

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015748.D
 Acq On : 26 Jun 2020 15:53
 Operator : SY/VA
 Sample : L3136-02RE
 Misc : 8.61G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

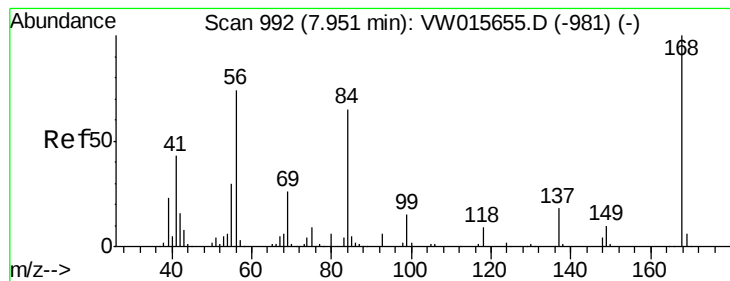
Quant Time: Jun 27 02:22:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	167265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	279204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119171	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	110226	59.23	ug/l	0.00
Spiked Amount			Recovery	=	118.46%	
35) Dibromofluoromethane	7.89	113	88456	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.32	98	343207	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	122947	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	1417	Below Cal	#	76
16) Acetone	4.13	43	3107	8.782	ug/l #	87
18) Methyl Acetate	4.68	43	592	Below Cal	#	52
20) Methylene Chloride	4.92	84	7364	Below Cal		86
31) Cyclohexane	7.95	56	3933	1.227	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	13983	4.815	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16918	6.010	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1842	1.726	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	66520	61.195	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	66520	154.213	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :

MSVOA_W

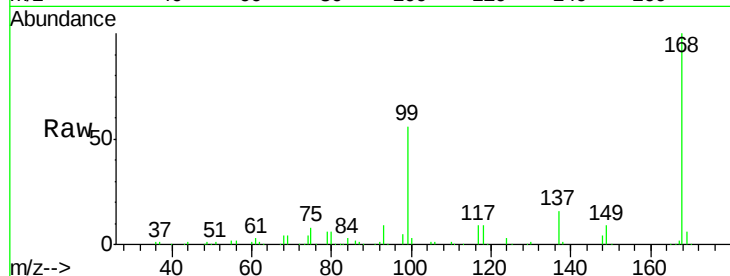
ClientSampled :

Tot Ion:168 Resp: 167265

Ion Ratio Lower Upper

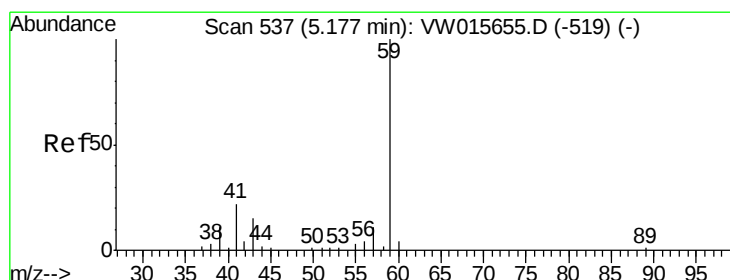
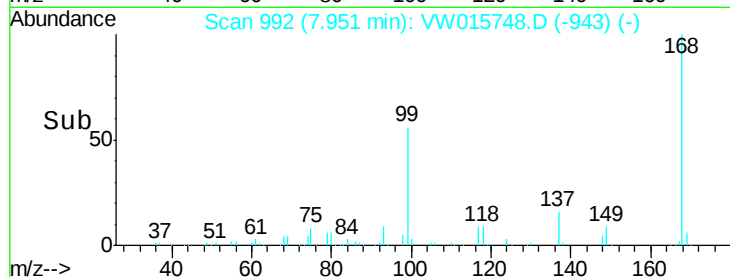
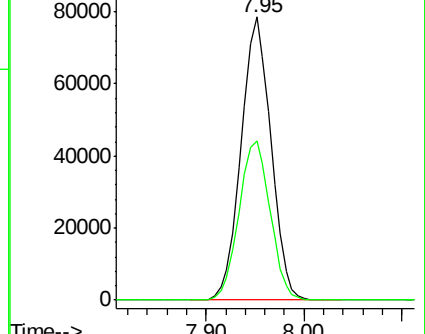
168 100

99 56.5 48.6 73.0



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: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW015748.D

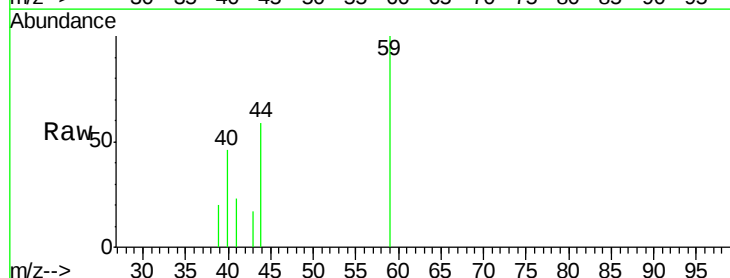
Acq: 26 Jun 2020 15:53

Tgt Ion: 59 Resp: 1417

Ion Ratio Lower Upper

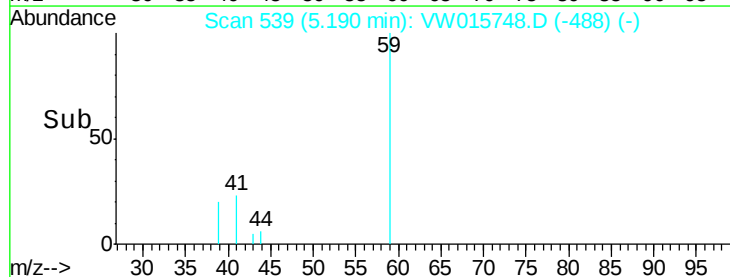
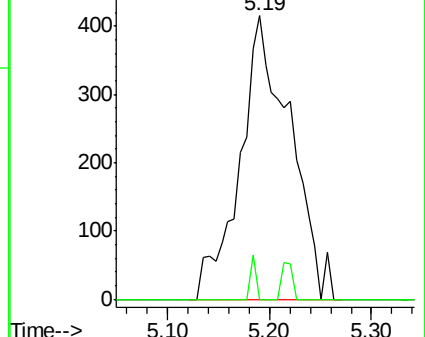
59 100

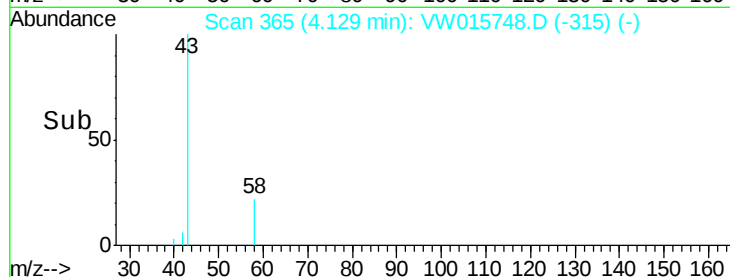
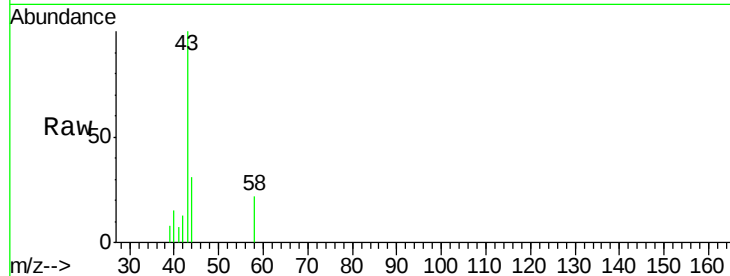
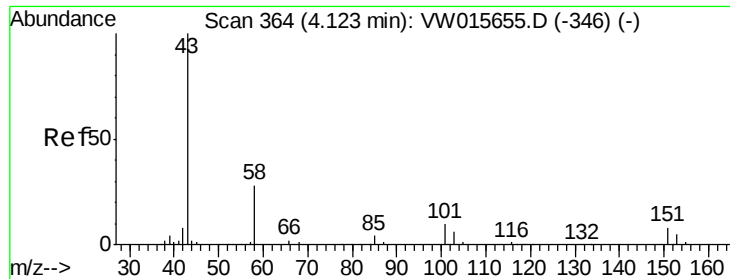
57 1.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.782 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :

MSVOA_W

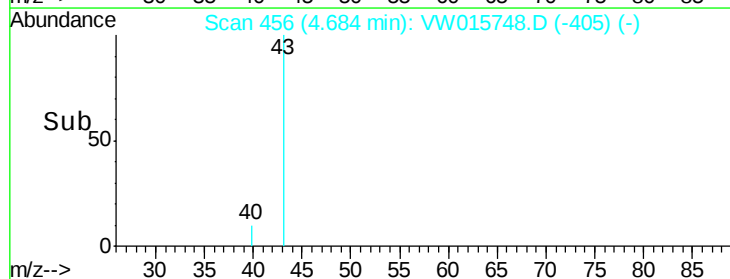
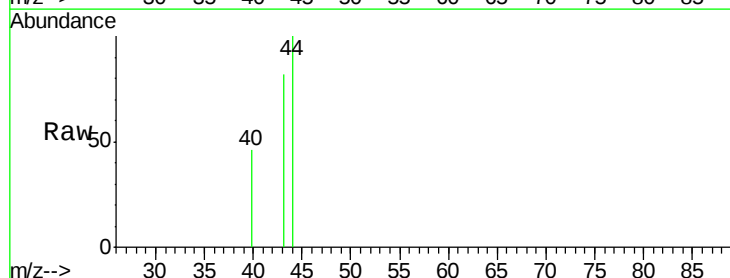
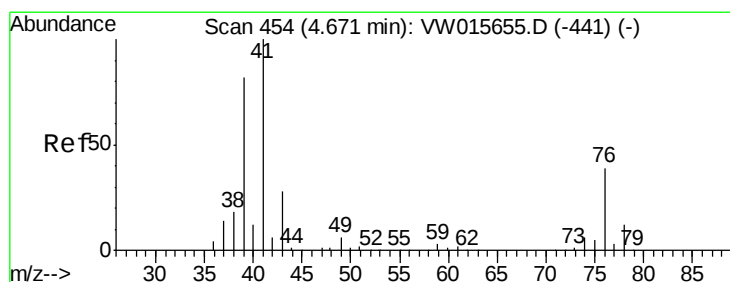
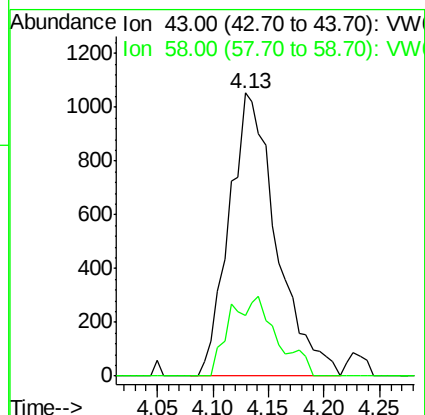
ClientSampleId :

Tot Ion: 43 Resp: 3107

Ion Ratio Lower Upper

43 100

58 21.6 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015748.D

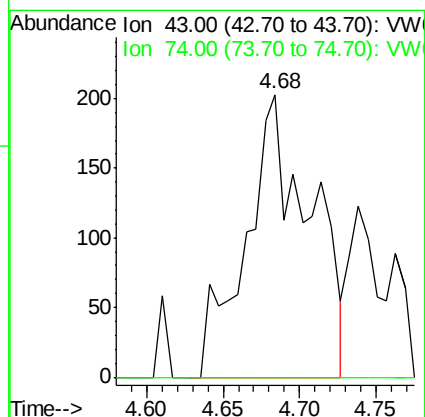
Acq: 26 Jun 2020 15:53

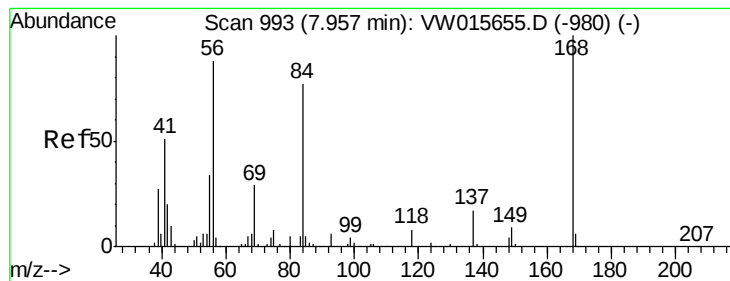
Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :
MSVOA_W
ClientSampled :

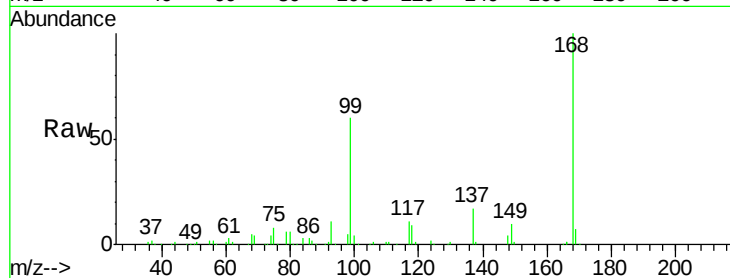
Tot Ion: 56 Resp: 3933

Ion Ratio Lower Upper

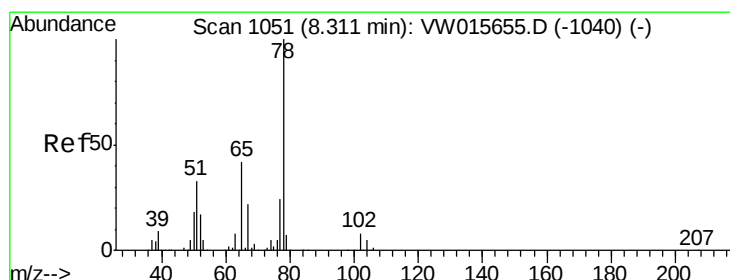
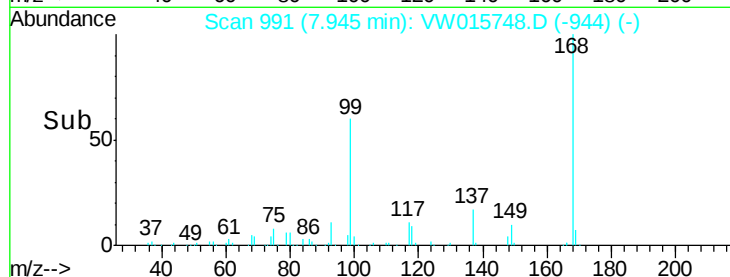
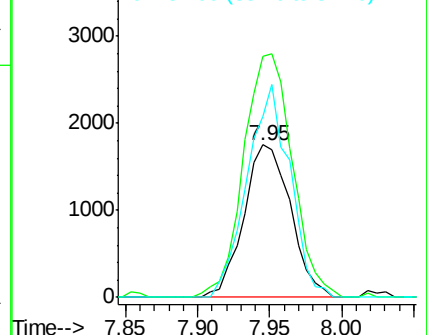
56 100

69 158.2 26.2 39.4#

84 118.6 70.4 105.6#



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: 59.228 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015748.D

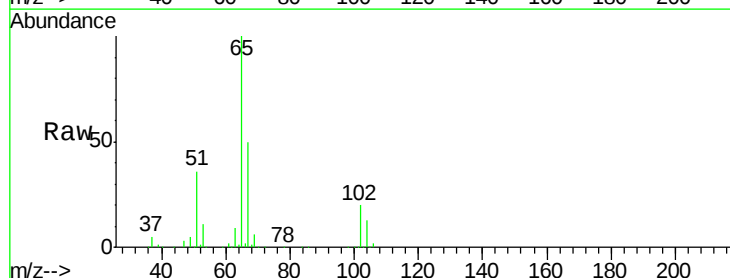
Acq: 26 Jun 2020 15:53

Tgt Ion: 65 Resp: 110226

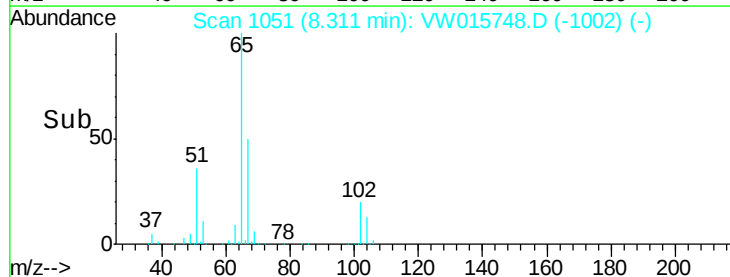
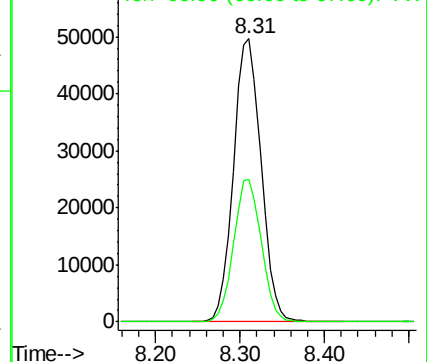
Ion Ratio Lower Upper

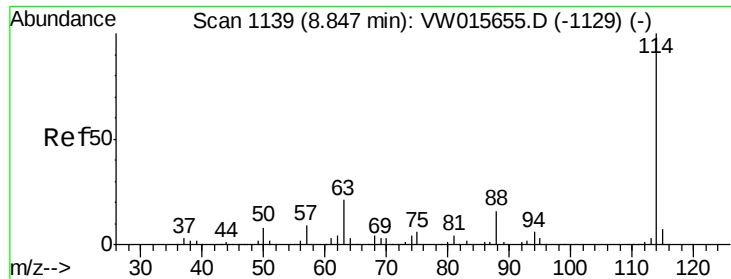
65 100

67 50.3 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

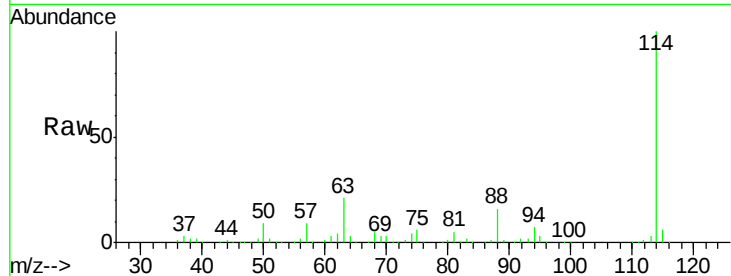




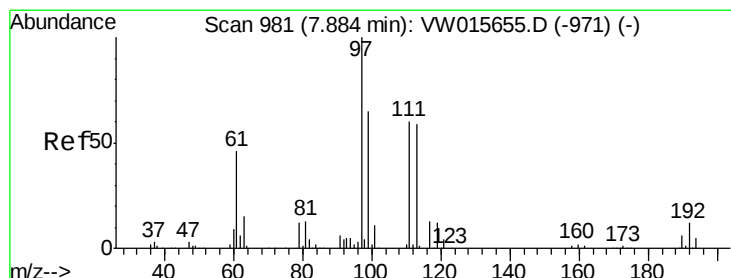
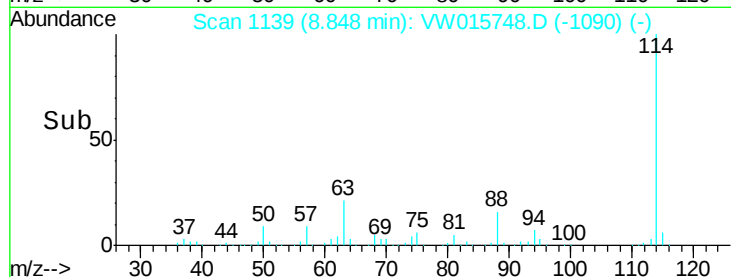
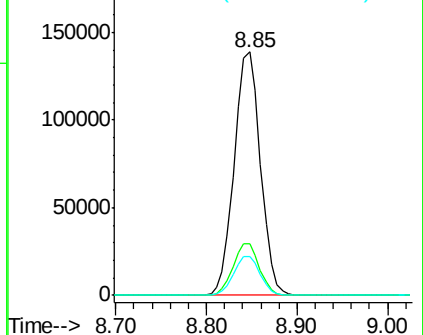
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW015748.D
Acq: 26 Jun 2020 15:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 279204
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.4
88 16.0 0.0 32.6

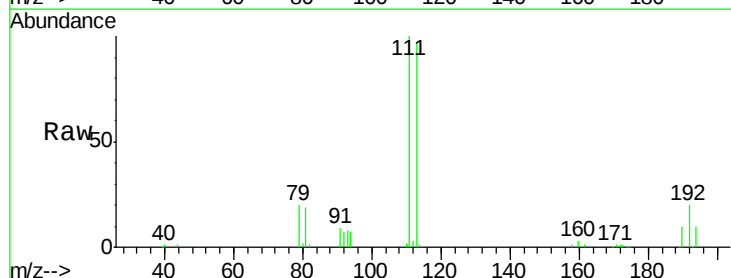


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

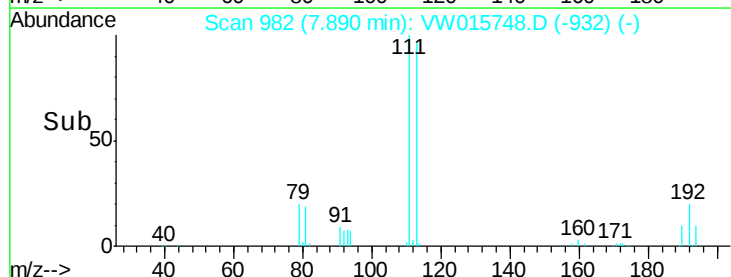
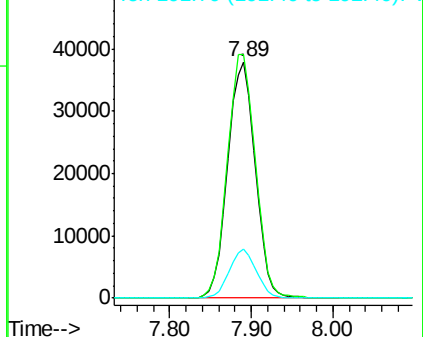


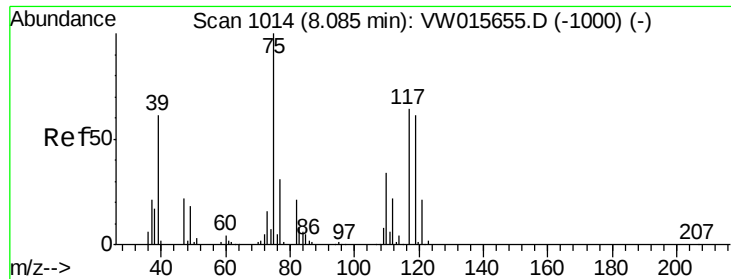
#35
Dibromofluoromethane
Concen: 50.366 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW015748.D
Acq: 26 Jun 2020 15:53

Tgt Ion:113 Resp: 88456
Ion Ratio Lower Upper
113 100
111 104.6 82.3 123.5
192 20.0 16.4 24.6



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

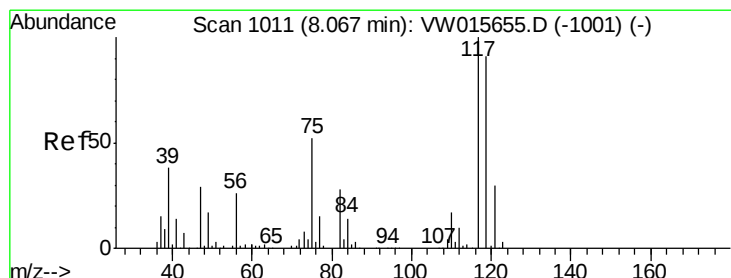
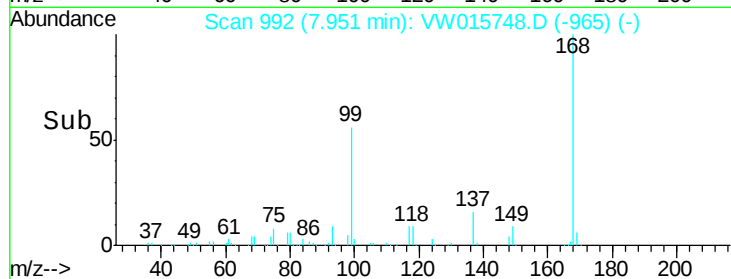
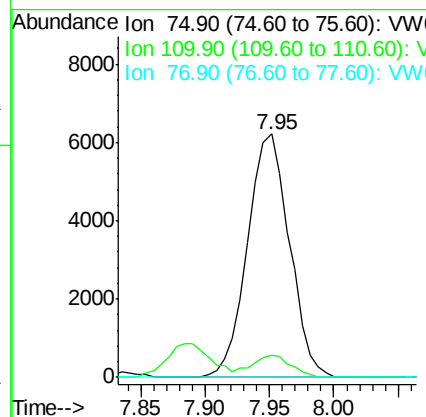
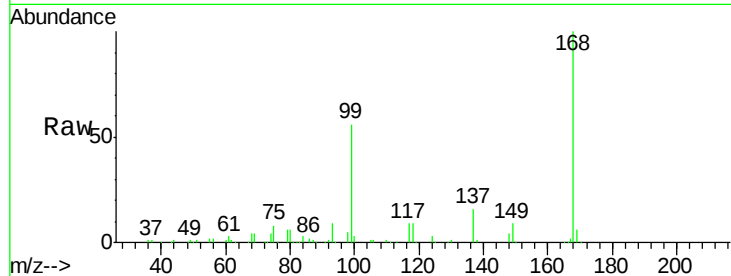




#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015748.D
 Acq: 26 Jun 2020 15:53

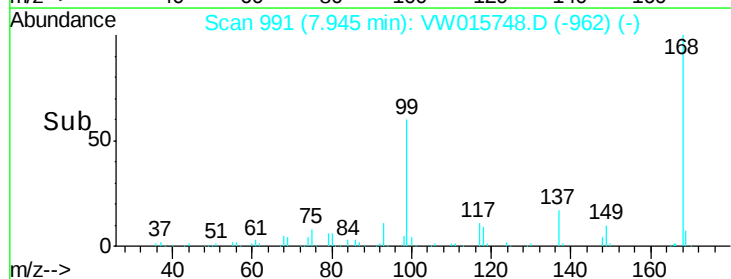
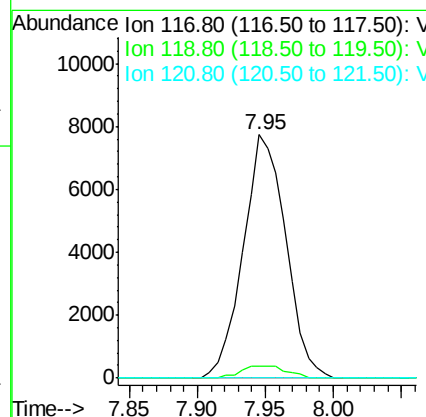
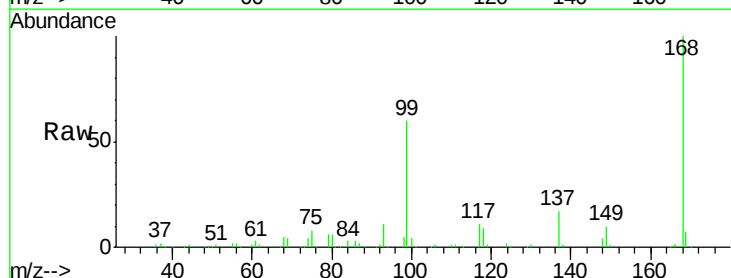
Instrument :
 MSVOA_W
 ClientSampleId :

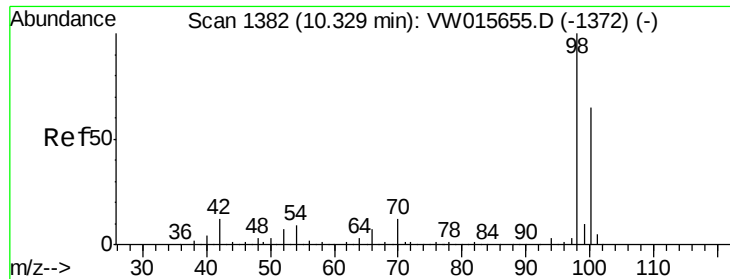
Tot Ion	75	Resp	13983
Ion Ratio	Lower	Upper	
75	100		
110	8.5	17.0	51.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.010 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015748.D
 Acq: 26 Jun 2020 15:53

Tgt Ion	117	Resp	16918
Ion Ratio	Lower	Upper	
117	100		
119	5.2	73.2	109.8#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 49.656 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :

MSVOA_W

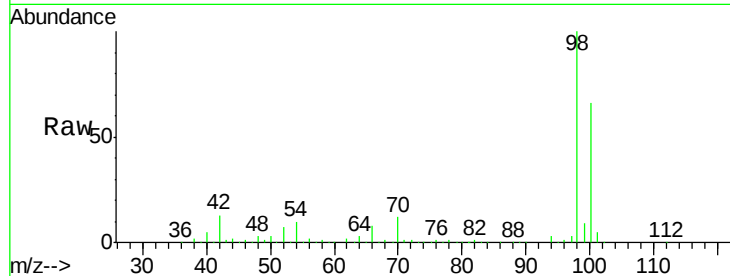
ClientSampleId :

Tot Ion: 98 Resp: 343207

Ion Ratio Lower Upper

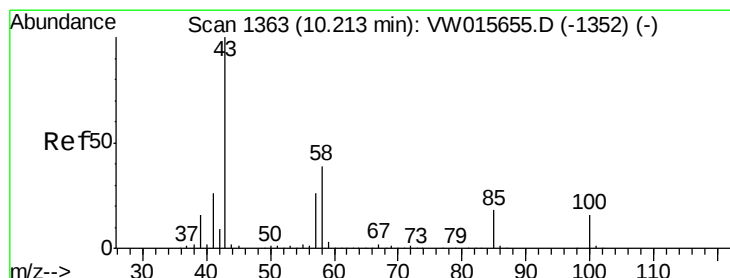
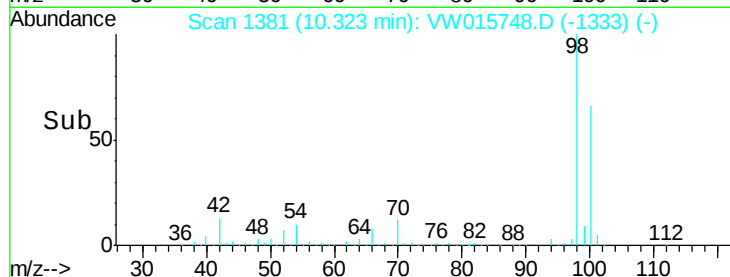
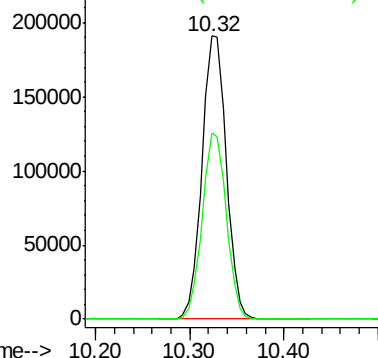
98 100

100 65.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.726 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015748.D

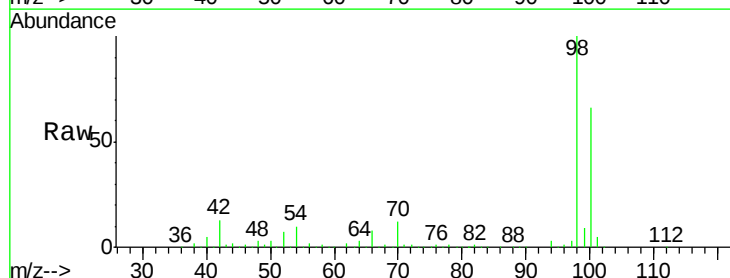
Acq: 26 Jun 2020 15:53

Tgt Ion: 43 Resp: 1842

Ion Ratio Lower Upper

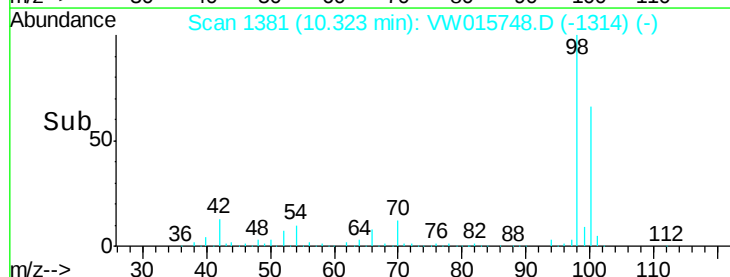
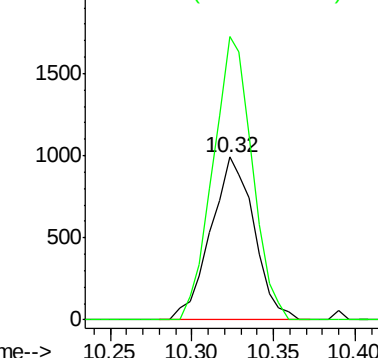
43 100

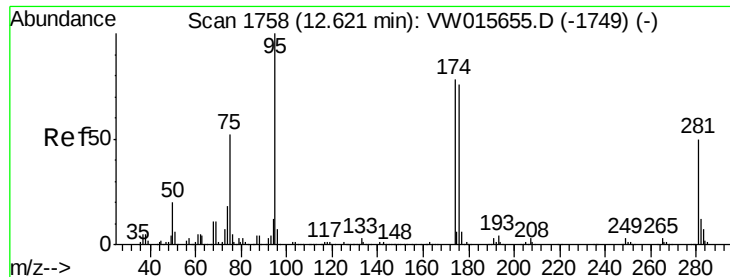
58 157.3 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 48.302 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :

MSVOA_W

ClientSampleId :

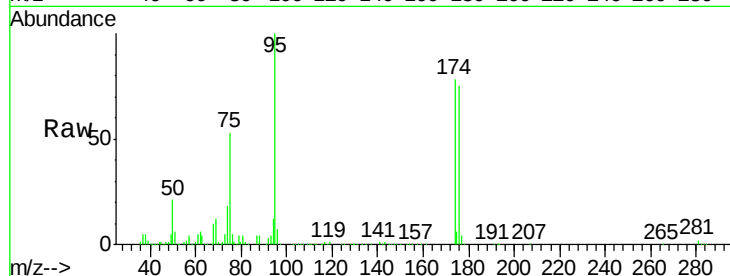
Tot Ion: 95 Resp: 122947

Ion Ratio Lower Upper

95 100

174 76.9 0.0 157.0

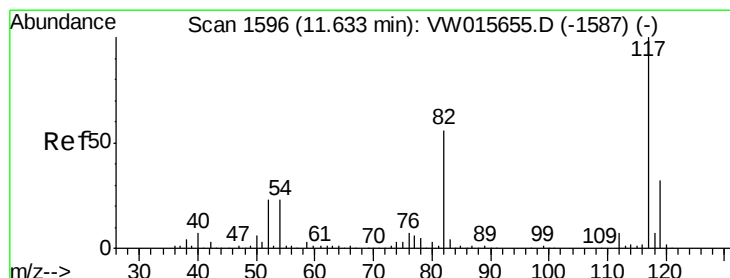
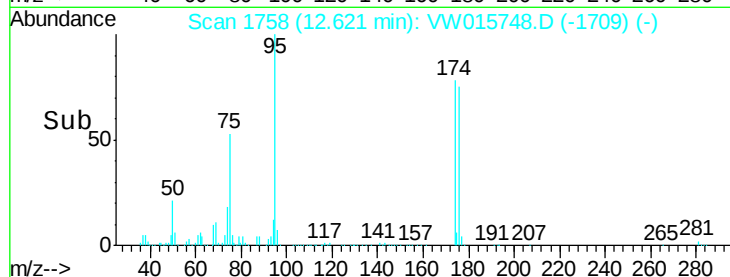
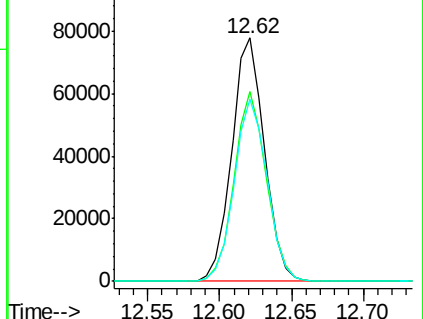
176 75.4 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

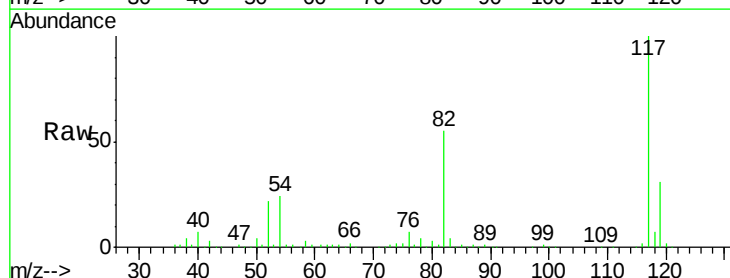
Tgt Ion: 117 Resp: 260837

Ion Ratio Lower Upper

117 100

82 55.2 45.1 67.7

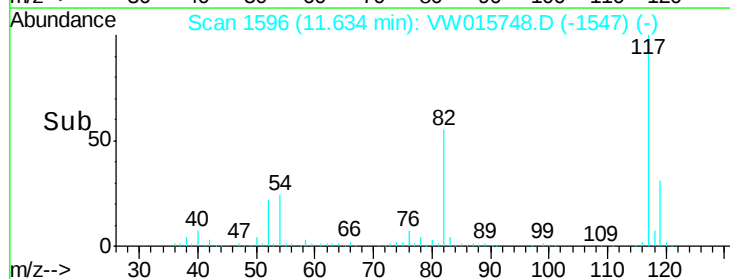
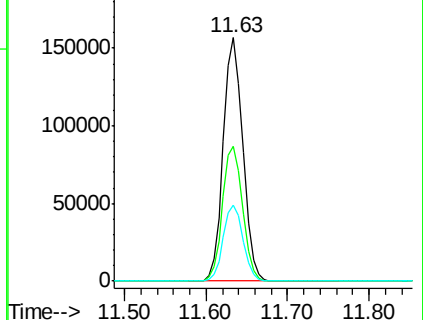
119 31.0 25.8 38.8

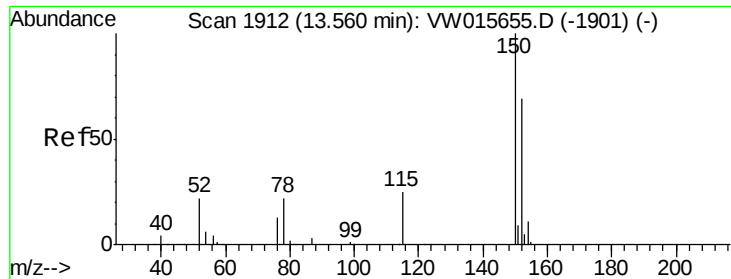


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :

MSVOA_W

ClientSampleId :

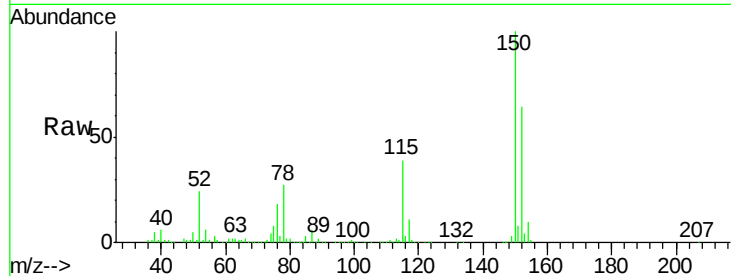
Tot Ion:152 Resp: 119171

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

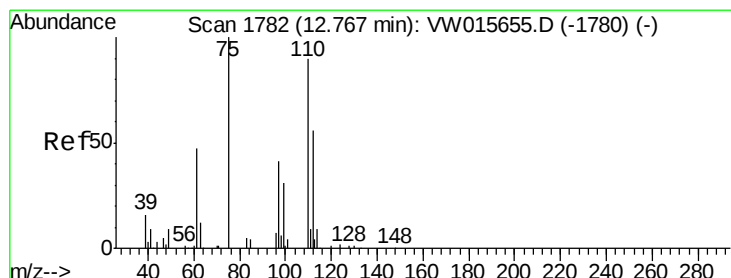
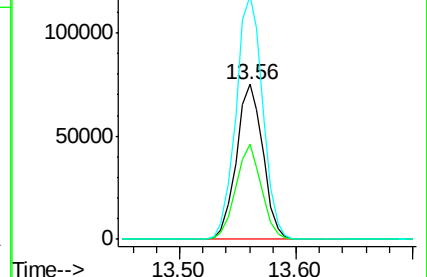
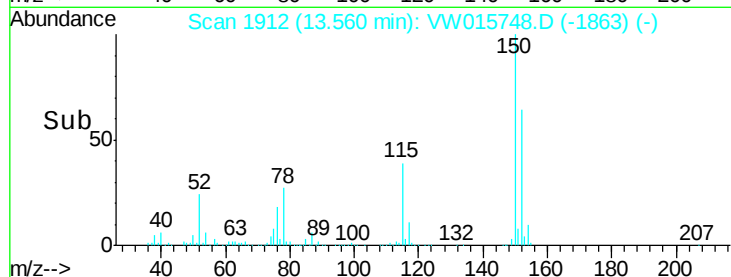
150 158.4 0.0 345.6



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: 61.195 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015748.D

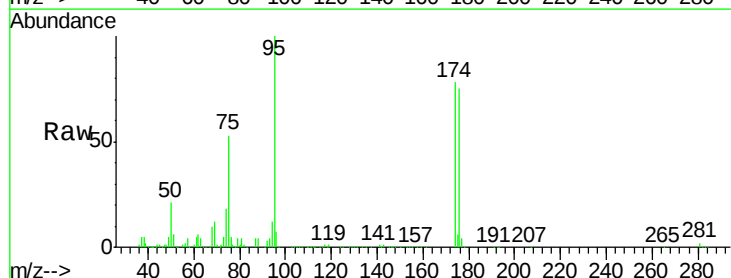
Acq: 26 Jun 2020 15:53

Tgt Ion: 75 Resp: 66520

Ion Ratio Lower Upper

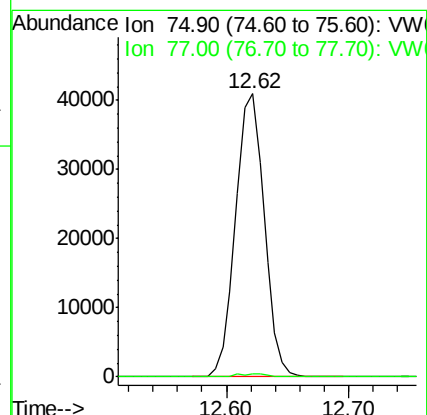
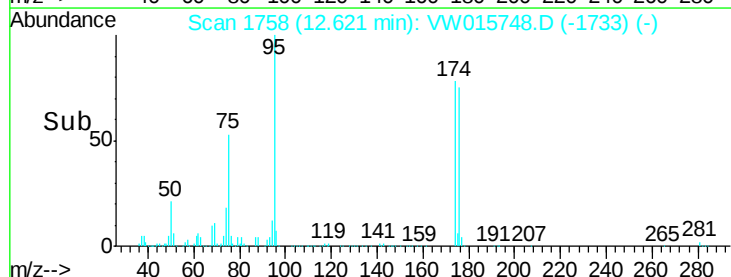
75 100

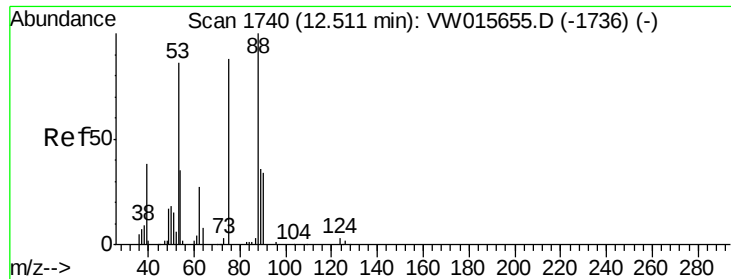
77 1.2 179.1 537.1#



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: 154.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015748.D

Acq: 26 Jun 2020 15:53

Instrument :

MSVOA_W

ClientSampleId :

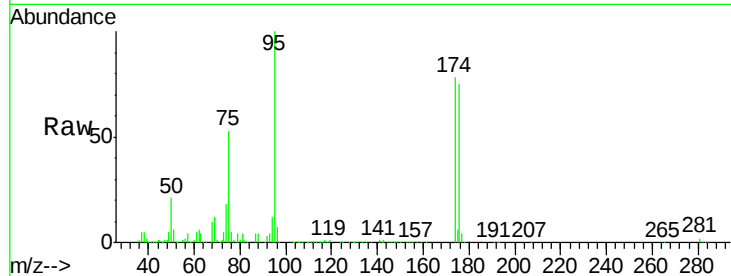
Tot Ion: 75 Resp: 66520

Ion Ratio Lower Upper

75 100

53 0.2 83.8 125.8#

89 0.0 36.6 55.0#



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

