

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013694.D
 Acq On : 24 Oct 2019 04:24
 Operator : SY/VA
 Sample : K5502-14
 Misc : 7.21G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

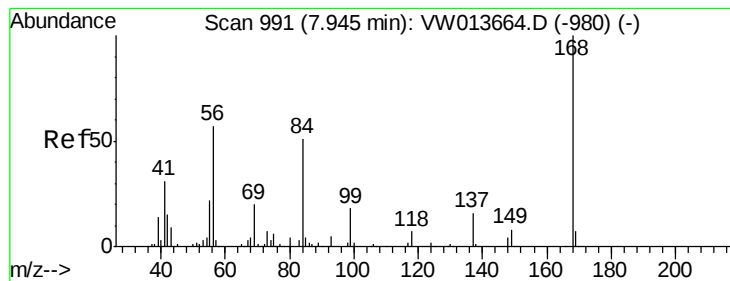
Quant Time: Oct 24 07:32:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	39197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	56931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	44199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	17150	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	
35) Dibromofluoromethane	7.88	113	17917	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	
50) Toluene-d8	10.32	98	63315	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.62	95	15373	35.22	ug/l	0.00
Spiked Amount			Recovery	=	70.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.92	56	44	2.188	ug/l #	15
16) Acetone	4.14	43	1777	28.502	ug/l	89
20) Methylene Chloride	4.91	84	523	Below Cal	#	88
25) 2-Butanone	7.21	43	108	1.205	ug/l #	45
36) 1,1-Dichloropropene	7.94	75	2611	4.925	ug/l #	46
38) Carbon Tetrachloride	7.94	117	3234	6.773	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	280	1.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	7191	84.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7191	160.073	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

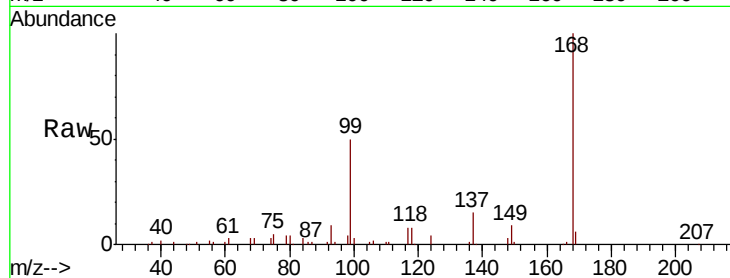
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 39197

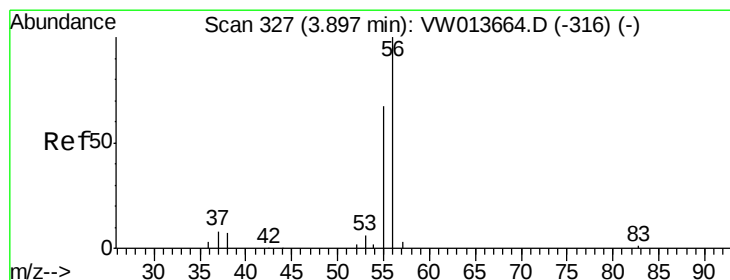
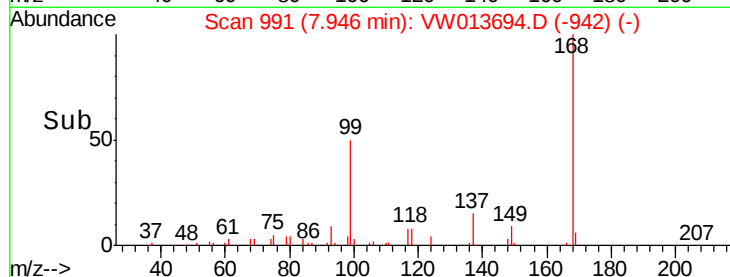
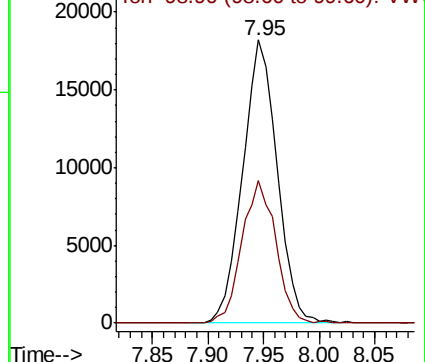
Ion Ratio Lower Upper

168 100

99 50.4 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW
Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 2.188 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW013694.D

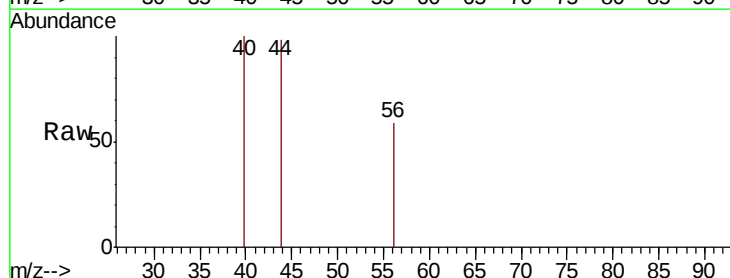
Acq: 24 Oct 2019 04:24

Tgt Ion: 56 Resp: 44

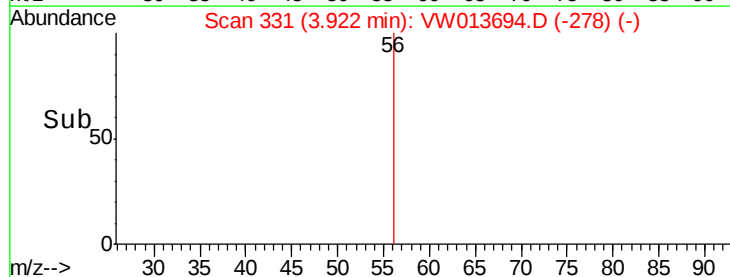
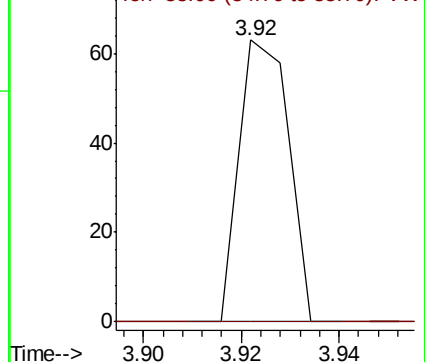
Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 28.502 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

Instrument :

MSVOA_W

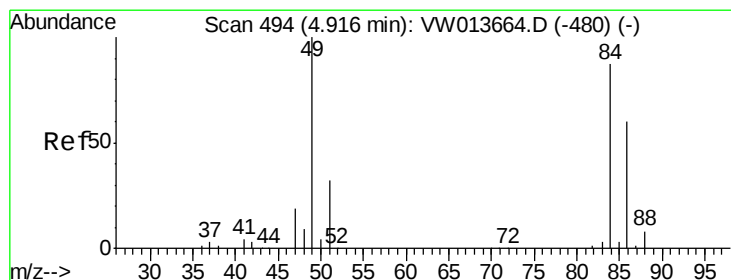
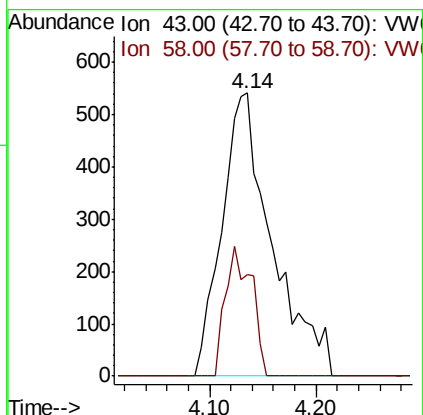
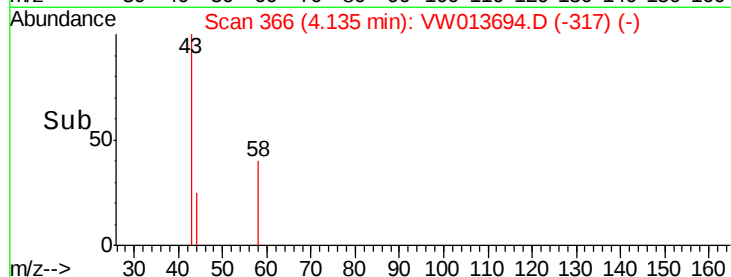
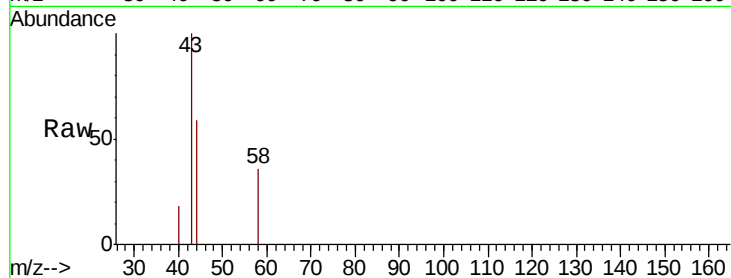
ClientSampled :

Tot Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

58 35.9 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

Tgt Ion: 84 Resp: 523

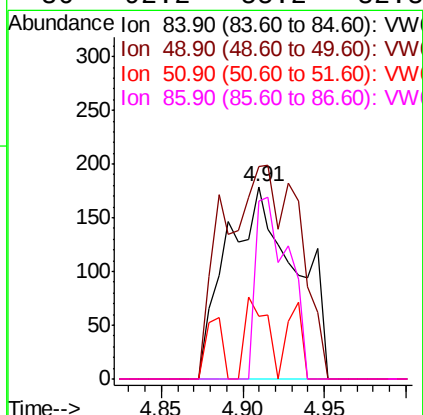
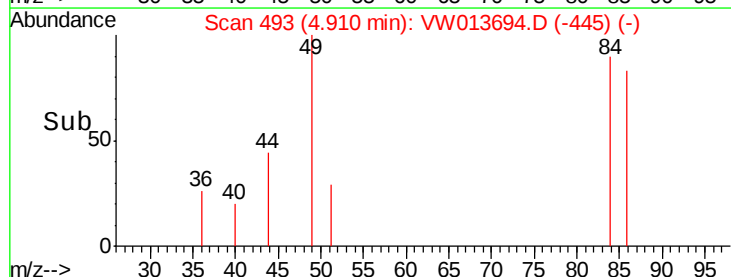
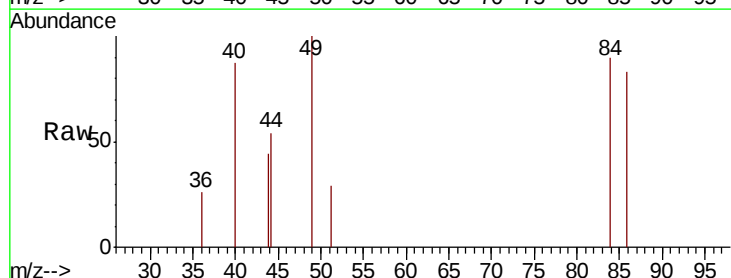
Ion Ratio Lower Upper

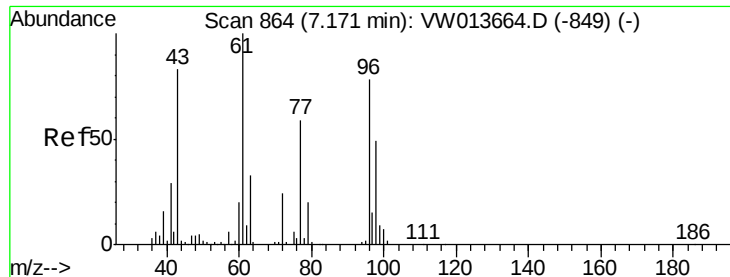
84 100

49 110.6 91.8 137.6

51 32.4 29.8 44.6

86 92.2 55.2 82.8#





#25

2-Butanone

Concen: 1.205 ug/l

RT: 7.21 min Scan# 871

Delta R.T. 0.04 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

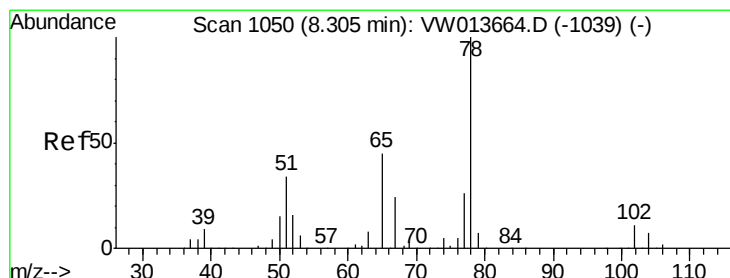
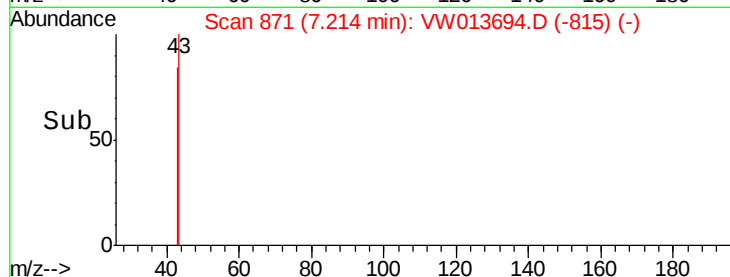
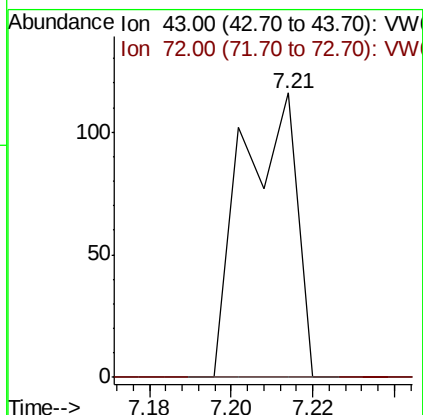
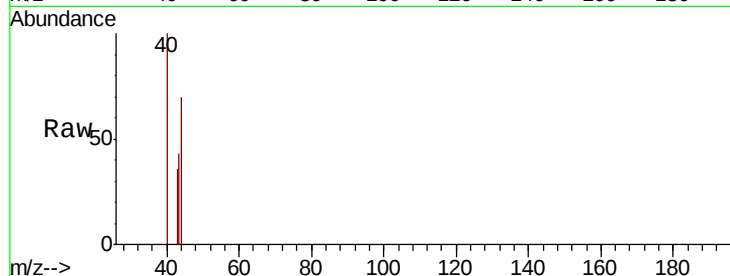
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

72 0.0 23.6 35.4#



#33

1,2-Dichloroethane-d4

Concen: 58.325 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013694.D

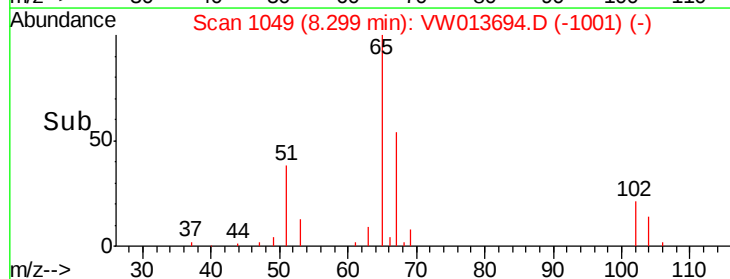
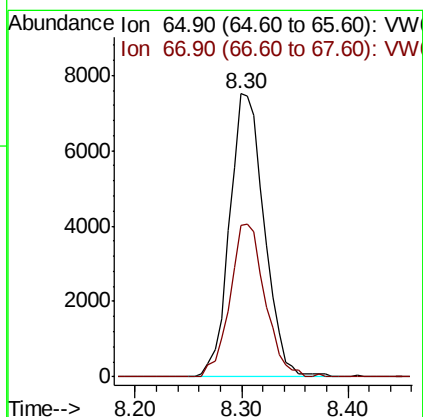
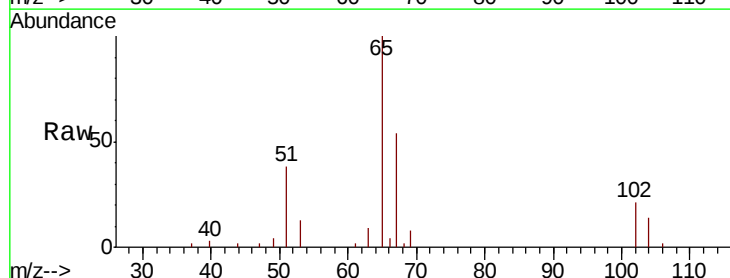
Acq: 24 Oct 2019 04:24

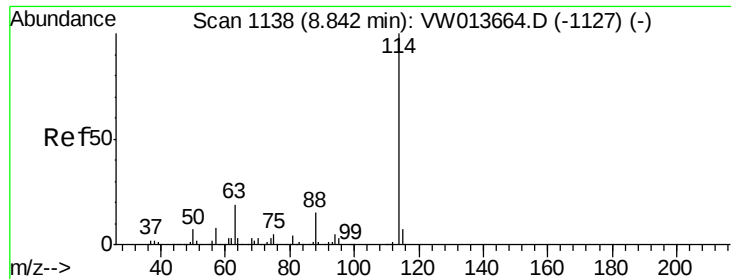
Tgt Ion: 65 Resp: 17150

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4

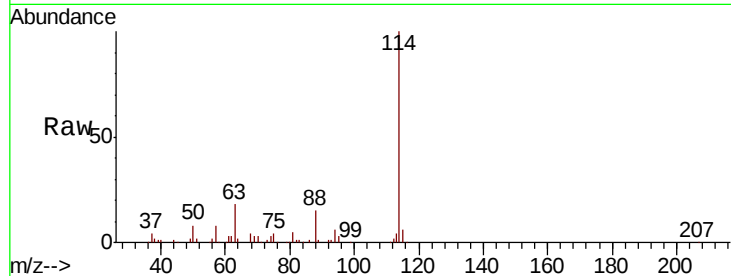




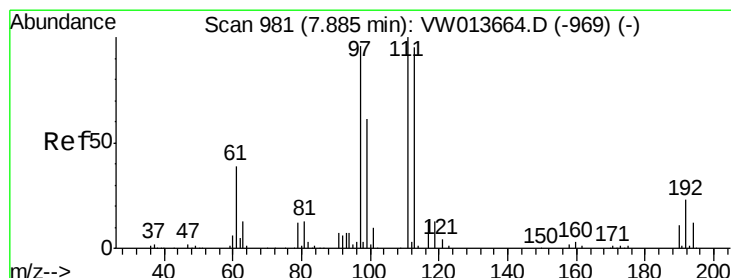
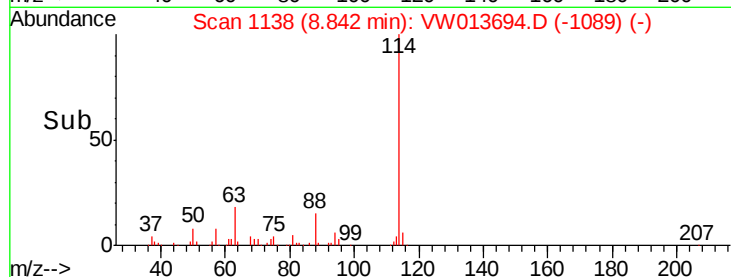
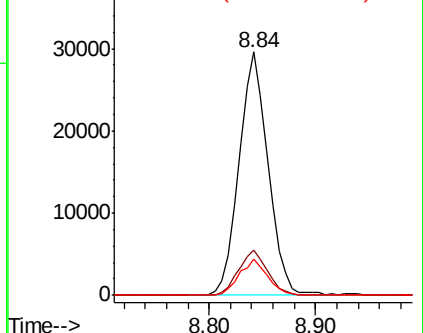
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013694.D
Acq: 24 Oct 2019 04:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 56931
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.6
88 14.9 0.0 30.2

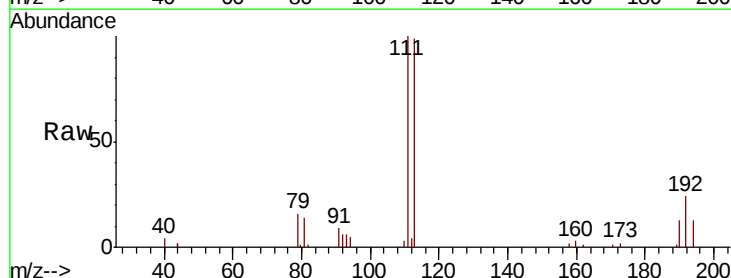


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

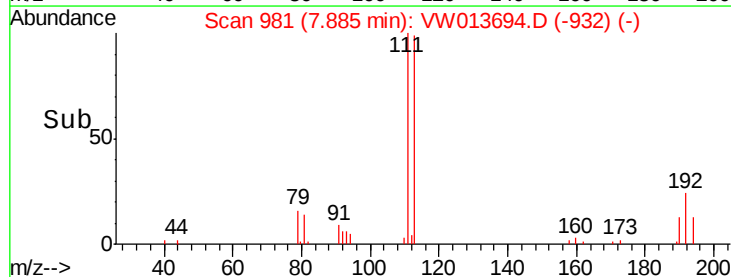
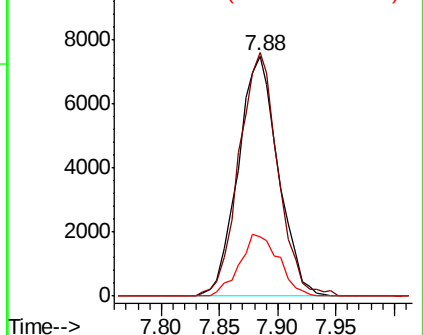


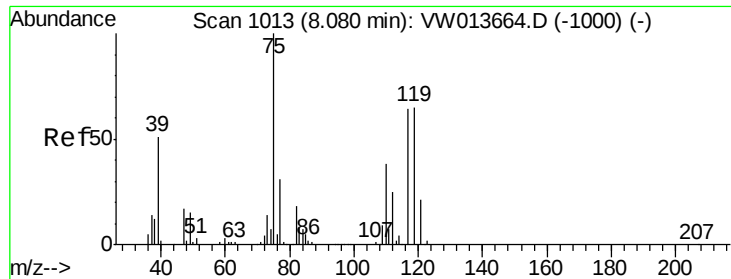
#35
Dibromofluoromethane
Concen: 56.638 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW013694.D
Acq: 24 Oct 2019 04:24

Tgt Ion:113 Resp: 17917
Ion Ratio Lower Upper
113 100
111 98.6 83.0 124.6
192 25.2 19.4 29.2



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

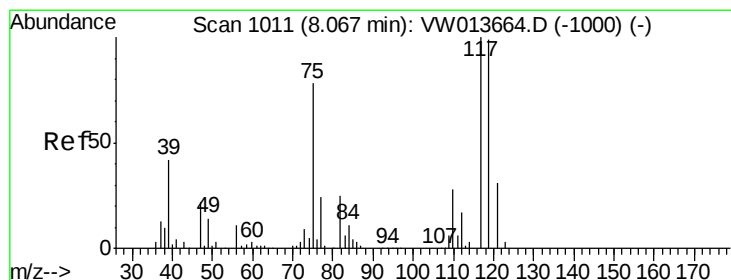
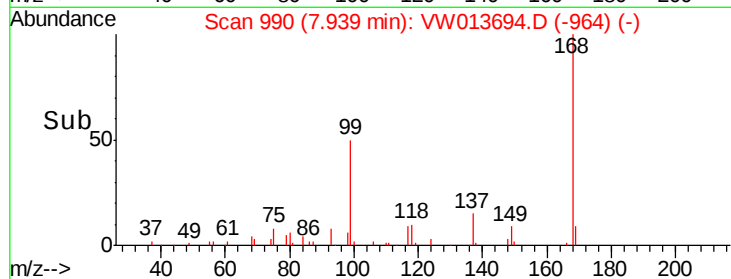
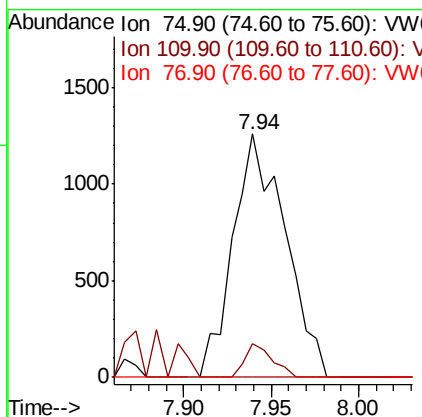
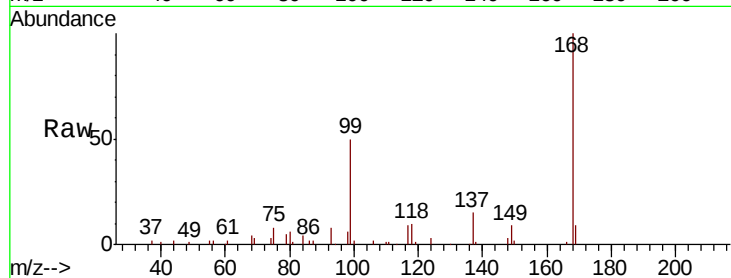




#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013694.D
 Acq: 24 Oct 2019 04:24

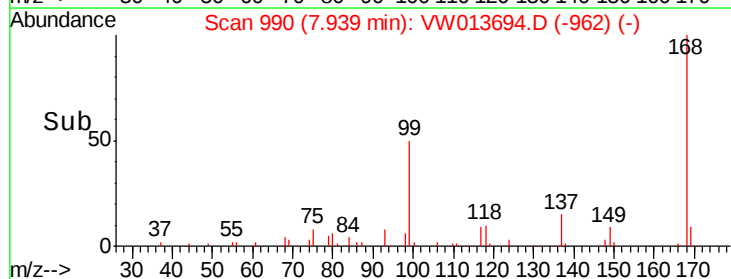
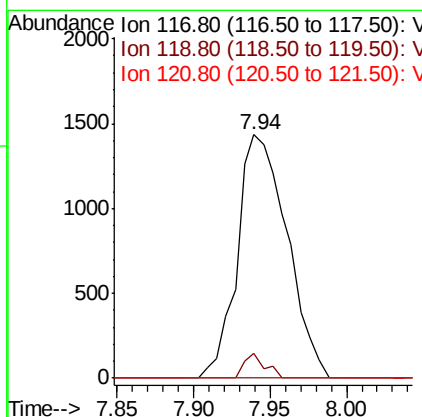
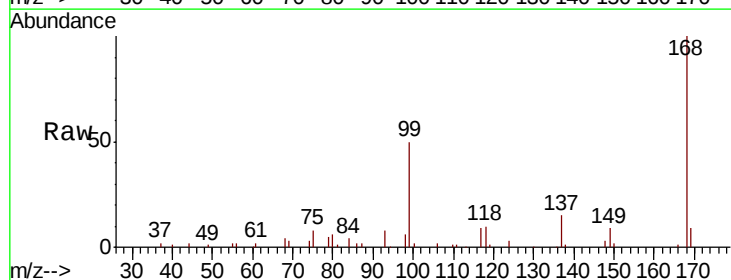
Instrument :
 MSVOA_W
 ClientSampleId :

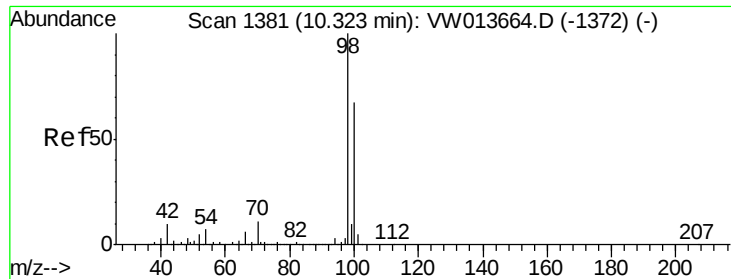
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.773 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013694.D
 Acq: 24 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	10.2	79.0	118.4#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 49.119 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

Instrument :

MSVOA_W

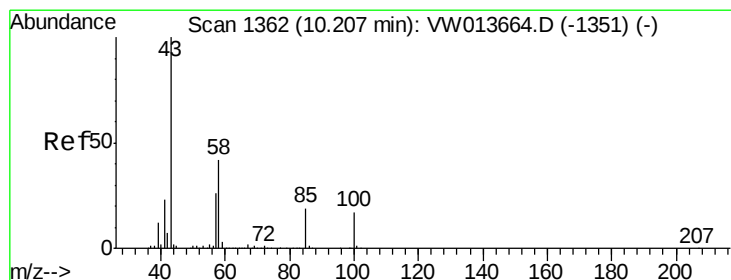
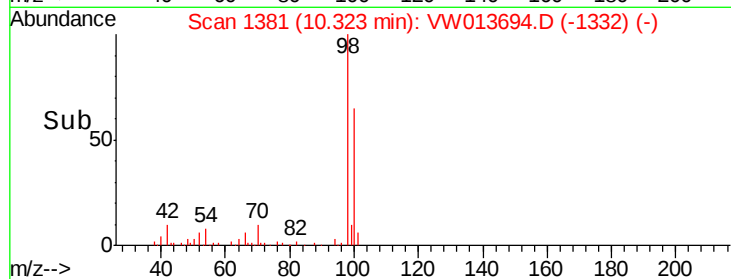
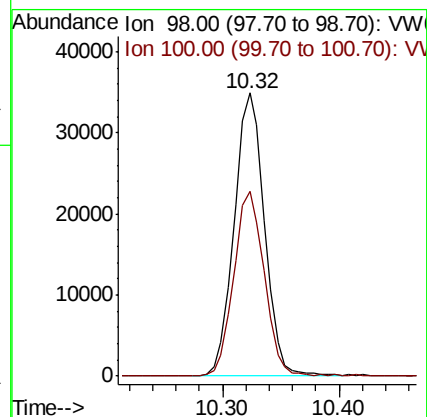
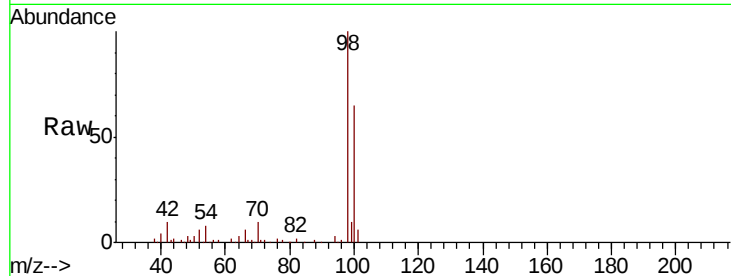
ClientSampleId :

Tot Ion: 98 Resp: 63315

Ion Ratio Lower Upper

98 100

100 65.5 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.450 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013694.D

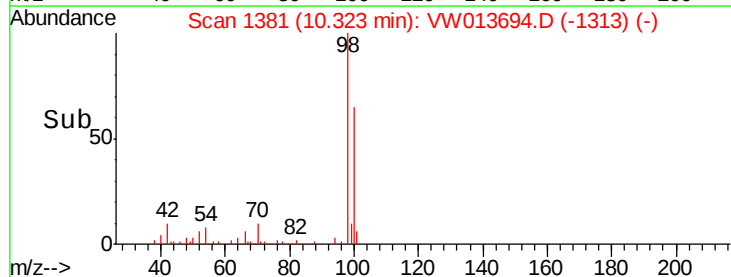
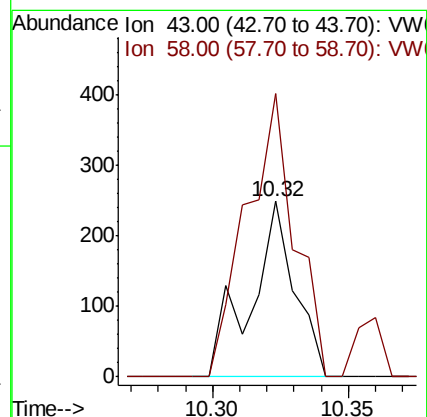
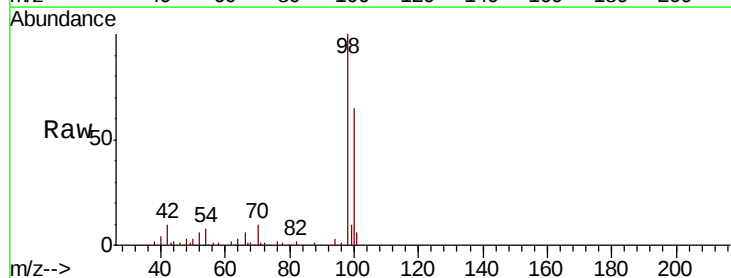
Acq: 24 Oct 2019 04:24

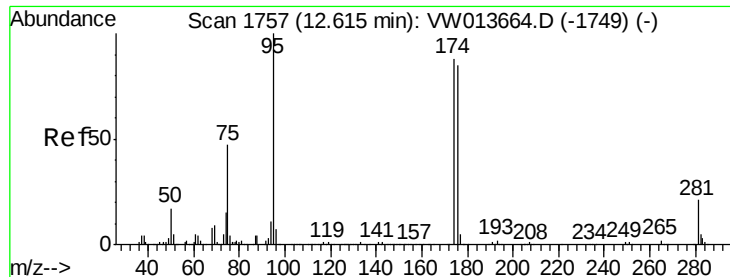
Tgt Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

58 176.8 32.6 49.0#

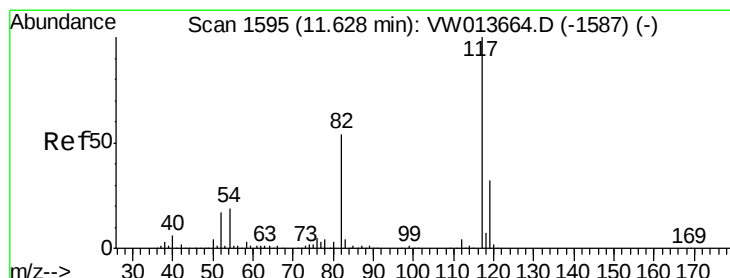
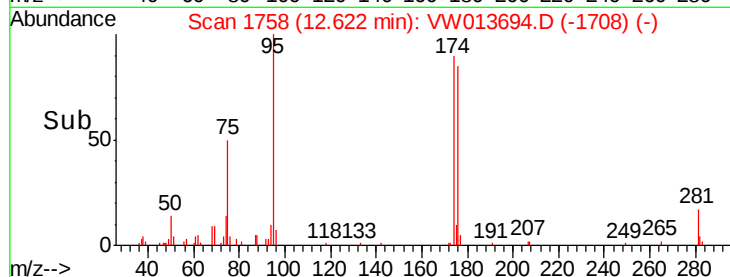
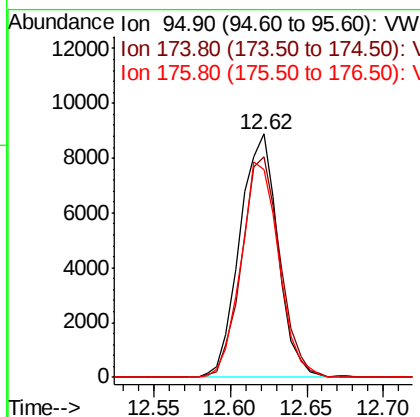
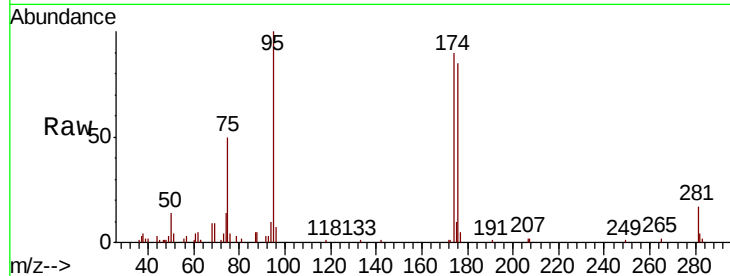




#62
4-Bromofluorobenzene
Concen: 35.222 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW013694.D
Acq: 24 Oct 2019 04:24

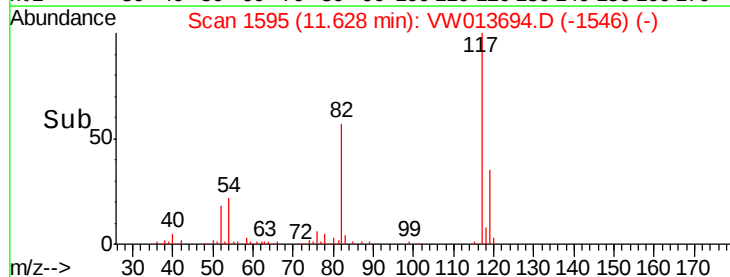
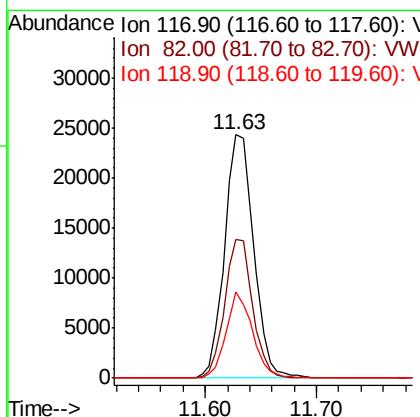
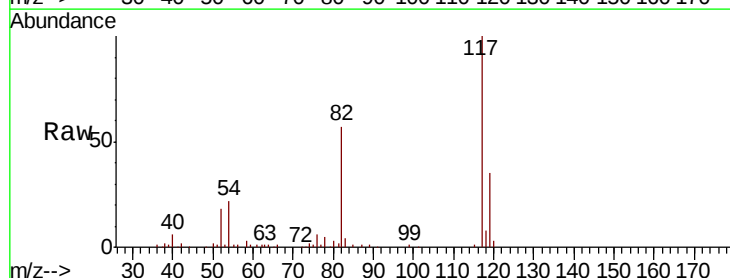
Instrument :
MSVOA_W
ClientSampleId :

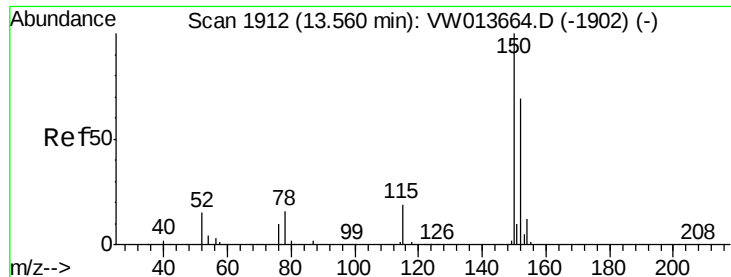
Tot Ion: 95 Resp: 15373
Ion Ratio Lower Upper
95 100
174 91.2 0.0 183.6
176 87.8 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013694.D
Acq: 24 Oct 2019 04:24

Tgt Ion: 117 Resp: 44199
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 35.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

Instrument :

MSVOA_W

ClientSampled :

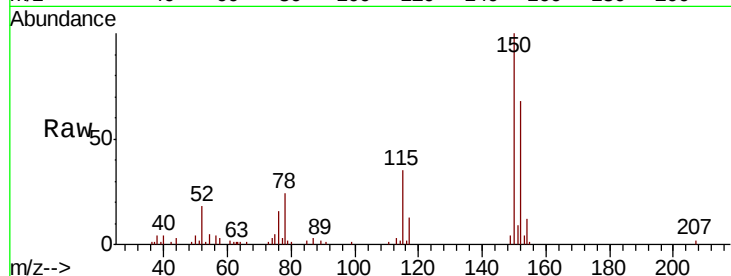
Tot Ion:152 Resp: 11822

Ion Ratio Lower Upper

152 100

115 52.5 27.4 82.2

150 153.8 0.0 345.4

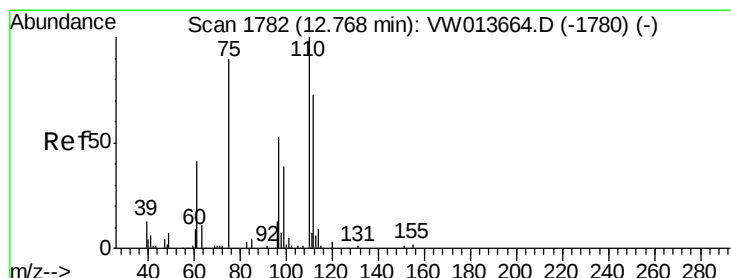
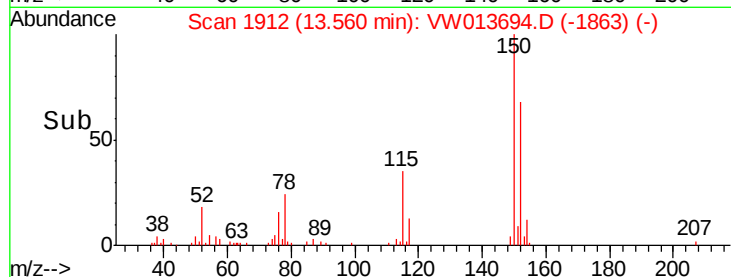
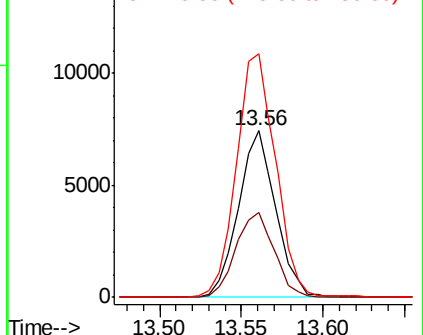


Abundance

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: 84.701 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW013694.D

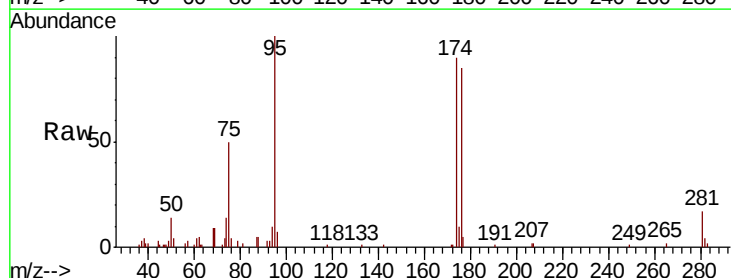
Acq: 24 Oct 2019 04:24

Tgt Ion: 75 Resp: 7191

Ion Ratio Lower Upper

75 100

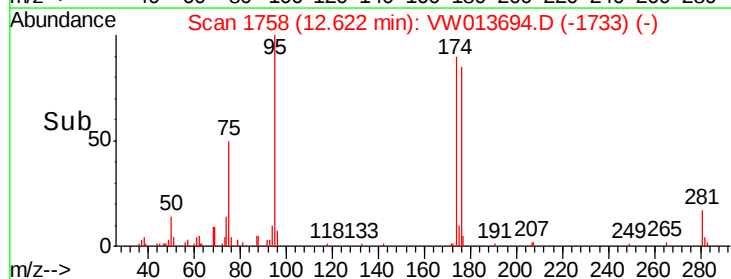
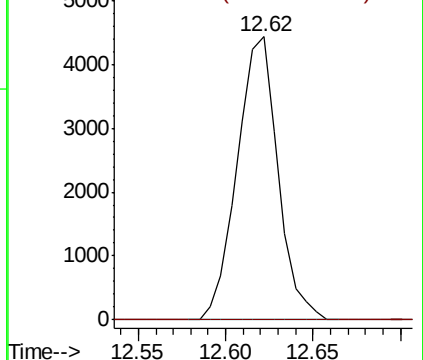
77 0.0 0.0 0.0

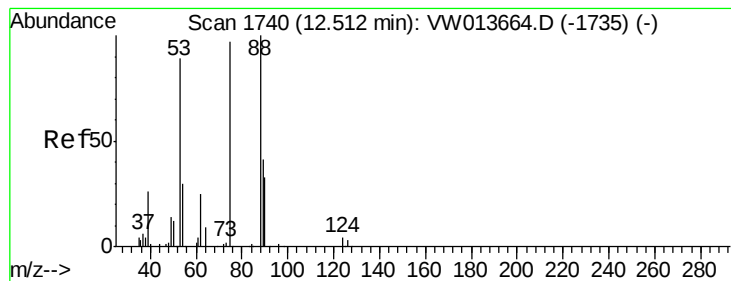


Abundance

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: 160.073 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW013694.D

Acq: 24 Oct 2019 04:24

Instrument :

MSVOA_W

ClientSampleId :

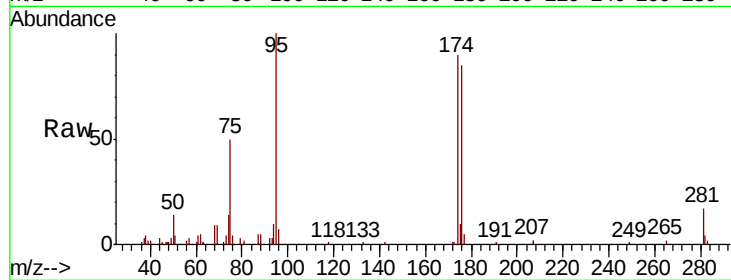
Tot Ion: 75 Resp: 7191

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

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

