

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008105.D
 Acq On : 09 Jan 2019 16:10
 Operator : SY/AP
 Sample : K1075-02RE
 Misc : 3.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-1RE

Quant Time: Jan 10 05:58:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	27953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	43879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17233	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	13480	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
35) Dibromofluoromethane	7.88	113	12896	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.32	98	54674	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	18715	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

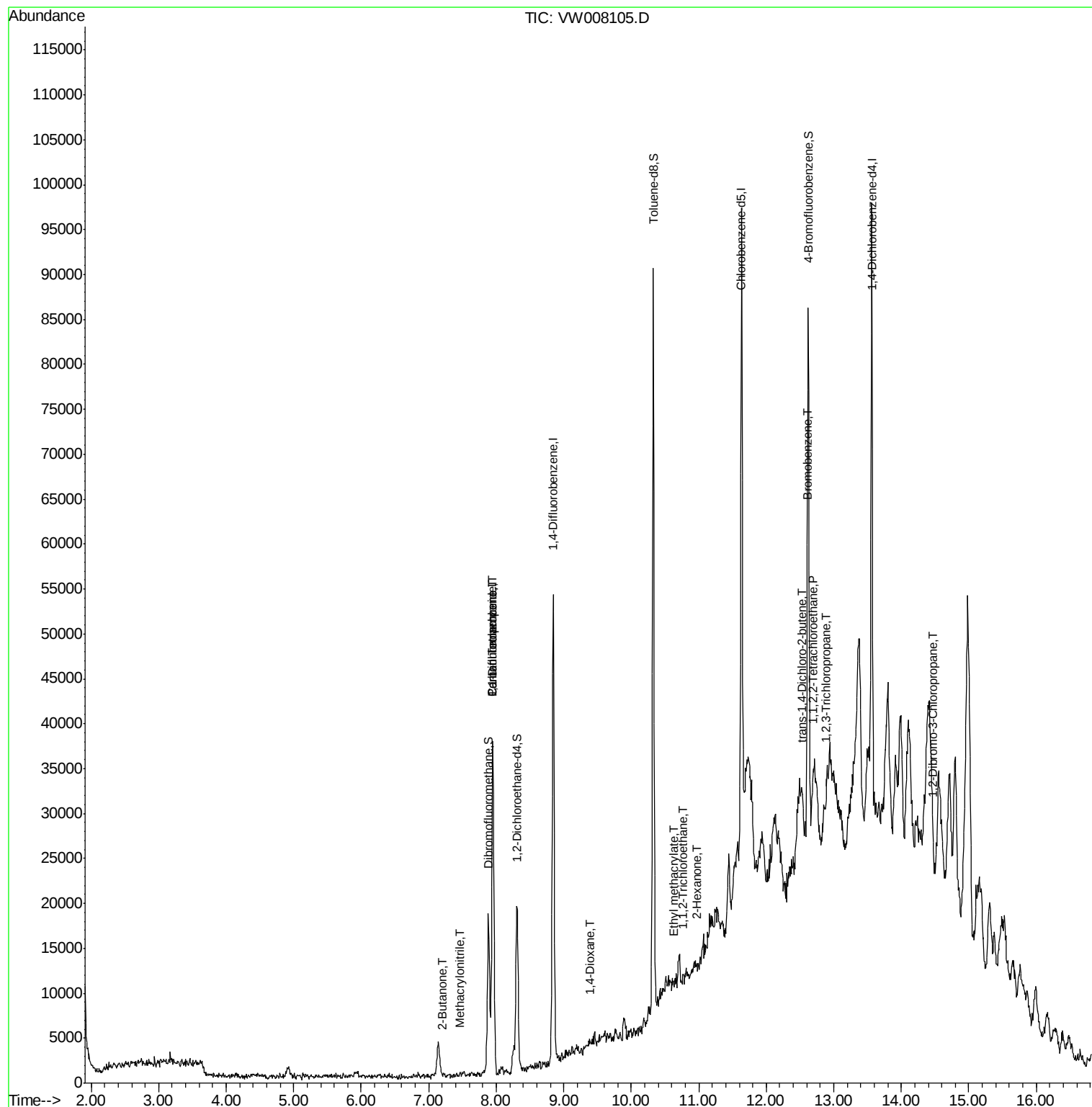
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	63	Below Cal	#	100
16) Acetone	4.13	43	378	Below Cal	#	40
20) Methylene Chloride	4.91	84	799	Below Cal	#	78
25) 2-Butanone	7.20	43	105	1.201	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	2291	5.069	ug/l #	50
38) Carbon Tetrachloride	7.95	117	2854	6.899	ug/l #	17
41) Methacrylonitrile	7.46	41	226	1.976	ug/l #	44
49) 1,4-Dioxane	9.39	88	20	8.331	ug/l #	39
55) 1,1,2-Trichloroethane	10.77	97	222	1.059	ug/l #	45
56) Ethyl methacrylate	10.63	69	264	1.017	ug/l #	33
59) 2-Hexanone	10.98	43	240	2.025	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.69	83	1029	4.752	ug/l #	25
76) 1,2,3-Trichloropropane	12.88	75	291	1.852	ug/l #	1
77) Bromobenzene	12.60	156	1059	3.704	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.52	75	332	4.921	ug/l #	62
92) 1,2-Dibromo-3-Chloropropan	14.47	75	56	1.607	ug/l #	41

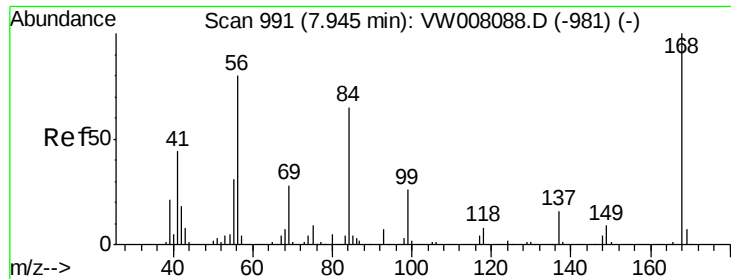
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 09 04:40:48 2019
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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: VW008105.D

Acq: 09 Jan 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

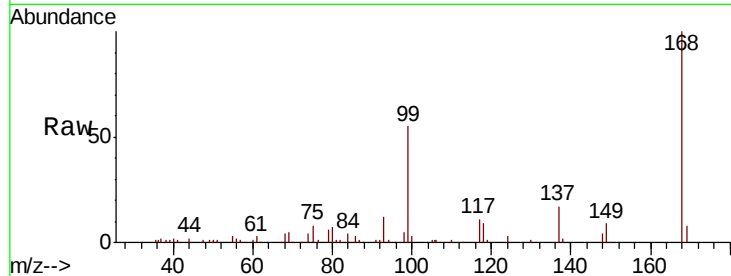
BASIN-1RE

Tgt Ion: 168 Resp: 27953

Ion Ratio Lower Upper

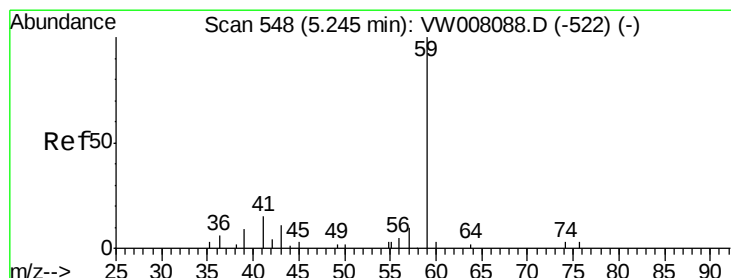
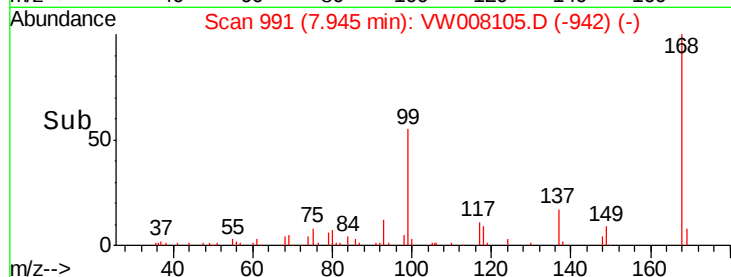
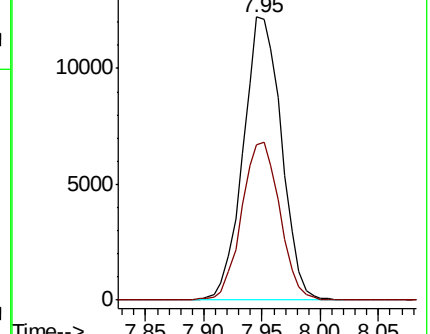
168 100

99 55.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 549

Delta R.T. 0.01 min

Lab File: VW008105.D

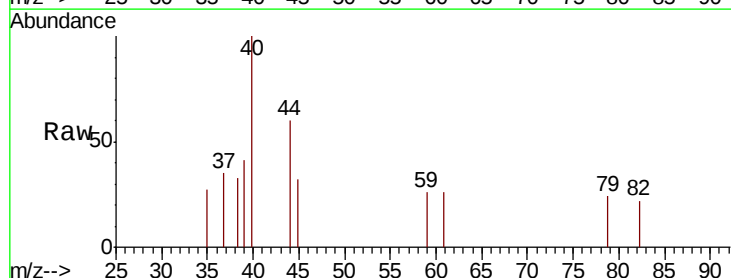
Acq: 09 Jan 2019 16:10

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

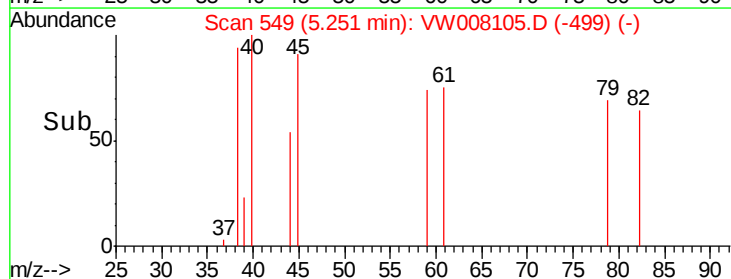
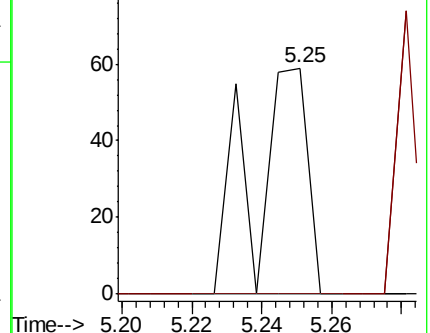
59 100

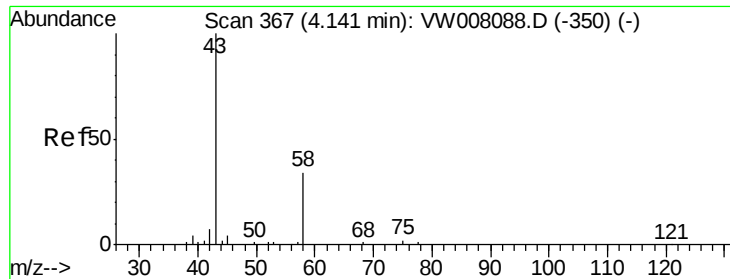
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

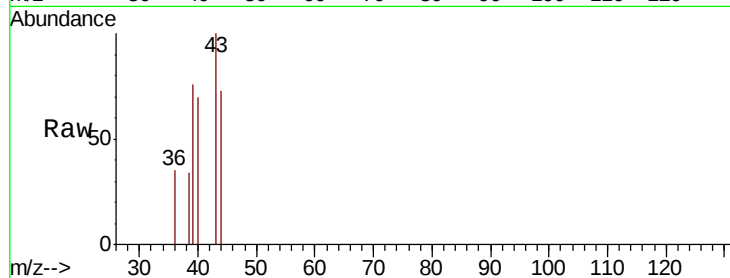
BASIN-1RE

Tgt Ion: 43 Resp: 378

Ion Ratio Lower Upper

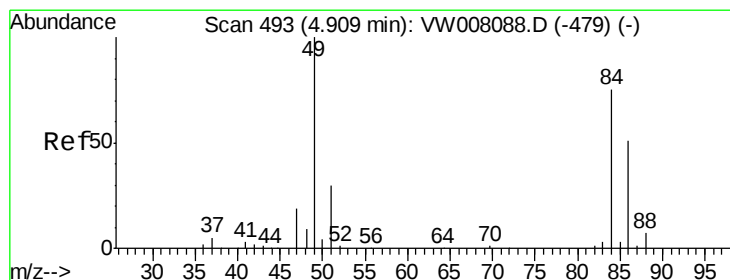
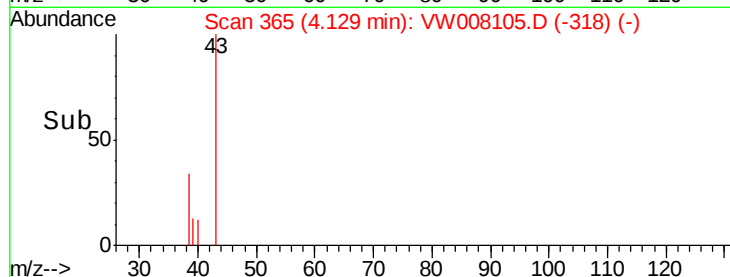
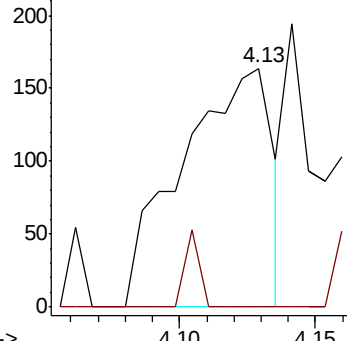
43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Tgt Ion: 84 Resp: 799

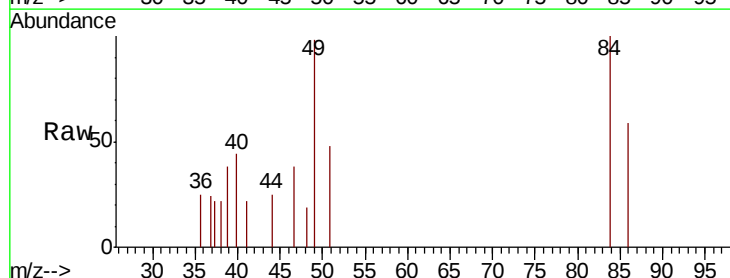
Ion Ratio Lower Upper

84 100

49 97.8 107.1 160.7#

51 48.0 32.4 48.6

86 58.7 54.2 81.4

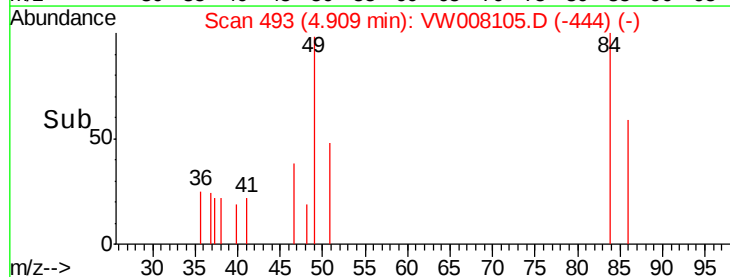
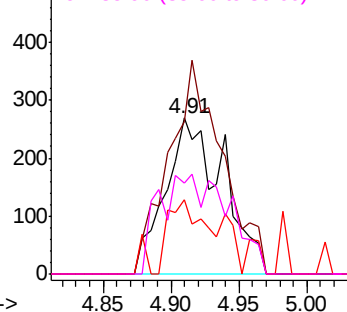


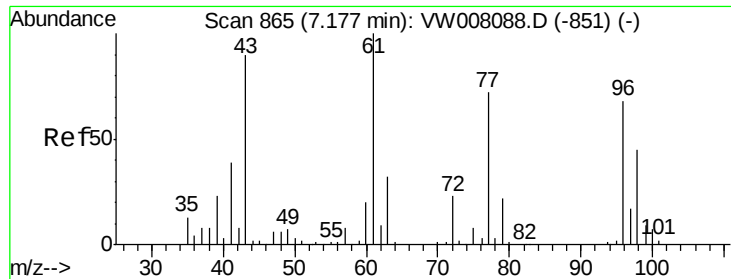
Abundance Ion 83.90 (83.60 to 84.60): VW

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

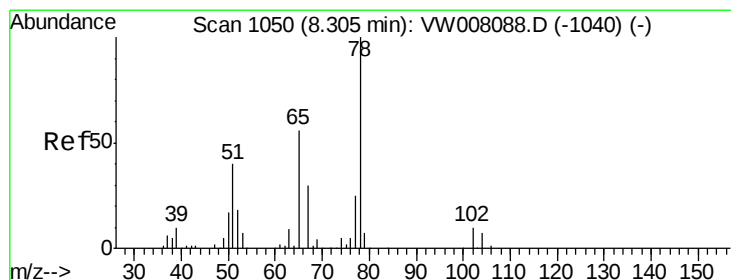
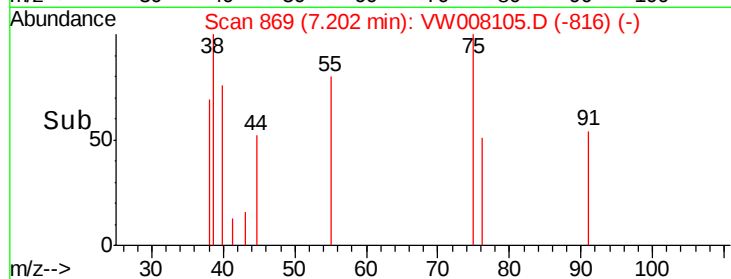
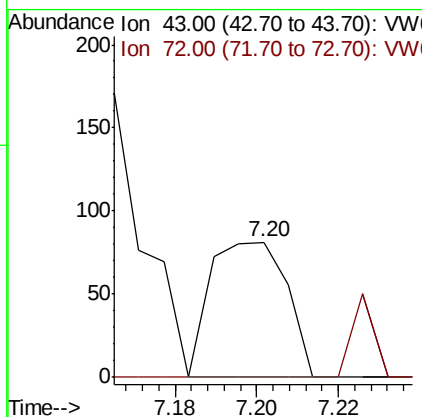
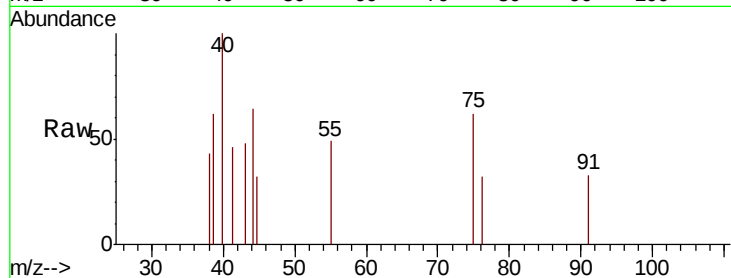




#25
2-Butanone
Concen: 1.201 ug/l
RT: 7.20 min Scan# 869
Delta R.T. 0.02 min
Lab File: VW008105.D
Acq: 09 Jan 2019 16:10

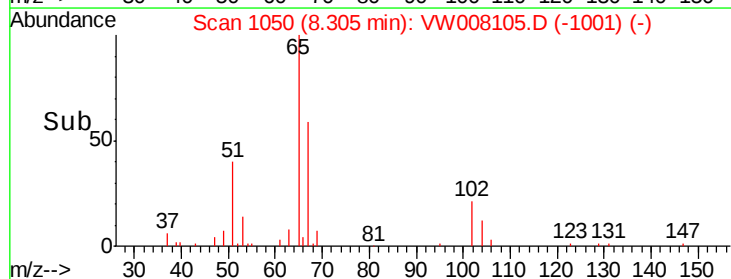
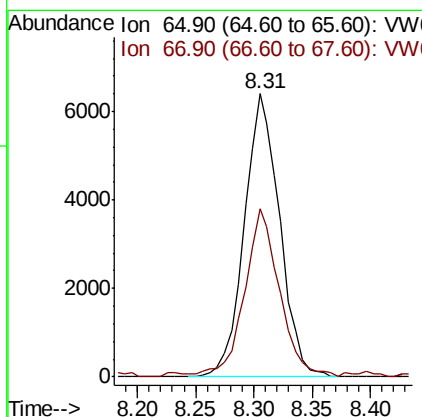
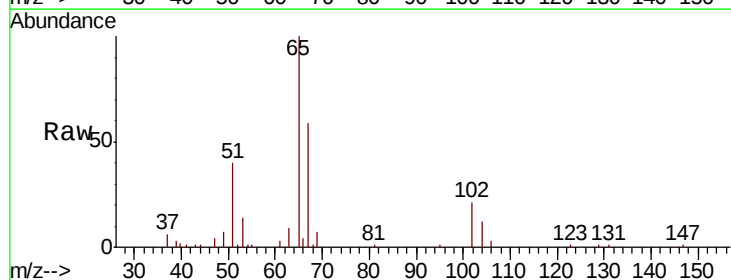
Instrument :
MSVOA_W
ClientSampled :
BASIN-1RE

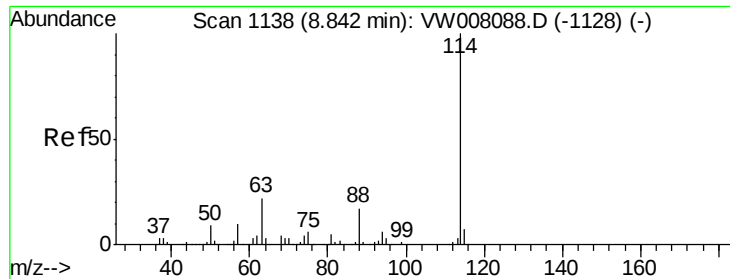
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 42.907 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008105.D
Acq: 09 Jan 2019 16:10

Tgt Ion: 65 Resp: 13480
Ion Ratio Lower Upper
65 100
67 59.2 0.0 106.8

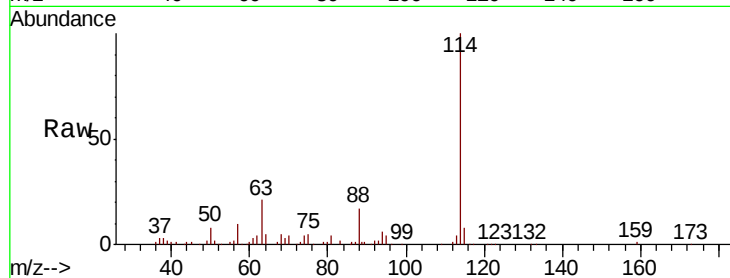




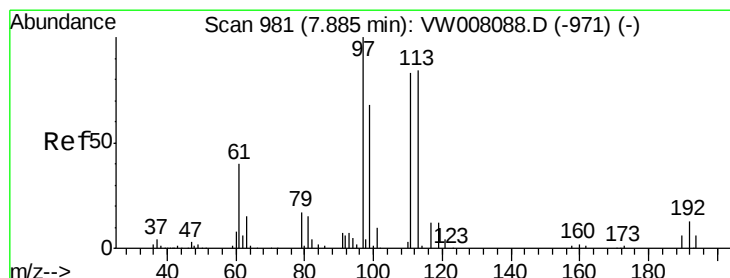
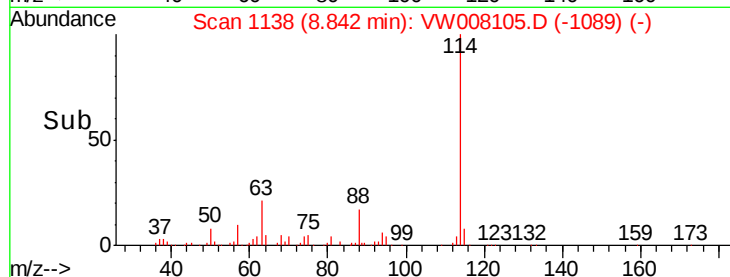
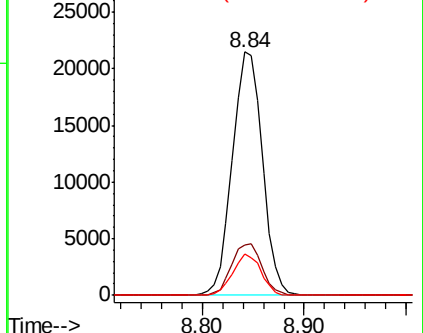
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008105.D
 Acq: 09 Jan 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-1RE

Tgt Ion:114 Resp: 43879
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.4
 88 17.0 0.0 33.4

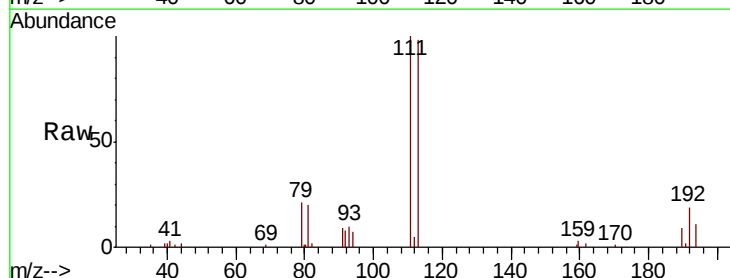


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

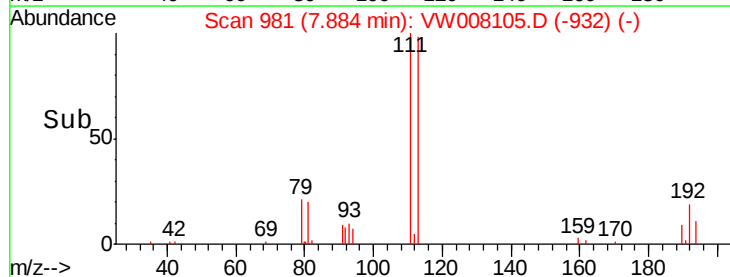
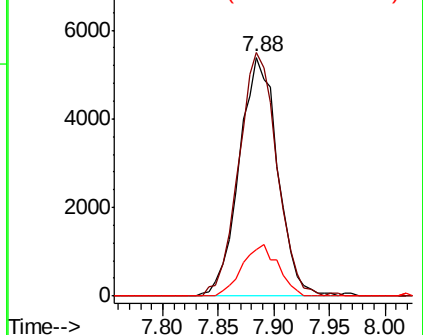


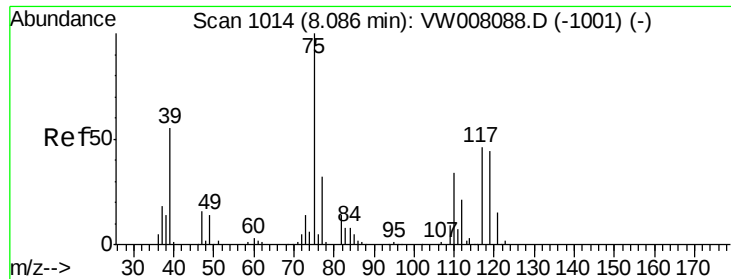
#35
 Dibromofluoromethane
 Concen: 50.391 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008105.D
 Acq: 09 Jan 2019 16:10

Tgt Ion:113 Resp: 12896
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 20.2 12.8 19.2#



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

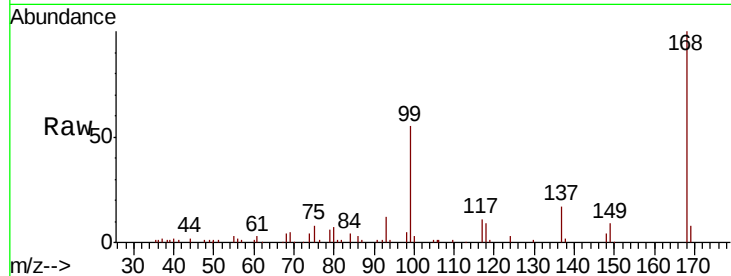




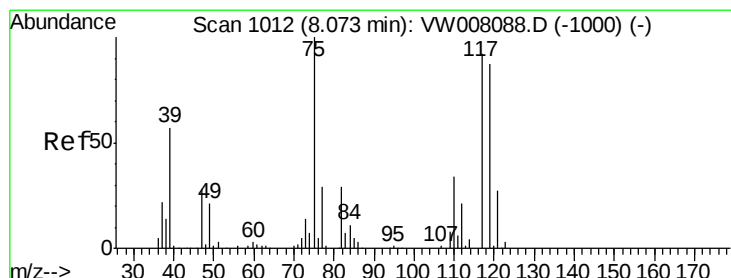
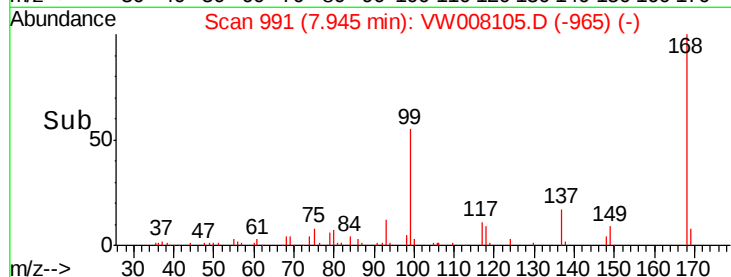
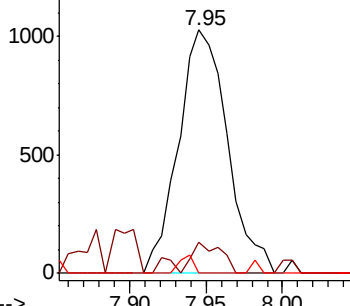
#36
 1,1-Dichloropropene
 Concen: 5.069 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008105.D
 Acq: 09 Jan 2019 16:10

Instrument :
 MSVOA_W
 ClientSampled :
 BASIN-1RE

Tgt Ion: 75 Resp: 2291
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.1 51.3#
 77 2.1 25.5 38.3#

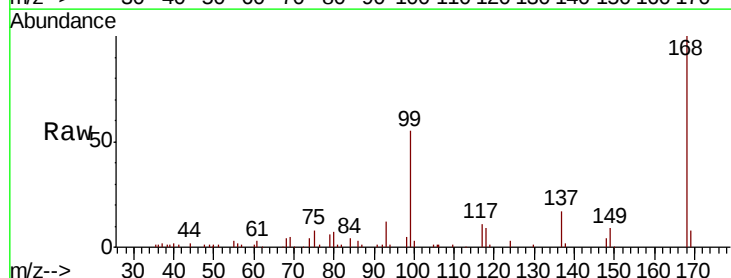


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

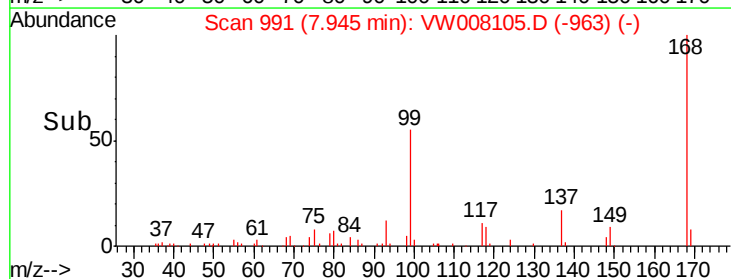
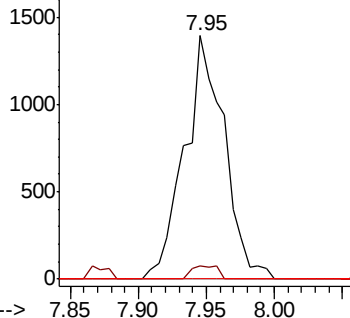


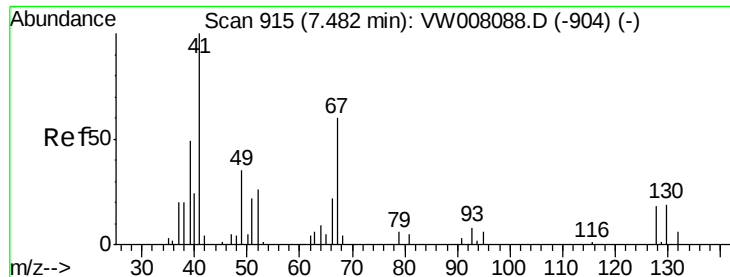
#38
 Carbon Tetrachloride
 Concen: 6.899 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008105.D
 Acq: 09 Jan 2019 16:10

Tgt Ion: 117 Resp: 2854
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.8 113.8#
 121 0.0 23.7 35.5#



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

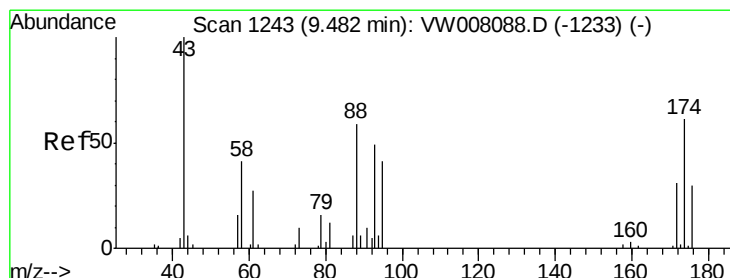
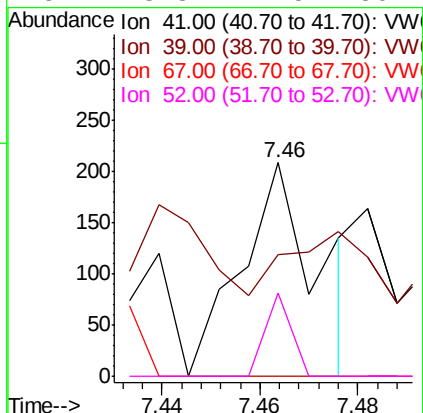
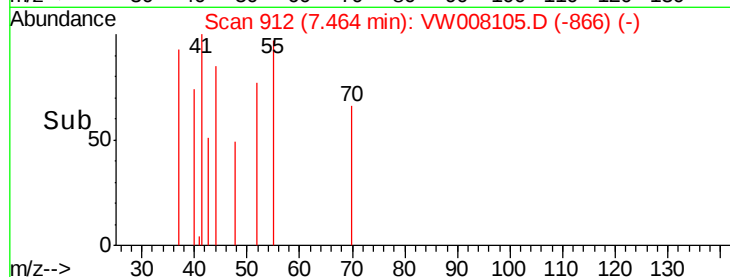
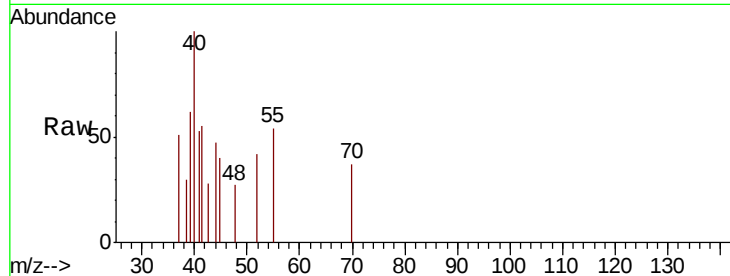




#41
Methacrylonitrile
Concen: 1.976 ug/l
RT: 7.46 min Scan# 912
Delta R.T. -0.02 min
Lab File: VW008105.D
Acq: 09 Jan 2019 16:10

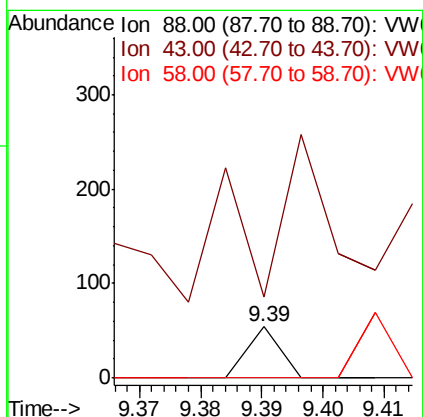
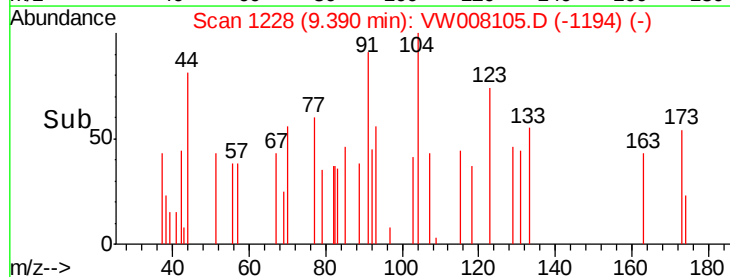
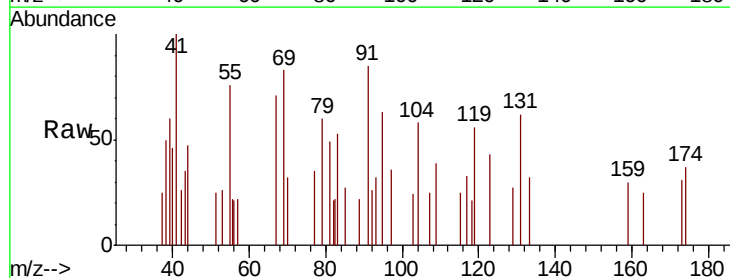
Instrument :
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BASIN-1RE

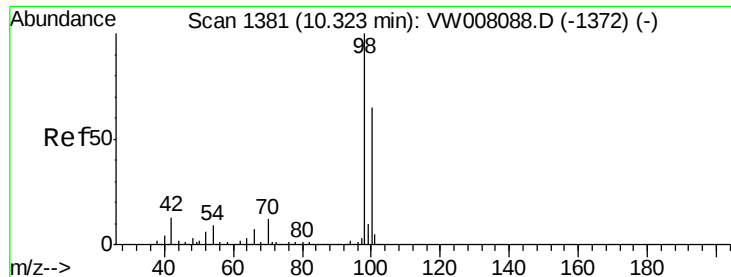
Tgt Ion: 41 Resp: 226
Ion Ratio Lower Upper
41 100
39 34.5 47.9 71.9#
67 0.0 56.3 84.5#
52 13.3 24.5 36.7#



#49
1,4-Dioxane
Concen: 8.331 ug/l
RT: 9.39 min Scan# 1228
Delta R.T. -0.09 min
Lab File: VW008105.D
Acq: 09 Jan 2019 16:10

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 755.0 0.0 0.0#
58 130.0 61.7 92.5#

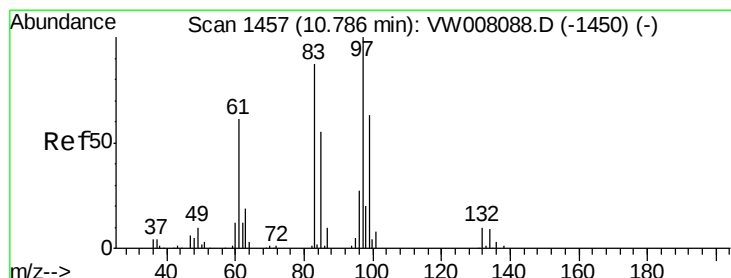
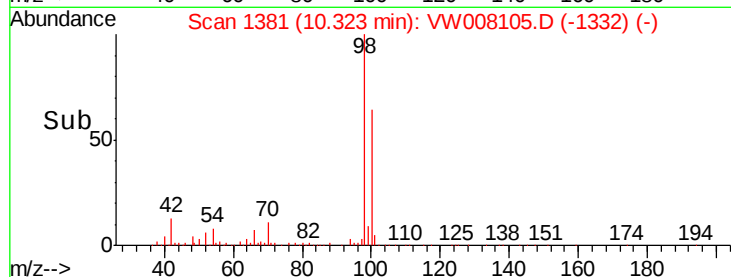
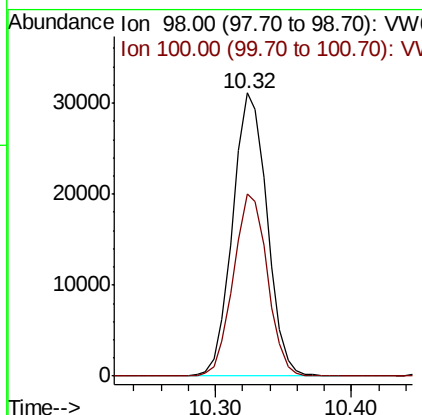
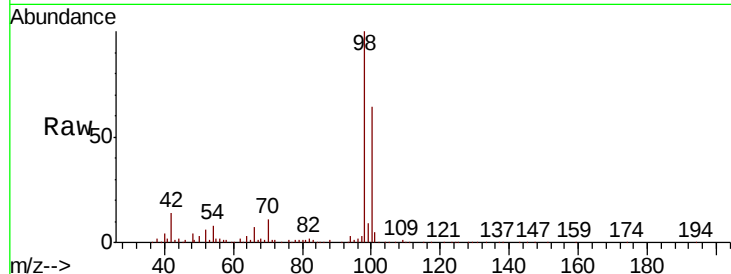




#50
Toluene-d8
Concen: 50.910 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008105.D
Acq: 09 Jan 2019 16:10

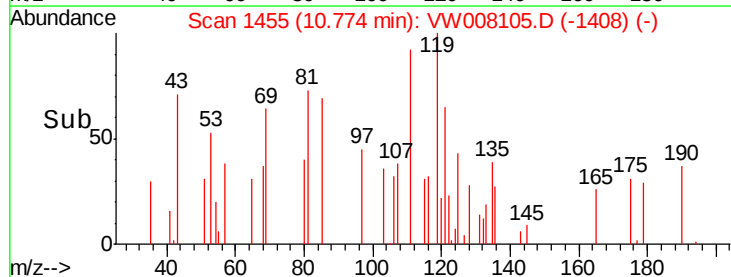
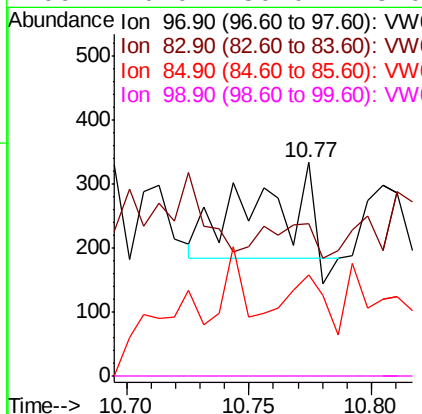
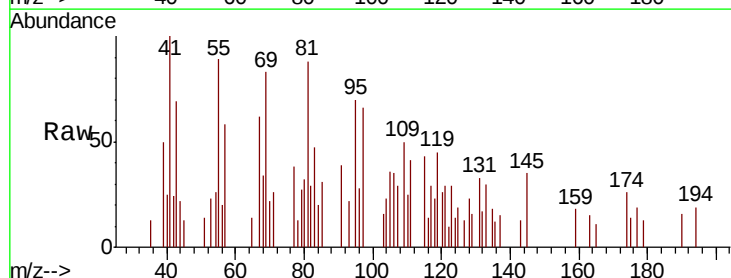
Instrument :
MSVOA_W
ClientSampleId :
BASIN-1RE

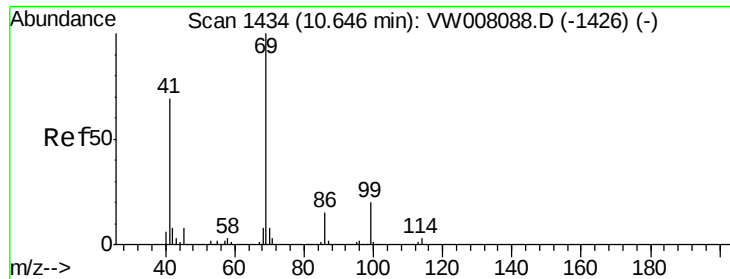
Tgt Ion: 98 Resp: 54674
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 1.059 ug/l
RT: 10.77 min Scan# 1455
Delta R.T. -0.01 min
Lab File: VW008105.D
Acq: 09 Jan 2019 16:10

Tgt Ion: 97 Resp: 222
Ion Ratio Lower Upper
97 100
83 28.2 69.3 103.9#
85 62.4 43.8 65.6
99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 1.017 ug/l

RT: 10.63 min Scan# 1431

Delta R.T. -0.02 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

BASIN-1RE

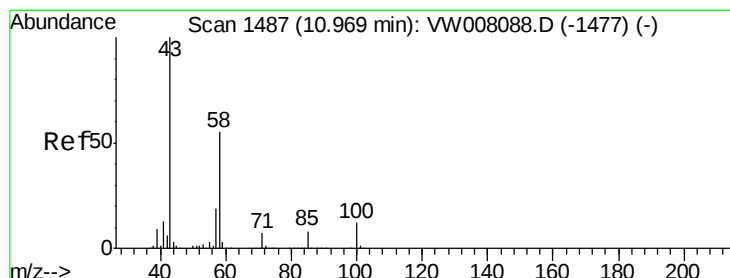
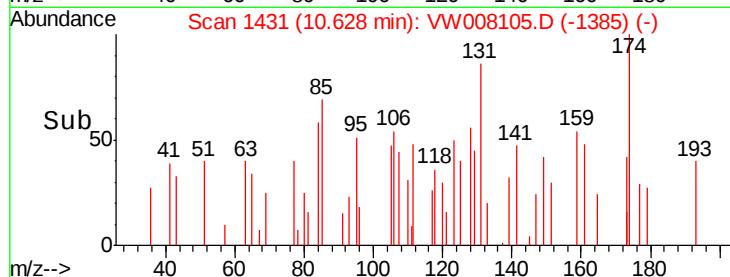
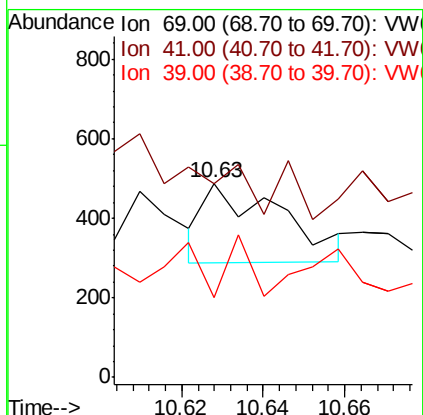
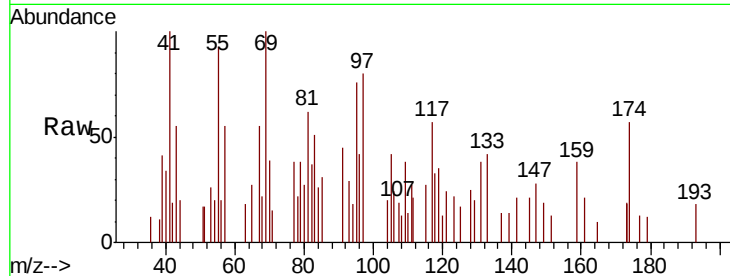
Tgt Ion: 69 Resp: 264

Ion Ratio Lower Upper

69 100

41 0.0 56.4 84.6#

39 51.9 28.1 42.1#



#59

2-Hexanone

Concen: 2.025 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW008105.D

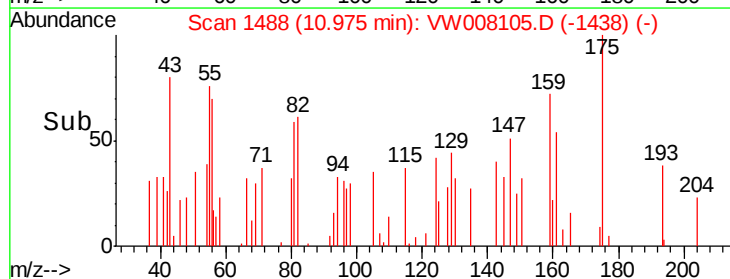
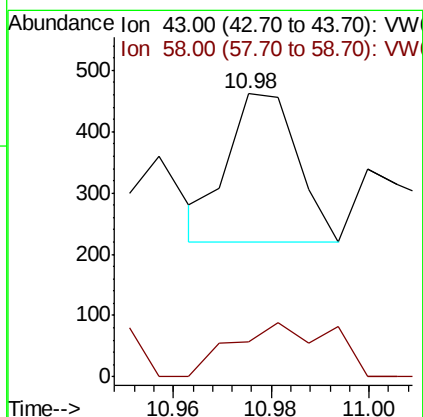
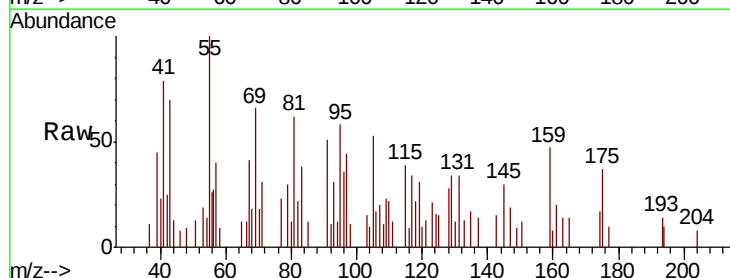
Acq: 09 Jan 2019 16:10

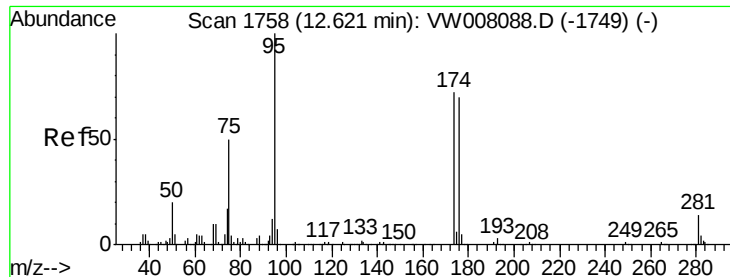
Tgt Ion: 43 Resp: 240

Ion Ratio Lower Upper

43 100

58 51.2 27.2 81.5





#62

4-Bromofluorobenzene

Concen: 48.610 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

BASIN-1RE

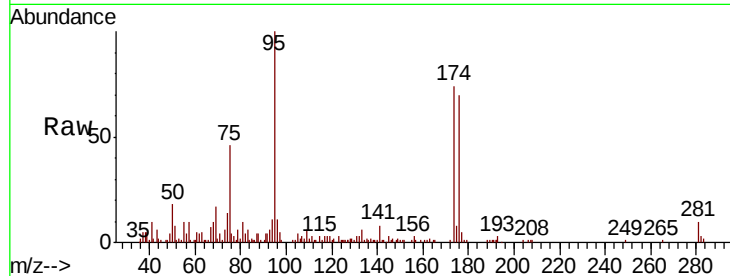
Tgt Ion: 95 Resp: 18715

Ion Ratio Lower Upper

95 100

174 73.6 0.0 143.0

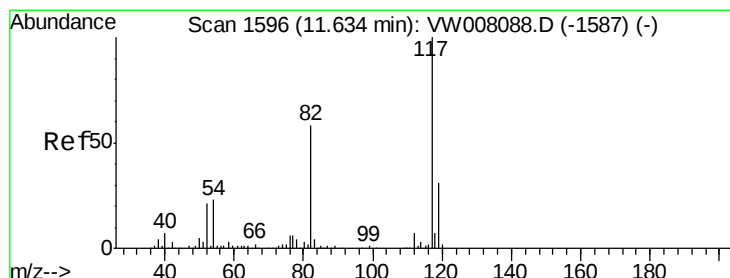
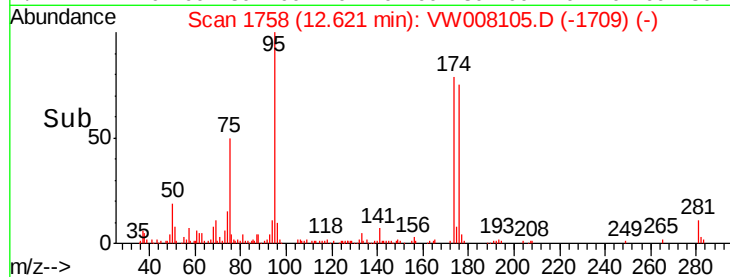
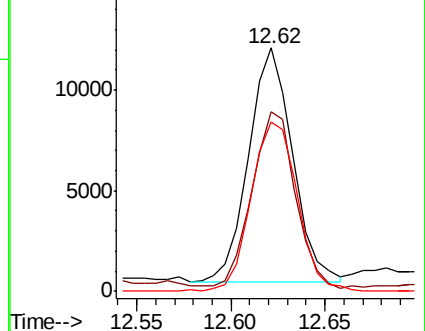
176 76.3 0.0 140.2



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. -0.00 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

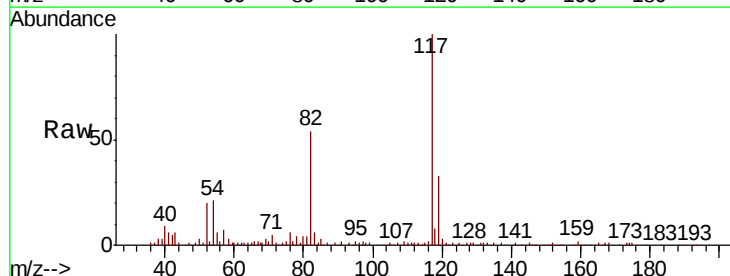
Tgt Ion: 117 Resp: 39123

Ion Ratio Lower Upper

117 100

82 54.0 46.4 69.6

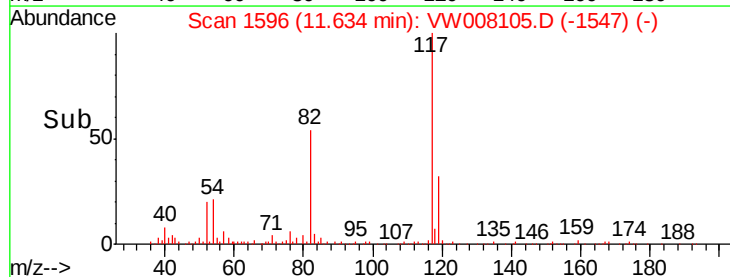
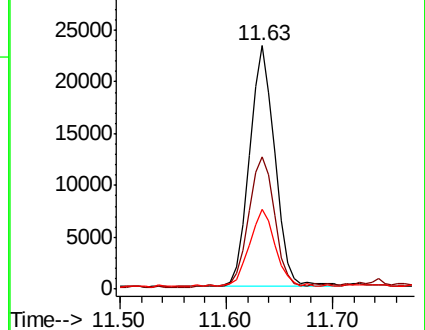
119 31.5 24.7 37.1

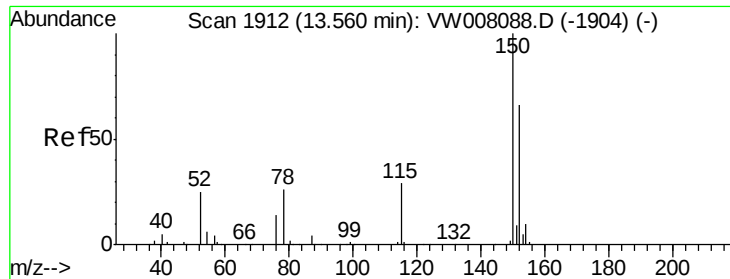


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

BASIN-1RE

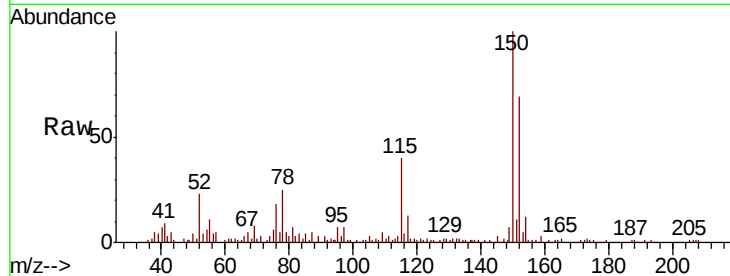
Tgt Ion: 152 Resp: 17233

Ion Ratio Lower Upper

152 100

115 59.8 30.8 92.4

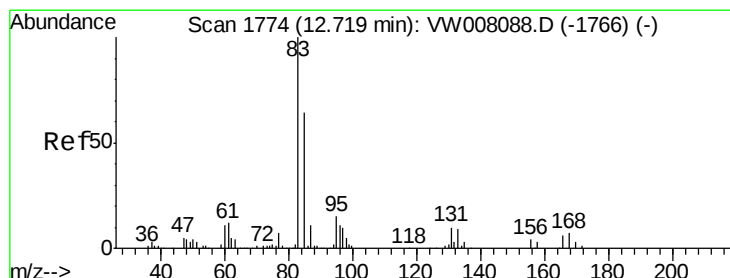
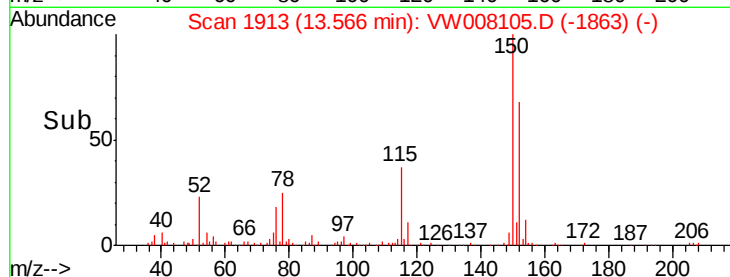
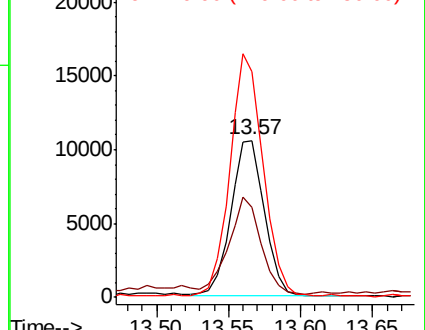
150 152.9 0.0 350.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 4.752 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

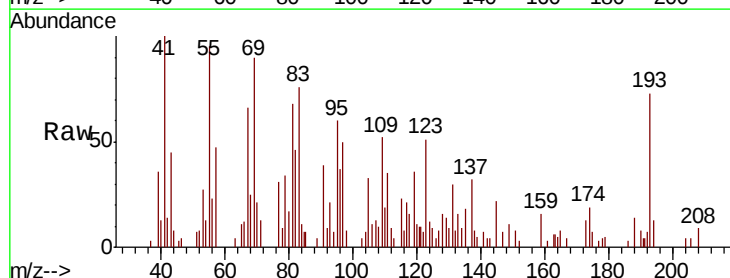
Tgt Ion: 83 Resp: 1029

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

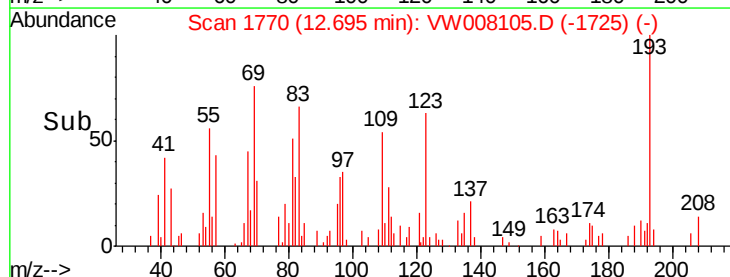
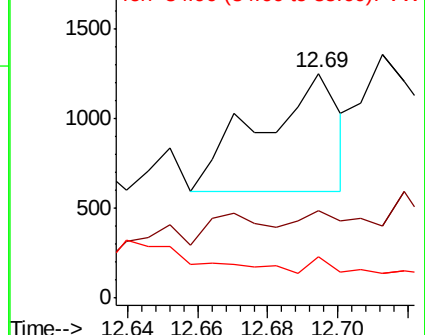
85 0.0 32.4 97.2#

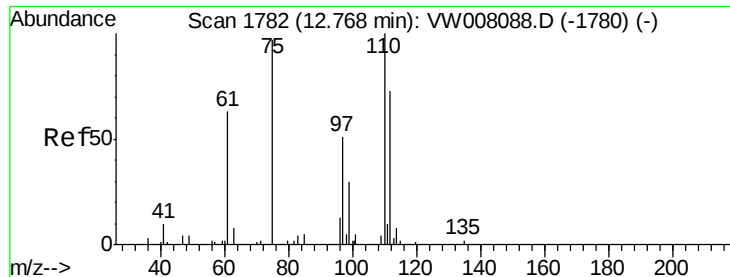


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

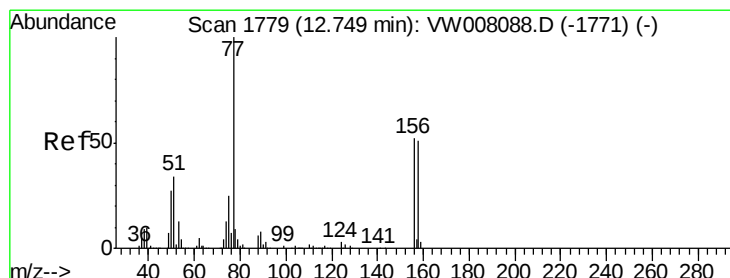
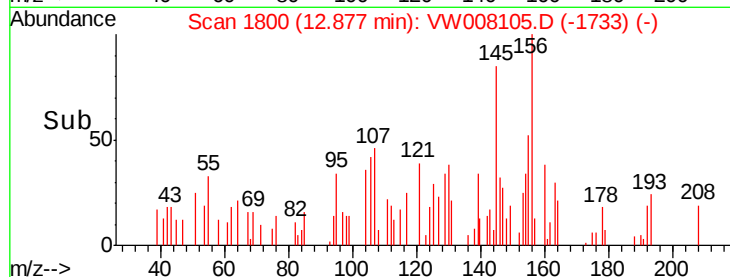
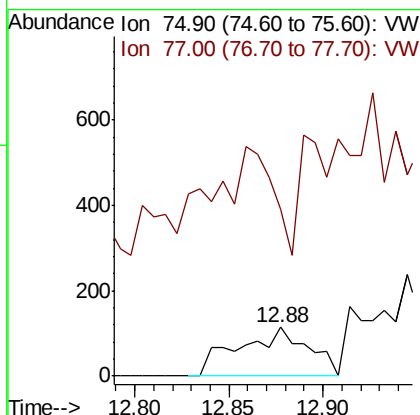
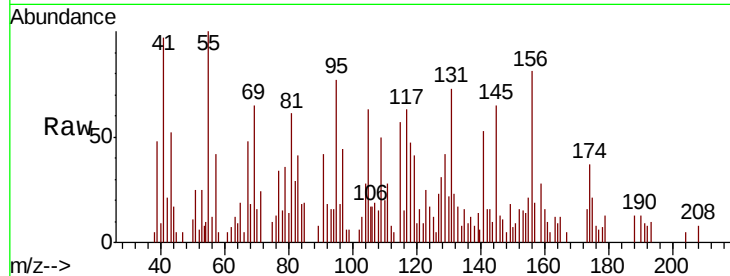




#76
 1,2,3-Trichloropropane
 Concen: 1.852 ug/l
 RT: 12.88 min Scan# 1800
 Delta R.T. 0.11 min
 Lab File: VW008105.D
 Acq: 09 Jan 2019 16:10

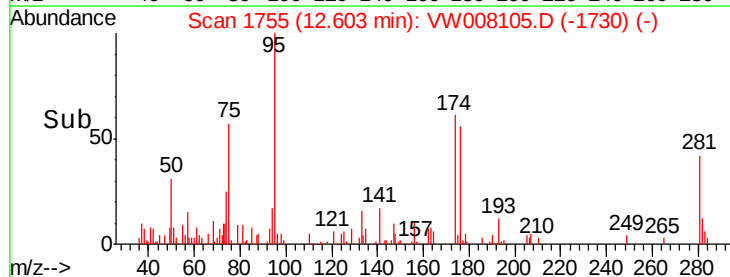
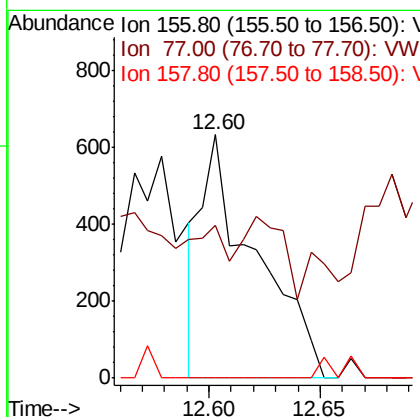
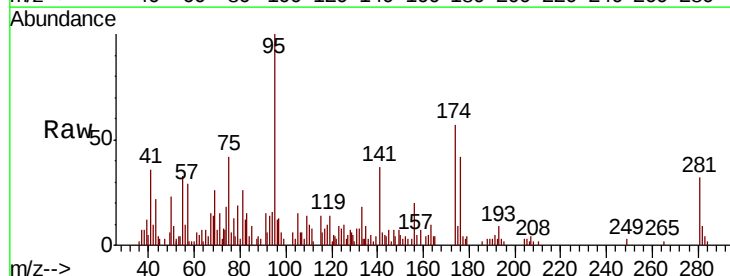
Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-1RE

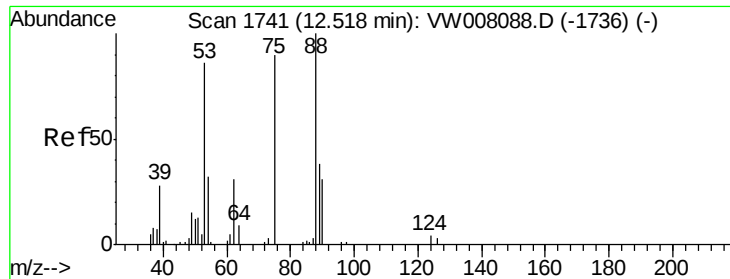
Tgt Ion: 75 Resp: 291
 Ion Ratio Lower Upper
 75 100
 77 91.4 179.4 538.2#



#77
 Bromobenzene
 Concen: 3.704 ug/l
 RT: 12.60 min Scan# 1755
 Delta R.T. -0.15 min
 Lab File: VW008105.D
 Acq: 09 Jan 2019 16:10

Tgt Ion: 156 Resp: 1059
 Ion Ratio Lower Upper
 156 100
 77 25.8 104.2 312.5#
 158 0.0 47.9 143.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 4.921 ug/l

RT: 12.52 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

BASIN-1RE

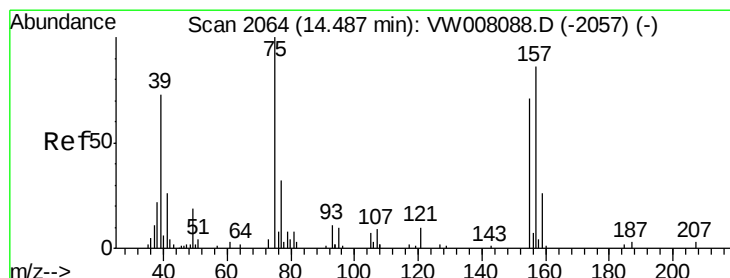
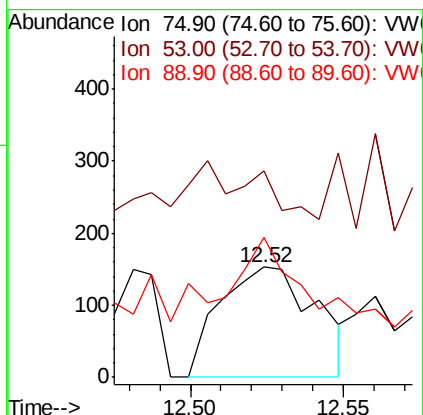
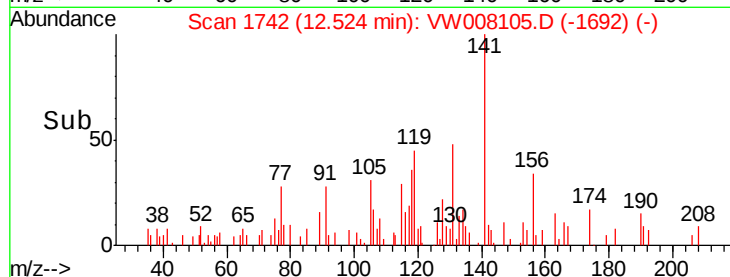
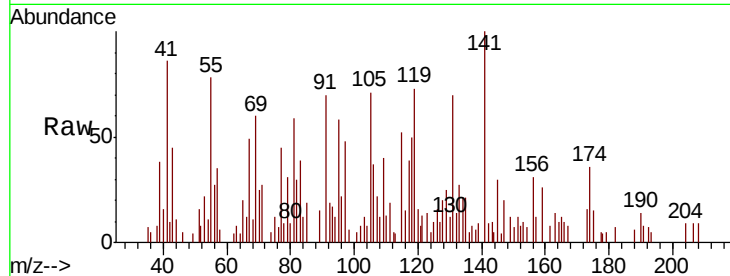
Tgt Ion: 75 Resp: 332

Ion Ratio Lower Upper

75 100

53 49.7 78.8 118.2#

89 53.6 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.607 ug/l

RT: 14.47 min Scan# 2062

Delta R.T. -0.01 min

Lab File: VW008105.D

Acq: 09 Jan 2019 16:10

Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

155 85.7 38.6 115.7

157 0.0 47.5 142.6#

