

Data File : VW008148.D
Acq On : 10 Jan 2019 15:01
Operator : SY/AP
Sample : K1075-10
Misc : 4.61G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BASIN-5

Quant Time: Jan 11 05:10:49 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	45526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	85379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	77741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	32130	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	30404	59.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.84%	
35) Dibromofluoromethane	7.88	113	27271	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
50) Toluene-d8	10.32	98	111657	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.62	95	35473	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

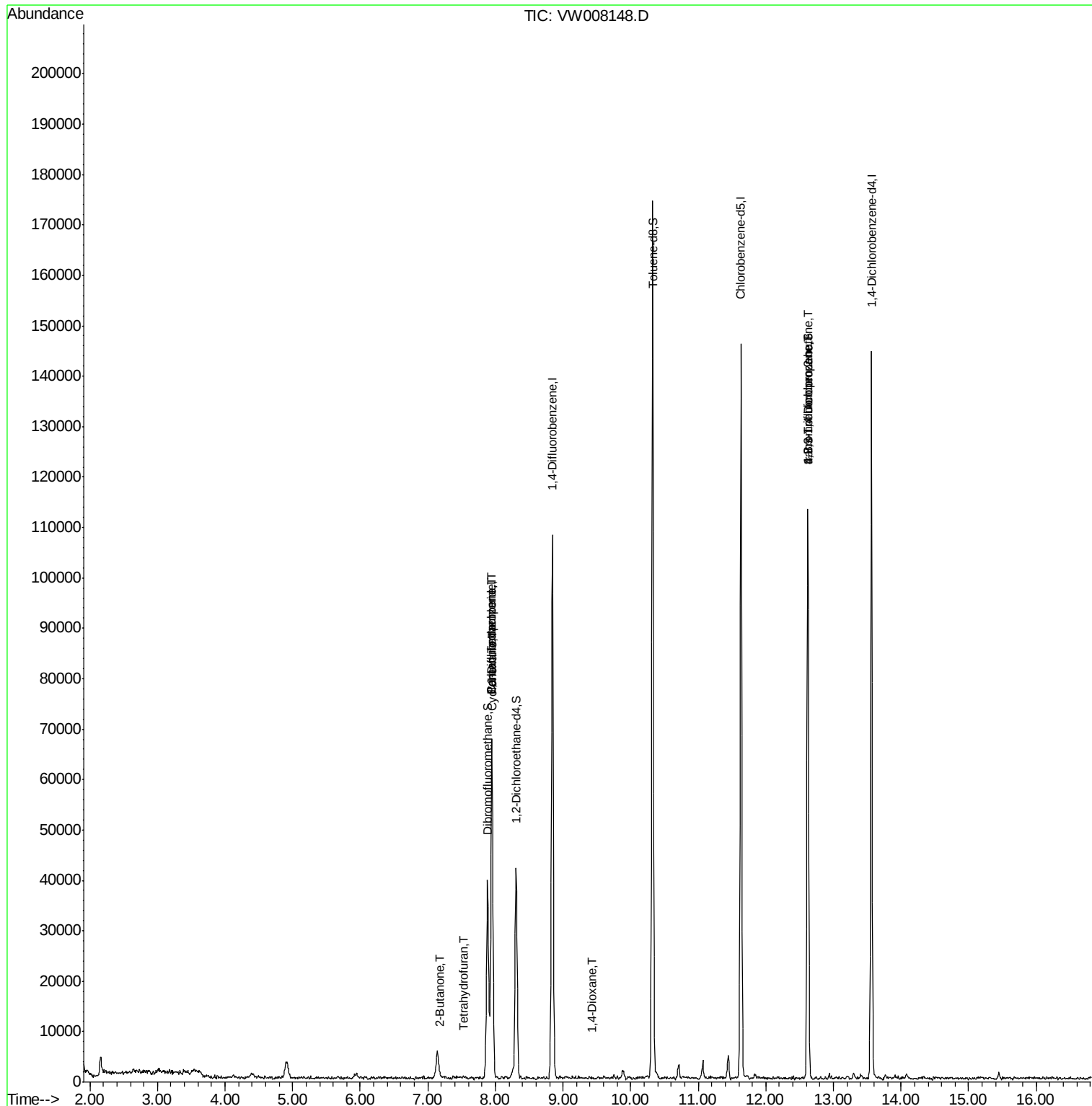
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.26	59	25	Below Cal	#	100
13) Acrolein	3.89	56	22	Below Cal	#	14
16) Acetone	4.18	43	23	Below Cal	#	40
20) Methylene Chloride	4.92	84	2303	Below Cal	#	89
25) 2-Butanone	7.18	43	161	1.131	ug/l #	49
29) Tetrahydrofuran	7.52	42	102	1.073	ug/l #	51
31) Cyclohexane	7.96	56	1246	1.157	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	4381	4.981	ug/l #	44
38) Carbon Tetrachloride	7.95	117	5012	6.226	ug/l #	16
49) 1,4-Dioxane	9.42	88	20	4.281	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	18725	63.930	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	18725	148.873	ug/l #	11

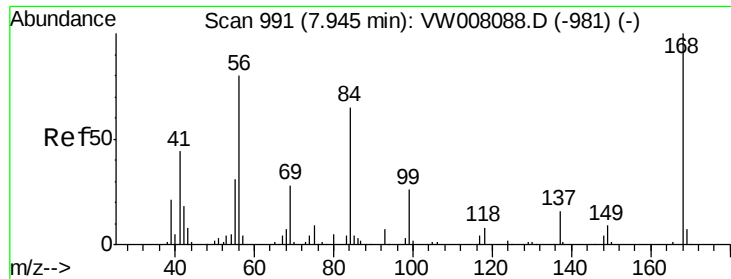
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

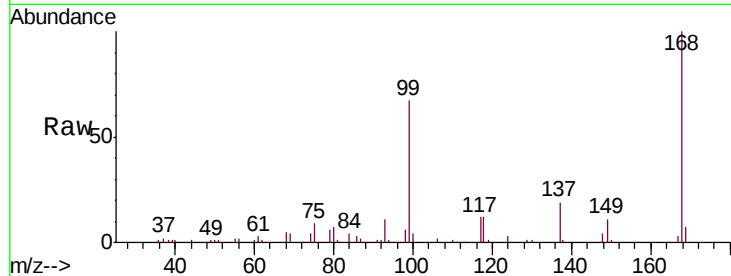
BASIN-5

Tgt Ion:168 Resp: 45526

Ion Ratio Lower Upper

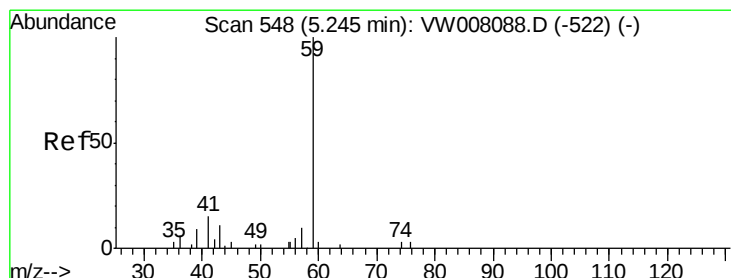
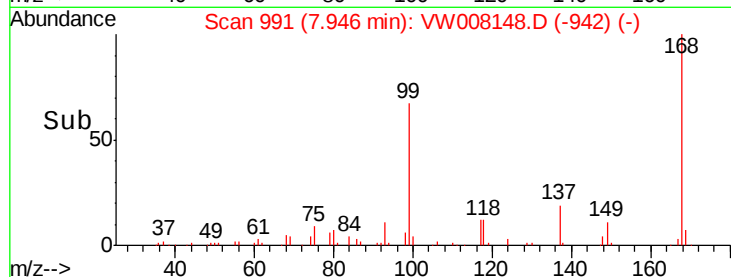
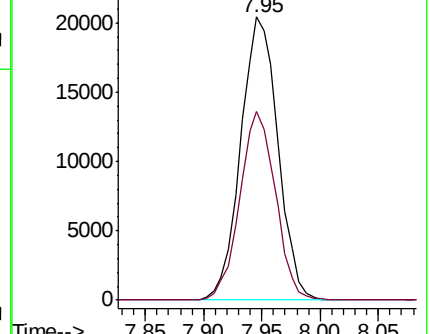
168 100

99 66.6 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: VW008148.D

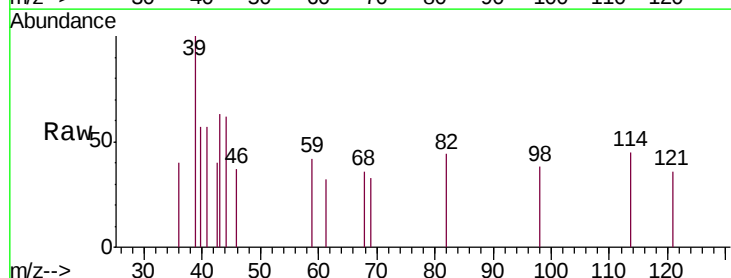
Acq: 10 Jan 2019 15:01

Tgt Ion: 59 Resp: 25

Ion Ratio Lower Upper

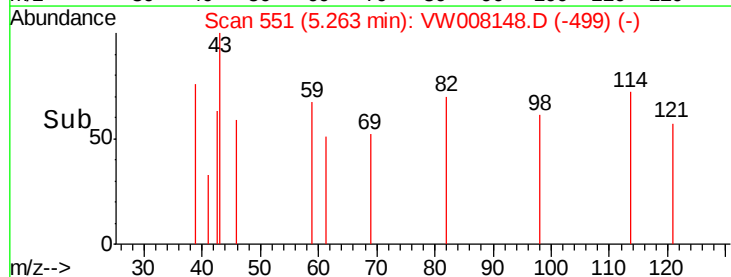
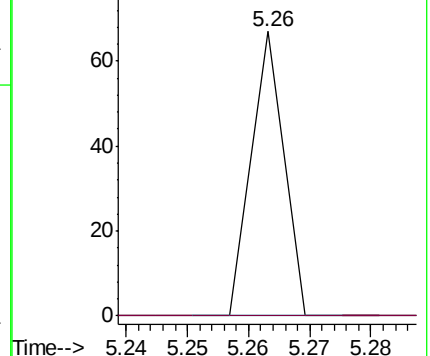
59 100

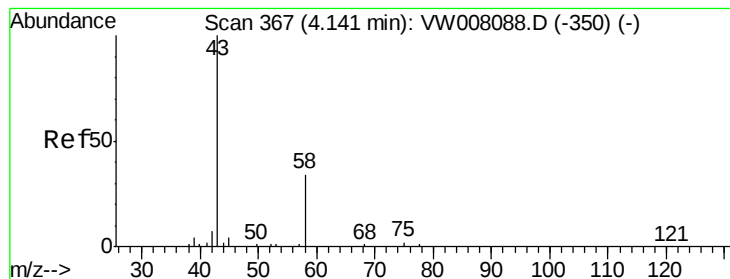
57 0.0 0.0 0.0



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: 4.18 min Scan# 373

Delta R.T. 0.04 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampled :

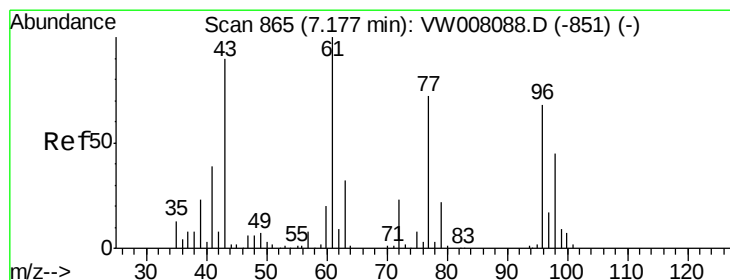
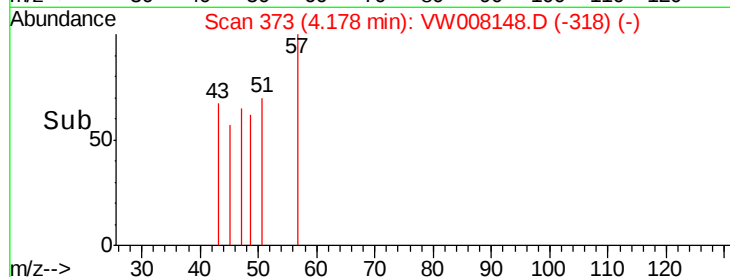
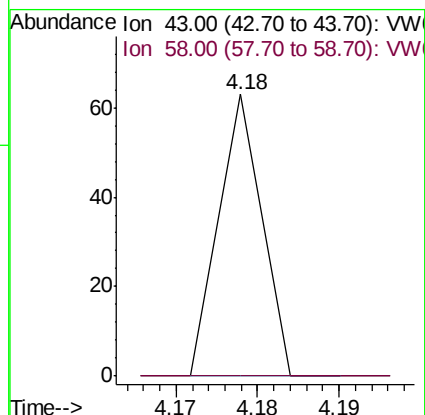
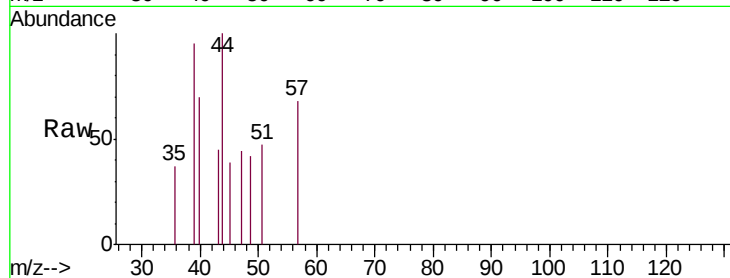
BASIN-5

Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#25

2-Butanone

Concen: 1.131 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008148.D

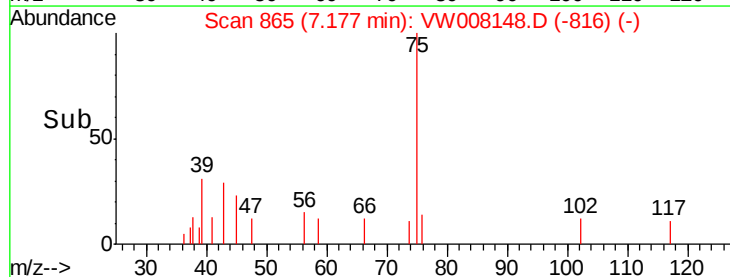
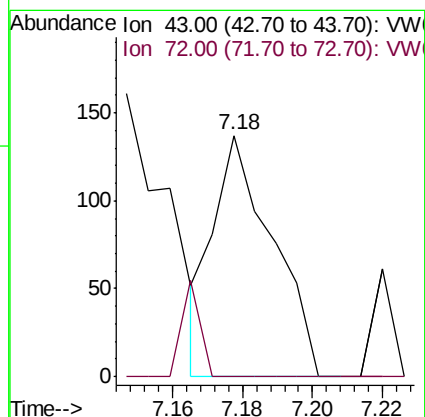
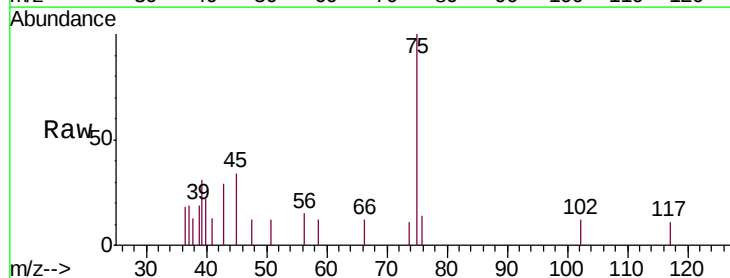
Acq: 10 Jan 2019 15:01

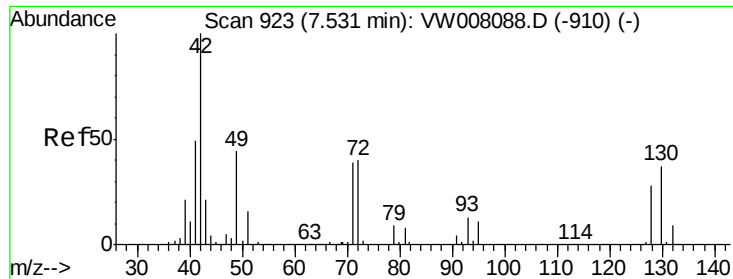
Tgt Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

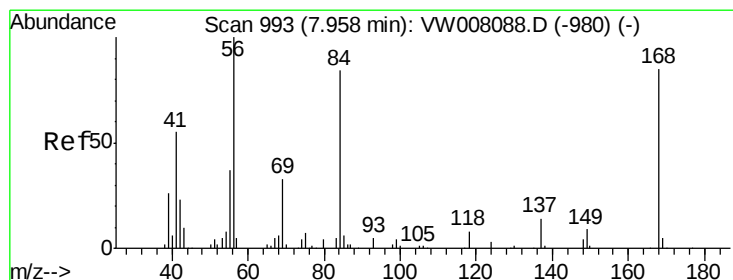
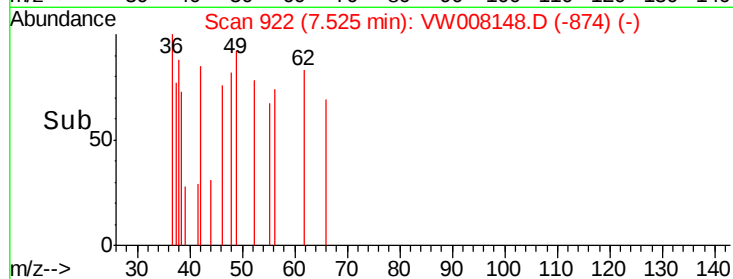
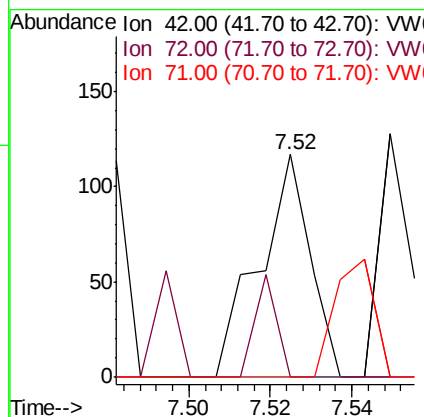
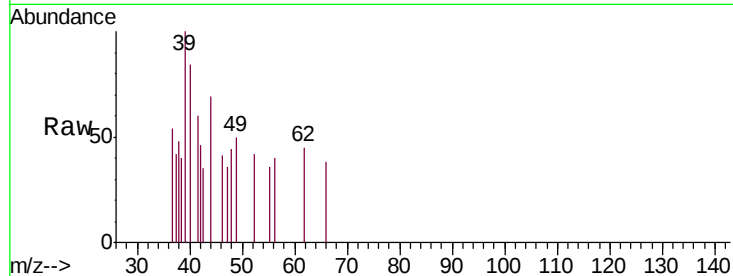




#29
Tetrahydrofuran
Concen: 1.073 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008148.D
Acq: 10 Jan 2019 15:01

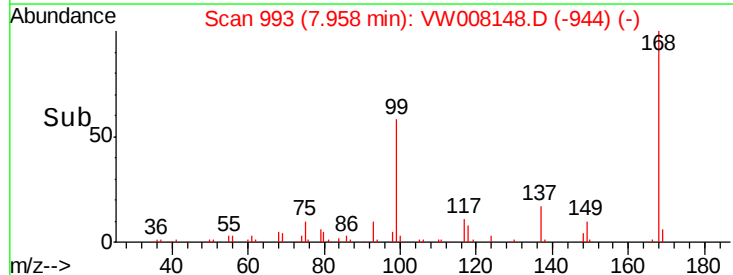
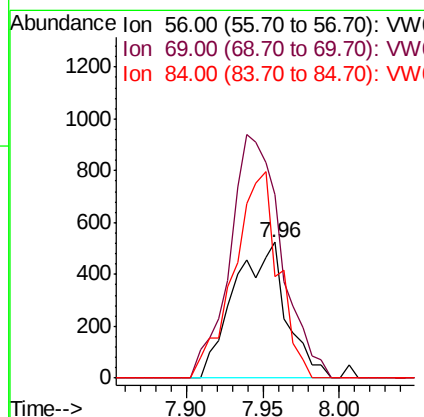
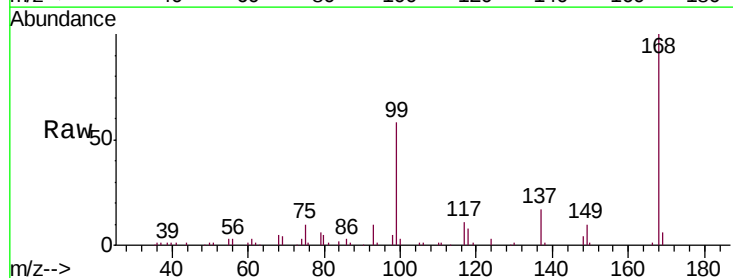
Instrument :
MSVOA_W
ClientSampled :
BASIN-5

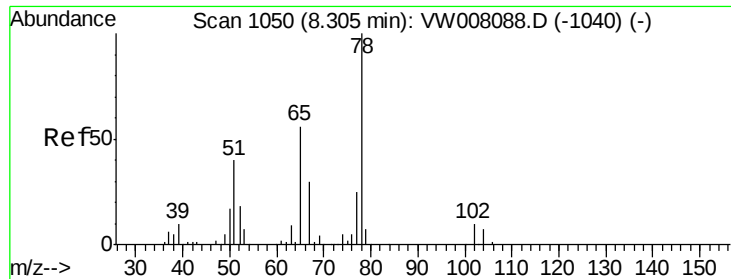
Tgt Ion: 42 Resp: 102
Ion Ratio Lower Upper
42 100
72 19.6 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008148.D
Acq: 10 Jan 2019 15:01

Tgt Ion: 56 Resp: 1246
Ion Ratio Lower Upper
56 100
69 135.0 26.2 39.4#
84 75.0 67.4 101.2





#33

1,2-Dichloroethane-d4

Concen: 59.421 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

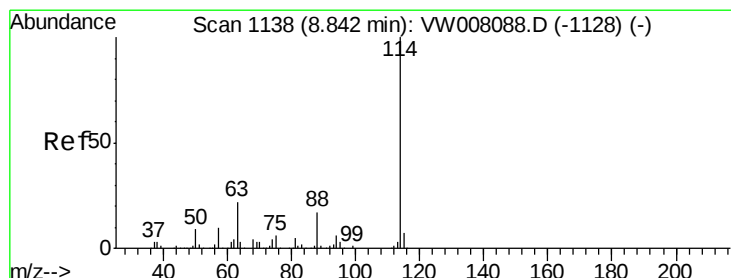
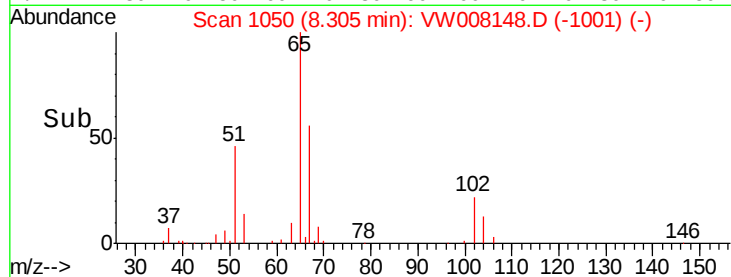
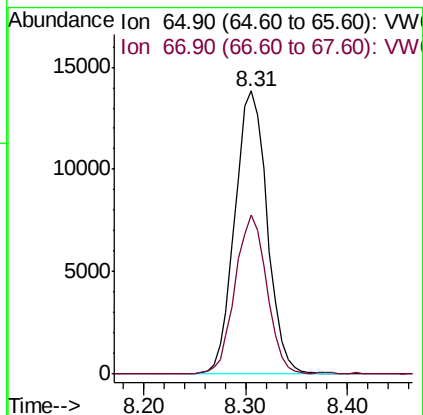
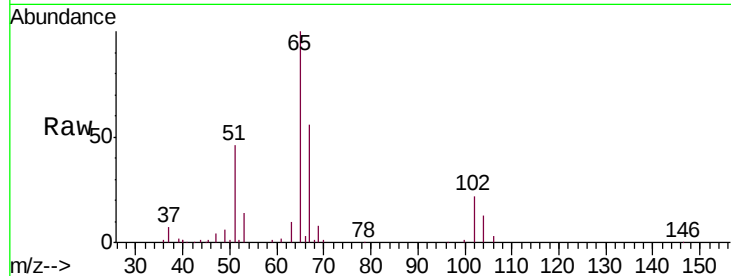
BASIN-5

Tgt Ion: 65 Resp: 30404

Ion Ratio Lower Upper

65 100

67 55.2 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: VW008148.D

Acq: 10 Jan 2019 15:01

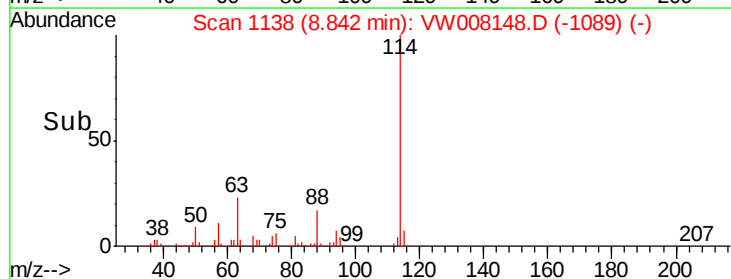
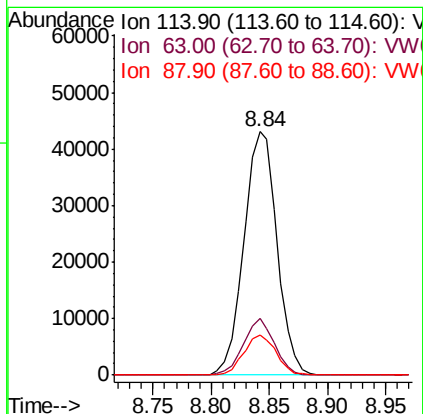
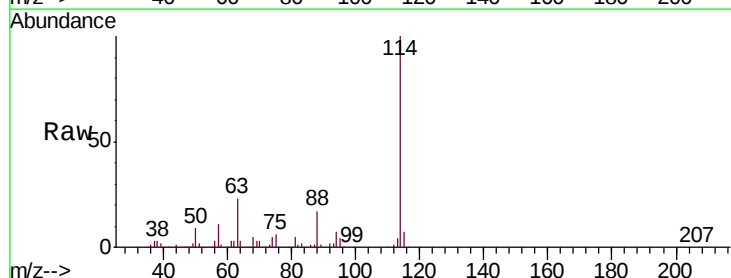
Tgt Ion: 114 Resp: 85379

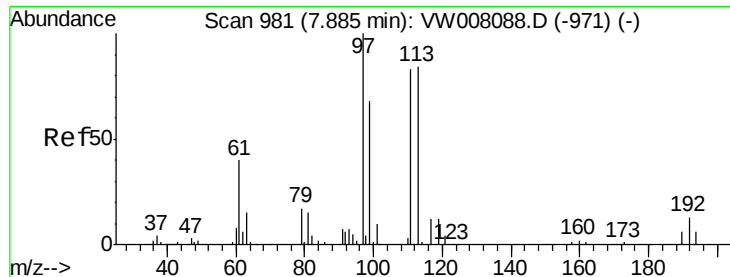
Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.765 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

BASIN-5

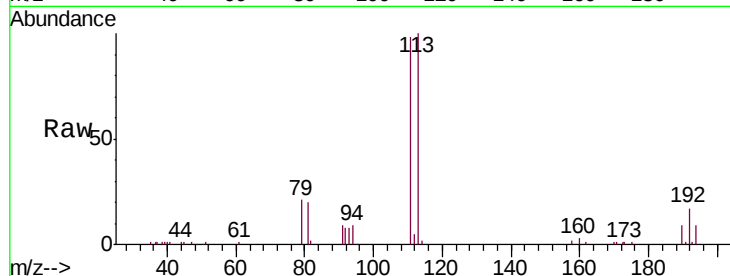
Tgt Ion:113 Resp: 27271

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

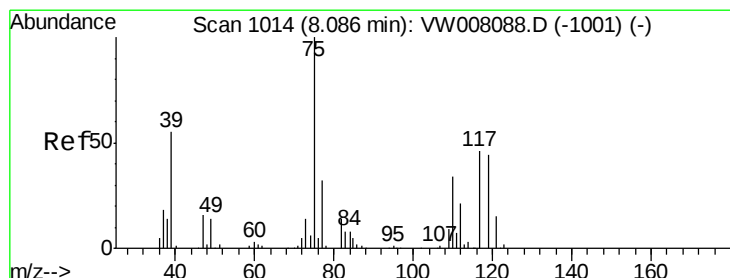
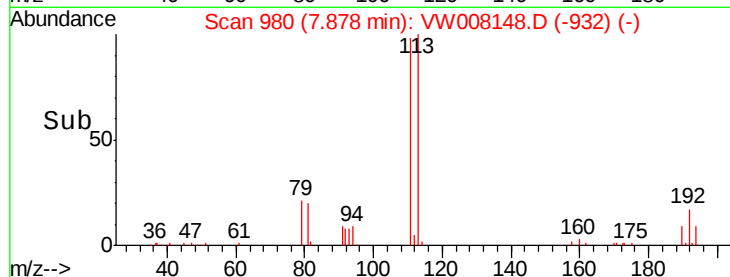
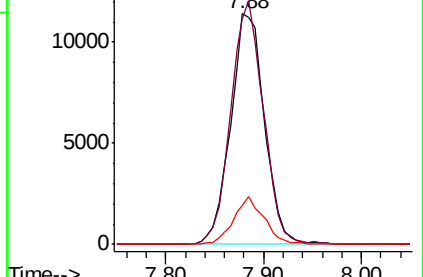
192 18.4 12.8 19.2



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: 4.981 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

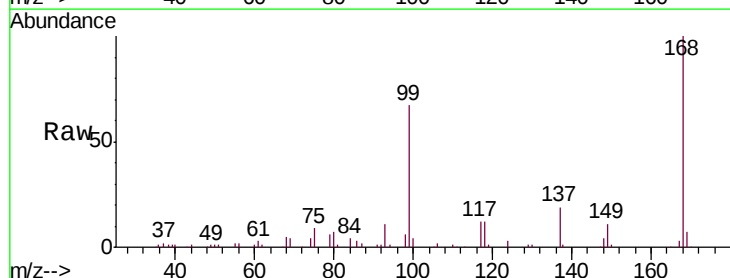
Tgt Ion: 75 Resp: 4381

Ion Ratio Lower Upper

75 100

110 2.9 17.1 51.3#

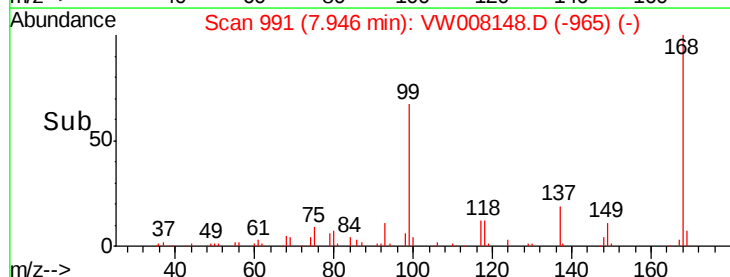
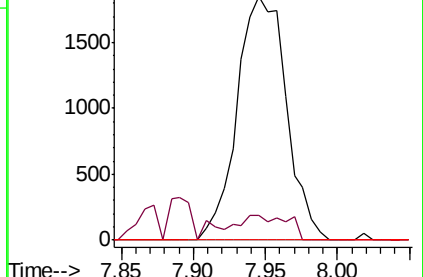
77 0.0 25.5 38.3#

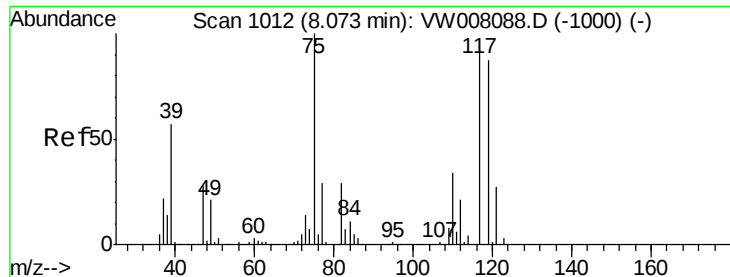


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.226 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampled :

BASIN-5

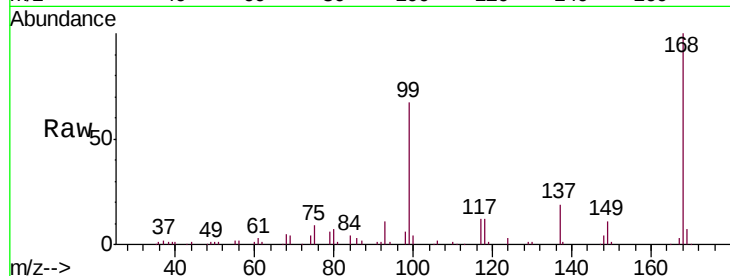
Tgt Ion: 117 Resp: 5012

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

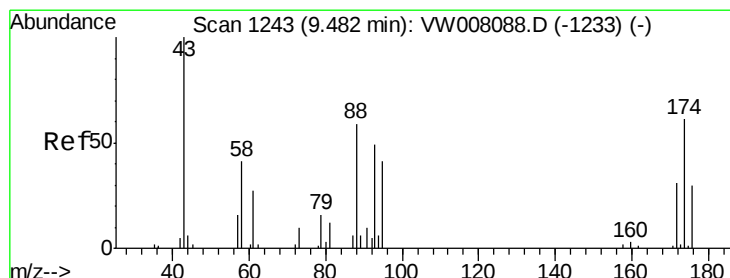
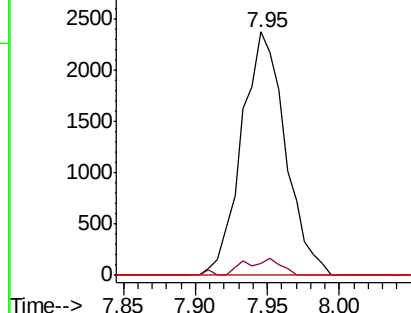
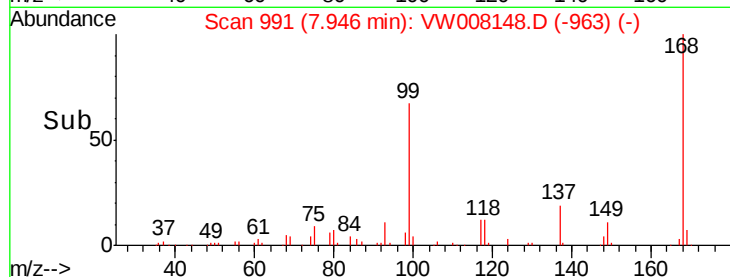
121 0.0 23.7 35.5#



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: 4.281 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.06 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

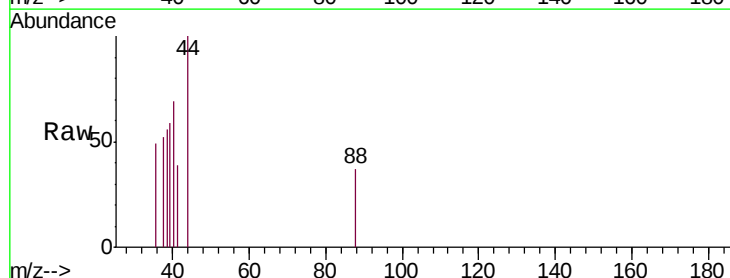
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 200.0 0.0 0.0#

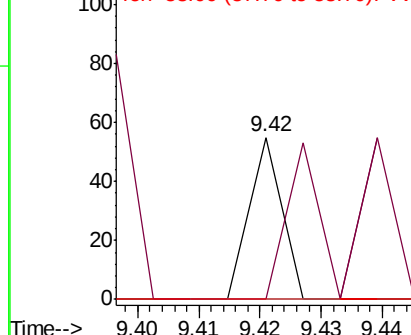
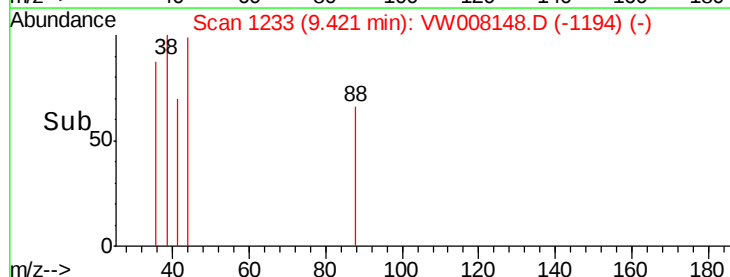
58 0.0 61.7 92.5#

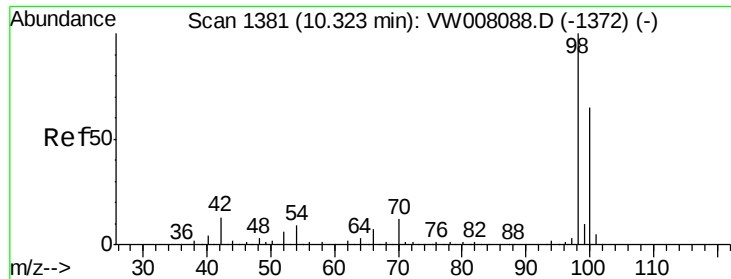


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.433 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampled :

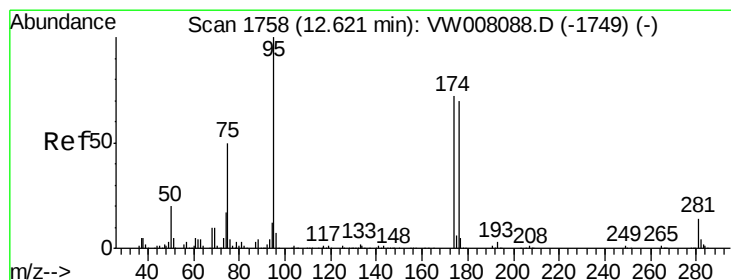
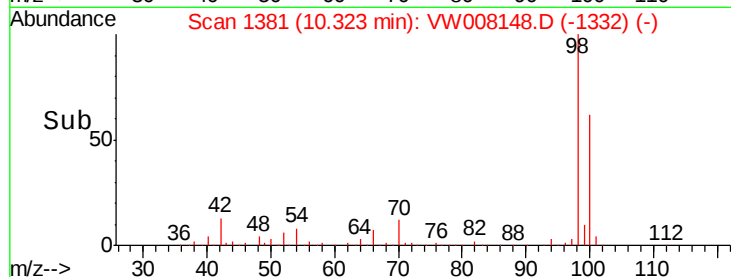
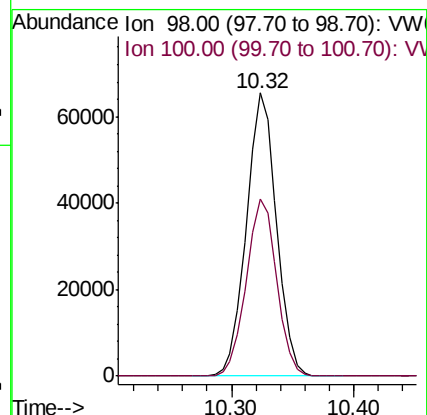
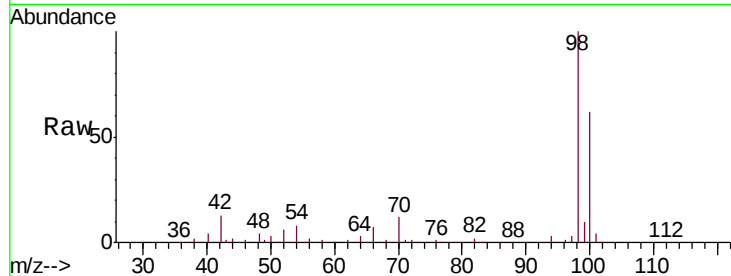
BASIN-5

Tgt Ion: 98 Resp: 111657

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.352 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

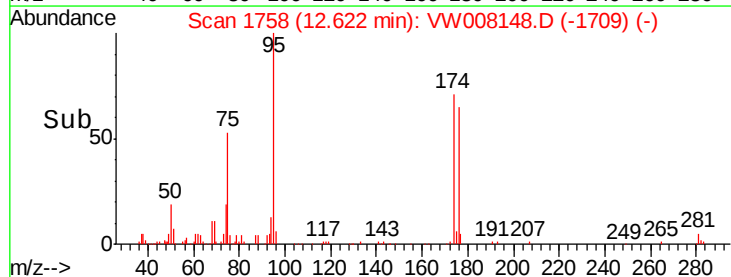
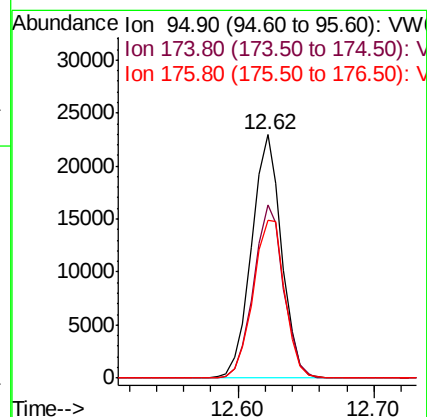
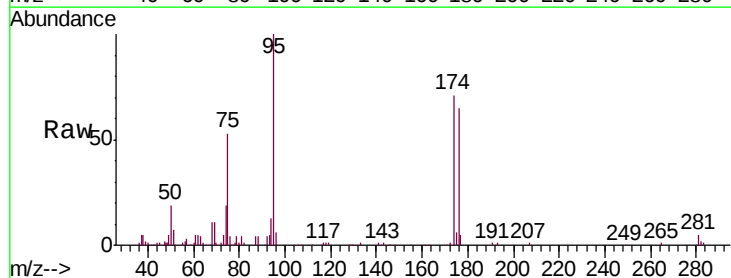
Tgt Ion: 95 Resp: 35473

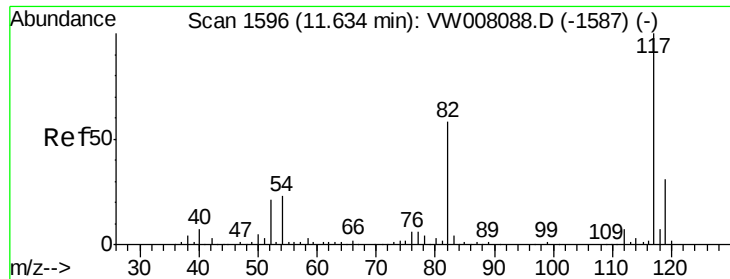
Ion Ratio Lower Upper

95 100

174 71.5 0.0 143.0

176 68.7 0.0 140.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

BASIN-5

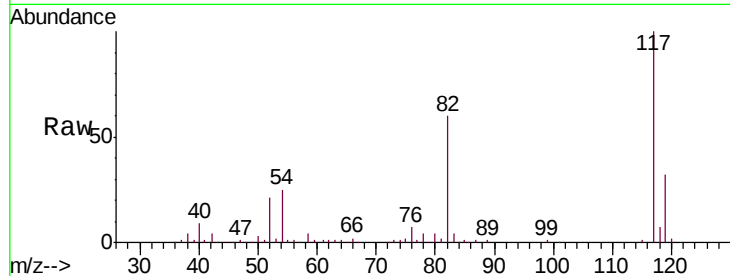
Tgt Ion:117 Resp: 77741

Ion Ratio Lower Upper

117 100

82 59.8 46.4 69.6

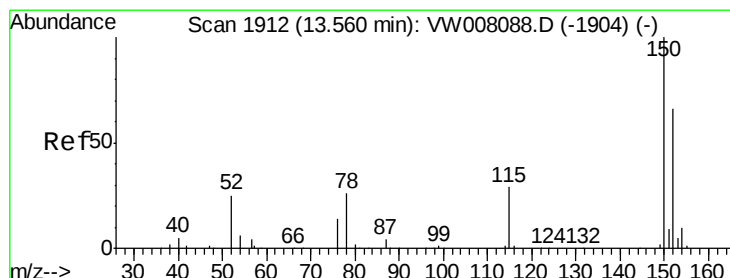
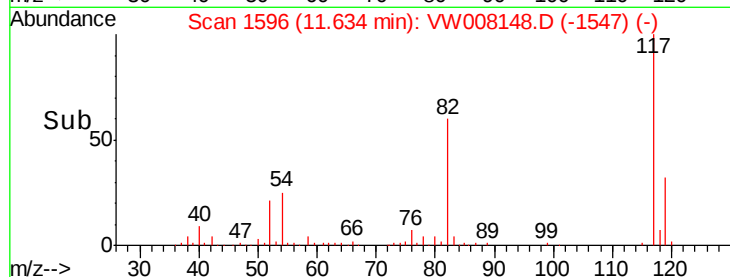
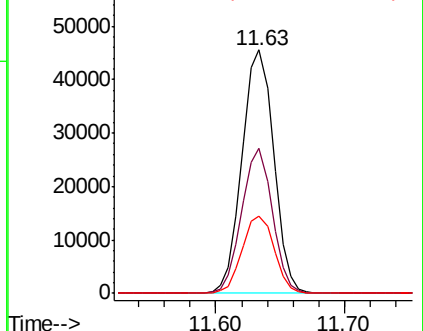
119 31.6 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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. 0.00 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

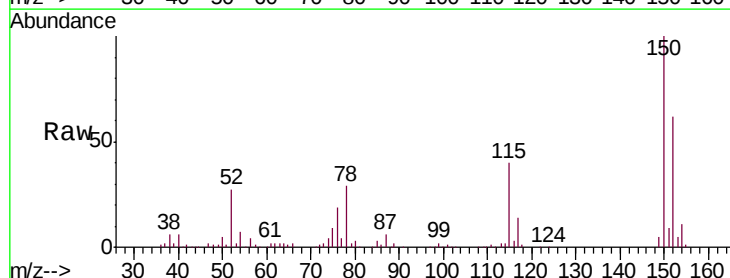
Tgt Ion:152 Resp: 32130

Ion Ratio Lower Upper

152 100

115 64.0 30.8 92.4

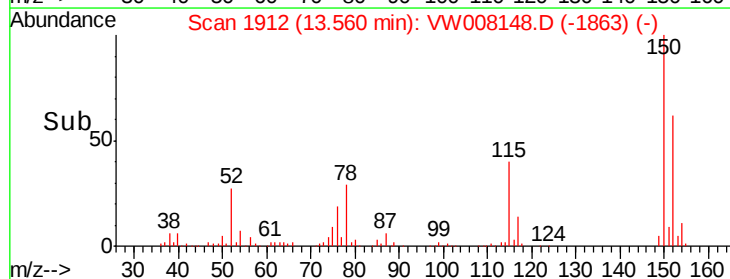
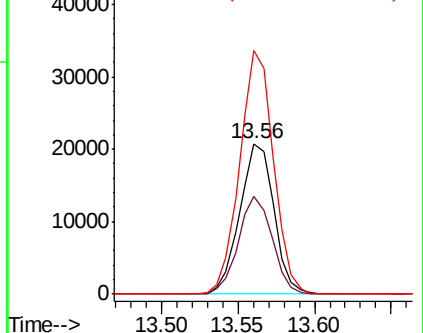
150 160.2 0.0 350.2

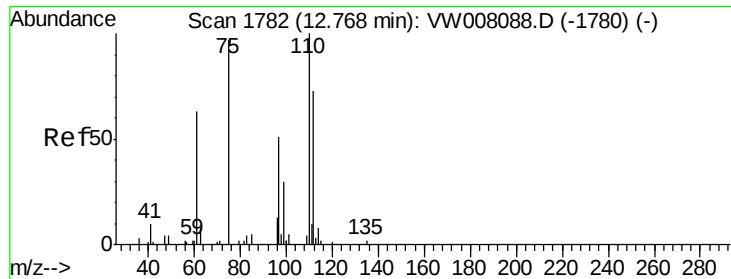


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.930 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Instrument :

MSVOA_W

ClientSampled :

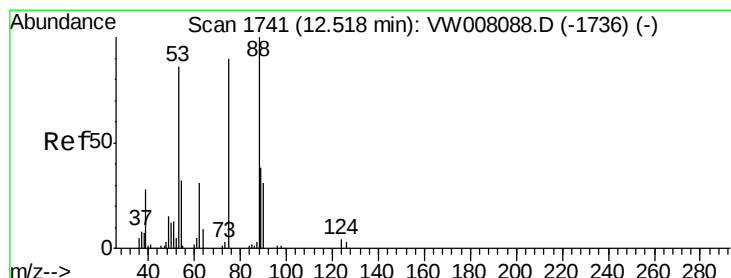
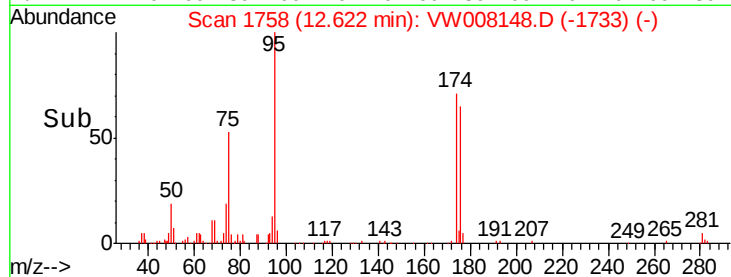
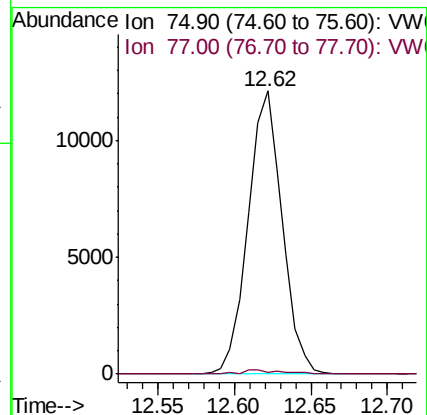
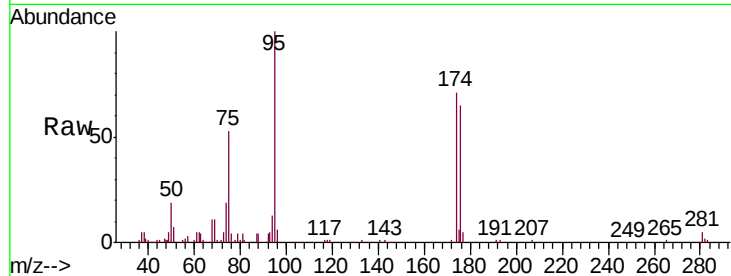
BASIN-5

Tgt Ion: 75 Resp: 18725

Ion Ratio Lower Upper

75 100

77 1.7 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.873 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008148.D

Acq: 10 Jan 2019 15:01

Tgt Ion: 75 Resp: 18725

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.5 35.4 53.2#

