

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041819\
 Data File : VW010053.D
 Acq On : 18 Apr 2019 18:51
 Operator : SY/VA
 Sample : K2407-06
 Misc : 6.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-11-D2

Quant Time: Apr 18 19:11:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 11:26:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	481710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	200502	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	238971	72.18	ug/l	0.00
Spiked Amount			Recovery	=	144.36%	
35) Dibromofluoromethane	7.88	113	187793	61.32	ug/l	0.00
Spiked Amount			Recovery	=	122.64%	
50) Toluene-d8	10.32	98	636216	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	
62) 4-Bromofluorobenzene	12.62	95	217948	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	

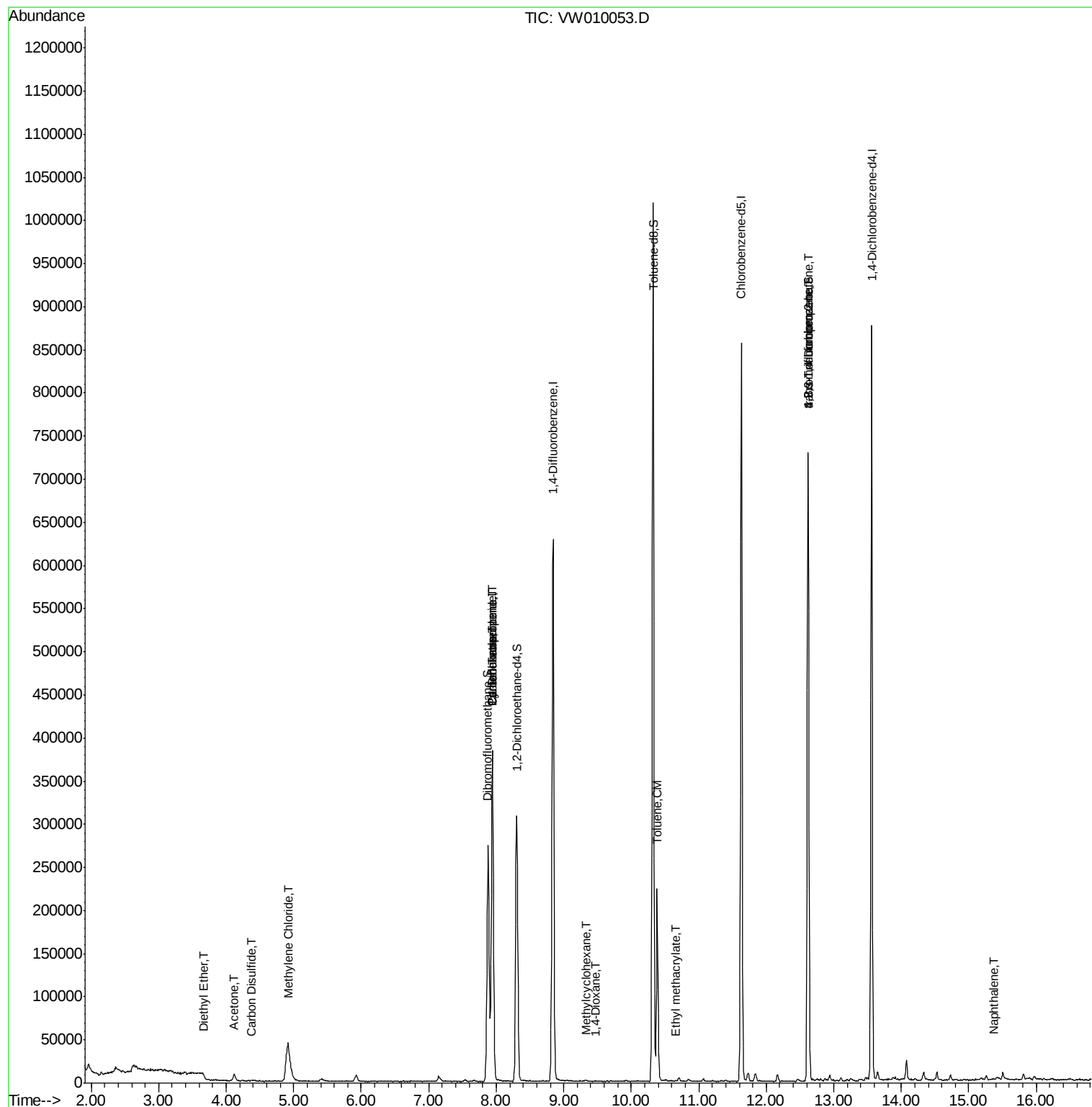
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1450	1.060	ug/l	98
16) Acetone	4.12	43	13975	18.193	ug/l	91
17) Carbon Disulfide	4.37	76	28	1.343	ug/l #	74
20) Methylene Chloride	4.92	84	42465	10.847	ug/l	95
31) Cyclohexane	7.94	56	7743	1.446	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	24848	5.050	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28665	5.969	ug/l #	16
39) Methylcyclohexane	9.33	83	592	1.294	ug/l #	42
49) 1,4-Dioxane	9.46	88	45	1.607	ug/l #	19
52) Toluene	10.38	92	89096	10.631	ug/l	98
56) Ethyl methacrylate	10.65	69	27	2.649	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	121666	60.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	121666	142.961	ug/l #	6
95) Naphthalene	15.37	128	1169	2.785	ug/l #	91

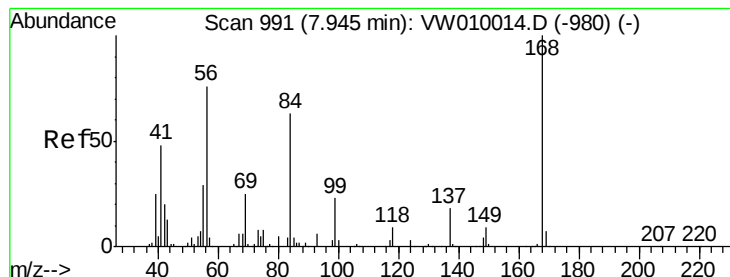
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041819\
Data File : VW010053.D
Acq On : 18 Apr 2019 18:51
Operator : SY/VA
Sample : K2407-06
Misc : 6.10G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-11-D2

Quant Time: Apr 18 19:11:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 11:26:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampleId :

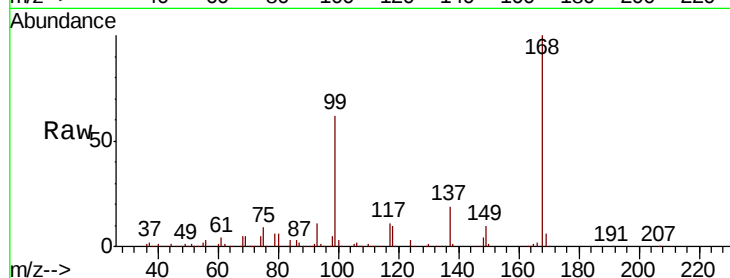
TP-11-D2

Tgt Ion:168 Resp: 268278

Ion Ratio Lower Upper

168 100

99 61.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

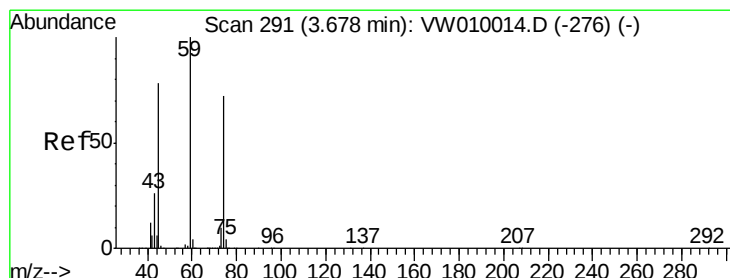
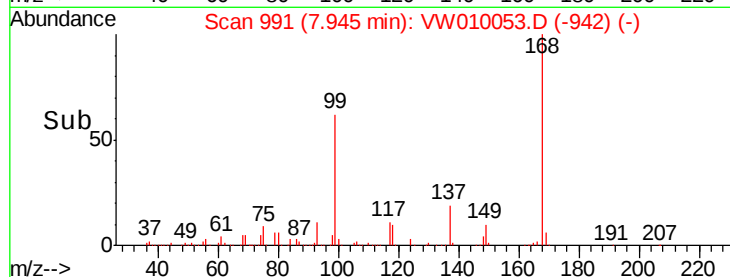
100000

50000

0

Time-->

7.90 8.00



#8

Diethyl Ether

Concen: 1.060 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW010053.D

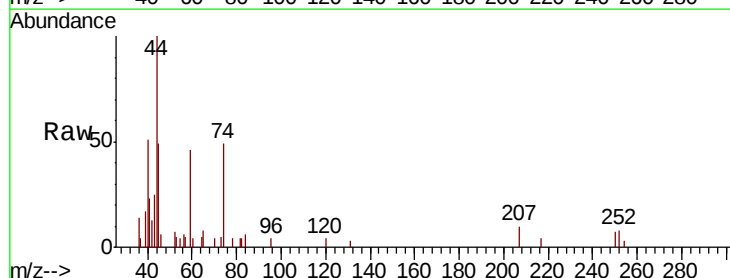
Acq: 18 Apr 2019 18:51

Tgt Ion: 74 Resp: 1450

Ion Ratio Lower Upper

74 100

45 114.5 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

600

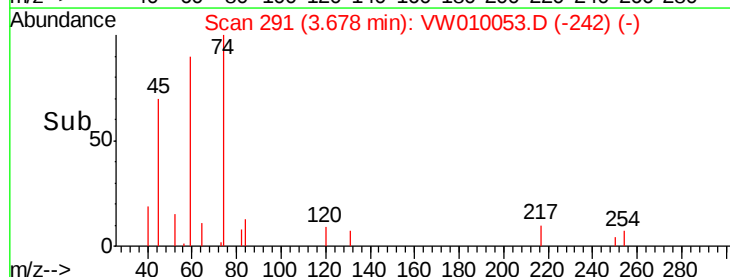
400

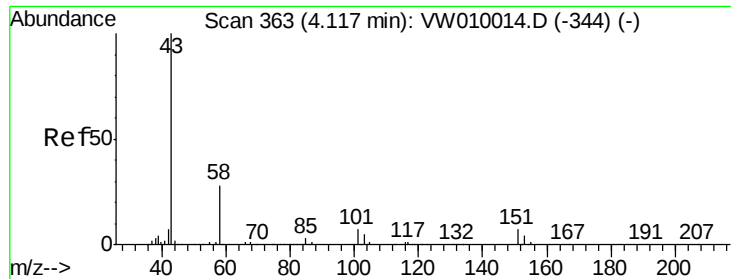
200

0

Time-->

3.60 3.65 3.70 3.75





#16

Acetone

Concen: 18.193 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampleId :

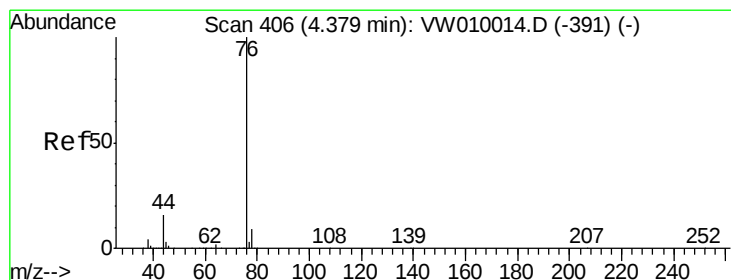
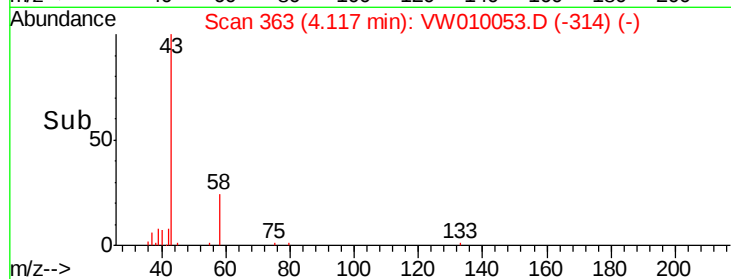
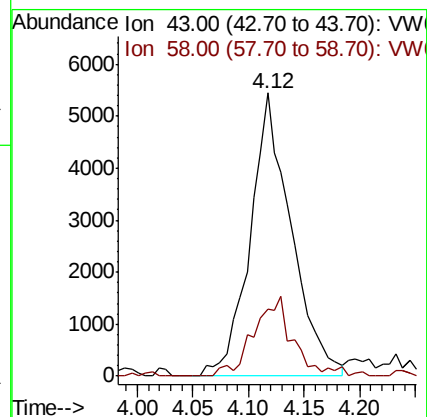
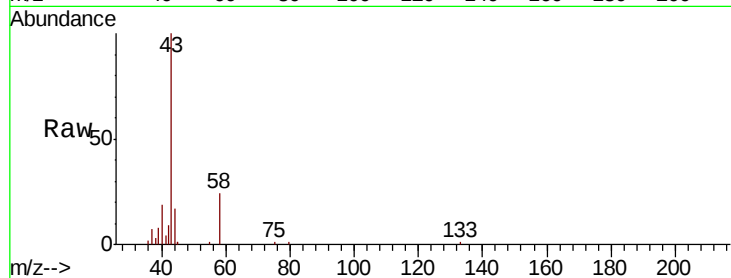
TP-11-D2

Tgt Ion: 43 Resp: 13975

Ion Ratio Lower Upper

43 100

58 23.6 22.7 34.1



#17

Carbon Disulfide

Concen: 1.343 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010053.D

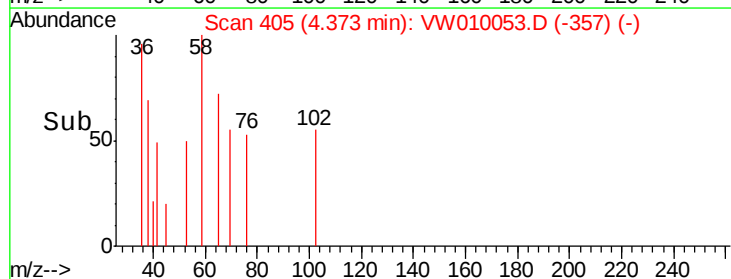
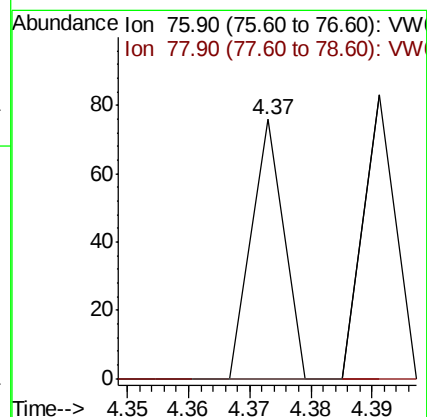
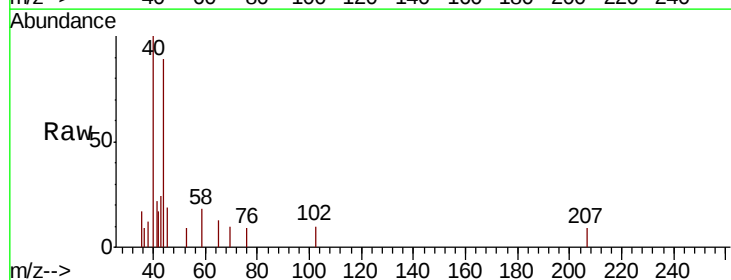
Acq: 18 Apr 2019 18:51

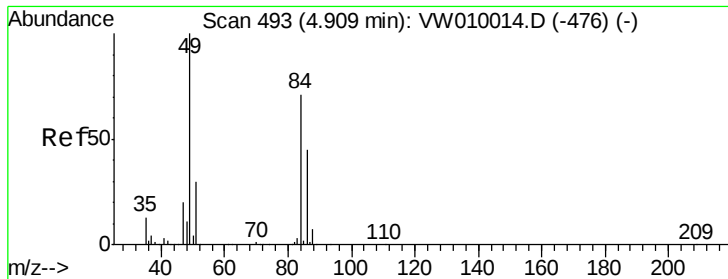
Tgt Ion: 76 Resp: 28

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

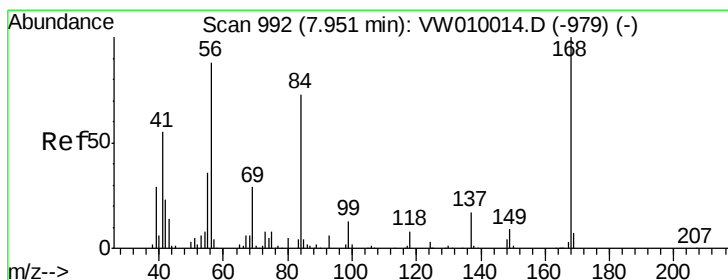
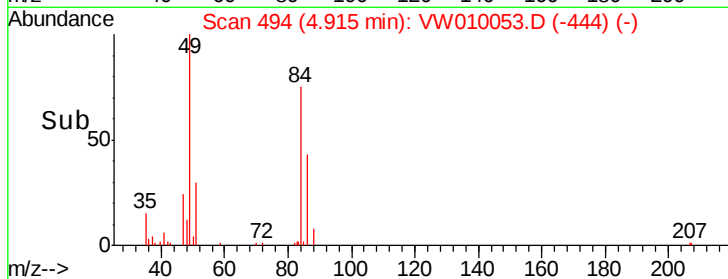
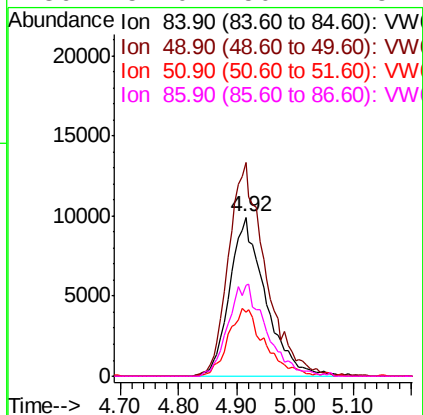
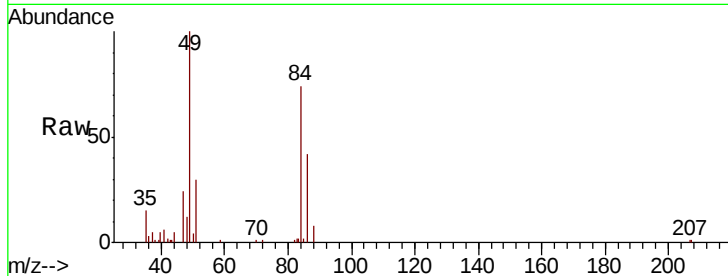




#20
Methylene Chloride
Concen: 10.847 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010053.D
Acq: 18 Apr 2019 18:51

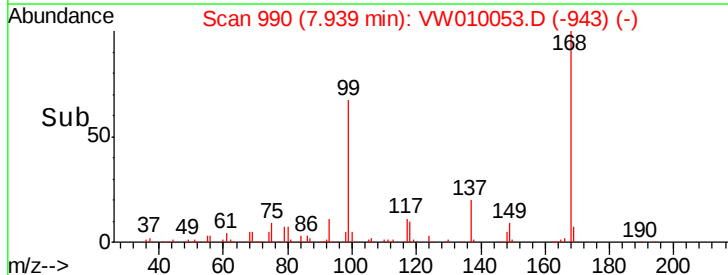
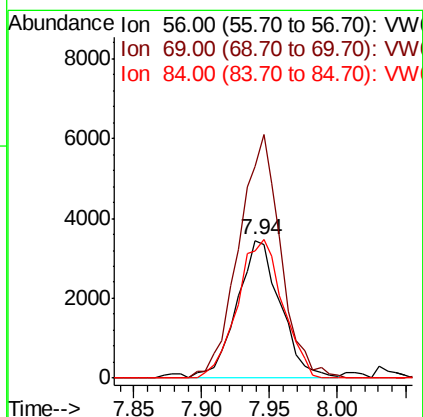
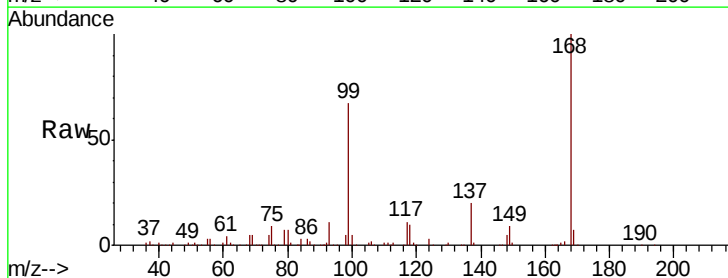
Instrument :
MSVOA_W
ClientSampleId :
TP-11-D2

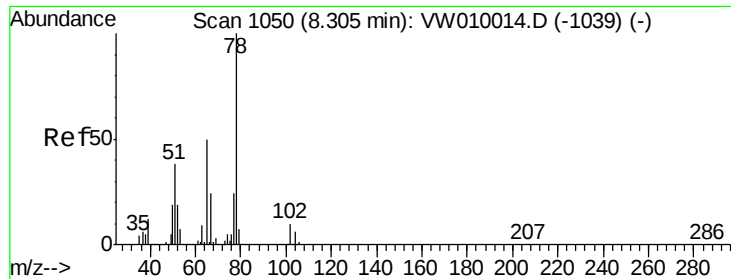
Tgt Ion: 84 Resp: 42465
Ion Ratio Lower Upper
84 100
49 134.2 112.3 168.5
51 40.2 33.9 50.9
86 57.0 50.2 75.4



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010053.D
Acq: 18 Apr 2019 18:51

Tgt Ion: 56 Resp: 7743
Ion Ratio Lower Upper
56 100
69 153.6 26.6 40.0#
84 92.7 66.2 99.2

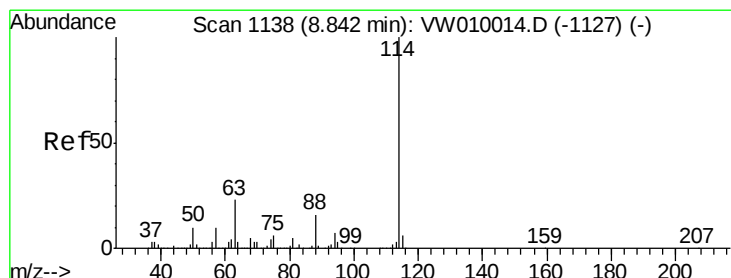
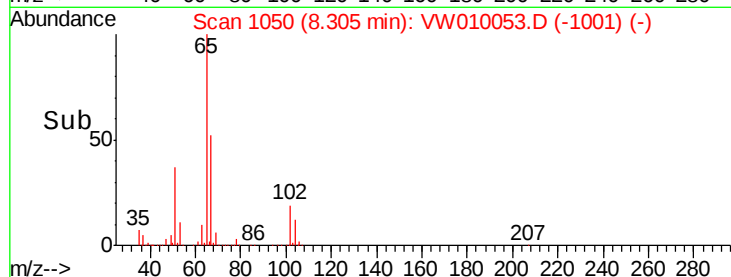
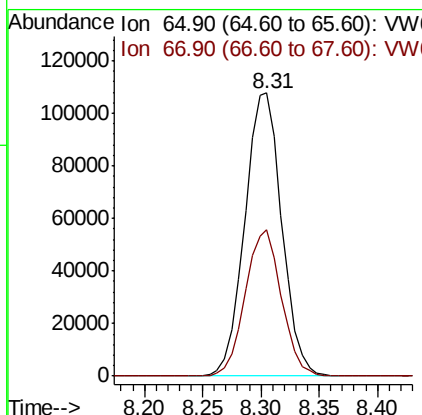
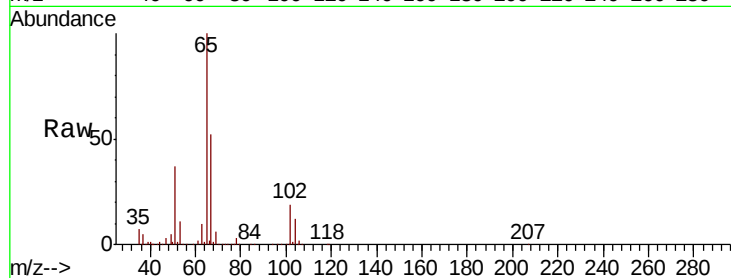




#33
 1,2-Dichloroethane-d4
 Concen: 72.182 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010053.D
 Acq: 18 Apr 2019 18:51

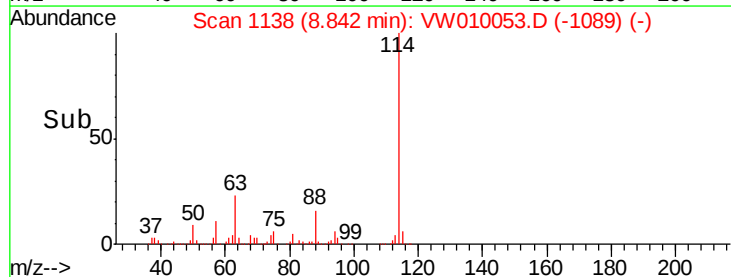
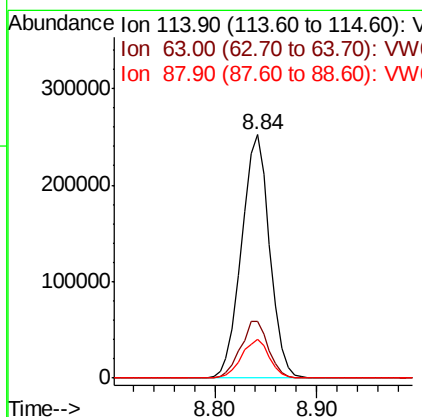
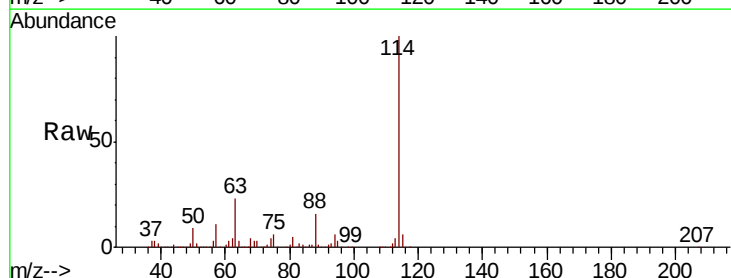
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-11-D2

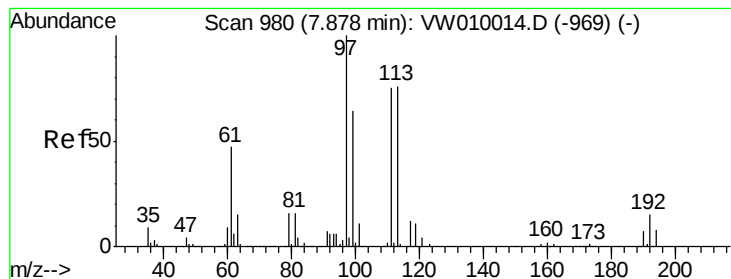
Tgt Ion: 65 Resp: 238971
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010053.D
 Acq: 18 Apr 2019 18:51

Tgt Ion: 114 Resp: 481710
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.2
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 61.319 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampled :

TP-11-D2

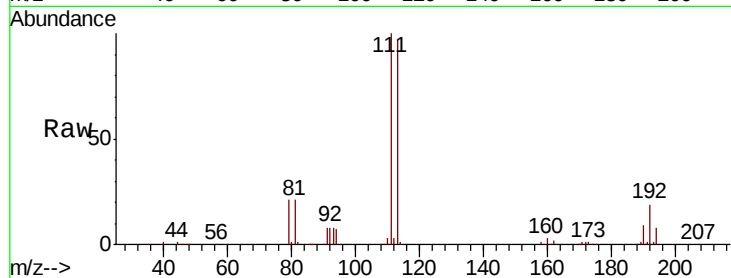
Tgt Ion:113 Resp: 187793

Ion Ratio Lower Upper

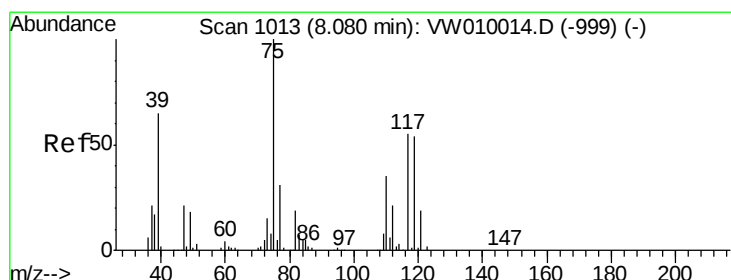
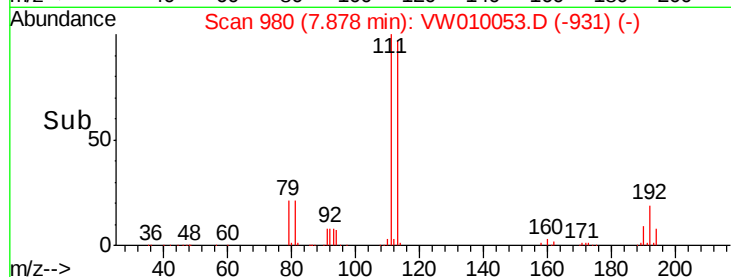
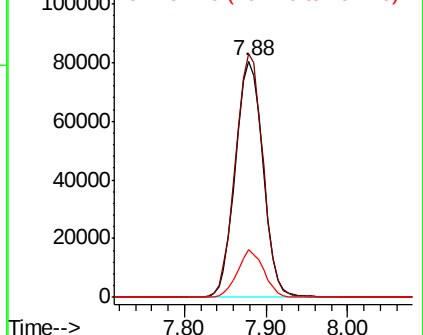
113 100

111 103.0 82.6 123.8

192 19.1 15.4 23.2



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: 5.050 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

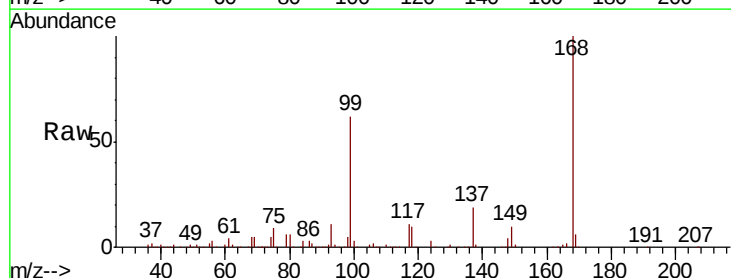
Tgt Ion: 75 Resp: 24848

Ion Ratio Lower Upper

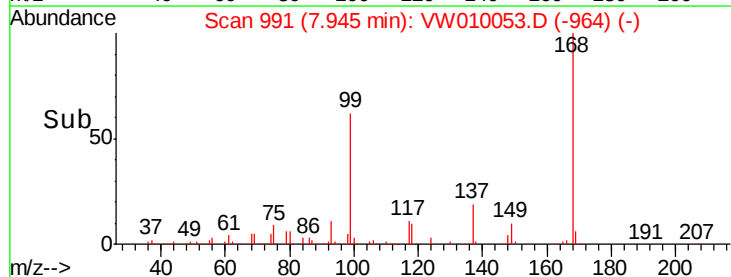
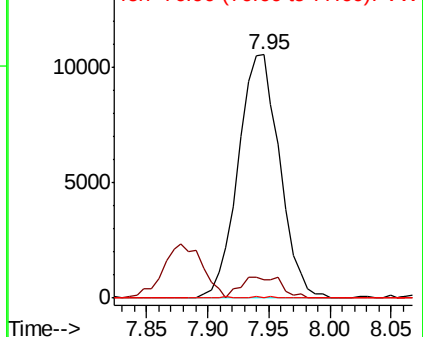
75 100

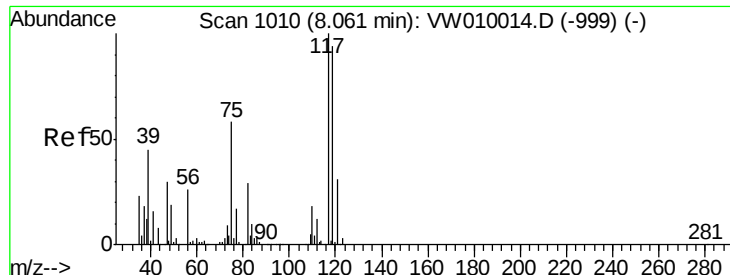
110 8.4 16.6 49.8#

77 0.0 24.8 37.2#



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: 5.969 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampleId :

TP-11-D2

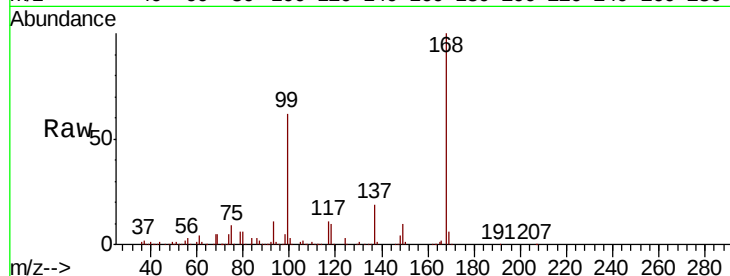
Tgt Ion: 117 Resp: 28665

Ion Ratio Lower Upper

117 100

119 4.3 75.3 112.9#

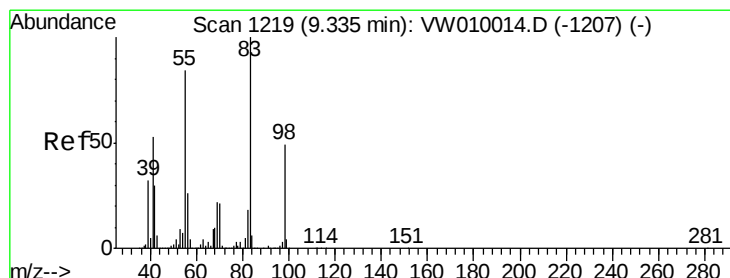
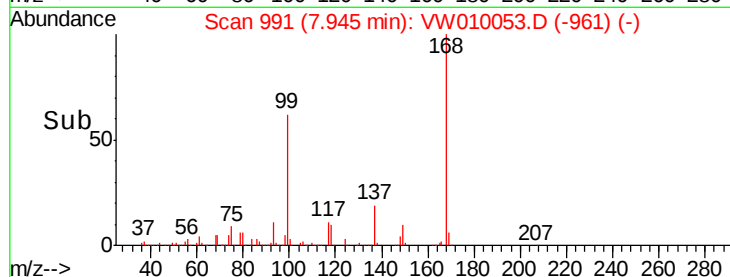
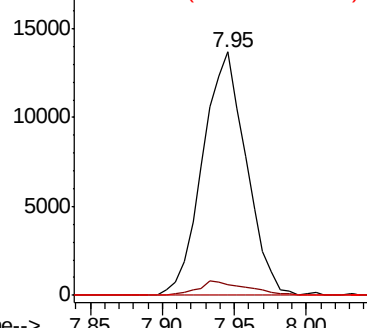
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 1.294 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

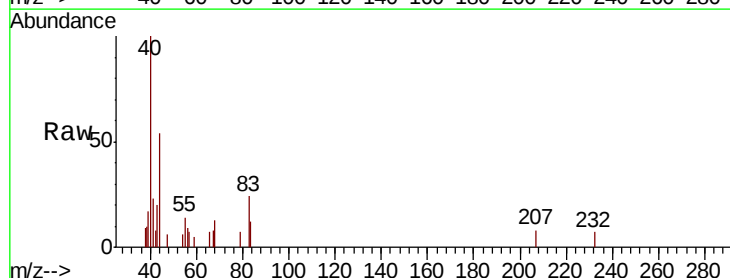
Tgt Ion: 83 Resp: 592

Ion Ratio Lower Upper

83 100

55 38.6 67.1 100.7#

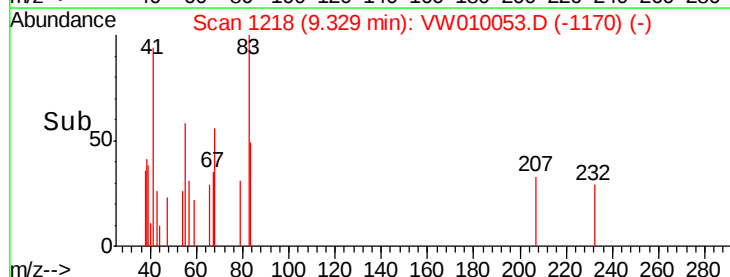
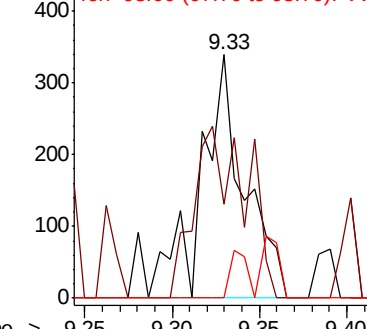
98 0.0 39.2 58.8#

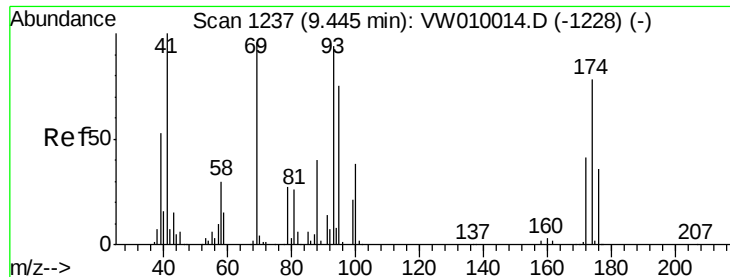


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#49

1,4-Dioxane

Concen: 1.607 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampled :

TP-11-D2

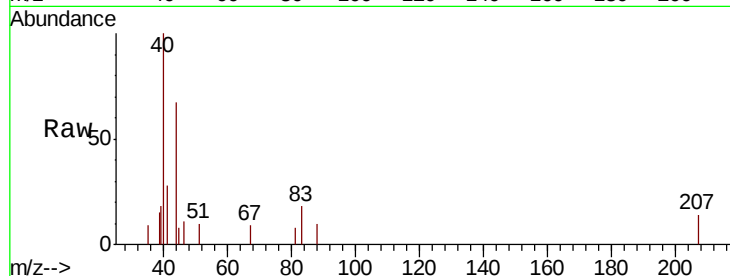
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 31.9 47.9#

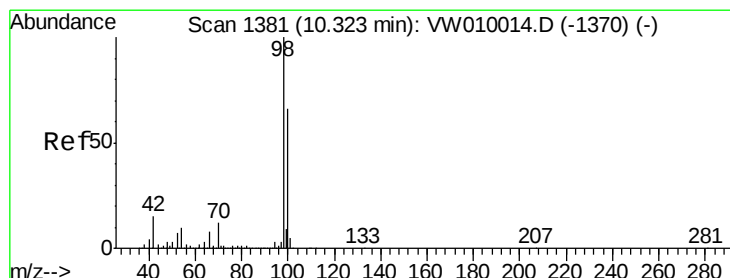
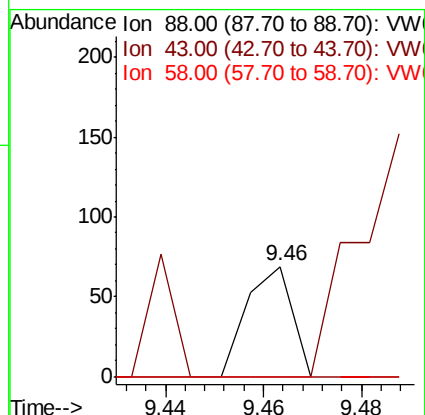
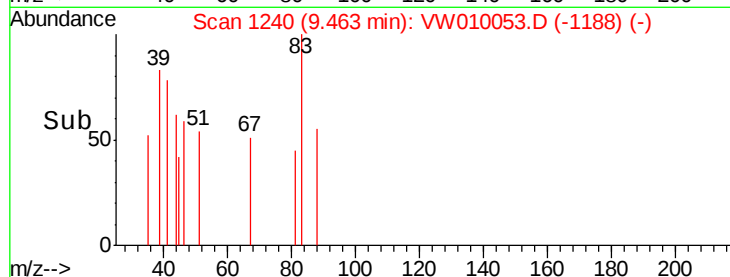
58 0.0 61.8 92.6#



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: 55.439 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010053.D

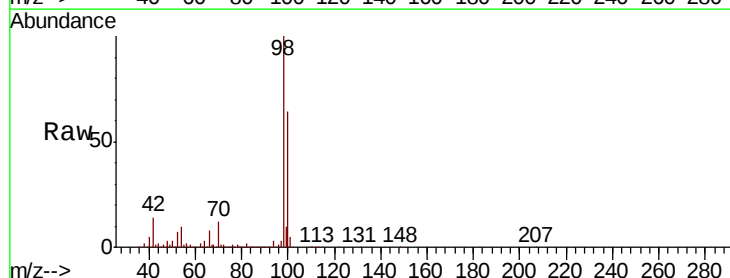
Acq: 18 Apr 2019 18:51

Tgt Ion: 98 Resp: 636216

Ion Ratio Lower Upper

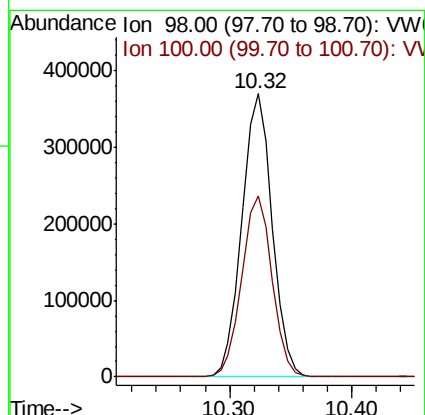
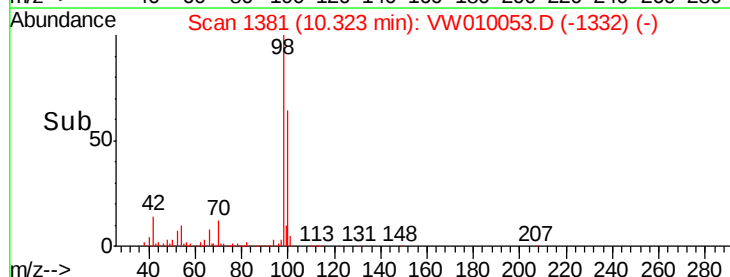
98 100

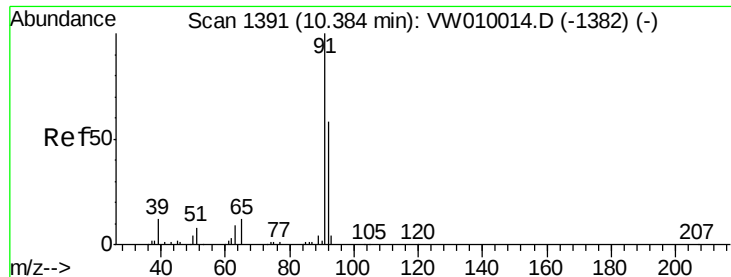
100 64.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 10.631 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampleId :

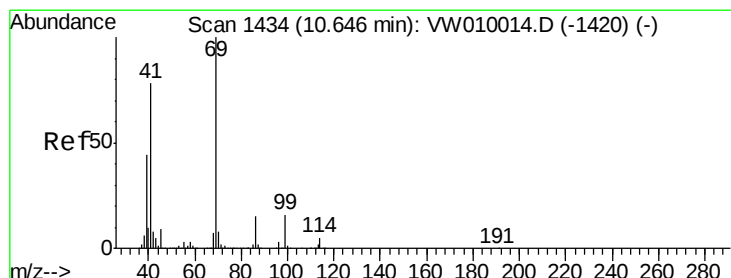
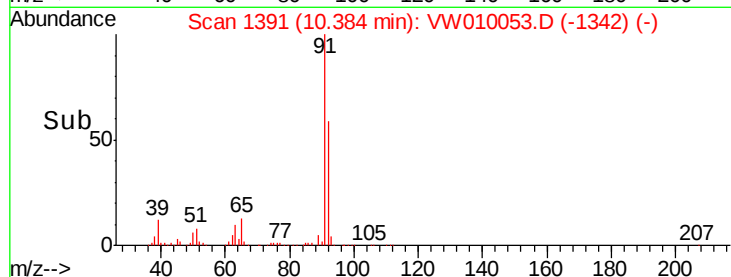
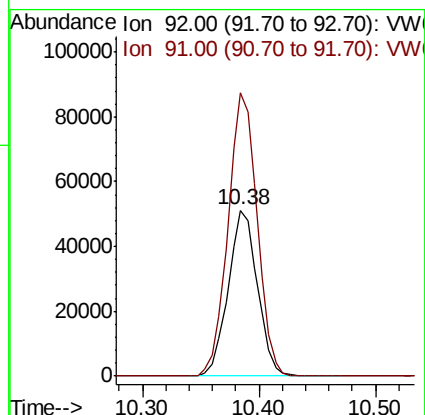
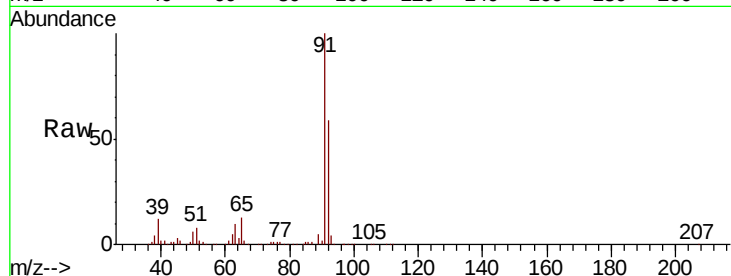
TP-11-D2

Tgt Ion: 92 Resp: 89096

Ion Ratio Lower Upper

92 100

91 170.4 138.5 207.7



#56

Ethyl methacrylate

Concen: 2.649 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

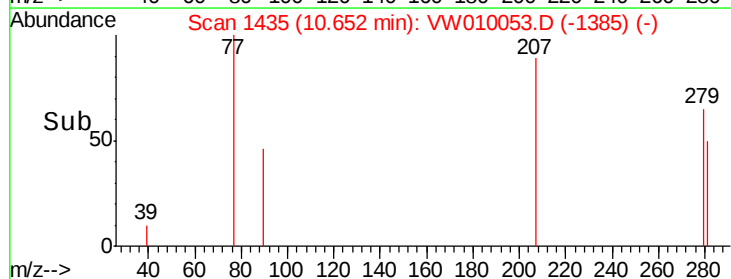
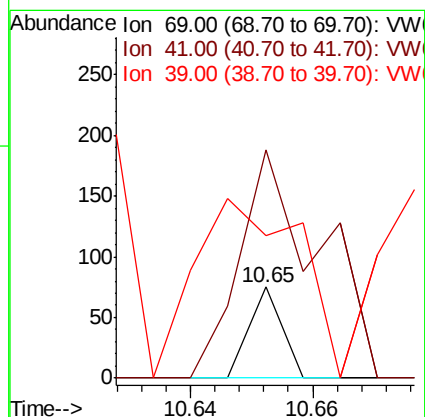
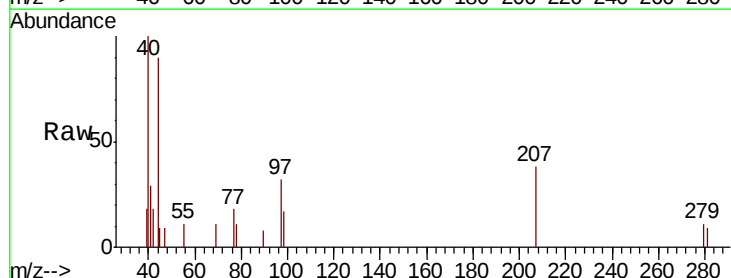
Tgt Ion: 69 Resp: 27

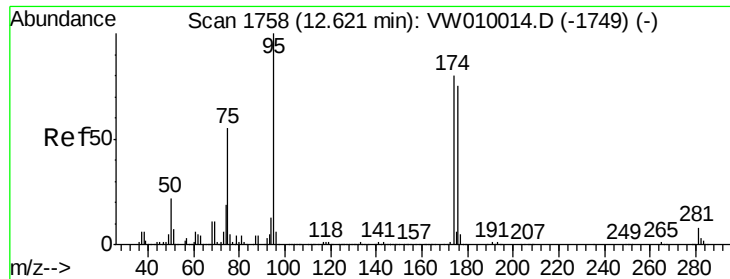
Ion Ratio Lower Upper

69 100

41 625.9 61.0 91.6#

39 0.0 33.8 50.6#





#62

4-Bromofluorobenzene

Concen: 52.247 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010053.D

Acq: 18 Apr 2019 18:51

Instrument :

MSVOA_W

ClientSampleId :

TP-11-D2

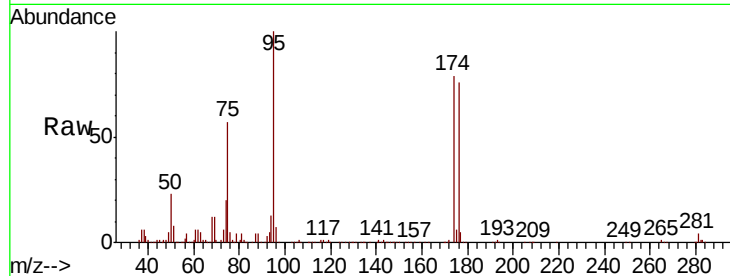
Tgt Ion: 95 Resp: 217948

Ion Ratio Lower Upper

95 100

174 76.4 0.0 151.4

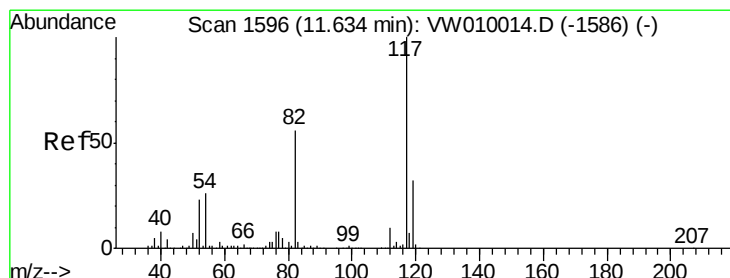
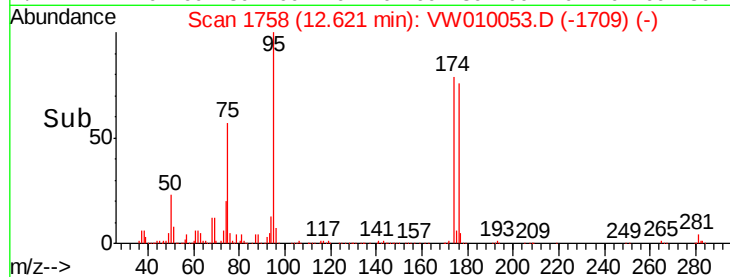
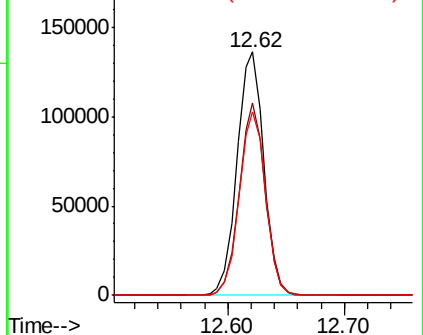
176 74.3 0.0 146.2



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: VW010053.D

Acq: 18 Apr 2019 18:51

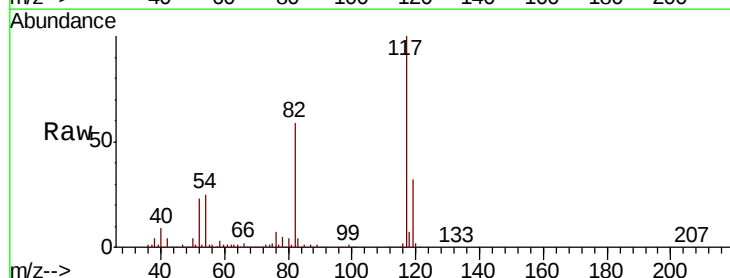
Tgt Ion: 117 Resp: 440932

Ion Ratio Lower Upper

117 100

82 58.8 45.2 67.8

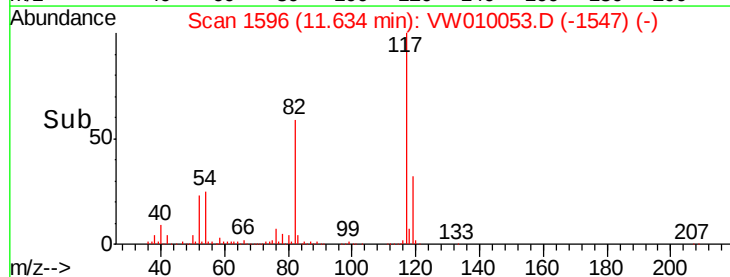
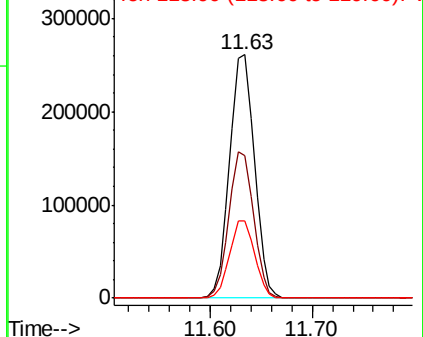
119 31.9 25.4 38.2

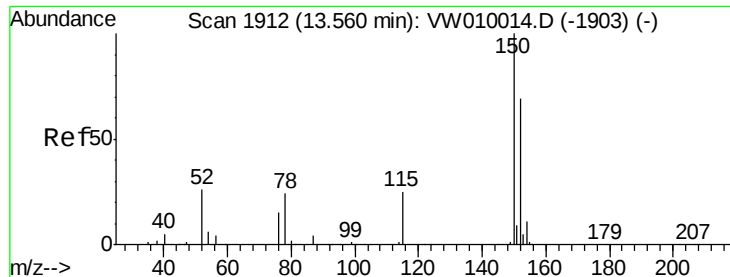


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



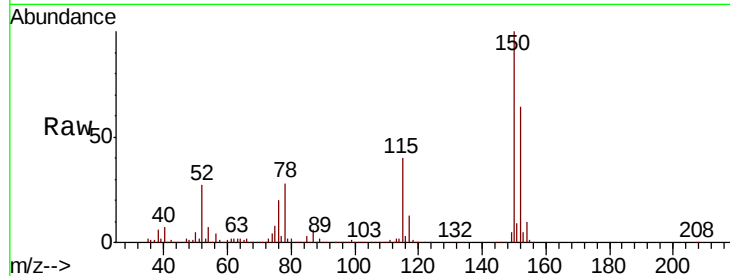


#72

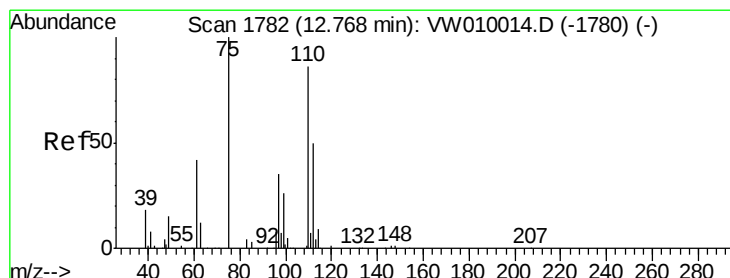
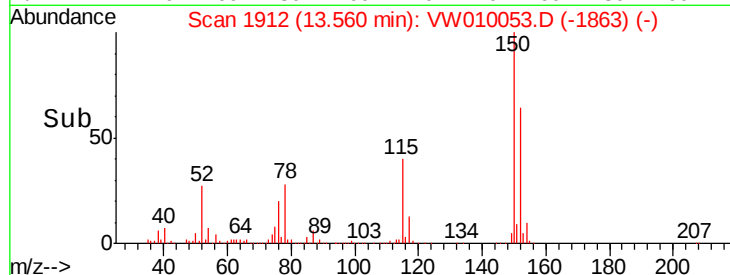
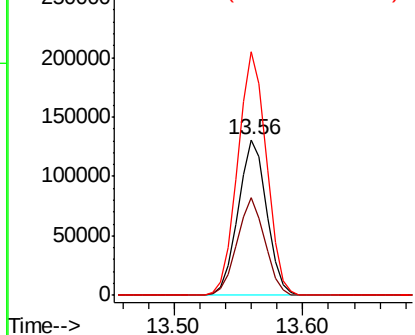
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010053.D
Acq: 18 Apr 2019 18:51

Instrument :
MSVOA_W
ClientSampleId :
TP-11-D2

Tgt Ion:152 Resp: 200502
Ion Ratio Lower Upper
152 100
115 61.4 30.4 91.2
150 157.8 0.0 347.0



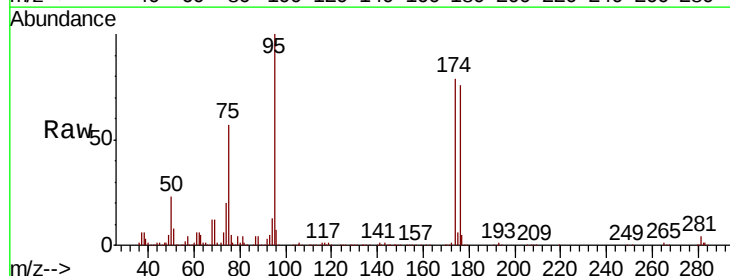
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



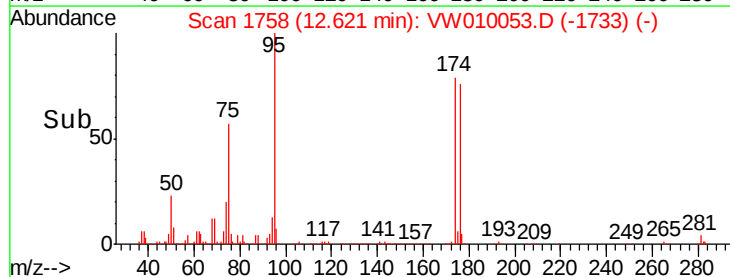
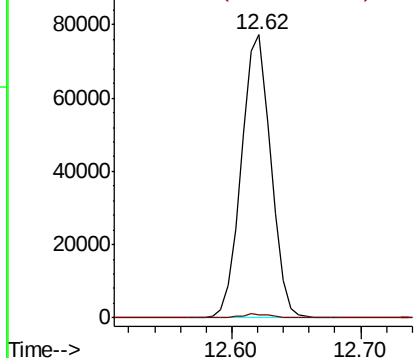
#76

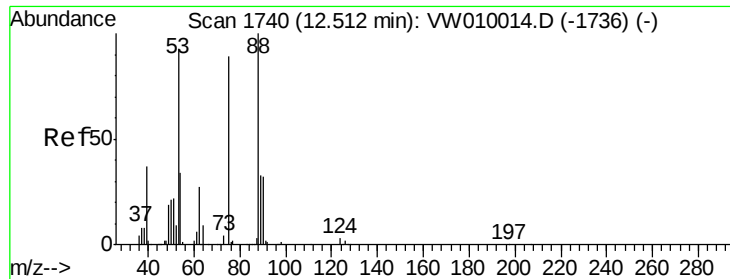
1,2,3-Trichloropropane
Concen: 60.629 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010053.D
Acq: 18 Apr 2019 18:51

Tgt Ion: 75 Resp: 121666
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

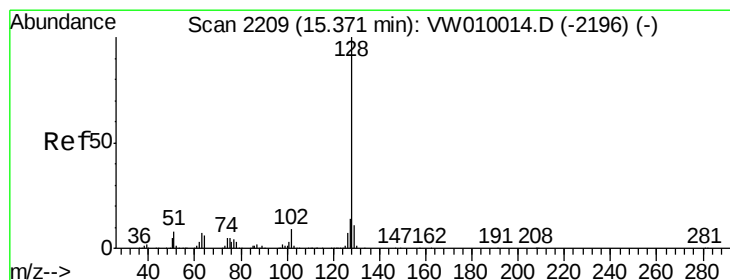
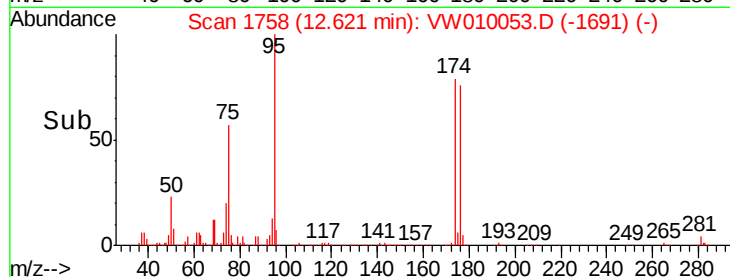
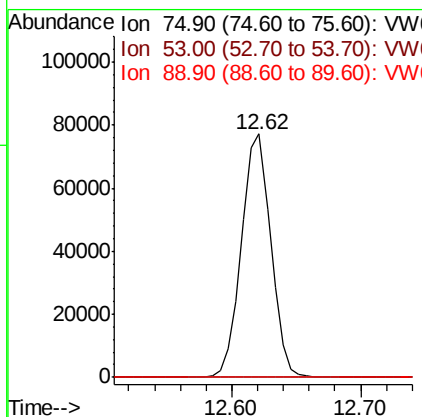
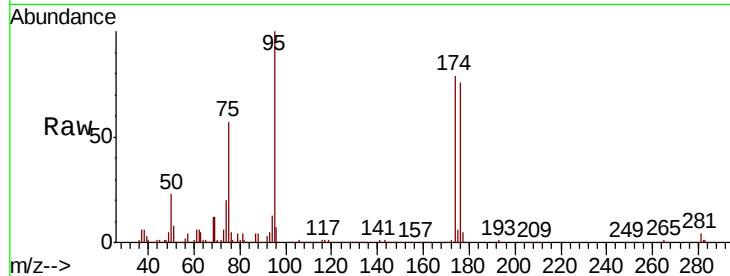




#81
trans-1,4-Dichloro-2-butene
Concen: 142.961 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010053.D
Acq: 18 Apr 2019 18:51

Instrument :
MSVOA_W
ClientSampleId :
TP-11-D2

Tgt Ion: 75 Resp: 121666
Ion Ratio Lower Upper
75 100
53 0.4 89.8 134.8#
89 0.1 36.6 54.8#



#95
Naphthalene
Concen: 2.785 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010053.D
Acq: 18 Apr 2019 18:51

Tgt Ion: 128 Resp: 1169
Ion Ratio Lower Upper
128 100
127 9.6 10.6 15.8#
129 14.0 8.7 13.1#

