

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013732.D
 Acq On : 25 Oct 2019 00:31
 Operator : SY/VA
 Sample : K5499-16RE
 Misc : 3.31G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

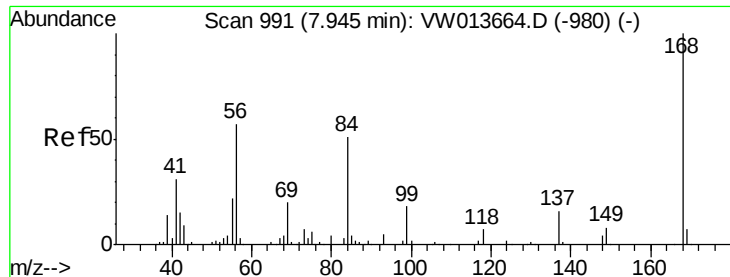
Quant Time: Oct 25 08:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104693	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	110944	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	7.88	113	118302	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
50) Toluene-d8	10.32	98	448428	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.62	95	117708	39.23	ug/l	0.00
Spiked Amount			Recovery	=	78.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	325	2.756	ug/l #	71
16) Acetone	4.14	43	1113	2.657	ug/l #	45
20) Methylene Chloride	4.92	84	3412	Below Cal		97
31) Cyclohexane	7.95	56	4497	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16848	4.623	ug/l #	47
38) Carbon Tetrachloride	7.95	117	22978	7.001	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1956	1.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	54220	72.116	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54220	136.290	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: VW013732.D

Acq: 25 Oct 2019 00:31

Instrument :

MSVOA_W

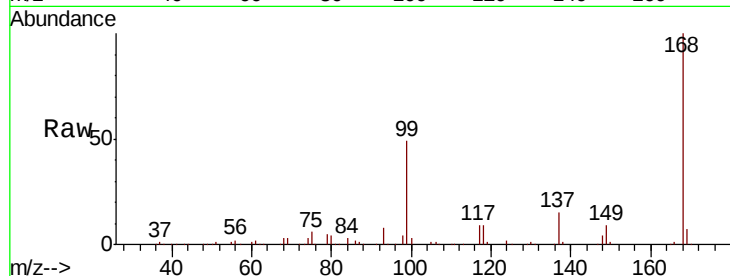
ClientSampleId :

Tot Ion:168 Resp: 263341

Ion Ratio Lower Upper

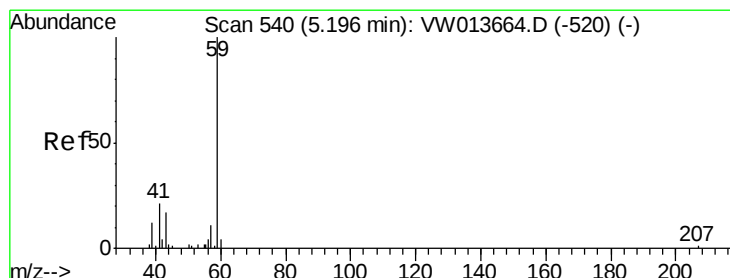
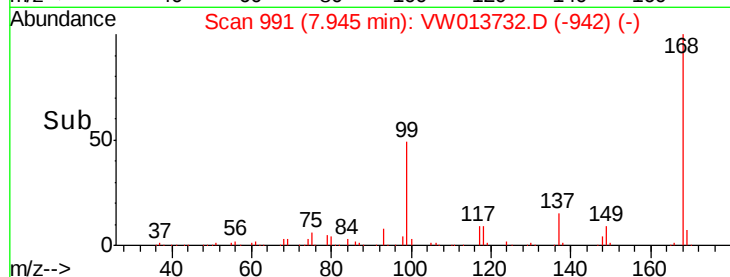
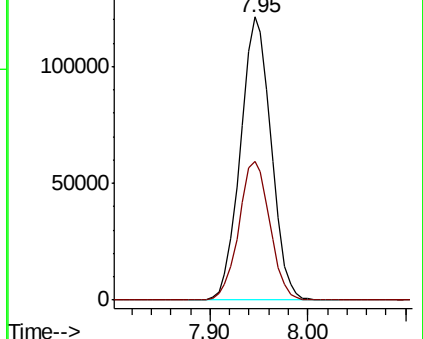
168 100

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



#11

Tert butyl alcohol

Concen: 2.756 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW013732.D

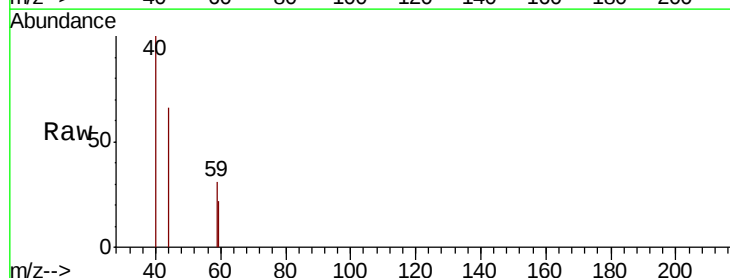
Acq: 25 Oct 2019 00:31

Tgt Ion: 59 Resp: 325

Ion Ratio Lower Upper

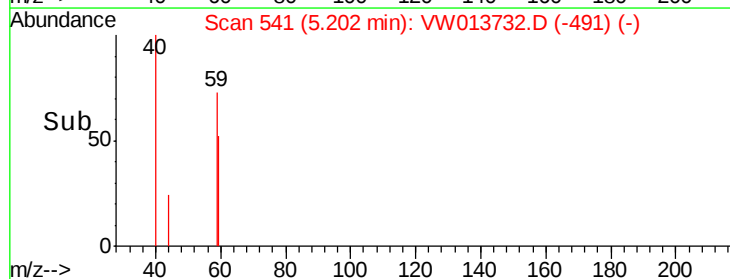
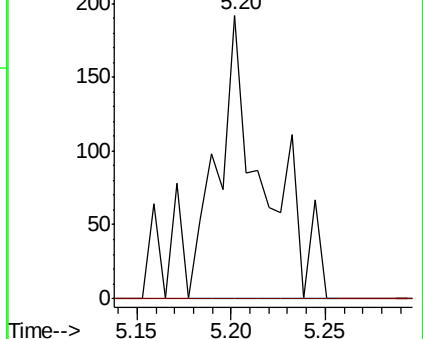
59 100

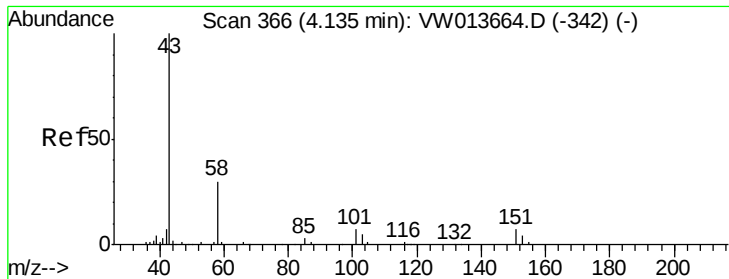
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

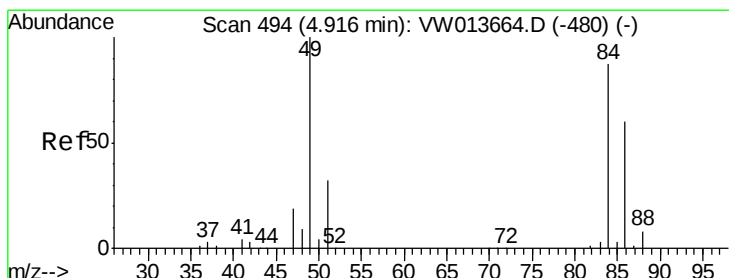
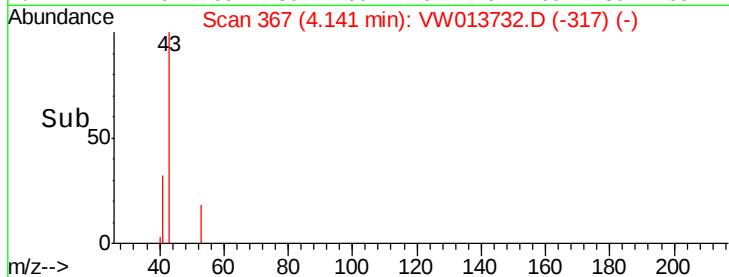
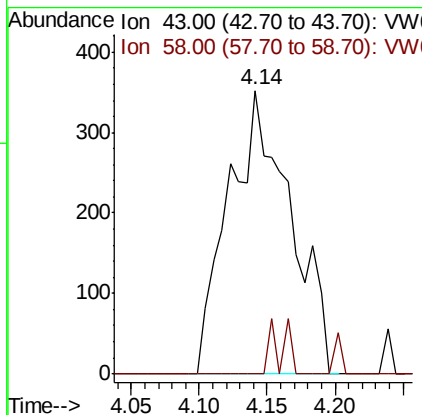
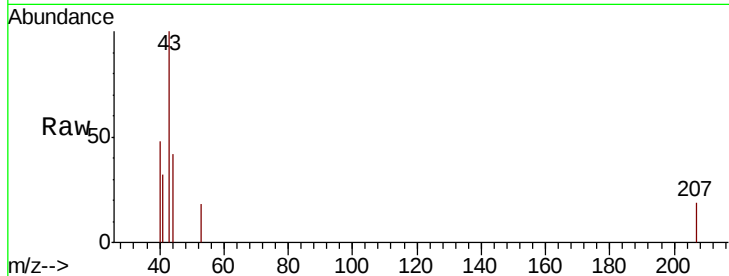




#16
Acetone
Concen: 2.657 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW013732.D
Acq: 25 Oct 2019 00:31

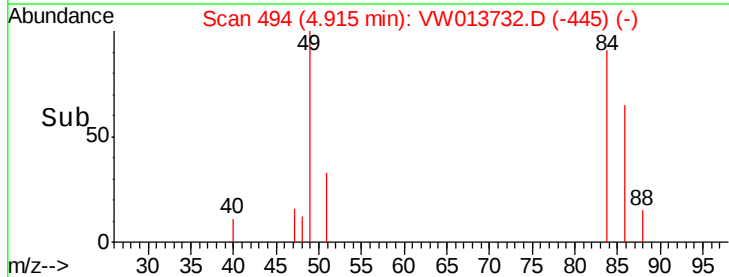
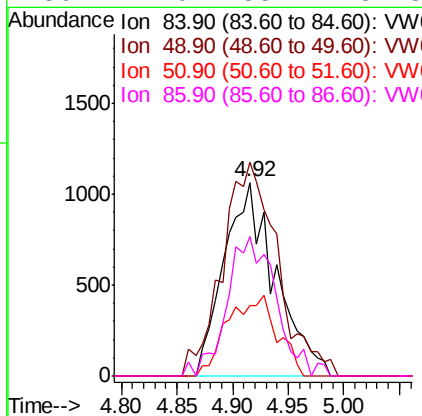
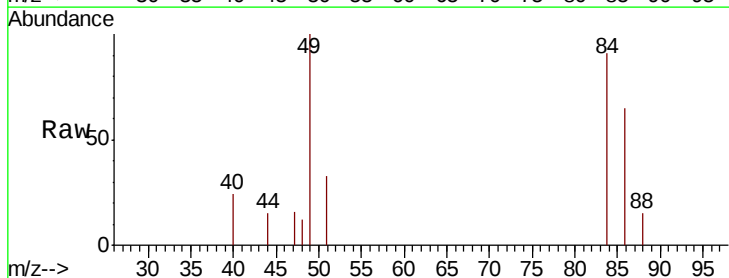
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MSVOA_W
ClientSampled :

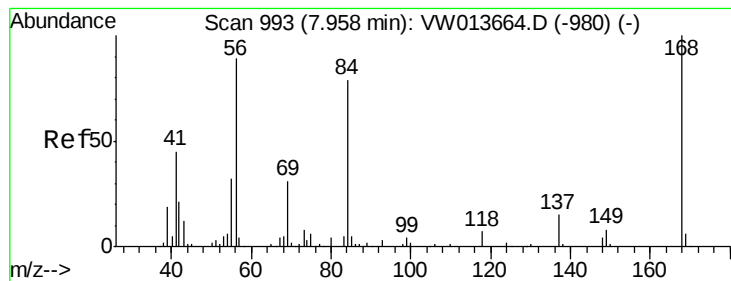
Tot Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013732.D
Acq: 25 Oct 2019 00:31

Tgt Ion: 84 Resp: 3412
Ion Ratio Lower Upper
84 100
49 110.2 91.8 137.6
51 36.7 29.8 44.6
86 72.0 55.2 82.8





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013732.D

Acq: 25 Oct 2019 00:31

Instrument :

MSVOA_W

ClientSampled :

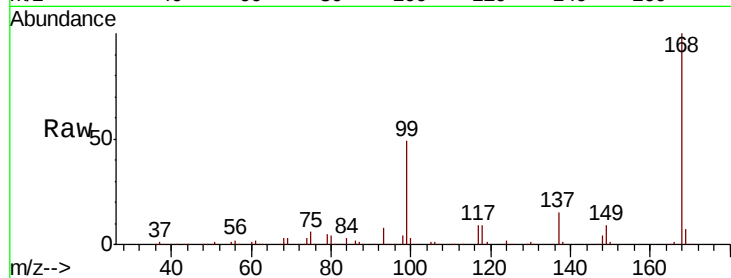
Tot Ion: 56 Resp: 4497

Ion Ratio Lower Upper

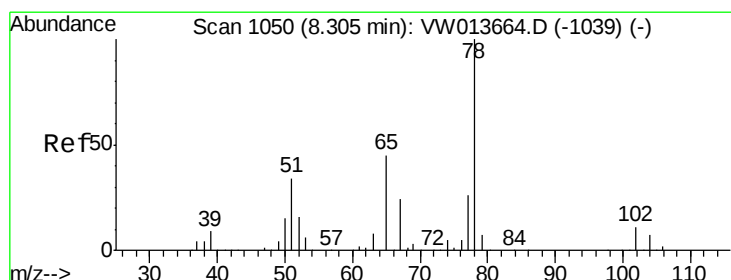
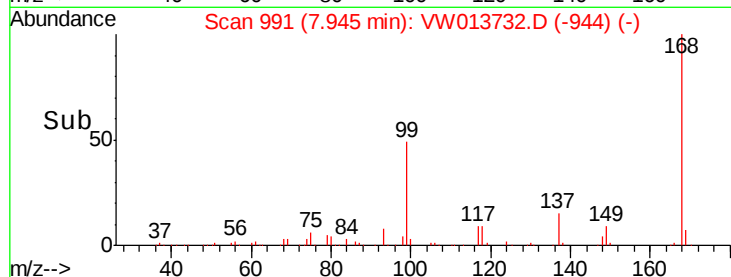
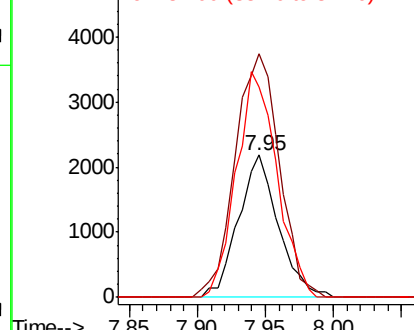
56 100

69 171.4 27.5 41.3#

84 148.5 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: 56.160 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013732.D

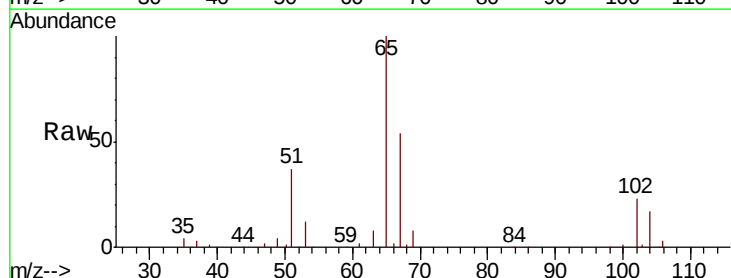
Acq: 25 Oct 2019 00:31

Tgt Ion: 65 Resp: 110944

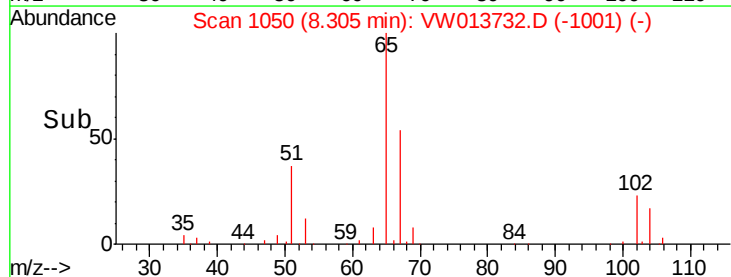
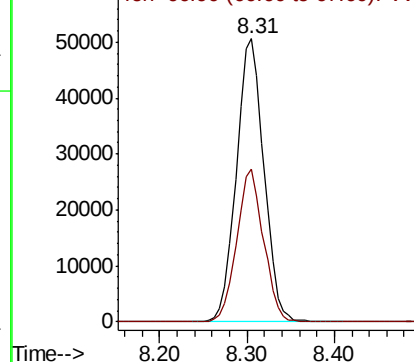
Ion Ratio Lower Upper

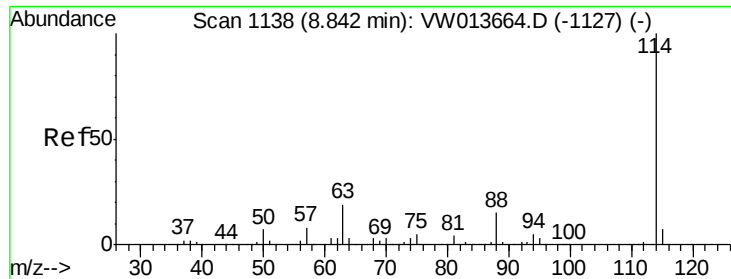
65 100

67 52.3 0.0 109.4



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

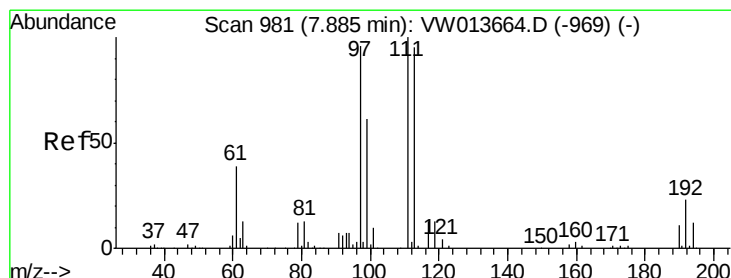
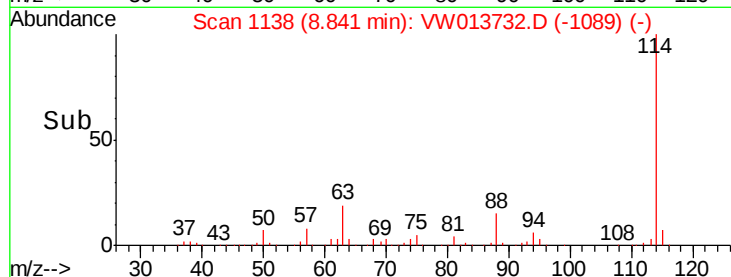
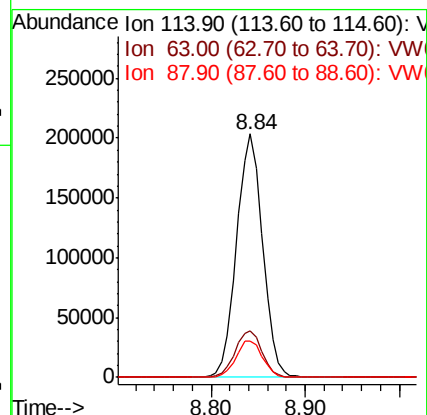
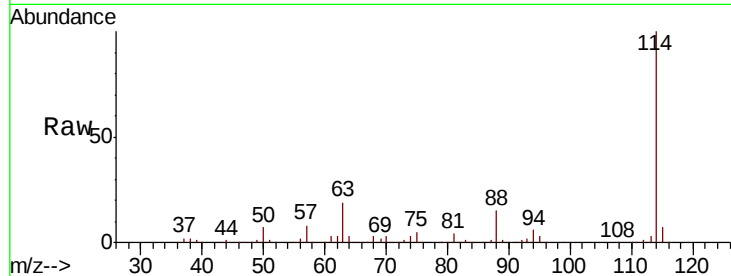




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013732.D
 Acq: 25 Oct 2019 00:31

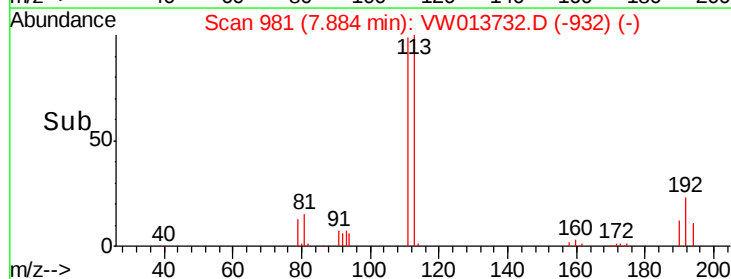
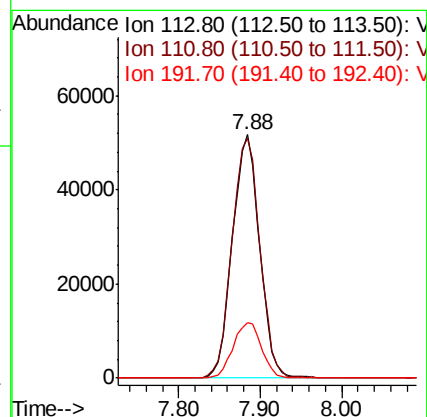
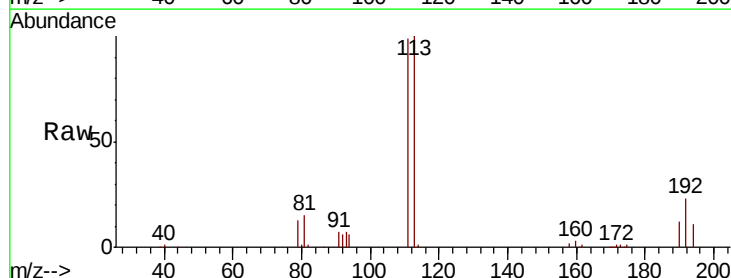
Instrument :
 MSVOA_W
 ClientSampleId :

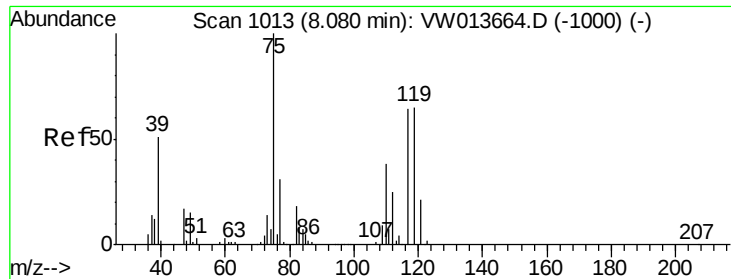
Tot Ion:114 Resp: 391360
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.6
 88 14.7 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 54.401 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013732.D
 Acq: 25 Oct 2019 00:31

Tgt Ion:113 Resp: 118302
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.6
 192 24.0 19.4 29.2

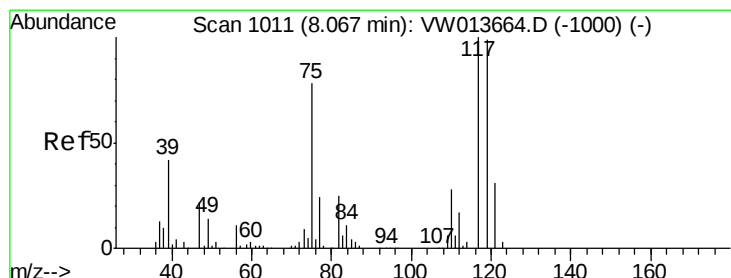
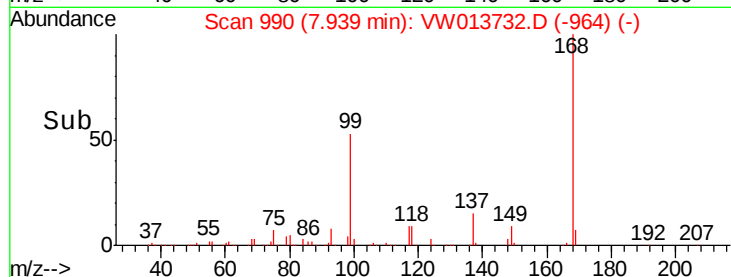
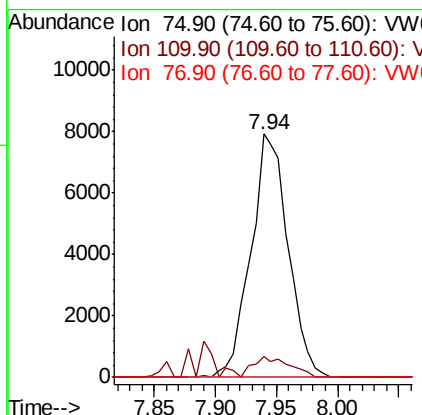
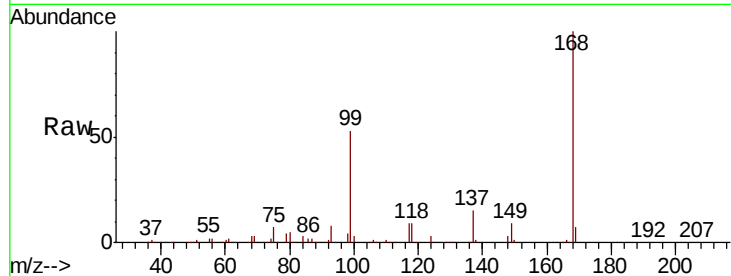




#36
 1,1-Dichloropropene
 Concen: 4.623 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013732.D
 Acq: 25 Oct 2019 00:31

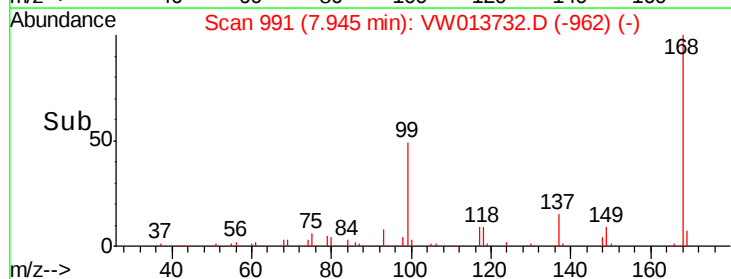
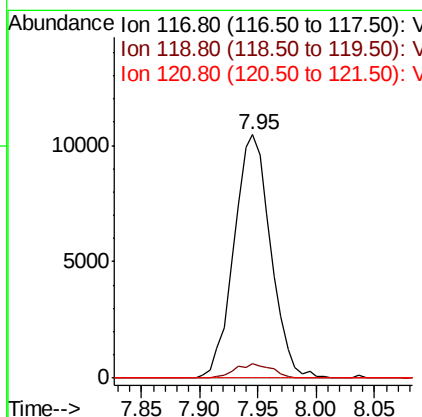
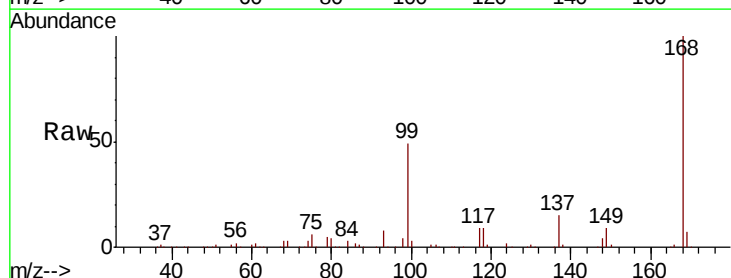
Instrument :
 MSVOA_W
 ClientSampled :

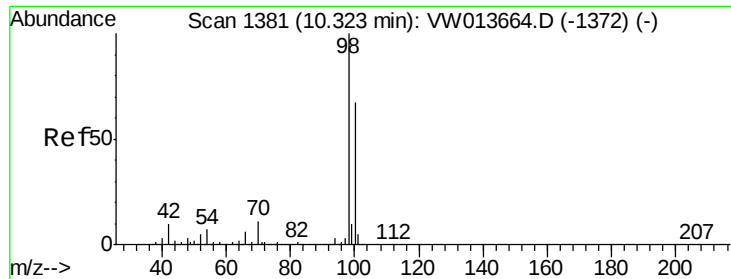
Tot Ion	75	Resp	16848
Ion Ratio	Lower	Upper	
75	100		
110	8.2	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 7.001 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013732.D
 Acq: 25 Oct 2019 00:31

Tgt Ion	117	Resp	22978
Ion Ratio	Lower	Upper	
117	100		
119	6.0	79.0	118.4#
121	0.0	24.5	36.7#

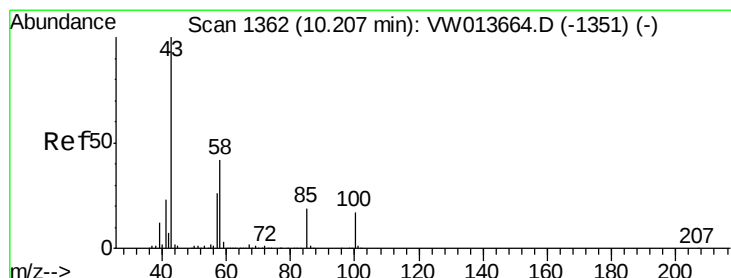
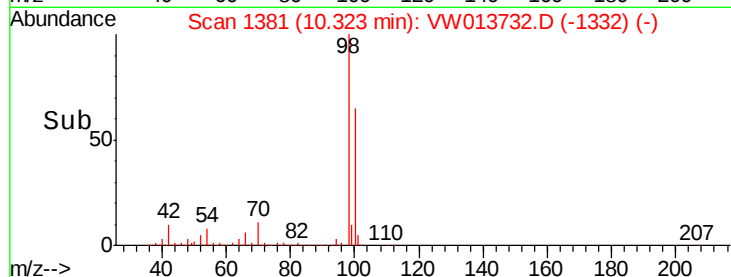
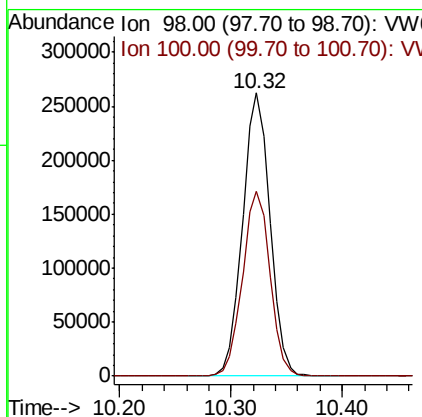
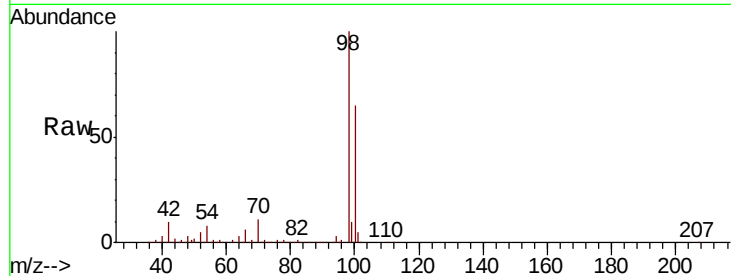




#50
Toluene-d8
Concen: 50.607 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013732.D
Acq: 25 Oct 2019 00:31

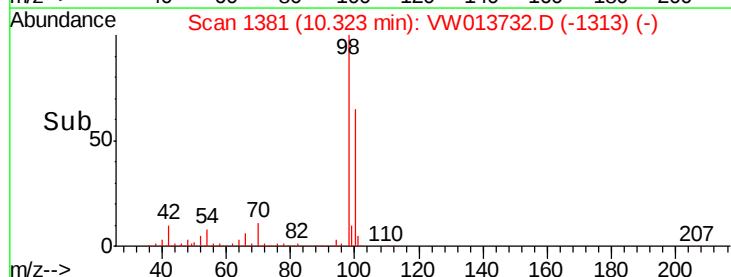
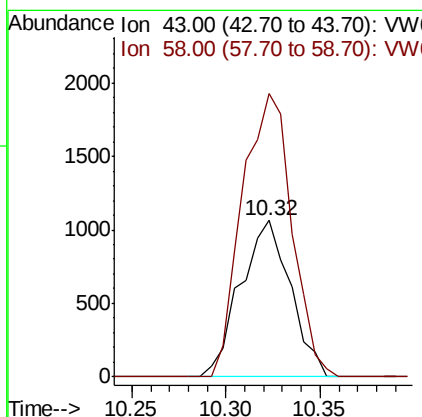
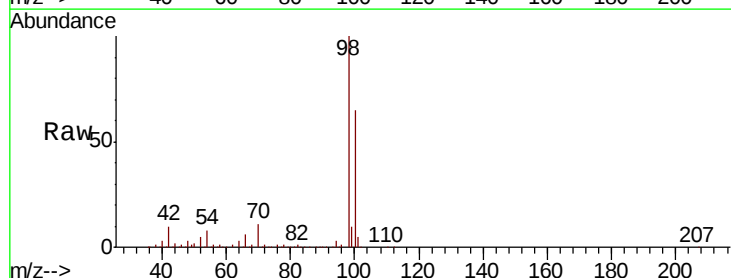
Instrument :
MSVOA_W
ClientSampleId :

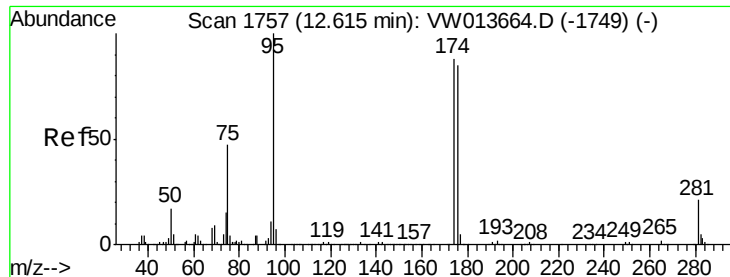
Tot Ion: 98 Resp: 448428
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.474 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW013732.D
Acq: 25 Oct 2019 00:31

Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 179.6 32.6 49.0#

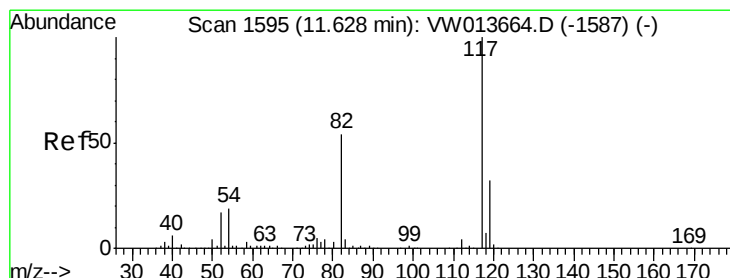
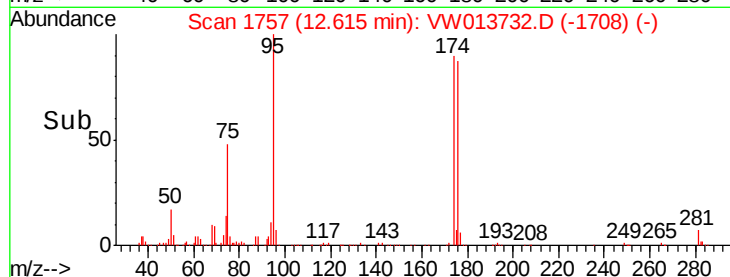
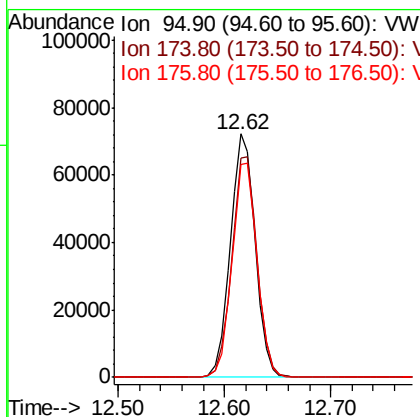
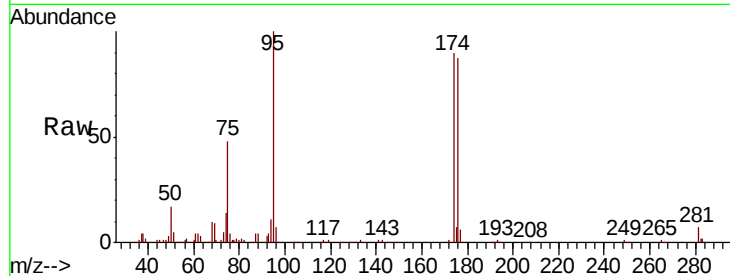




#62
4-Bromofluorobenzene
Concen: 39.231 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013732.D
Acq: 25 Oct 2019 00:31

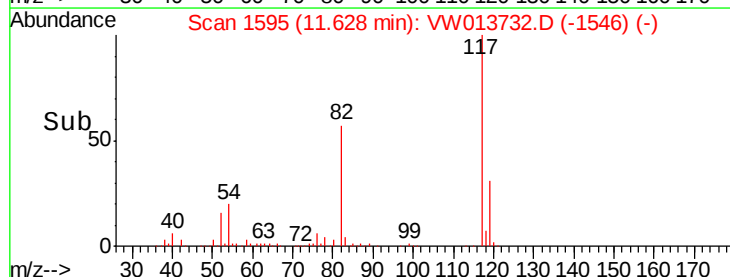
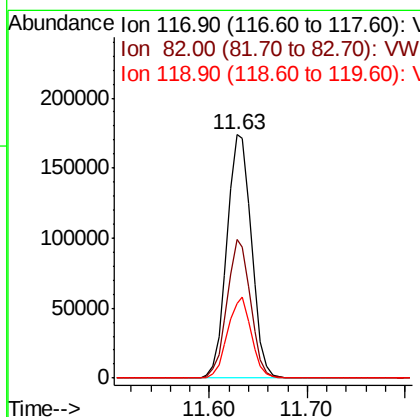
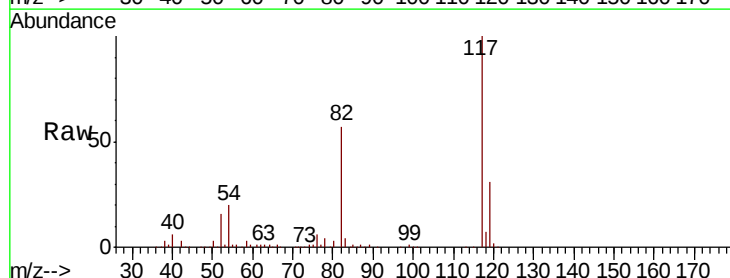
Instrument :
MSVOA_W
ClientSampled :

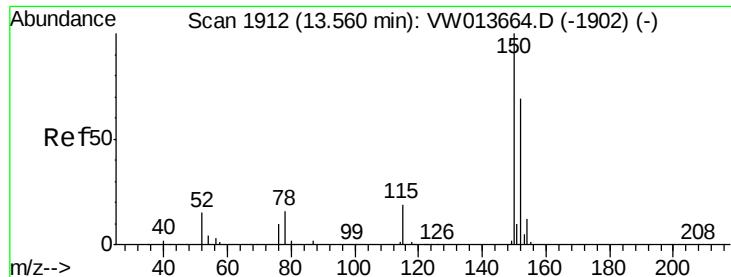
Tot Ion: 95 Resp: 117708
Ion Ratio Lower Upper
95 100
174 92.3 0.0 183.6
176 89.0 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013732.D
Acq: 25 Oct 2019 00:31

Tgt Ion: 117 Resp: 302960
Ion Ratio Lower Upper
117 100
82 56.8 43.6 65.4
119 30.9 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: VW013732.D

Acq: 25 Oct 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

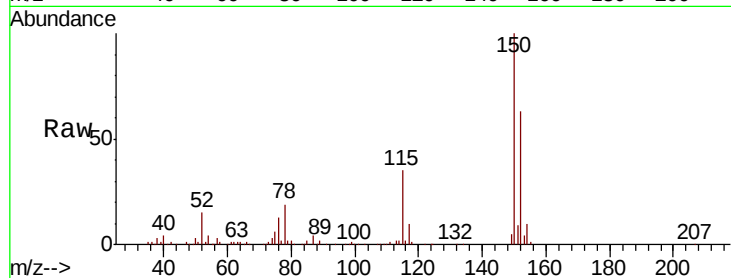
Tot Ion:152 Resp: 104693

Ion Ratio Lower Upper

152 100

115 55.9 27.4 82.2

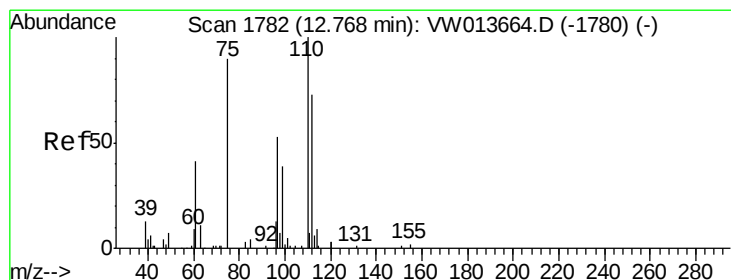
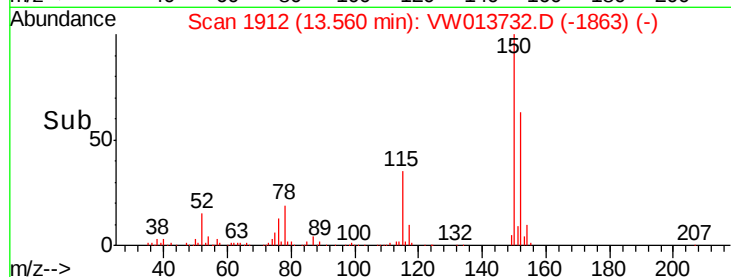
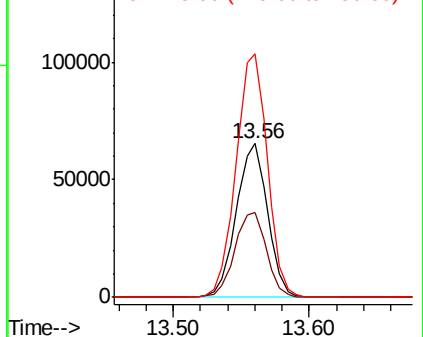
150 158.7 0.0 345.4



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: 72.116 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013732.D

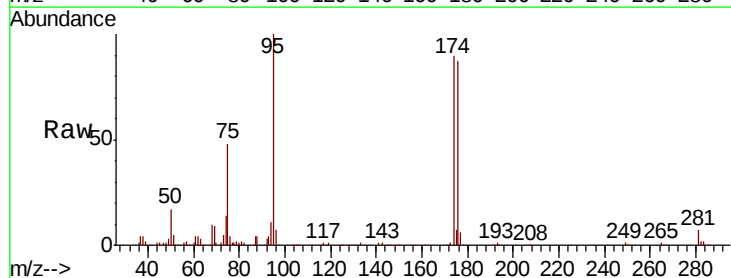
Acq: 25 Oct 2019 00:31

Tgt Ion: 75 Resp: 54220

Ion Ratio Lower Upper

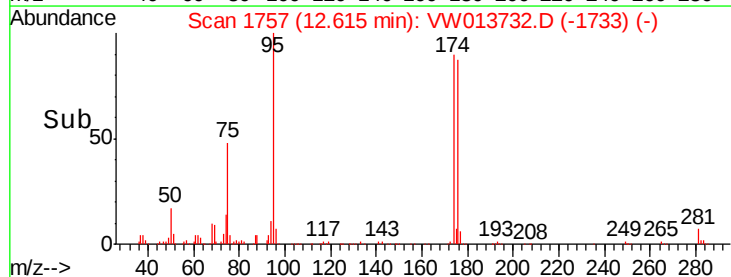
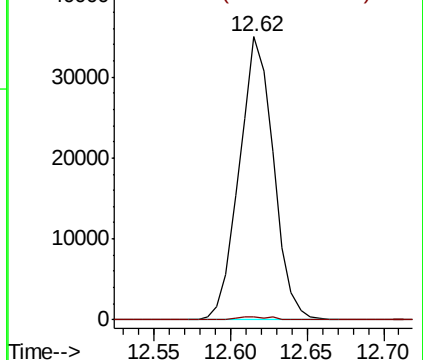
75 100

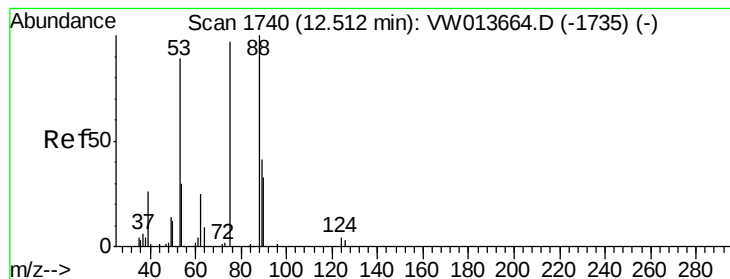
77 1.1 0.0 0.0#



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: 136.290 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013732.D

Acq: 25 Oct 2019 00:31

Instrument :

MSVOA_W

ClientSampleId :

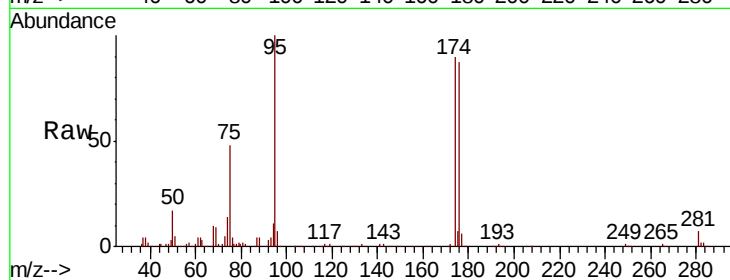
Tot Ion: 75 Resp: 54220

Ion Ratio Lower Upper

75 100

53 0.1 71.7 107.5#

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

