

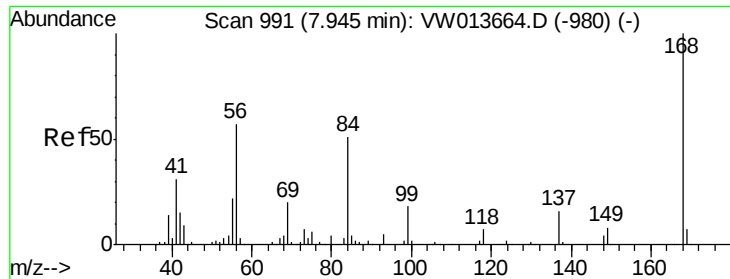
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013734.D
 Acq On : 25 Oct 2019 01:23
 Operator : SY/VA
 Sample : K5499-20RE
 Misc : 6.95G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 08:02:24 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	281602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	421417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127986	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	118199	55.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.90%	
35) Dibromofluoromethane	7.88	113	124205	53.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.08%	
50) Toluene-d8	10.32	98	472402	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.62	95	136123	42.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.22	59	357	2.831	ug/l #	71
16) Acetone	4.15	43	890	1.987	ug/l #	72
20) Methylene Chloride	4.92	84	4316	Below Cal		93
31) Cyclohexane	7.95	56	4832	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17826	4.542	ug/l #	48
38) Carbon Tetrachloride	7.95	117	24403	6.905	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1831	1.281	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	63164	68.722	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63164	129.876	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: VW013734.D

Acq: 25 Oct 2019 01:23

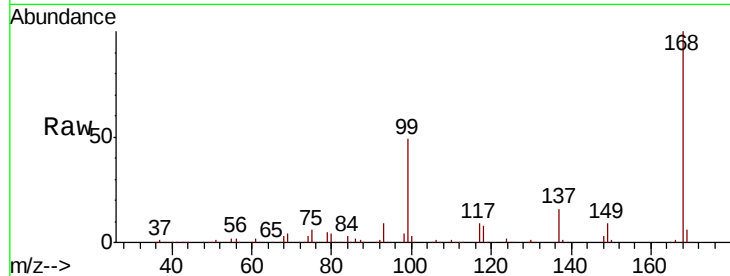
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 281602

Ion Ratio Lower Upper

168 100

99 48.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

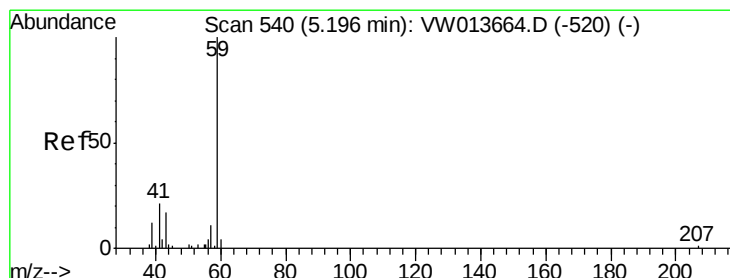
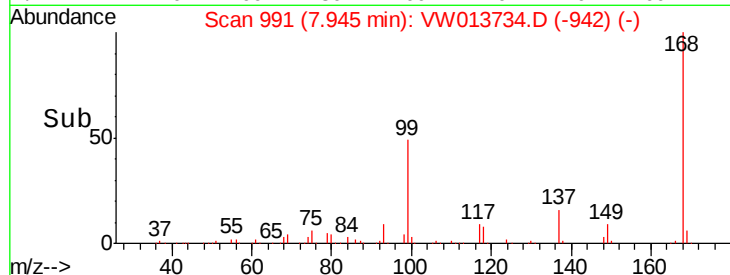
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.831 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.02 min

Lab File: VW013734.D

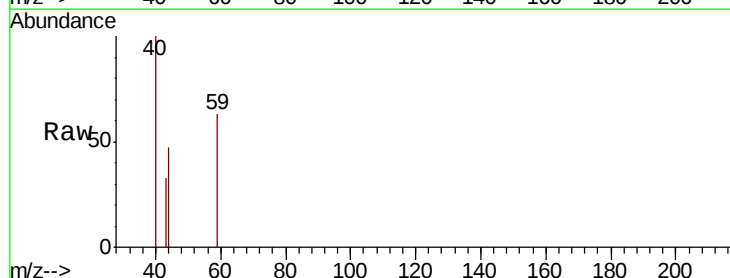
Acq: 25 Oct 2019 01:23

Tgt Ion: 59 Resp: 357

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

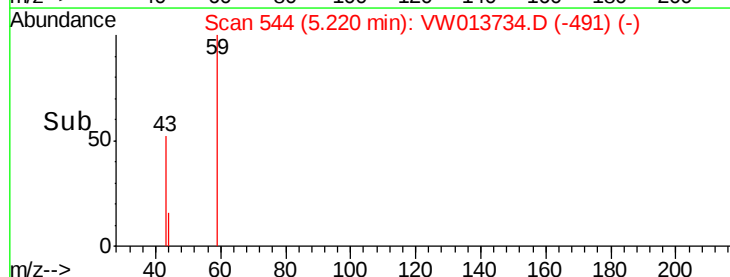
150

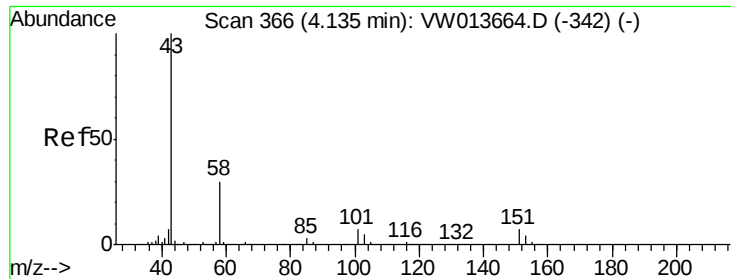
100

50

0

Time-->

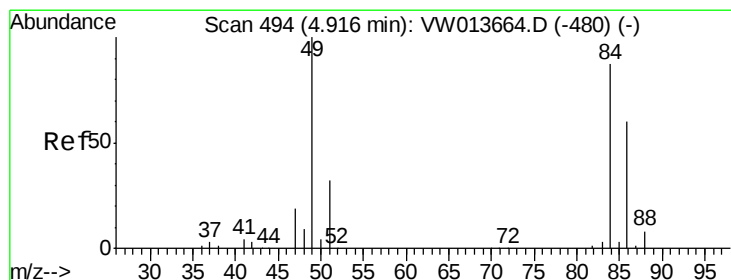
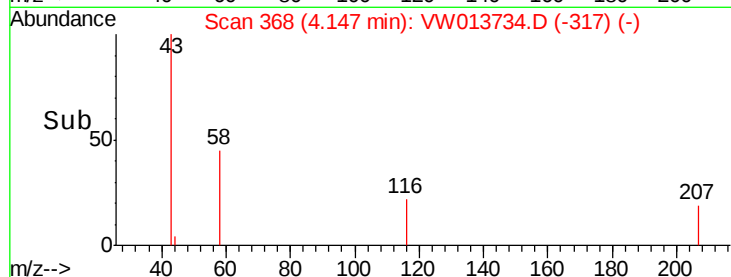
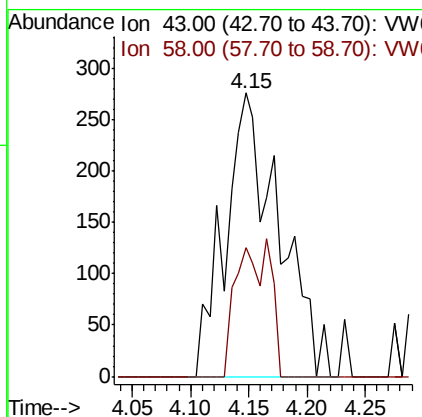
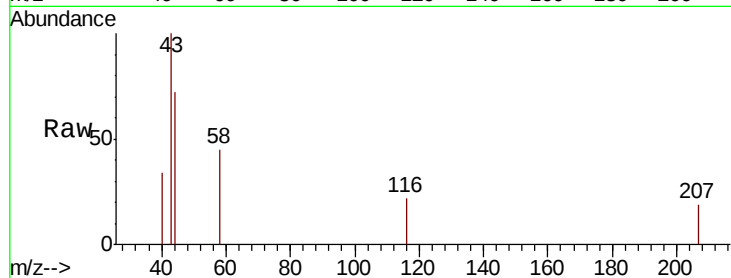




#16
Acetone
Concen: 1.987 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

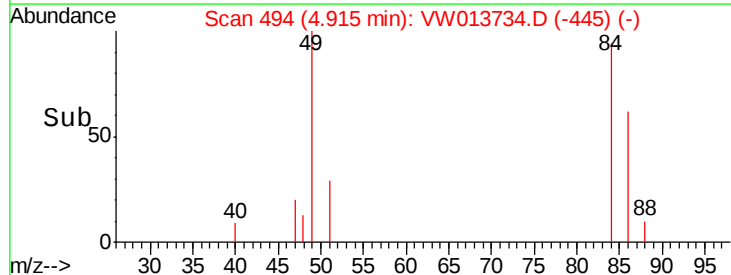
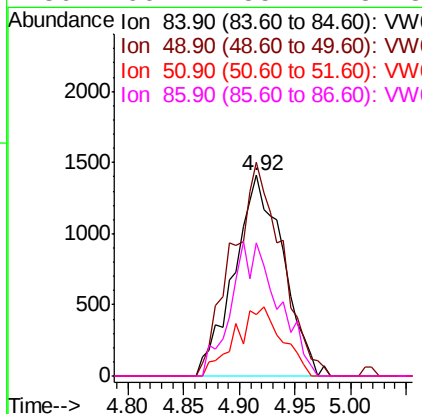
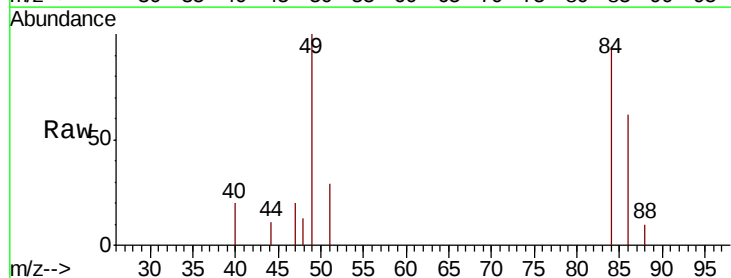
Instrument :
MSVOA_W
ClientSampled :

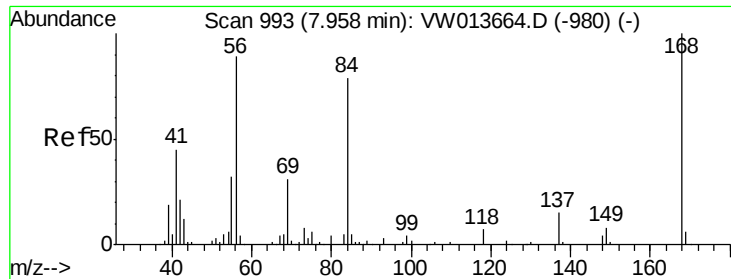
Tot Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
58 45.3 24.1 36.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

Tgt Ion: 84 Resp: 4316
Ion Ratio Lower Upper
84 100
49 106.5 91.8 137.6
51 30.4 29.8 44.6
86 66.4 55.2 82.8

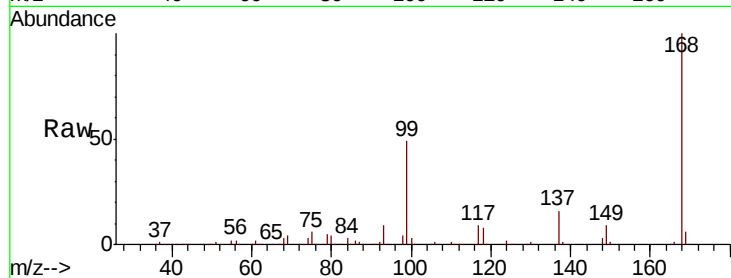




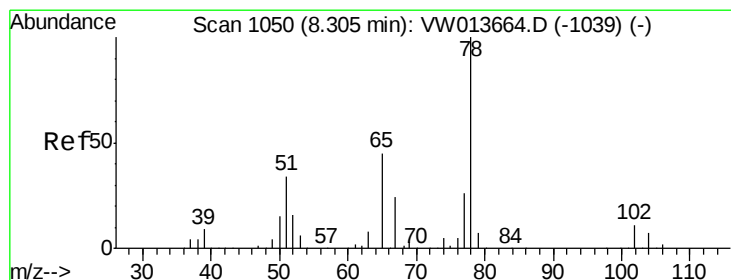
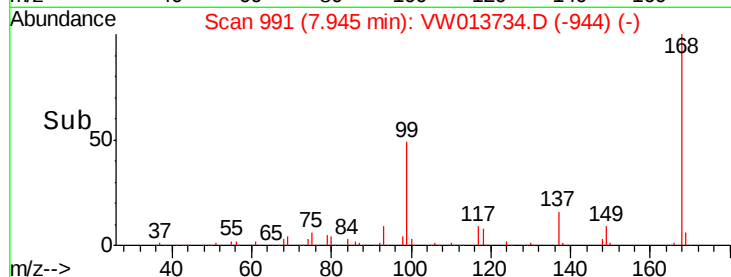
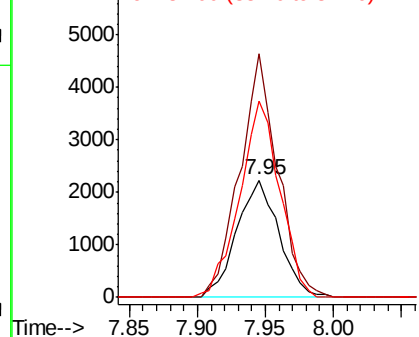
#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 4832
Ion Ratio Lower Upper
56 100
69 207.8 27.5 41.3#
84 167.6 70.8 106.2#

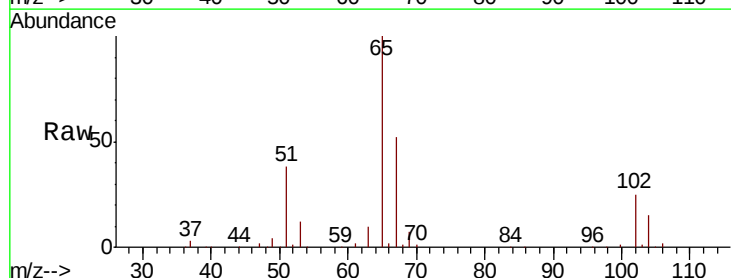


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

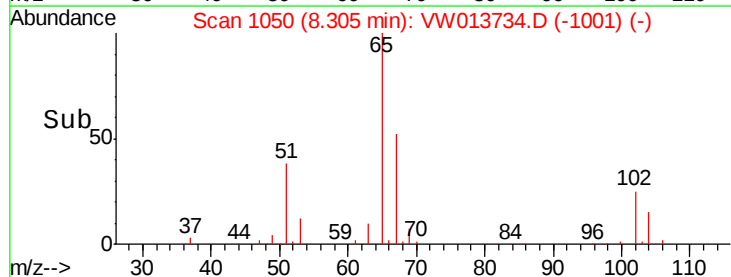
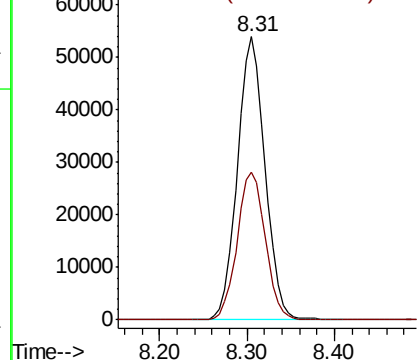


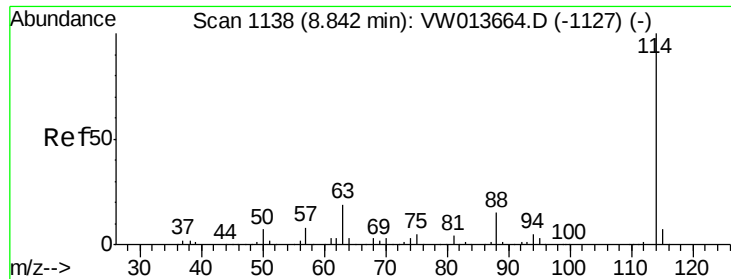
#33
1,2-Dichloroethane-d4
Concen: 55.953 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

Tgt Ion: 65 Resp: 118199
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.4



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

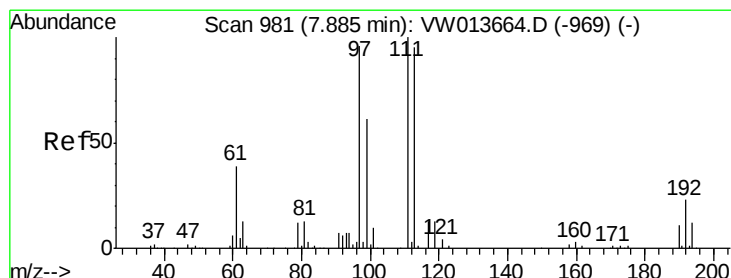
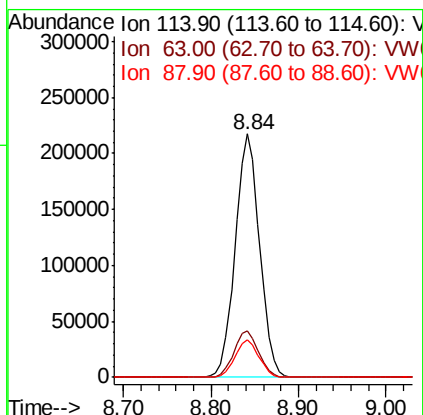
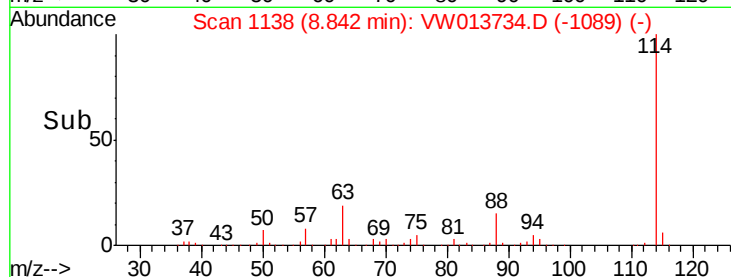
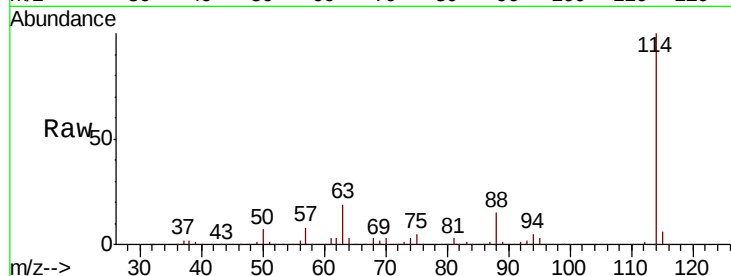




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

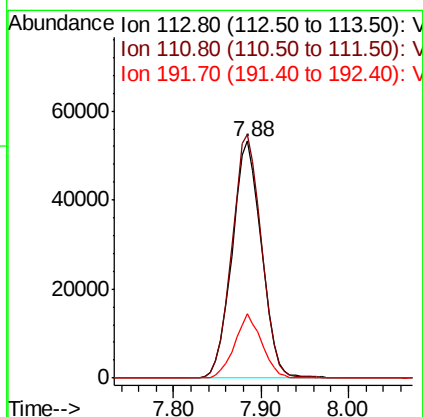
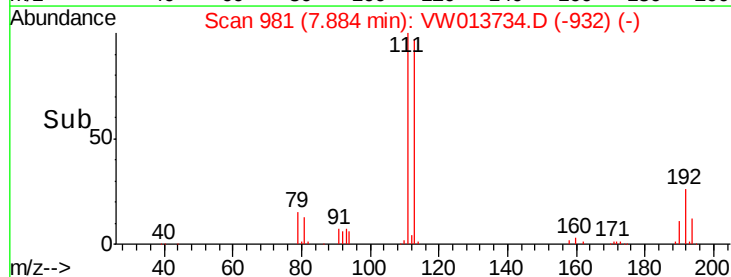
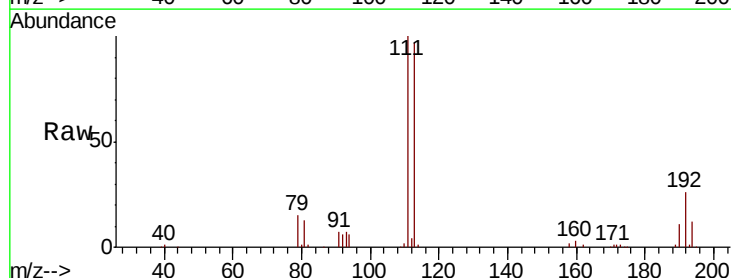
Instrument :
MSVOA_W
ClientSampleId :

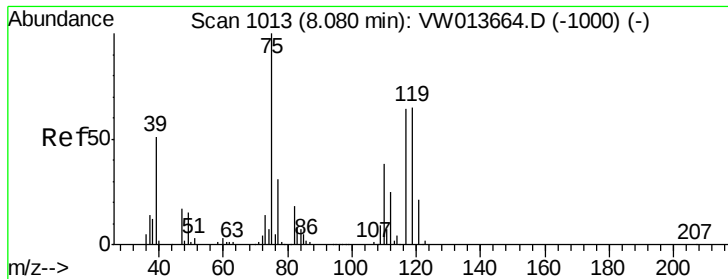
Tot Ion:114 Resp: 421417
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.6
88 15.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 53.042 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

Tgt Ion:113 Resp: 124205
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.6
192 25.1 19.4 29.2

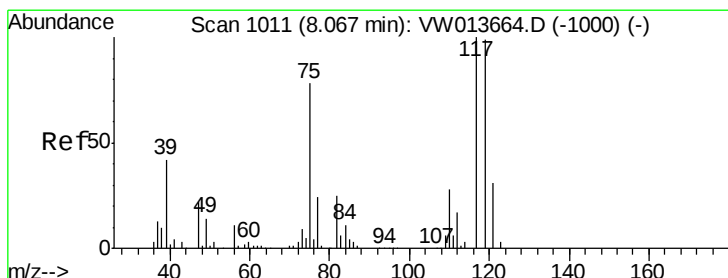
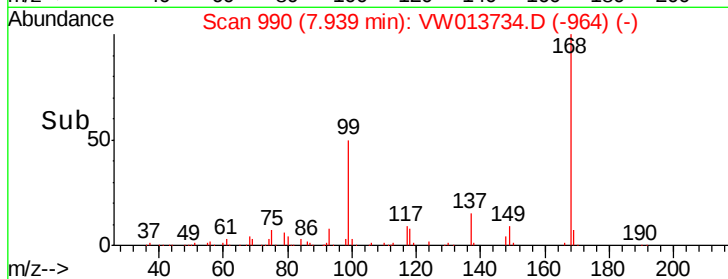
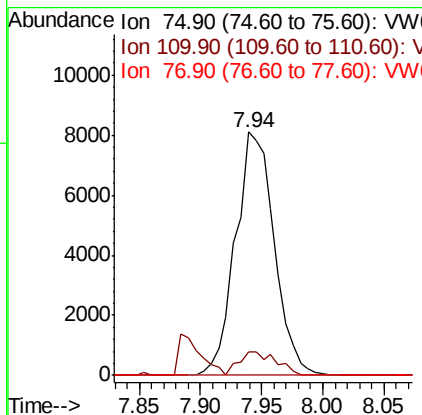
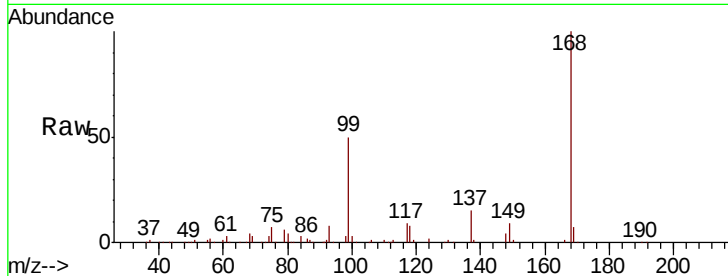




#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013734.D
 Acq: 25 Oct 2019 01:23

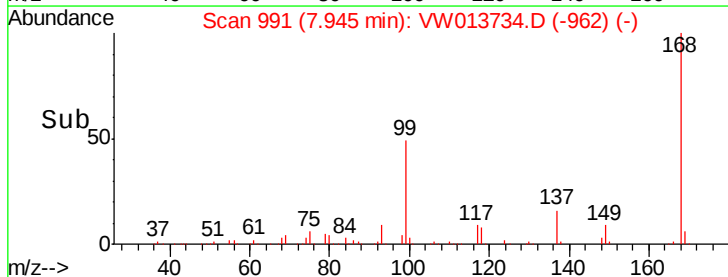
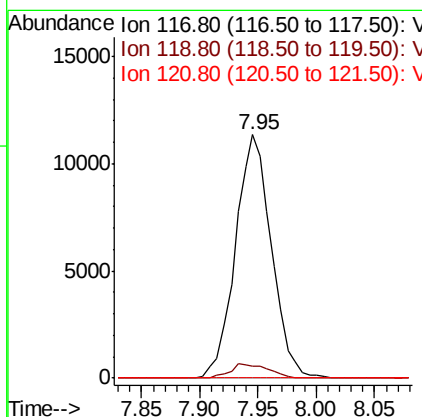
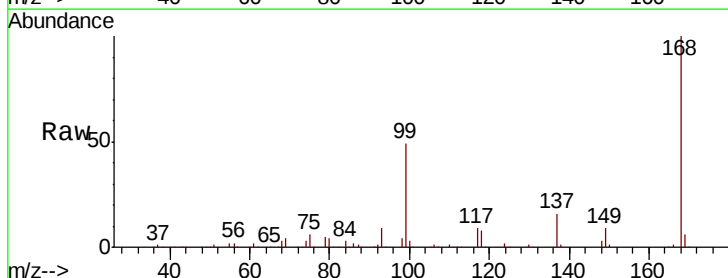
Instrument :
 MSVOA_W
 ClientSampled :

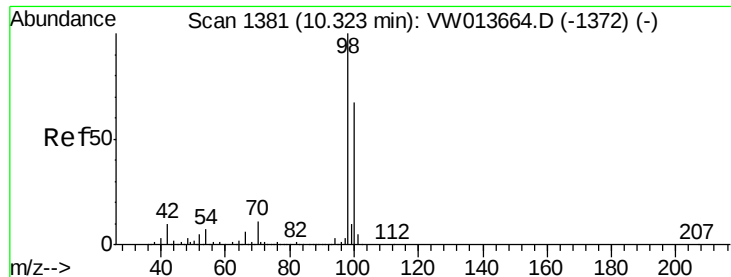
Tot Ion: 75 Resp: 17826
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.7 56.1#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.905 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013734.D
 Acq: 25 Oct 2019 01:23

Tgt Ion: 117 Resp: 24403
 Ion Ratio Lower Upper
 117 100
 119 5.0 79.0 118.4#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.510 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013734.D

Acq: 25 Oct 2019 01:23

Instrument :

MSVOA_W

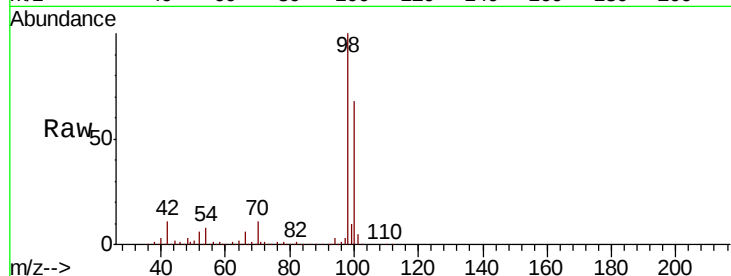
ClientSampleId :

Tot Ion: 98 Resp: 472402

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

300000

250000

200000

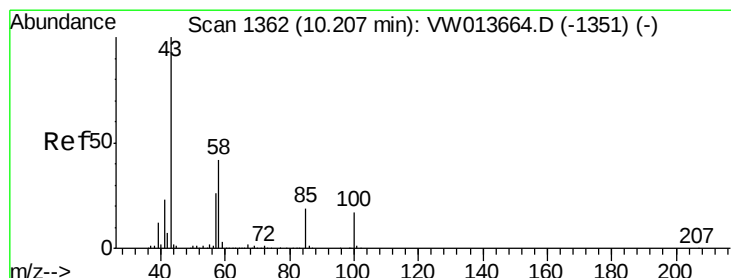
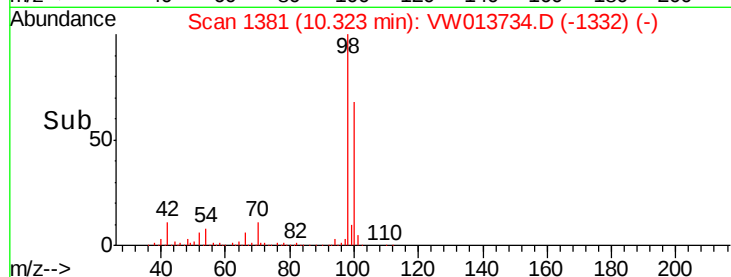
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.281 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013734.D

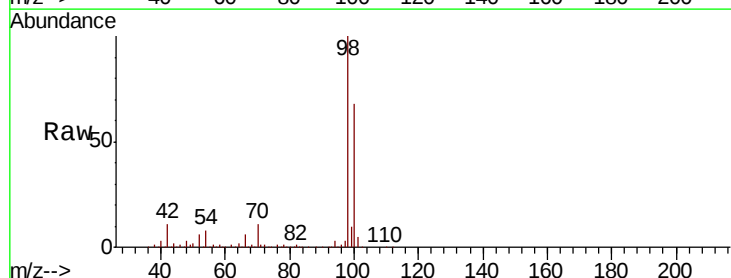
Acq: 25 Oct 2019 01:23

Tgt Ion: 43 Resp: 1831

Ion Ratio Lower Upper

43 100

58 215.3 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

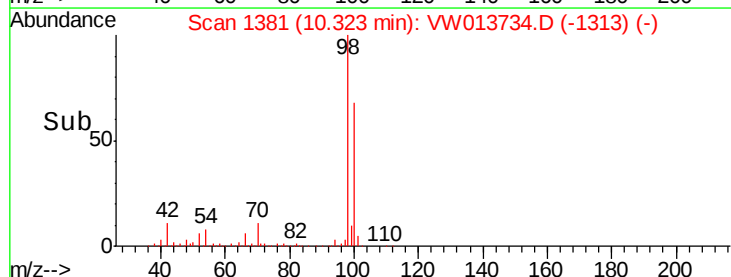
1500

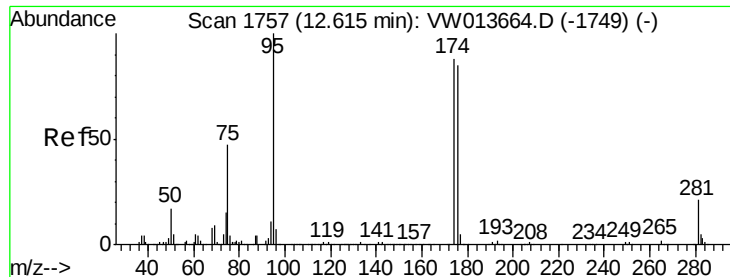
1000

500

0

Time--> 10.25 10.30 10.35

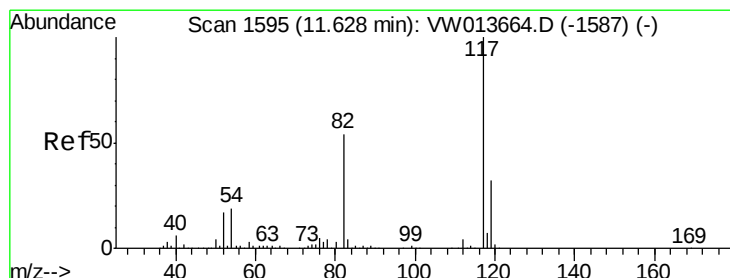
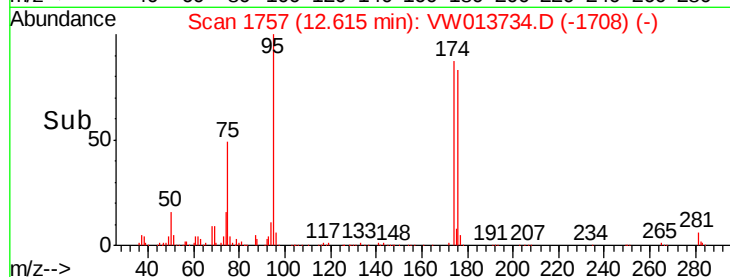
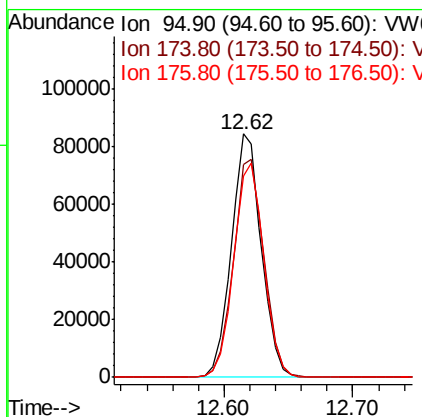
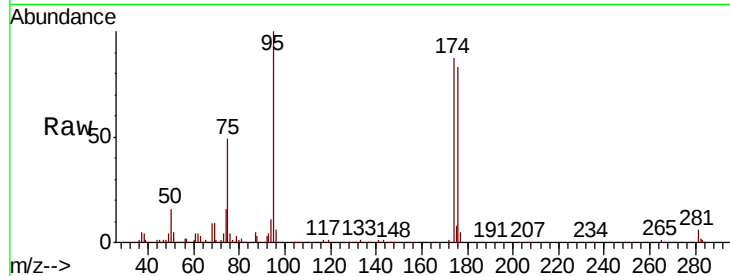




#62
4-Bromofluorobenzene
Concen: 42.133 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

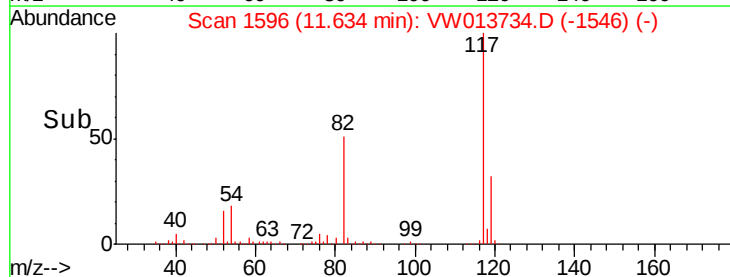
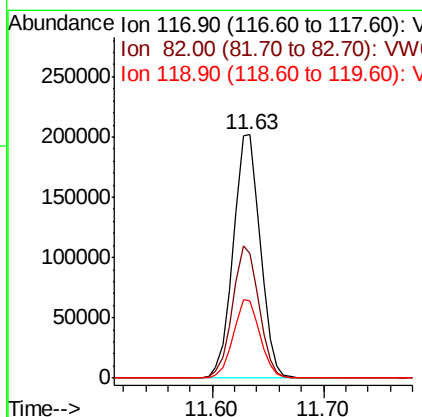
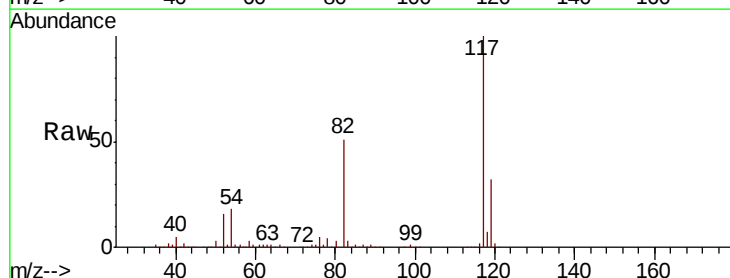
Instrument :
MSVOA_W
ClientSampled :

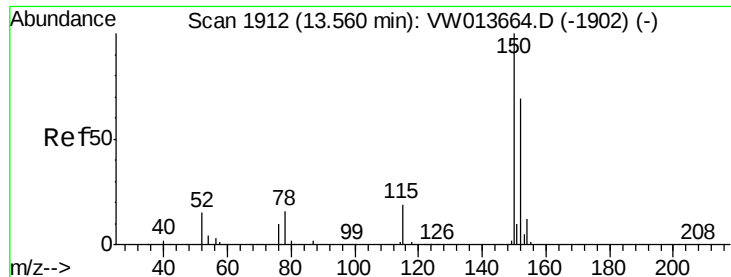
Tot Ion: 95 Resp: 136123
Ion Ratio Lower Upper
95 100
174 91.0 0.0 183.6
176 88.2 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013734.D
Acq: 25 Oct 2019 01:23

Tgt Ion: 117 Resp: 339221
Ion Ratio Lower Upper
117 100
82 51.2 43.6 65.4
119 31.6 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: VW013734.D

Acq: 25 Oct 2019 01:23

Instrument :

MSVOA_W

ClientSampleId :

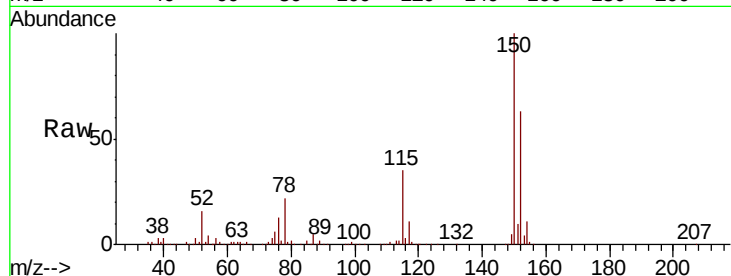
Tot Ion:152 Resp: 127986

Ion Ratio Lower Upper

152 100

115 54.5 27.4 82.2

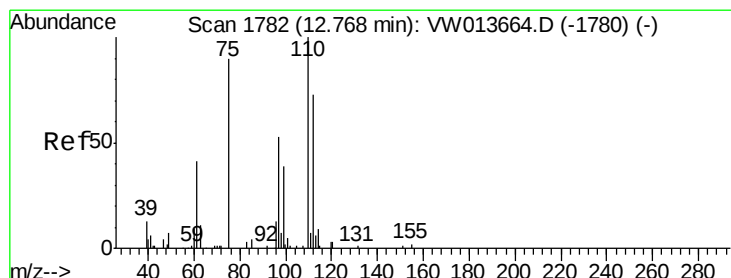
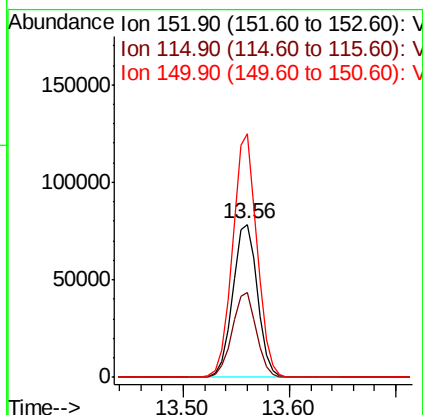
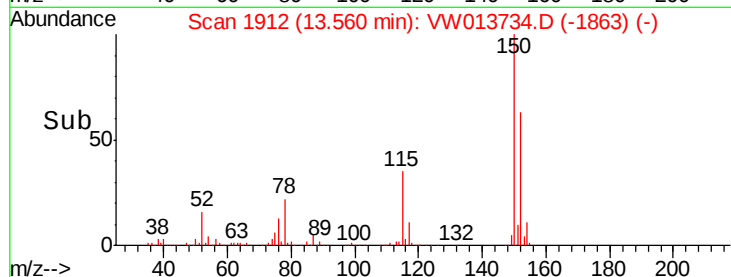
150 155.8 0.0 345.4



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: 68.722 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013734.D

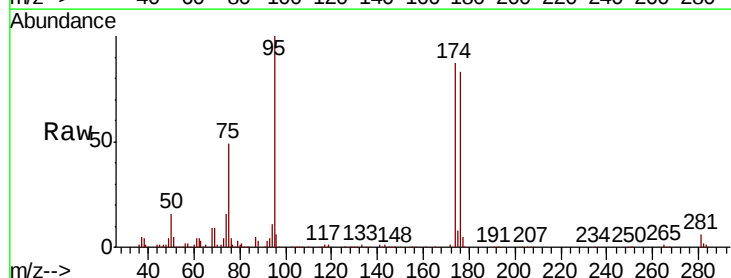
Acq: 25 Oct 2019 01:23

Tgt Ion: 75 Resp: 63164

Ion Ratio Lower Upper

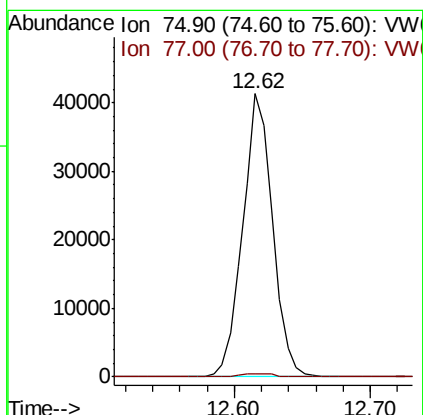
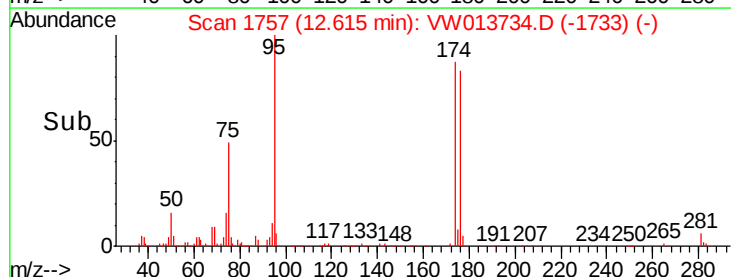
75 100

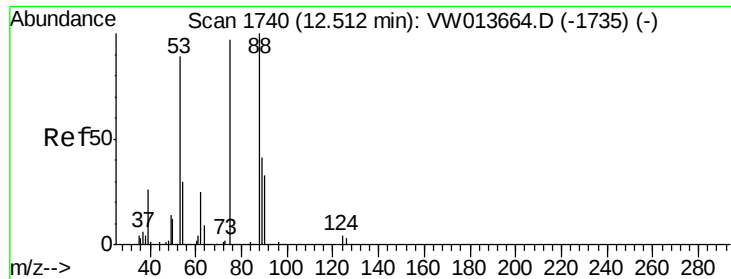
77 1.4 0.0 0.0#



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: 129.876 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013734.D
 Acq: 25 Oct 2019 01:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 63164
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.7 107.5#
 89 0.0 35.8 53.8#

