

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014558.D
 Acq On : 08 Jan 2020 14:01
 Operator : SY/VA
 Sample : K6476-05RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 14:31:07 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	665549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1051063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	839883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	327747	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	266576	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	288512	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.32	98	1159529	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.62	95	341462	40.16	ug/l	0.00
Spiked Amount			Recovery	=	80.32%	

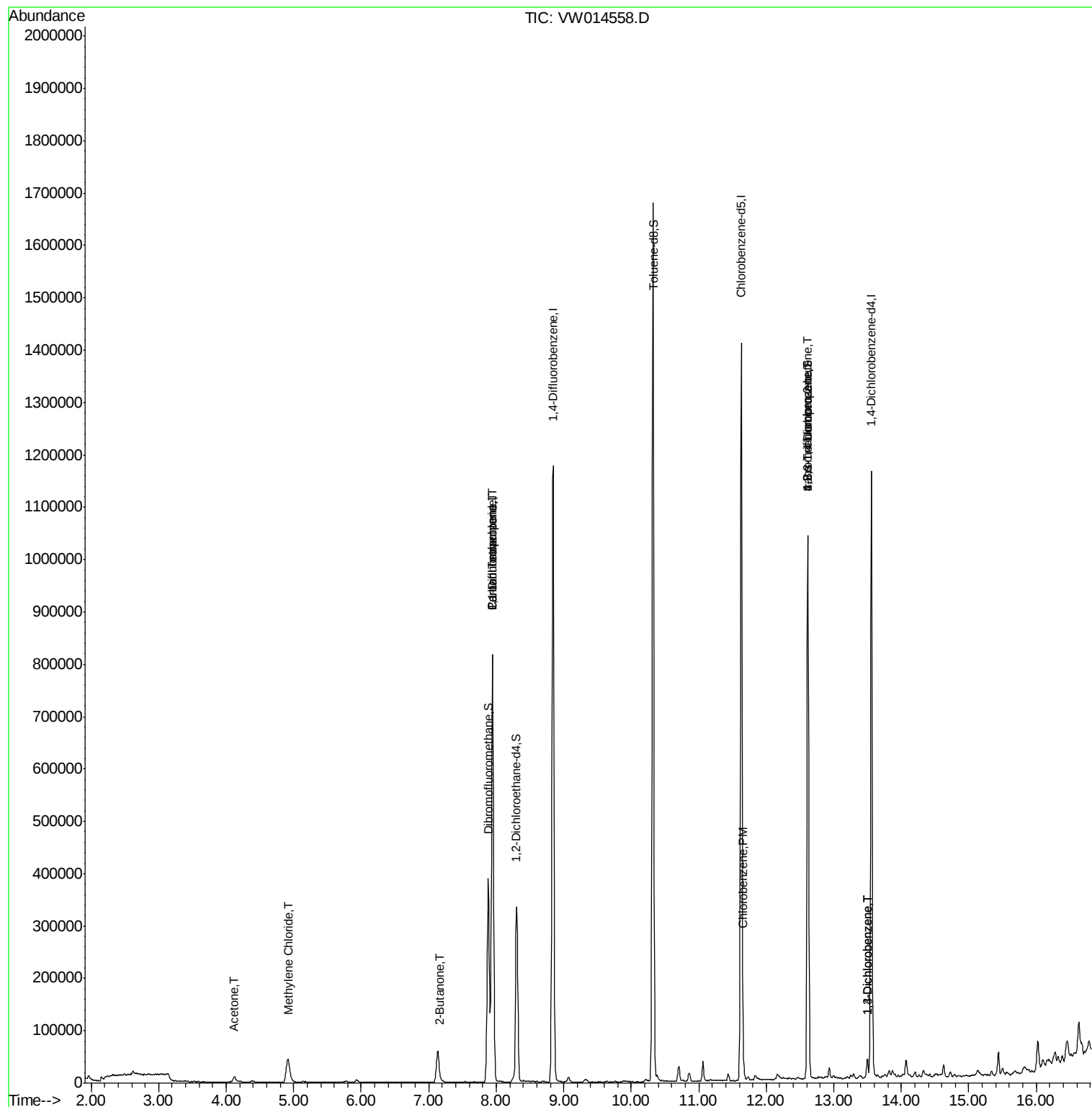
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	2979	Below Cal	#	80
16) Acetone	4.12	43	19941	12.136	ug/l	90
20) Methylene Chloride	4.92	84	41804	1.948	ug/l	95
25) 2-Butanone	7.17	43	4396	2.085	ug/l #	89
36) 1,1-Dichloropropene	7.95	75	46050	4.545	ug/l #	49
38) Carbon Tetrachloride	7.95	117	59932	6.818	ug/l #	15
65) Chlorobenzene	11.66	112	19292	1.121	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	160366	51.751	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	160366	115.303	ug/l #	14
87) 1,3-Dichlorobenzene	13.50	146	13402	1.234	ug/l	94
88) 1,4-Dichlorobenzene	13.50	146	13402	1.250	ug/l	93

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

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Quant Time: Jan 08 14:31:07 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: VW014558.D

Acq: 08 Jan 2020 14:01

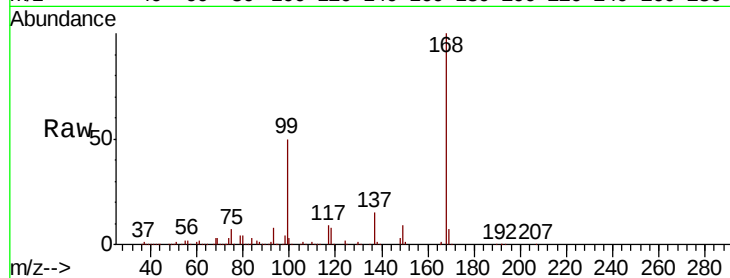
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 665549

Ion Ratio Lower Upper

168 100

99 49.5 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

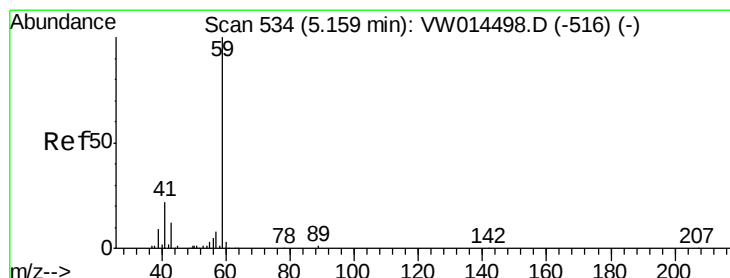
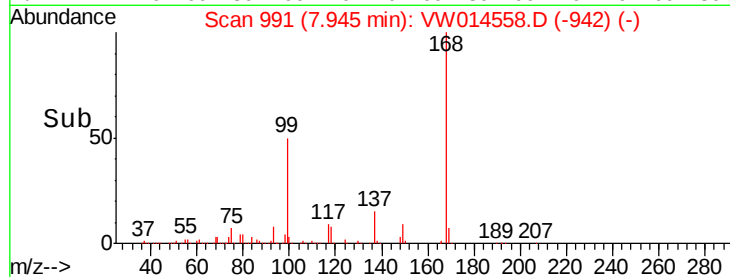
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW014558.D

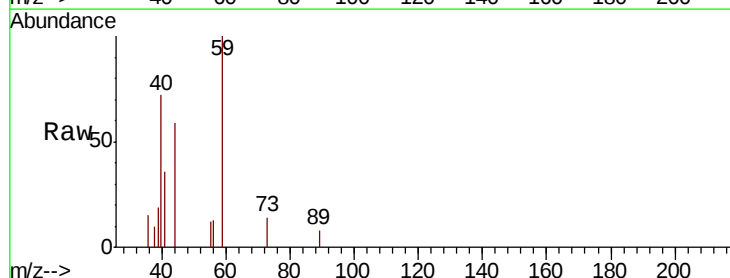
Acq: 08 Jan 2020 14:01

Tgt Ion: 59 Resp: 2979

Ion Ratio Lower Upper

59 100

57 2.6 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

800

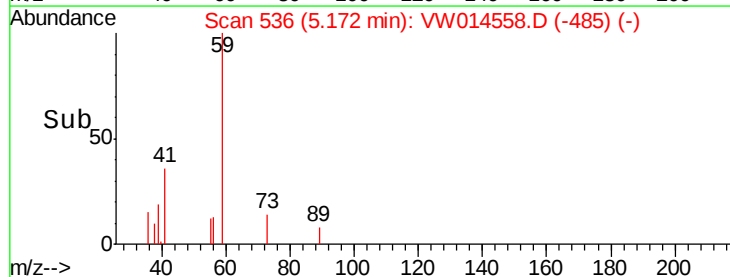
600

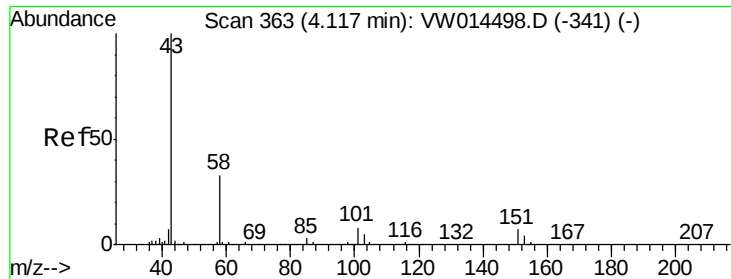
400

200

0

Time-->

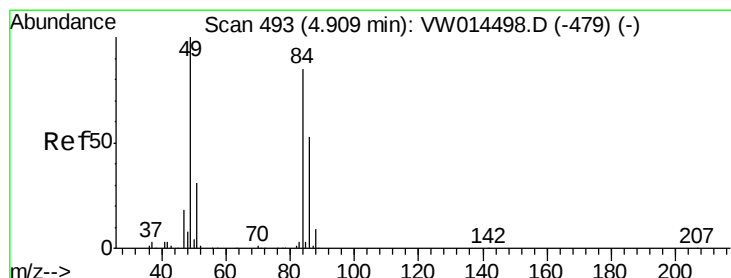
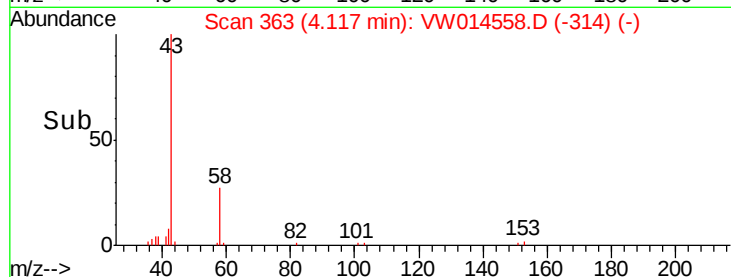
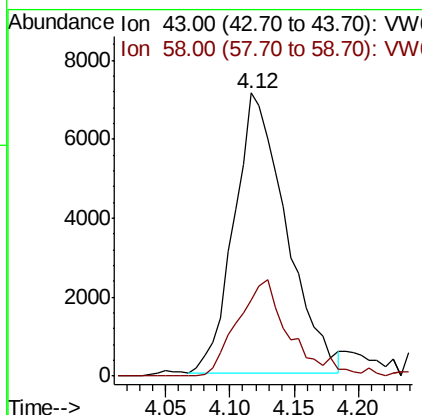
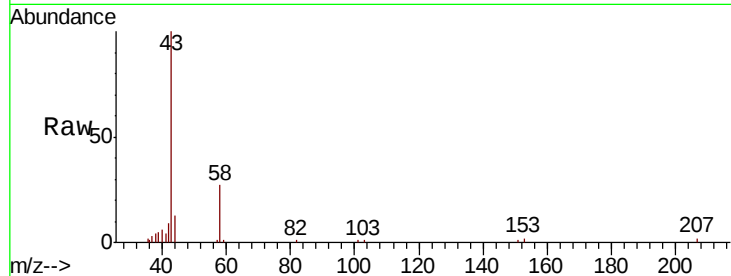




#16
Acetone
Concen: 12.136 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014558.D
Acq: 08 Jan 2020 14:01

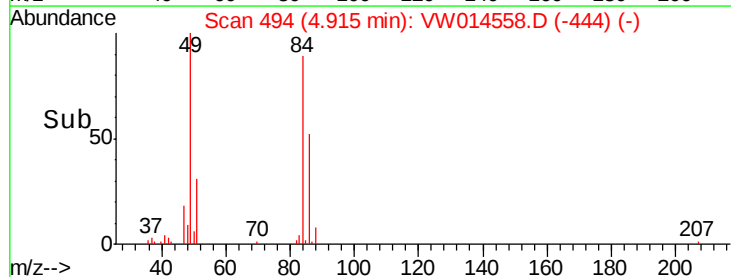
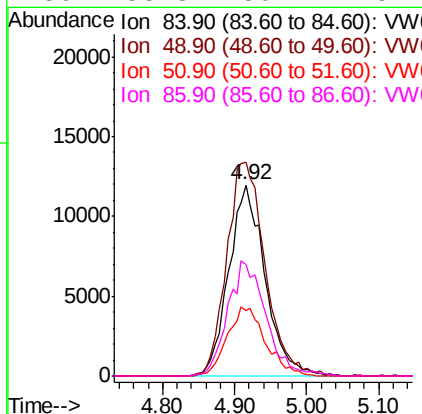
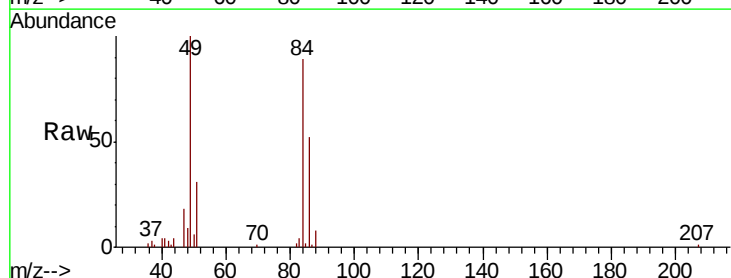
Instrument :
MSVOA_W
ClientSampleId :

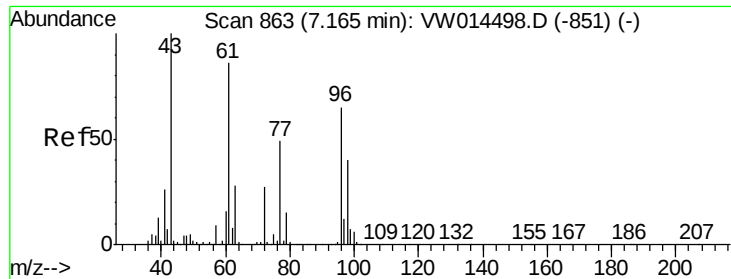
Tot Ion: 43 Resp: 19941
Ion Ratio Lower Upper
43 100
58 27.4 26.6 39.8



#20
Methylene Chloride
Concen: 1.948 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014558.D
Acq: 08 Jan 2020 14:01

Tgt Ion: 84 Resp: 41804
Ion Ratio Lower Upper
84 100
49 111.9 94.4 141.6
51 34.3 29.5 44.3
86 58.3 50.2 75.2





#25

2-Butanone

Concen: 2.085 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

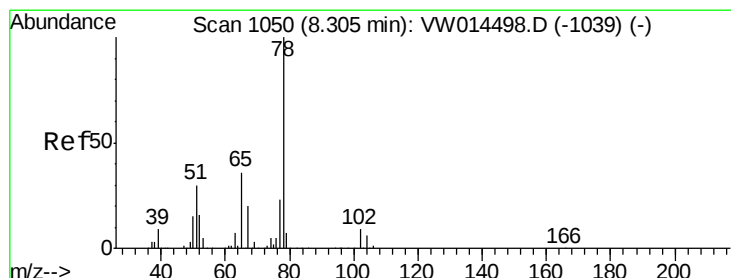
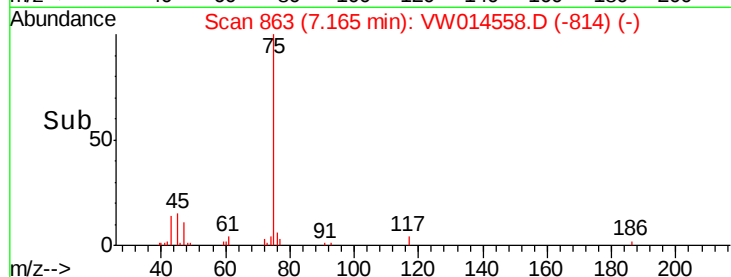
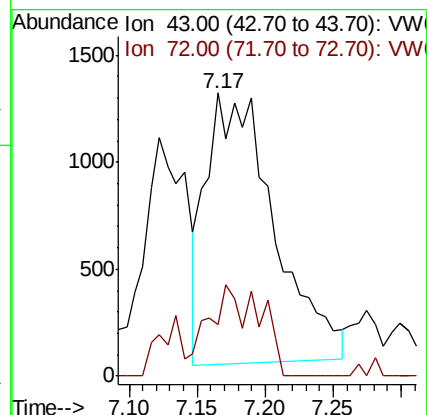
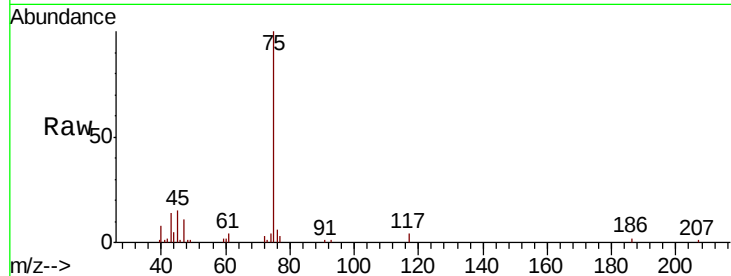
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4396

Ion Ratio Lower Upper

43 100

72 21.8 21.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 45.811 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014558.D

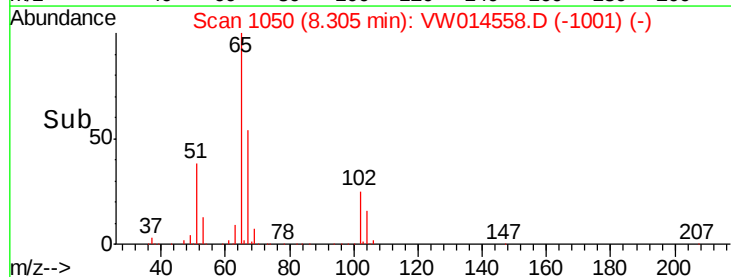
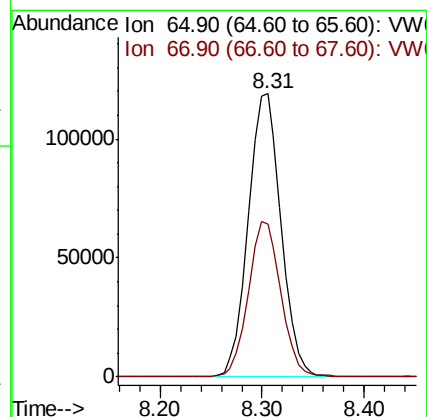
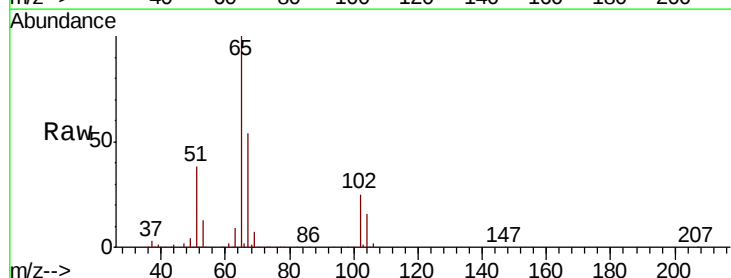
Acq: 08 Jan 2020 14:01

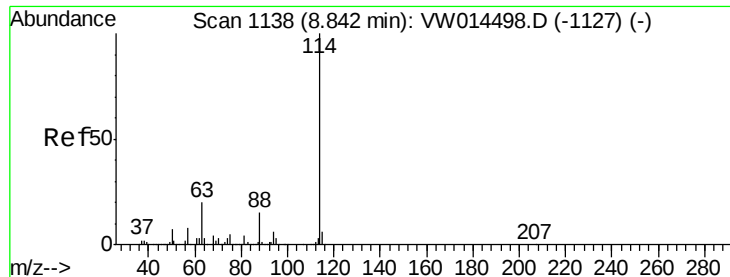
Tgt Ion: 65 Resp: 266576

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4

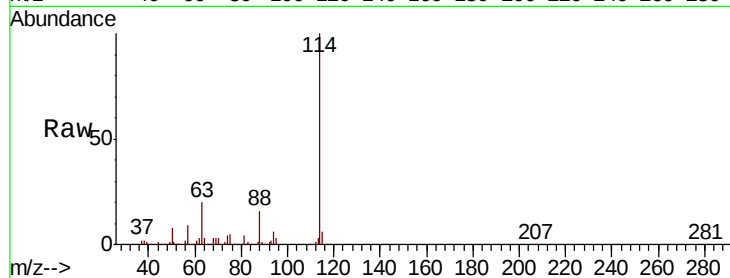




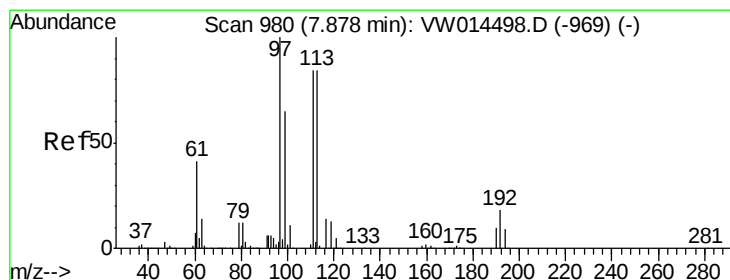
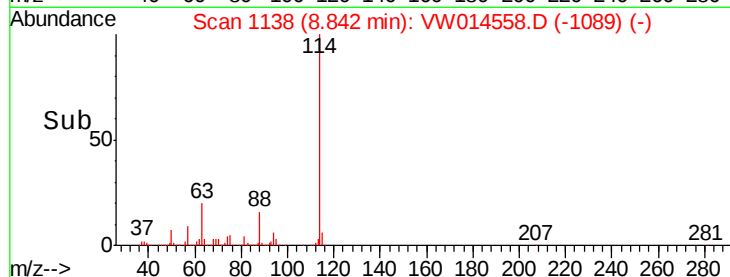
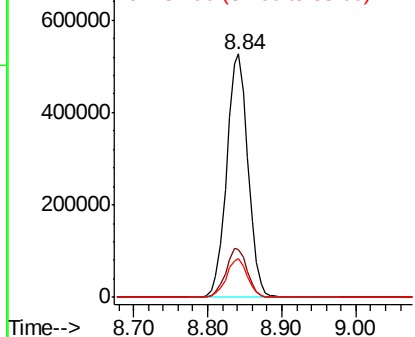
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW014558.D
Acq: 08 Jan 2020 14:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 1051063
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.4
88 16.0 0.0 30.6

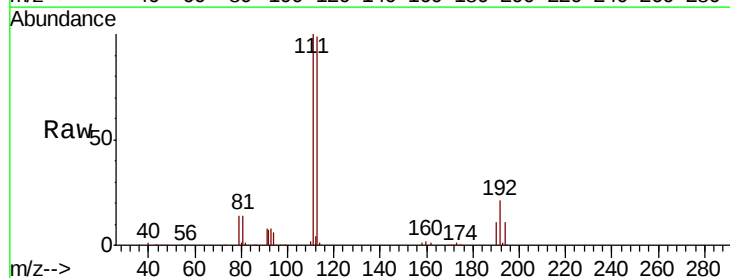


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

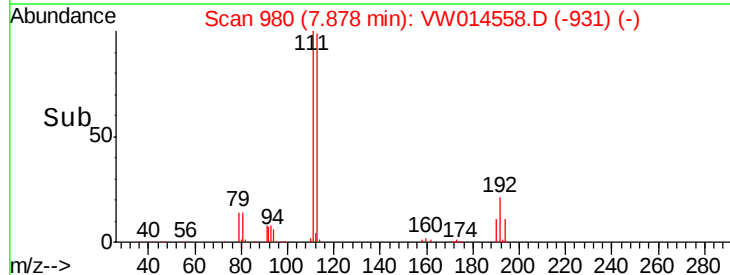
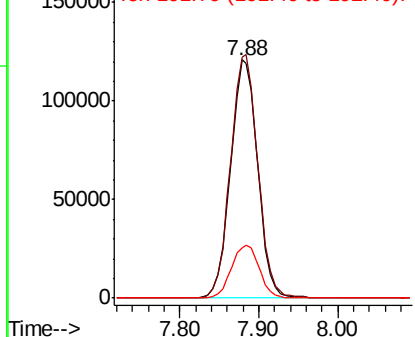


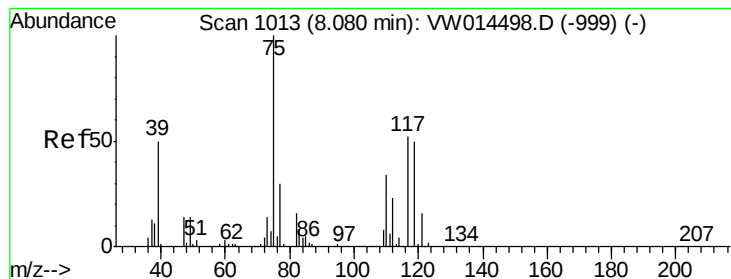
#35
Dibromofluoromethane
Concen: 48.029 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW014558.D
Acq: 08 Jan 2020 14:01

Tgt Ion:113 Resp: 288512
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.2
192 22.8 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: 4.545 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

Instrument :

MSVOA_W

ClientSampled :

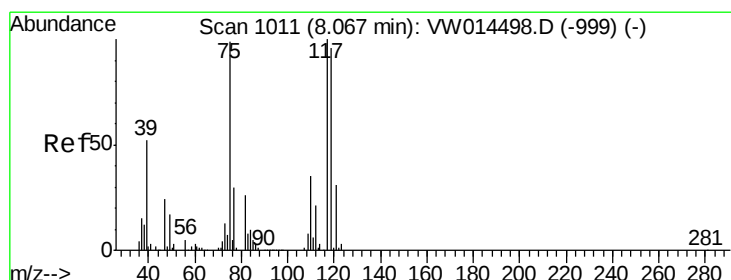
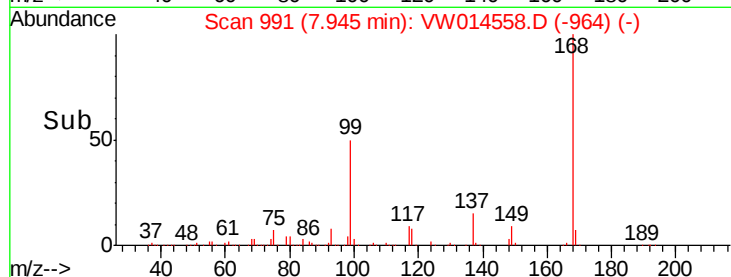
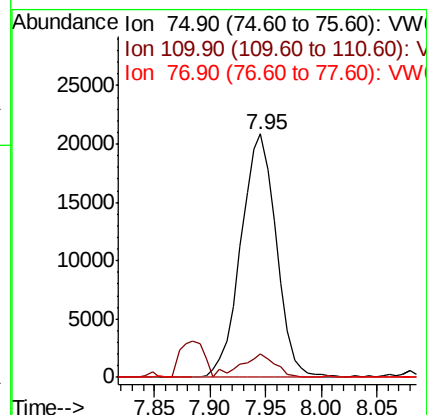
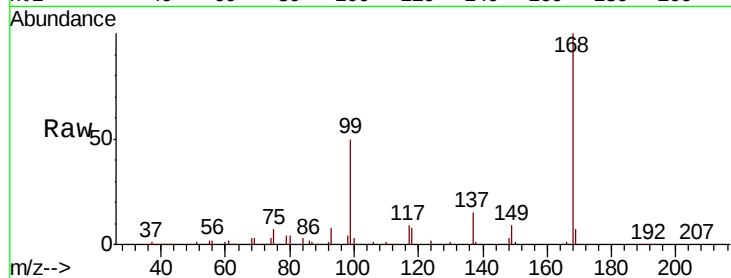
Tot Ion: 75 Resp: 46050

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.5#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.818 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

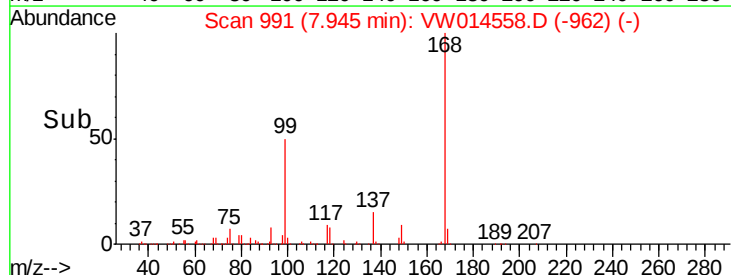
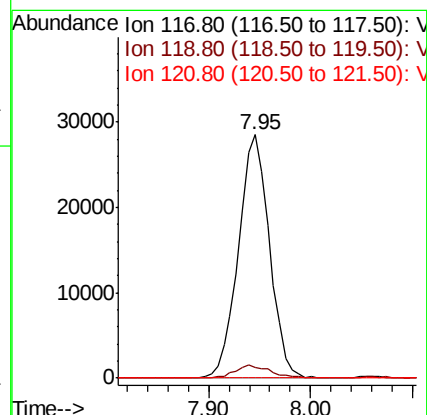
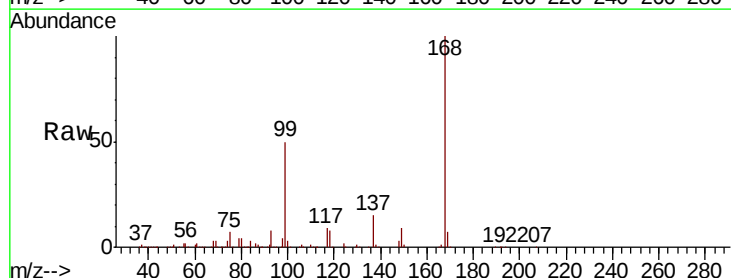
Tgt Ion: 117 Resp: 59932

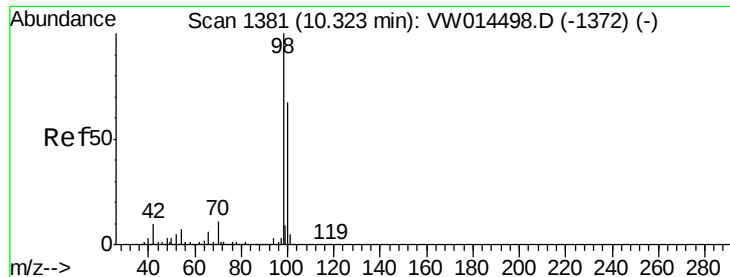
Ion Ratio Lower Upper

117 100

119 4.2 77.0 115.6#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 46.254 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

Instrument :

MSVOA_W

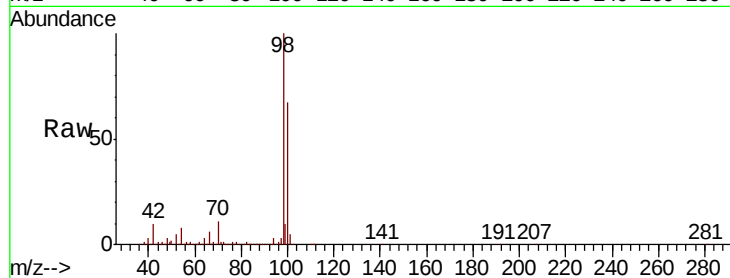
ClientSampleId :

Tot Ion: 98 Resp: 1159529

Ion Ratio Lower Upper

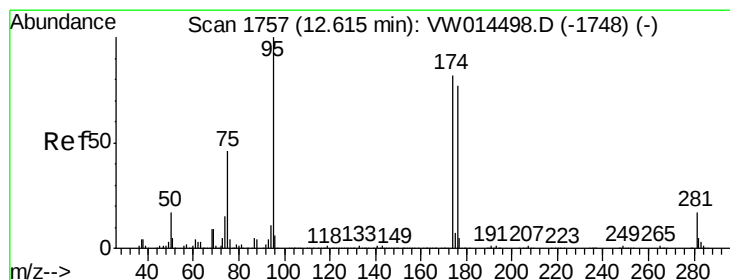
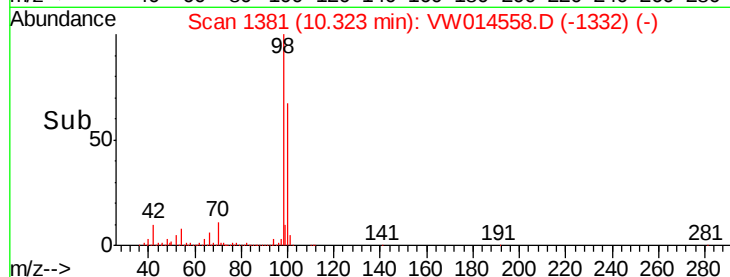
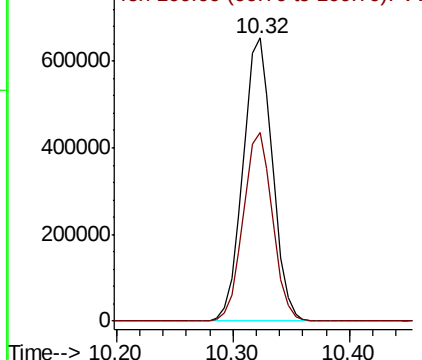
98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 40.158 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

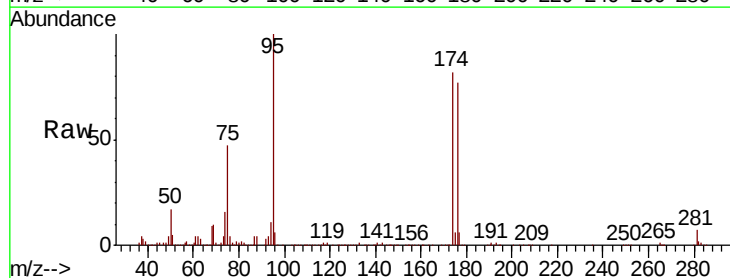
Tgt Ion: 95 Resp: 341462

Ion Ratio Lower Upper

95 100

174 86.5 0.0 168.6

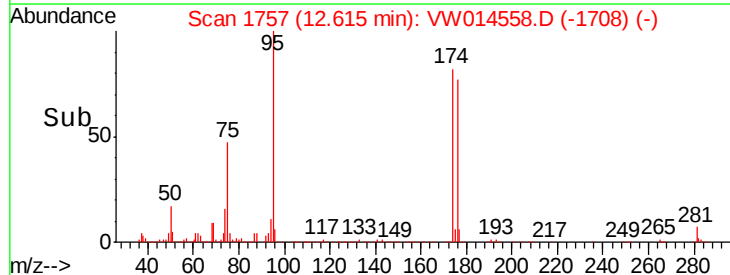
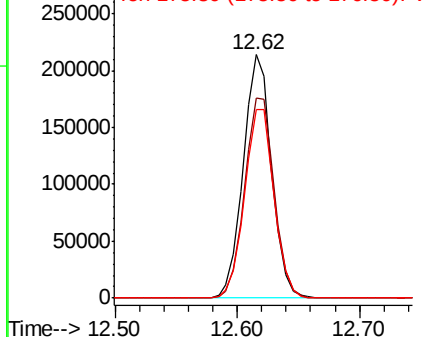
176 81.6 0.0 162.0

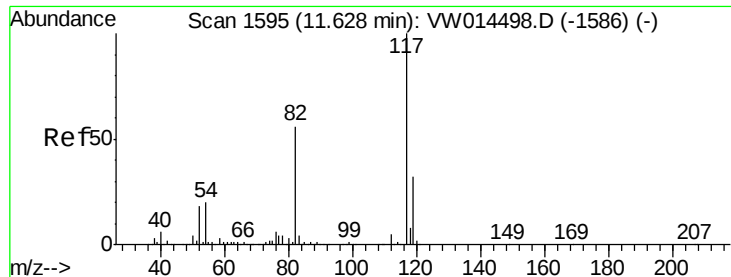


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

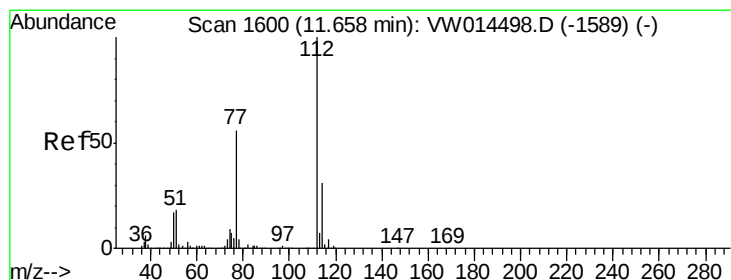
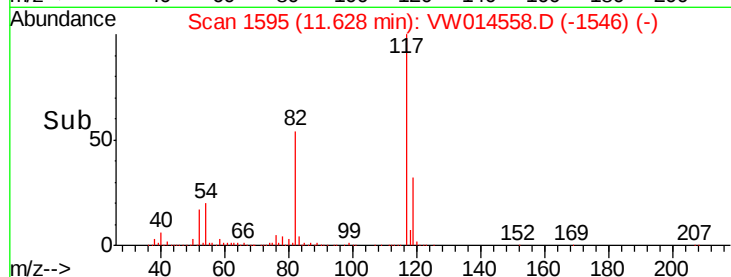
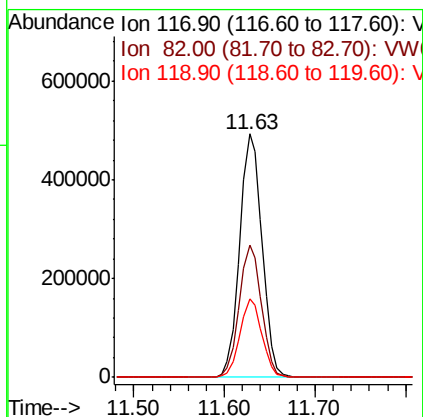
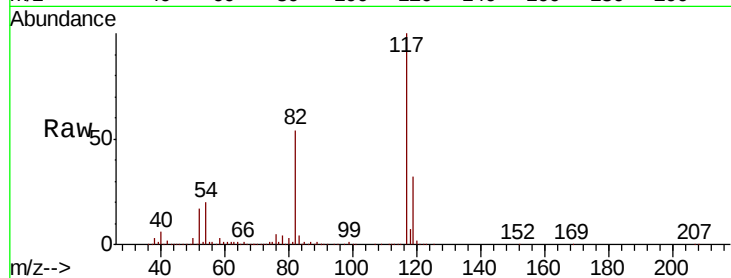




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014558.D
Acq: 08 Jan 2020 14:01

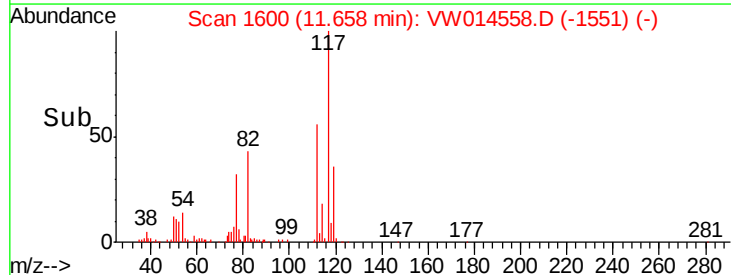
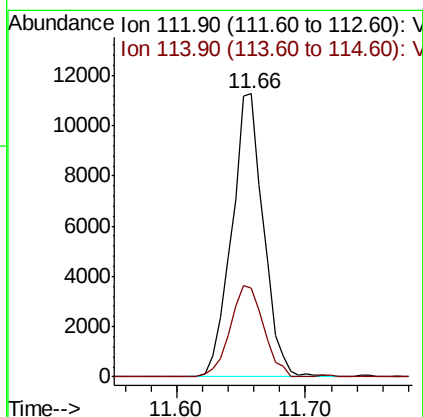
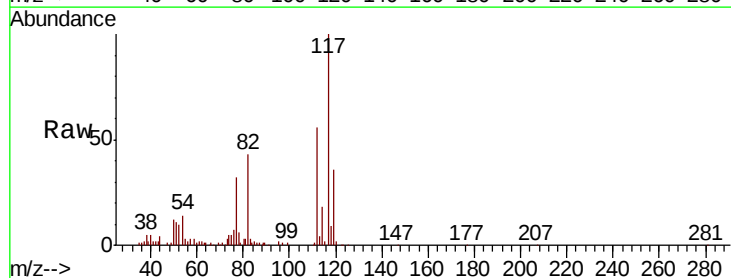
Instrument :
MSVOA_W
ClientSampleId :

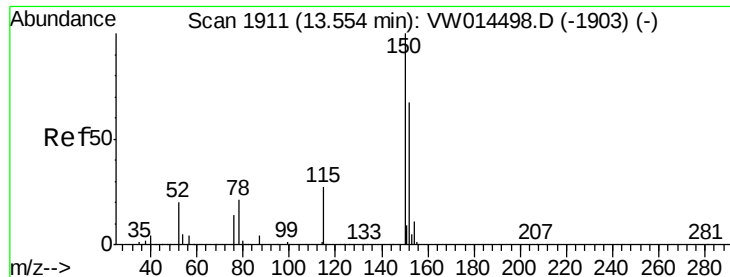
Tot Ion:117 Resp: 839883
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 32.0 25.7 38.5



#65
Chlorobenzene
Concen: 1.121 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014558.D
Acq: 08 Jan 2020 14:01

Tgt Ion:112 Resp: 19292
Ion Ratio Lower Upper
112 100
114 31.4 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

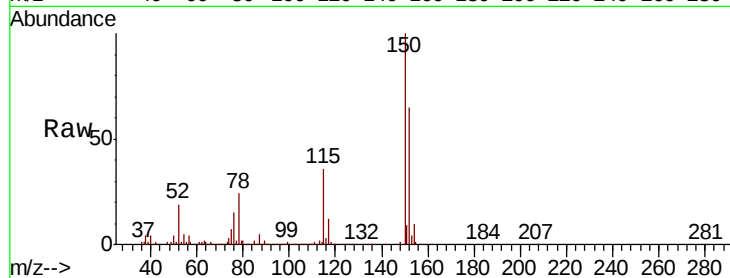
Tot Ion:152 Resp: 327747

Ion Ratio Lower Upper

152 100

115 56.5 27.7 83.1

150 155.7 0.0 343.4

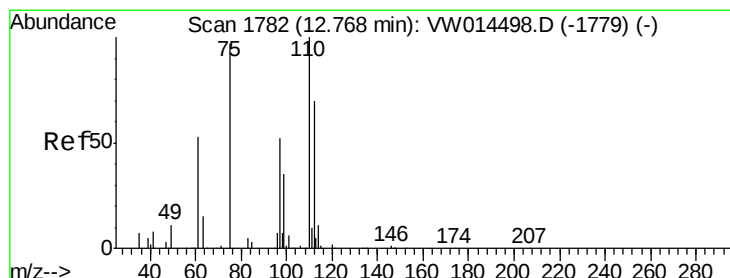
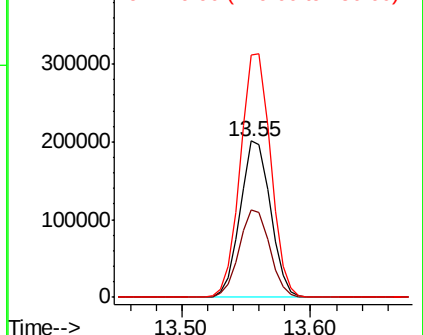
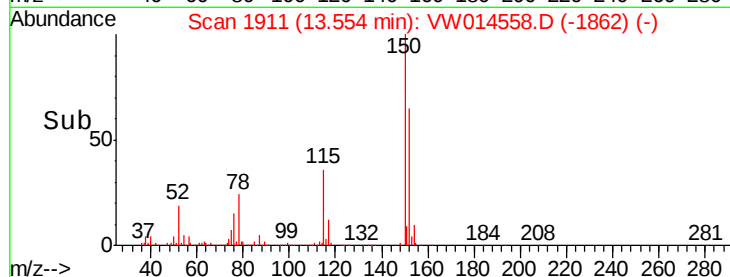


Abundance

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: 51.751 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014558.D

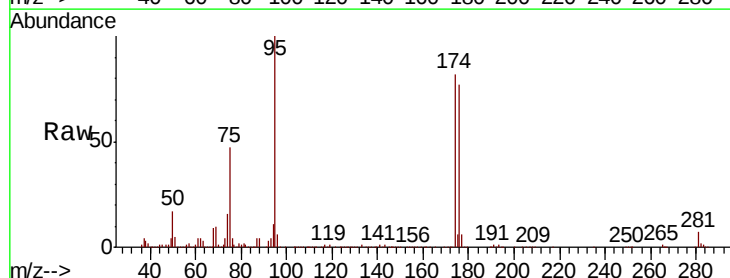
Acq: 08 Jan 2020 14:01

Tgt Ion: 75 Resp: 160366

Ion Ratio Lower Upper

75 100

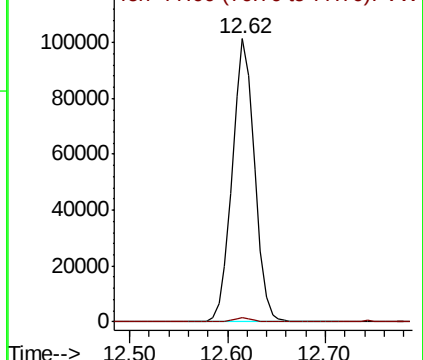
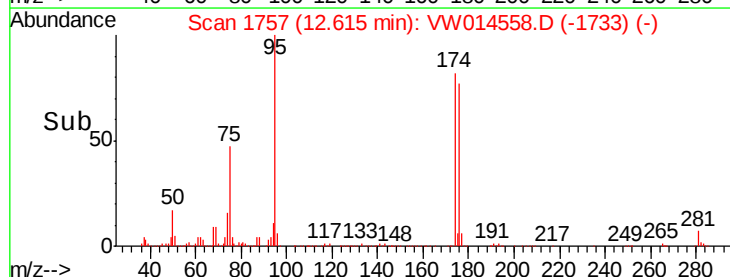
77 1.4 0.0 0.0#

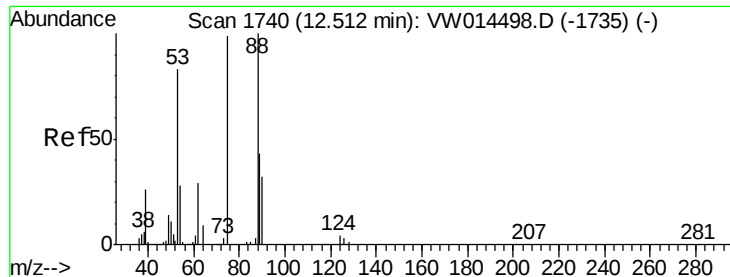


Abundance

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: 115.303 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

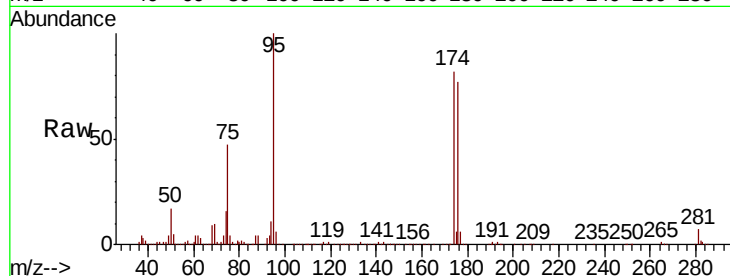
Tot Ion: 75 Resp: 160366

Ion Ratio Lower Upper

75 100

53 0.1 70.9 106.3#

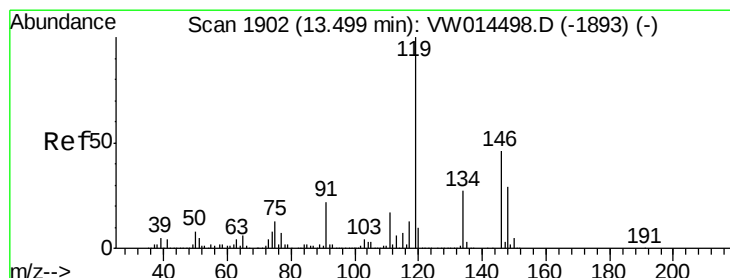
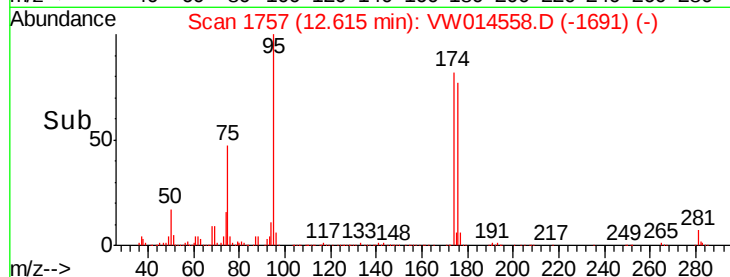
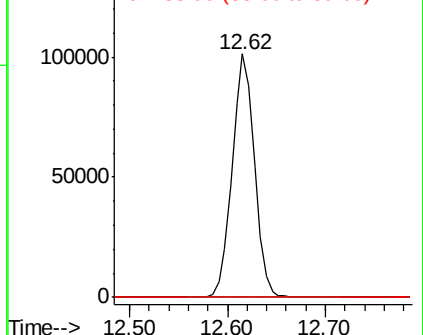
89 0.1 35.8 53.8#



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



#87

1,3-Dichlorobenzene

Concen: 1.234 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

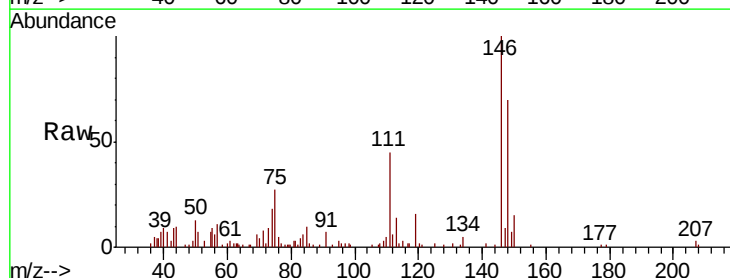
Tgt Ion: 146 Resp: 13402

Ion Ratio Lower Upper

146 100

111 47.9 19.3 57.9

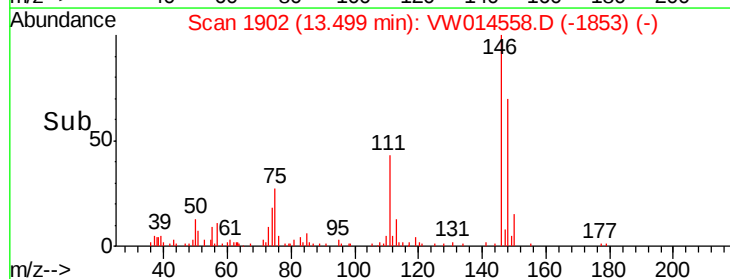
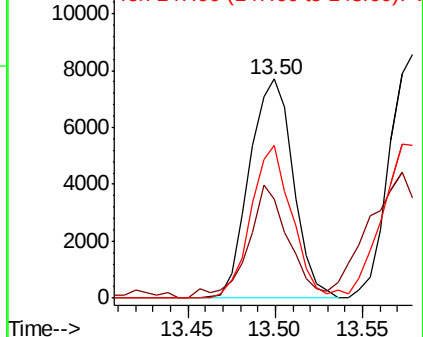
148 64.4 31.8 95.4

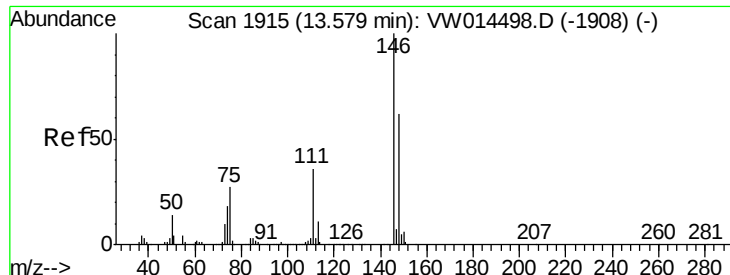


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.250 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.08 min

Lab File: VW014558.D

Acq: 08 Jan 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

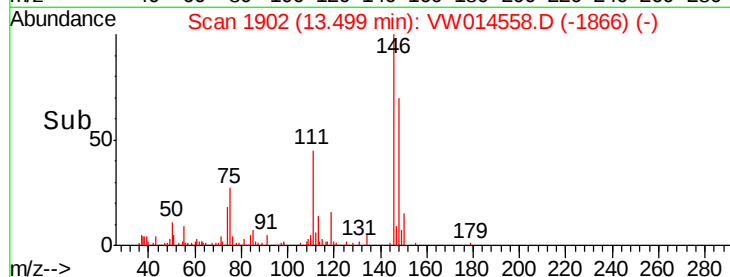
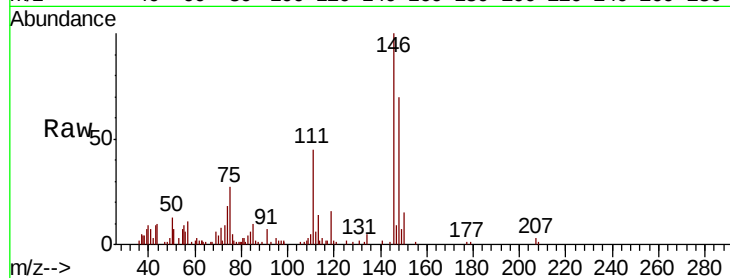
Tot Ion:146 Resp: 13402

Ion Ratio Lower Upper

146 100

111 47.9 18.7 56.1

148 64.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

