

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008083.D
 Acq On : 07 Jan 2019 21:14
 Operator : SY/AP
 Sample : K1075-02
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-1

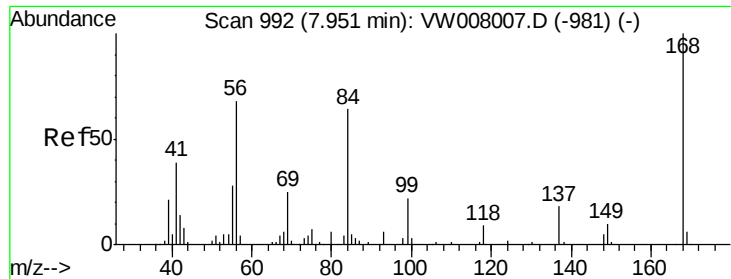
Quant Time: Jan 08 03:48:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	8545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	13973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	11884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5002	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	5601	59.26	ug/l	0.00
Spiked Amount			Recovery	=	118.52%	
35) Dibromofluoromethane	7.88	113	4595	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	10.32	98	16484	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.62	95	5879	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	125	8.544	ug/l #	48
20) Methylene Chloride	4.92	84	179	Below Cal	#	53
36) 1,1-Dichloropropene	7.95	75	612	4.440	ug/l #	41
38) Carbon Tetrachloride	7.94	117	966	5.848	ug/l #	11
51) 4-Methyl-2-Pentanone	10.32	43	41	1.071	ug/l #	1
74) N-amyl acetate	12.36	43	157	2.536	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.71	83	68	1.344	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	3319	83.406	ug/l #	1
77) Bromobenzene	12.93	156	140	1.638	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3319	197.242	ug/l #	6
90) Hexachloroethane	14.16	117	70	1.085	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

MSVOA_W

ClientSampleId :

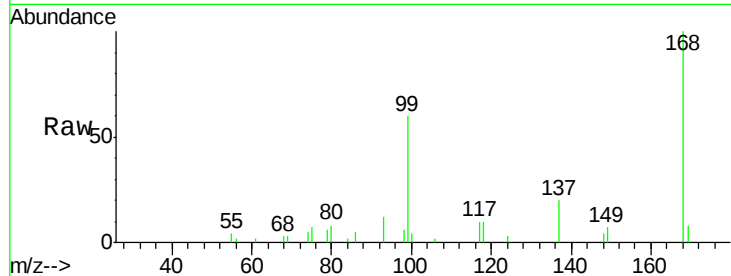
BASIN-1

Tot Ion:168 Resp: 8545

Ion Ratio Lower Upper

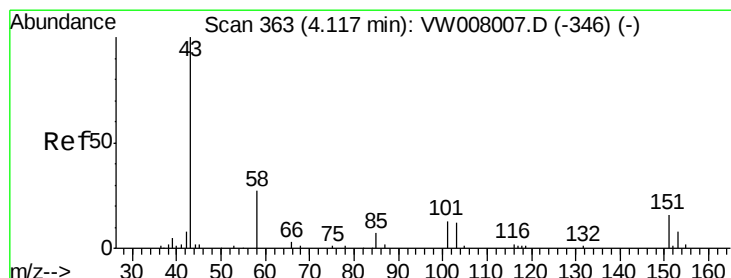
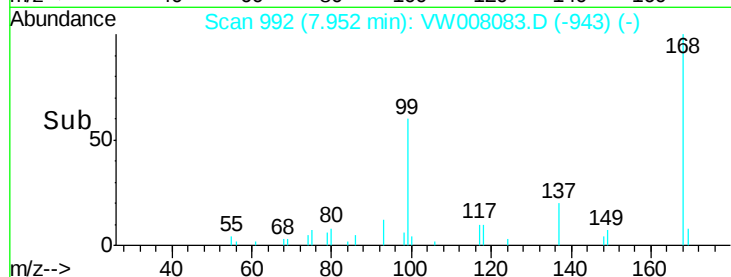
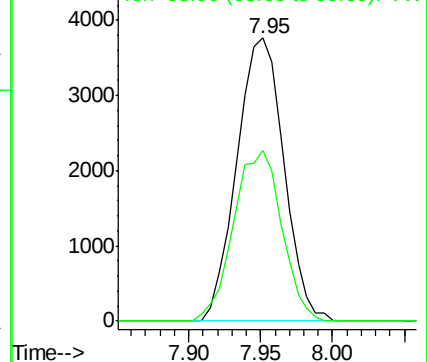
168 100

99 60.4 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: 8.544 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW008083.D

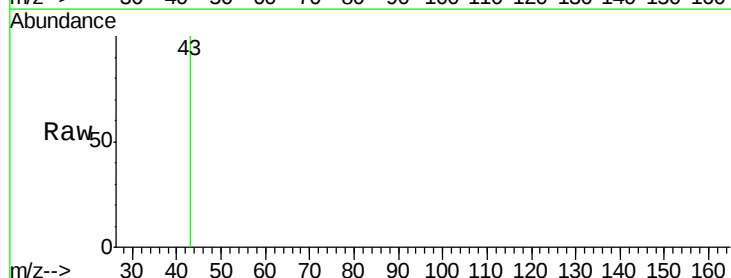
Acq: 07 Jan 2019 21:14

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

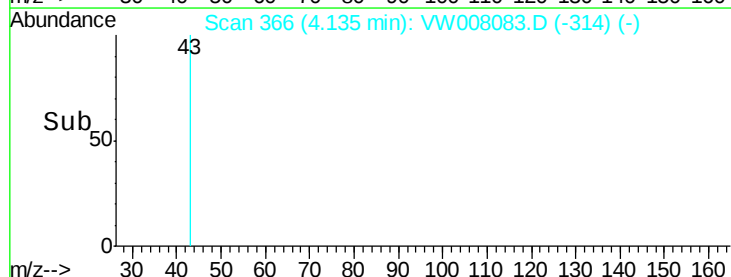
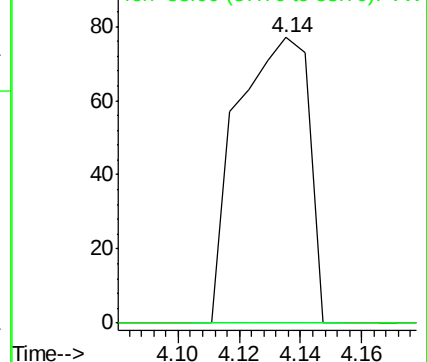
43 100

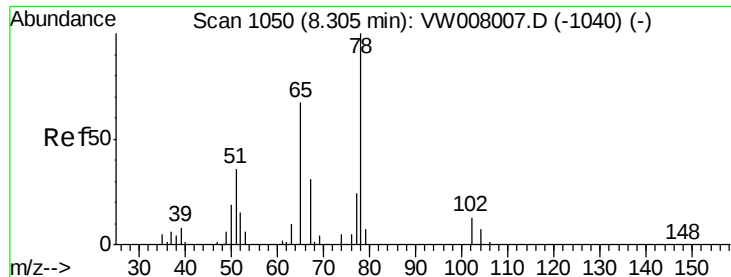
58 0.0 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

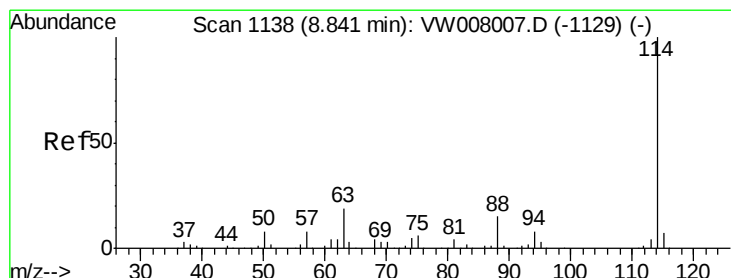
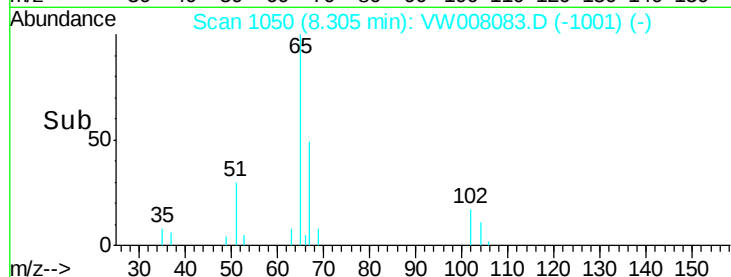
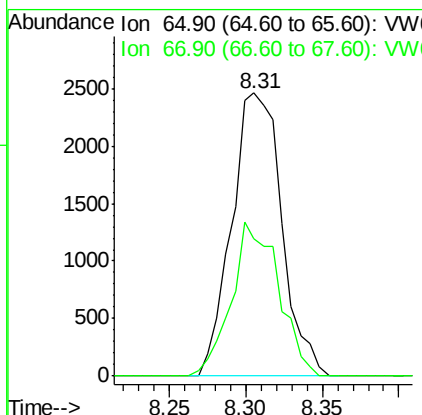
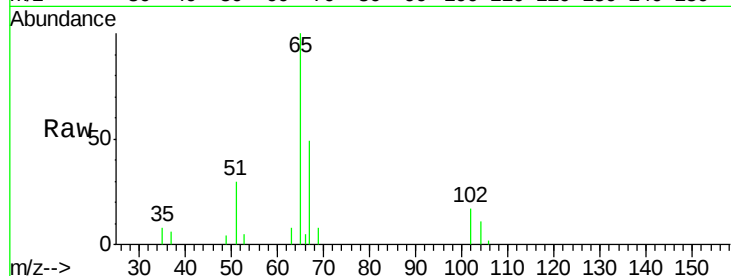




#33
 1,2-Dichloroethane-d4
 Concen: 59.262 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008083.D
 Acq: 07 Jan 2019 21:14

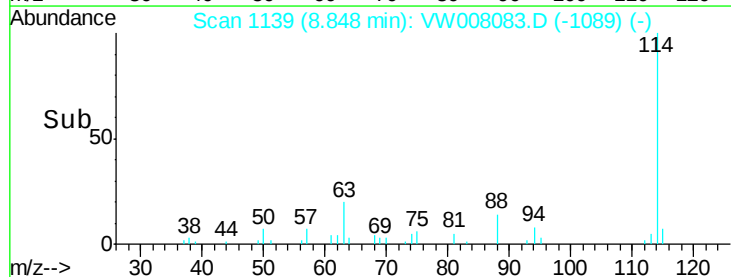
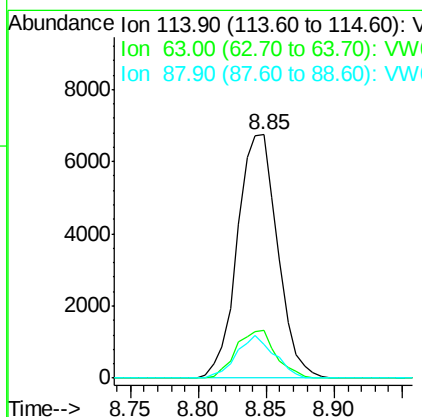
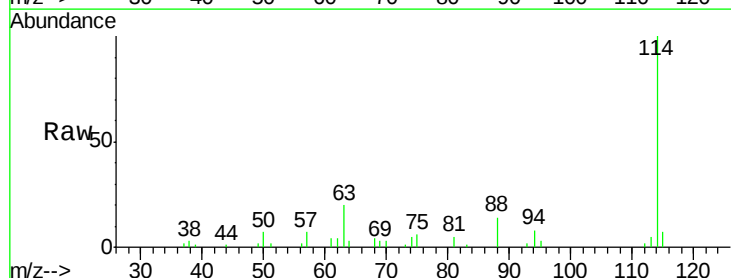
Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-1

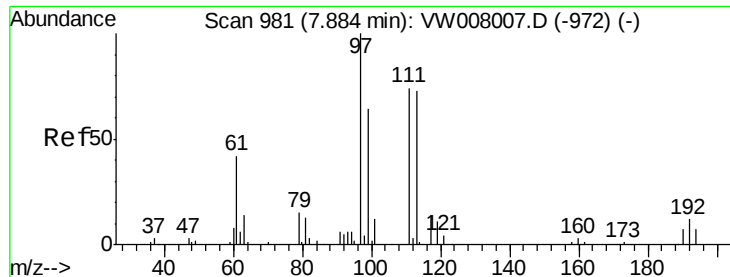
Tot Ion: 65 Resp: 5601
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW008083.D
 Acq: 07 Jan 2019 21:14

Tgt Ion: 114 Resp: 13973
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.8
 88 13.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.165 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

MSVOA_W

ClientSampled :

BASIN-1

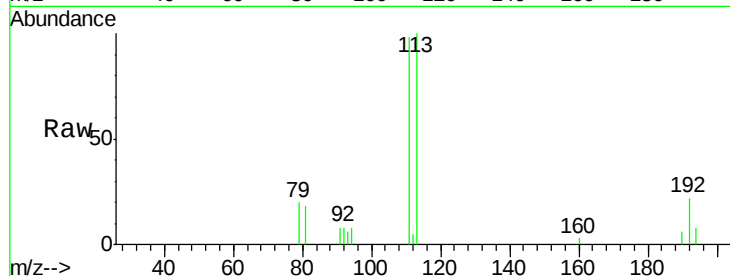
Tot Ion:113 Resp: 4595

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

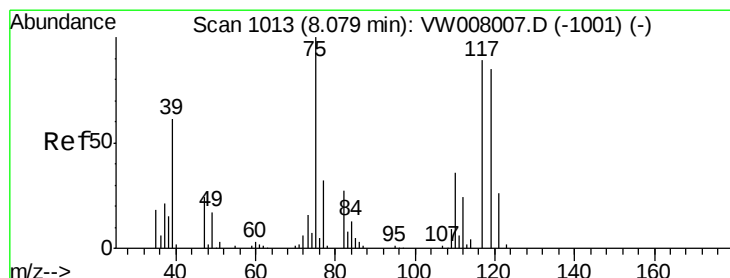
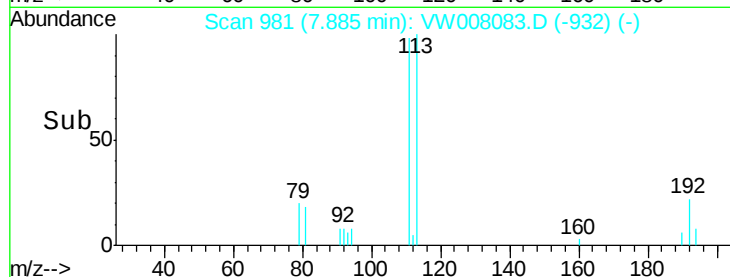
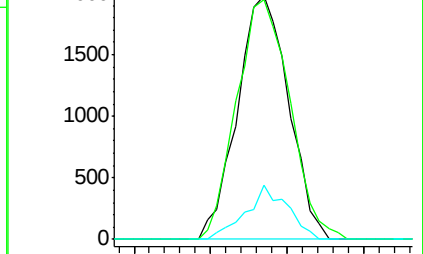
192 18.1 14.8 22.2



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: 4.440 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

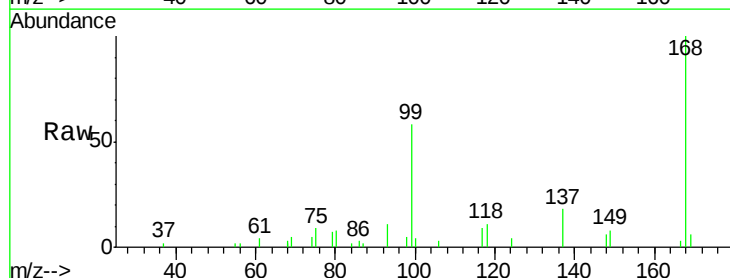
Tgt Ion: 75 Resp: 612

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.3#

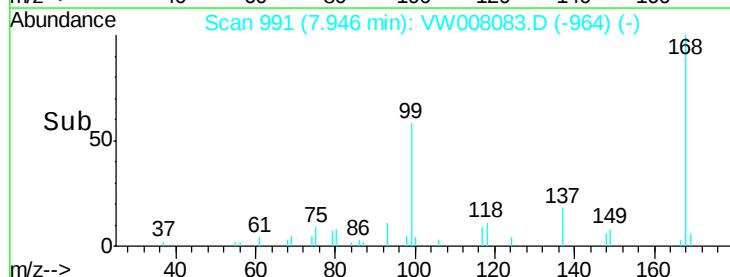
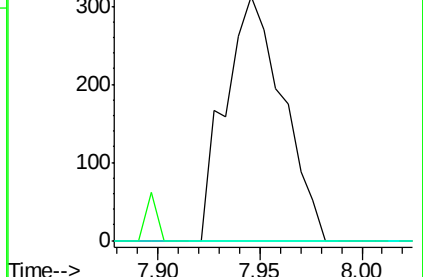
77 0.0 25.3 37.9#

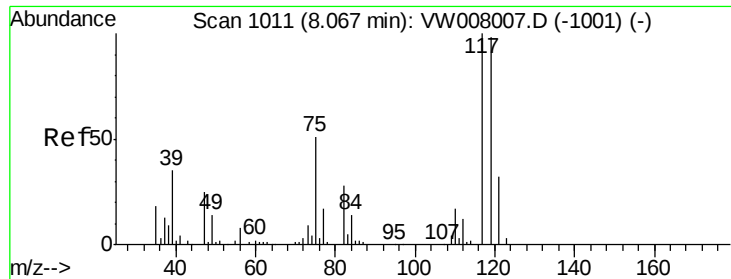


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

MSVOA_W

ClientSampleId :

BASIN-1

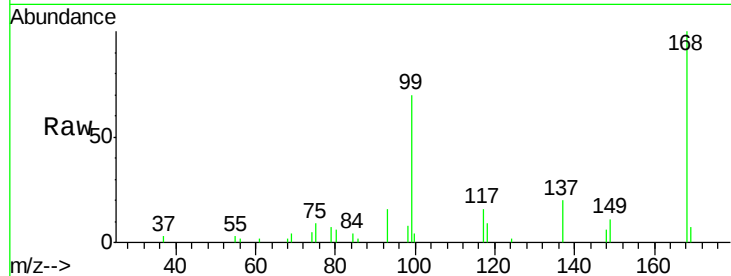
Tot Ion:117 Resp: 966

Ion Ratio Lower Upper

117 100

119 0.0 78.7 118.1#

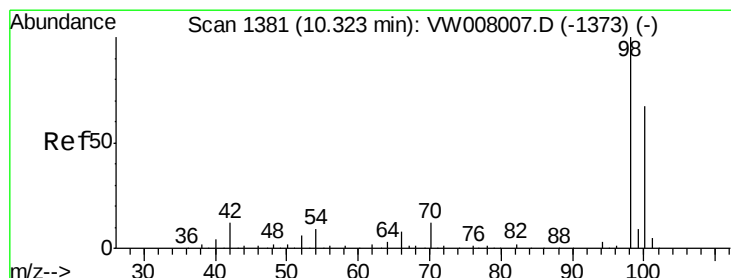
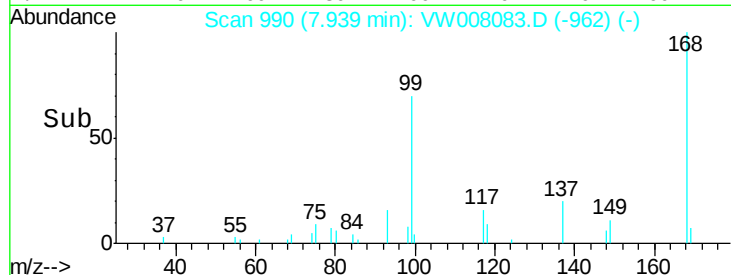
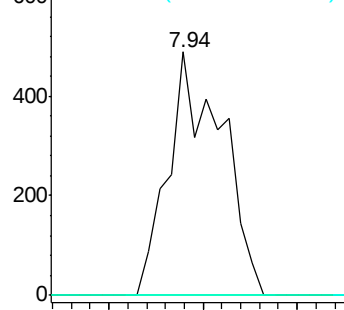
121 0.0 25.8 38.8#



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: 49.886 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008083.D

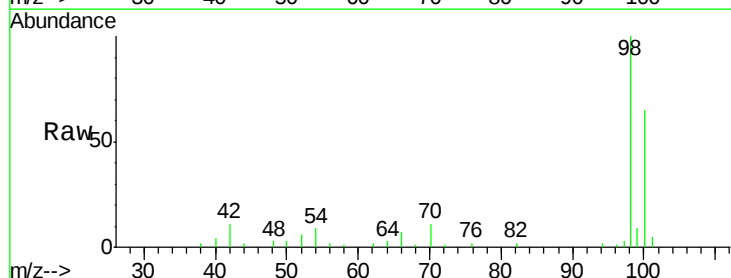
Acq: 07 Jan 2019 21:14

Tgt Ion: 98 Resp: 16484

Ion Ratio Lower Upper

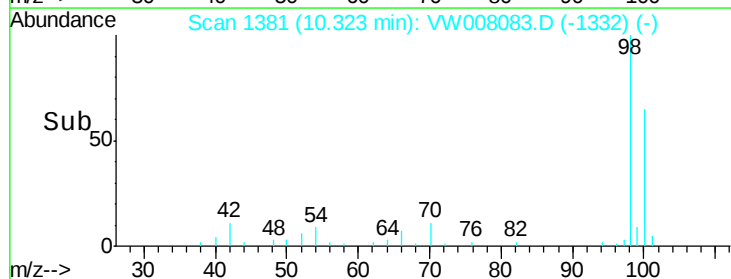
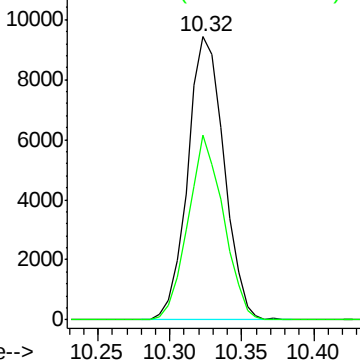
98 100

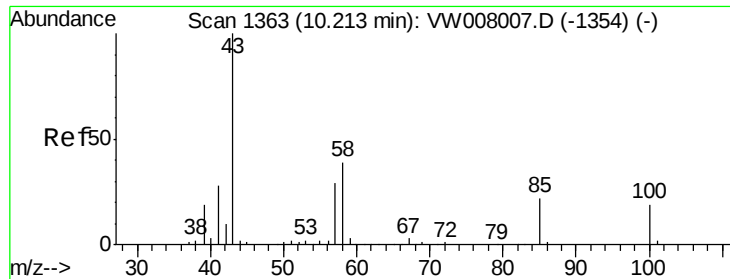
100 63.6 52.9 79.3



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: 1.071 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.10 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

MSVOA_W

ClientSampled :

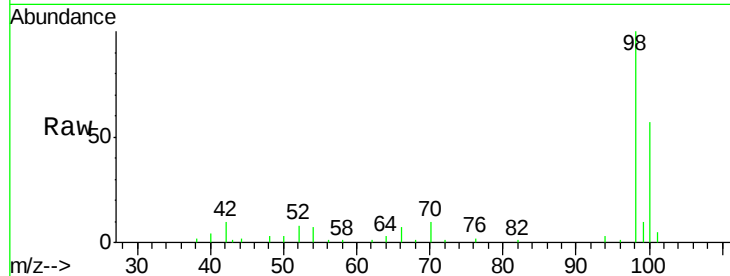
BASIN-1

Tot Ion: 43 Resp: 41

Ion Ratio Lower Upper

43 100

58 197.6 32.0 48.0#

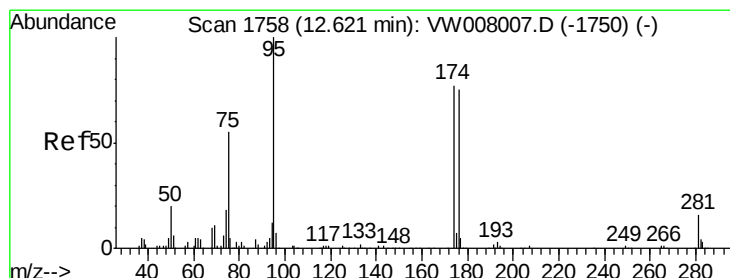
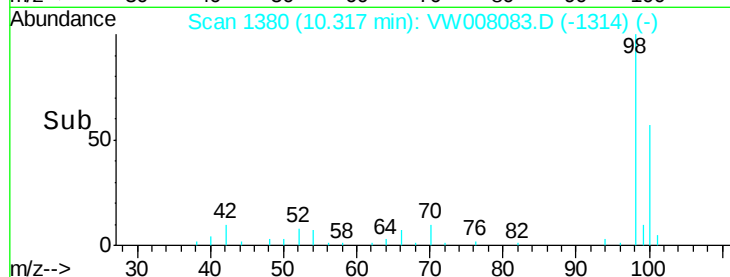


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.32

Time-->



#62

4-Bromofluorobenzene

Concen: 46.392 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

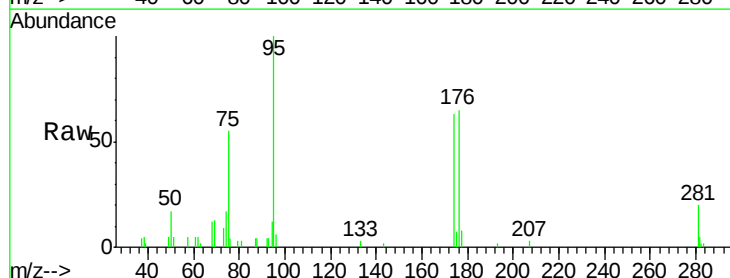
Tgt Ion: 95 Resp: 5879

Ion Ratio Lower Upper

95 100

174 73.9 0.0 149.6

176 71.0 0.0 145.4



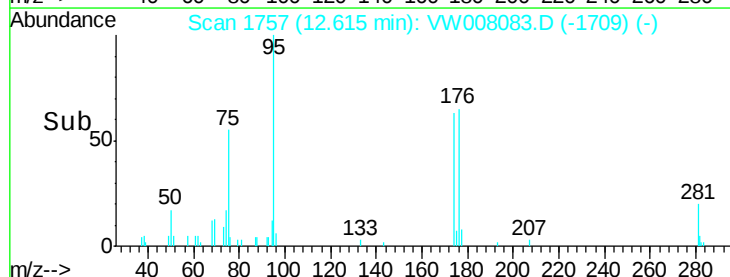
Abundance Ion 94.90 (94.60 to 95.60): VW

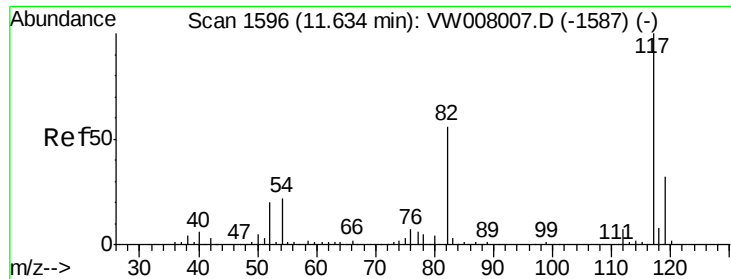
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time-->

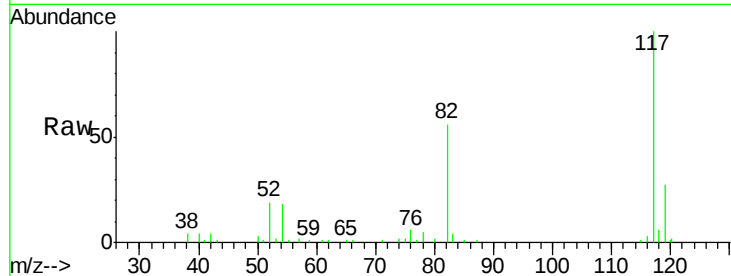




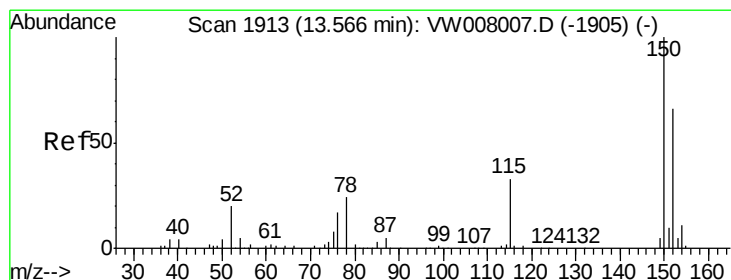
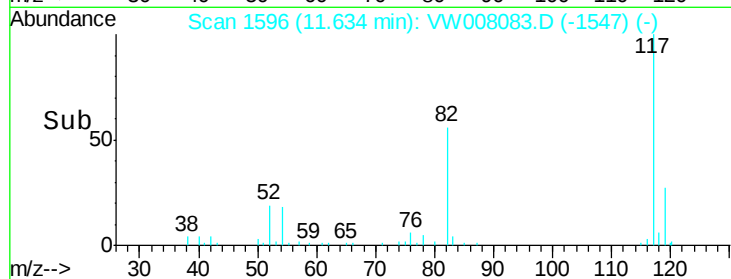
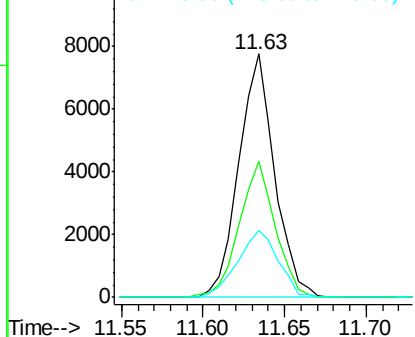
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008083.D
Acq: 07 Jan 2019 21:14

Instrument :
MSVOA_W
ClientSampled :
BASIN-1

Tot Ion:117 Resp: 11884
Ion Ratio Lower Upper
117 100
82 55.9 44.8 67.2
119 27.4 25.6 38.4

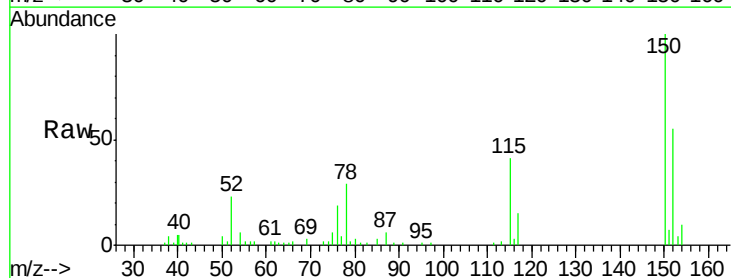


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

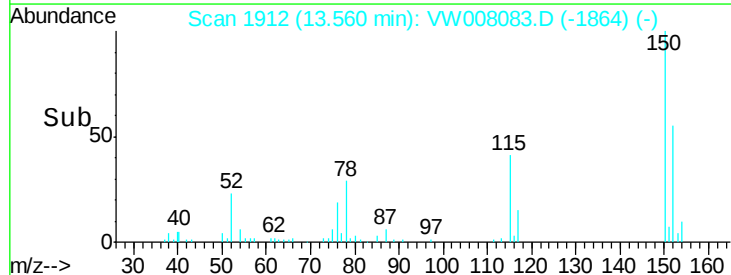
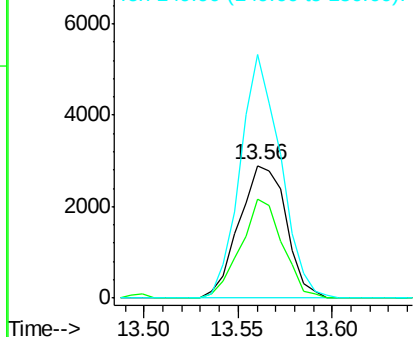


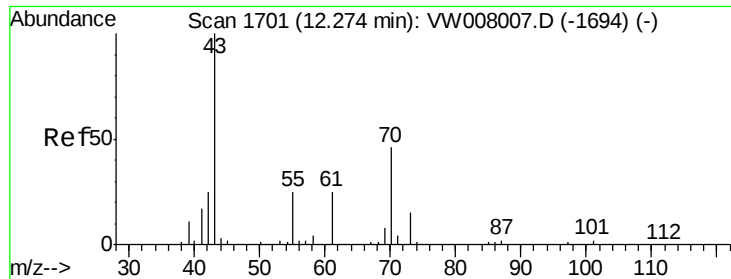
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008083.D
Acq: 07 Jan 2019 21:14

Tgt Ion:152 Resp: 5002
Ion Ratio Lower Upper
152 100
115 66.5 32.1 96.5
150 158.2 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





#74

N-amvl acetate

Concen: 2.536 ug/l

RT: 12.36 min Scan# 1715

Delta R.T. 0.09 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

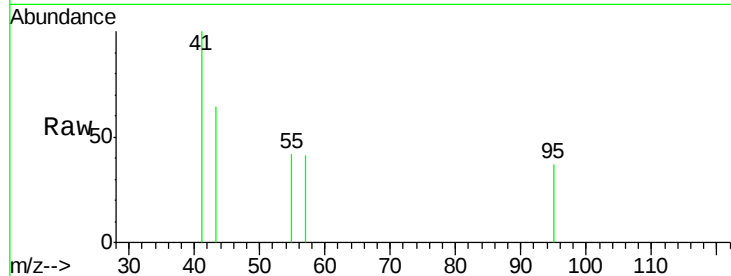
MSVOA_W

ClientSampled :

BASIN-1

Tot Ion: 43 Resp: 157

Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.2	52.8#
55	59.9	21.4	32.0#
61	0.0	19.4	29.0#

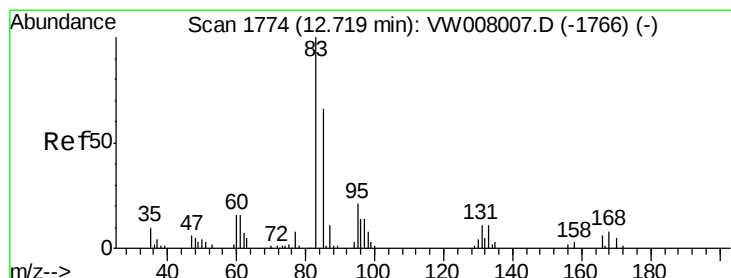
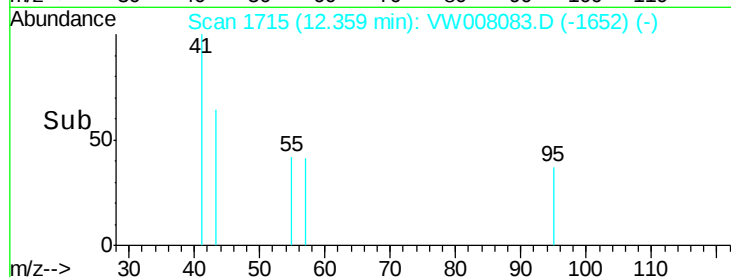
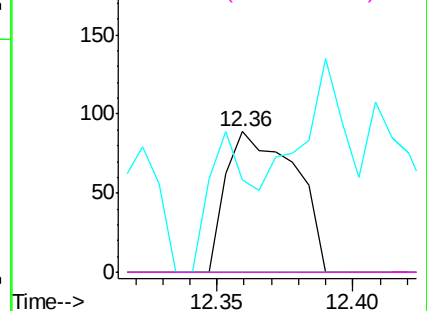


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 1.344 ug/l

RT: 12.71 min Scan# 1773

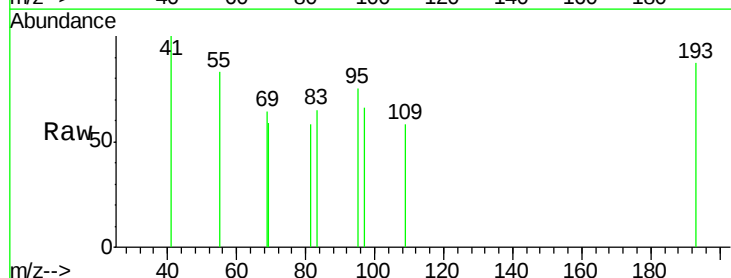
Delta R.T. -0.01 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Tgt Ion: 83 Resp: 68

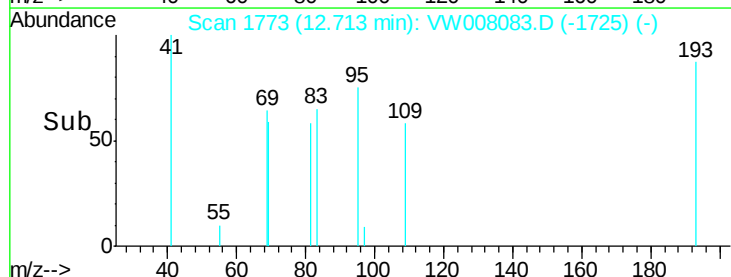
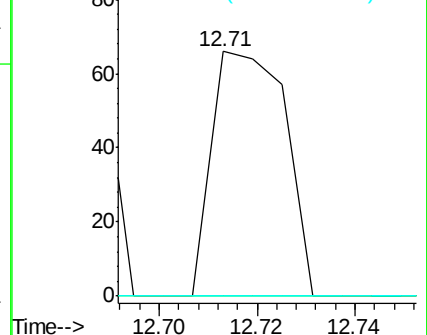
Ion	Ratio	Lower	Upper
83	100		
131	0.0	6.5	19.5#
85	0.0	32.8	98.3#

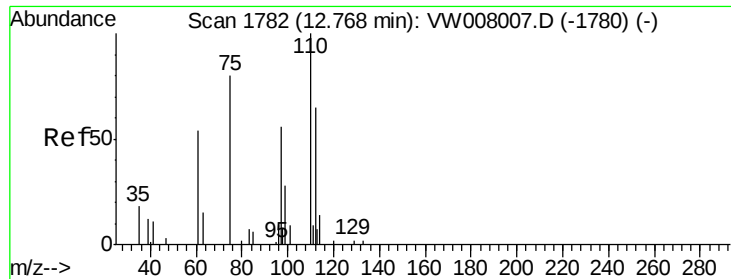


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 83.406 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

MSVOA_W

ClientSampled :

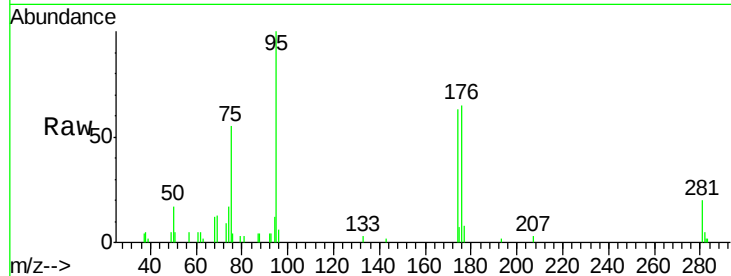
BASIN-1

Tot Ion: 75 Resp: 3319

Ion Ratio Lower Upper

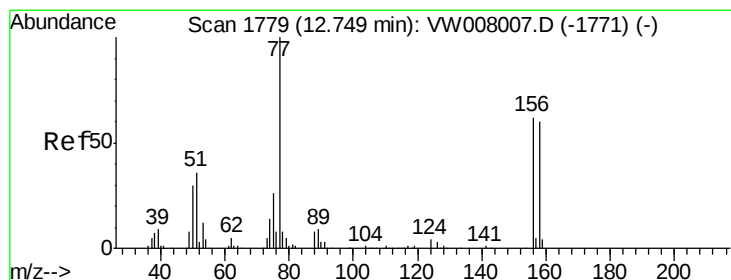
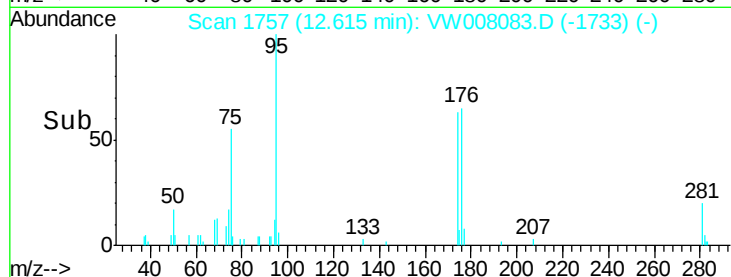
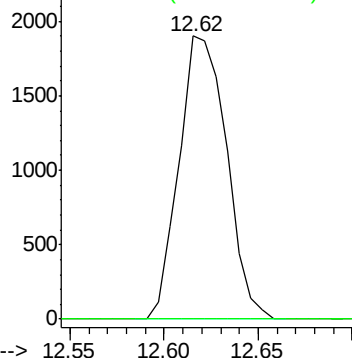
75 100

77 0.0 186.2 558.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 1.638 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

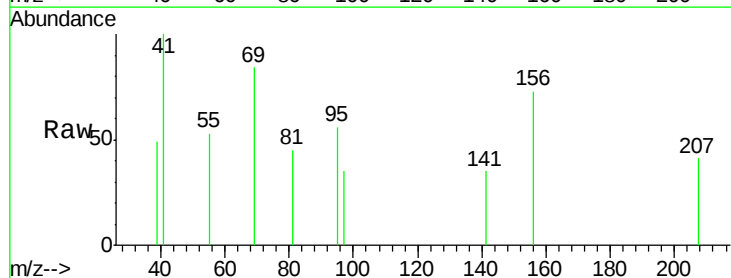
Tgt Ion: 156 Resp: 140

Ion Ratio Lower Upper

156 100

77 0.0 87.9 263.8#

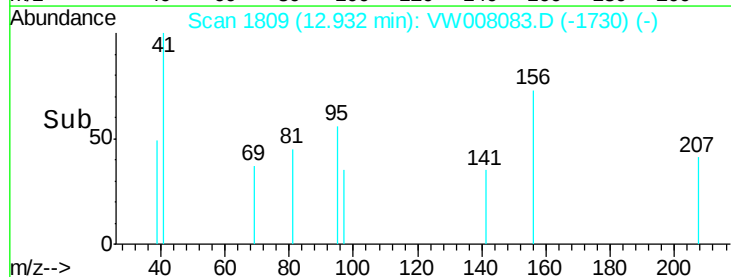
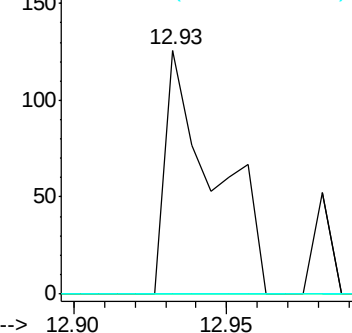
158 0.0 47.8 143.4#

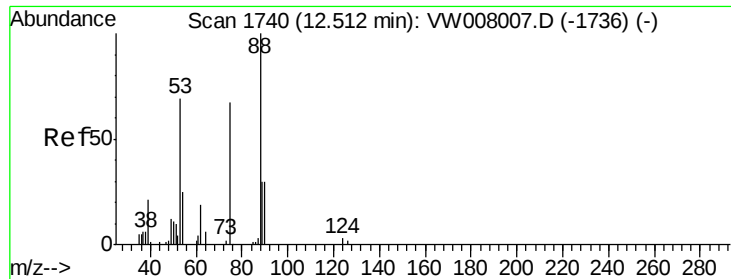


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 197.242 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Instrument :

MSVOA_W

ClientSampleId :

BASIN-1

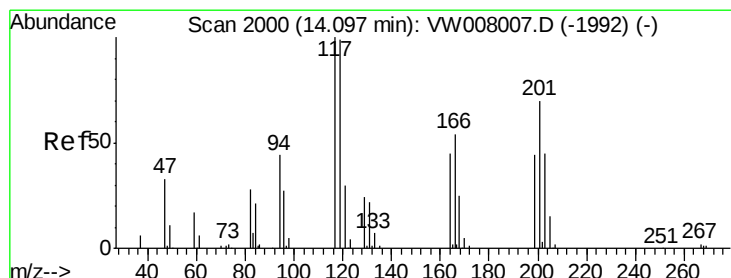
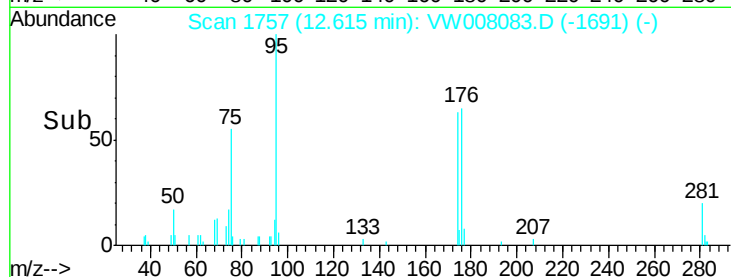
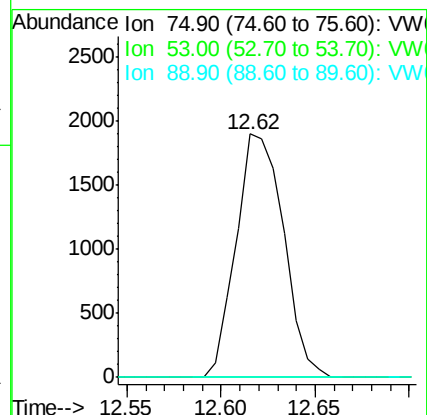
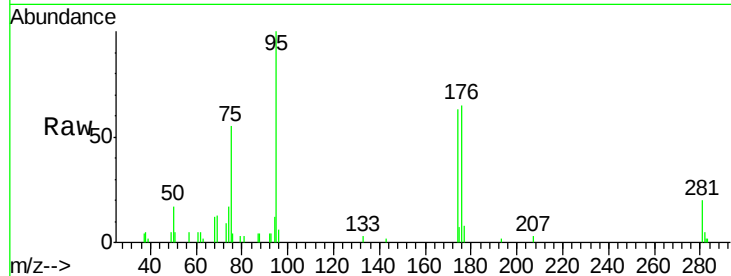
Tot Ion: 75 Resp: 3319

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 42.2 63.2#



#90

Hexachloroethane

Concen: 1.085 ug/l

RT: 14.16 min Scan# 2010

Delta R.T. 0.06 min

Lab File: VW008083.D

Acq: 07 Jan 2019 21:14

Tgt Ion: 117 Resp: 70

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.5#

