

Data File : VW013983.D
Acq On : 12 Nov 2019 18:40
Operator : SY/VA
Sample : K5788-01
Misc : 6.28G/5.0ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-1

Quant Time: Nov 13 06:44:55 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	283839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125734	59.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.10%	
35) Dibromofluoromethane	7.88	113	130328	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.32	98	501048	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.62	95	138775	40.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.40%	

Target Compounds

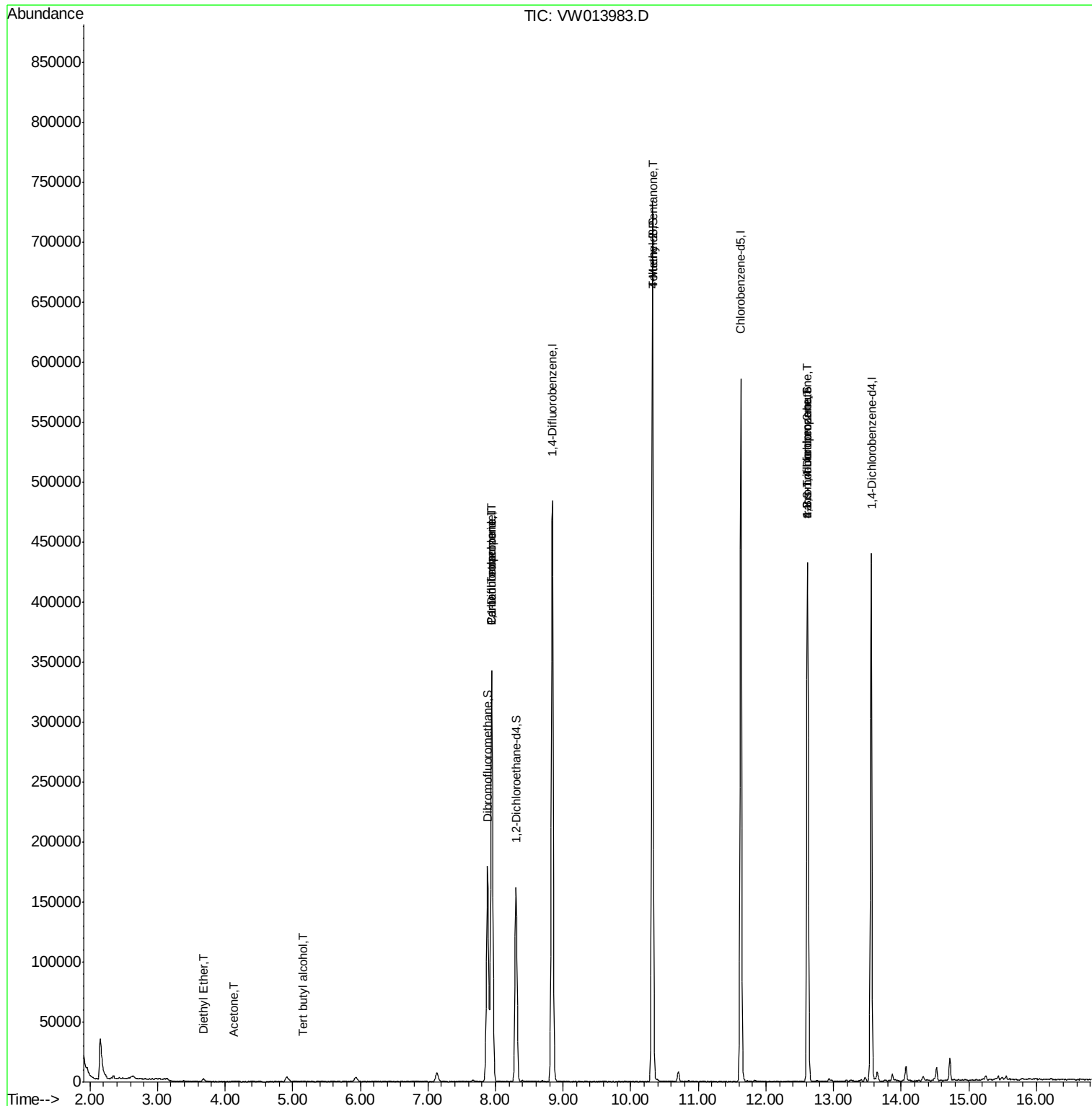
						Qvalue
8) Diethyl Ether	3.68	74	1349	1.101	ug/l	100
11) Tert butyl alcohol	5.15	59	642	5.051	ug/l #	71
16) Acetone	4.12	43	1006	2.228	ug/l #	78
20) Methylene Chloride	4.92	84	3128	Below Cal	#	75
36) 1,1-Dichloropropene	7.95	75	17813	4.300	ug/l #	48
38) Carbon Tetrachloride	7.95	117	24363	6.532	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2213	1.467	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65663	70.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65663	134.126	ug/l #	14

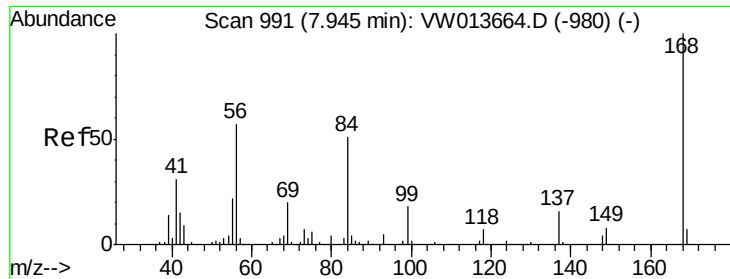
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013983.D

Acq: 12 Nov 2019 18:40

Instrument :

MSVOA_W

ClientSampled :

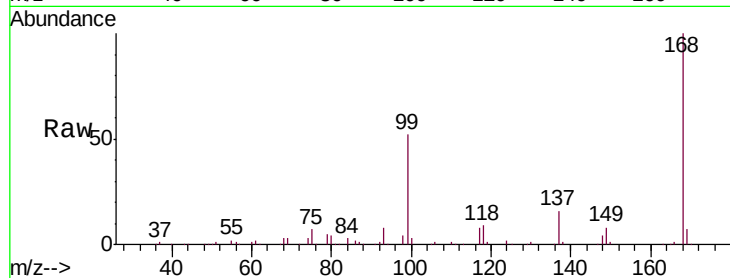
B-1

Tgt Ion: 168 Resp: 283839

Ion Ratio Lower Upper

168 100

99 51.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW013664.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW013664.D (-980) (-)

7.95

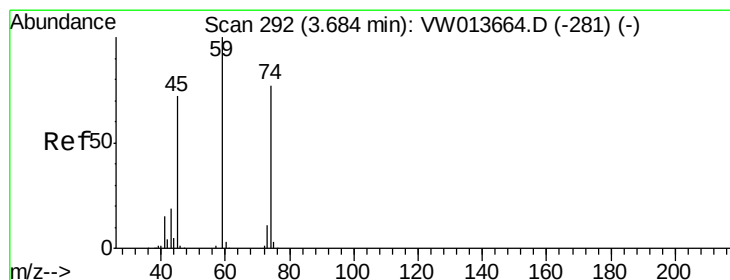
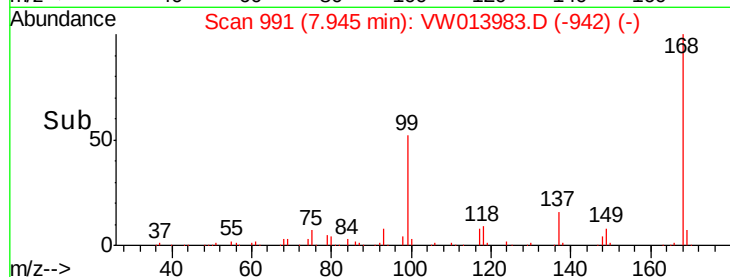
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.101 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW013983.D

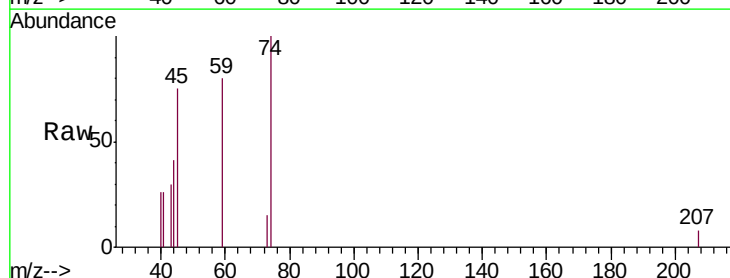
Acq: 12 Nov 2019 18:40

Tgt Ion: 74 Resp: 1349

Ion Ratio Lower Upper

74 100

45 95.6 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VW013664.D (-281) (-)

Ion 45.00 (44.70 to 45.70): VW013664.D (-281) (-)

3.68

800

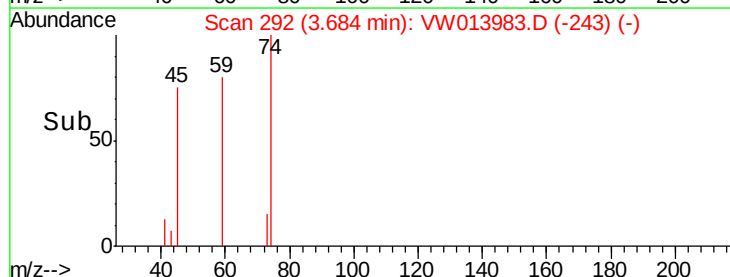
600

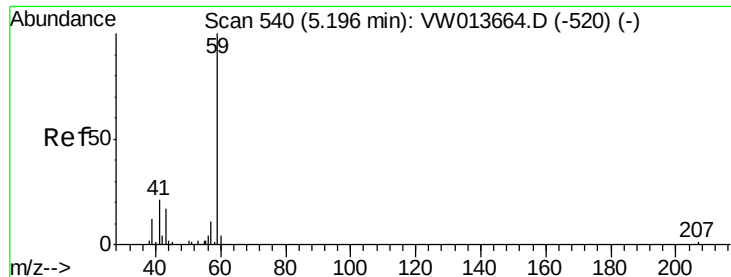
400

200

0

Time-->

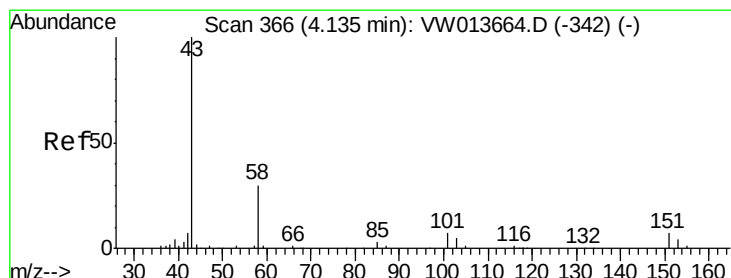
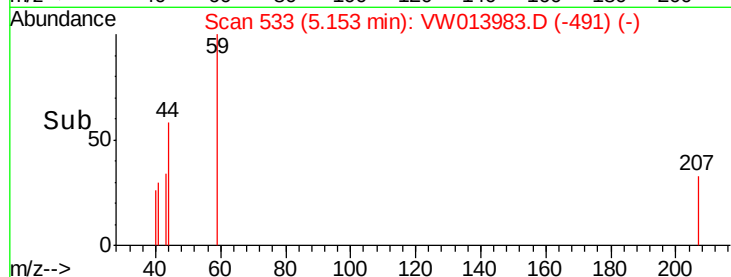
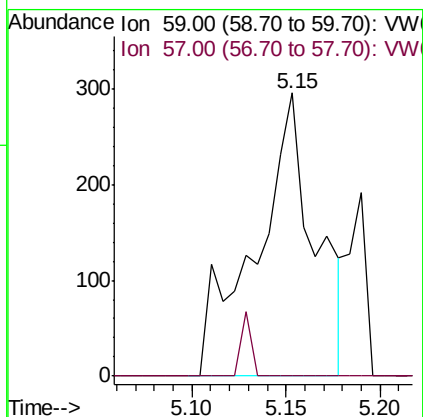
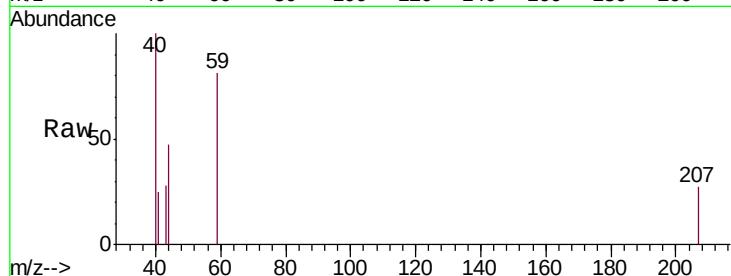




#11
Tert butyl alcohol
Concen: 5.051 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.04 min
Lab File: VW013983.D
Acq: 12 Nov 2019 18:40

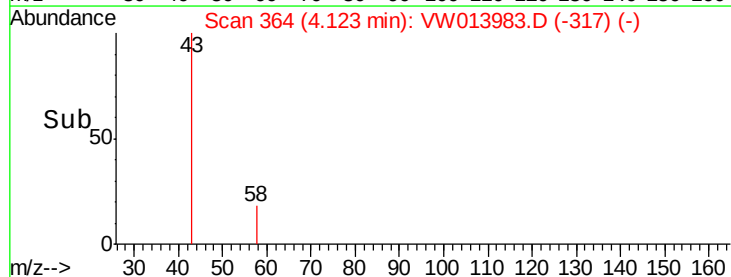
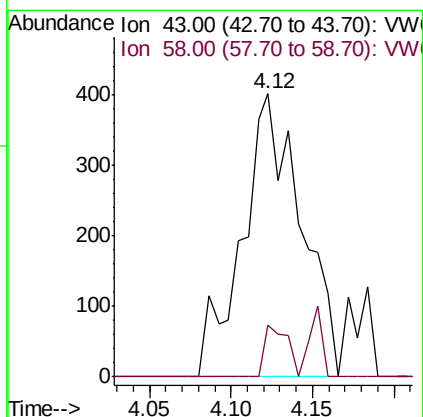
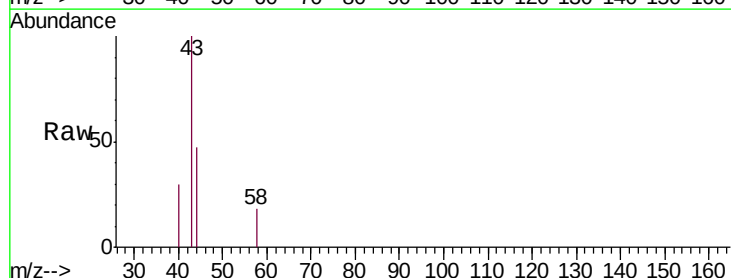
Instrument :
MSVOA_W
ClientSampled :
B-1

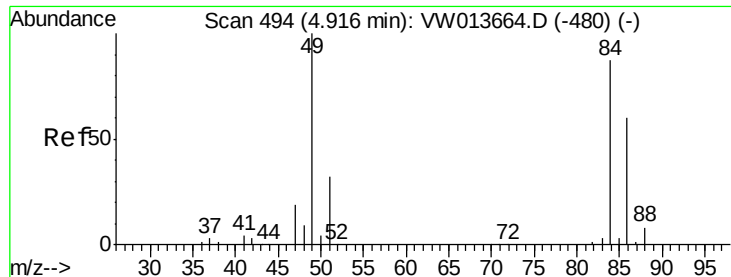
Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 2.228 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW013983.D
Acq: 12 Nov 2019 18:40

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 18.4 24.1 36.1#

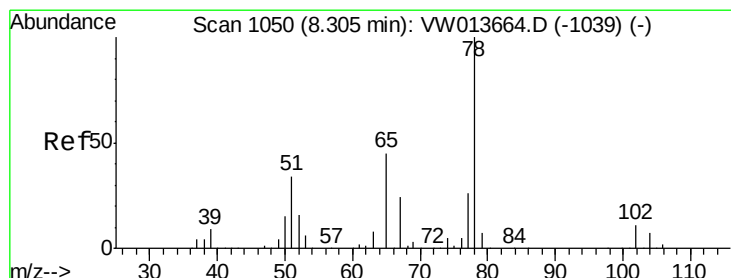
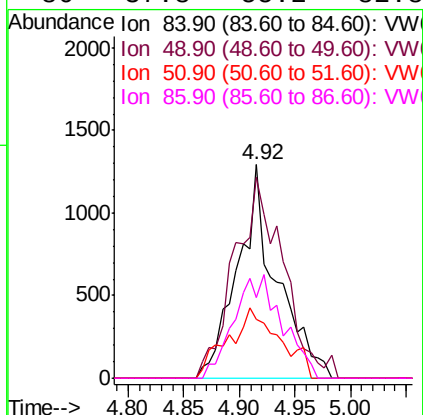
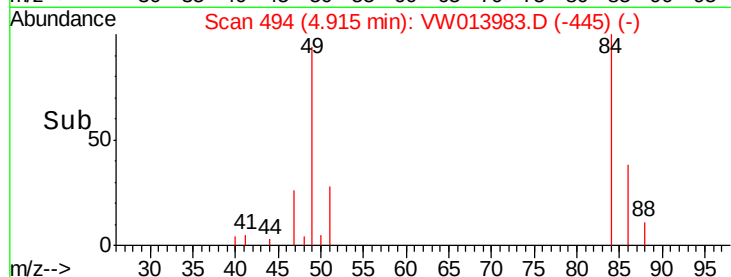
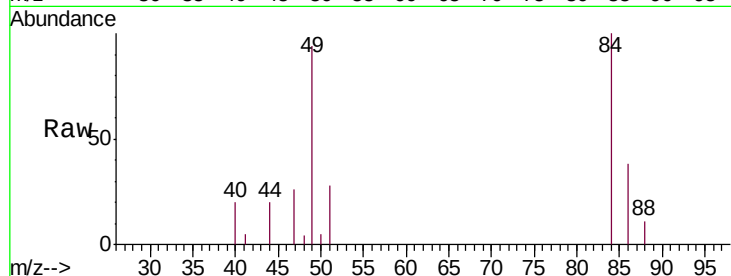




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013983.D
Acq: 12 Nov 2019 18:40

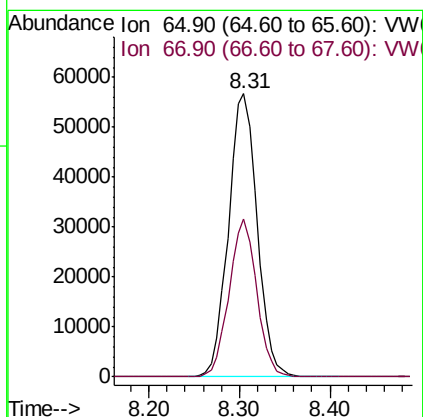
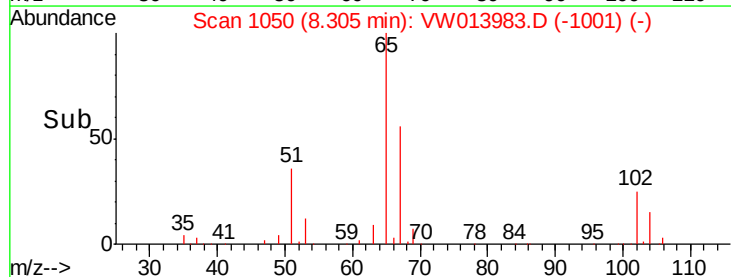
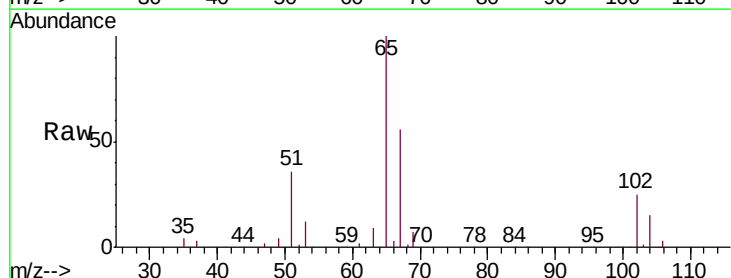
Instrument :
MSVOA_W
ClientSampleId :
B-1

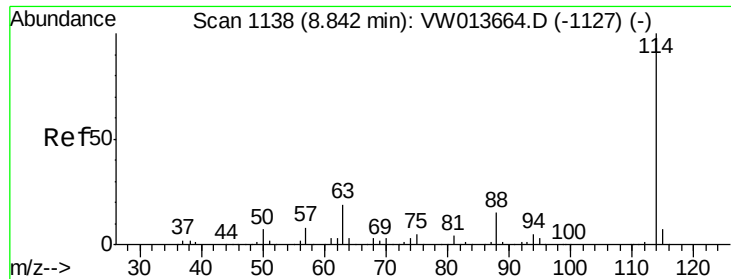
Tgt Ion: 84 Resp: 3128
Ion Ratio Lower Upper
84 100
49 93.8 91.8 137.6
51 27.7 29.8 44.6#
86 37.8 55.2 82.8#



#33
1,2-Dichloroethane-d4
Concen: 59.051 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013983.D
Acq: 12 Nov 2019 18:40

Tgt Ion: 65 Resp: 125734
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.4

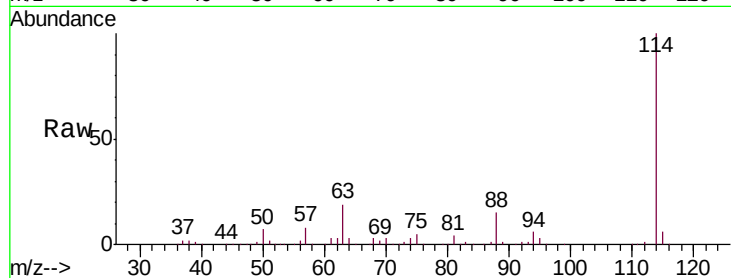




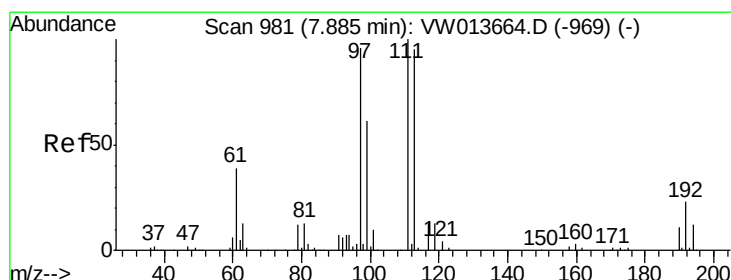
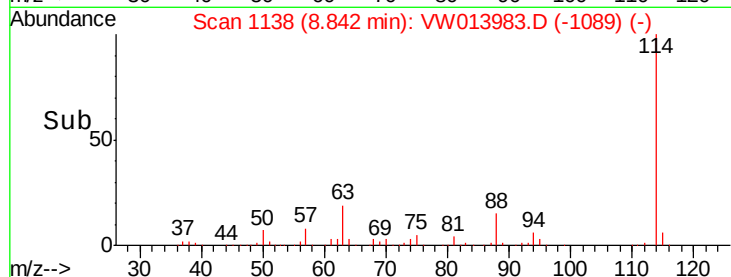
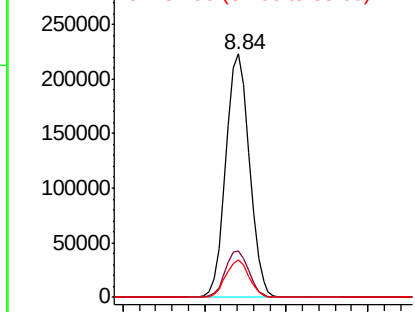
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013983.D
Acq: 12 Nov 2019 18:40

Instrument :
MSVOA_W
ClientSampleId :
B-1

Tgt Ion:114 Resp: 444768
Ion Ratio Lower Upper
114 100
63 19.2 0.0 37.6
88 15.2 0.0 30.2

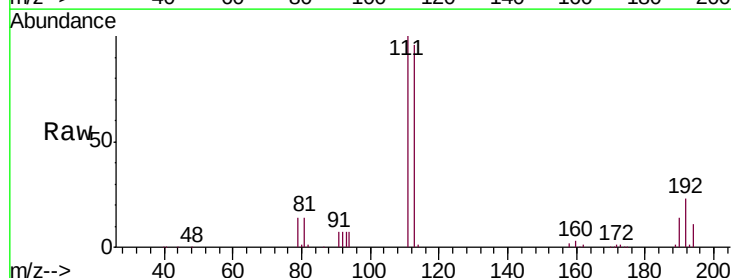


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

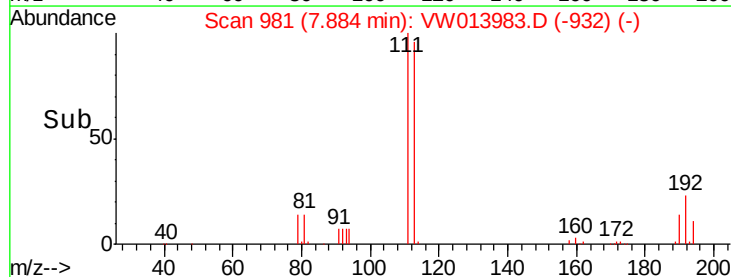
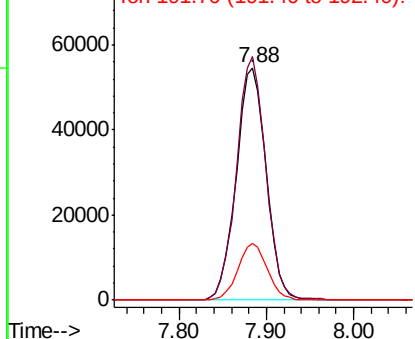


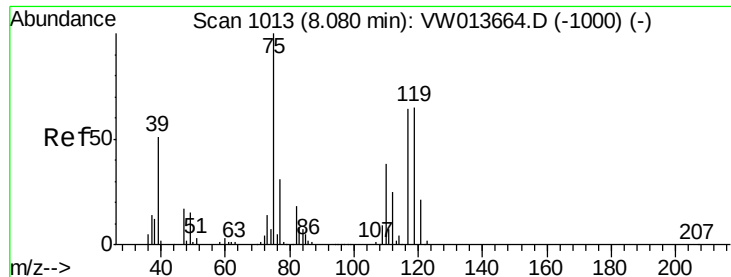
#35
Dibromofluoromethane
Concen: 52.735 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013983.D
Acq: 12 Nov 2019 18:40

Tgt Ion:113 Resp: 130328
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.6
192 24.0 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: 4.300 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013983.D

Acq: 12 Nov 2019 18:40

Instrument :

MSVOA_W

ClientSampled :

B-1

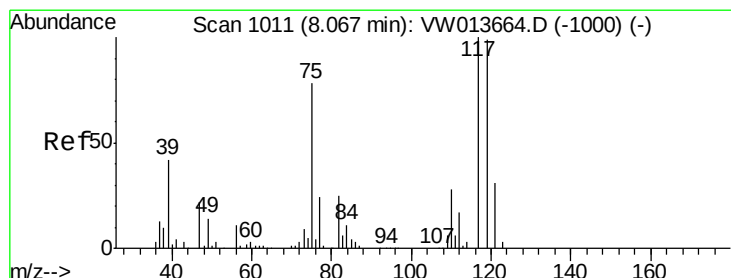
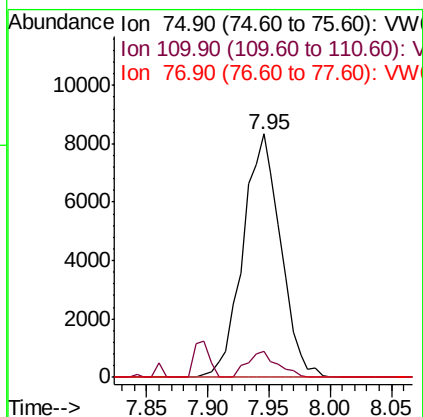
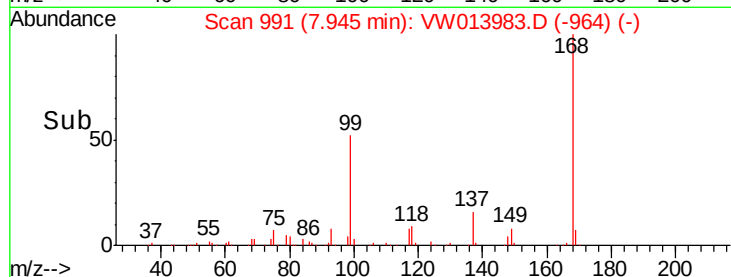
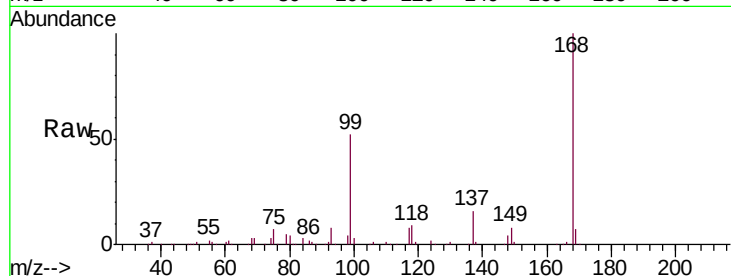
Tgt Ion: 75 Resp: 17813

Ion Ratio Lower Upper

75 100

110 8.7 18.7 56.1#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.532 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013983.D

Acq: 12 Nov 2019 18:40

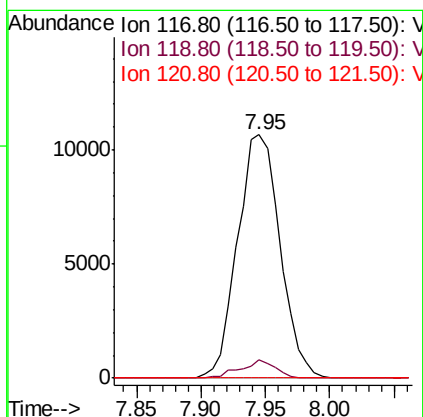
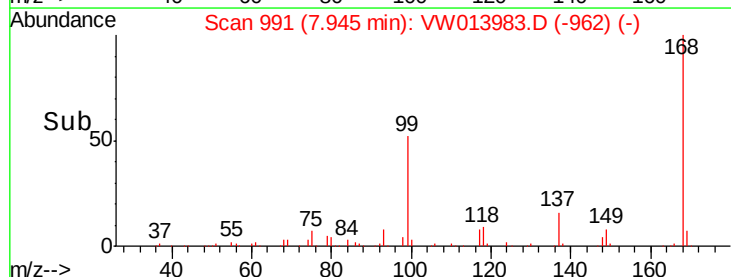
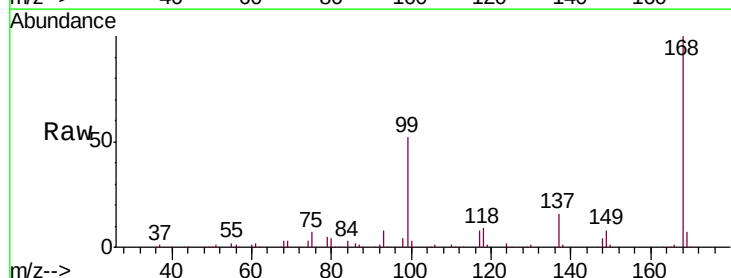
Tgt Ion: 117 Resp: 24363

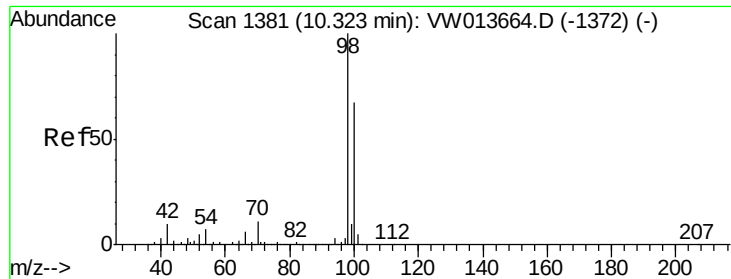
Ion Ratio Lower Upper

117 100

119 7.3 79.0 118.4#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.755 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013983.D

Acq: 12 Nov 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

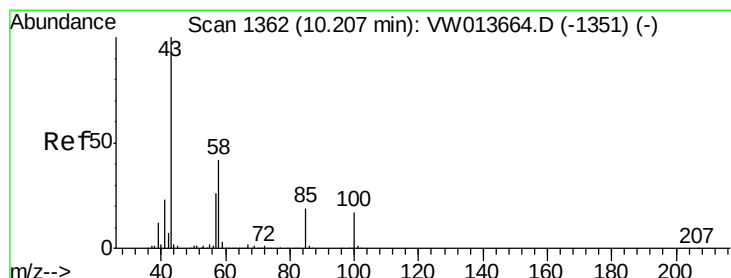
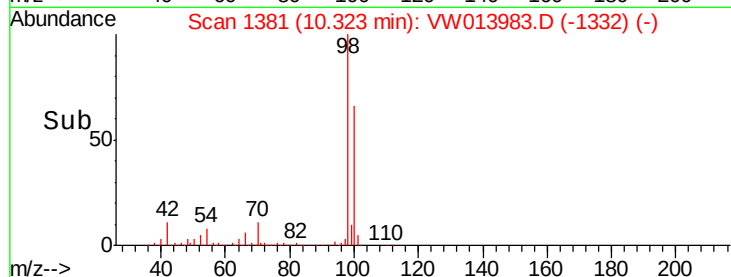
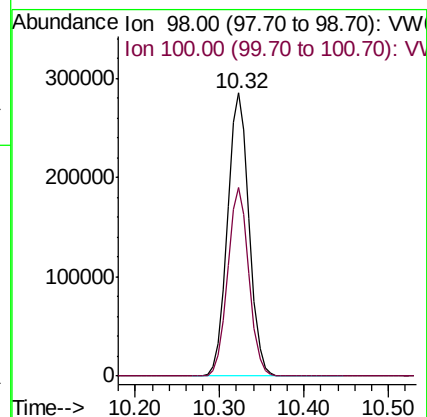
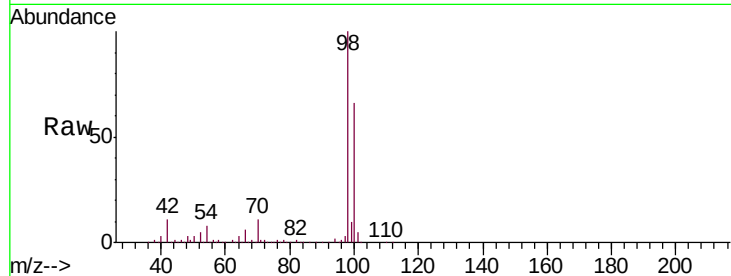
B-1

Tgt Ion: 98 Resp: 501048

Ion Ratio Lower Upper

98 100

100 65.4 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.467 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013983.D

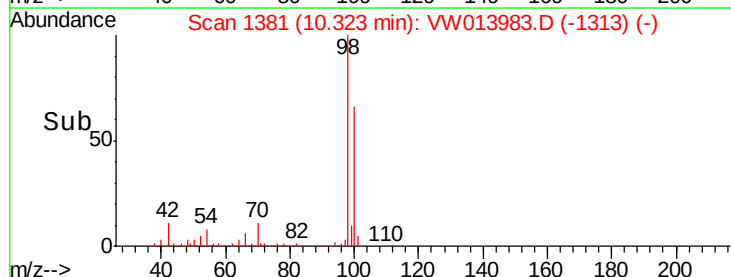
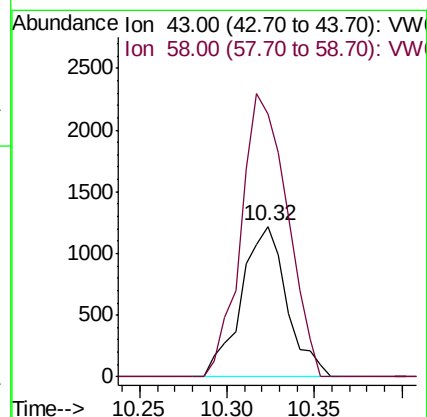
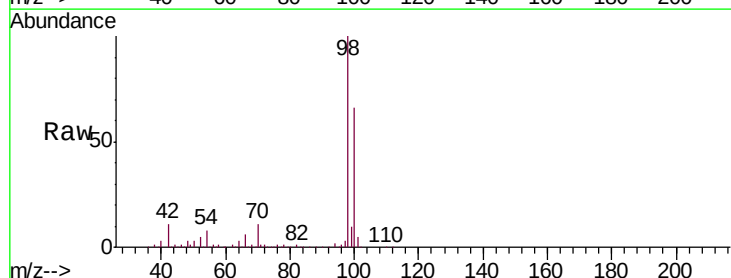
Acq: 12 Nov 2019 18:40

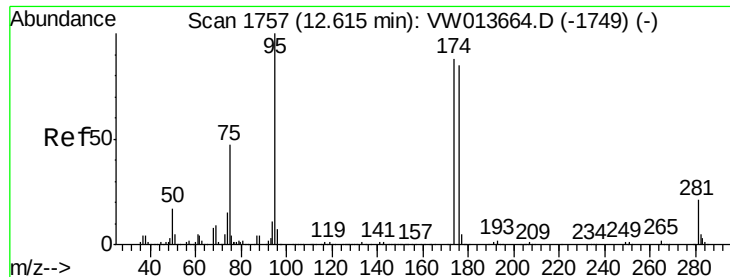
Tgt Ion: 43 Resp: 2213

Ion Ratio Lower Upper

43 100

58 190.8 32.6 49.0#





#62

4-Bromofluorobenzene

Concen: 40.699 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013983.D

Acq: 12 Nov 2019 18:40

Instrument :

MSVOA_W

ClientSampled :

B-1

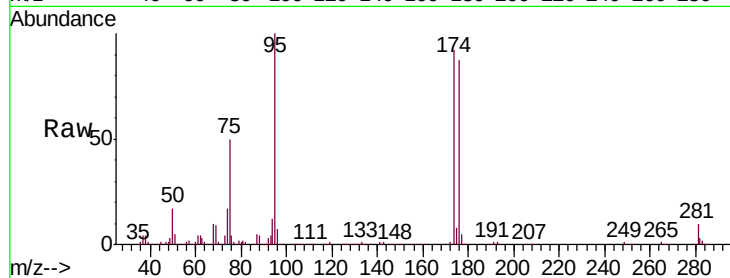
Tgt Ion: 95 Resp: 138775

Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.6

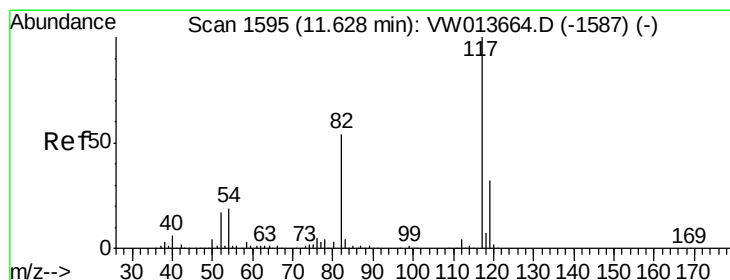
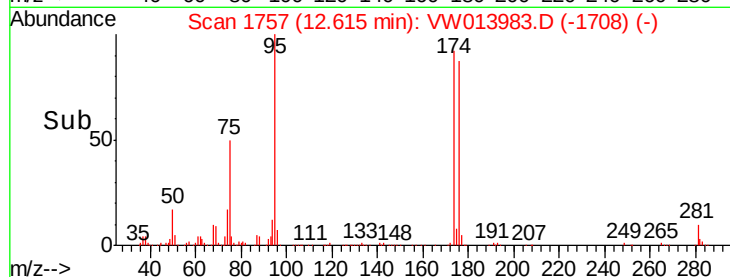
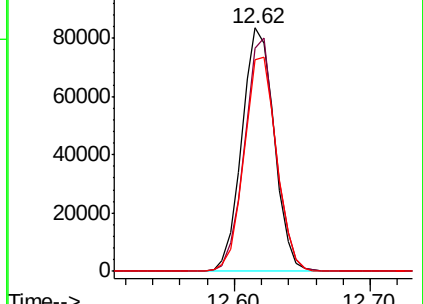
176 88.7 0.0 178.0



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. 0.01 min

Lab File: VW013983.D

Acq: 12 Nov 2019 18:40

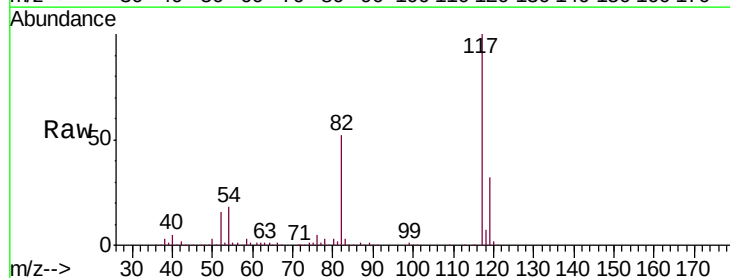
Tgt Ion: 117 Resp: 352885

Ion Ratio Lower Upper

117 100

82 52.0 43.6 65.4

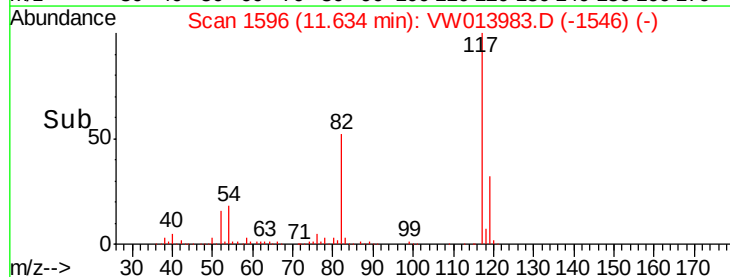
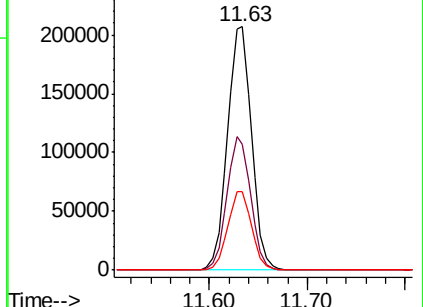
119 32.3 25.4 38.2

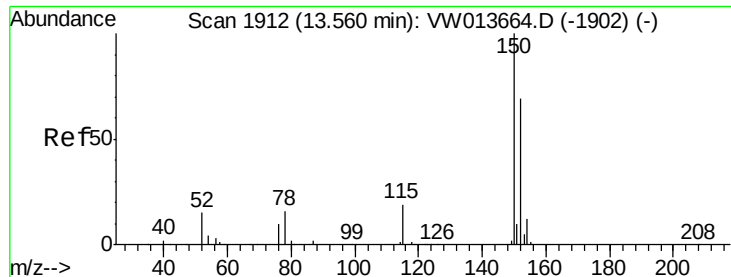


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW013983.D

Acq: 12 Nov 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

B-1

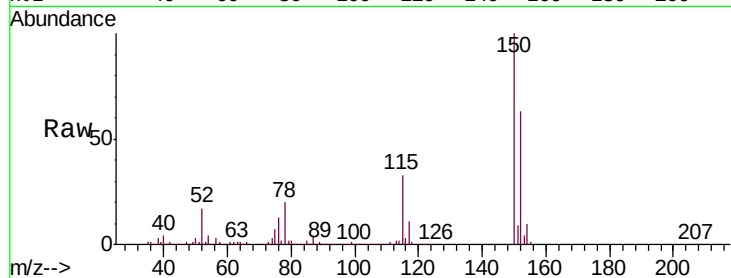
Tgt Ion:152 Resp: 128833

Ion Ratio Lower Upper

152 100

115 53.2 27.4 82.2

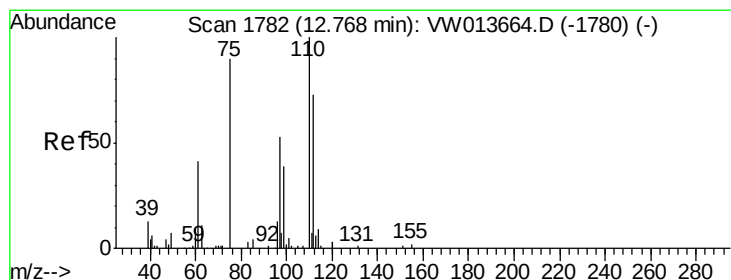
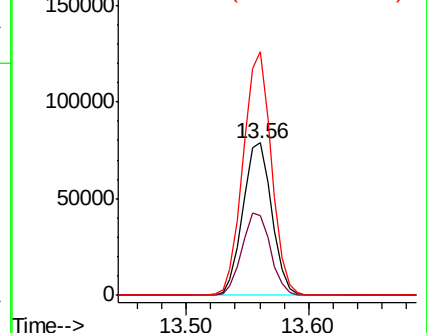
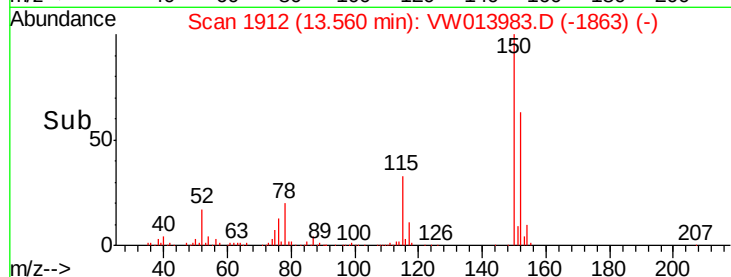
150 155.6 0.0 345.4



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: 70.972 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013983.D

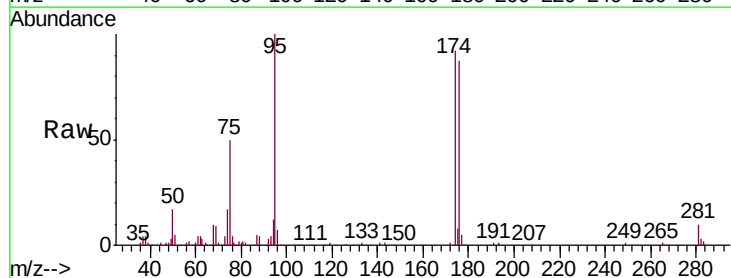
Acq: 12 Nov 2019 18:40

Tgt Ion: 75 Resp: 65663

Ion Ratio Lower Upper

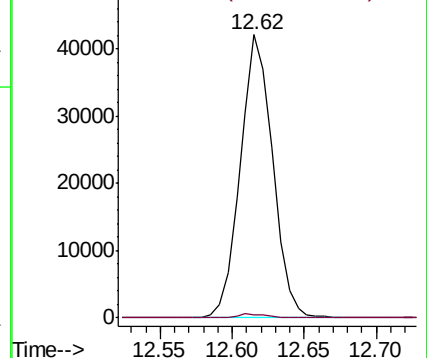
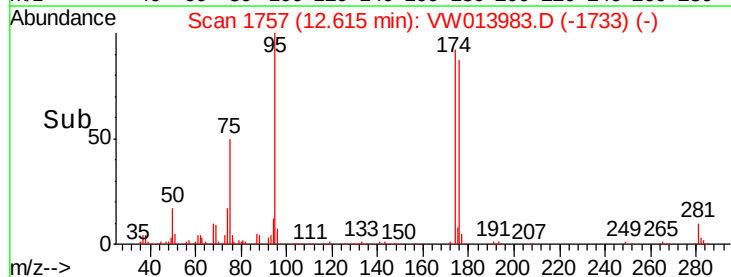
75 100

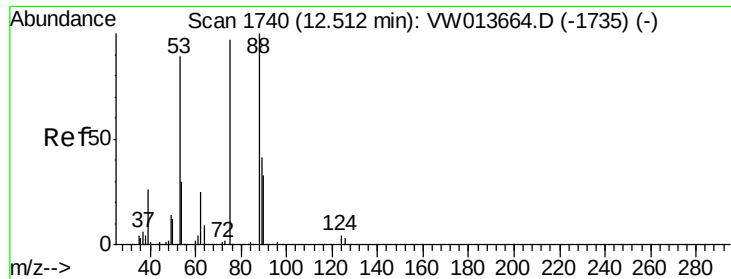
77 1.4 0.0 0.0#



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: 134.126 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013983.D

Acq: 12 Nov 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

B-1

Tgt Ion: 75 Resp: 65663

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.1 35.8 53.8#

