

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008070.D
 Acq On : 07 Jan 2019 15:29
 Operator : SY/AP
 Sample : K1066-01RE
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TN-1419

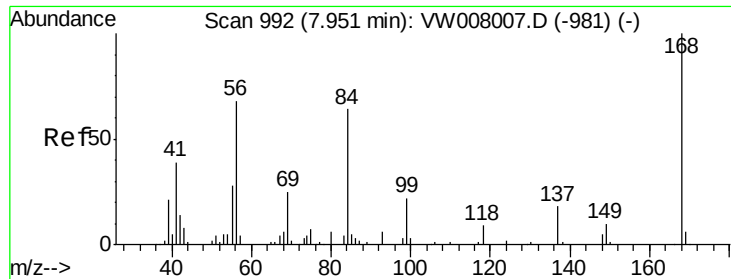
Quant Time: Jan 08 03:44:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	116225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	90248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36850	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	41610	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
35) Dibromofluoromethane	7.88	113	35618	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.32	98	135679	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.62	95	41802	39.66	ug/l	0.00
Spiked Amount			Recovery	=	79.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	3215	26.845	ug/l	96
20) Methylene Chloride	4.91	84	4172	3.435	ug/l	95
31) Cyclohexane	7.95	56	1491	1.261	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	5313	4.634	ug/l #	48
38) Carbon Tetrachloride	7.95	117	7649	5.567	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	673	2.113	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	23659	80.703	ug/l #	1
77) Bromobenzene	12.93	156	1755	2.787	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23659	190.851	ug/l #	6

(#) = 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. -0.01 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

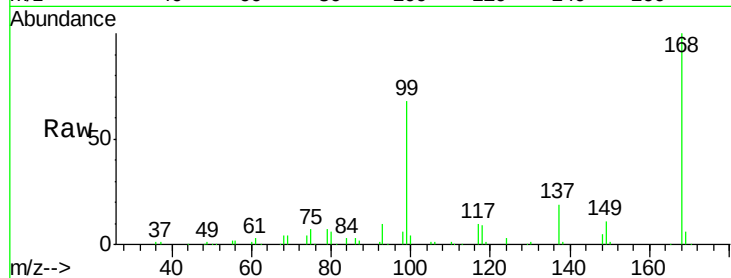
TN-1419

Tot Ion:168 Resp: 69950

Ion Ratio Lower Upper

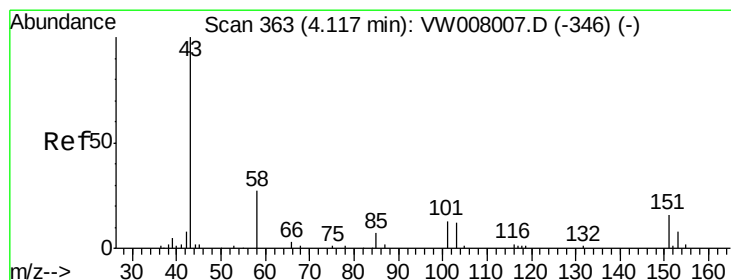
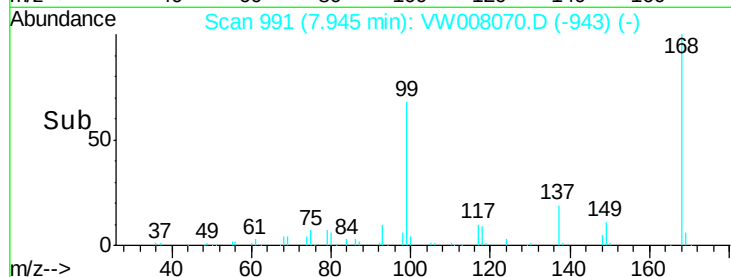
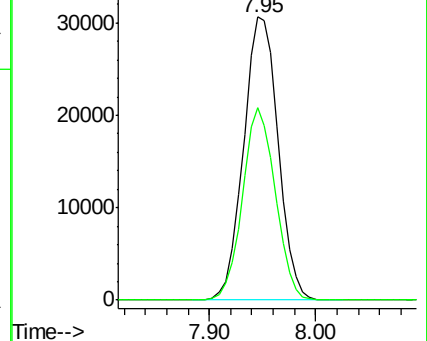
168 100

99 67.8 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 26.845 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008070.D

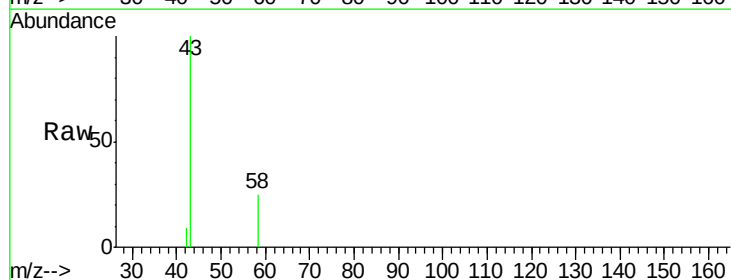
Acq: 07 Jan 2019 15:29

Tgt Ion: 43 Resp: 3215

Ion Ratio Lower Upper

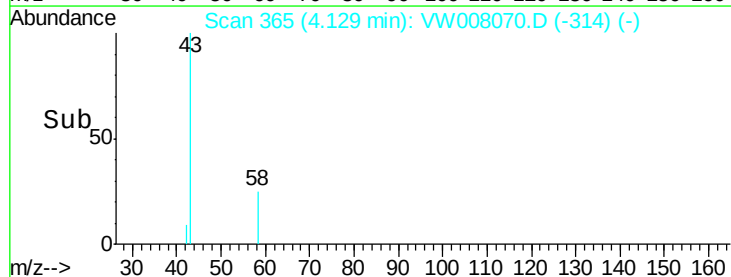
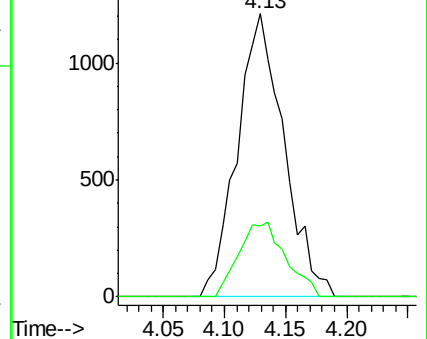
43 100

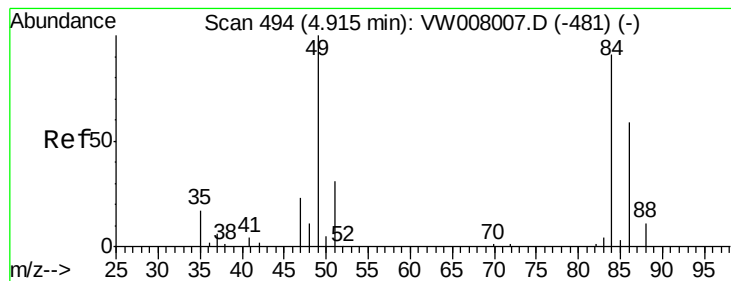
58 25.1 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 3.435 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampled :

TN-1419

Tot Ion: 84 Resp: 4172

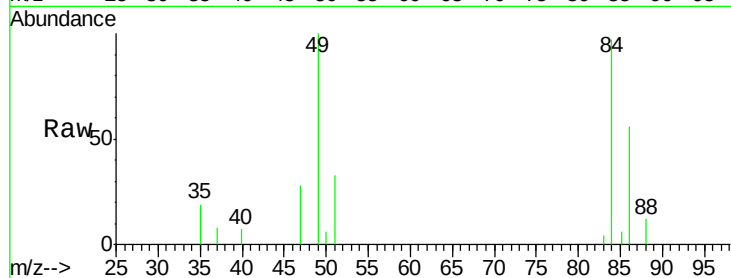
Ion Ratio Lower Upper

84 100

49 103.5 87.7 131.5

51 33.8 27.3 40.9

86 58.5 51.4 77.0

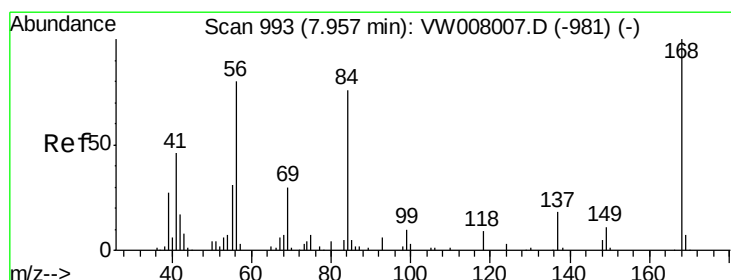
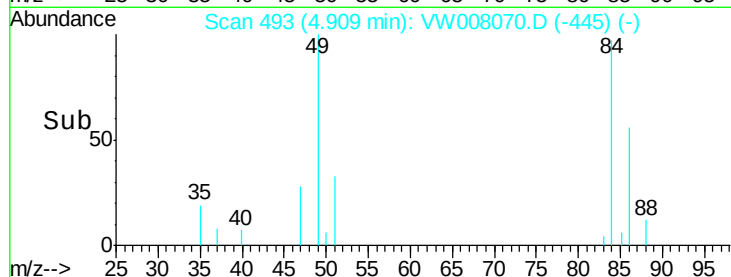
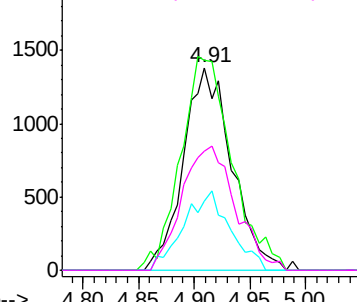


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

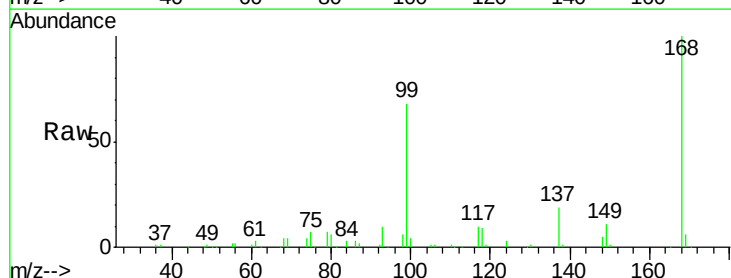
Tgt Ion: 56 Resp: 1491

Ion Ratio Lower Upper

56 100

69 150.8 29.8 44.6#

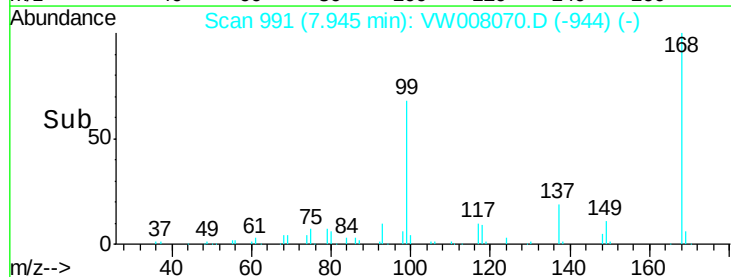
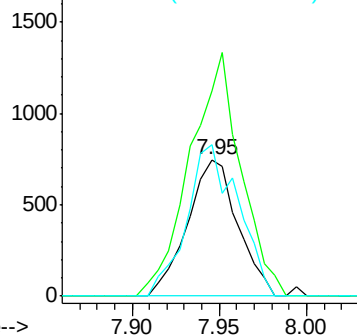
84 110.7 75.2 112.8

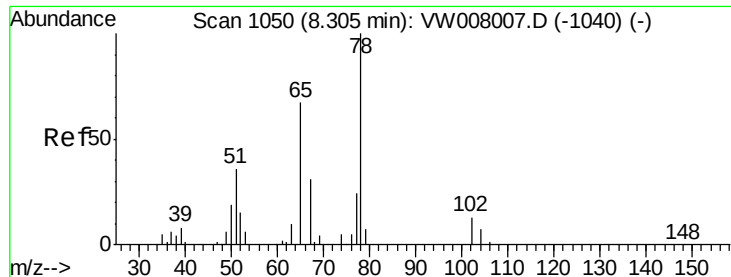


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

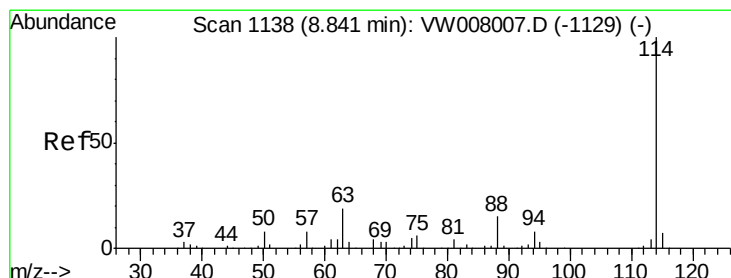
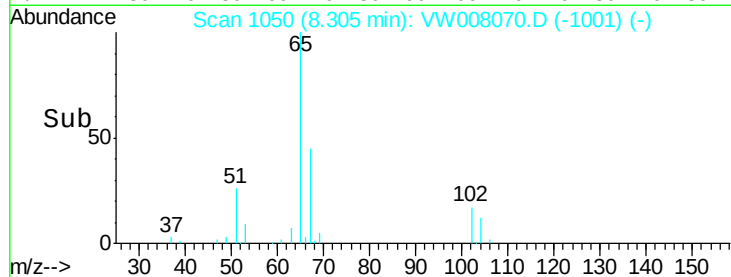
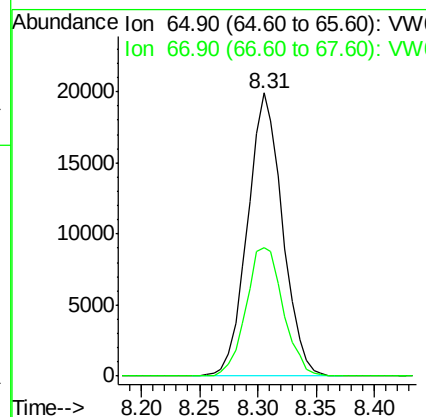
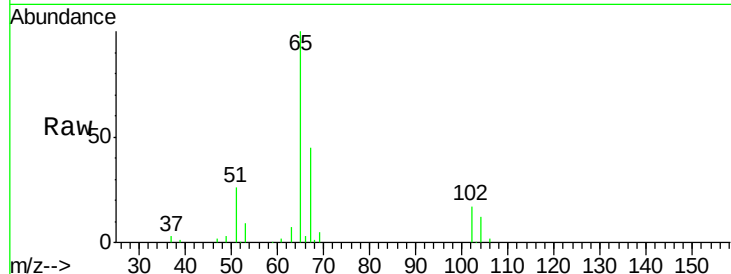




#33
 1,2-Dichloroethane-d4
 Concen: 53.781 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008070.D
 Acq: 07 Jan 2019 15:29

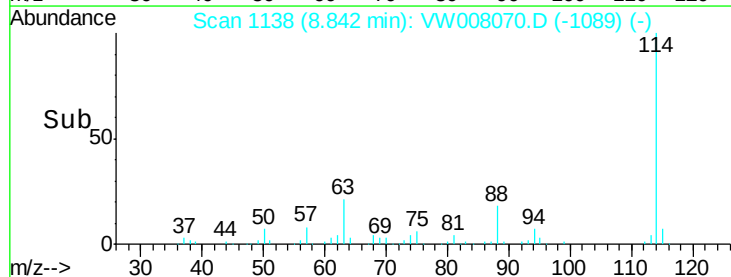
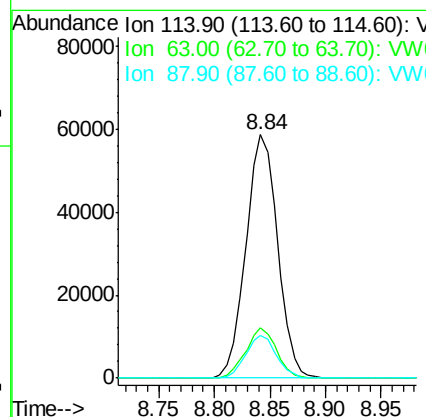
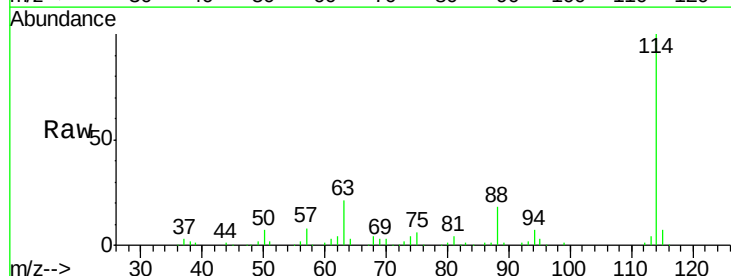
Instrument :
 MSVOA_W
 ClientSampleId :
 TN-1419

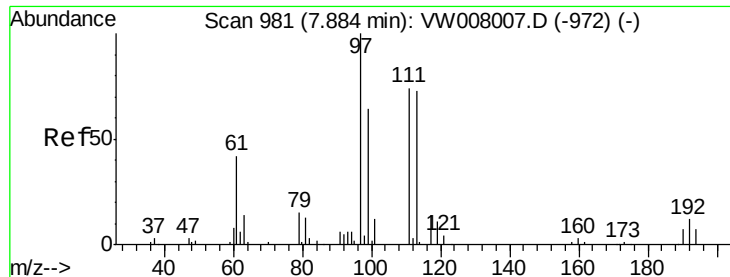
Tot Ion: 65 Resp: 41610
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008070.D
 Acq: 07 Jan 2019 15:29

Tgt Ion: 114 Resp: 116225
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.8
 88 17.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.613 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

TN-1419

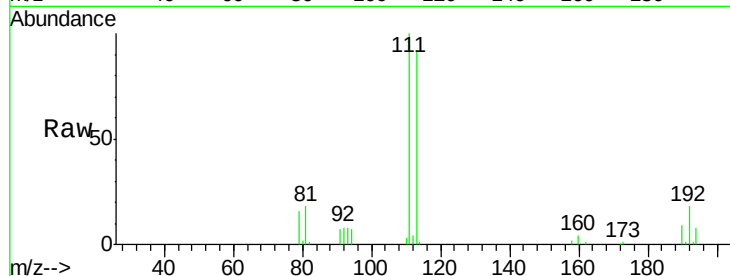
Tot Ion:113 Resp: 35618

Ion Ratio Lower Upper

113 100

111 104.5 81.4 122.0

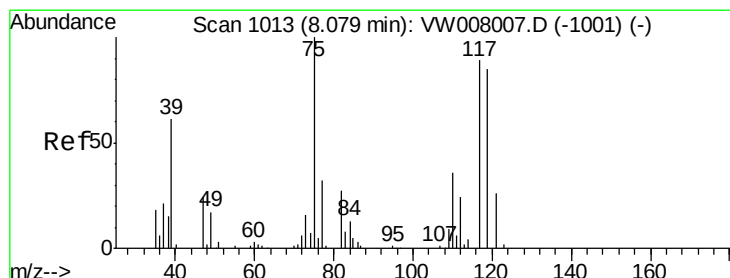
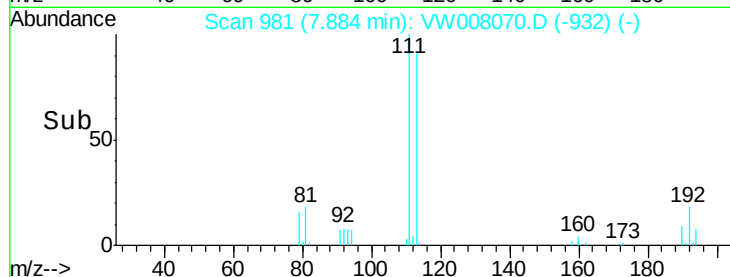
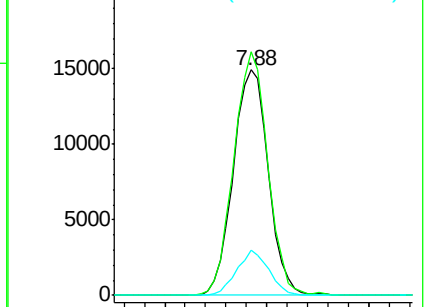
192 18.3 14.8 22.2



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: 4.634 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

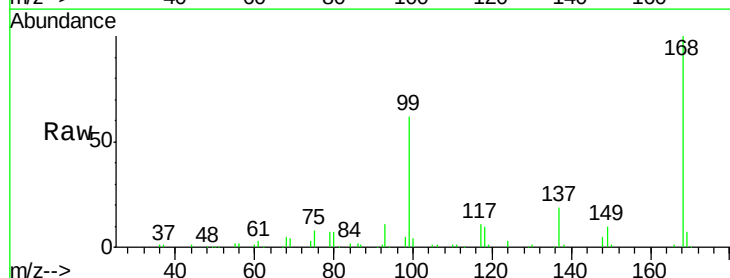
Tgt Ion: 75 Resp: 5313

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

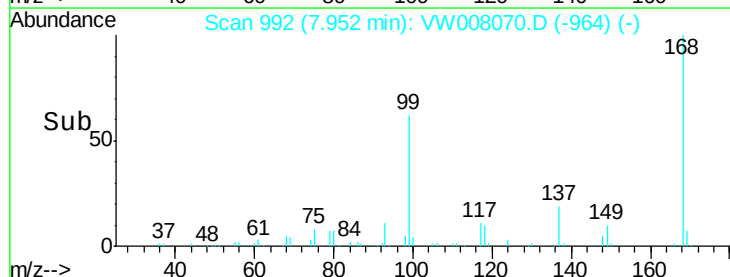
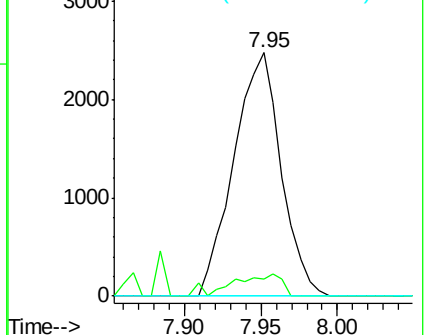
77 0.0 25.3 37.9#

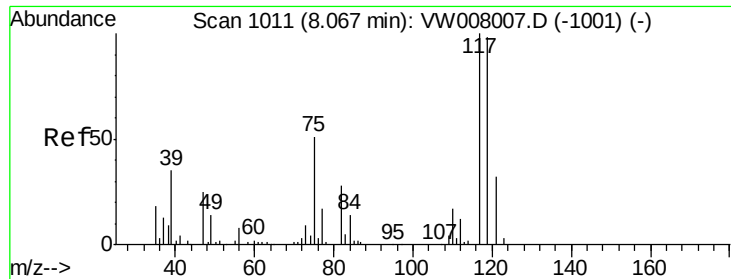


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.567 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

TN-1419

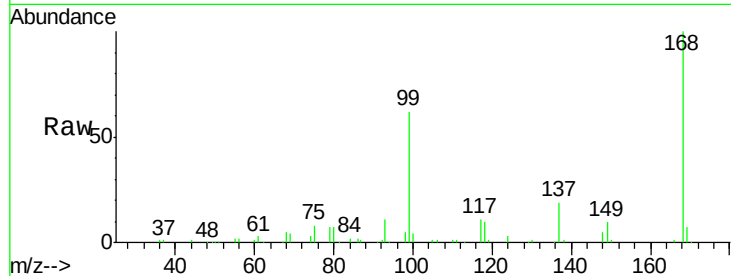
Tot Ion:117 Resp: 7649

Ion Ratio Lower Upper

117 100

119 7.8 78.7 118.1#

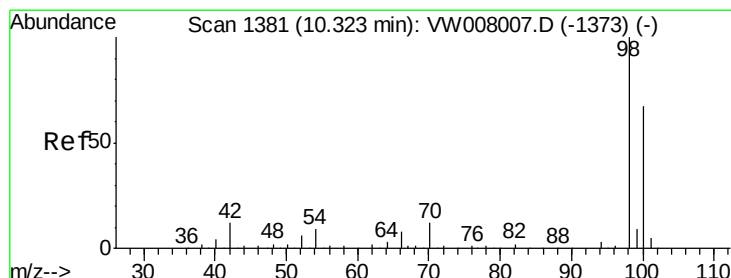
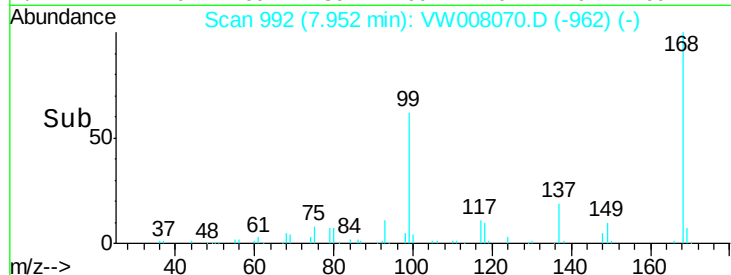
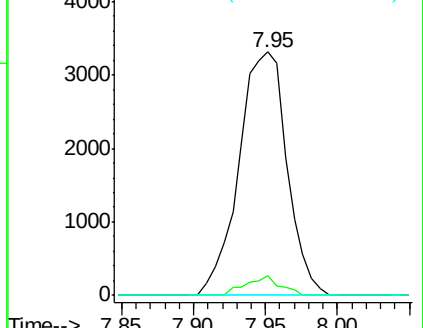
121 0.0 25.8 38.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.365 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008070.D

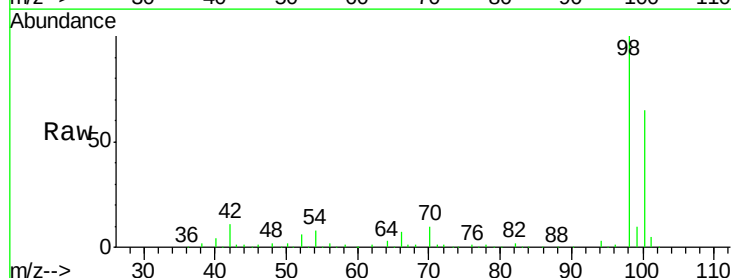
Acq: 07 Jan 2019 15:29

Tgt Ion: 98 Resp: 135679

Ion Ratio Lower Upper

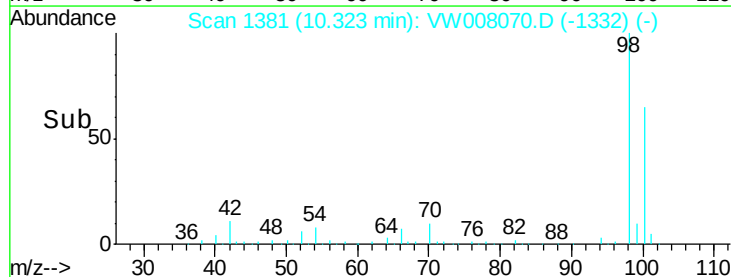
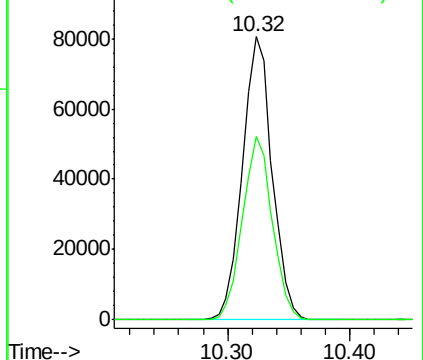
98 100

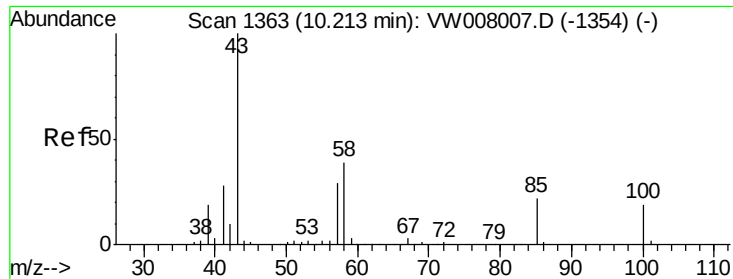
100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 2.113 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampled :

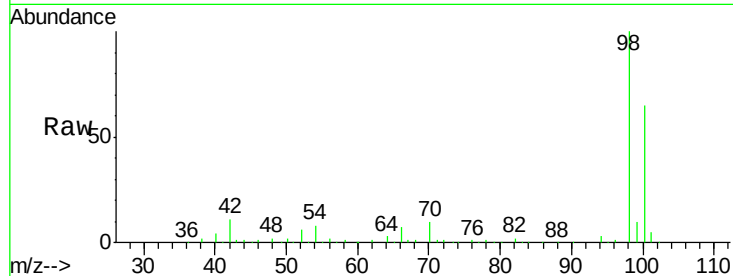
TN-1419

Tot Ion: 43 Resp: 673

Ion Ratio Lower Upper

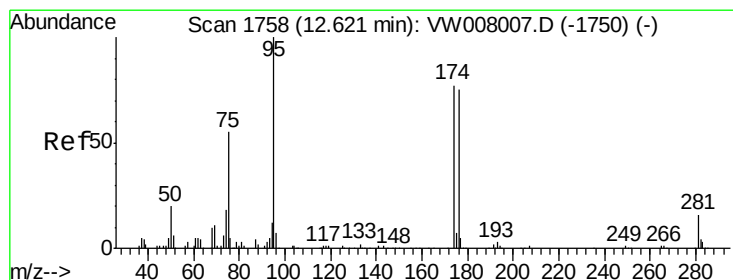
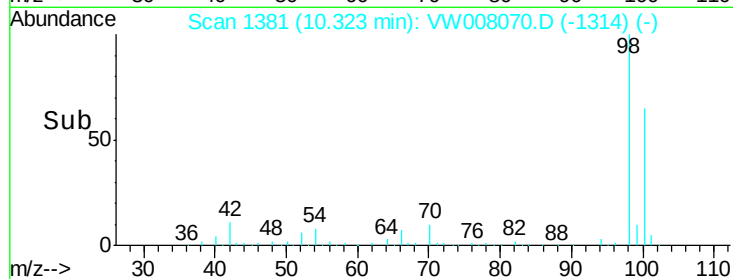
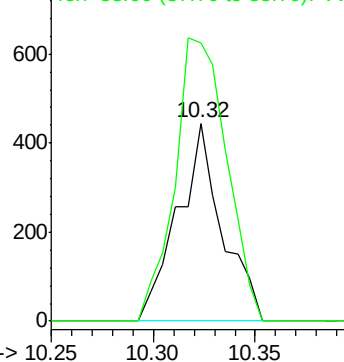
43 100

58 167.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 39.658 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

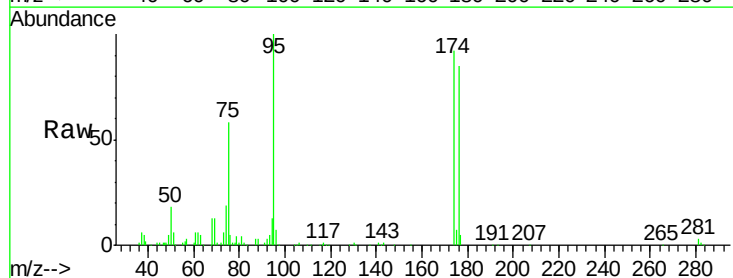
Tgt Ion: 95 Resp: 41802

Ion Ratio Lower Upper

95 100

174 79.7 0.0 149.6

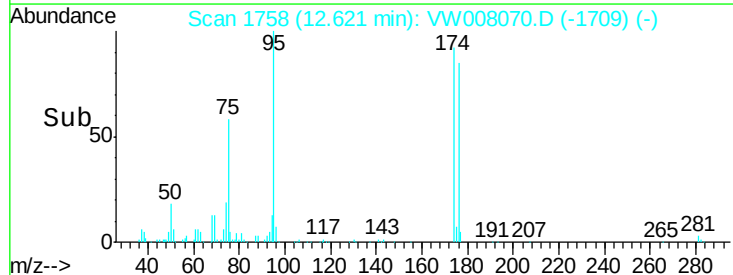
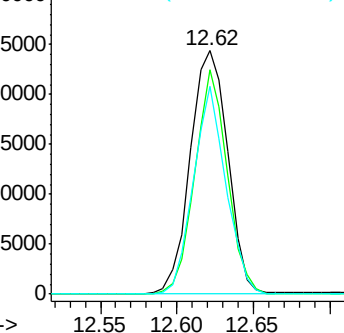
176 73.9 0.0 145.4

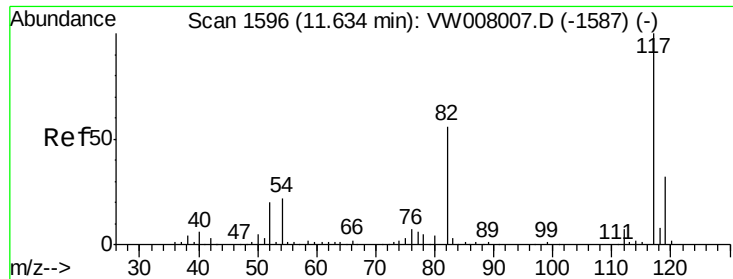


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

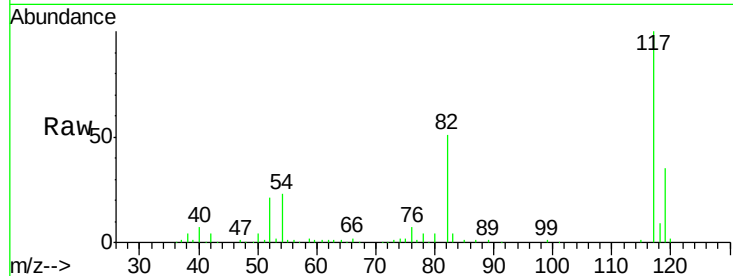




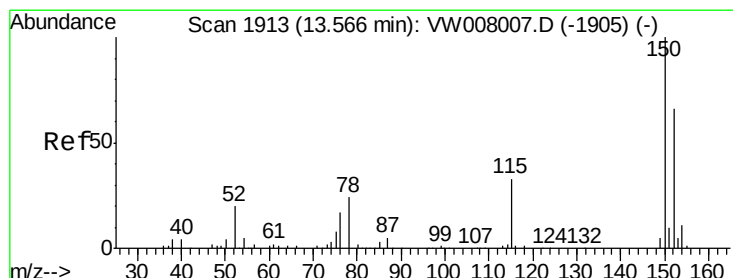
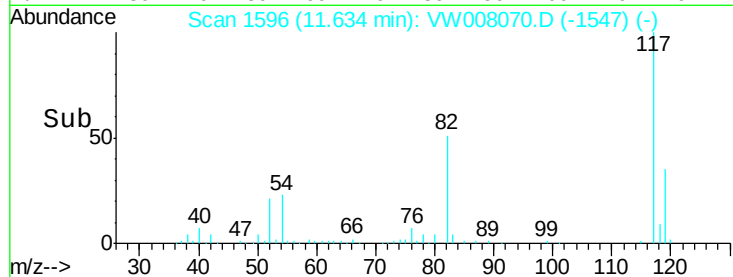
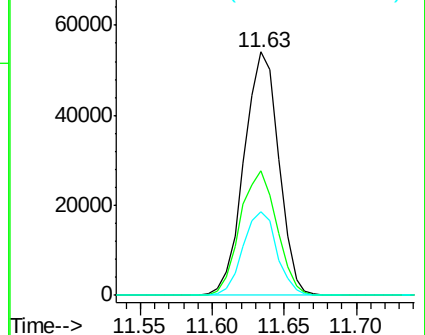
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008070.D
Acq: 07 Jan 2019 15:29

Instrument :
MSVOA_W
ClientSampled :
TN-1419

Tot Ion:117 Resp: 90248
Ion Ratio Lower Upper
117 100
82 51.0 44.8 67.2
119 34.6 25.6 38.4

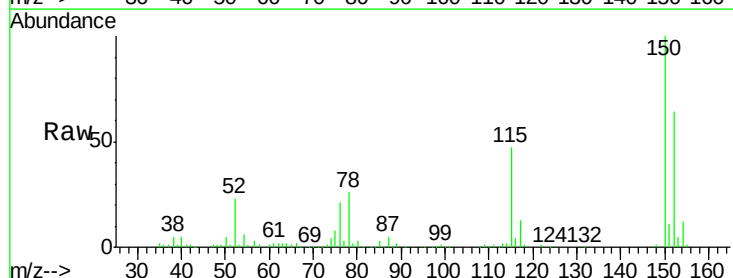


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

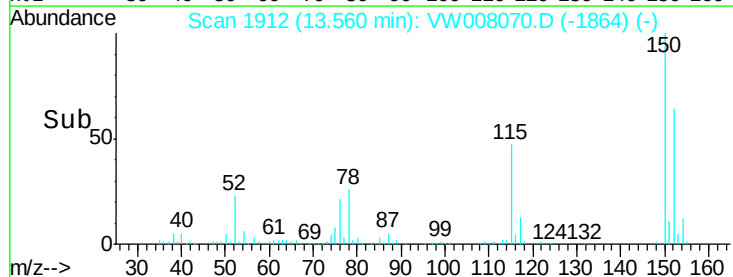
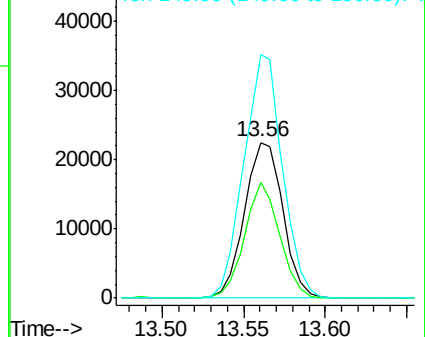


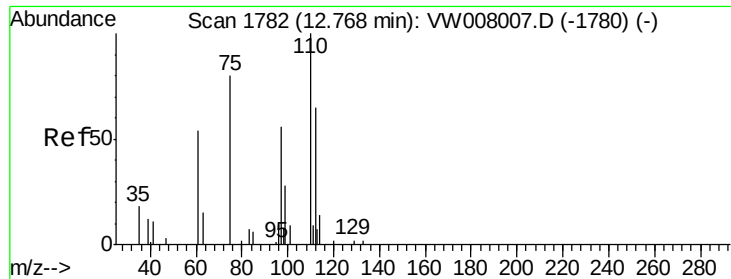
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008070.D
Acq: 07 Jan 2019 15:29

Tgt Ion:152 Resp: 36850
Ion Ratio Lower Upper
152 100
115 67.4 32.1 96.5
150 157.1 0.0 345.0



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: 80.703 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

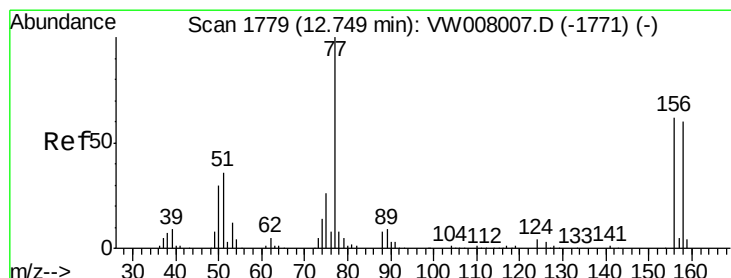
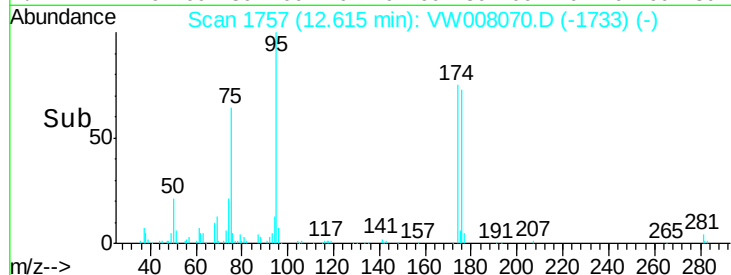
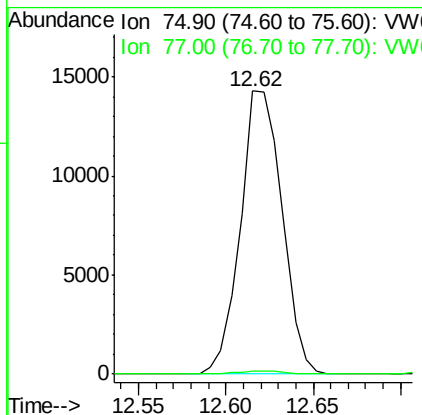
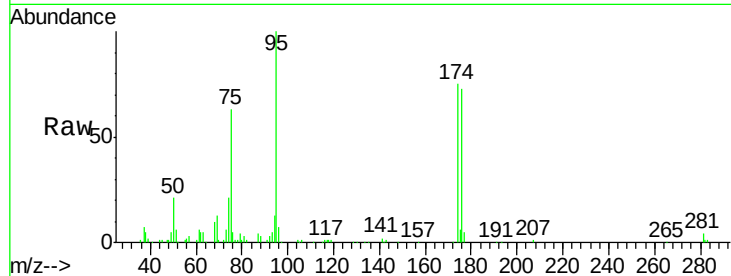
TN-1419

Tot Ion: 75 Resp: 23659

Ion Ratio Lower Upper

75 100

77 1.3 186.2 558.6#



#77

Bromobenzene

Concen: 2.787 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

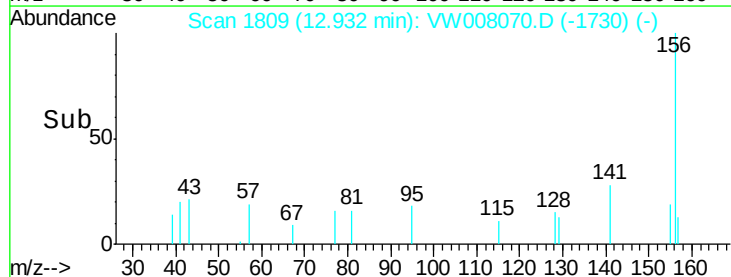
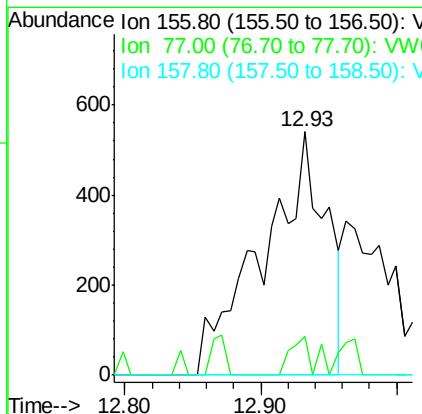
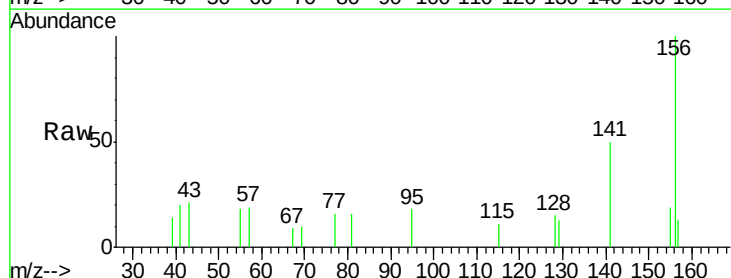
Tgt Ion: 156 Resp: 1755

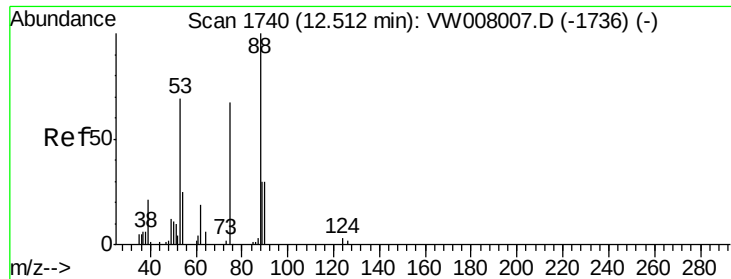
Ion Ratio Lower Upper

156 100

77 4.3 87.9 263.8#

158 0.0 47.8 143.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 190.851 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008070.D

Acq: 07 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

TN-1419

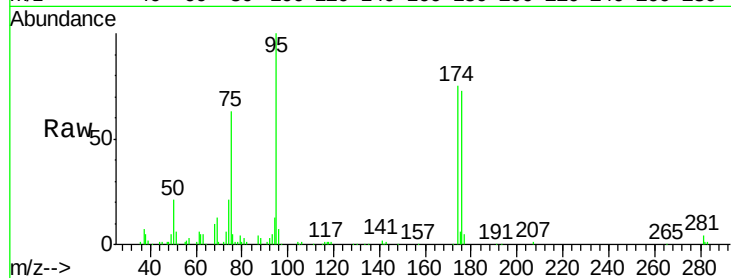
Tot Ion: 75 Resp: 23659

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 42.2 63.2#



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

