

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014512.D
 Acq On : 03 Jan 2020 21:16
 Operator : SY/VA
 Sample : K6482-05
 Misc : 8.50G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:46:49 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	102190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	135170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34854	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	60043	67.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.40%	
35) Dibromofluoromethane	7.88	113	55099	61.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.86%	
50) Toluene-d8	10.32	98	185793	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.62	95	48032	38.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.28%	

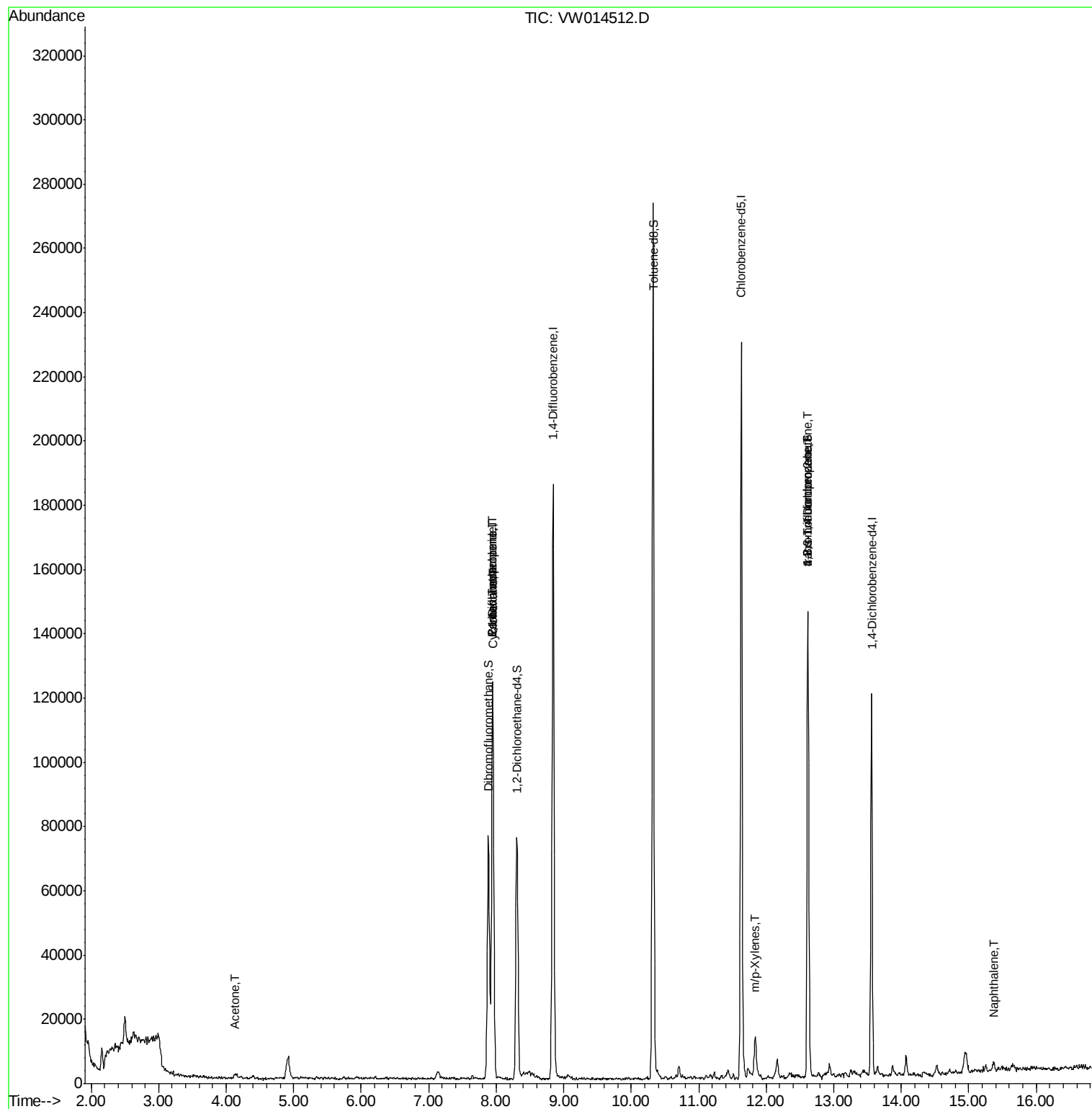
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	81	Below Cal	#	73
16) Acetone	4.14	43	2261	8.962	ug/l #	38
31) Cyclohexane	7.96	56	2001	1.049	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	7040	4.691	ug/l #	52
38) Carbon Tetrachloride	7.95	117	9496	7.293	ug/l #	18
68) m/p-Xylenes	11.84	106	3788	1.983	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	23956	72.695	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23956	161.968	ug/l #	14
95) Naphthalene	15.36	128	2504	2.142	ug/l #	92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010320\
Data File : VW014512.D
Acq On : 03 Jan 2020 21:16
Operator : SY/VA
Sample : K6482-05
Misc : 8.50G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 06 00:46:49 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# 992

Delta R.T. 0.01 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

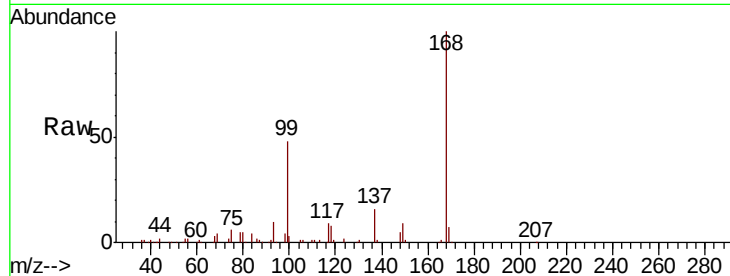
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 102190

Ion Ratio Lower Upper

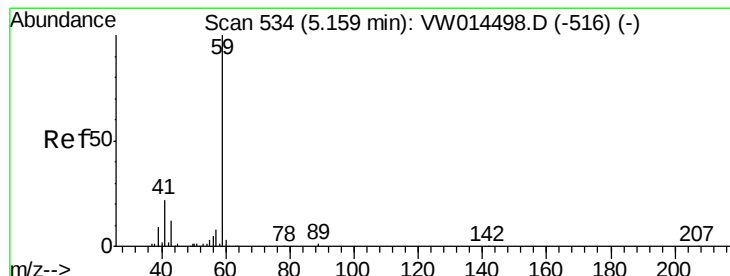
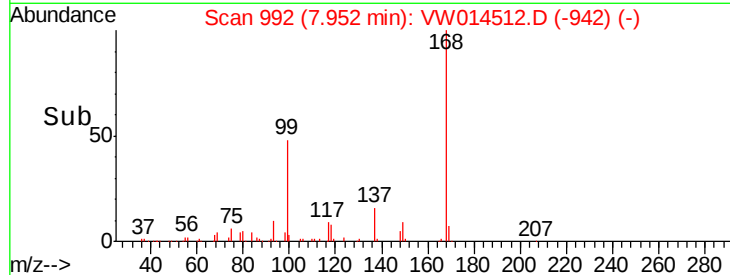
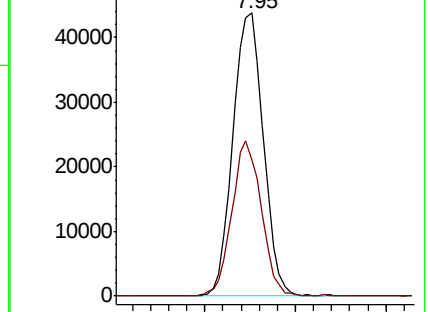
168 100

99 48.1 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: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014512.D

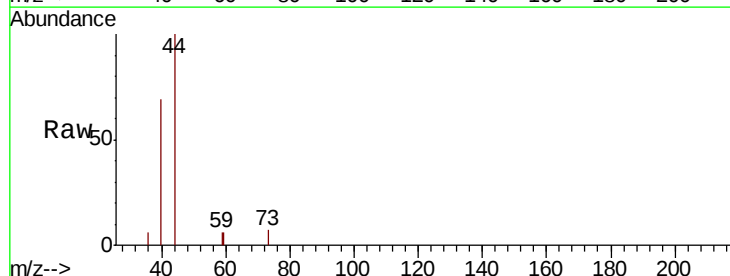
Acq: 03 Jan 2020 21:16

Tgt Ion: 59 Resp: 81

Ion Ratio Lower Upper

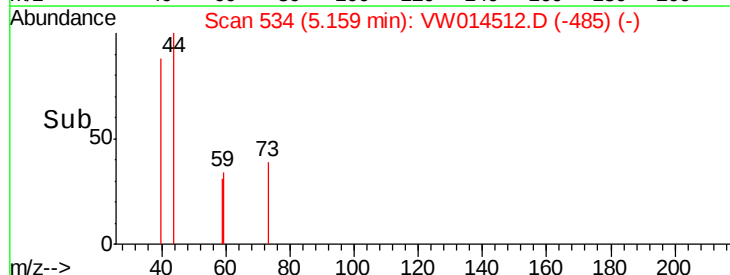
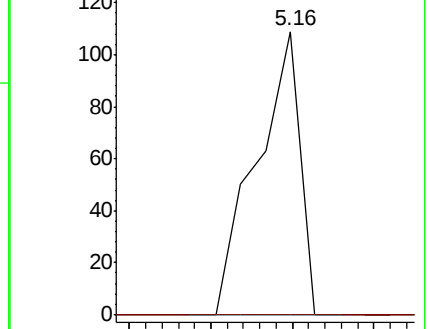
59 100

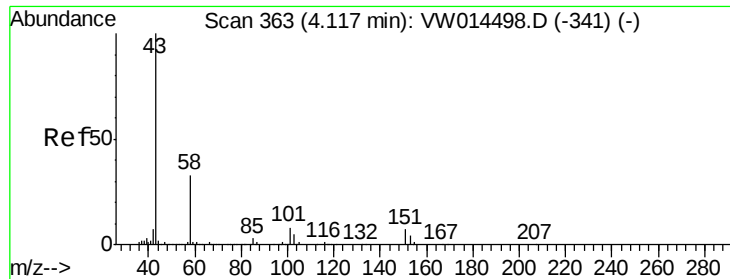
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.962 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

Instrument :

MSVOA_W

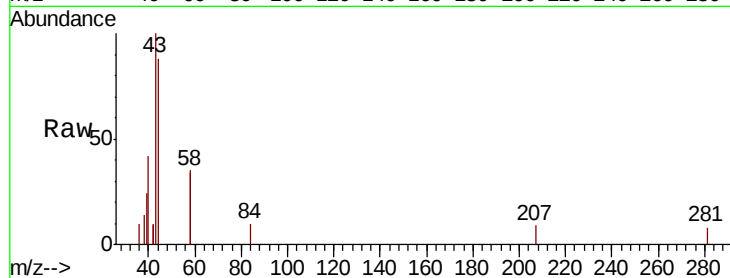
ClientSampled :

Tot Ion: 43 Resp: 2261

Ion Ratio Lower Upper

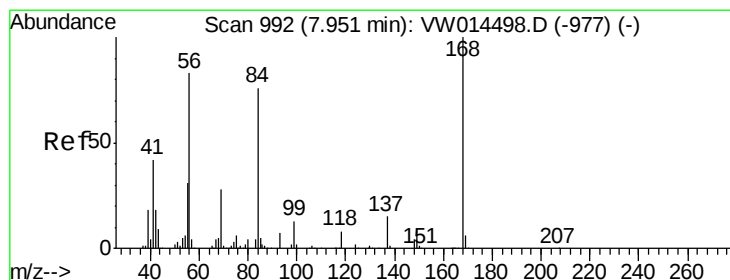
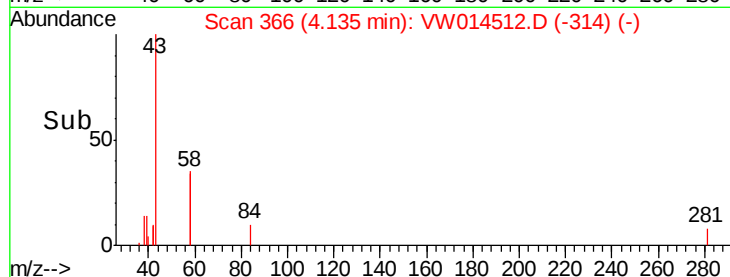
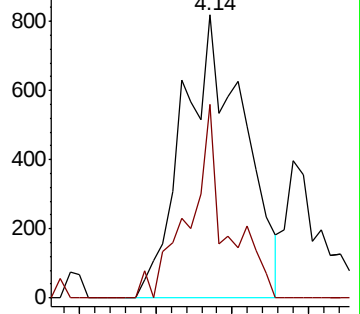
43 100

58 68.3 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#31

Cyclohexane

Concen: 1.049 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

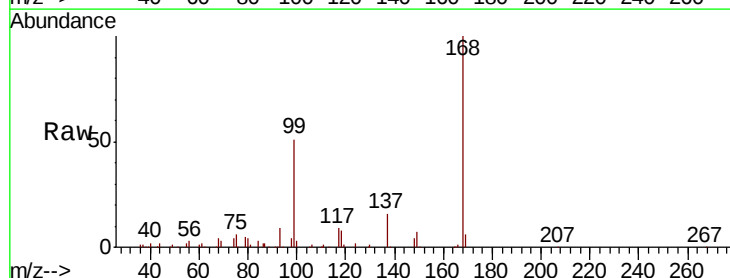
Tgt Ion: 56 Resp: 2001

Ion Ratio Lower Upper

56 100

69 127.8 26.8 40.2#

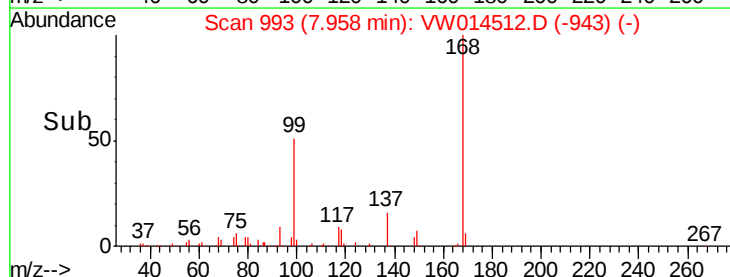
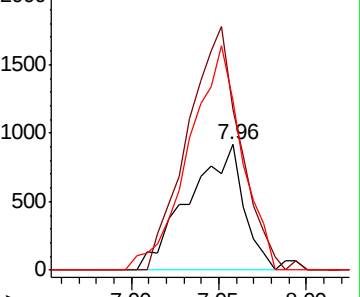
84 135.3 71.8 107.6#

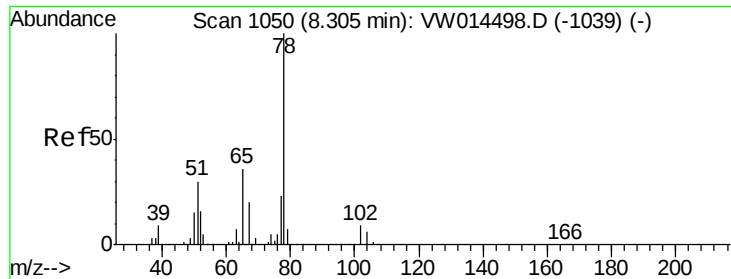


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 67.203 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

Instrument :

MSVOA_W

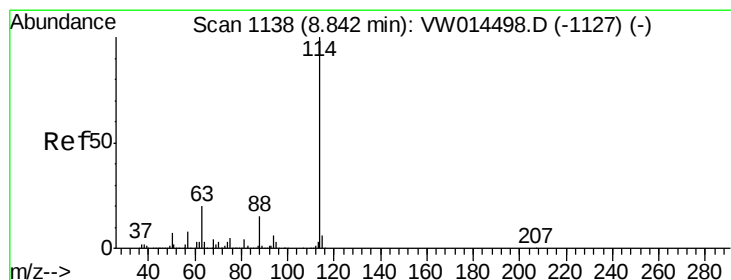
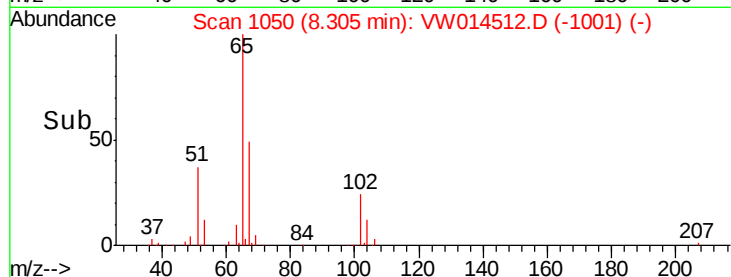
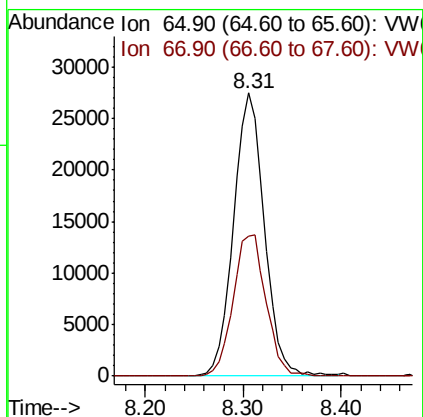
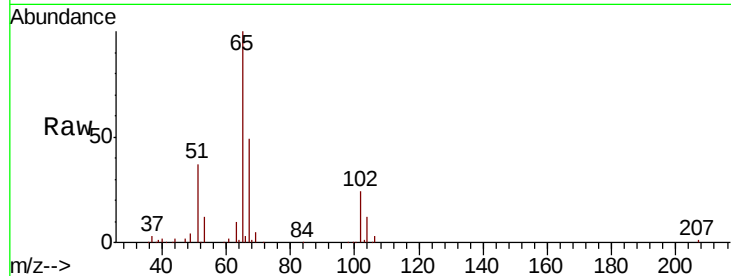
ClientSampleId :

Tot Ion: 65 Resp: 60043

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

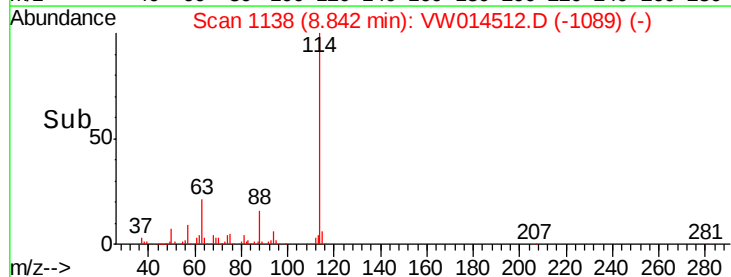
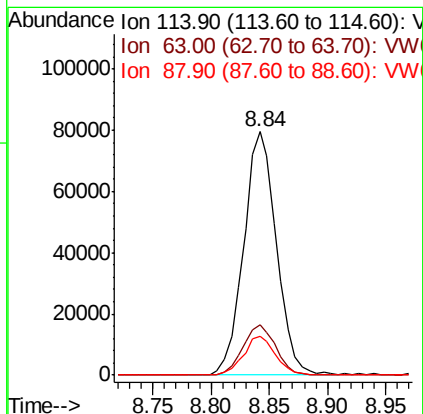
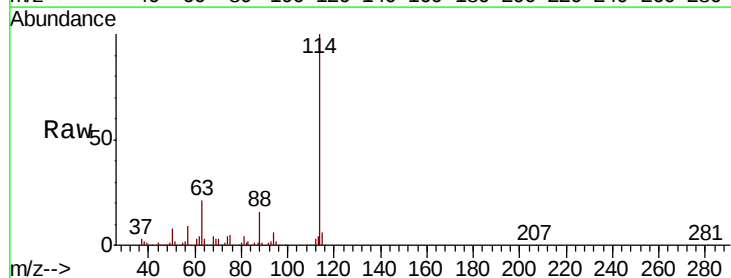
Tgt Ion: 114 Resp: 155677

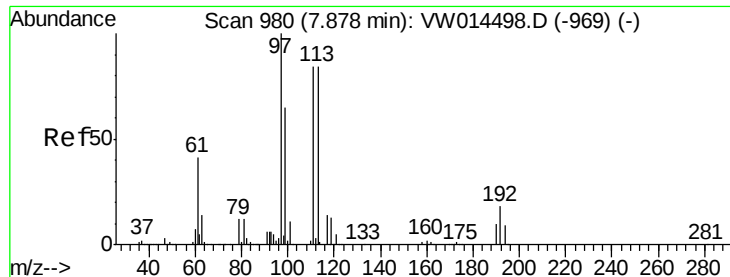
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.4

88 15.7 0.0 30.6

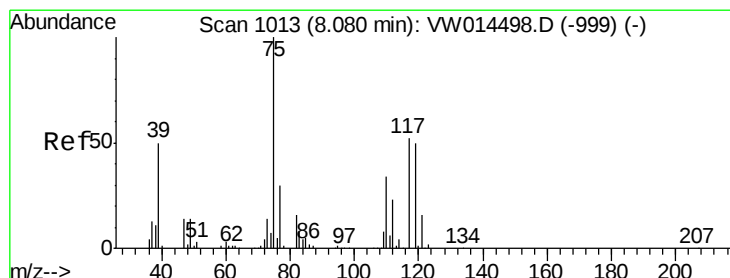
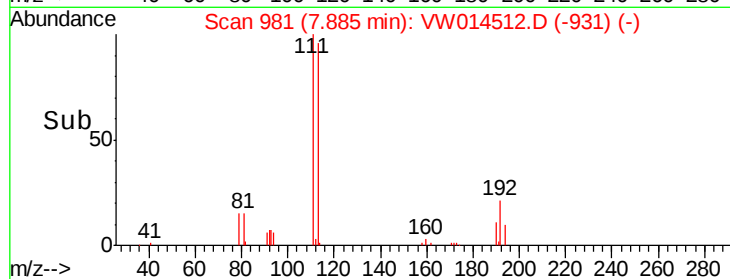
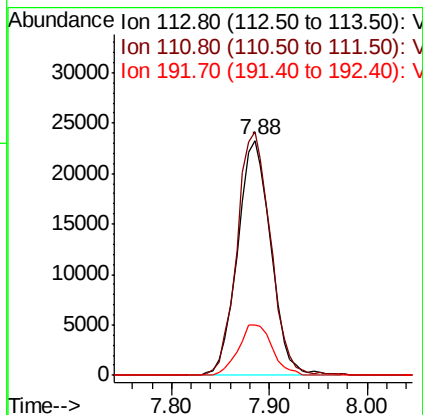
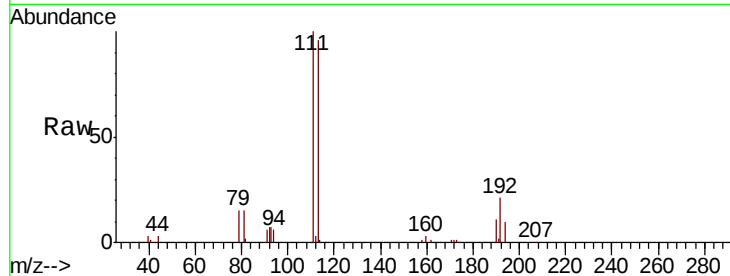




#35
 Dibromofluoromethane
 Concen: 61.928 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014512.D
 Acq: 03 Jan 2020 21:16

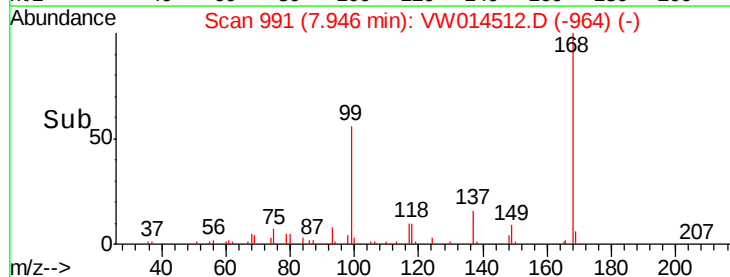
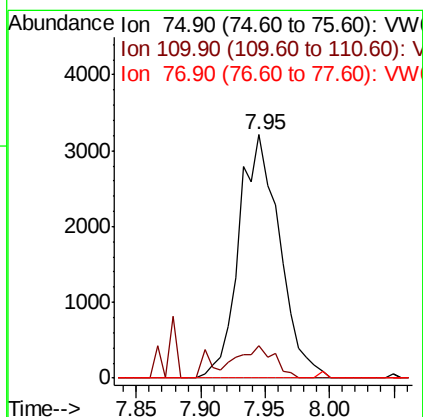
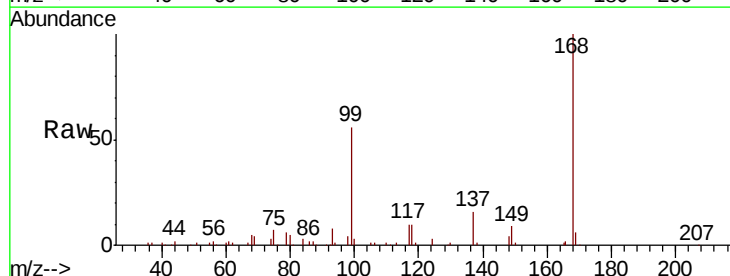
Instrument :
 MSVOA_W
 ClientSampleId :

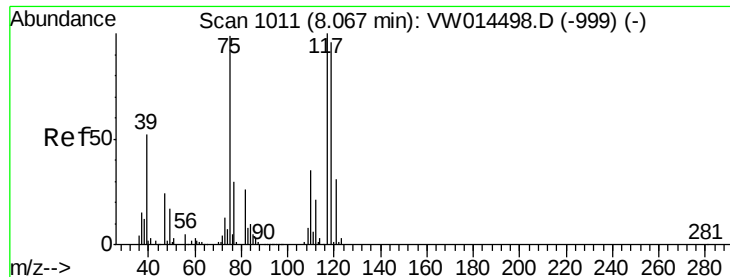
Tot Ion:113 Resp: 55099
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.4 122.2
 192 21.8 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.691 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014512.D
 Acq: 03 Jan 2020 21:16

Tgt Ion: 75 Resp: 7040
 Ion Ratio Lower Upper
 75 100
 110 12.0 17.8 53.5#
 77 0.0 24.7 37.1#

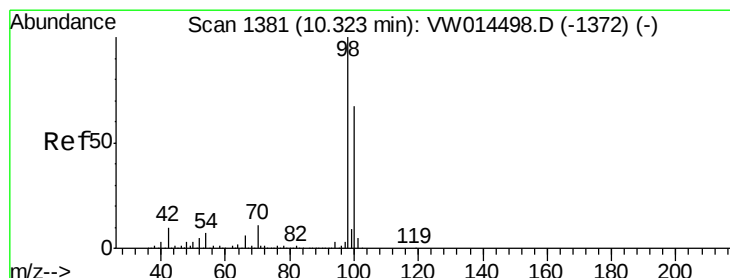
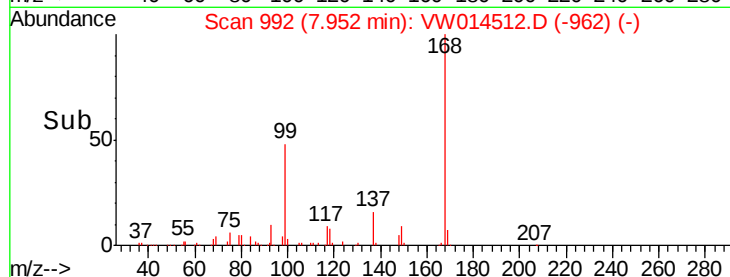
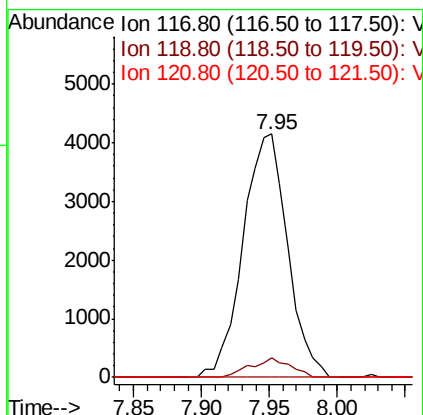
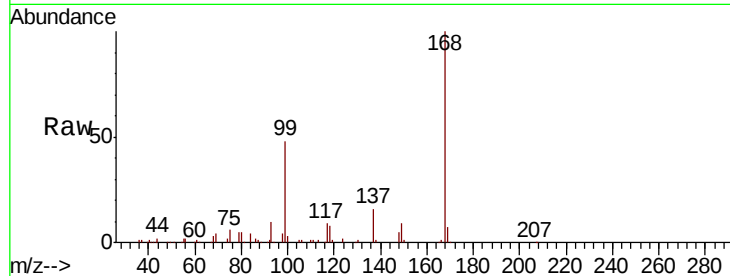




#38
Carbon Tetrachloride
Concen: 7.293 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW014512.D
Acq: 03 Jan 2020 21:16

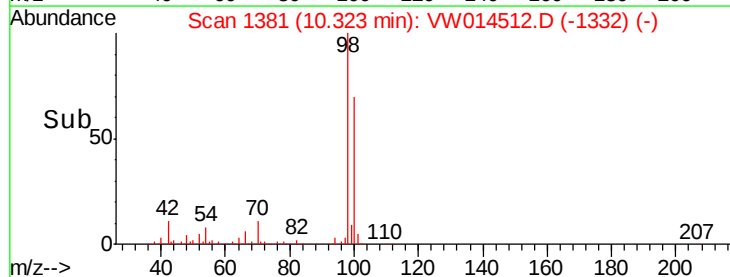
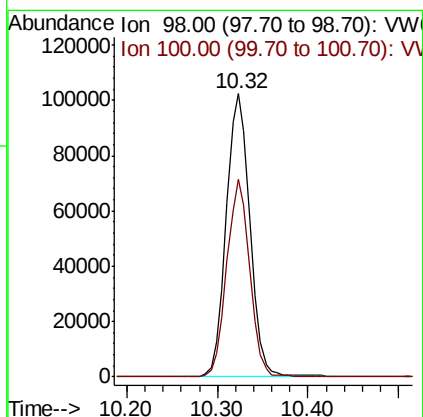
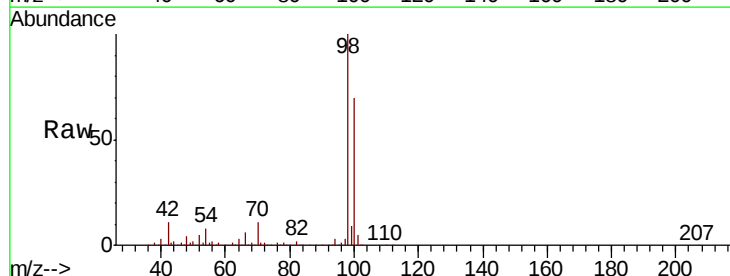
Instrument :
MSVOA_W
ClientSampled :

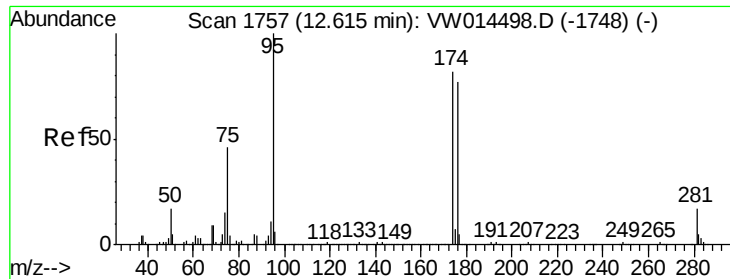
Tot Ion:117 Resp: 9496
Ion Ratio Lower Upper
117 100
119 7.8 77.0 115.6#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 50.038 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014512.D
Acq: 03 Jan 2020 21:16

Tgt Ion: 98 Resp: 185793
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.6

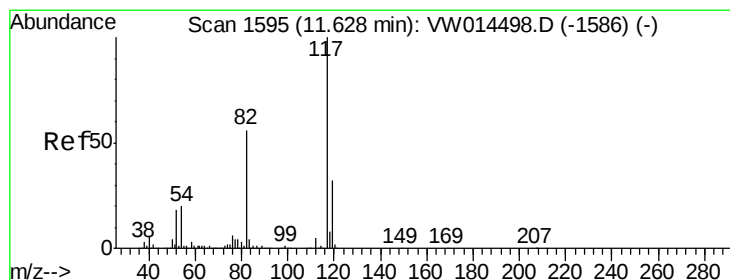
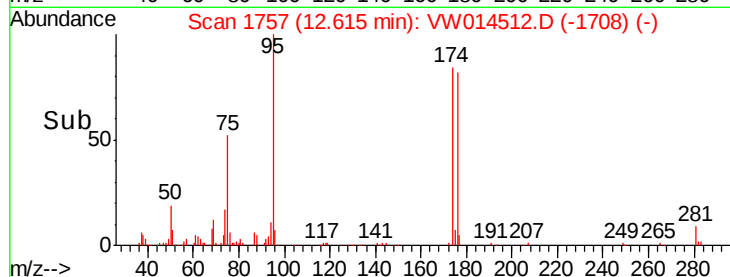
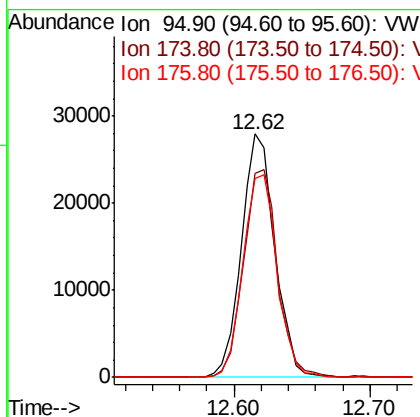
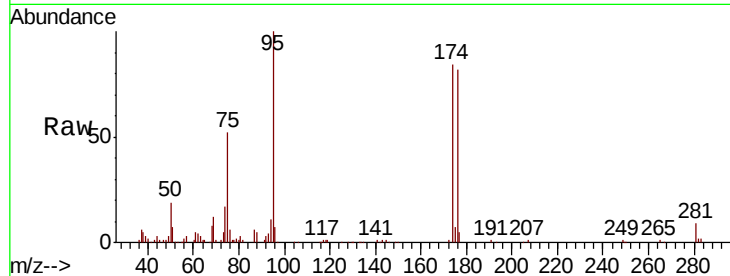




#62
4-Bromofluorobenzene
Concen: 38.138 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014512.D
Acq: 03 Jan 2020 21:16

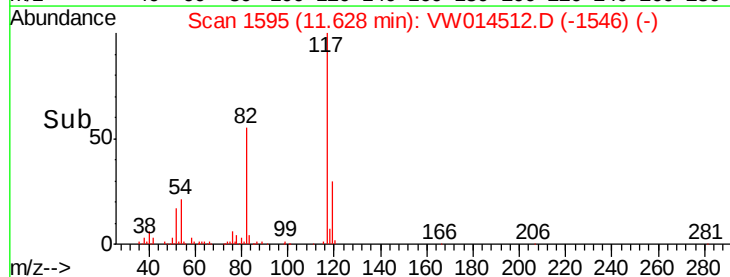
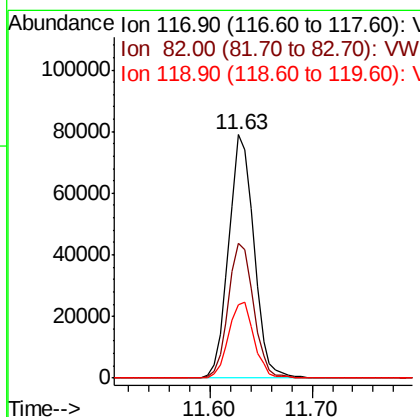
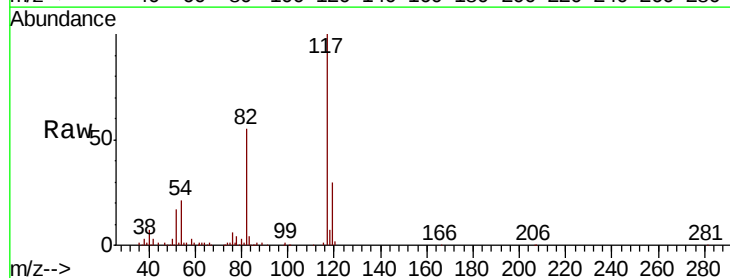
Instrument :
MSVOA_W
ClientSampleId :

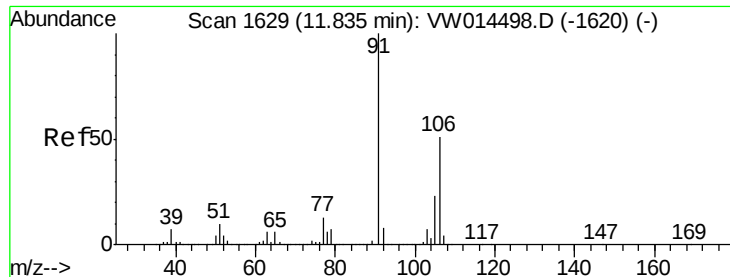
Tot Ion: 95 Resp: 48032
Ion Ratio Lower Upper
95 100
174 86.8 0.0 168.6
176 85.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014512.D
Acq: 03 Jan 2020 21:16

Tgt Ion: 117 Resp: 135170
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 30.2 25.7 38.5





#68

m/p-Xvlenes

Concen: 1.983 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

Instrument :

MSVOA_W

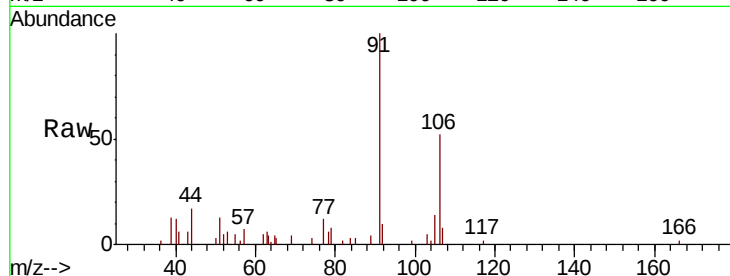
ClientSampled :

Tot Ion:106 Resp: 3788

Ion Ratio Lower Upper

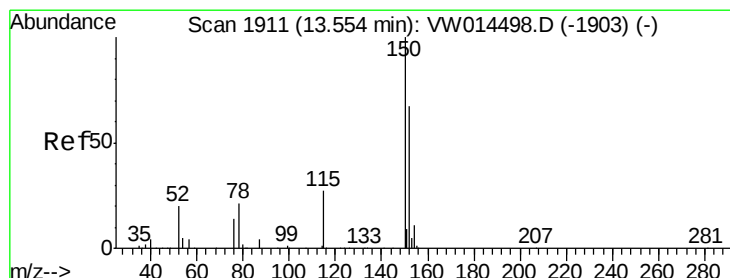
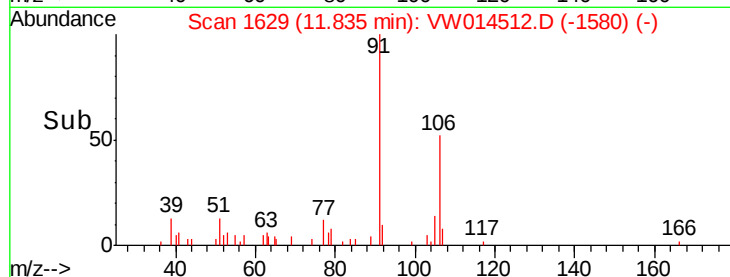
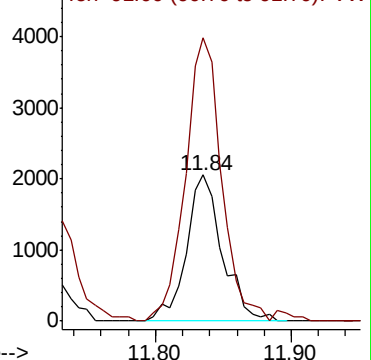
106 100

91 195.2 159.0 238.6



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: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

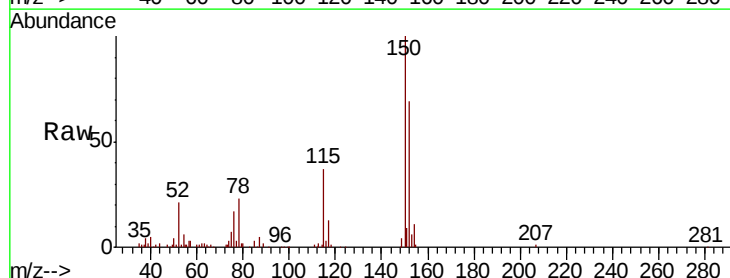
Tgt Ion:152 Resp: 34854

Ion Ratio Lower Upper

152 100

115 54.5 27.7 83.1

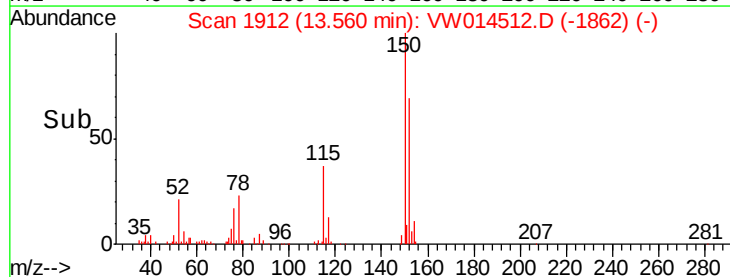
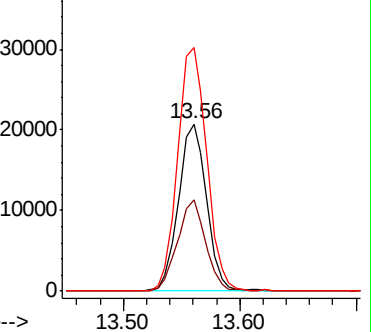
150 151.0 0.0 343.4

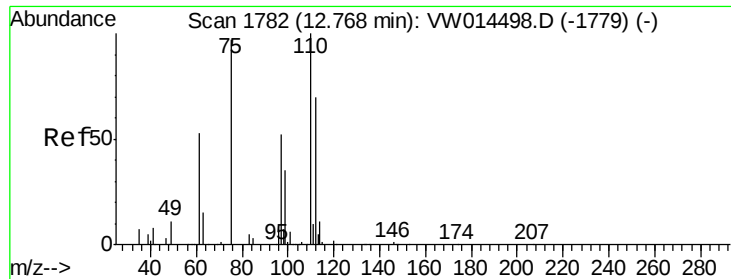


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.695 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

Instrument :

MSVOA_W

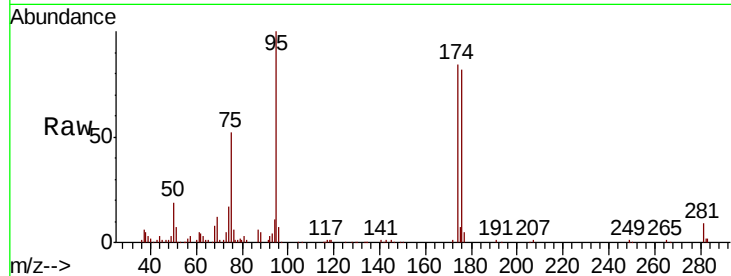
ClientSampleId :

Tot Ion: 75 Resp: 23956

Ion Ratio Lower Upper

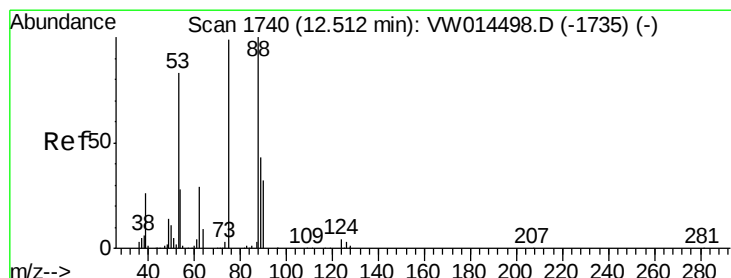
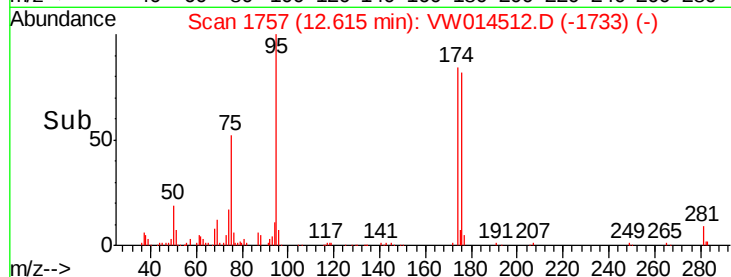
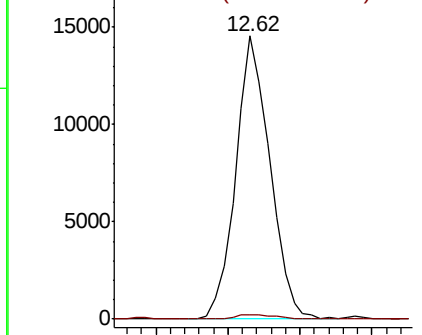
75 100

77 1.9 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: 161.968 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

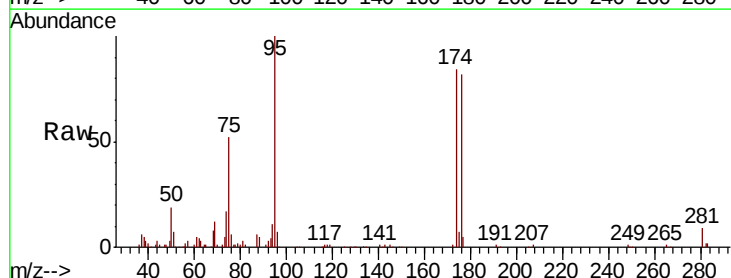
Tgt Ion: 75 Resp: 23956

Ion Ratio Lower Upper

75 100

53 0.3 70.9 106.3#

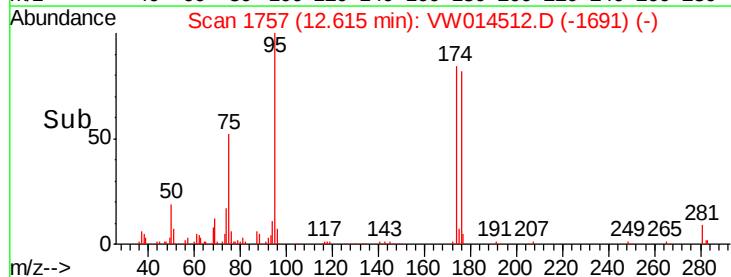
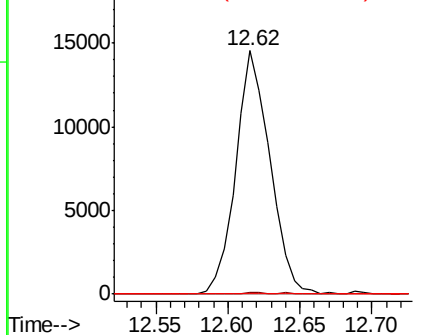
89 0.0 35.8 53.8#

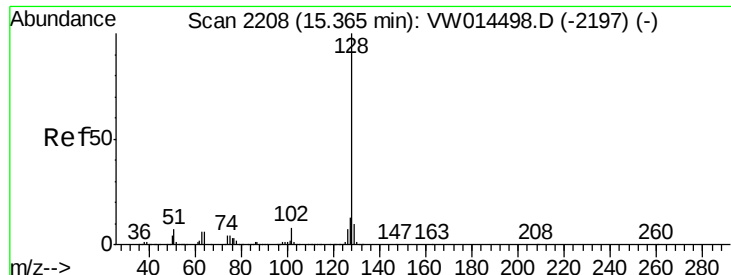


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.142 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

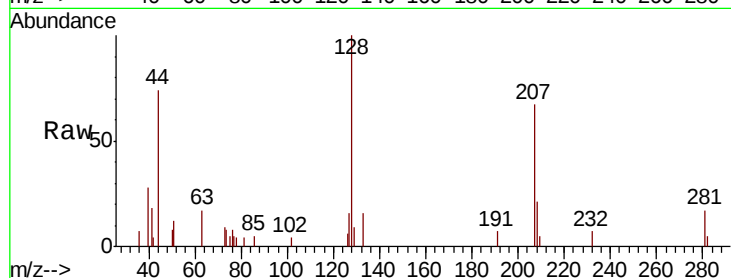
Lab File: VW014512.D

Acq: 03 Jan 2020 21:16

Instrument :

MSVOA_W

ClientSampleId :



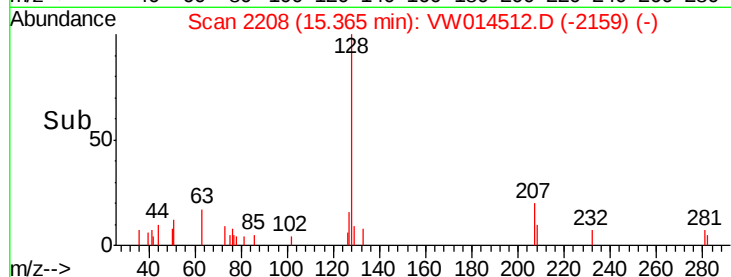
Tot Ion:128 Resp: 2504

Ion Ratio Lower Upper

128 100

127 10.0 10.6 15.8#

129 8.1 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

