

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014510.D
 Acq On : 03 Jan 2020 20:23
 Operator : SY/VA
 Sample : K6482-01
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:46:27 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	86895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	91909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11438	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	47524	62.55	ug/l	0.00
Spiked Amount			Recovery	=	125.10%	
35) Dibromofluoromethane	7.88	113	47258	65.82	ug/l	0.00
Spiked Amount			Recovery	=	131.64%	
50) Toluene-d8	10.32	98	136755	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
62) 4-Bromofluorobenzene	12.62	95	22129	21.77	ug/l	0.00
Spiked Amount			Recovery	=	43.54%	

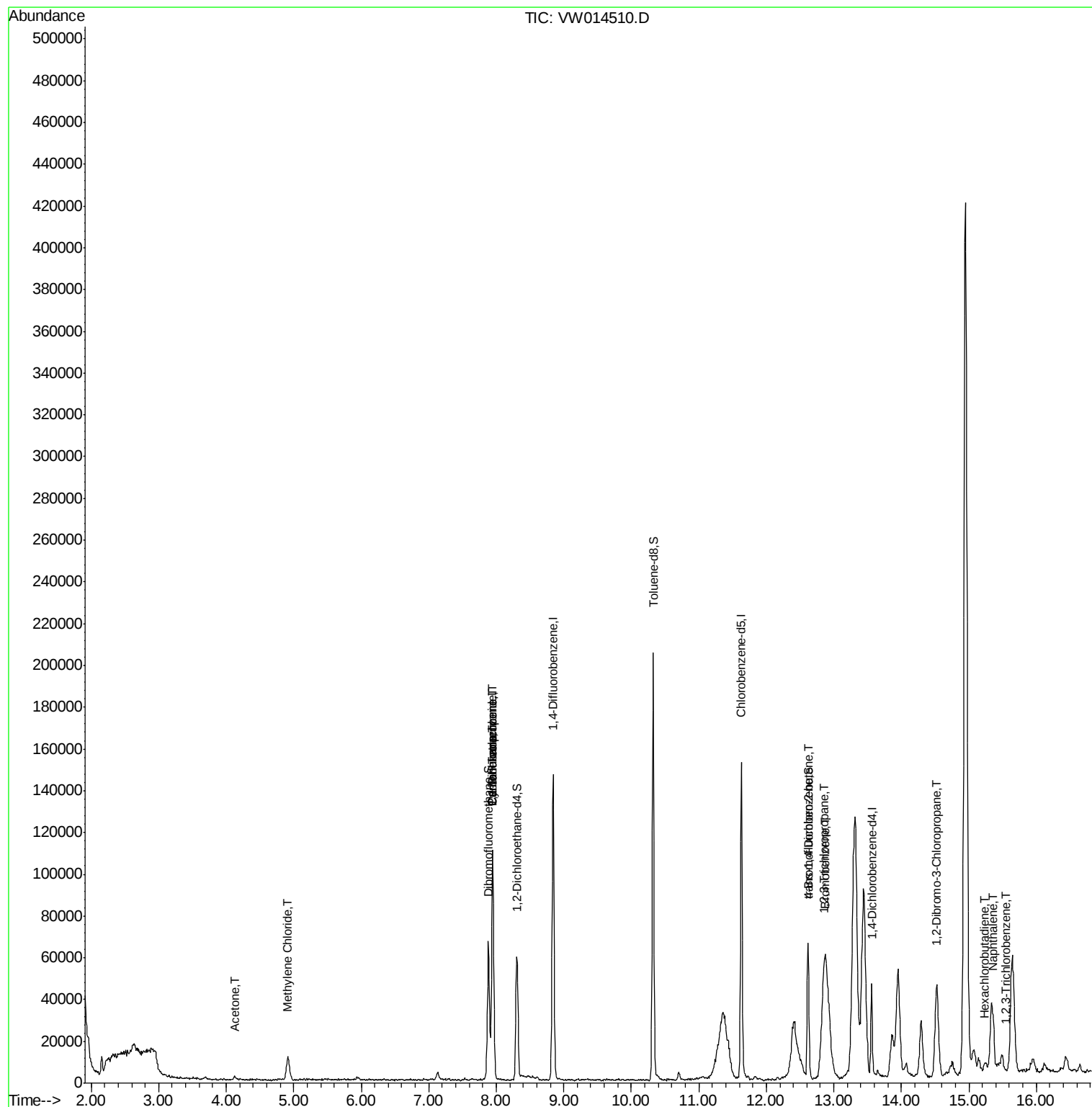
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	125	Below Cal	#	73
16) Acetone	4.14	43	3030	14.124	ug/l	89
20) Methylene Chloride	4.92	84	8276	5.519	ug/l	92
31) Cyclohexane	7.94	56	1798	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	6192	5.113	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8097	7.706	ug/l #	14
76) 1,2,3-Trichloropropane	12.86	75	1934	17.883	ug/l #	100
77) Bromobenzene	12.88	156	96099	493.003	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	11148	229.676	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3962	165.161	ug/l #	1
94) Hexachlorobutadiene	15.23	225	215	1.426	ug/l	87
95) Naphthalene	15.36	128	12773	33.290	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.55	180	382	1.948	ug/l #	58

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010320\
Data File : VW014510.D
Acq On : 03 Jan 2020 20:23
Operator : SY/VA
Sample : K6482-01
Misc : 6.29G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 06 00:46:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
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: VW014510.D

Acq: 03 Jan 2020 20:23

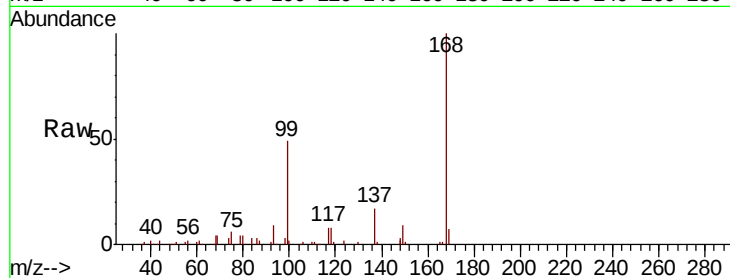
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 86895

Ion Ratio Lower Upper

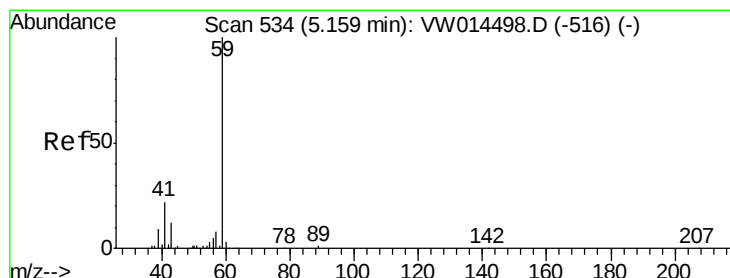
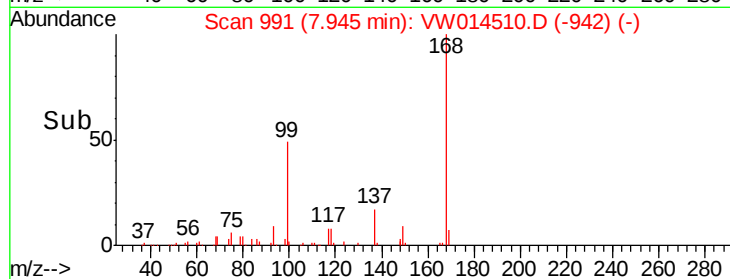
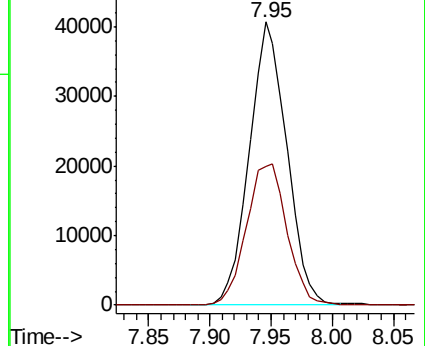
168 100

99 49.2 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: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW014510.D

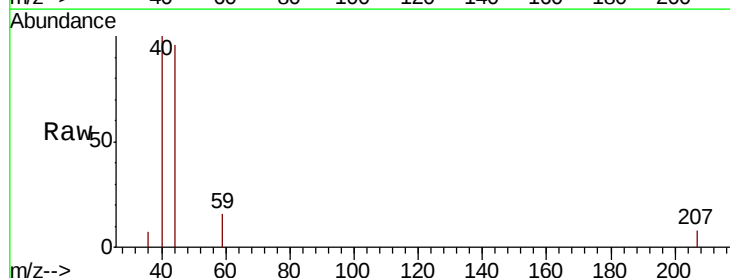
Acq: 03 Jan 2020 20:23

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

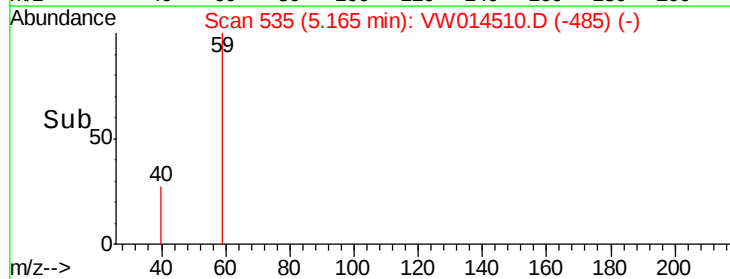
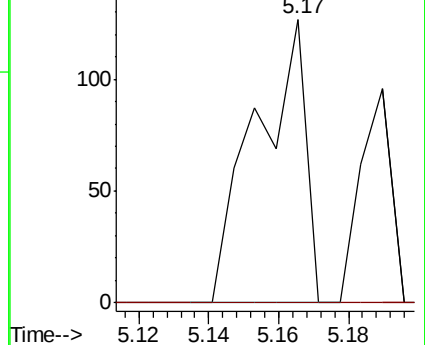
59 100

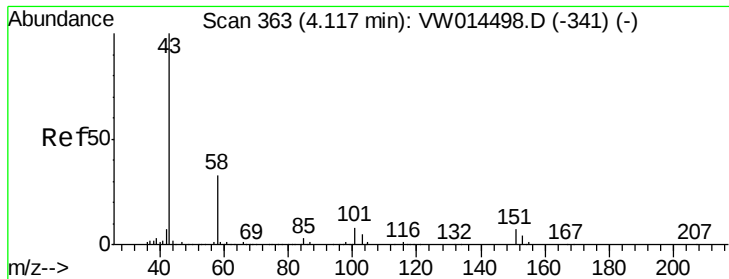
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 14.124 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

Instrument :

MSVOA_W

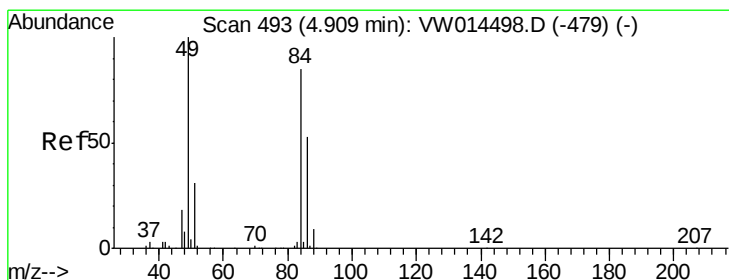
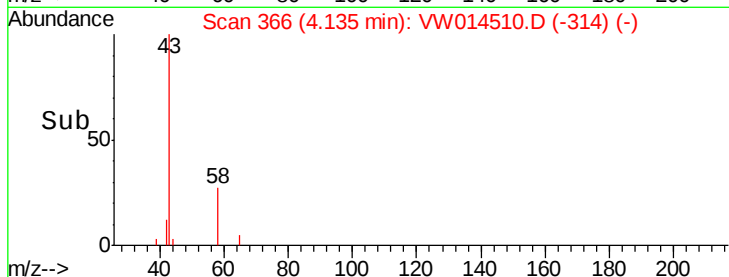
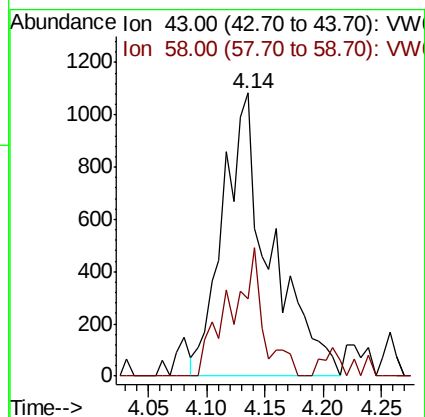
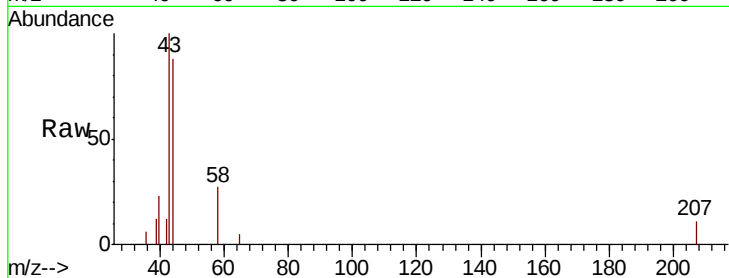
ClientSampled :

Tot Ion: 43 Resp: 3030

Ion Ratio Lower Upper

43 100

58 27.1 26.6 39.8



#20

Methylene Chloride

Concen: 5.519 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

Tgt Ion: 84 Resp: 8276

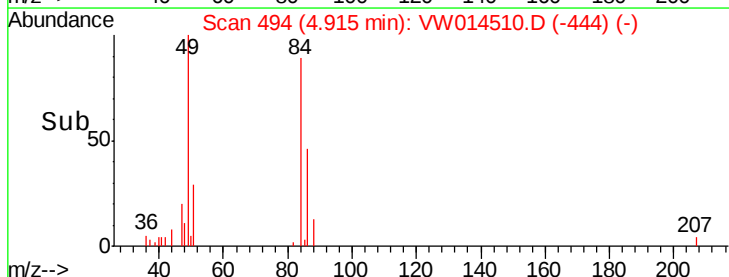
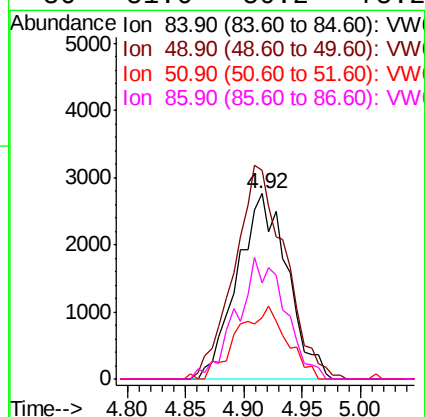
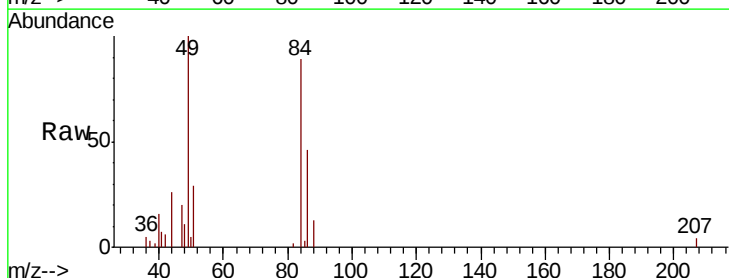
Ion Ratio Lower Upper

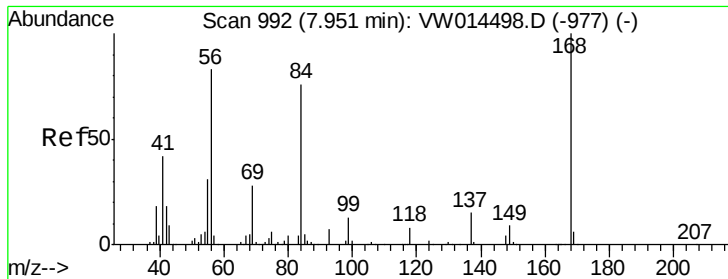
84 100

49 112.8 94.4 141.6

51 33.1 29.5 44.3

86 51.6 50.2 75.2

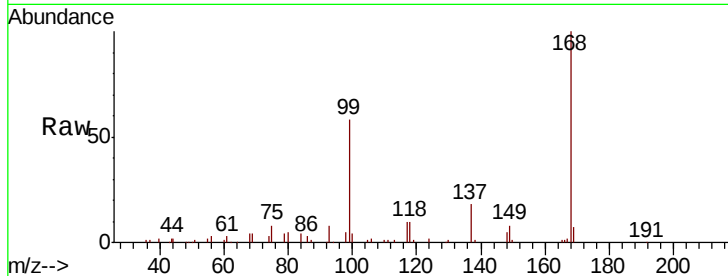




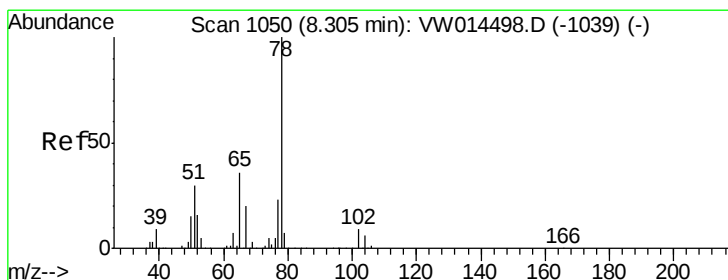
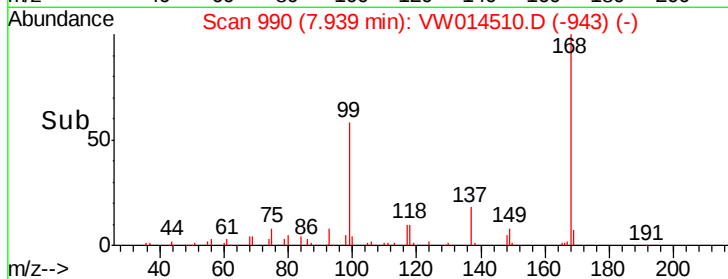
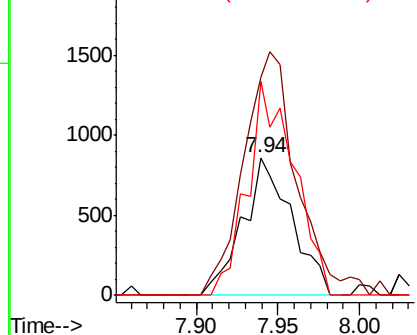
#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014510.D
Acq: 03 Jan 2020 20:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1798
Ion Ratio Lower Upper
56 100
69 158.2 26.8 40.2#
84 155.2 71.8 107.6#

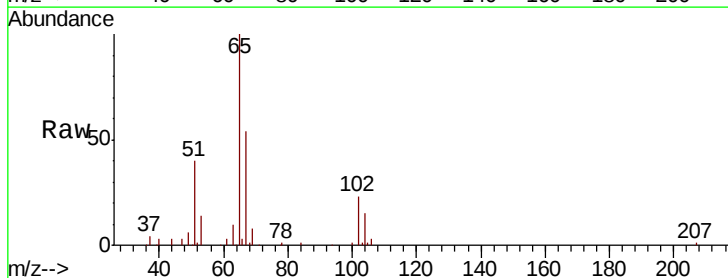


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

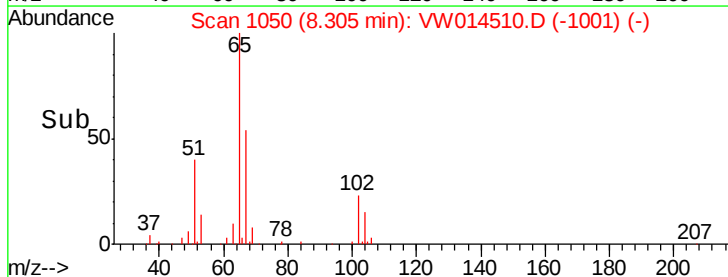
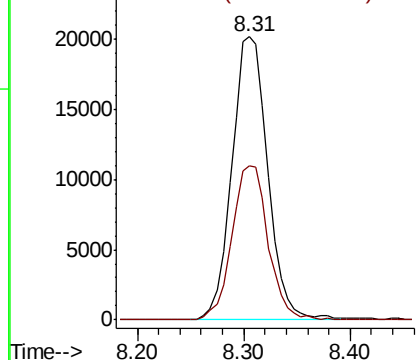


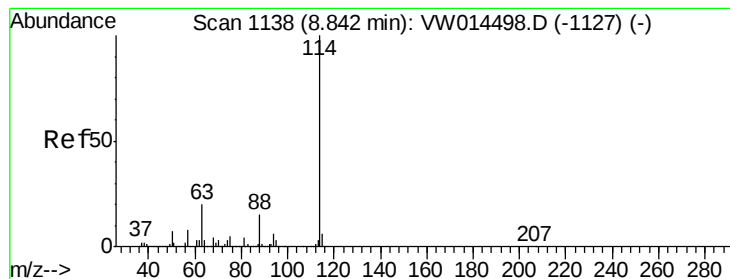
#33
1,2-Dichloroethane-d4
Concen: 62.553 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW014510.D
Acq: 03 Jan 2020 20:23

Tgt Ion: 65 Resp: 47524
Ion Ratio Lower Upper
65 100
67 55.0 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: VW014510.D

Acq: 03 Jan 2020 20:23

Instrument :

MSVOA_W

ClientSampleId :

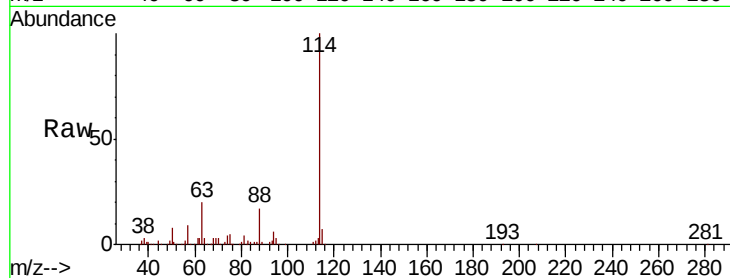
Tot Ion:114 Resp: 125630

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

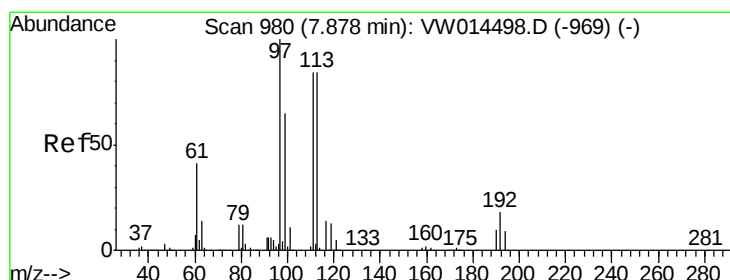
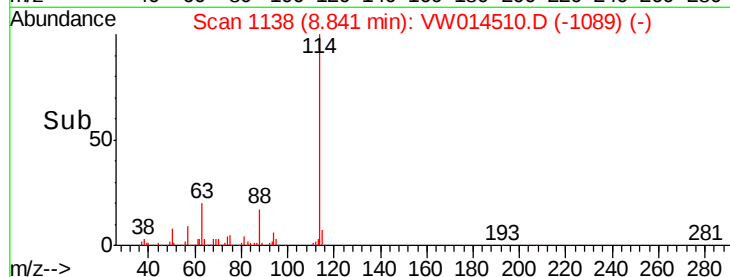
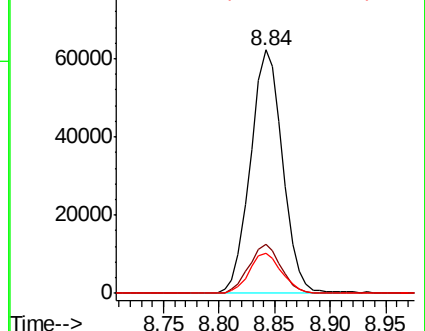
88 16.6 0.0 30.6



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: 65.819 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

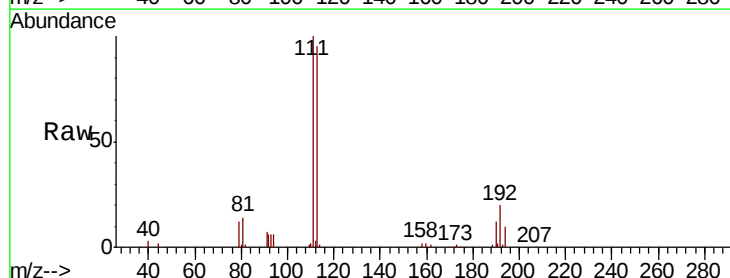
Tgt Ion:113 Resp: 47258

Ion Ratio Lower Upper

113 100

111 100.0 81.4 122.2

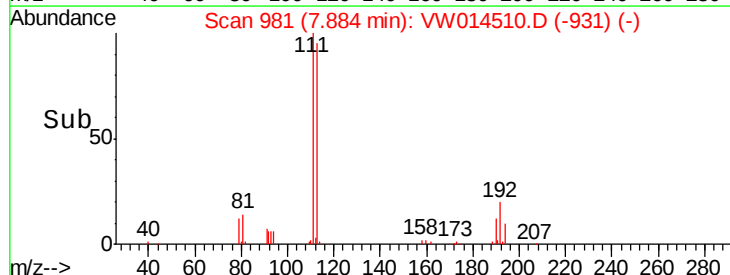
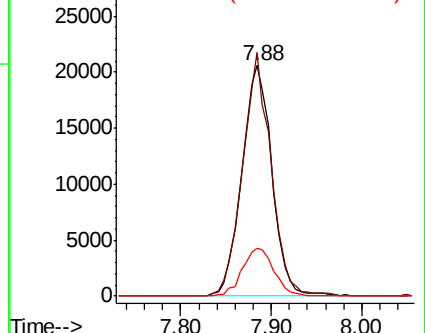
192 21.7 17.8 26.8

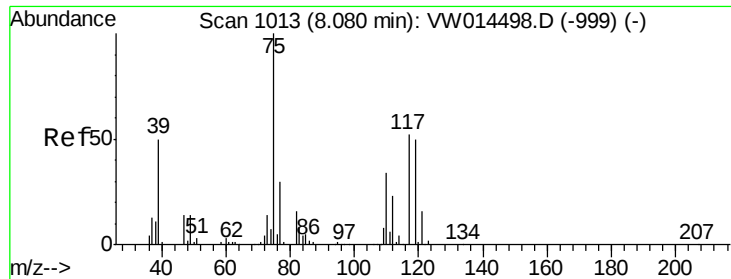


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

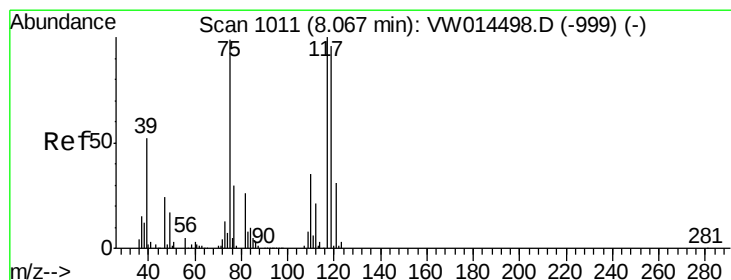
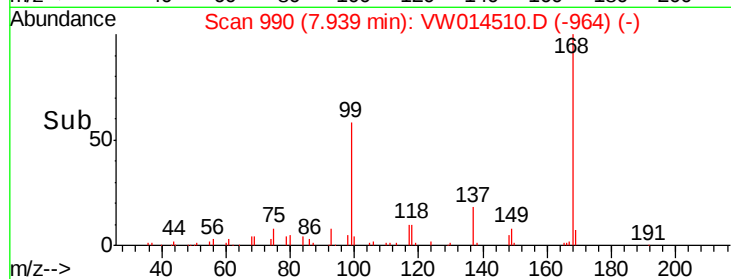
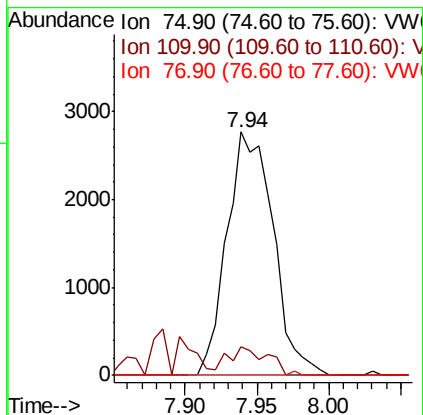
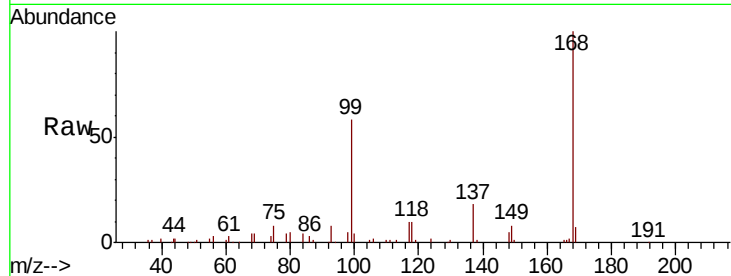




#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014510.D
 Acq: 03 Jan 2020 20:23

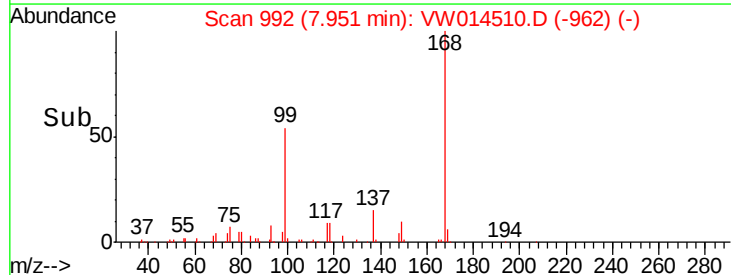
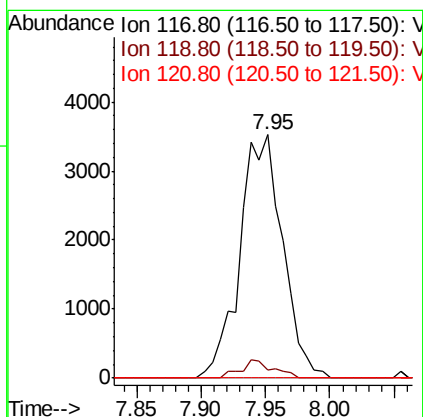
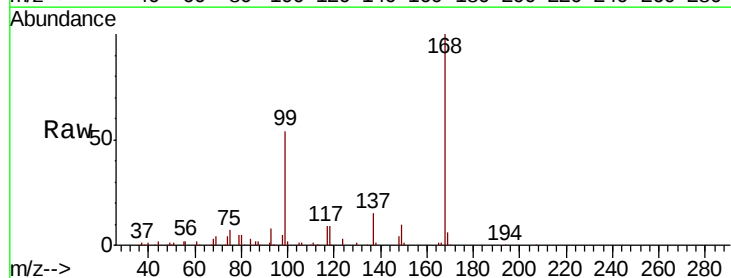
Instrument :
 MSVOA_W
 ClientSampleId :

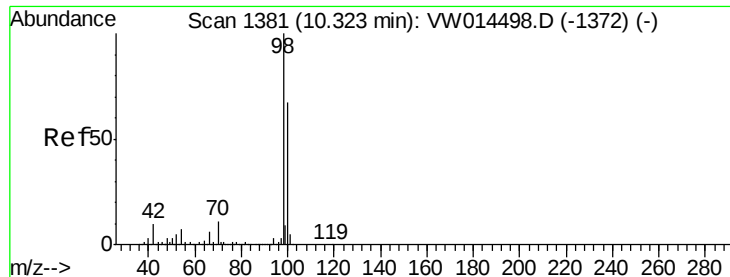
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.706 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW014510.D
 Acq: 03 Jan 2020 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 45.640 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

Instrument :

MSVOA_W

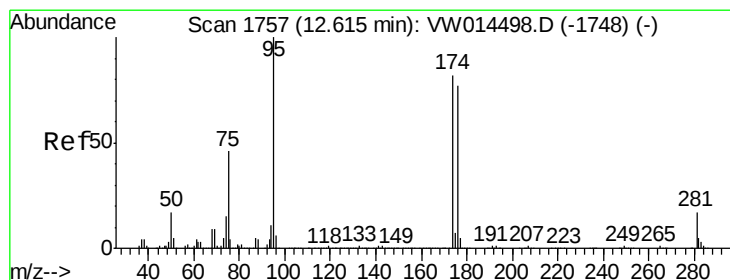
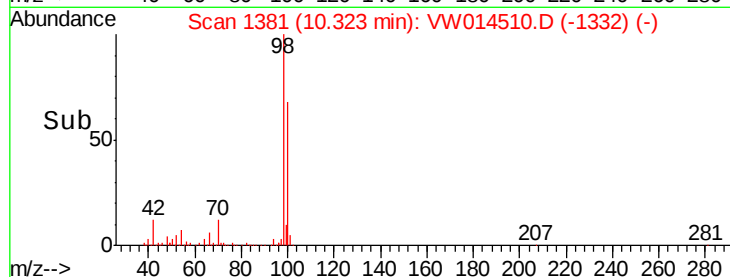
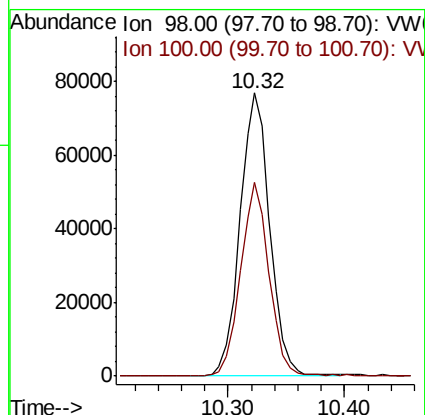
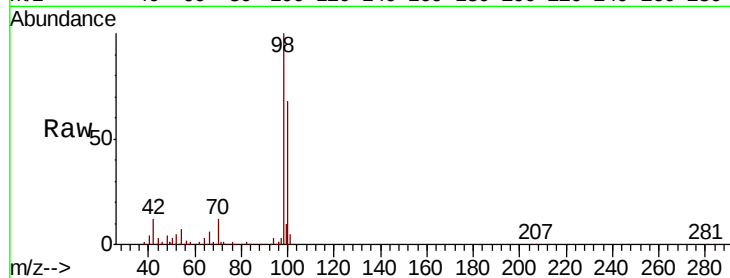
ClientSampleId :

Tot Ion: 98 Resp: 136755

Ion Ratio Lower Upper

98 100

100 66.1 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 21.773 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

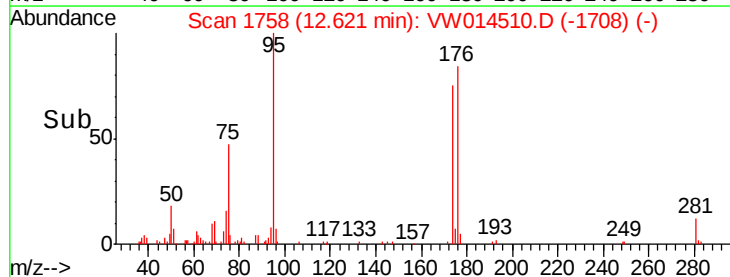
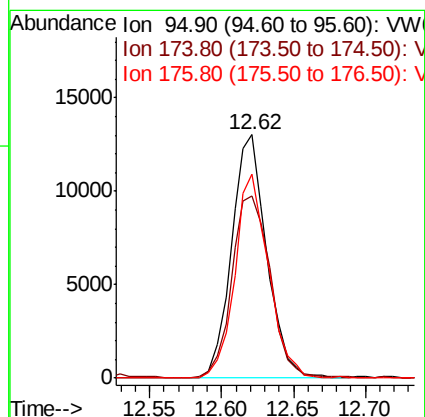
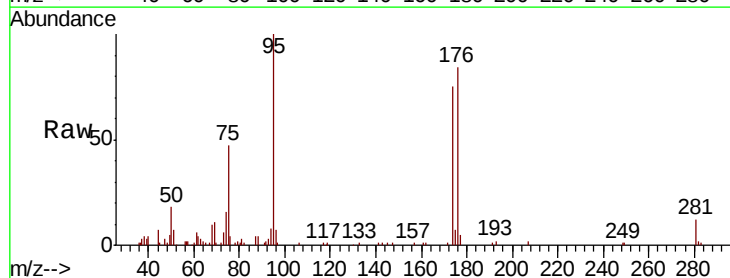
Tgt Ion: 95 Resp: 22129

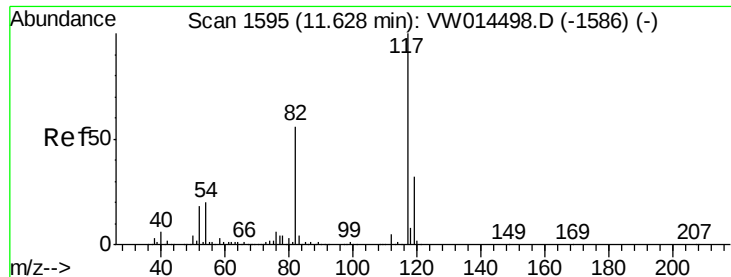
Ion Ratio Lower Upper

95 100

174 82.4 0.0 168.6

176 80.3 0.0 162.0

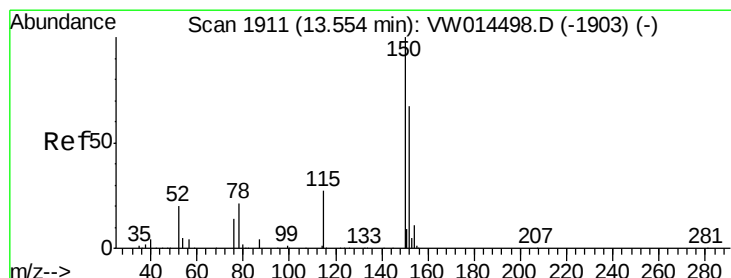
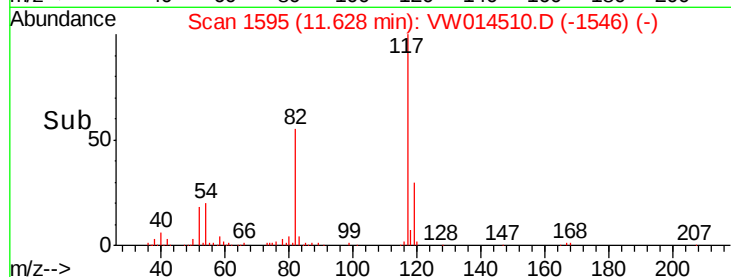
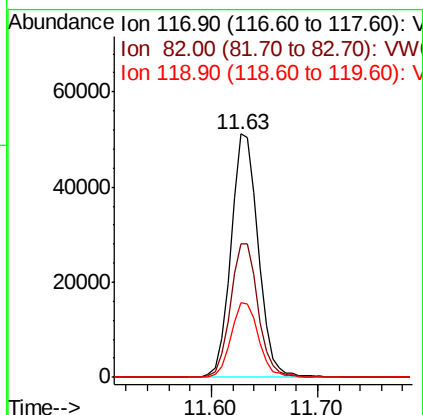
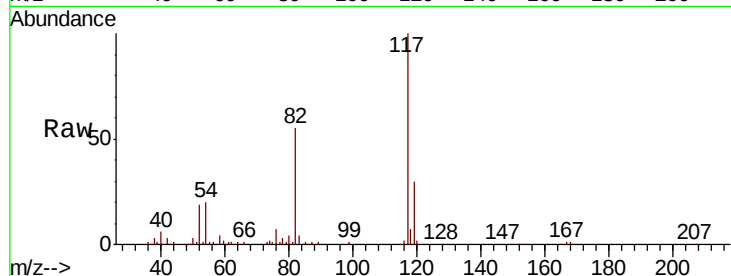




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014510.D
Acq: 03 Jan 2020 20:23

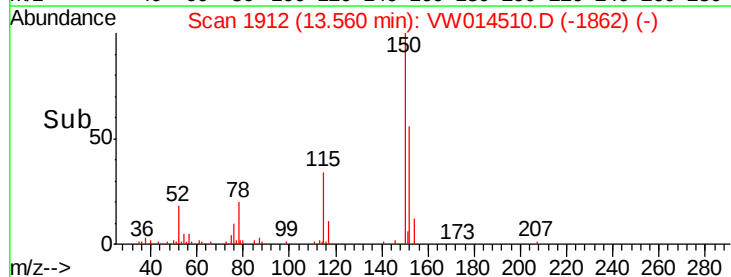
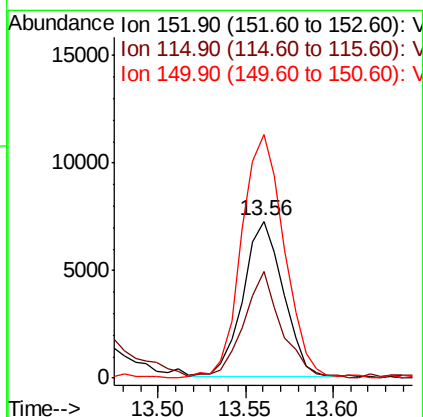
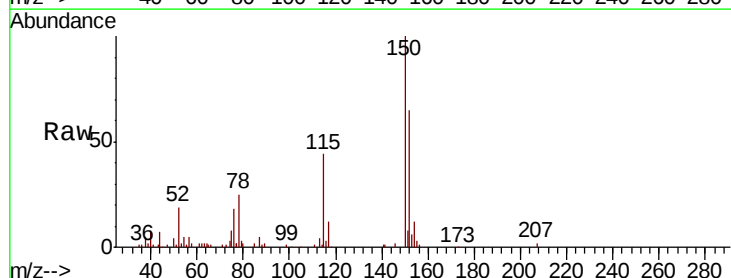
Instrument :
MSVOA_W
ClientSampleId :

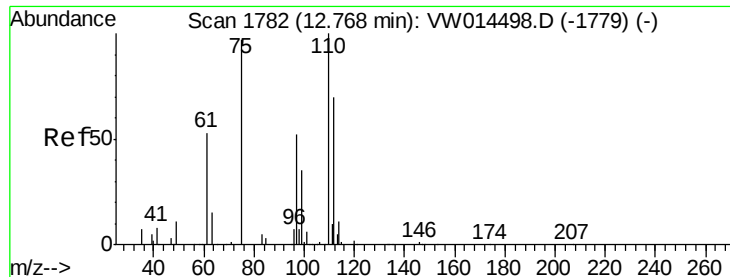
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	30.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014510.D
Acq: 03 Jan 2020 20:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	27.7	83.1
150	169.4	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 17.883 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. 0.09 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

Instrument :

MSVOA_W

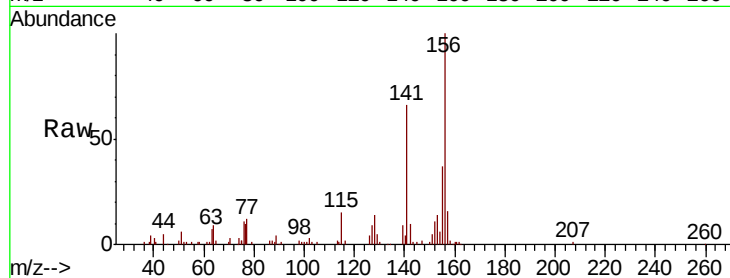
ClientSampled :

Tot Ion: 75 Resp: 1934

Ion Ratio Lower Upper

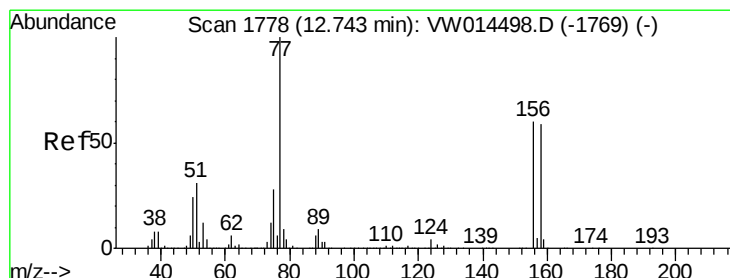
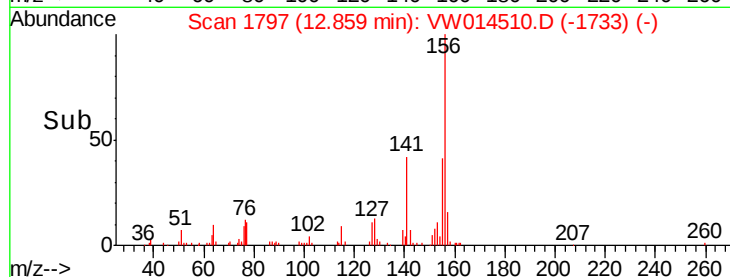
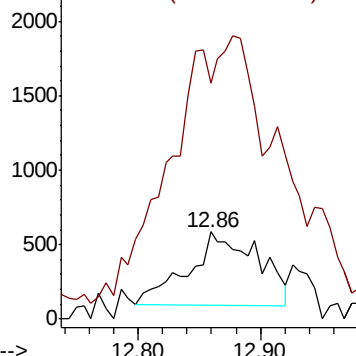
75 100

77 233.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 493.003 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

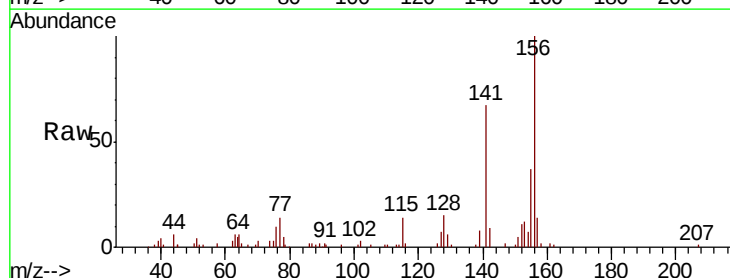
Tgt Ion: 156 Resp: 96099

Ion Ratio Lower Upper

156 100

77 0.0 92.3 277.1#

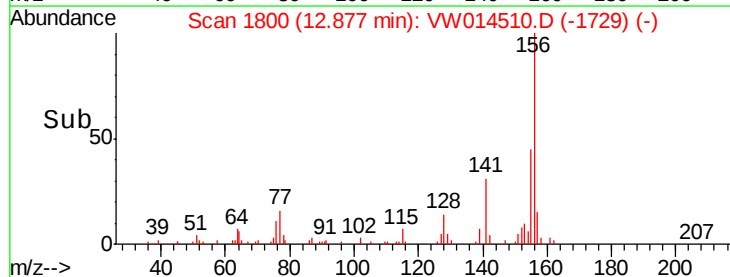
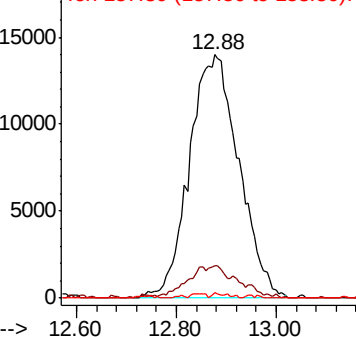
158 0.7 48.6 145.9#

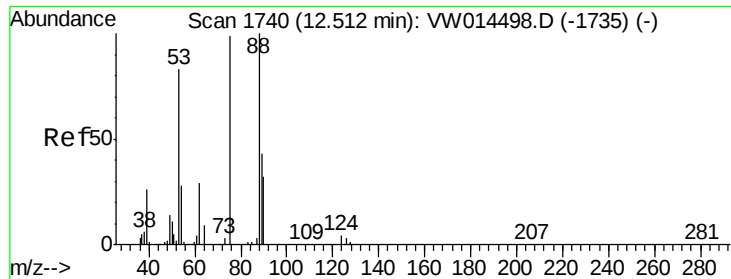


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

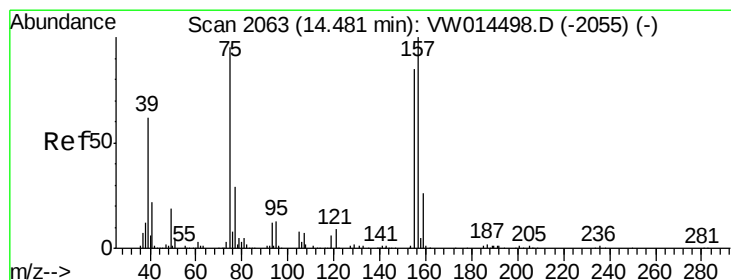
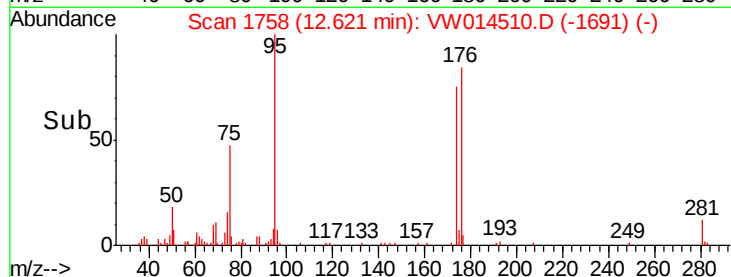
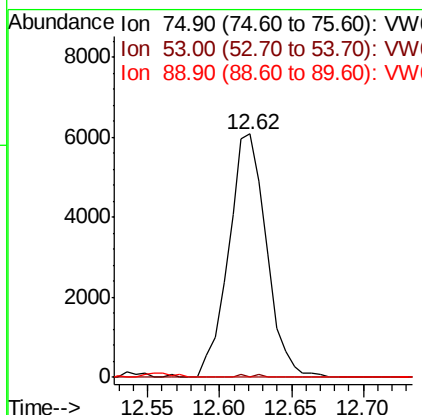
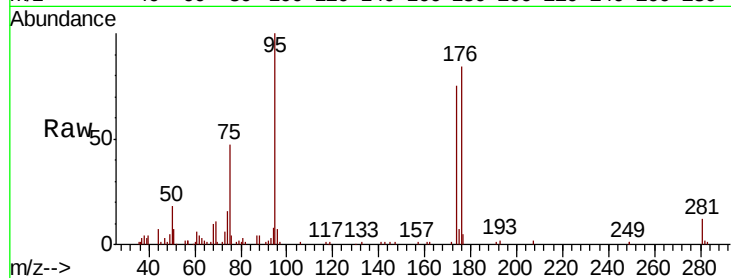




#81
trans-1,4-Dichloro-2-butene
Concen: 229.676 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW014510.D
Acq: 03 Jan 2020 20:23

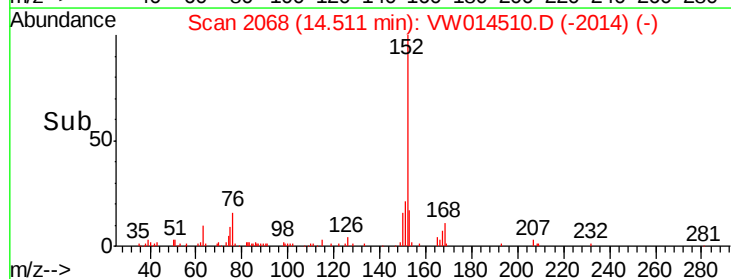
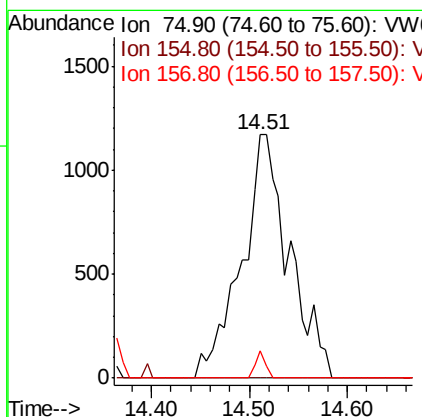
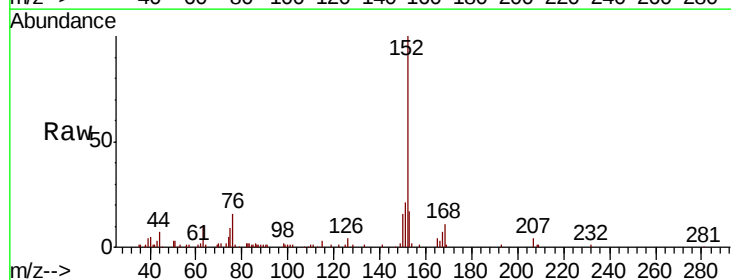
Instrument :
MSVOA_W
ClientSampleId :

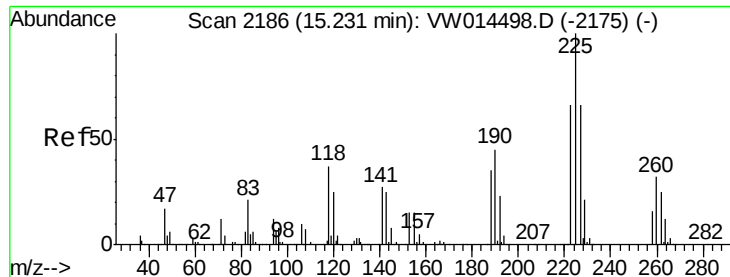
Tot Ion: 75 Resp: 11148
Ion Ratio Lower Upper
75 100
53 0.5 70.9 106.3#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 165.161 ug/l
RT: 14.51 min Scan# 2068
Delta R.T. 0.03 min
Lab File: VW014510.D
Acq: 03 Jan 2020 20:23

Tgt Ion: 75 Resp: 3962
Ion Ratio Lower Upper
75 100
155 0.0 45.8 137.4#
157 2.4 58.1 174.2#





#94

Hexachlorobutadiene

Concen: 1.426 ug/l

RT: 15.23 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VW014510.D

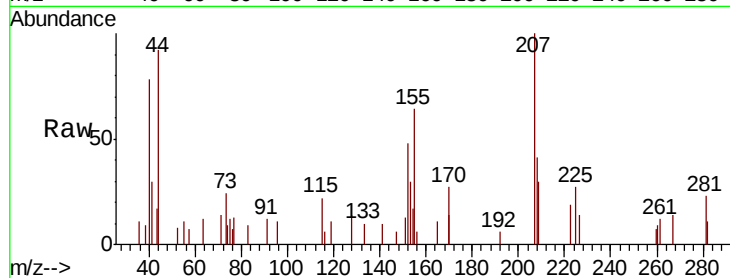
Acq: 03 Jan 2020 20:23

Instrument :

MSVOA_W

ClientSampleId :

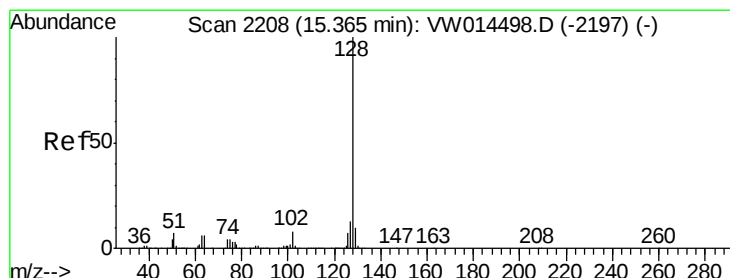
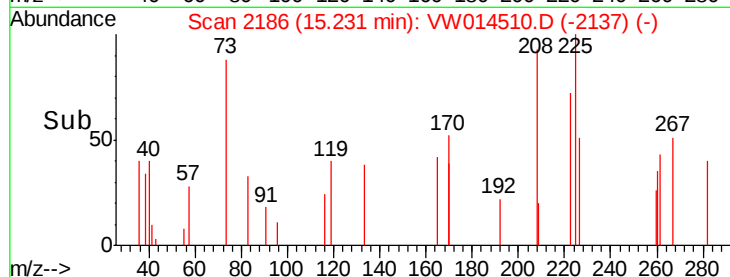
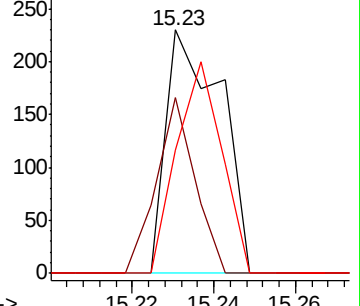
Tot Ion:	225	Resp:	215
Ion	Ratio	Lower	Upper
225	100		
223	50.2	32.4	97.2
227	71.6	32.6	97.8



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



#95

Naphthalene

Concen: 33.290 ug/l

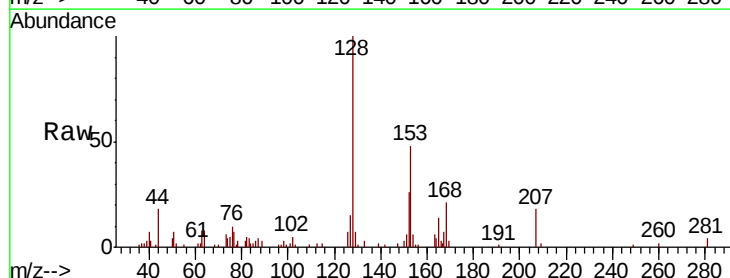
RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014510.D

Acq: 03 Jan 2020 20:23

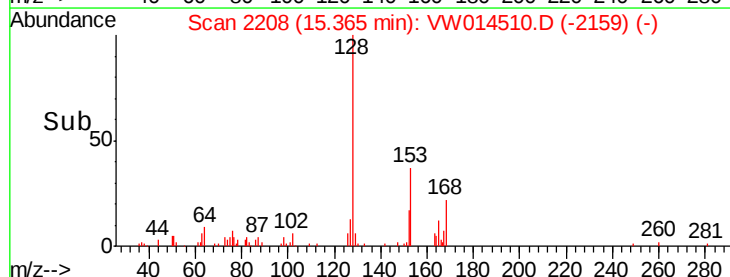
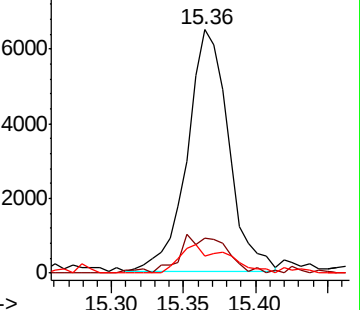
Tgt Ion:	128	Resp:	12773
Ion	Ratio	Lower	Upper
128	100		
127	18.1	10.6	15.8#
129	13.2	8.7	13.1#

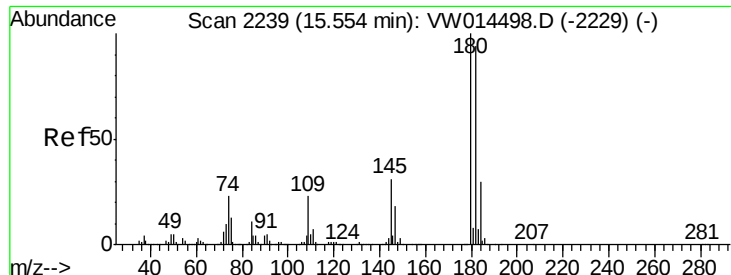


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

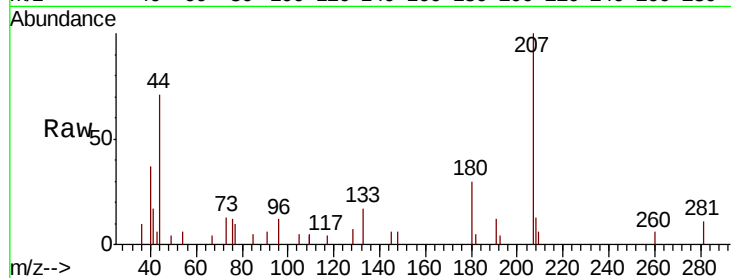




#96
 1,2,3-Trichlorobenzene
 Concen: 1.948 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014510.D
 Acq: 03 Jan 2020 20:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 382
 Ion Ratio Lower Upper
 180 100
 182 58.6 47.4 142.2
 145 0.0 15.5 46.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

