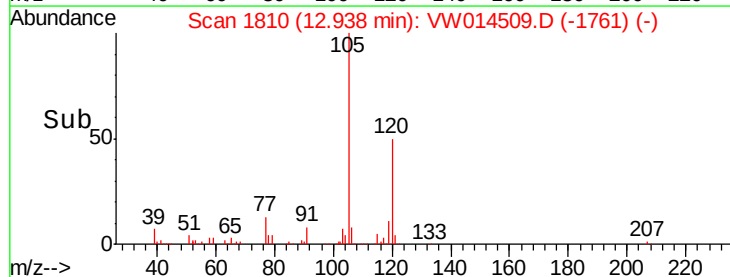
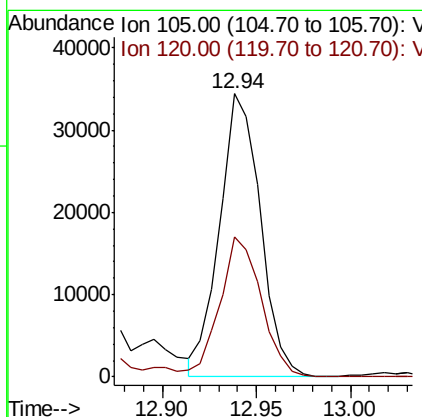
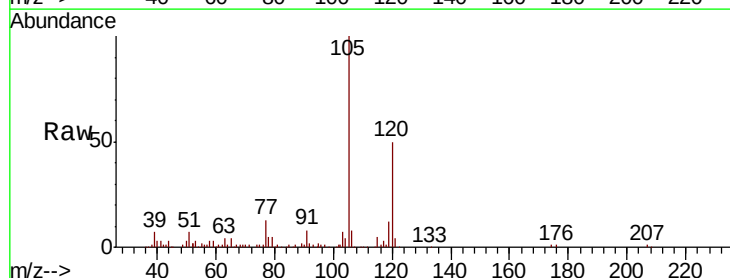
Tot Ion: 75 Resp: 172220
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

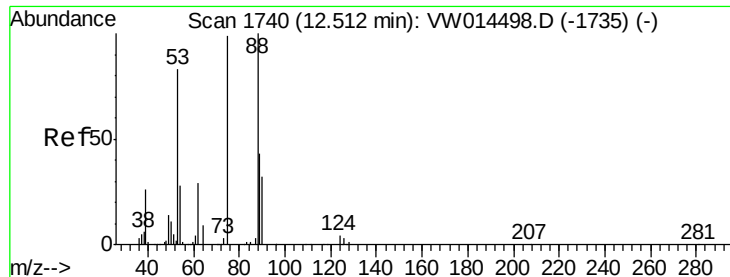


#80

1,3,5-Trimethylbenzene
Concen: 2.929 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW014509.D
Acq: 03 Jan 2020 19:57

Tgt Ion: 105 Resp: 51428
Ion Ratio Lower Upper
105 100
120 50.5 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 142.405 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

Instrument :

MSVOA_W

ClientSampled :

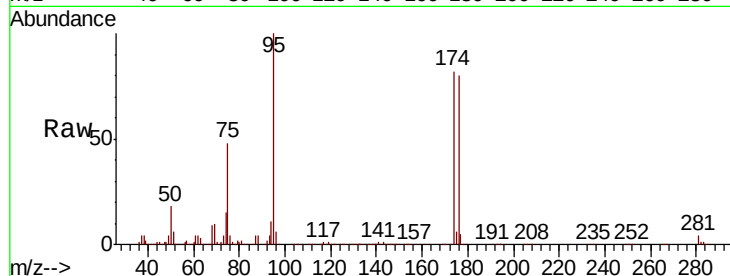
Tot Ion: 75 Resp: 172220

Ion Ratio Lower Upper

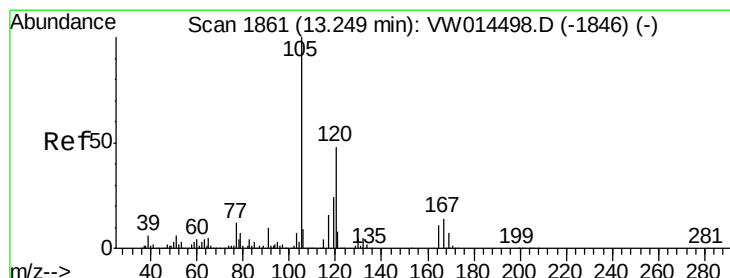
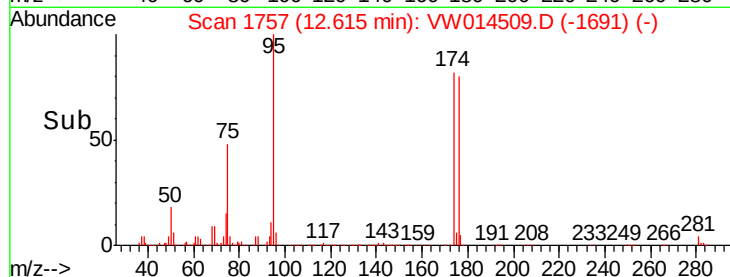
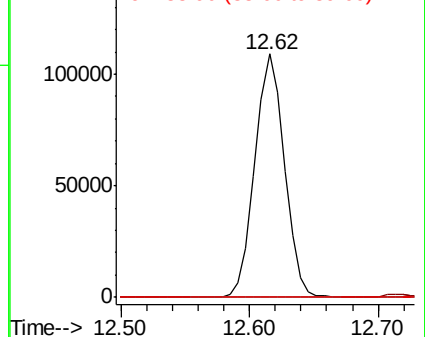
75 100

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: 4.184 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014509.D

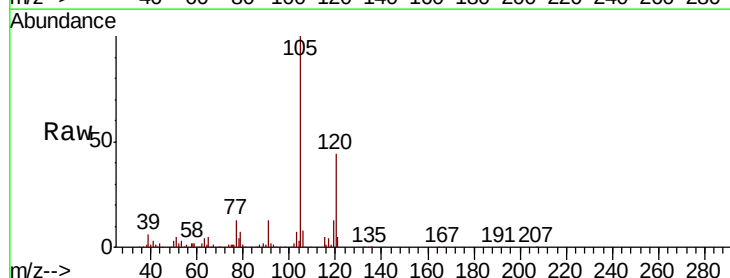
Acq: 03 Jan 2020 19:57

Tgt Ion: 105 Resp: 73111

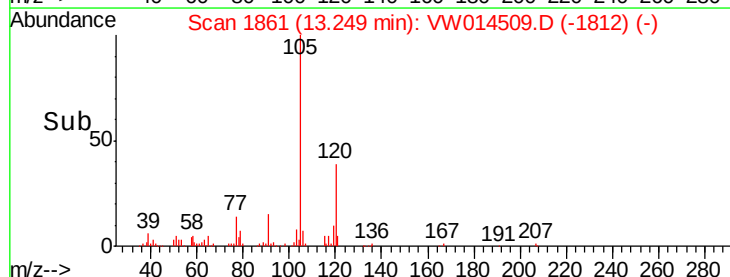
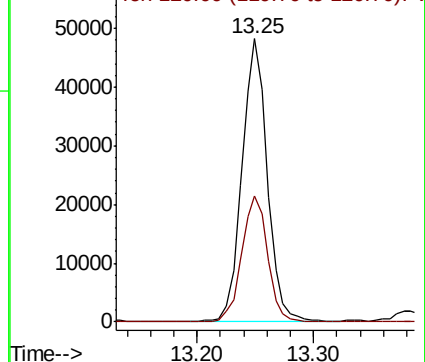
Ion Ratio Lower Upper

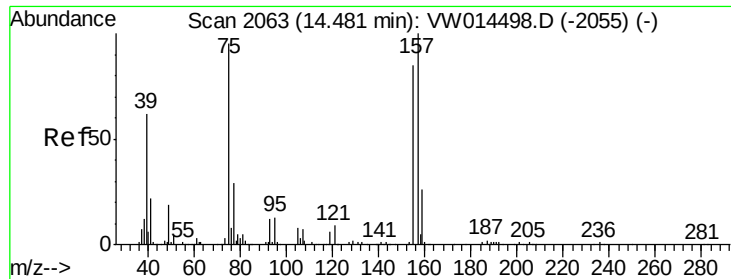
105 100

120 45.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.926 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.01 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

Instrument :

MSVOA_W

ClientSampleId :

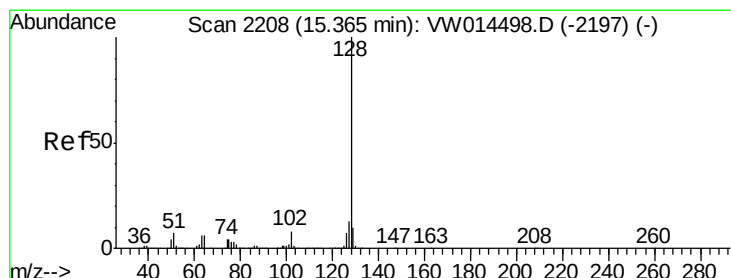
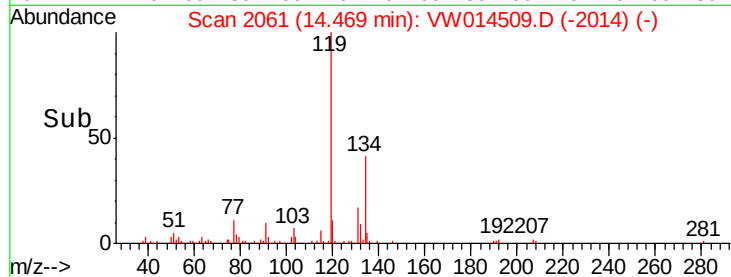
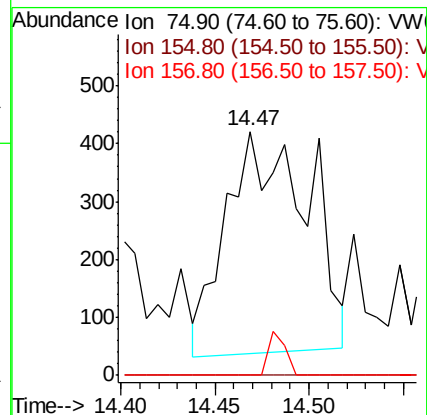
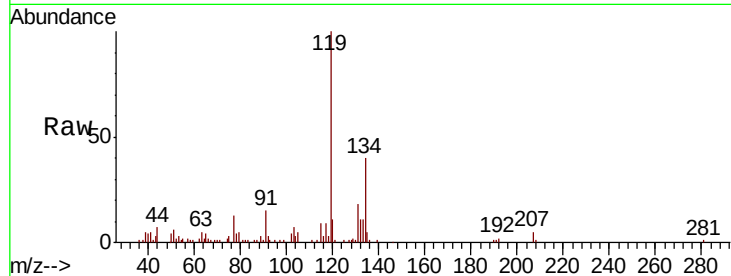
Tot Ion: 75 Resp: 1151

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 4.0 58.1 174.2#



#95

Naphthalene

Concen: 656.549 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014509.D

Acq: 03 Jan 2020 19:57

Tgt Ion: 128 Resp: 6276593

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.0 8.7 13.1

