

Data File : VW008153.D
Acq On : 10 Jan 2019 17:15
Operator : SY/AP
Sample : K1075-20
Misc : 3.70G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BASIN-10

Quant Time: Jan 11 05:12:25 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	56023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	41743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	39550	62.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.62%	
35) Dibromofluoromethane	7.88	113	35433	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
50) Toluene-d8	10.33	98	145572	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	46010	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

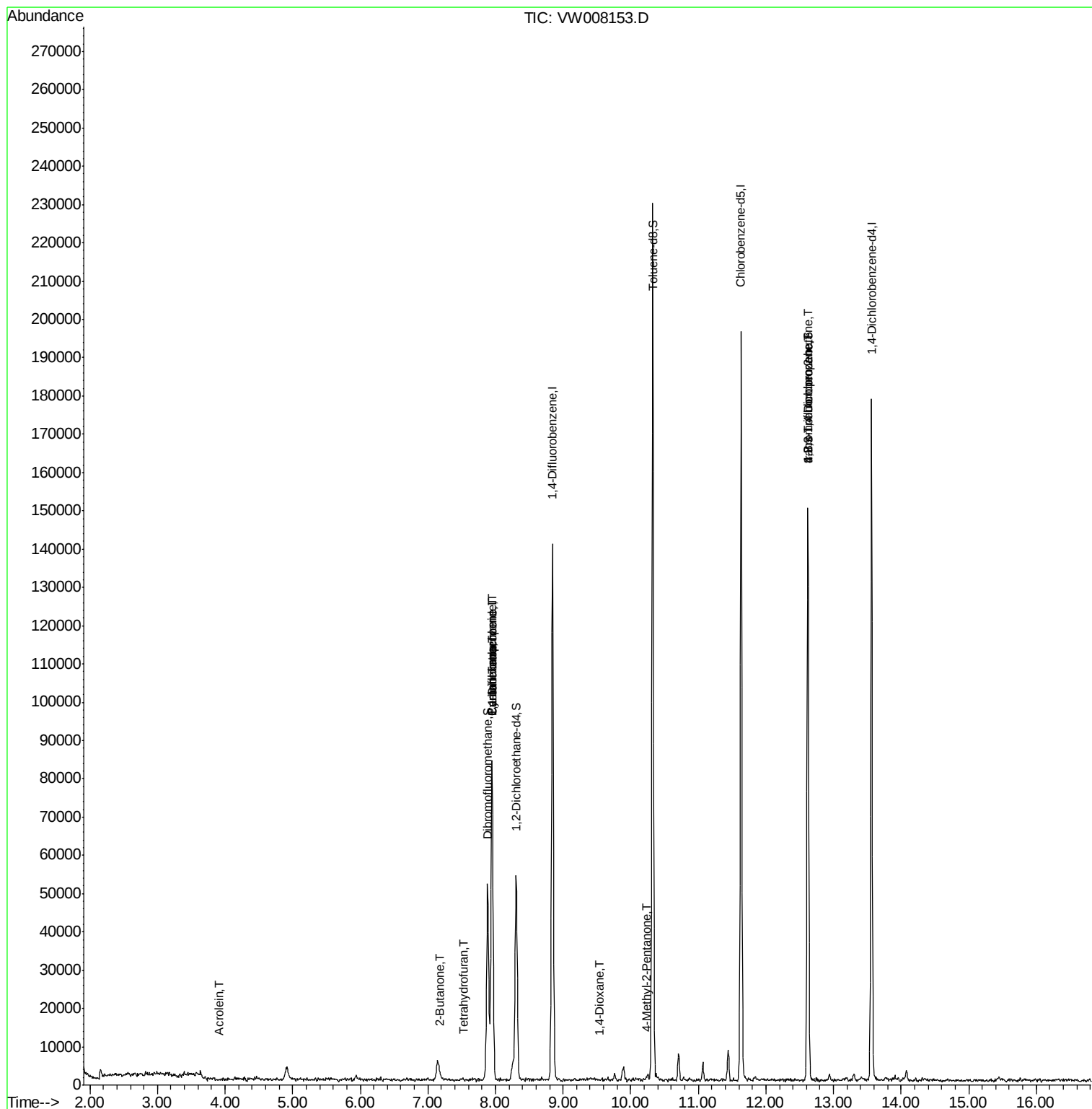
						Qvalue
11) Tert butyl alcohol	5.26	59	85	Below Cal	#	100
13) Acrolein	3.92	56	197	3.222	ug/l #	33
16) Acetone	4.15	43	1146	Below Cal	#	83
20) Methylene Chloride	4.90	84	2338	Below Cal		95
25) 2-Butanone	7.18	43	284	1.621	ug/l #	49
29) Tetrahydrofuran	7.54	42	120	1.025	ug/l #	35
31) Cyclohexane	7.95	56	1629	1.229	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	5705	4.988	ug/l #	51
38) Carbon Tetrachloride	7.95	117	6758	6.455	ug/l #	17
49) 1,4-Dioxane	9.55	88	45	7.407	ug/l #	67
51) 4-Methyl-2-Pentanone	10.23	43	786	1.772	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	25162	66.123	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	25162	153.980	ug/l #	11

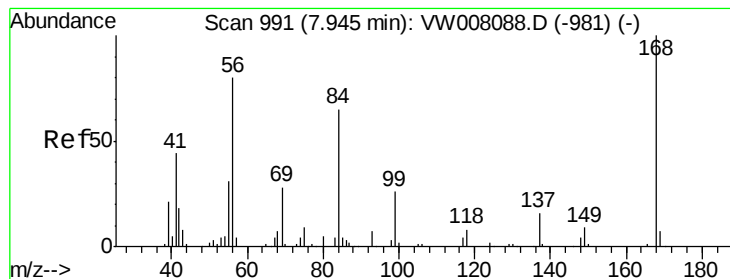
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

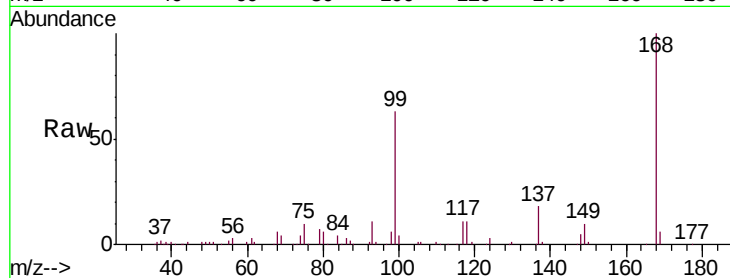
BASIN-10

Tgt Ion:168 Resp: 56023

Ion Ratio Lower Upper

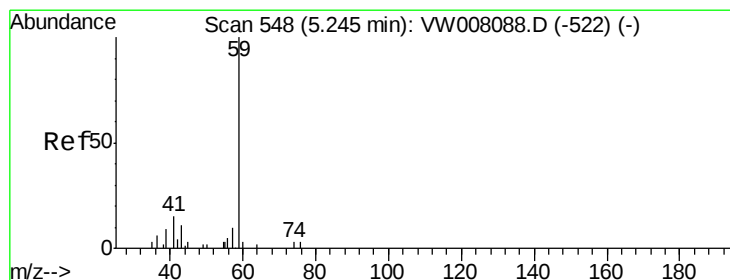
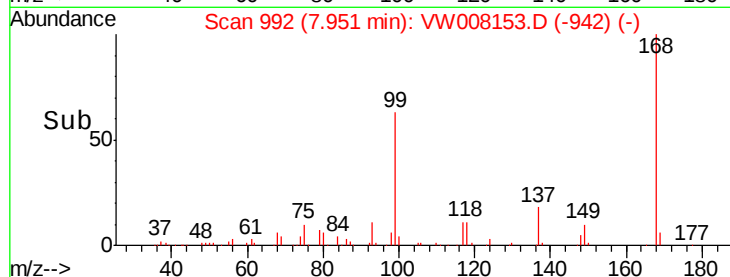
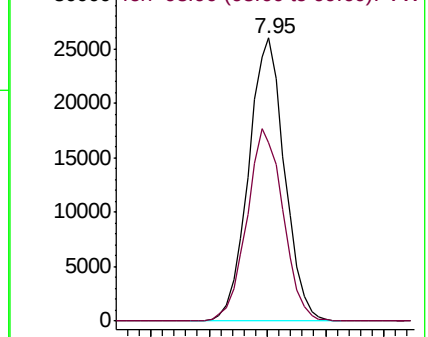
168 100

99 62.8 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: 5.26 min Scan# 551

Delta R.T. 0.02 min

Lab File: VW008153.D

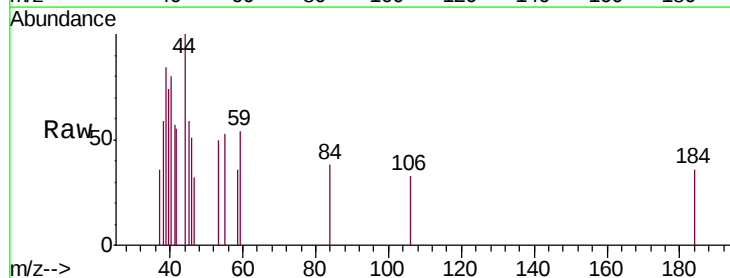
Acq: 10 Jan 2019 17:15

Tgt Ion: 59 Resp: 85

Ion Ratio Lower Upper

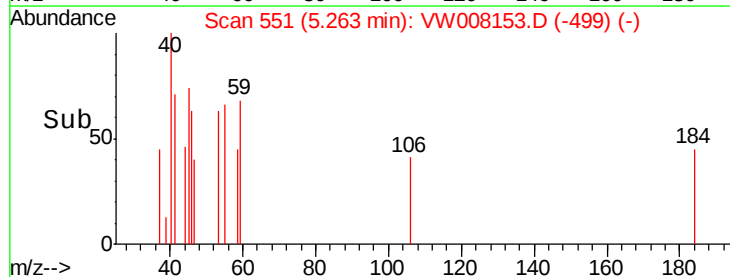
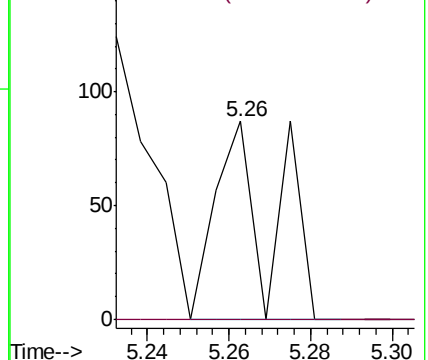
59 100

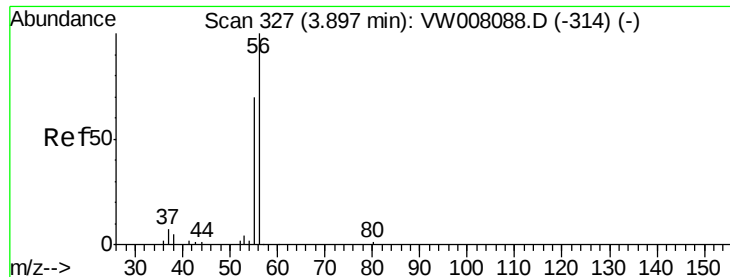
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.222 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampled :

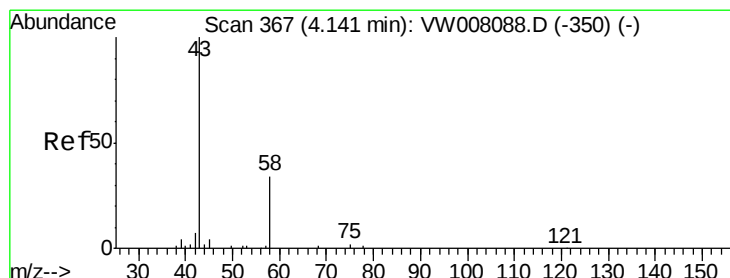
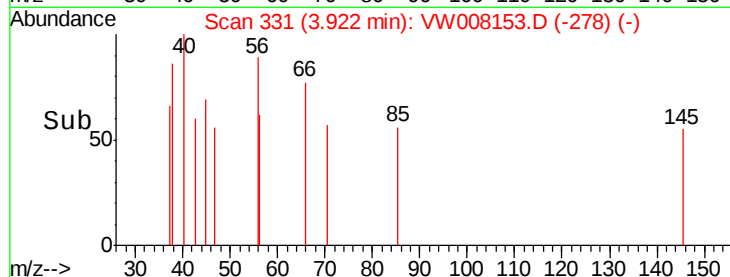
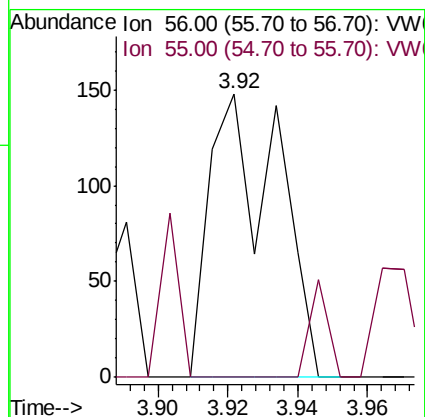
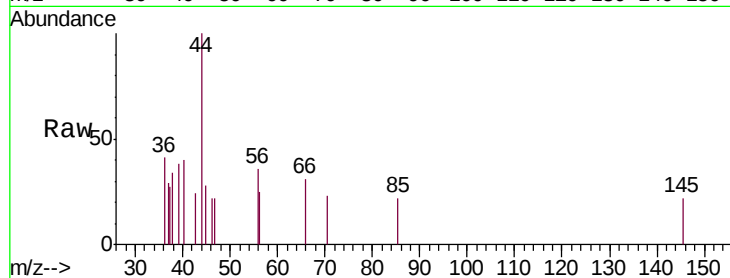
BASIN-10

Tgt Ion: 56 Resp: 197

Ion Ratio Lower Upper

56 100

55 15.7 56.6 84.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW008153.D

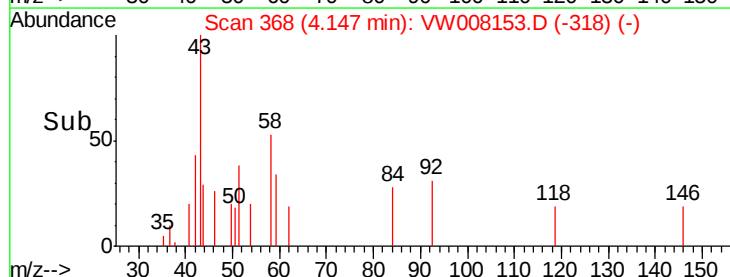
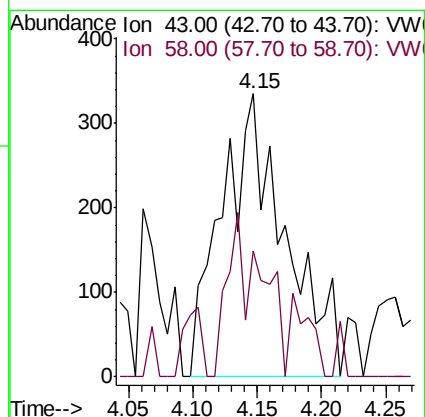
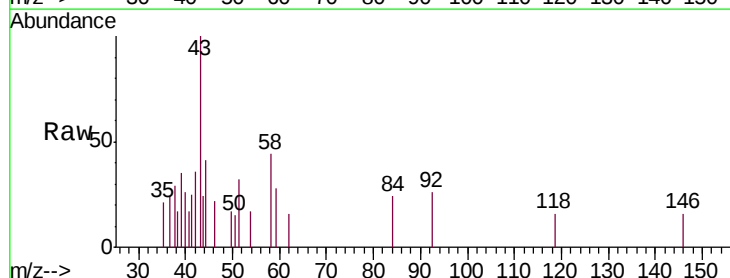
Acq: 10 Jan 2019 17:15

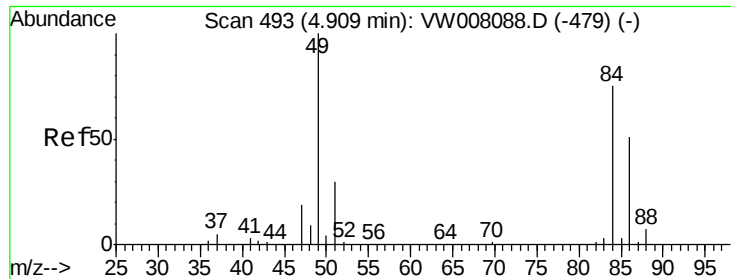
Tgt Ion: 43 Resp: 1146

Ion Ratio Lower Upper

43 100

58 24.8 27.5 41.3#

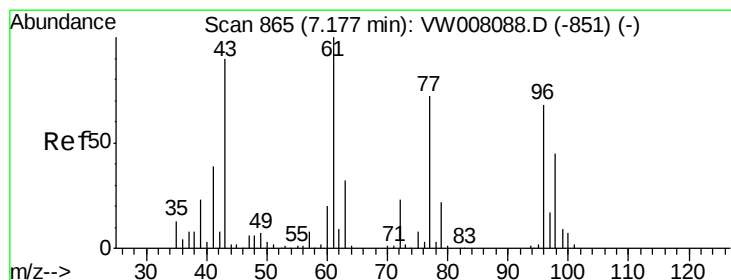
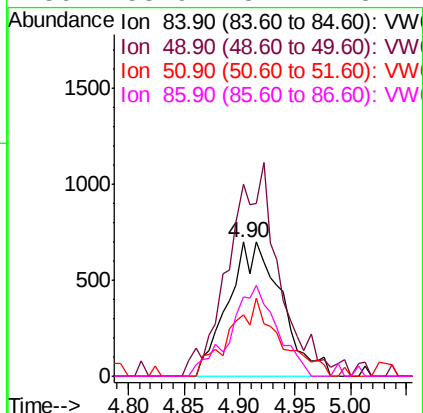
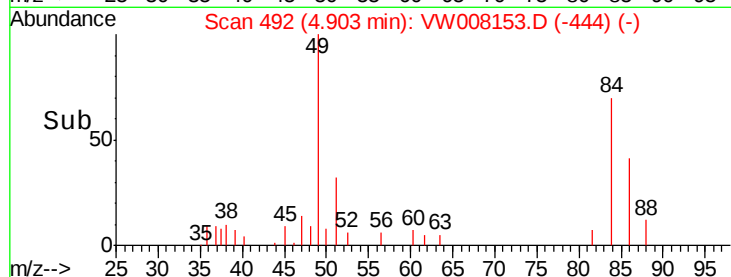
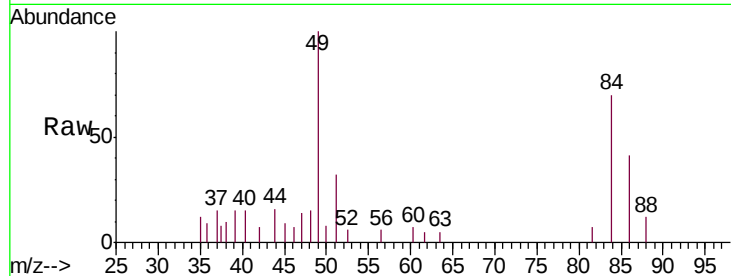




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008153.D
Acq: 10 Jan 2019 17:15

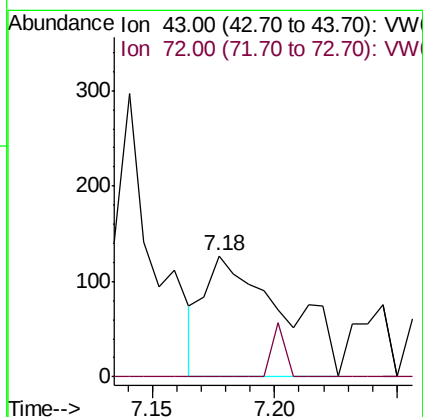
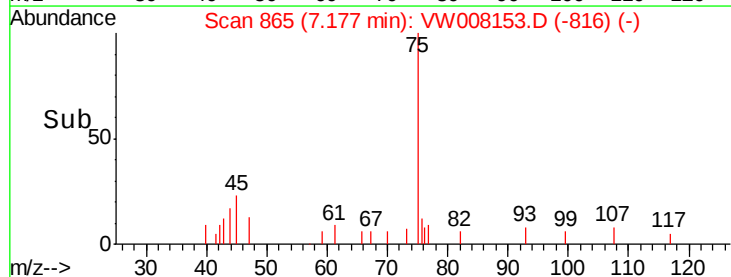
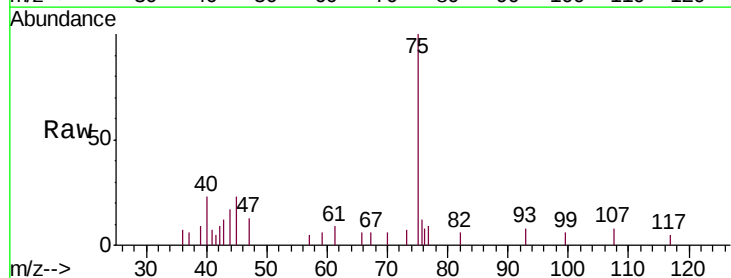
Instrument :
MSVOA_W
ClientSampleId :
BASIN-10

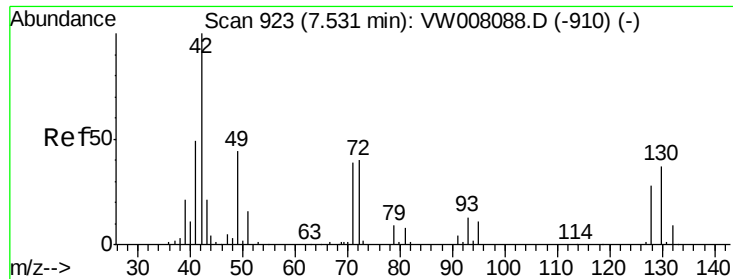
Tgt Ion: 84 Resp: 2338
Ion Ratio Lower Upper
84 100
49 133.6 107.1 160.7
51 45.8 32.4 48.6
86 58.9 54.2 81.4



#25
2-Butanone
Concen: 1.621 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW008153.D
Acq: 10 Jan 2019 17:15

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

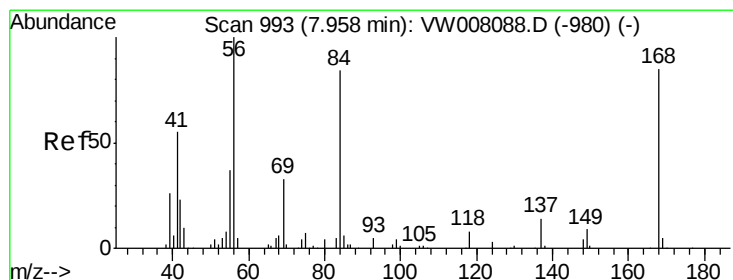
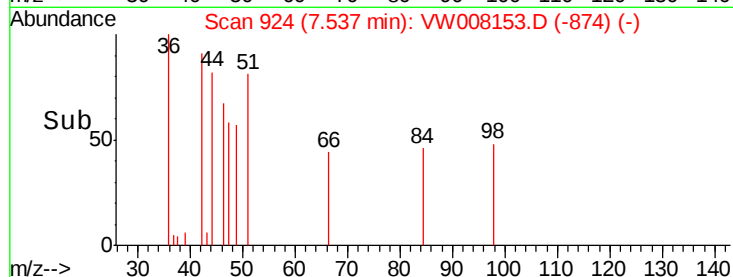
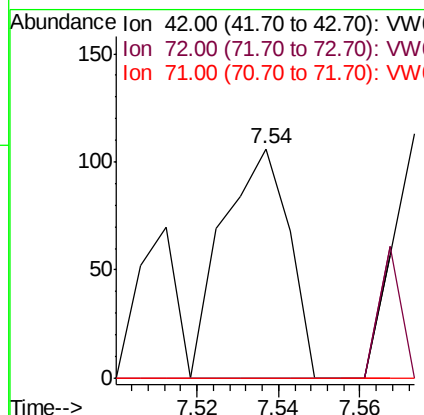
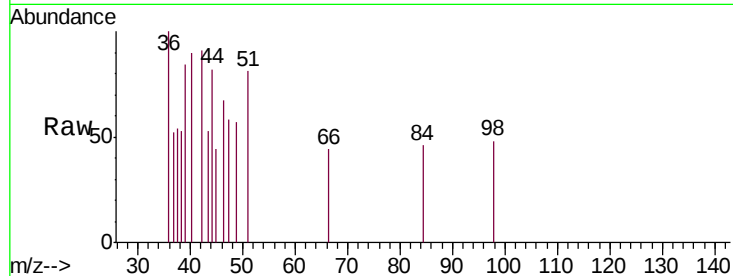




#29
Tetrahydrofuran
Concen: 1.025 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008153.D
Acq: 10 Jan 2019 17:15

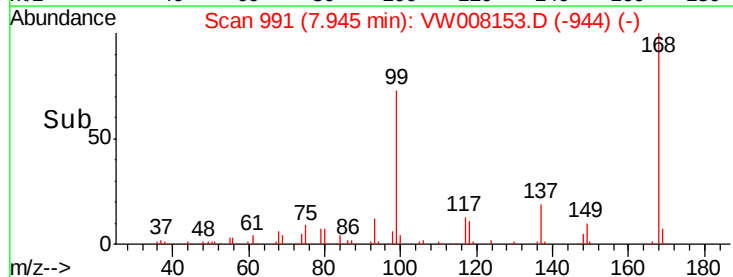
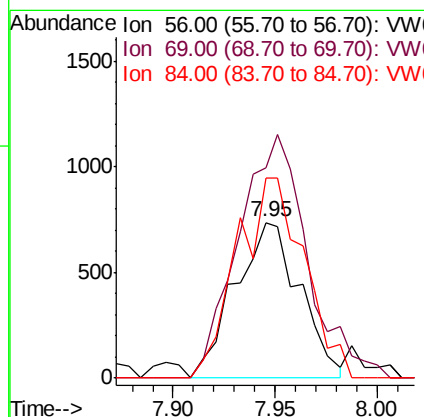
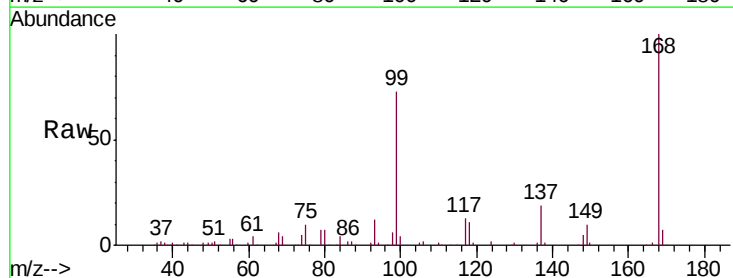
Instrument :
MSVOA_W
ClientSampled :
BASIN-10

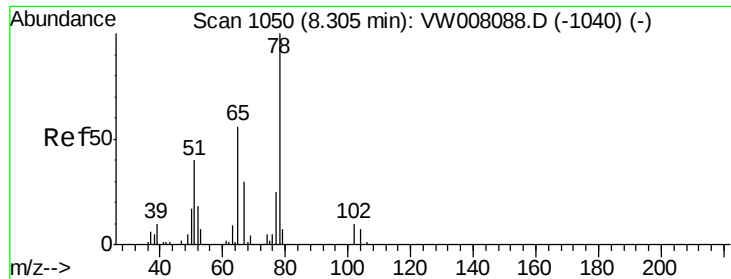
Tgt Ion: 42 Resp: 120
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008153.D
Acq: 10 Jan 2019 17:15

Tgt Ion: 56 Resp: 1629
Ion Ratio Lower Upper
56 100
69 135.6 26.2 39.4#
84 121.0 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 62.813 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

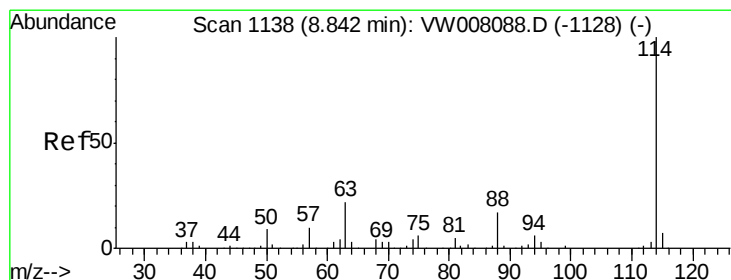
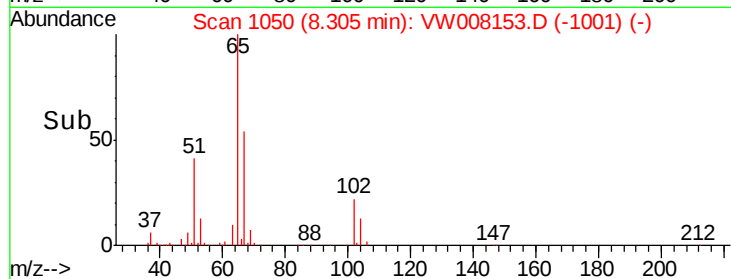
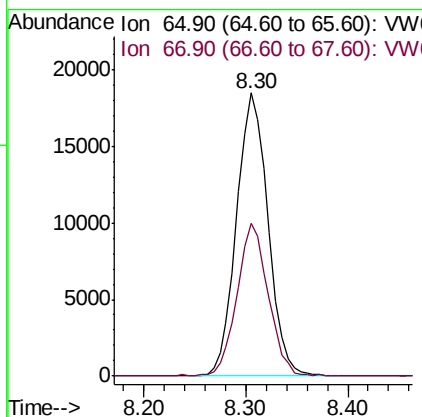
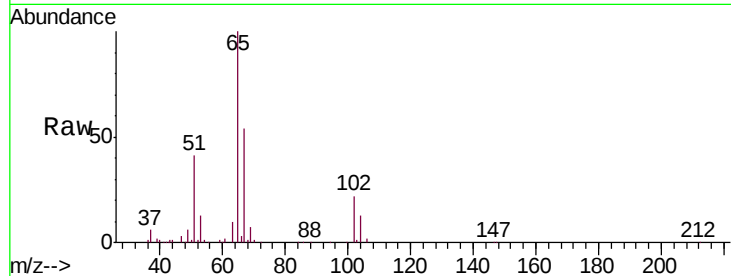
BASIN-10

Tgt Ion: 65 Resp: 39550

Ion Ratio Lower Upper

65 100

67 53.3 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: VW008153.D

Acq: 10 Jan 2019 17:15

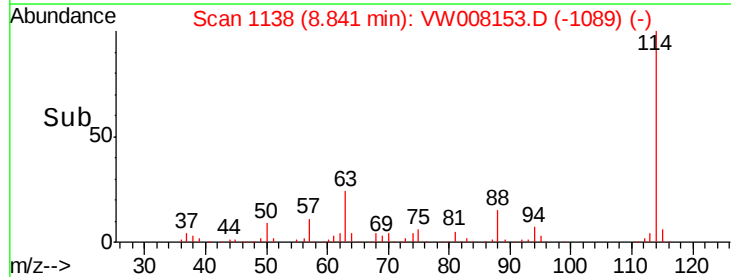
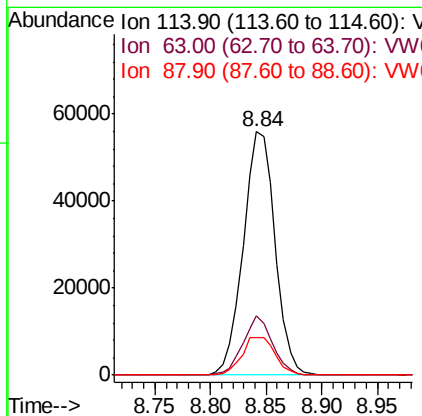
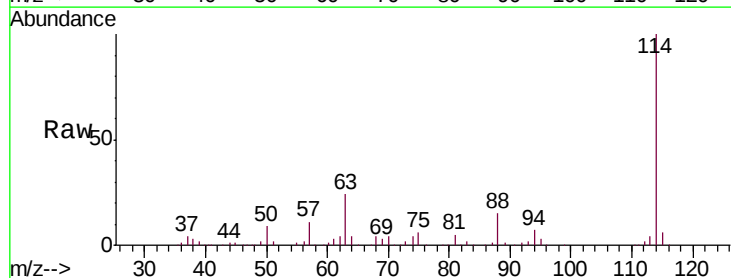
Tgt Ion: 114 Resp: 111035

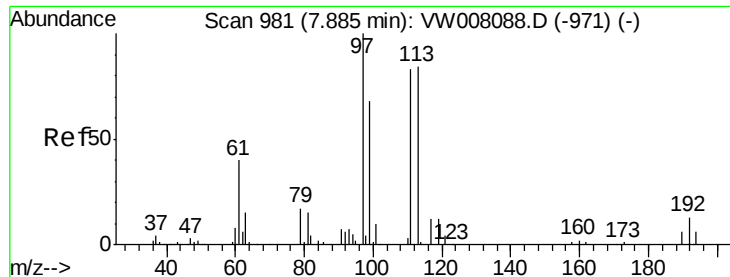
Ion Ratio Lower Upper

114 100

63 24.4 0.0 43.4

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.714 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

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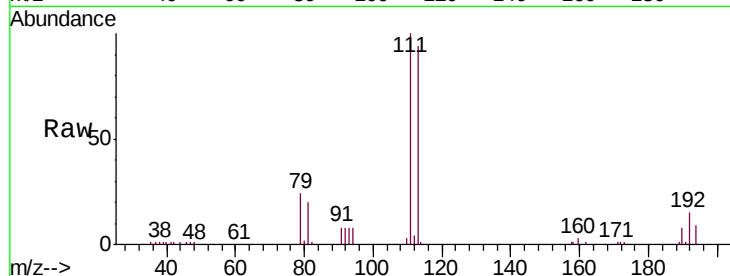
Tgt Ion:113 Resp: 35433

Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

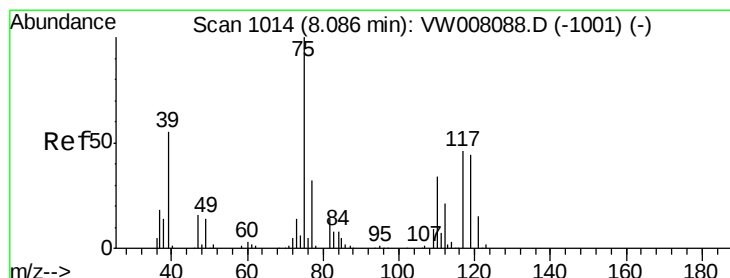
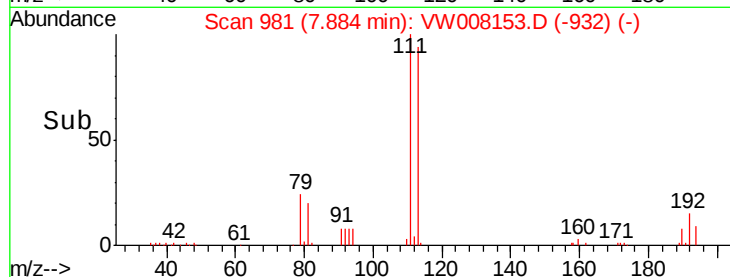
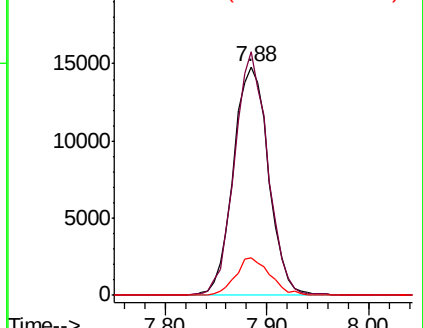
192 16.1 12.8 19.2



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: 4.988 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

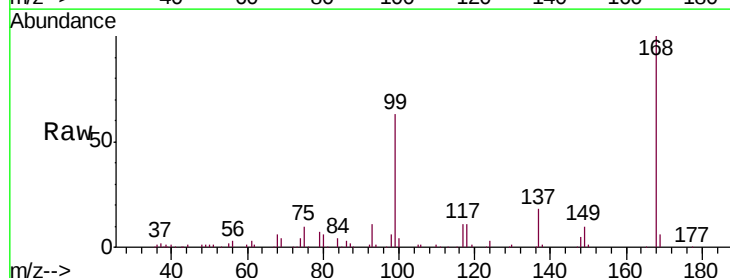
Tgt Ion: 75 Resp: 5705

Ion Ratio Lower Upper

75 100

110 10.3 17.1 51.3#

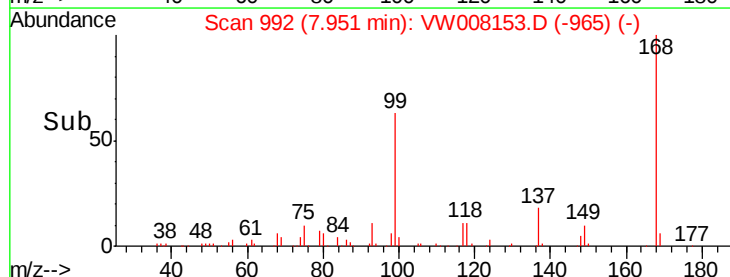
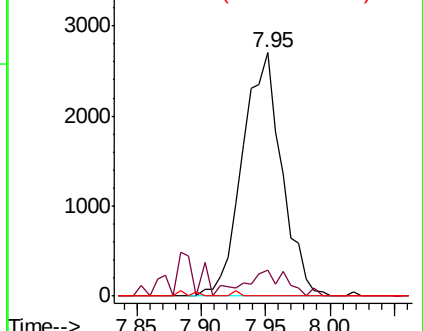
77 0.0 25.5 38.3#

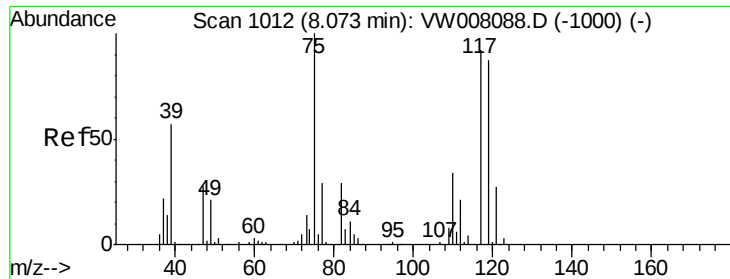


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

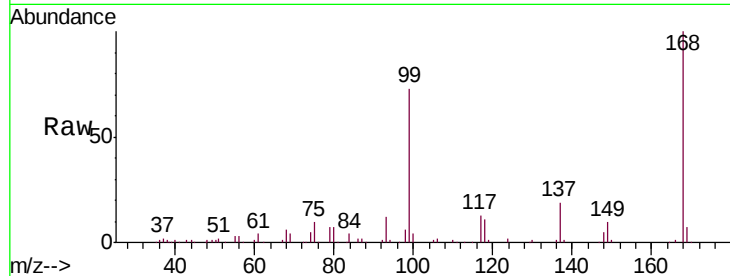




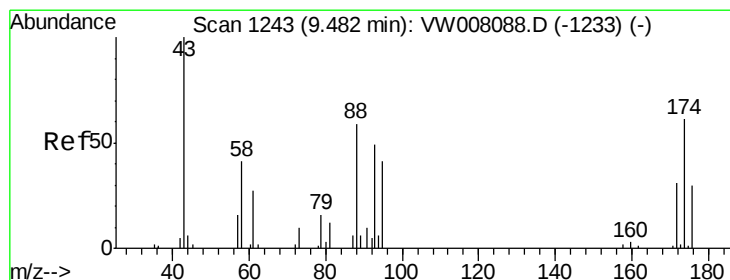
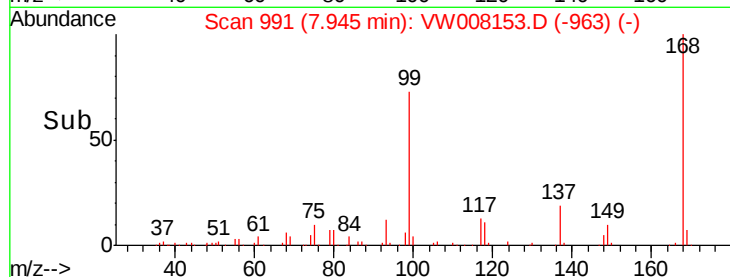
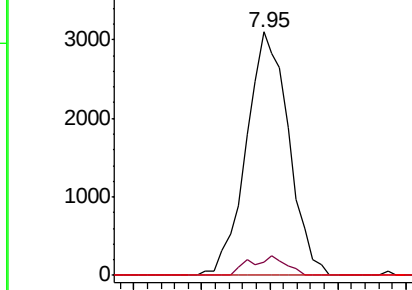
#38
Carbon Tetrachloride
Concen: 6.455 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008153.D
Acq: 10 Jan 2019 17:15

Instrument :
MSVOA_W
ClientSampleId :
BASIN-10

Tgt Ion:117 Resp: 6758
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 23.7 35.5#

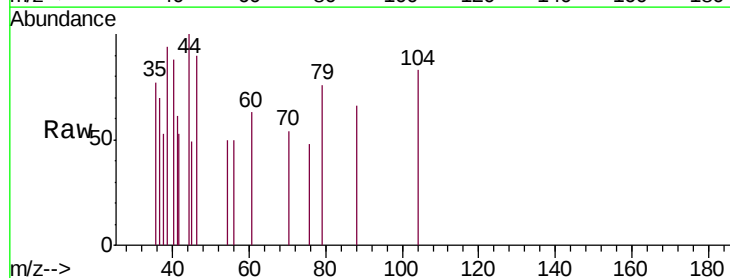


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

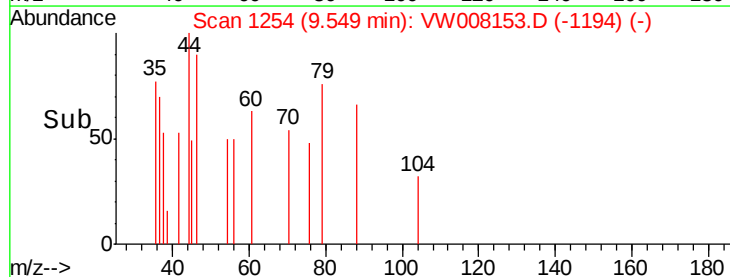
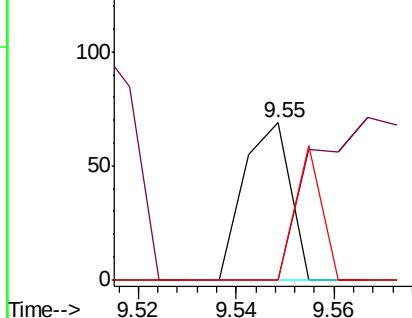


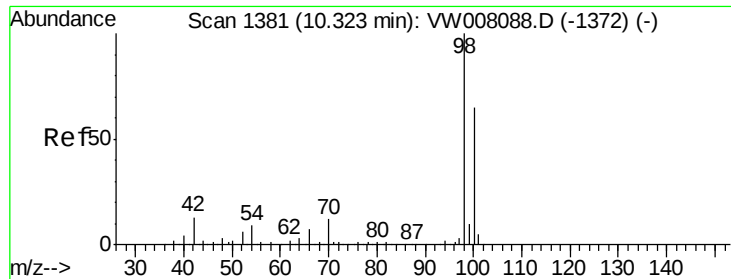
#49
1,4-Dioxane
Concen: 7.407 ug/l
RT: 9.55 min Scan# 1254
Delta R.T. 0.07 min
Lab File: VW008153.D
Acq: 10 Jan 2019 17:15

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 48.9 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.567 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

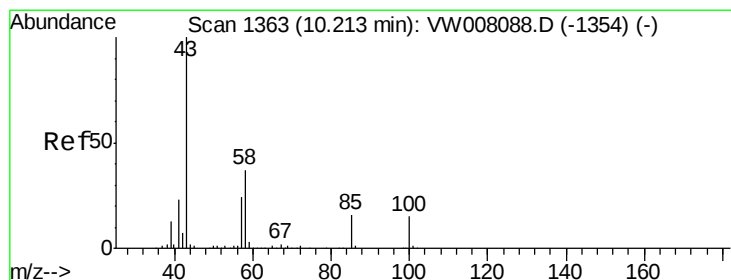
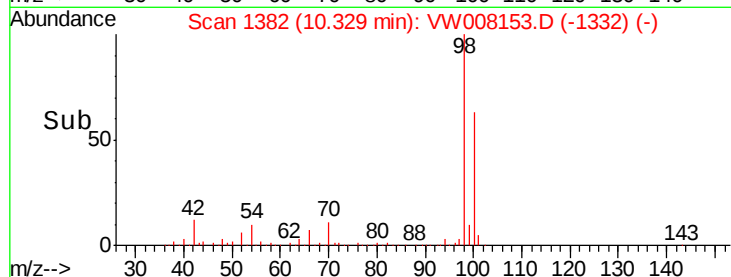
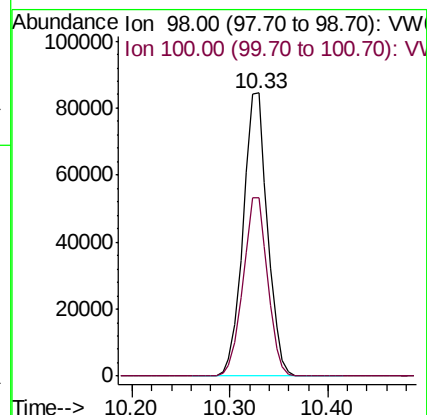
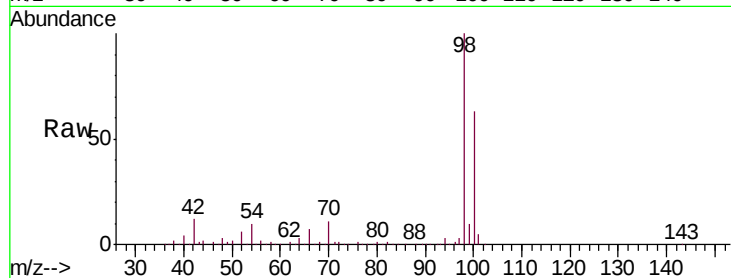
BASIN-10

Tgt Ion: 98 Resp: 145572

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.772 ug/l

RT: 10.23 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VW008153.D

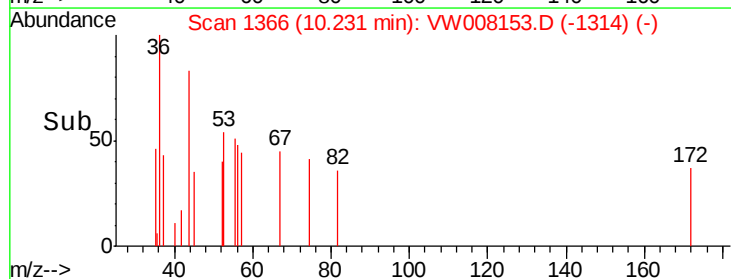
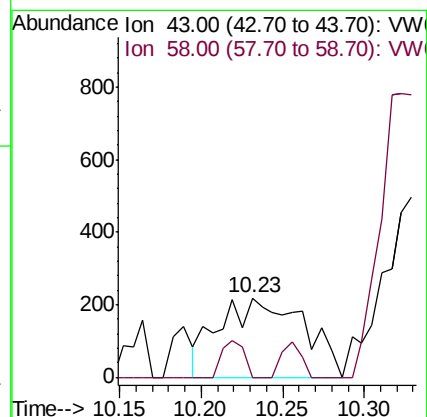
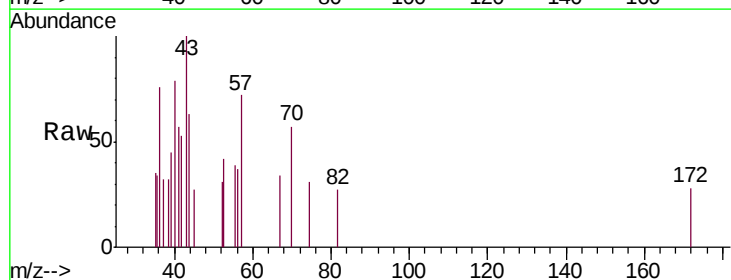
Acq: 10 Jan 2019 17:15

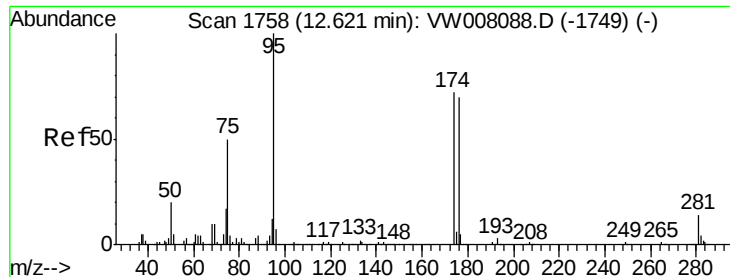
Tgt Ion: 43 Resp: 786

Ion Ratio Lower Upper

43 100

58 12.3 30.6 46.0#





#62

4-Bromofluorobenzene

Concen: 47.226 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

BASIN-10

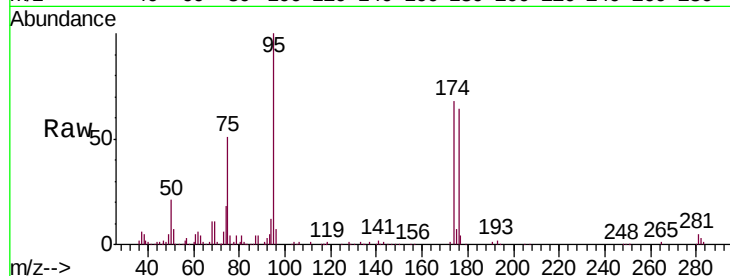
Tgt Ion: 95 Resp: 46010

Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.0

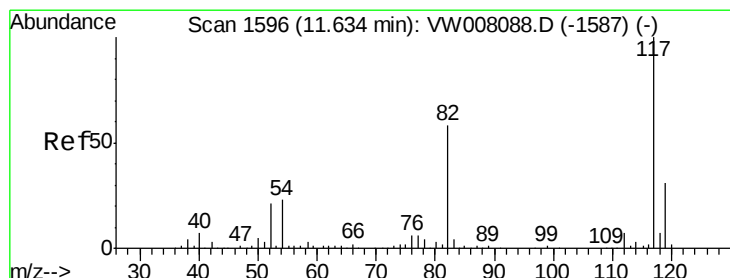
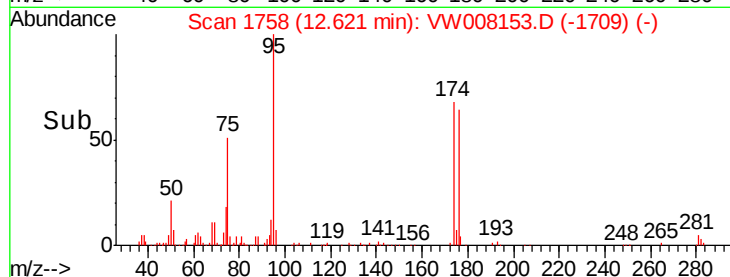
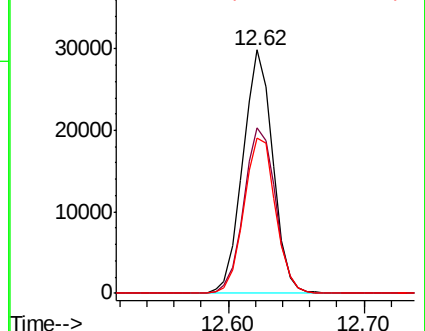
176 67.3 0.0 140.2



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: VW008153.D

Acq: 10 Jan 2019 17:15

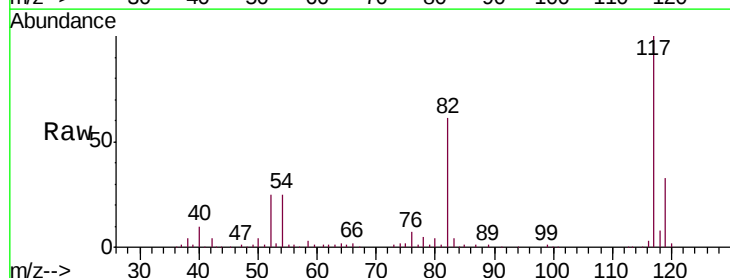
Tgt Ion: 117 Resp: 98894

Ion Ratio Lower Upper

117 100

82 60.8 46.4 69.6

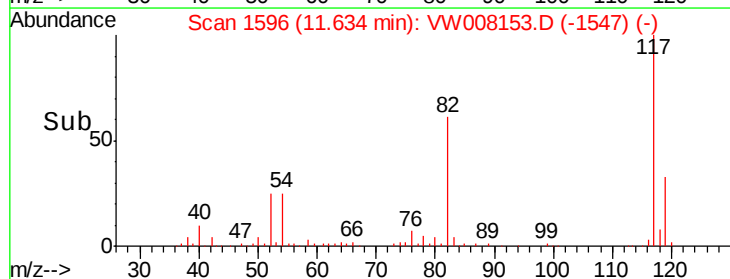
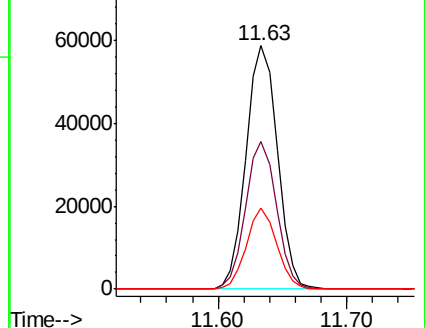
119 33.0 24.7 37.1

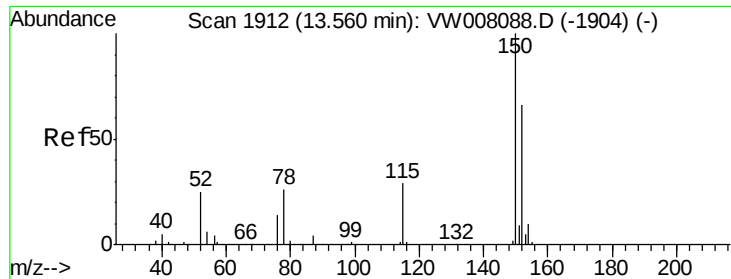


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampled :

BASIN-10

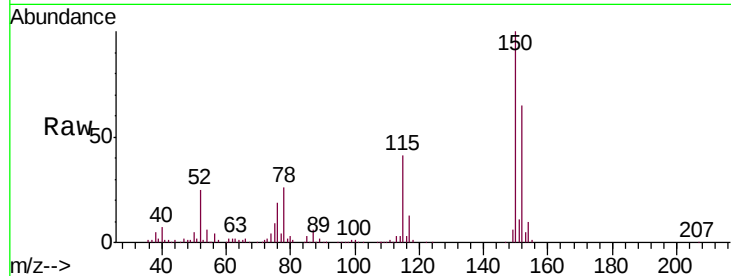
Tgt Ion:152 Resp: 41743

Ion Ratio Lower Upper

152 100

115 64.0 30.8 92.4

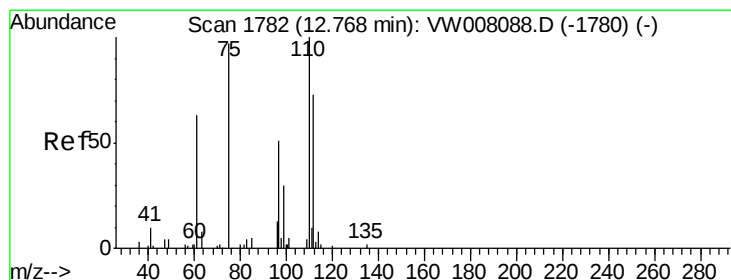
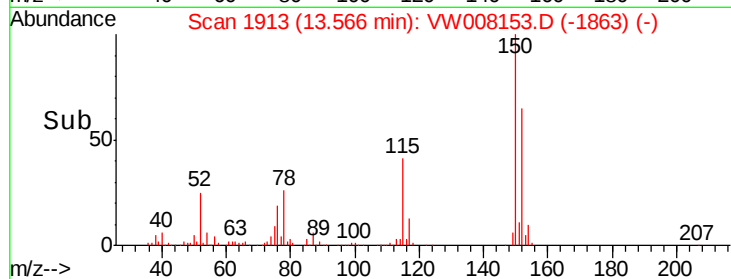
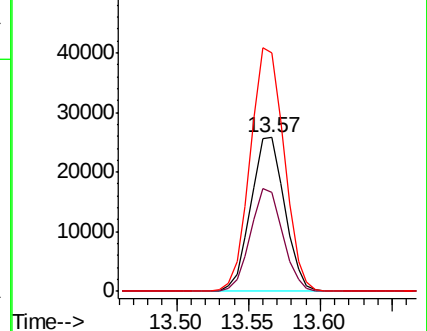
150 158.7 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 66.123 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008153.D

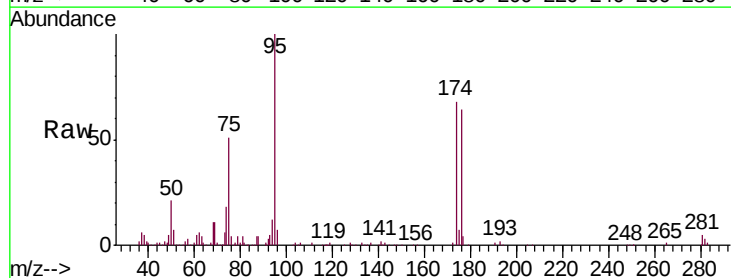
Acq: 10 Jan 2019 17:15

Tgt Ion: 75 Resp: 25162

Ion Ratio Lower Upper

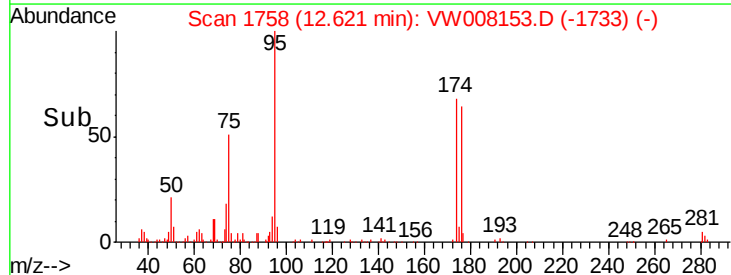
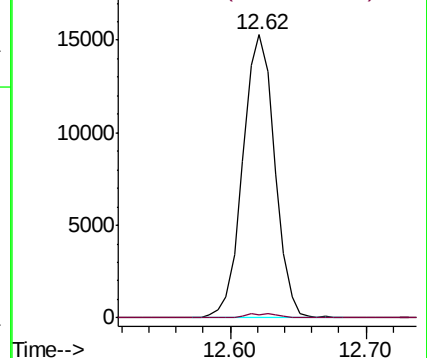
75 100

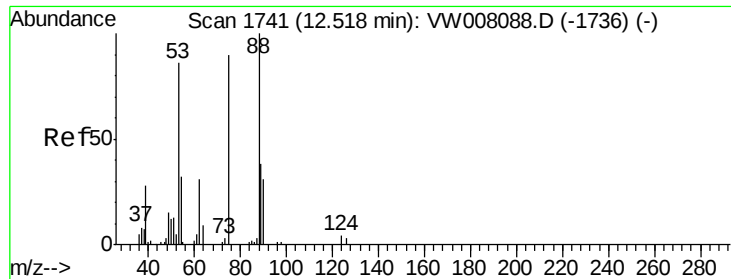
77 1.6 179.4 538.2#



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: 153.980 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008153.D

Acq: 10 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

BASIN-10

Tgt Ion: 75 Resp: 25162

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.1 35.4 53.2#

