

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014521.D
 Acq On : 06 Jan 2020 14:10
 Operator : SY/VA
 Sample : K6479-03RE
 Misc : 6.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 Q091-SB-03RE

Quant Time: Jan 07 02:40:39 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	705925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1098384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	732626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174895	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	340871	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	7.88	113	336268	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
50) Toluene-d8	10.32	98	1200761	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.62	95	251918	28.35	ug/l	0.00
Spiked Amount			Recovery	=	56.70%	

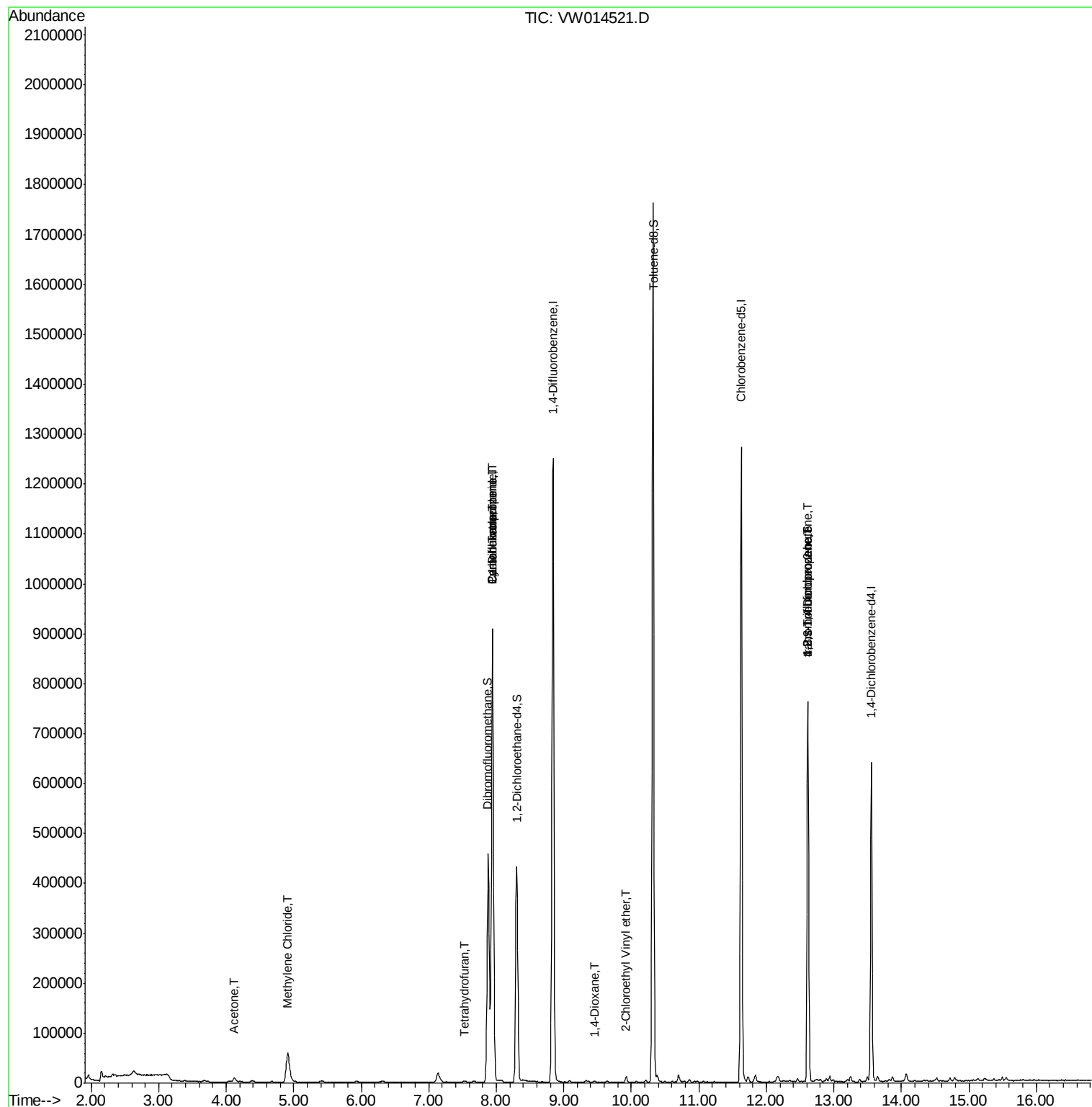
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1230	Below Cal	#	73
16) Acetone	4.12	43	17201	9.870	ug/l	100
20) Methylene Chloride	4.91	84	50909	2.973	ug/l	96
29) Tetrahydrofuran	7.52	42	2132	1.539	ug/l #	80
31) Cyclohexane	7.95	56	14286	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	50219	4.743	ug/l #	51
38) Carbon Tetrachloride	7.95	117	63993	6.966	ug/l #	16
49) 1,4-Dioxane	9.45	88	161	2.372	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.93	63	5248	2.505	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	121690	73.591	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	121690	163.963	ug/l #	14

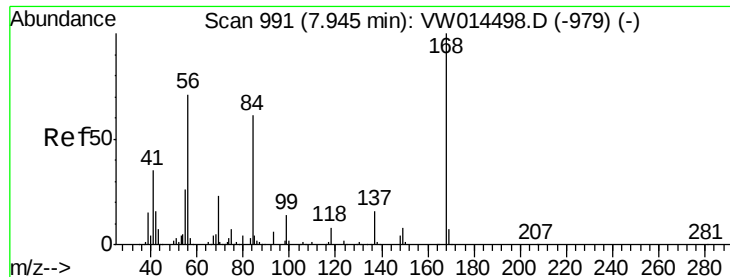
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
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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: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

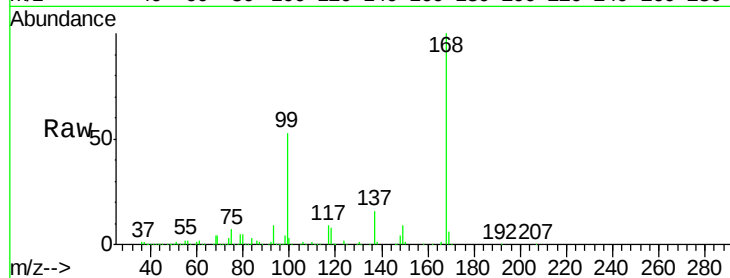
Q091-SB-03RE

Tgt Ion:168 Resp: 705925

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

7.95

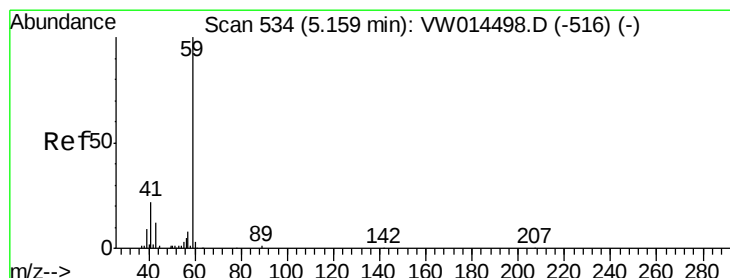
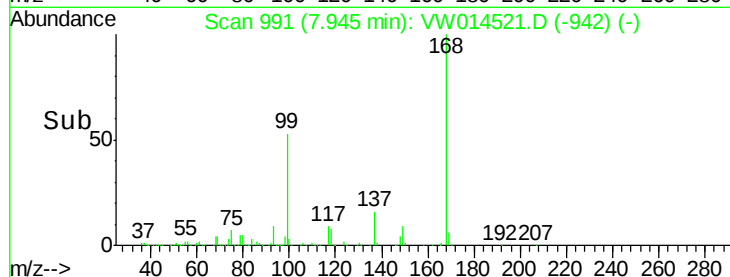
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014521.D

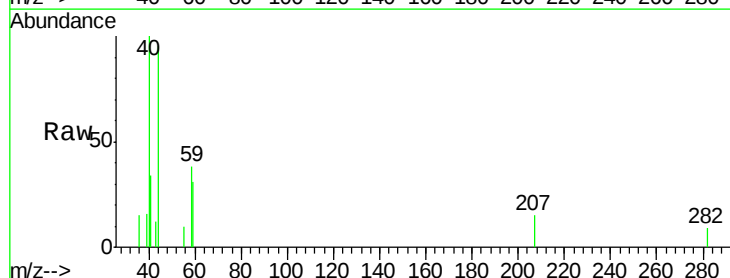
Acq: 06 Jan 2020 14:10

Tgt Ion: 59 Resp: 1230

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

5.16

500

400

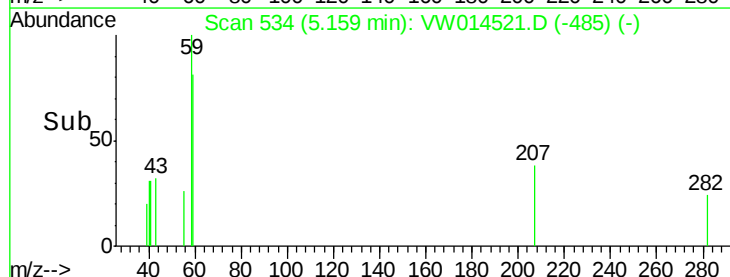
300

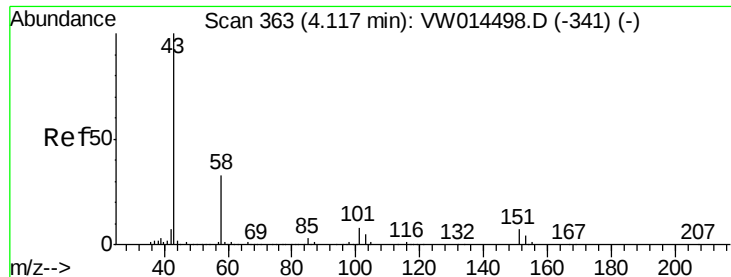
200

100

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 9.870 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

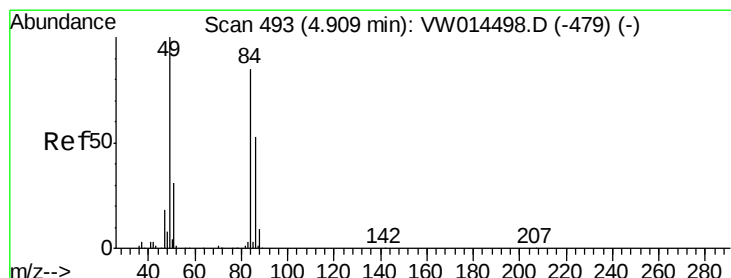
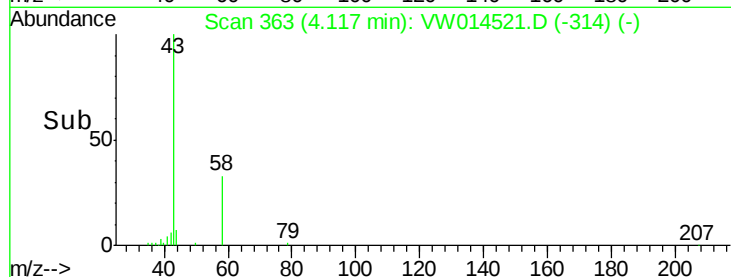
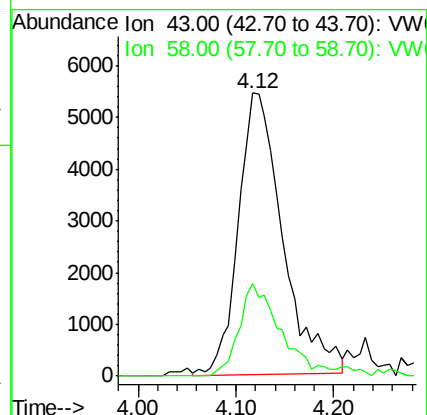
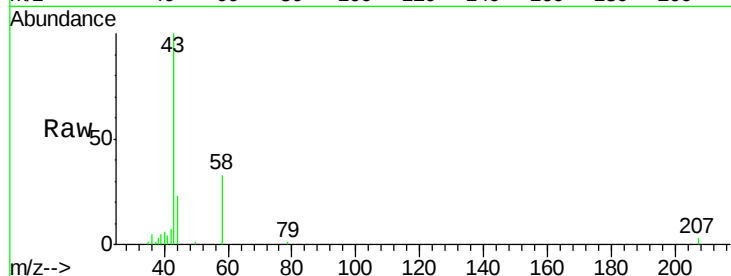
Q091-SB-03RE

Tgt Ion: 43 Resp: 17201

Ion Ratio Lower Upper

43 100

58 33.0 26.6 39.8



#20

Methylene Chloride

Concen: 2.973 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Tgt Ion: 84 Resp: 50909

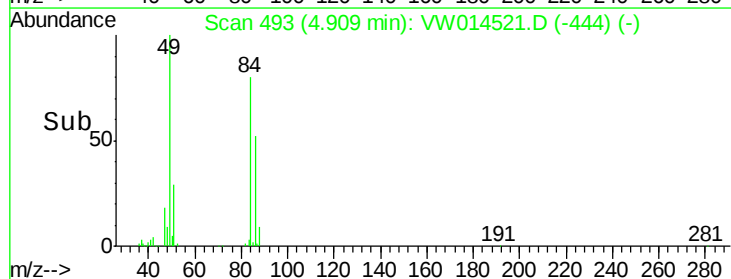
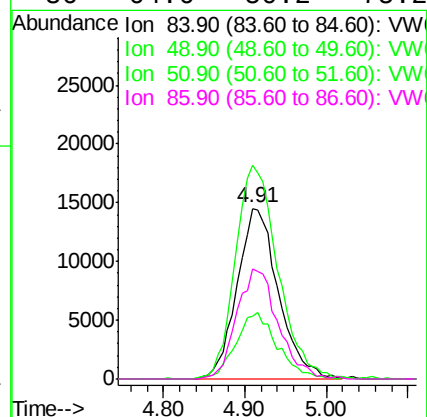
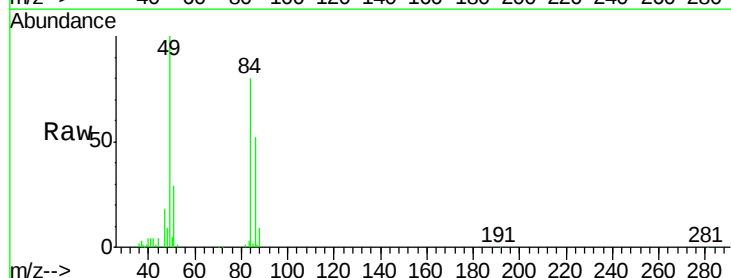
Ion Ratio Lower Upper

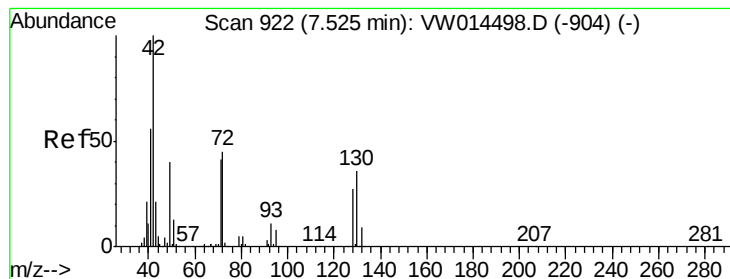
84 100

49 125.3 94.4 141.6

51 36.8 29.5 44.3

86 64.6 50.2 75.2





#29

Tetrahydrofuran

Concen: 1.539 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

Q091-SB-03RE

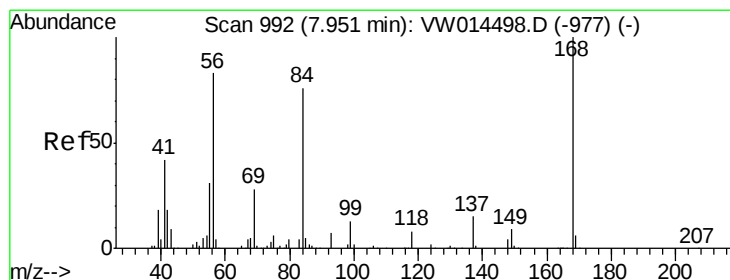
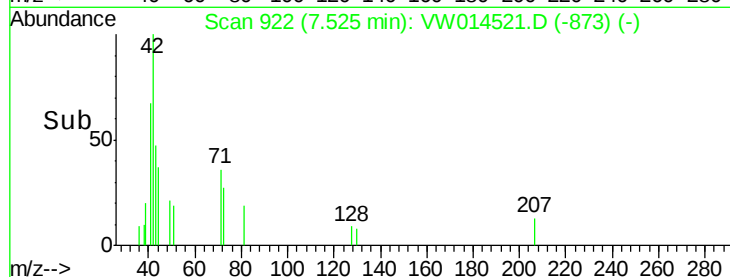
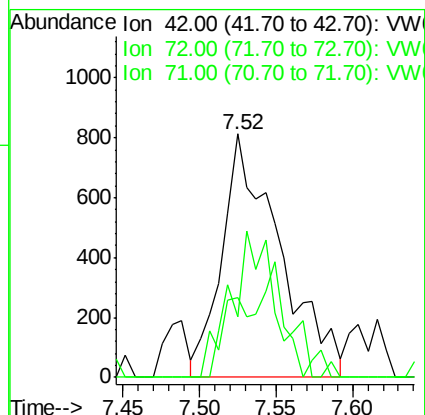
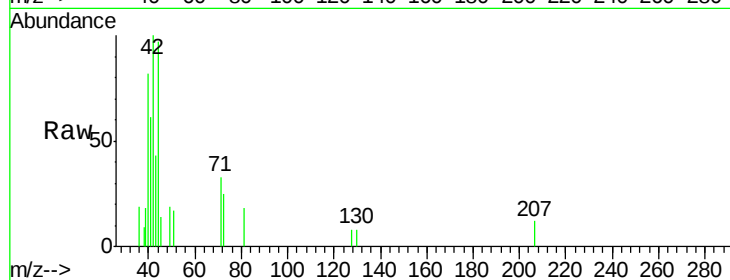
Tgt Ion: 42 Resp: 2132

Ion Ratio Lower Upper

42 100

72 45.5 34.5 51.7

71 16.7 32.0 48.0#



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

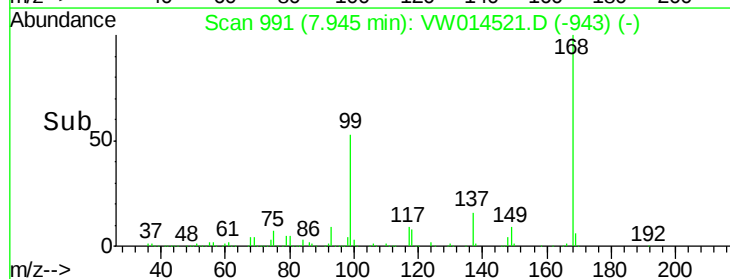
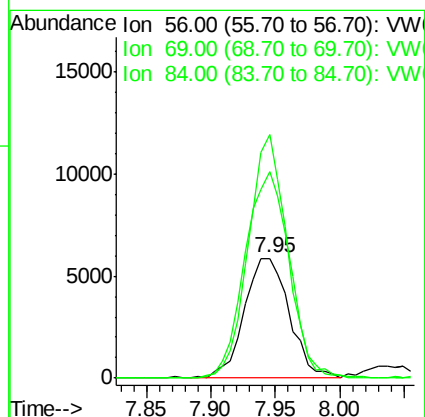
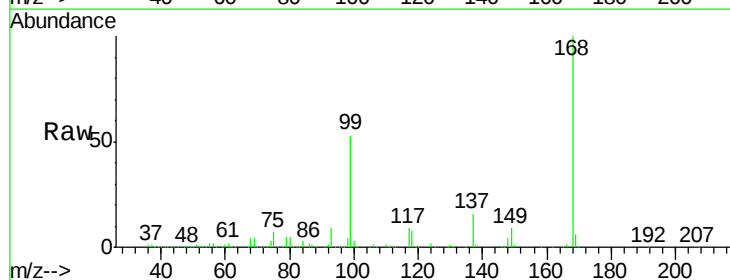
Tgt Ion: 56 Resp: 14286

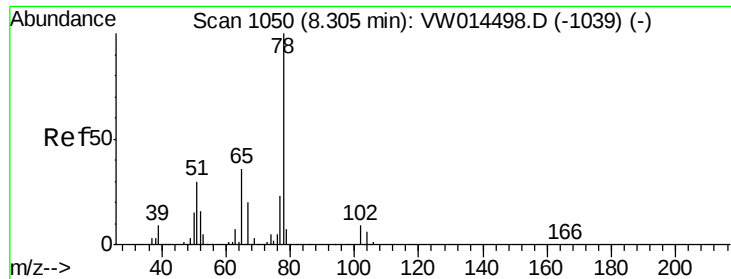
Ion Ratio Lower Upper

56 100

69 202.9 26.8 40.2#

84 171.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 55.229 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

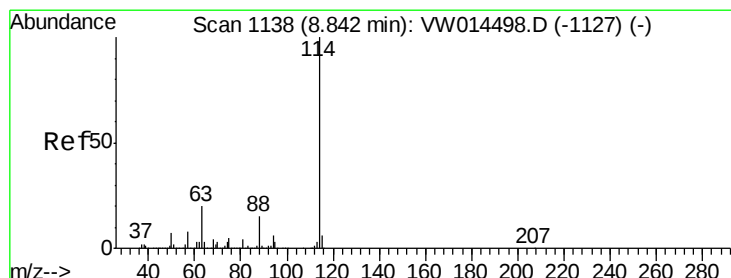
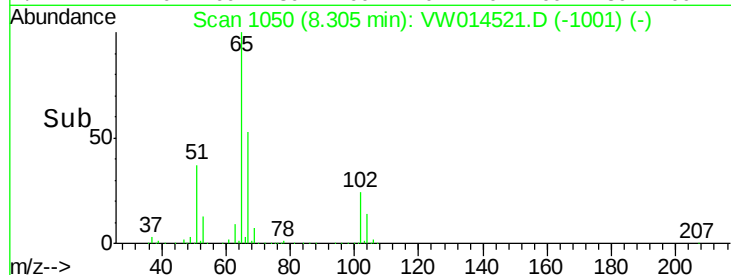
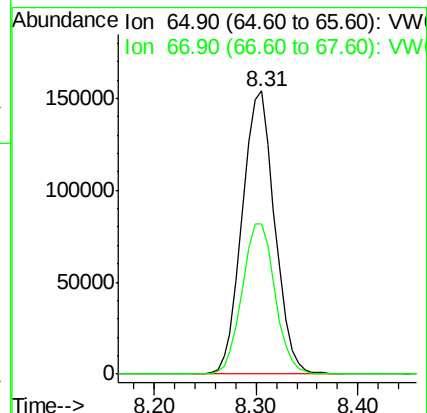
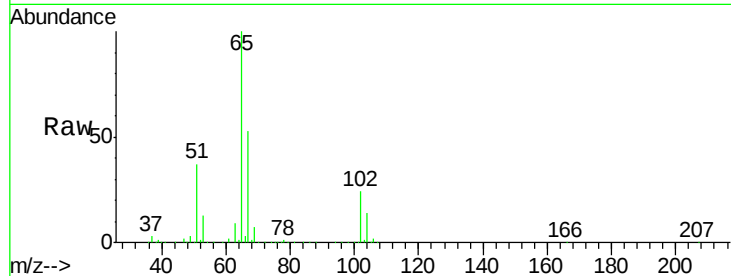
Q091-SB-03RE

Tgt Ion: 65 Resp: 340871

Ion Ratio Lower Upper

65 100

67 53.9 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: VW014521.D

Acq: 06 Jan 2020 14:10

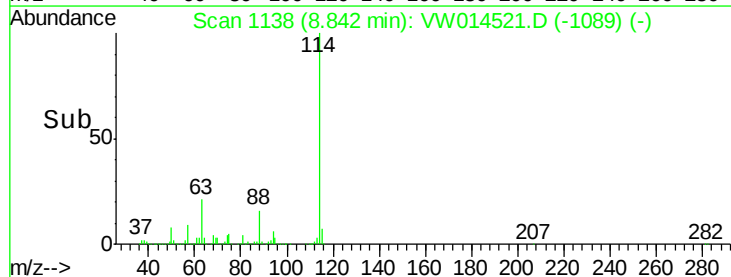
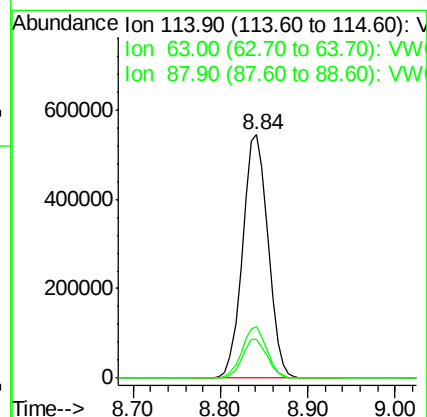
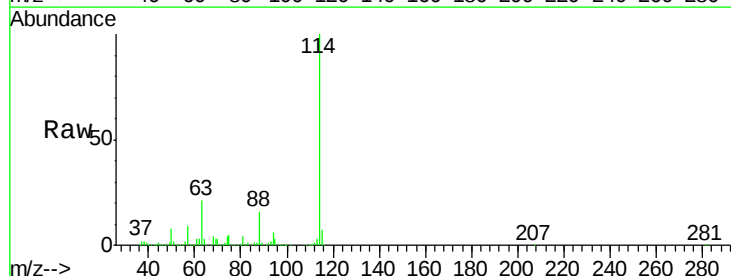
Tgt Ion: 114 Resp: 1098384

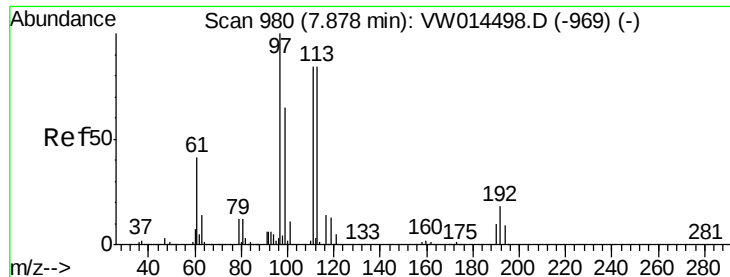
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.568 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

Q091-SB-03RE

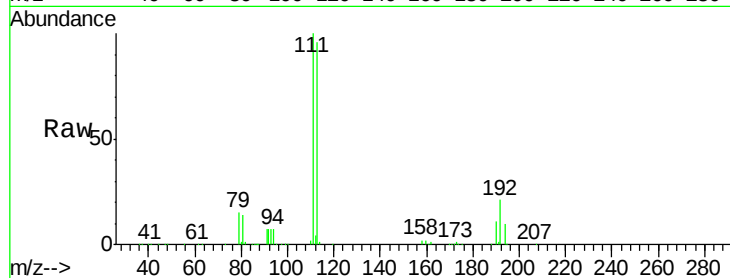
Tgt Ion:113 Resp: 336268

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.2

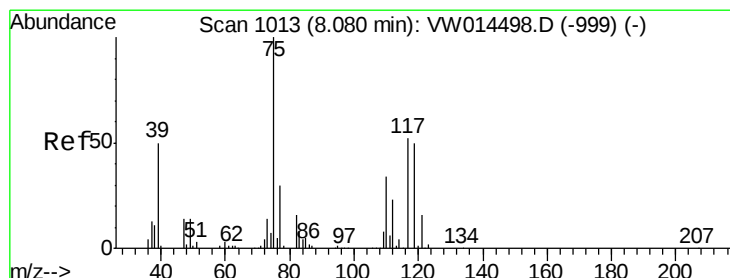
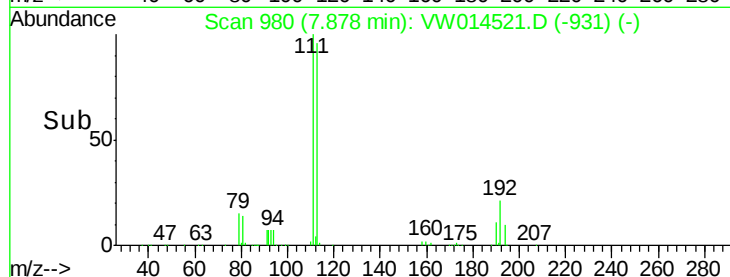
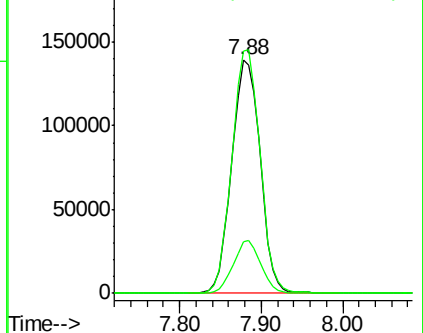
192 21.8 17.8 26.8



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: 4.743 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

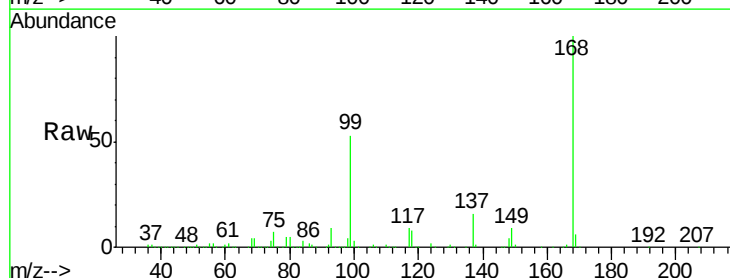
Tgt Ion: 75 Resp: 50219

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.5#

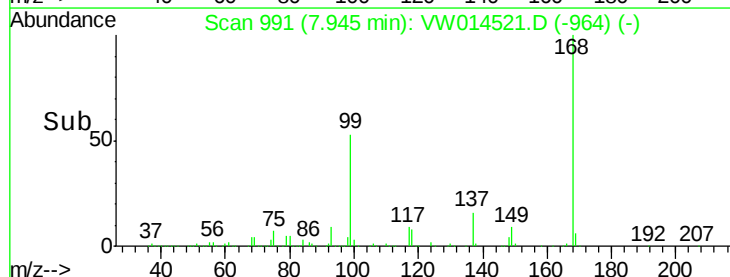
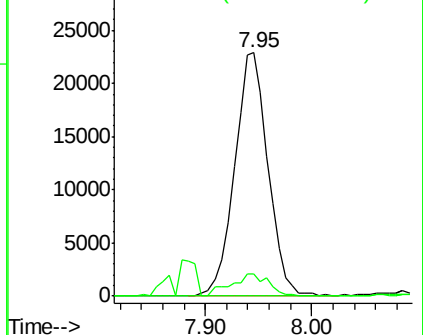
77 0.0 24.7 37.1#

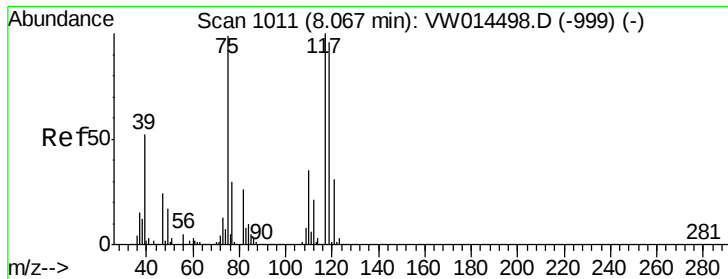


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

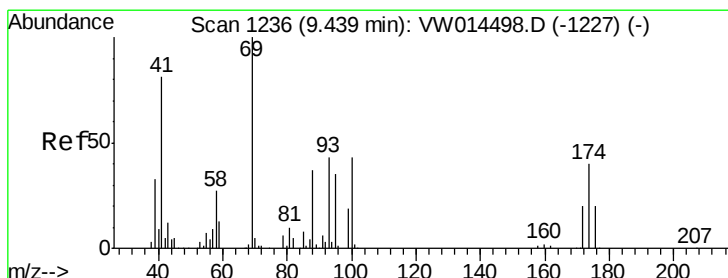
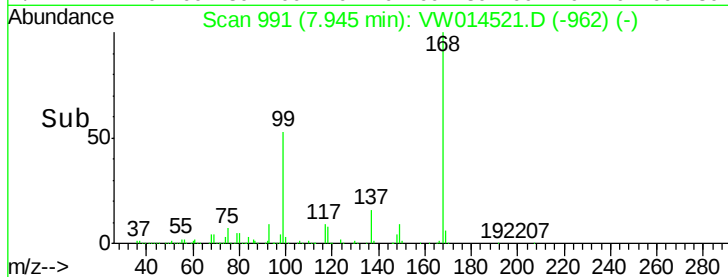
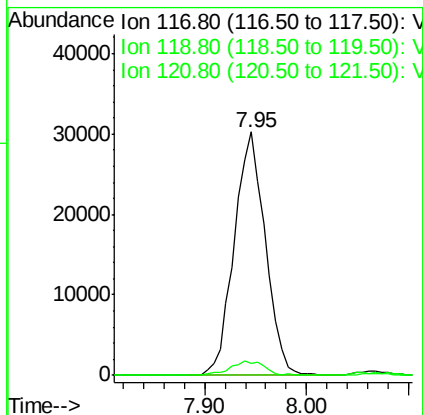
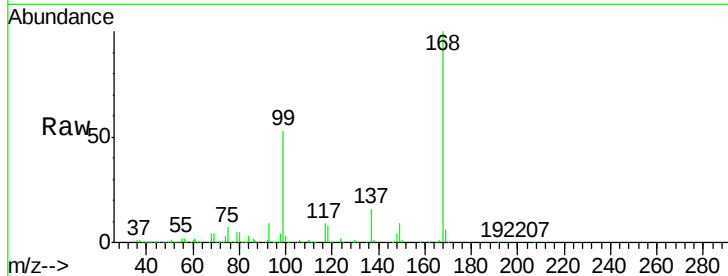




#38
Carbon Tetrachloride
Concen: 6.966 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014521.D
Acq: 06 Jan 2020 14:10

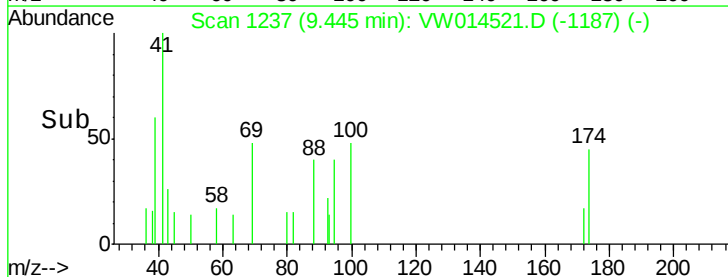
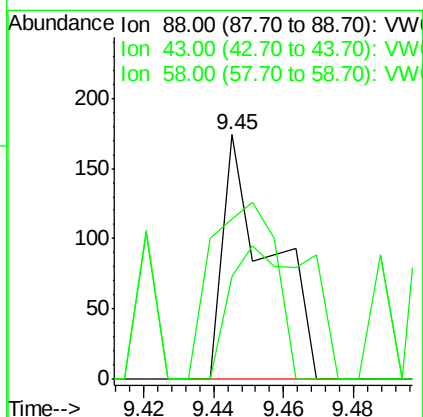
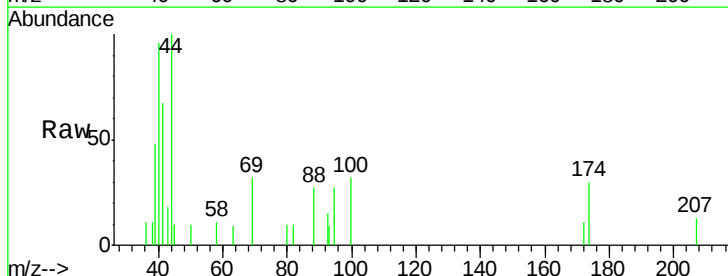
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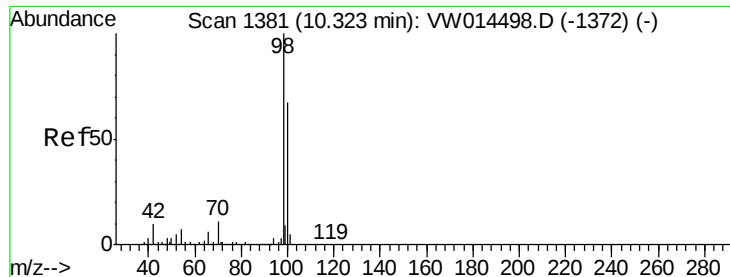
Tgt Ion: 117 Resp: 63993
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.6#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 2.372 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014521.D
Acq: 06 Jan 2020 14:10

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 100.0 24.9 37.3#
58 94.4 56.9 85.3#





#50

Toluene-d8

Concen: 45.835 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

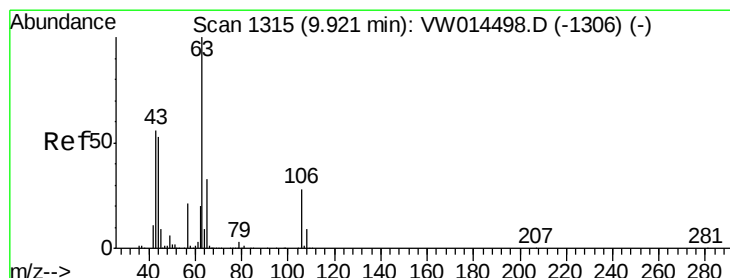
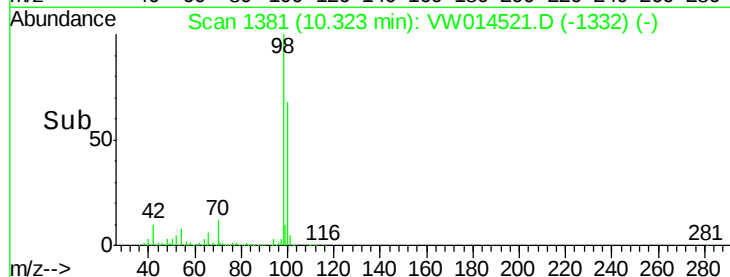
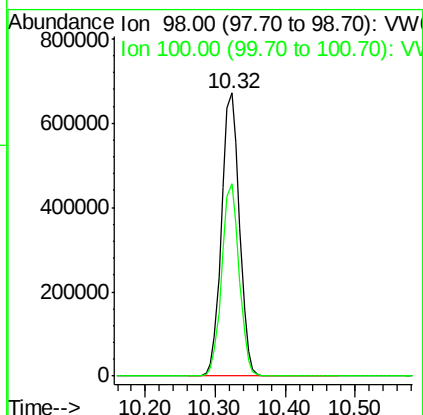
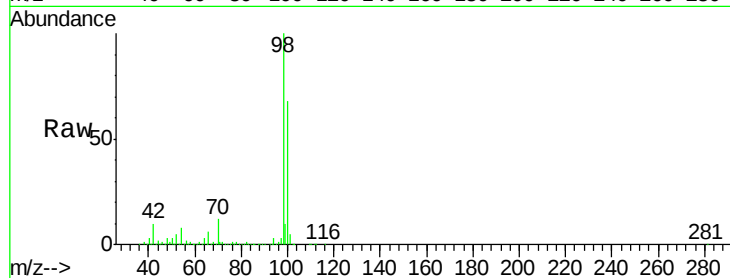
Q091-SB-03RE

Tgt Ion: 98 Resp: 1200761

Ion Ratio Lower Upper

98 100

100 65.8 53.8 80.6



#58

2-Chloroethyl Vinyl ether

Concen: 2.505 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW014521.D

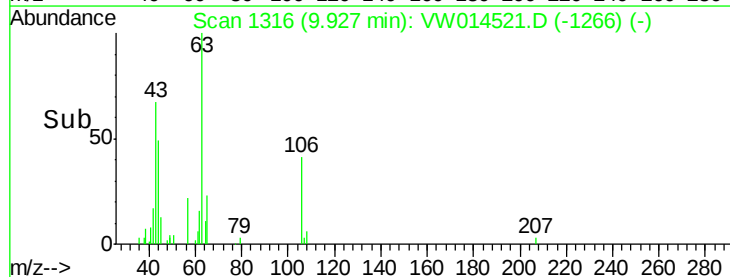
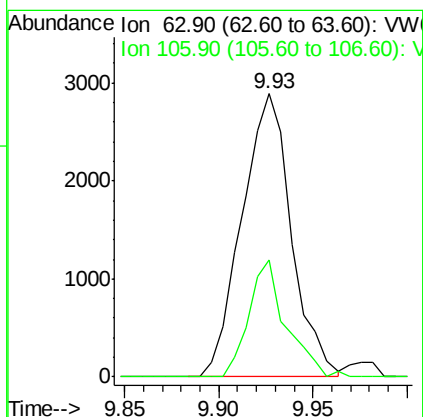
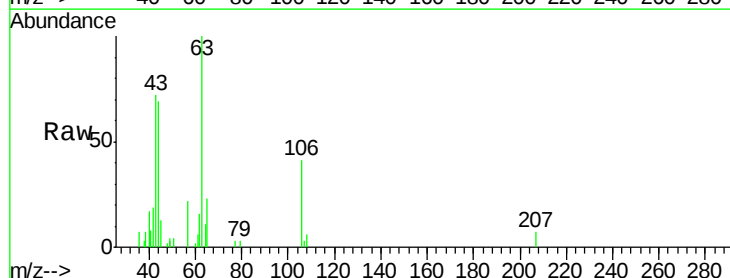
Acq: 06 Jan 2020 14:10

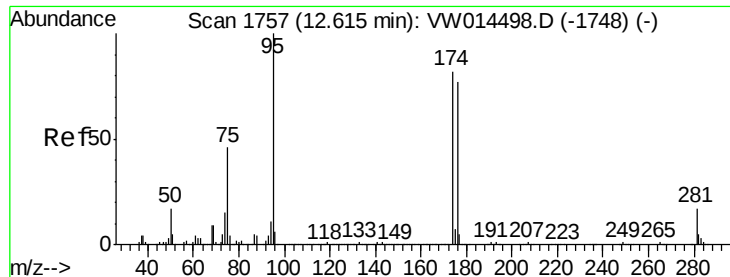
Tgt Ion: 63 Resp: 5248

Ion Ratio Lower Upper

63 100

106 30.9 23.0 34.6

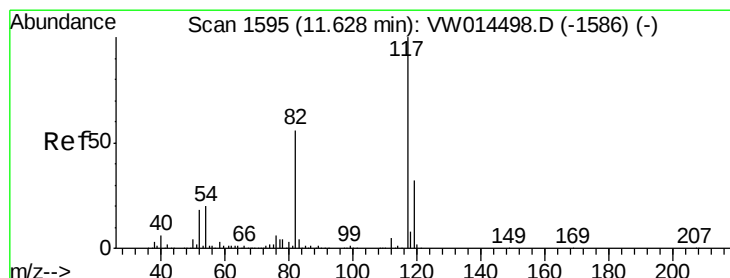
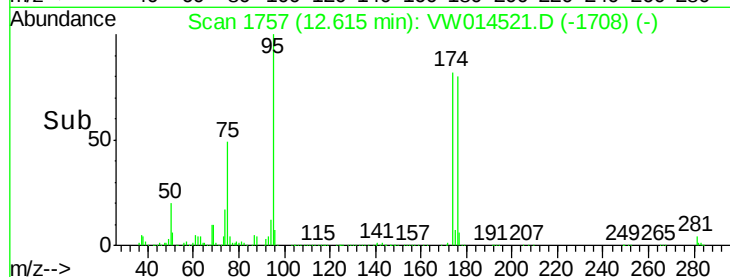
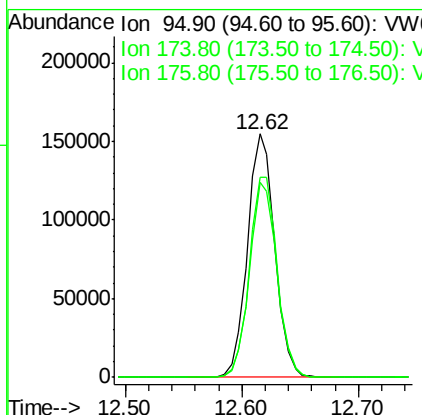
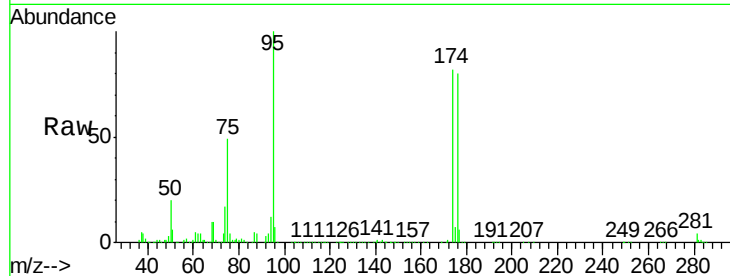




#62
4-Bromofluorobenzene
Concen: 28.351 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014521.D
Acq: 06 Jan 2020 14:10

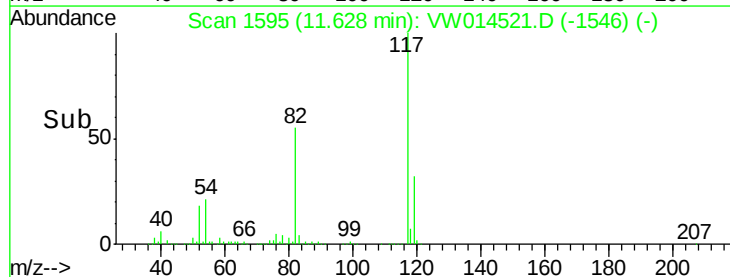
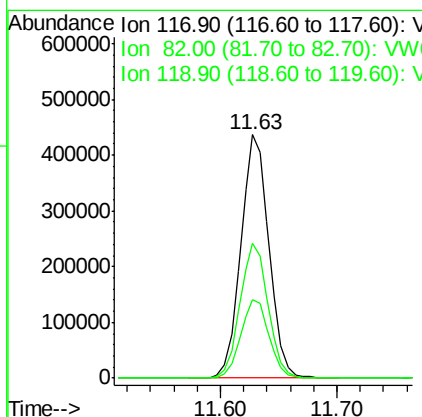
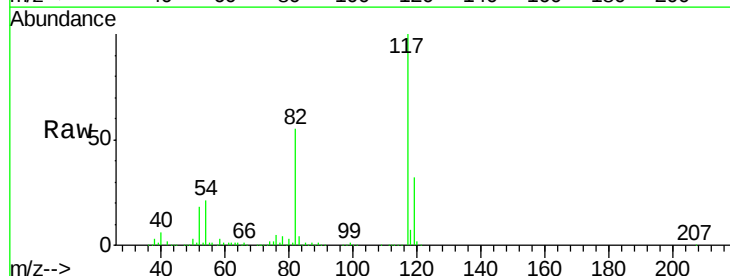
Instrument :
MSVOA_W
ClientSampleId :
Q091-SB-03RE

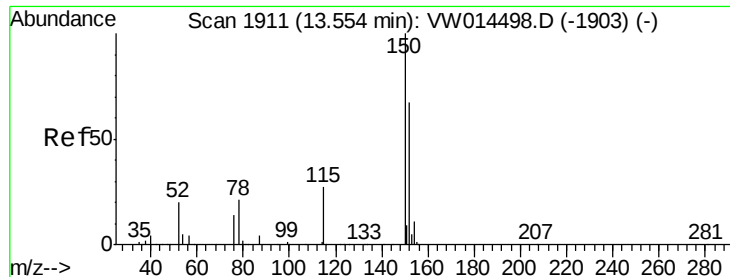
Tgt Ion: 95 Resp: 251918
Ion Ratio Lower Upper
95 100
174 84.4 0.0 168.6
176 80.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014521.D
Acq: 06 Jan 2020 14:10

Tgt Ion: 117 Resp: 732626
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

Q091-SB-03RE

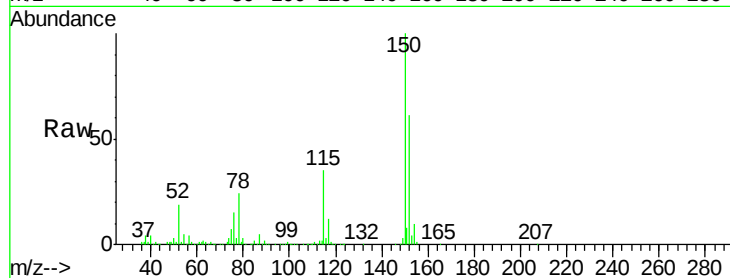
Tgt Ion: 152 Resp: 174895

Ion Ratio Lower Upper

152 100

115 57.6 27.7 83.1

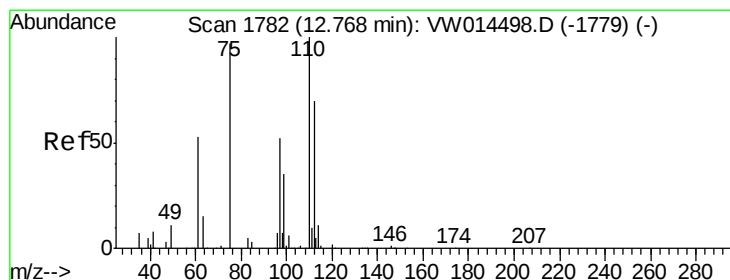
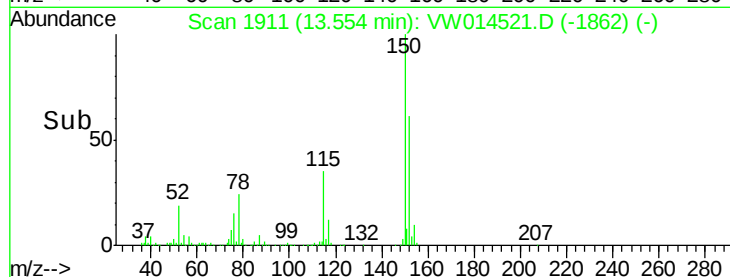
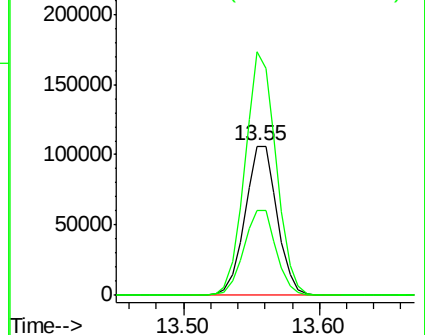
150 157.9 0.0 343.4



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: 73.591 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014521.D

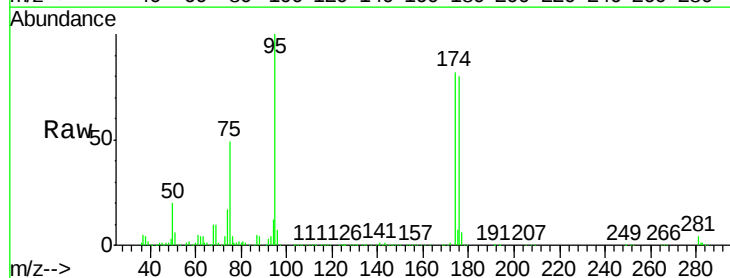
Acq: 06 Jan 2020 14:10

Tgt Ion: 75 Resp: 121690

Ion Ratio Lower Upper

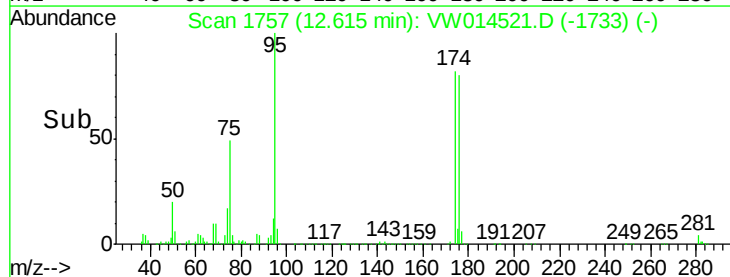
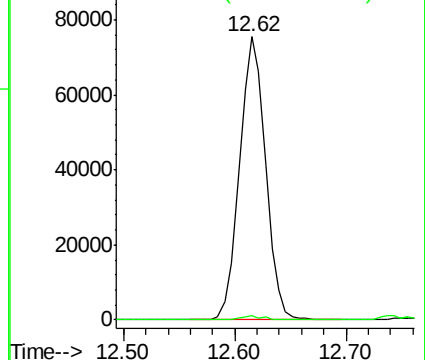
75 100

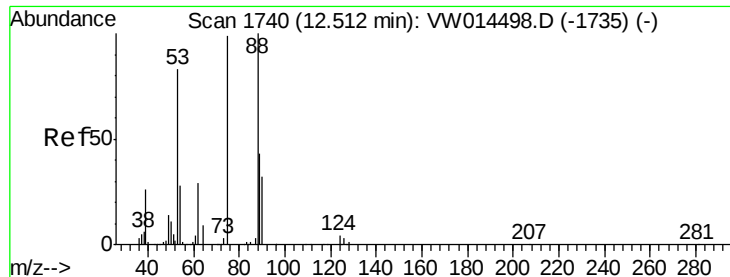
77 1.5 0.0 0.0#



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: 163.963 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014521.D

Acq: 06 Jan 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

Q091-SB-03RE

Tgt Ion: 75 Resp: 121690

Ion Ratio Lower Upper

75 100

53 0.1 70.9 106.3#

89 0.0 35.8 53.8#

