

Data File : VW013982.D
Acq On : 12 Nov 2019 18:14
Operator : SY/VA
Sample : K5785-01
Misc : 6.22G/5.0ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
72-12002-VNJ-221

Quant Time: Nov 13 06:44:42 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	282984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121993	57.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.94%	
35) Dibromofluoromethane	7.88	113	125268	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.32	98	494821	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.62	95	157948	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

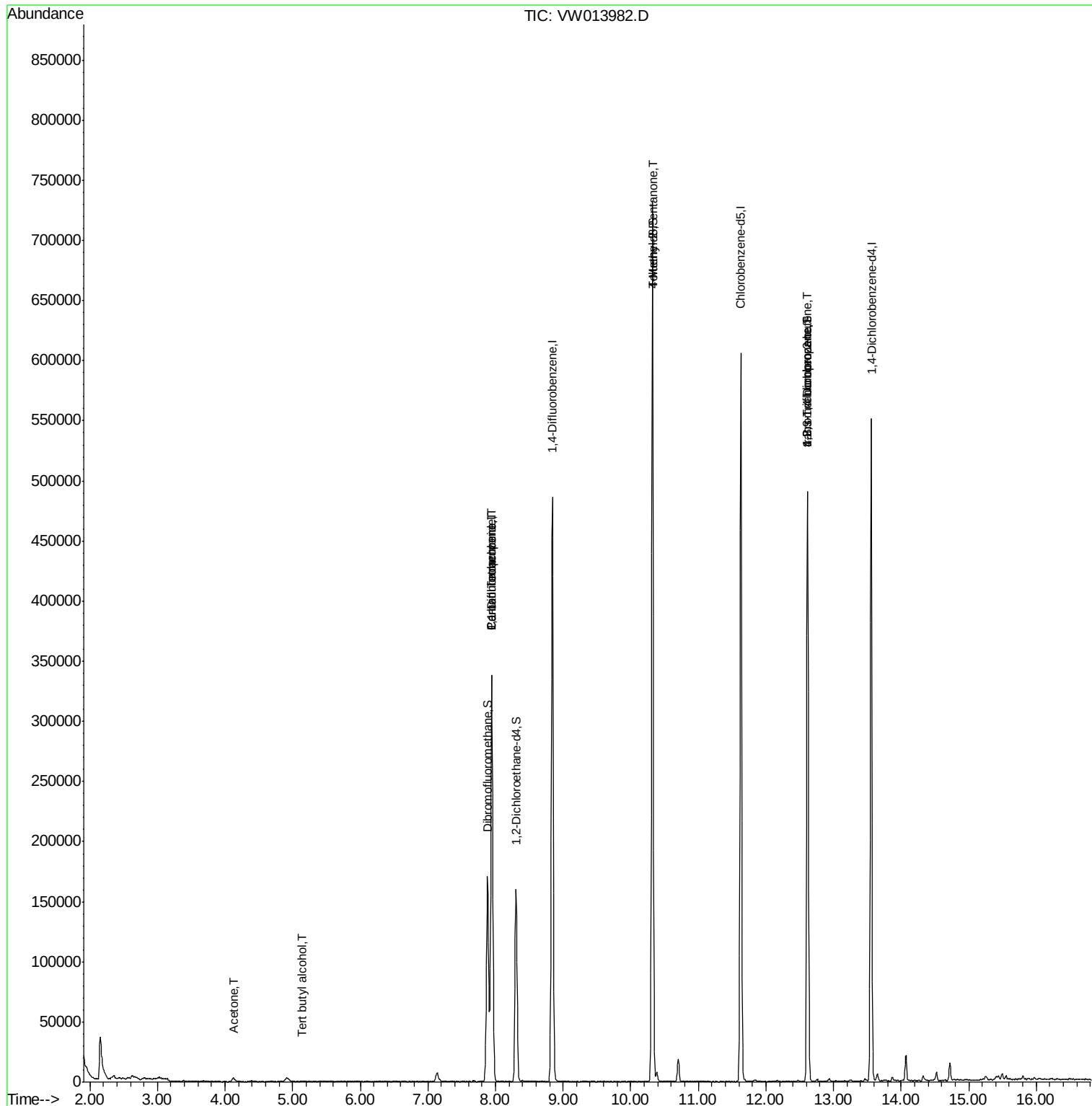
						Qvalue
11) Tert butyl alcohol	5.13	59	313	2.470	ug/l #	71
16) Acetone	4.13	43	6008	13.348	ug/l	93
20) Methylene Chloride	4.91	84	3134	Below Cal	#	83
36) 1,1-Dichloropropene	7.95	75	17697	4.408	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23623	6.535	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1985	1.358	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73134	64.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73134	121.497	ug/l #	14

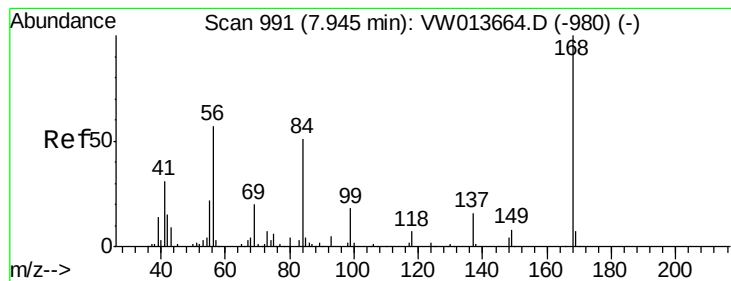
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013982.D

Acq: 12 Nov 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

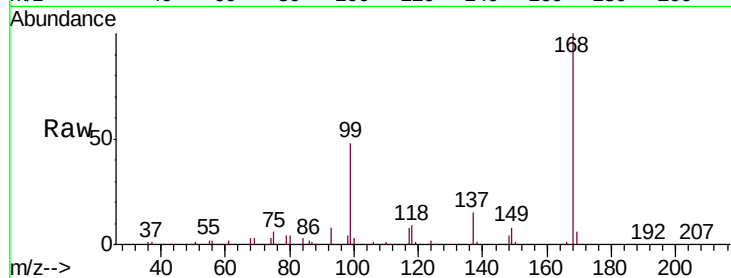
72-12002-VNJ-221

Tgt Ion:168 Resp: 282984

Ion Ratio Lower Upper

168 100

99 48.2 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

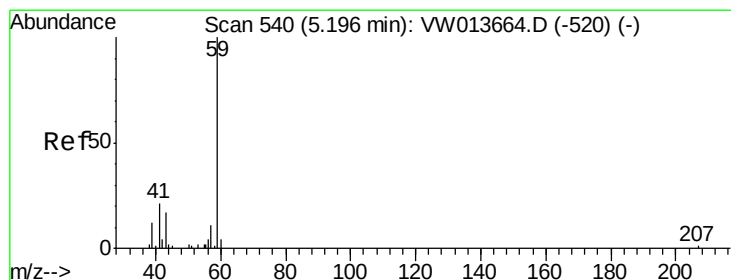
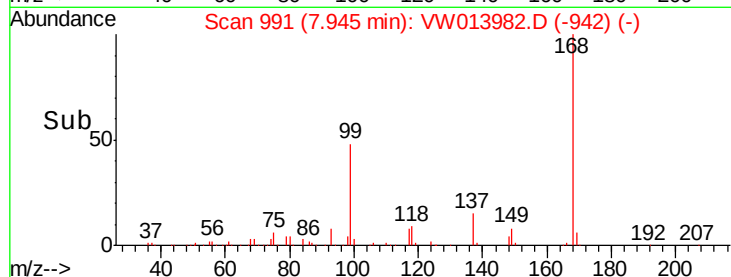
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.470 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.06 min

Lab File: VW013982.D

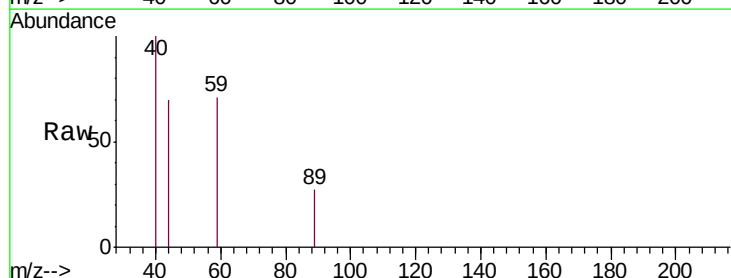
Acq: 12 Nov 2019 18:14

Tgt Ion: 59 Resp: 313

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

5.13

200

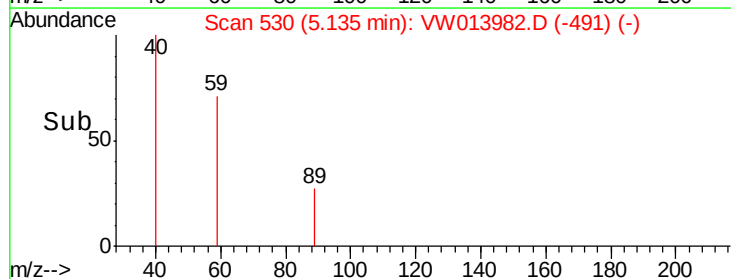
150

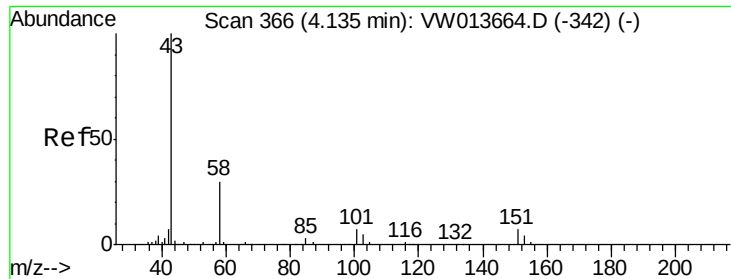
100

50

0

Time-->





#16

Acetone

Concen: 13.348 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013982.D

Acq: 12 Nov 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

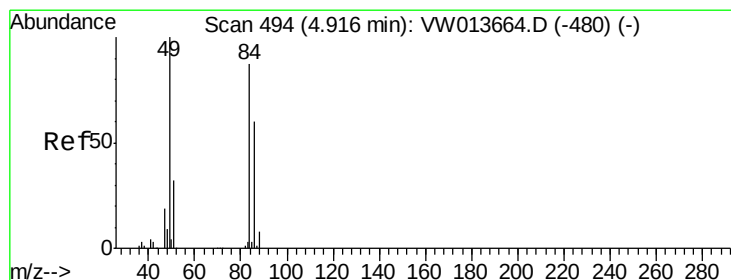
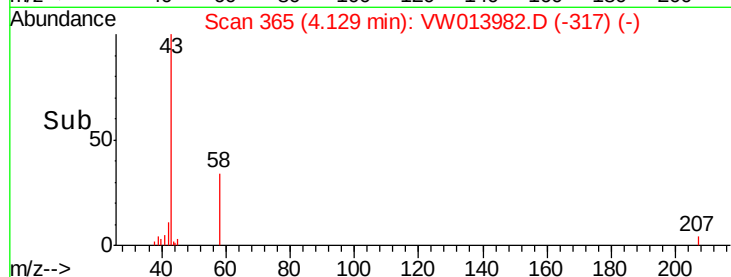
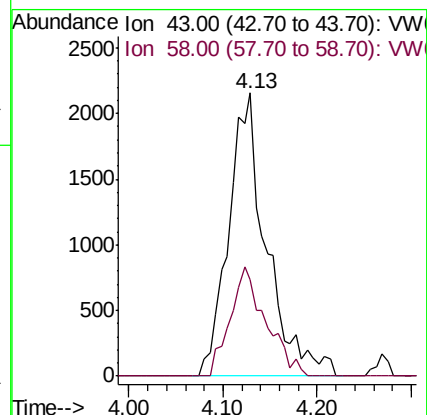
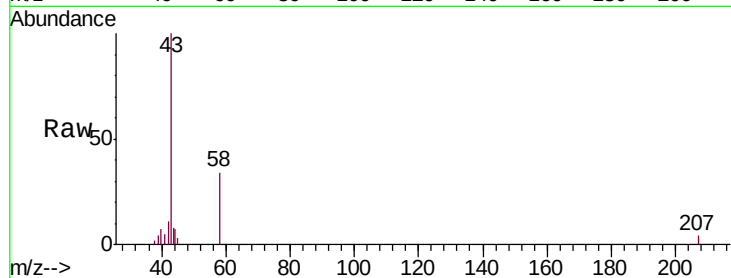
72-12002-VNJ-221

Tgt Ion: 43 Resp: 6008

Ion Ratio Lower Upper

43 100

58 34.1 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013982.D

Acq: 12 Nov 2019 18:14

Tgt Ion: 84 Resp: 3134

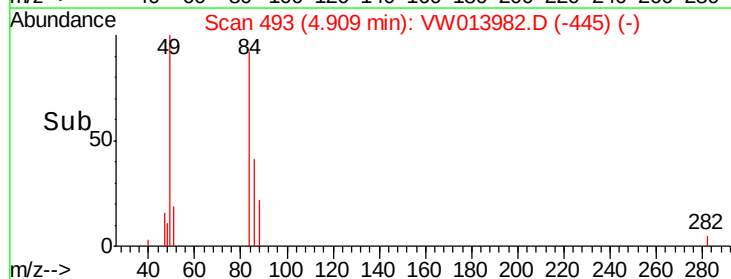
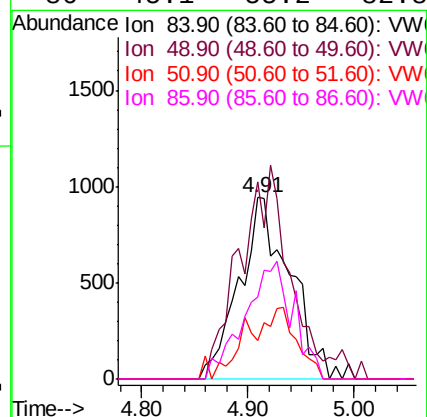
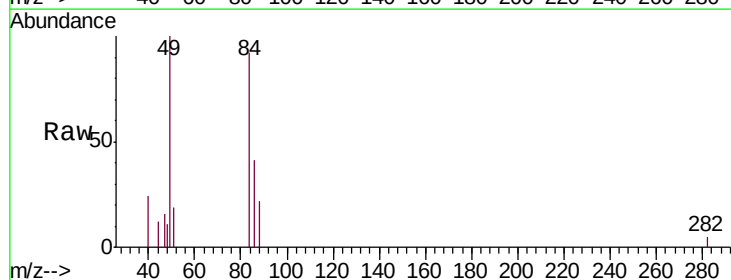
Ion Ratio Lower Upper

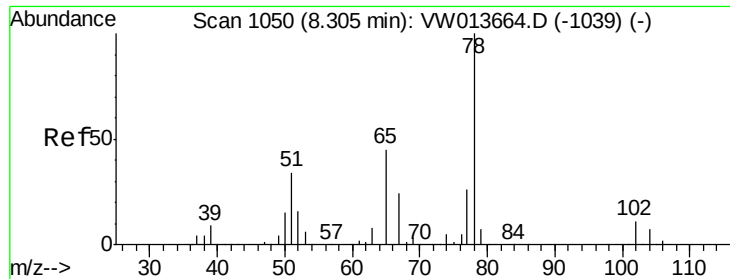
84 100

49 108.7 91.8 137.6

51 21.0 29.8 44.6#

86 45.1 55.2 82.8#

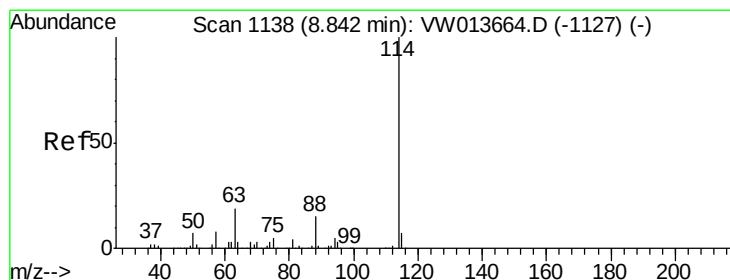
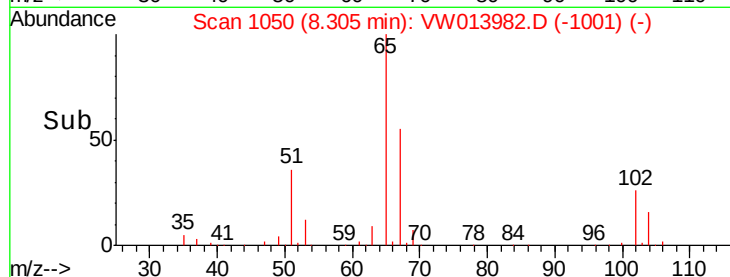
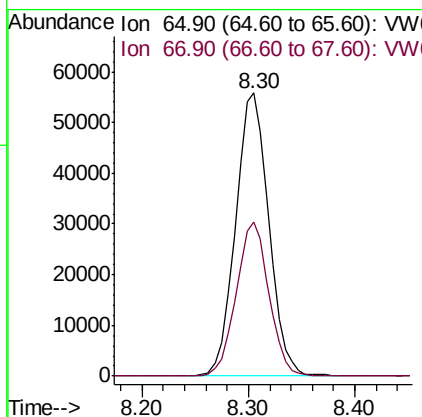
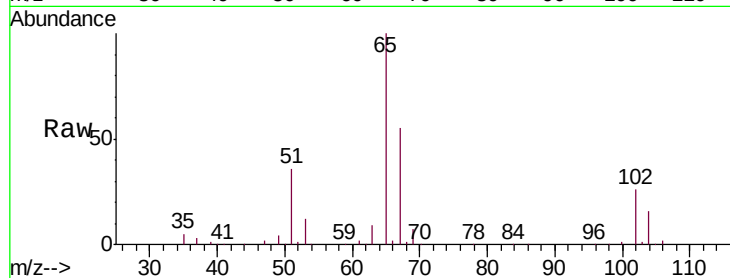




#33
 1,2-Dichloroethane-d4
 Concen: 57.467 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013982.D
 Acq: 12 Nov 2019 18:14

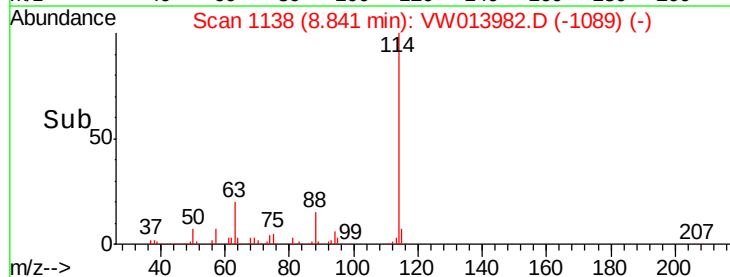
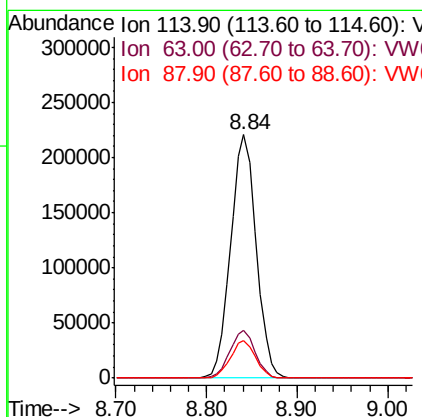
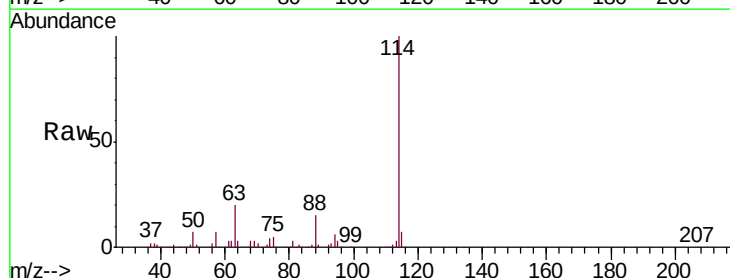
Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-VNJ-221

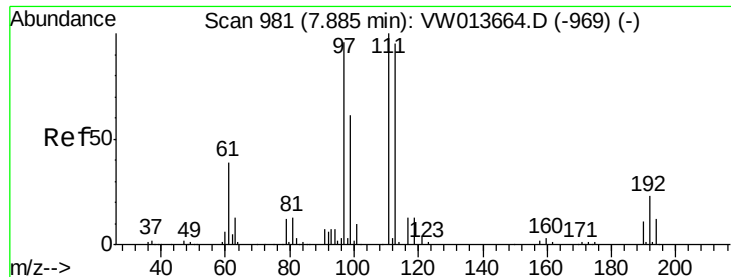
Tgt Ion: 65 Resp: 121993
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013982.D
 Acq: 12 Nov 2019 18:14

Tgt Ion: 114 Resp: 431047
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.6
 88 15.3 0.0 30.2

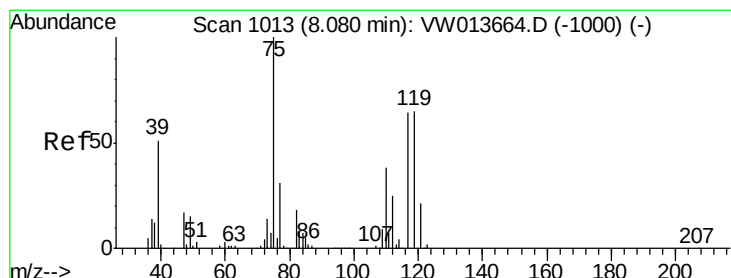
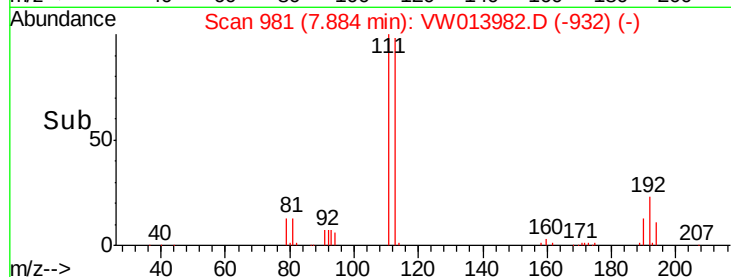
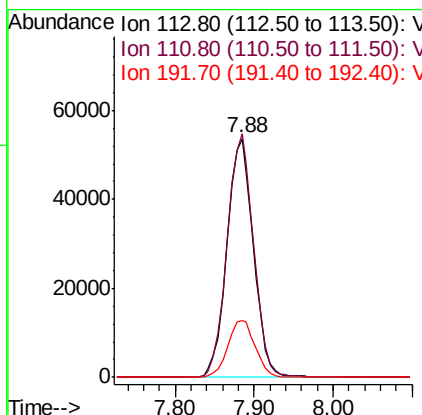
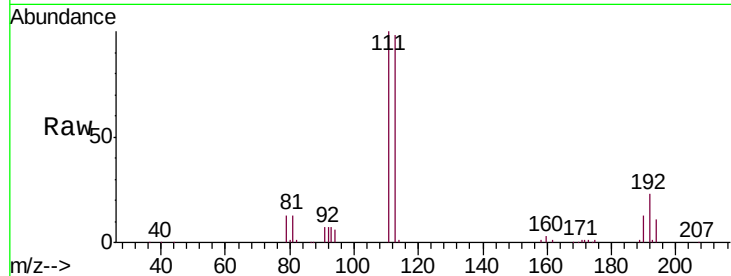




#35
 Dibromofluoromethane
 Concen: 52.301 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013982.D
 Acq: 12 Nov 2019 18:14

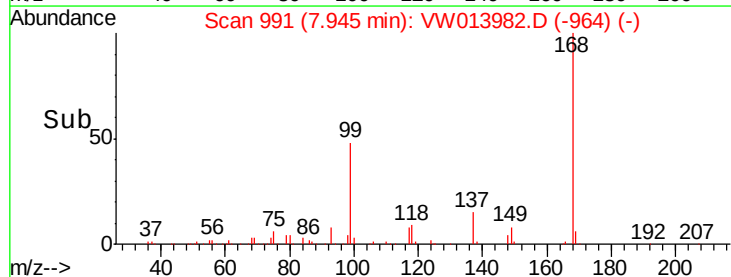
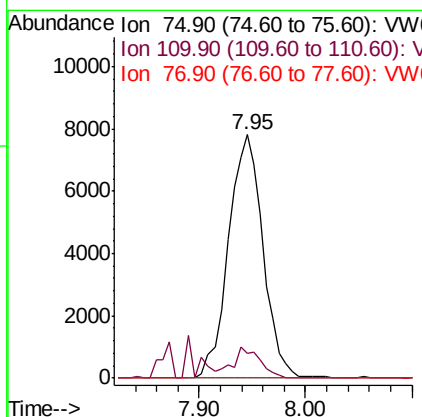
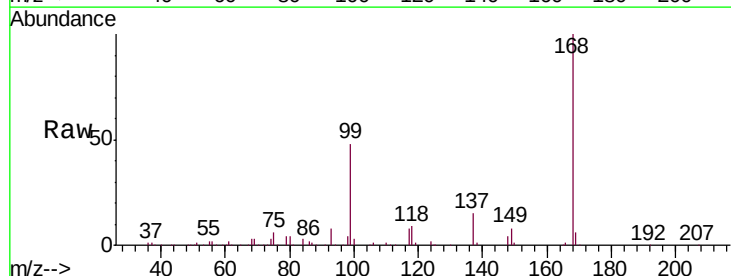
Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-VNJ-221

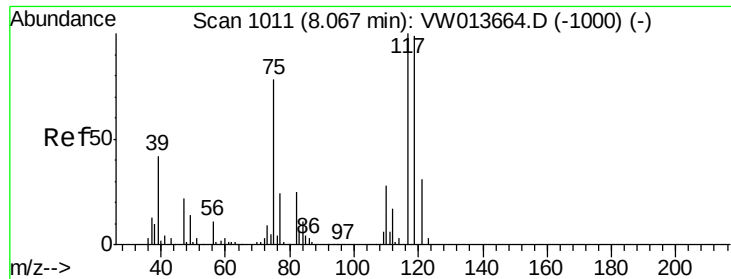
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.6
192	24.5	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013982.D
 Acq: 12 Nov 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.7	56.1#
77	0.0	25.4	38.0#

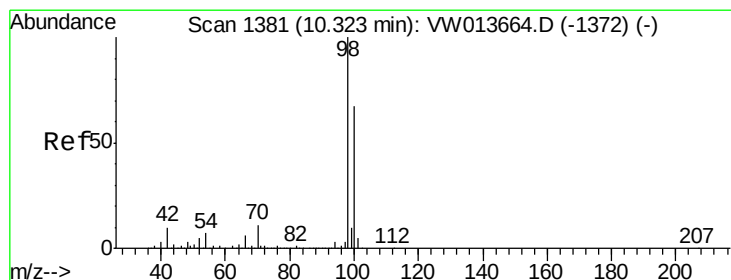
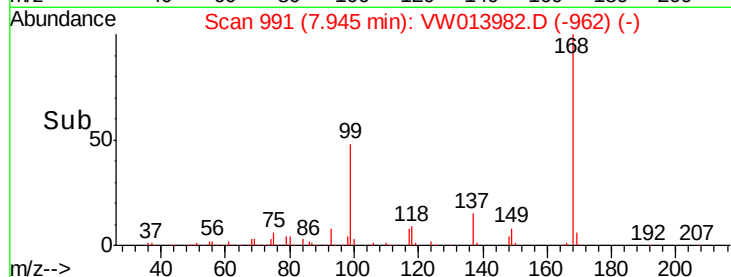
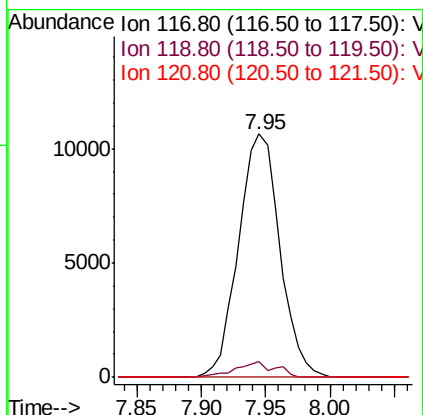
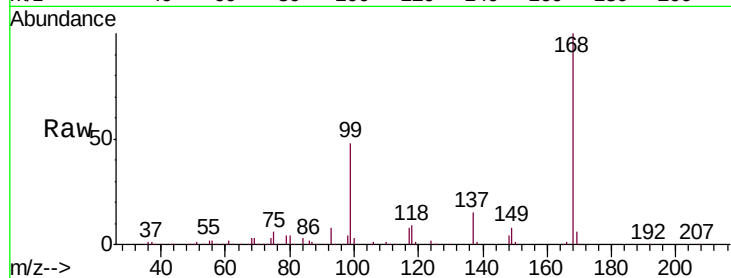




#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013982.D
Acq: 12 Nov 2019 18:14

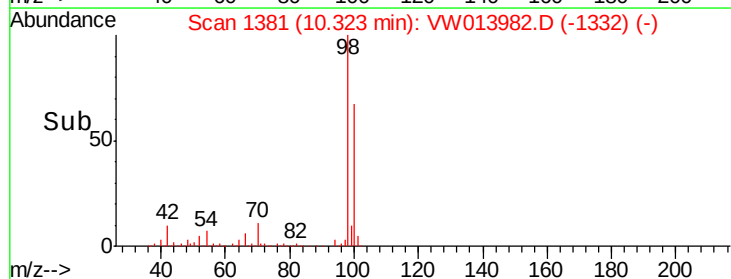
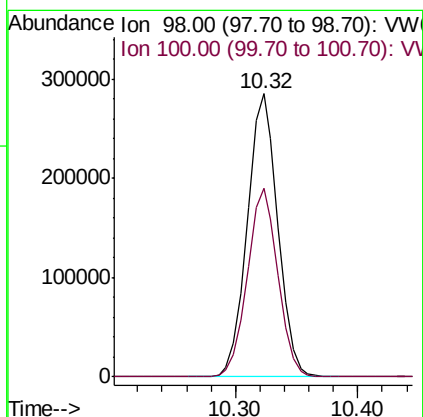
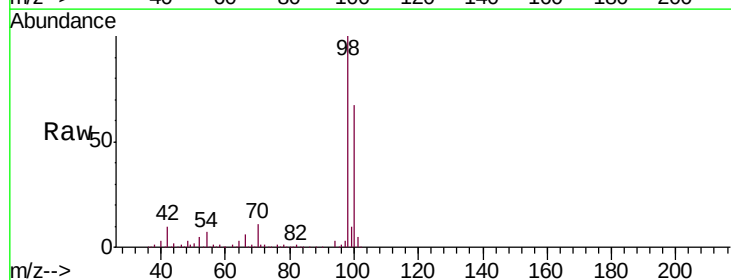
Instrument :
MSVOA_W
ClientSampleId :
72-12002-VNJ-221

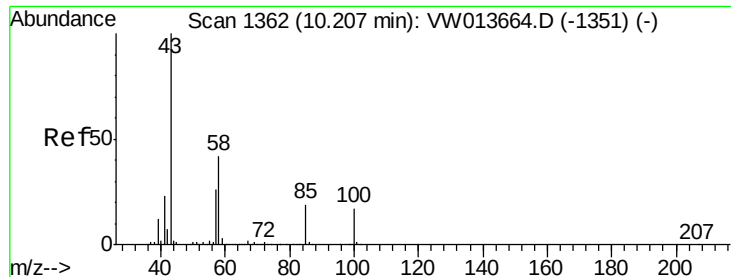
Tgt Ion: 117 Resp: 23623
Ion Ratio Lower Upper
117 100
119 6.5 79.0 118.4#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.701 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013982.D
Acq: 12 Nov 2019 18:14

Tgt Ion: 98 Resp: 494821
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

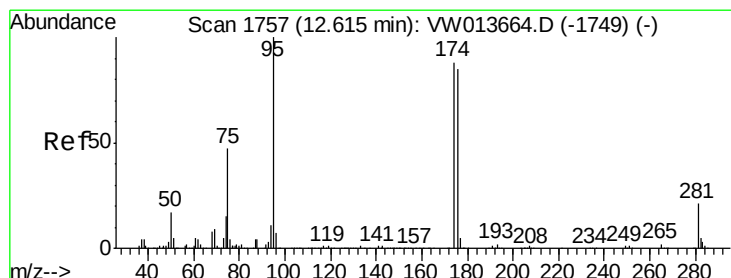
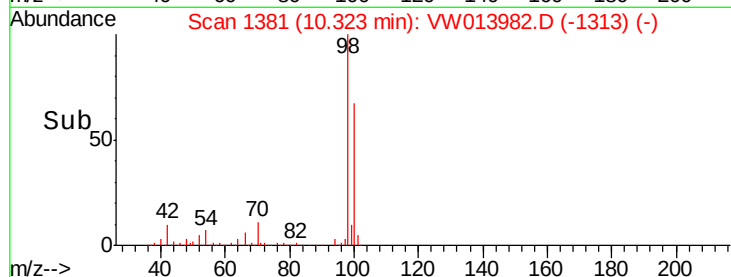
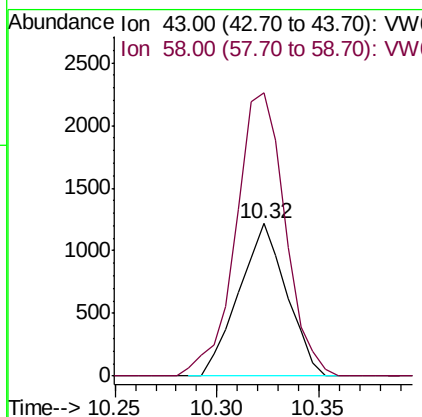
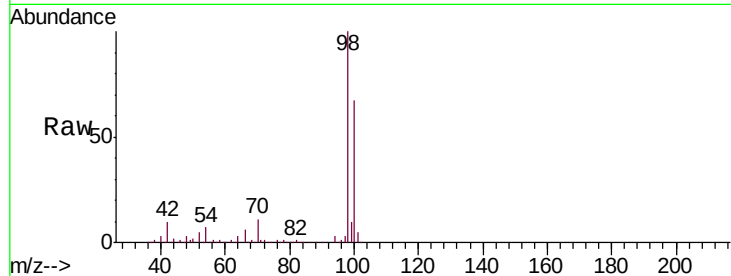




#51
 4-Methyl-2-Pentanone
 Concen: 1.358 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW013982.D
 Acq: 12 Nov 2019 18:14

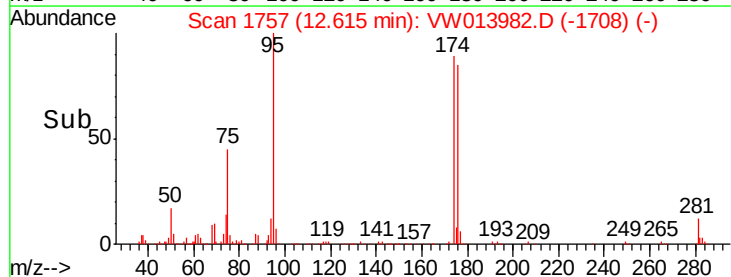
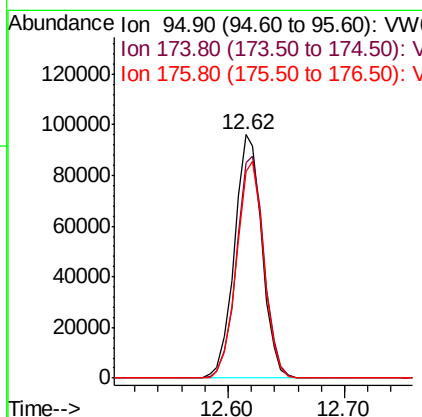
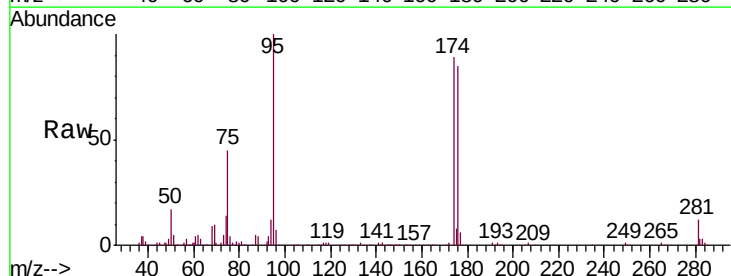
Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-VNJ-221

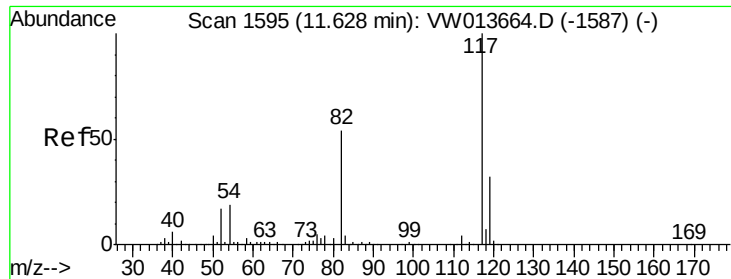
Tgt Ion: 43 Resp: 1985
 Ion Ratio Lower Upper
 43 100
 58 191.1 32.6 49.0#



#62
 4-Bromofluorobenzene
 Concen: 47.796 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013982.D
 Acq: 12 Nov 2019 18:14

Tgt Ion: 95 Resp: 157948
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 183.6
 176 88.2 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: VW013982.D

Acq: 12 Nov 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

72-12002-VNJ-221

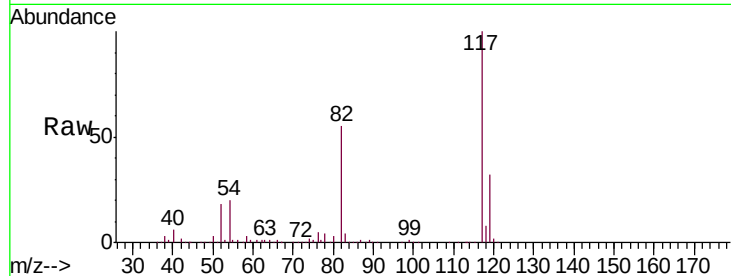
Tgt Ion:117 Resp: 362897

Ion Ratio Lower Upper

117 100

82 54.7 43.6 65.4

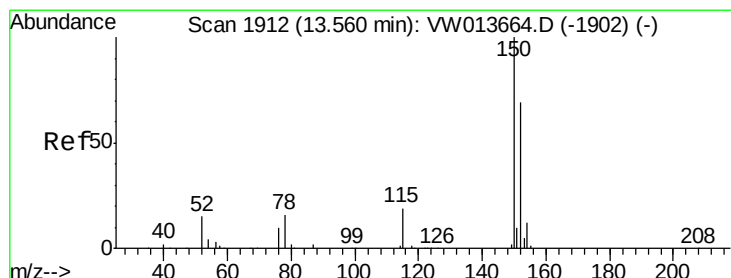
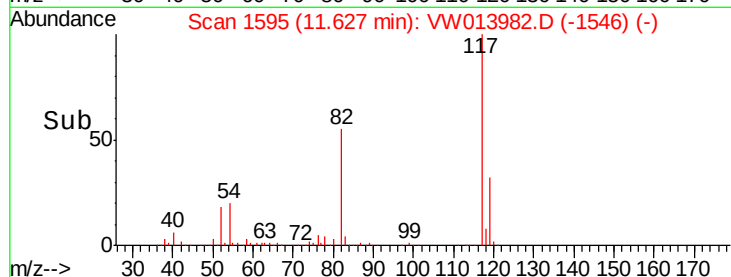
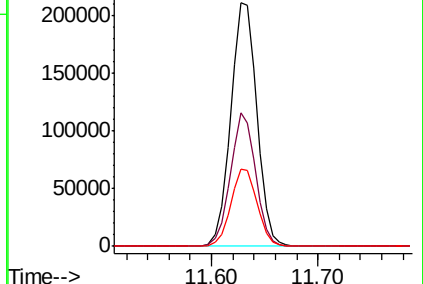
119 31.7 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013982.D

Acq: 12 Nov 2019 18:14

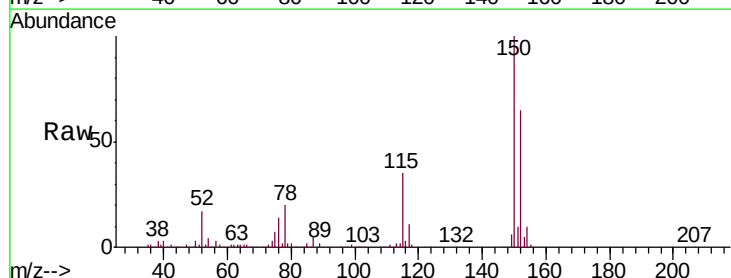
Tgt Ion:152 Resp: 158407

Ion Ratio Lower Upper

152 100

115 56.2 27.4 82.2

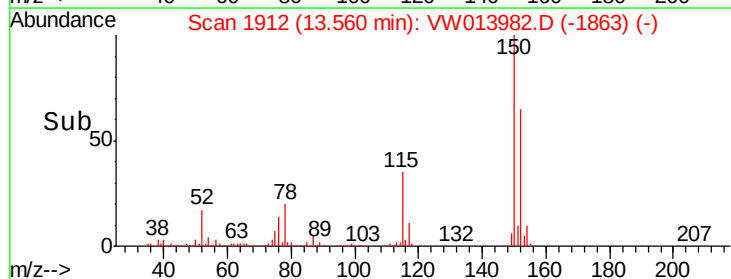
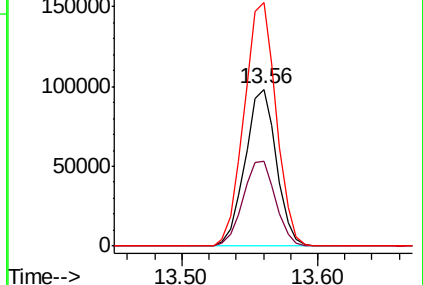
150 158.7 0.0 345.4

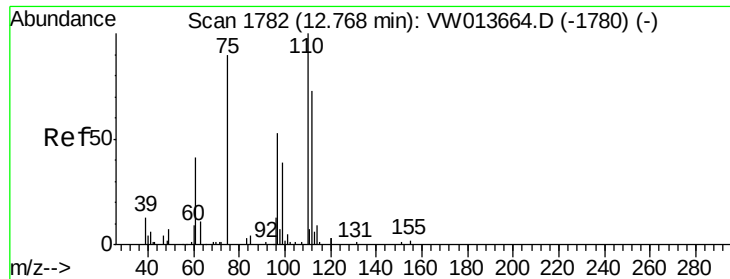


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 64.289 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013982.D

Acq: 12 Nov 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

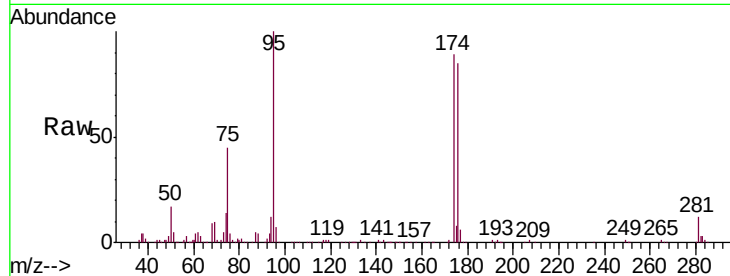
72-12002-VNJ-221

Tgt Ion: 75 Resp: 73134

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

12.62

40000

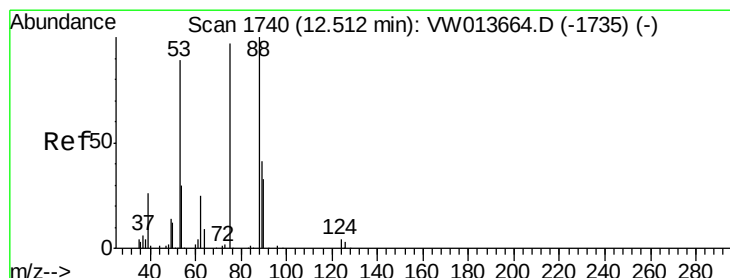
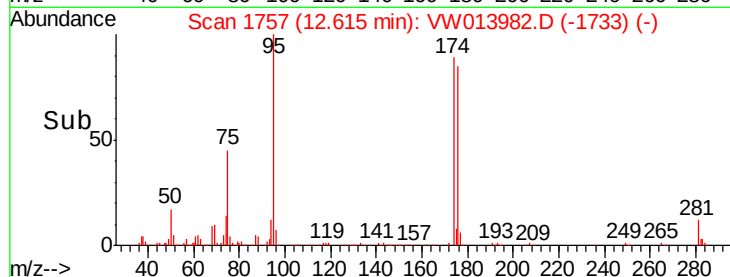
30000

20000

10000

0

Time--> 12.50 12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 121.497 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013982.D

Acq: 12 Nov 2019 18:14

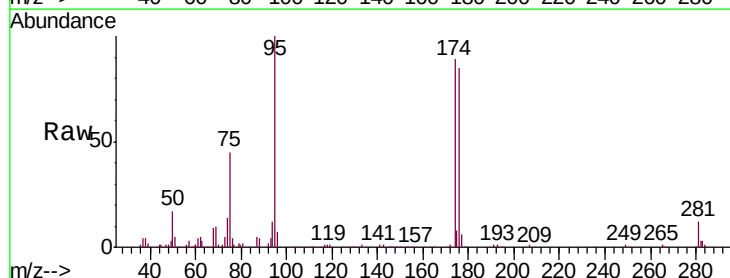
Tgt Ion: 75 Resp: 73134

Ion Ratio Lower Upper

75 100

53 0.1 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

12.62

60000

50000

40000

30000

20000

10000

0

Time--> 12.50 12.60 12.70

