

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010044.D
 Acq On : 18 Apr 2019 14:44
 Operator : SY/VA
 Sample : K2411-06
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-S2

Quant Time: Apr 18 15:18:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179022	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	217793	67.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.74%	
35) Dibromofluoromethane	7.88	113	170274	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	
50) Toluene-d8	10.32	98	585665	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.62	95	188435	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

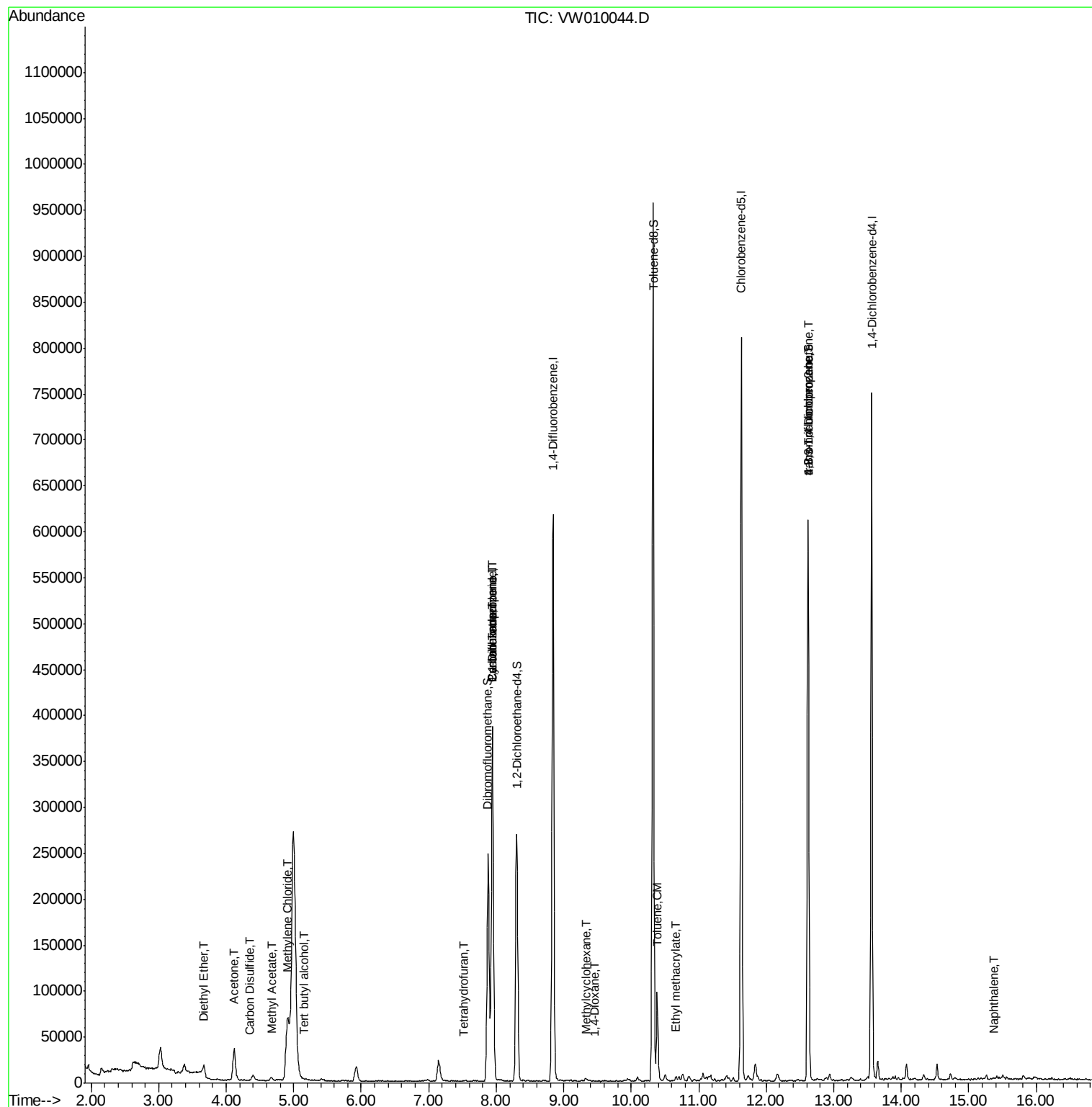
Target Compounds						Qvalue
8) Diethyl Ether	3.68	74	5545	4.152	ug/l	96
11) Tert butyl alcohol	5.16	59	570	3.095	ug/l #	76
16) Acetone	4.12	43	61834	82.438	ug/l	97
17) Carbon Disulfide	4.35	76	390	1.388	ug/l #	74
18) Methyl Acetate	4.67	43	6938	3.997	ug/l #	90
20) Methylene Chloride	4.92	84	68903	21.141	ug/l	98
29) Tetrahydrofuran	7.52	42	664	1.064	ug/l #	53
31) Cyclohexane	7.94	56	7501	1.435	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	23244	4.754	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28525	5.977	ug/l #	17
39) Methylcyclohexane	9.32	83	504	1.280	ug/l #	66
49) 1,4-Dioxane	9.46	88	84	3.018	ug/l #	27
52) Toluene	10.38	92	38554	4.629	ug/l	97
56) Ethyl methacrylate	10.66	69	552	2.790	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	105983	59.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105983	139.475	ug/l #	6
95) Naphthalene	15.37	128	1855	2.898	ug/l	97

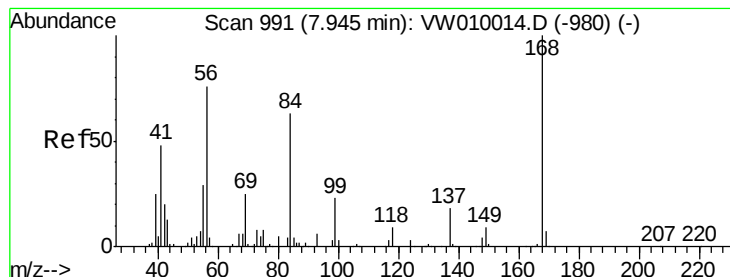
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
Data File : VW010044.D
Acq On : 18 Apr 2019 14:44
Operator : SY/VA
Sample : K2411-06
Misc : 6.02G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-14-S2

Quant Time: Apr 18 15:18:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 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: VW010044.D

Acq: 18 Apr 2019 14:44

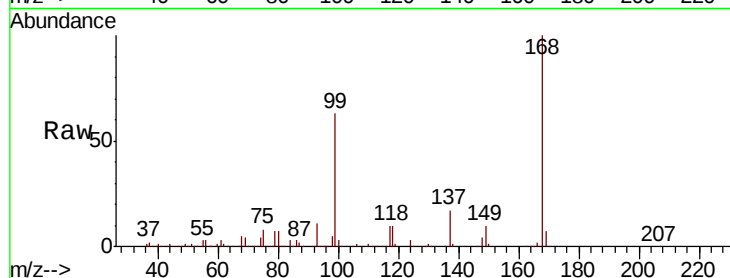
Instrument :
MSVOA_W
ClientSampled :
TP-14-S2

Tgt Ion:168 Resp: 261963

Ion Ratio Lower Upper

168 100

99 62.9 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

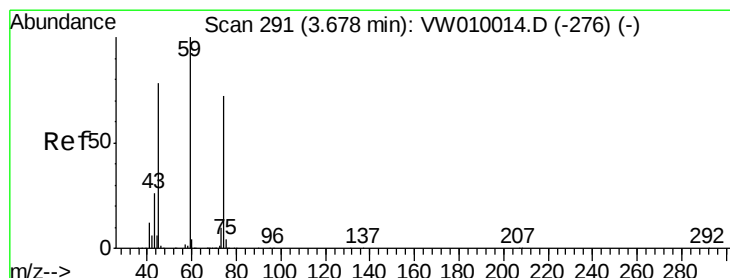
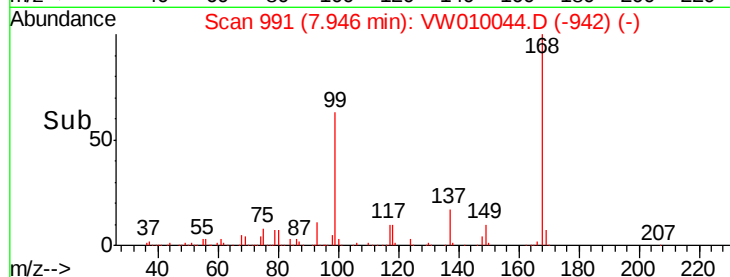
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 4.152 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW010044.D

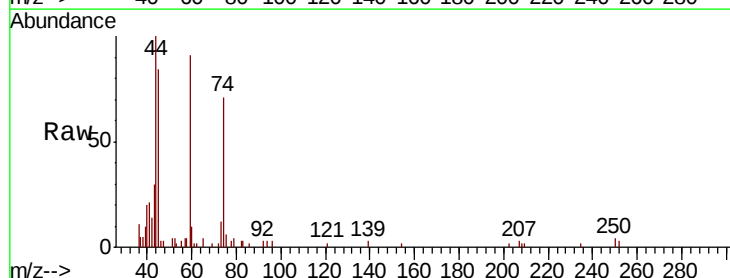
Acq: 18 Apr 2019 14:44

Tgt Ion: 74 Resp: 5545

Ion Ratio Lower Upper

74 100

45 116.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3000

2500

2000

1500

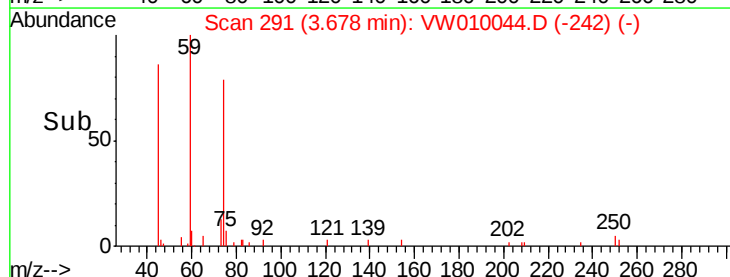
1000

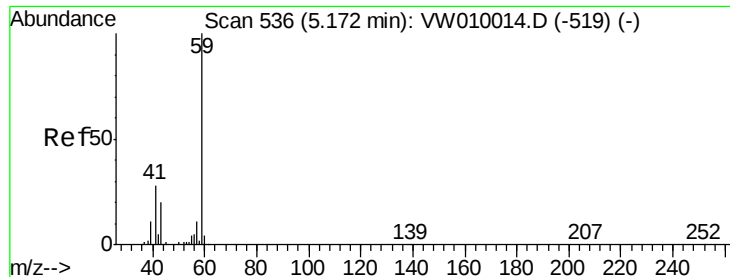
500

0

3.60 3.65 3.70 3.75 3.80

Time-->

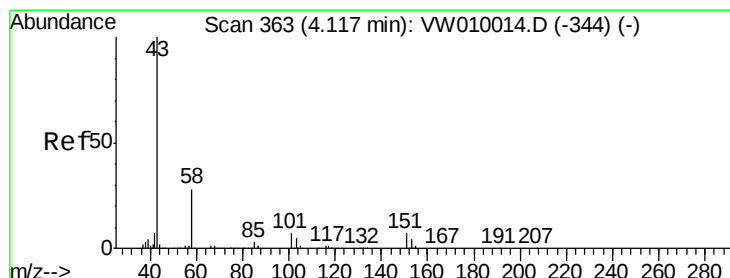
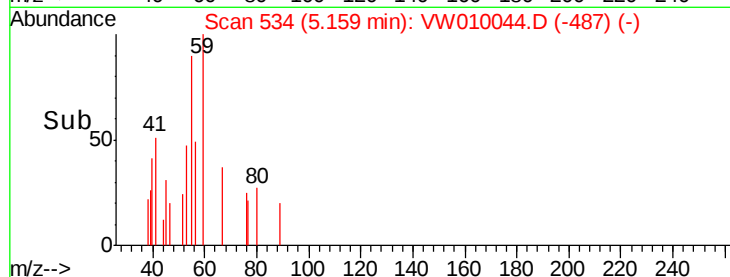
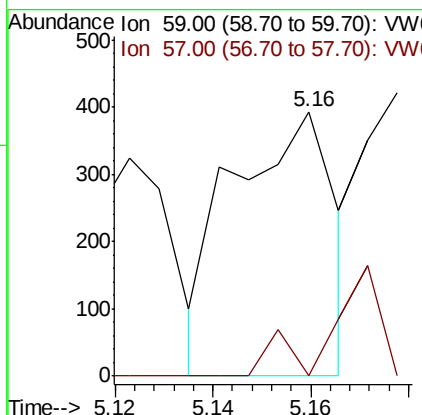
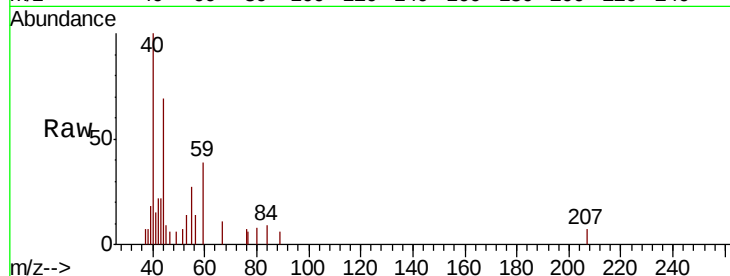




#11
Tert butyl alcohol
Concen: 3.095 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010044.D
Acq: 18 Apr 2019 14:44

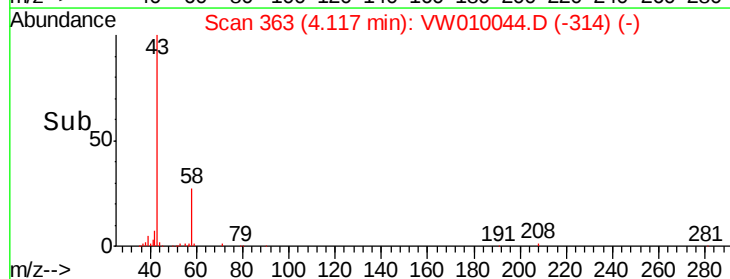
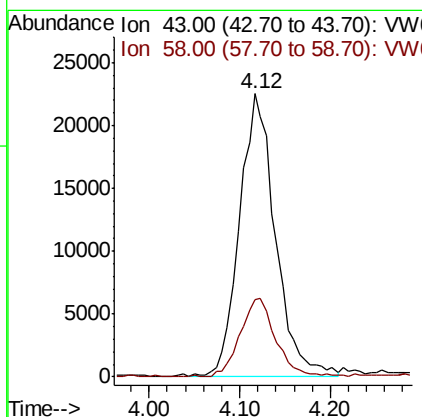
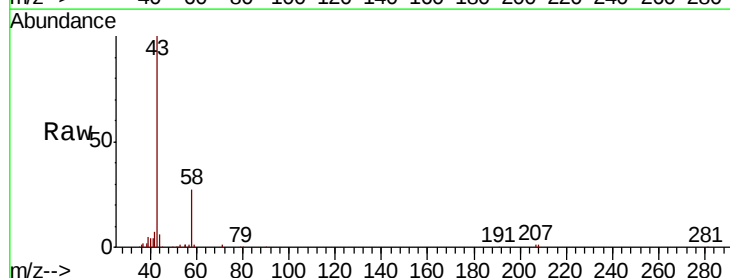
Instrument :
MSVOA_W
ClientSampleId :
TP-14-S2

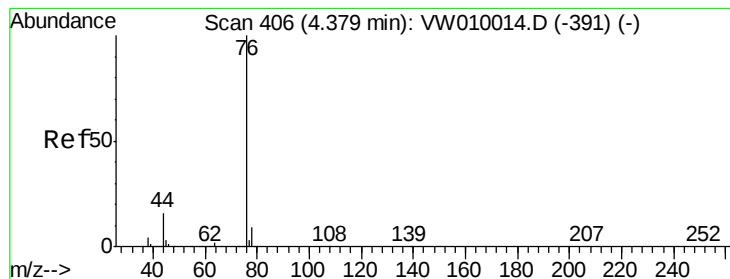
Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 20.5 9.0 13.4#



#16
Acetone
Concen: 82.438 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW010044.D
Acq: 18 Apr 2019 14:44

Tgt Ion: 43 Resp: 61834
Ion Ratio Lower Upper
43 100
58 26.8 22.7 34.1





#17

Carbon Disulfide

Concen: 1.388 ug/l

RT: 4.35 min Scan# 402

Delta R.T. -0.02 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

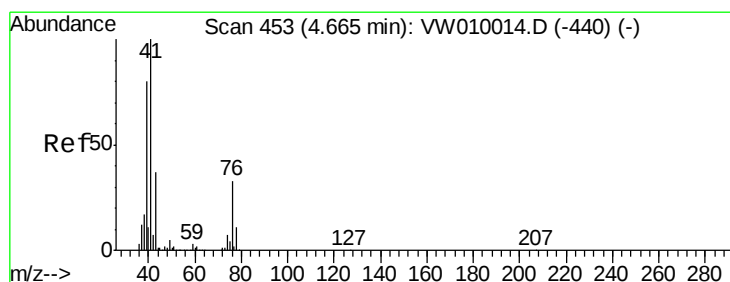
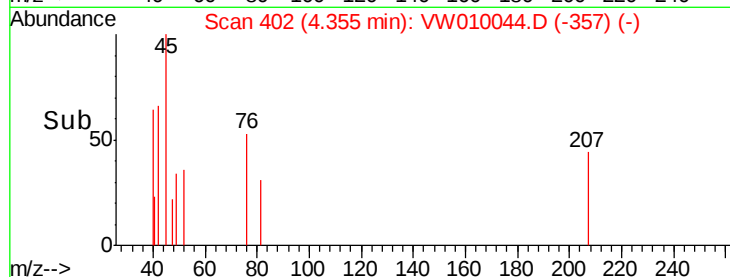
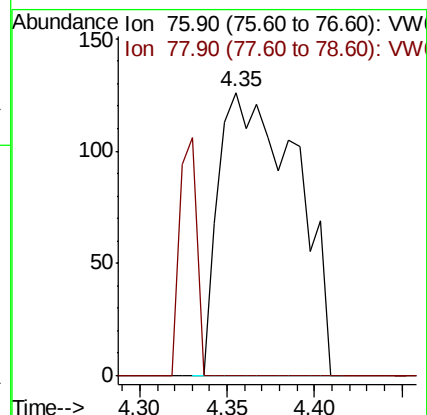
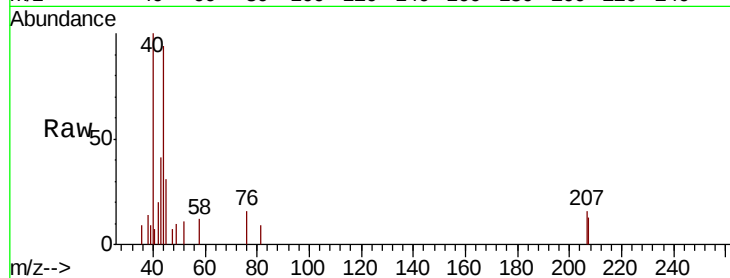
TP-14-S2

Tgt Ion: 76 Resp: 390

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



#18

Methyl Acetate

Concen: 3.997 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010044.D

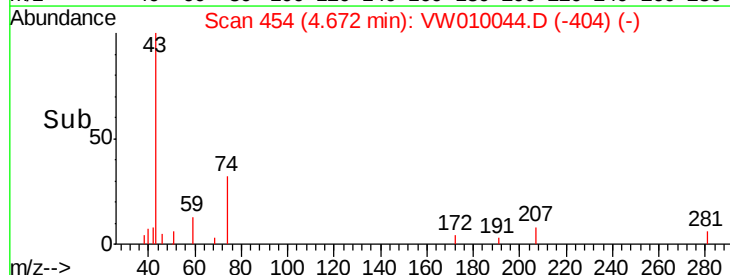
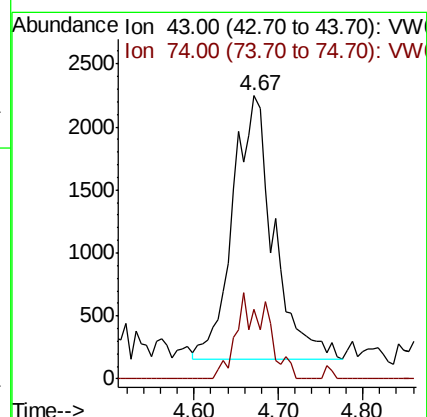
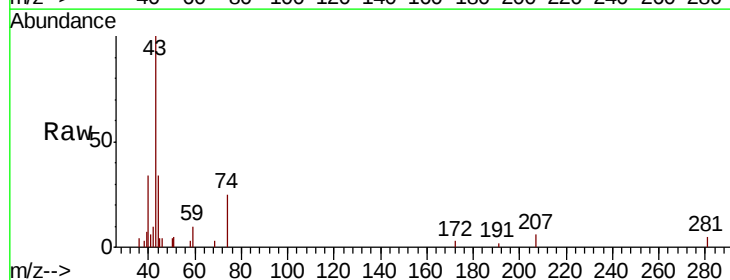
Acq: 18 Apr 2019 14:44

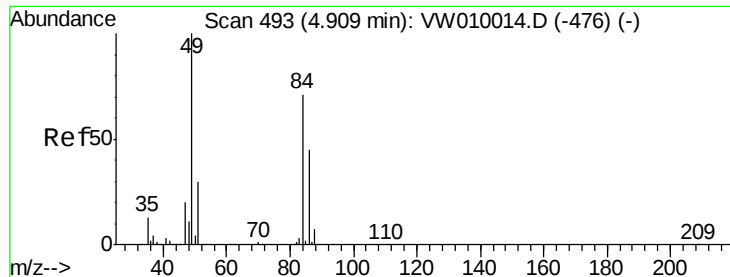
Tgt Ion: 43 Resp: 6938

Ion Ratio Lower Upper

43 100

74 16.1 16.8 25.2#

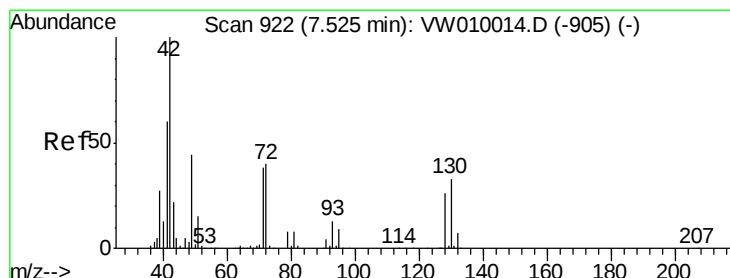
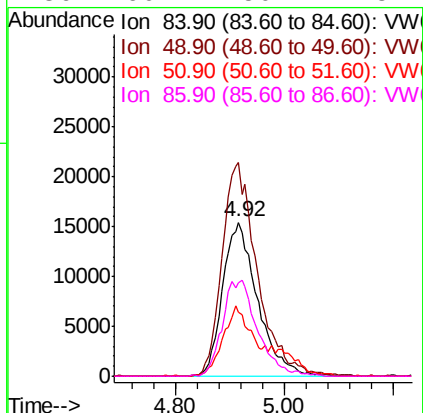
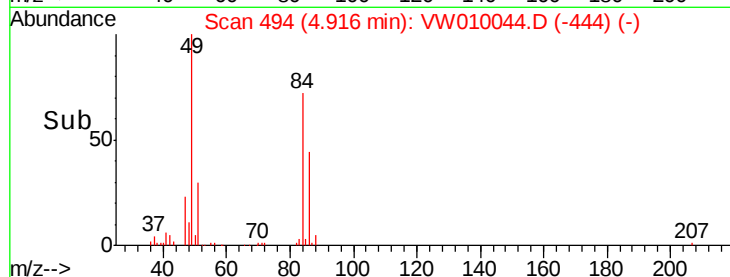
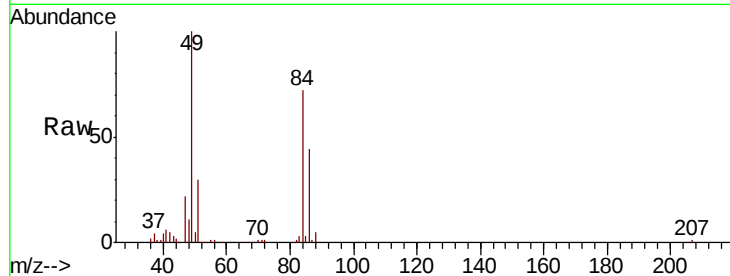




#20
Methylene Chloride
Concen: 21.141 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010044.D
Acq: 18 Apr 2019 14:44

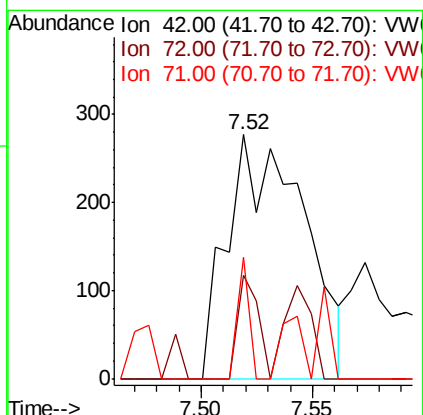
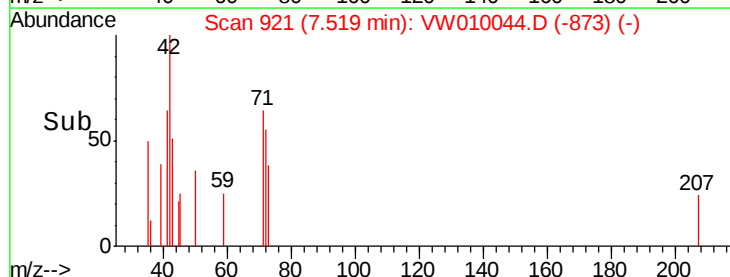
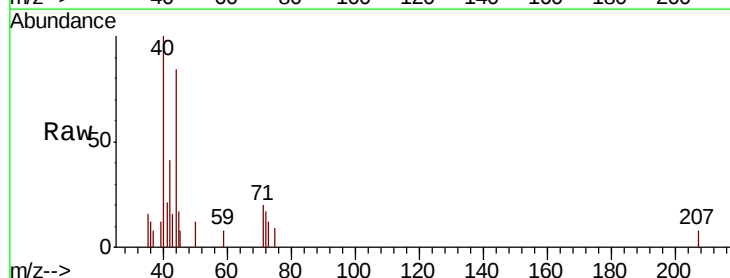
Instrument :
MSVOA_W
ClientSampleId :
TP-14-S2

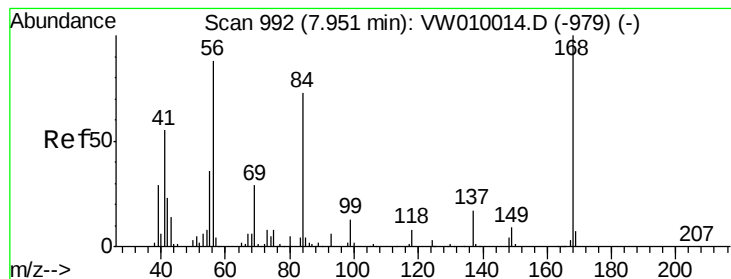
Tgt Ion: 84 Resp: 68903
Ion Ratio Lower Upper
84 100
49 138.9 112.3 168.5
51 41.6 33.9 50.9
86 60.7 50.2 75.4



#29
Tetrahydrofuran
Concen: 1.064 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW010044.D
Acq: 18 Apr 2019 14:44

Tgt Ion: 42 Resp: 664
Ion Ratio Lower Upper
42 100
72 11.3 31.0 46.6#
71 7.5 29.7 44.5#





#31

Cyclohexane

Concen: 1.435 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

TP-14-S2

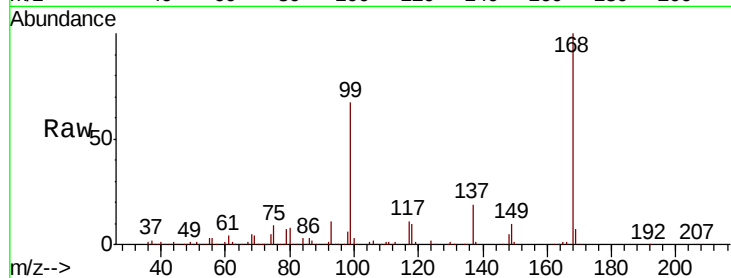
Tgt Ion: 56 Resp: 7501

Ion Ratio Lower Upper

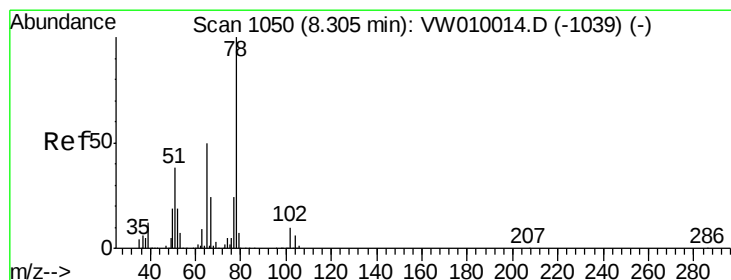
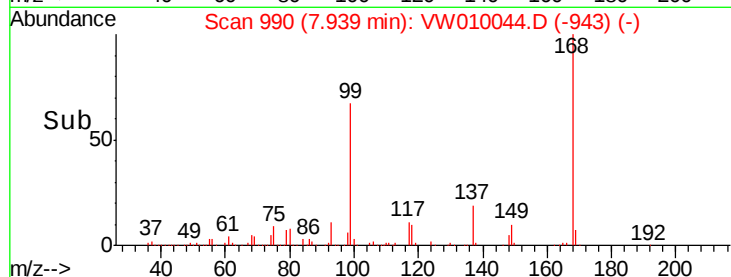
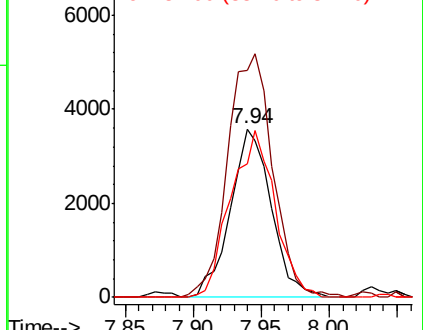
56 100

69 133.3 26.6 40.0#

84 78.9 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 67.371 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010044.D

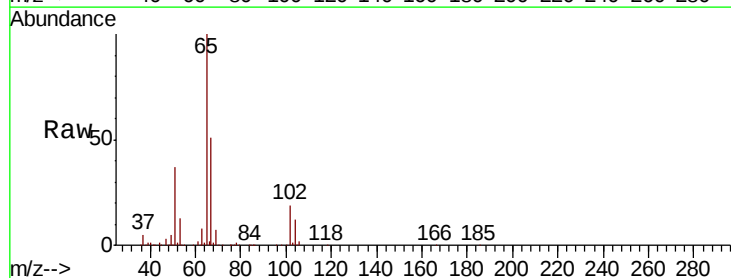
Acq: 18 Apr 2019 14:44

Tgt Ion: 65 Resp: 217793

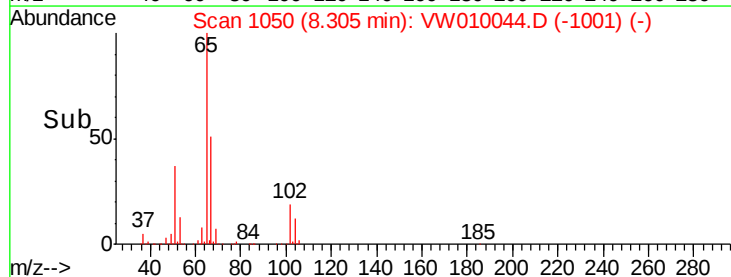
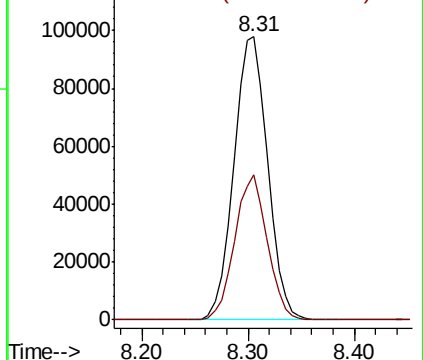
Ion Ratio Lower Upper

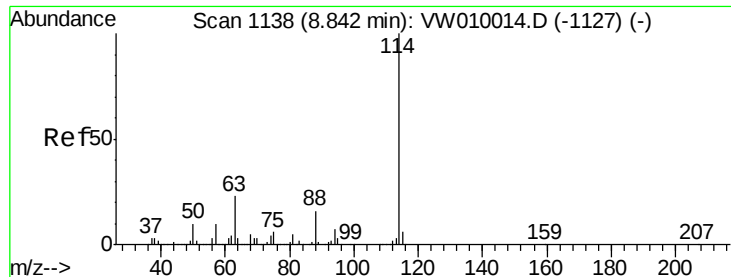
65 100

67 49.4 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

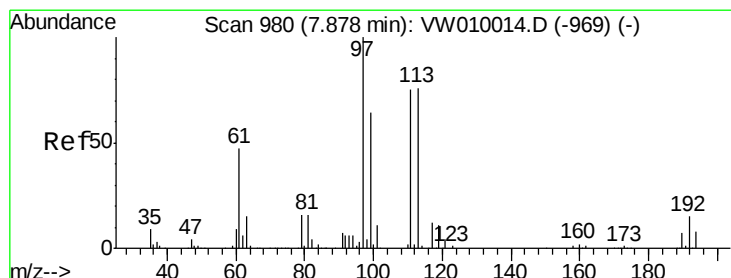
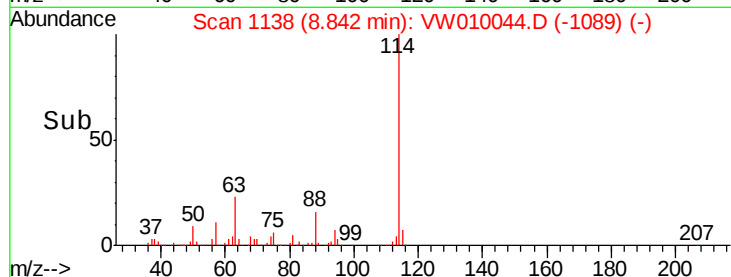
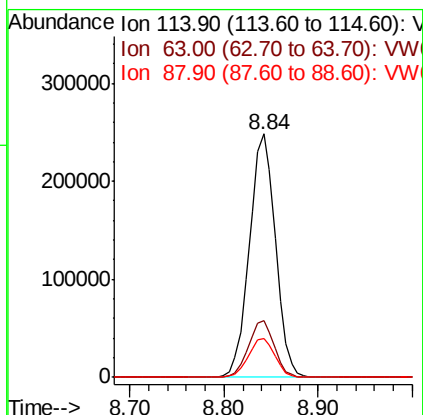
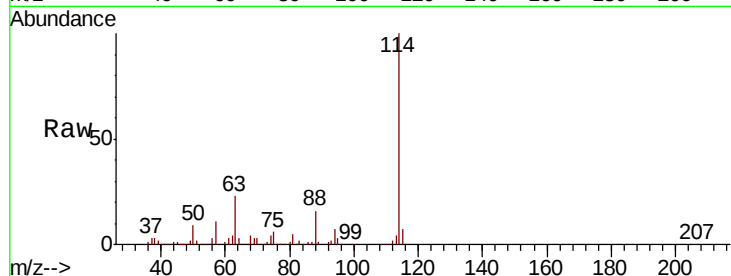




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010044.D
 Acq: 18 Apr 2019 14:44

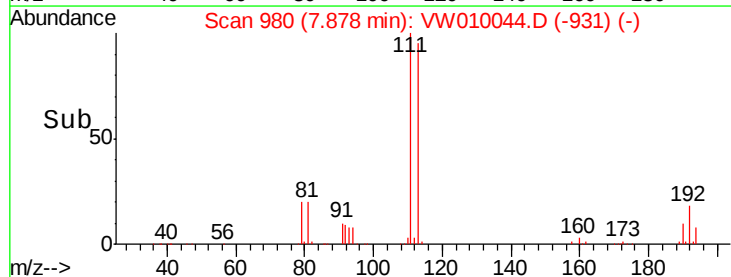
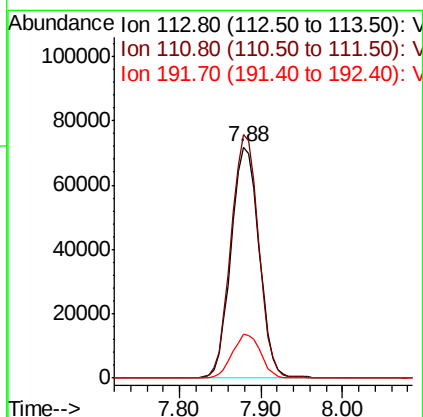
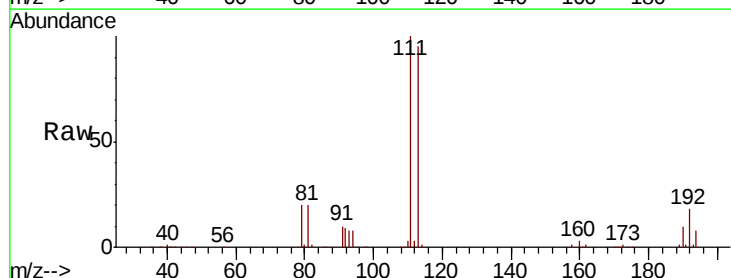
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-S2

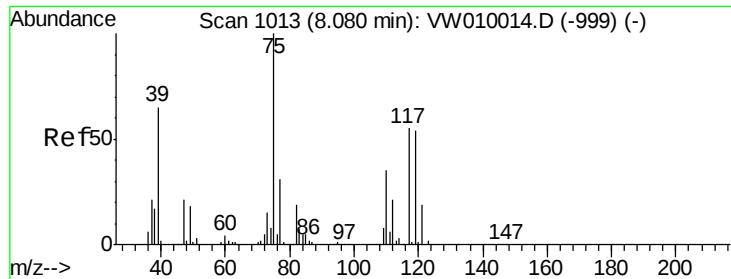
Tgt Ion:114 Resp: 478702
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.2
 88 16.2 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 55.948 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010044.D
 Acq: 18 Apr 2019 14:44

Tgt Ion:113 Resp: 170274
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.6 123.8
 192 19.2 15.4 23.2

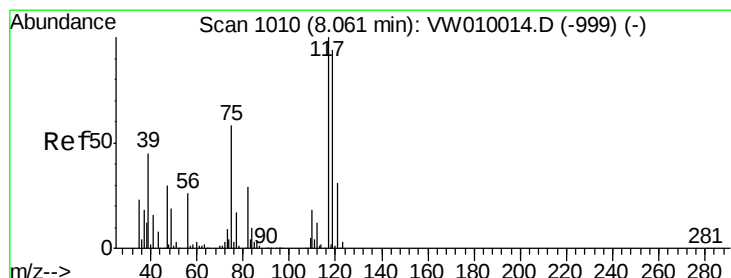
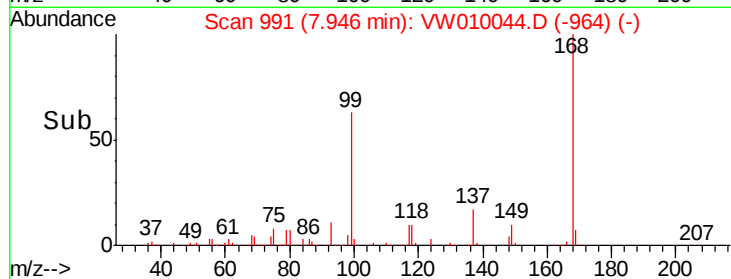
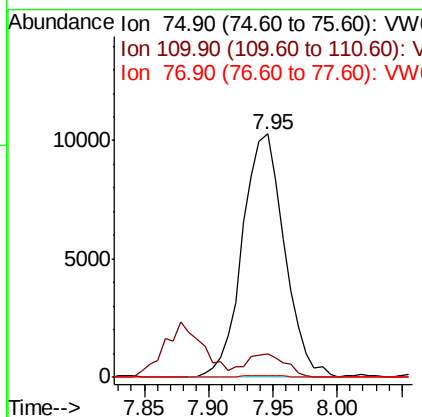
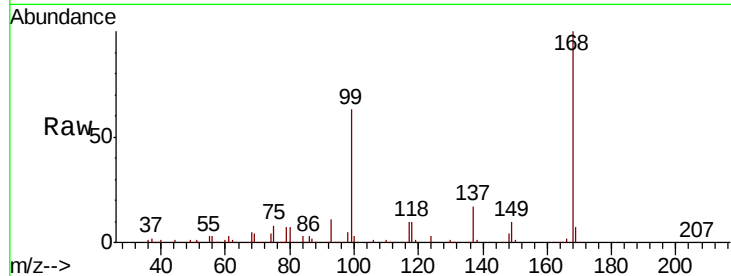




#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010044.D
 Acq: 18 Apr 2019 14:44

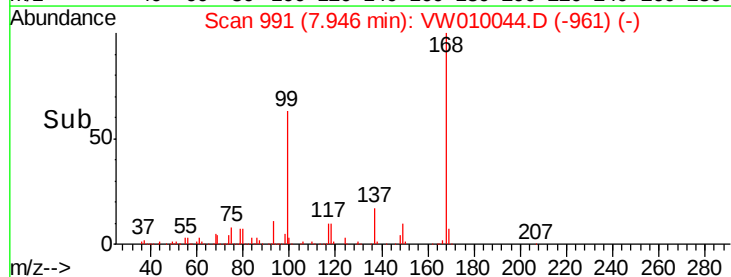
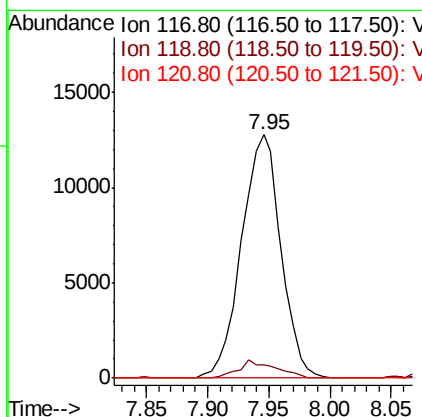
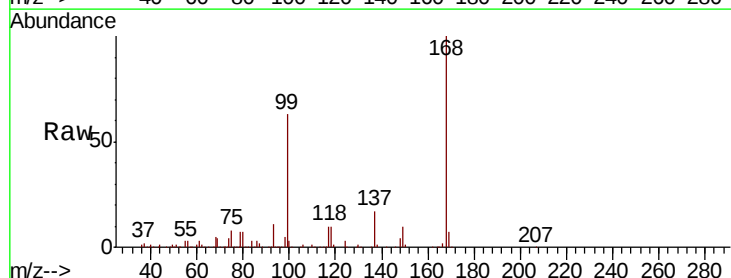
Instrument :
 MSVOA_W
 ClientSampled :
 TP-14-S2

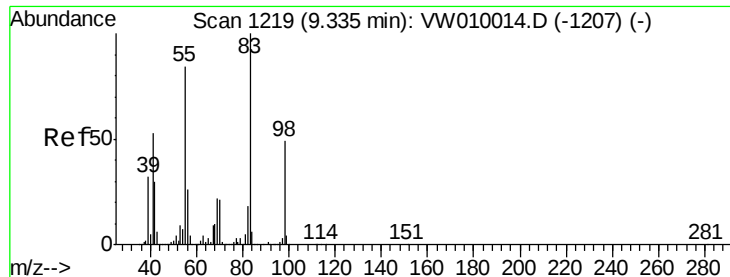
Tgt Ion: 75 Resp: 23244
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.6 49.8#
 77 0.4 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.977 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010044.D
 Acq: 18 Apr 2019 14:44

Tgt Ion: 117 Resp: 28525
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.3 112.9#
 121 0.0 24.4 36.6#

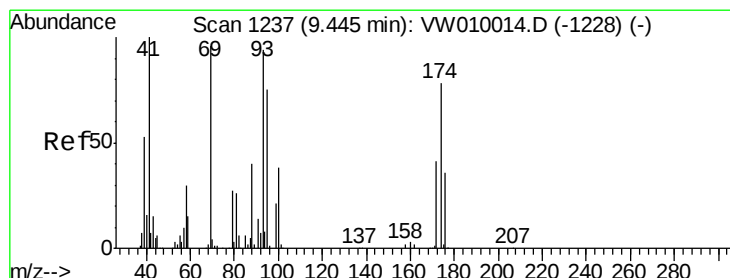
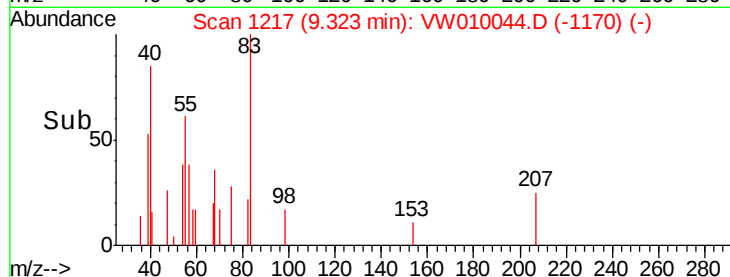
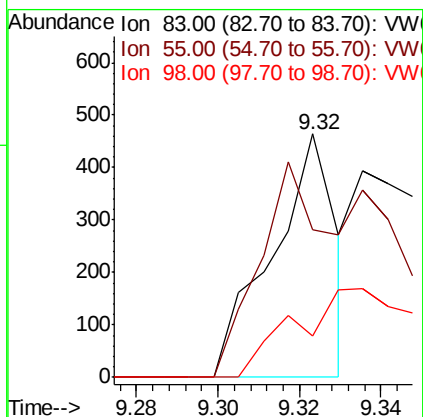
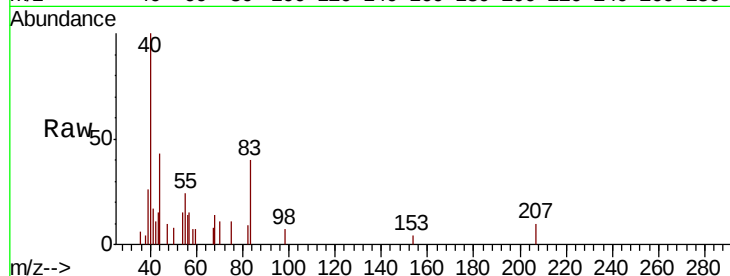




#39
Methylcyclohexane
Concen: 1.280 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VW010044.D
Acq: 18 Apr 2019 14:44

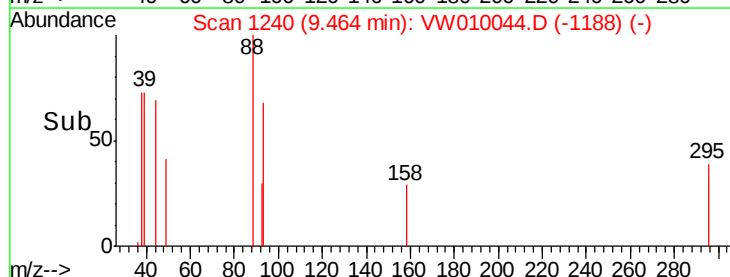
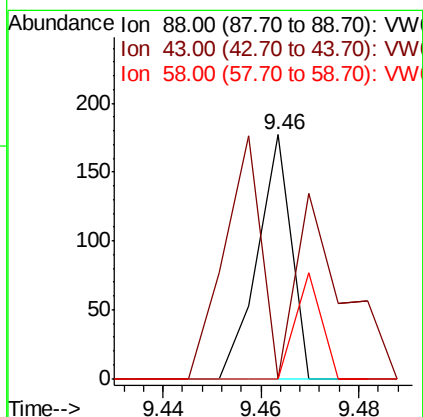
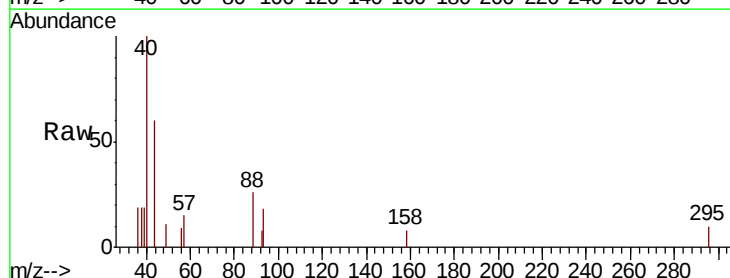
Instrument :
MSVOA_W
ClientSampled :
TP-14-S2

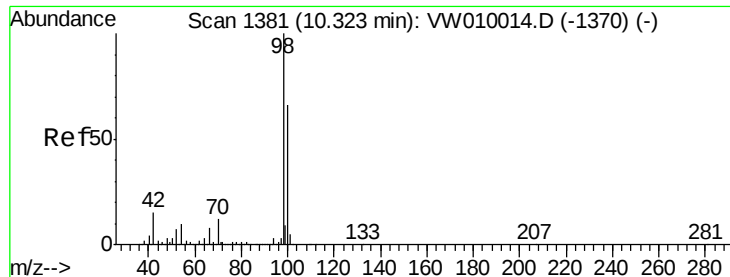
Tgt Ion: 83 Resp: 504
Ion Ratio Lower Upper
83 100
55 60.6 67.1 100.7#
98 17.0 39.2 58.8#



#49
1,4-Dioxane
Concen: 3.018 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW010044.D
Acq: 18 Apr 2019 14:44

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 110.7 31.9 47.9#
58 33.3 61.8 92.6#





#50

Toluene-d8

Concen: 51.355 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

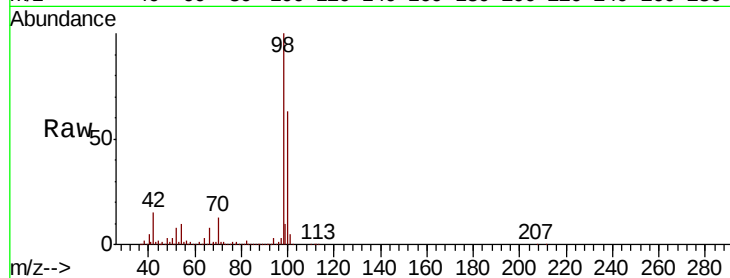
TP-14-S2

Tgt Ion: 98 Resp: 585665

Ion Ratio Lower Upper

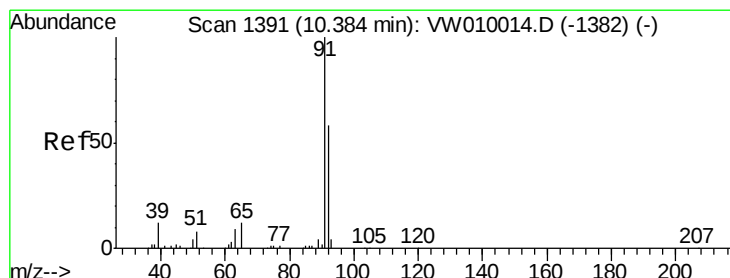
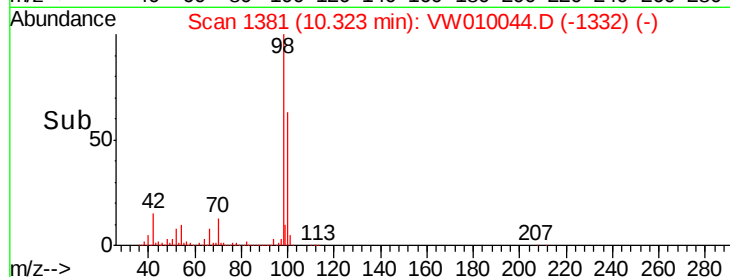
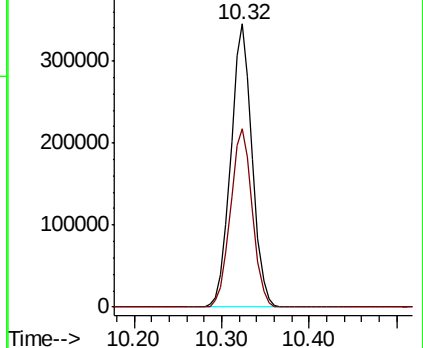
98 100

100 64.4 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: 4.629 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010044.D

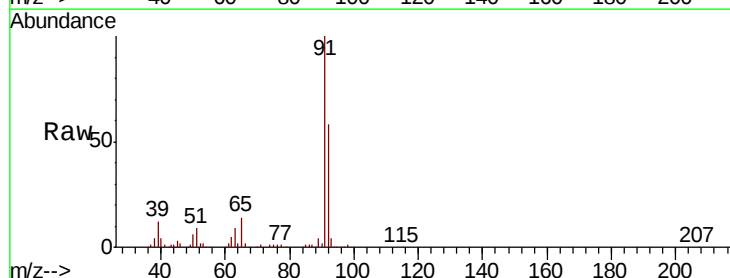
Acq: 18 Apr 2019 14:44

Tgt Ion: 92 Resp: 38554

Ion Ratio Lower Upper

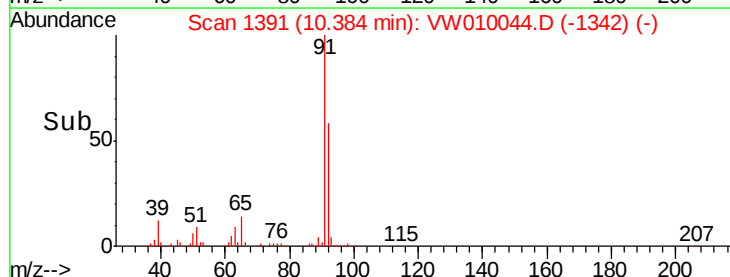
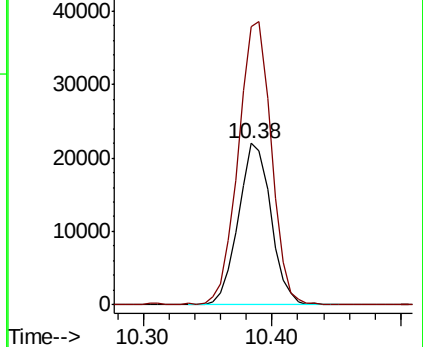
92 100

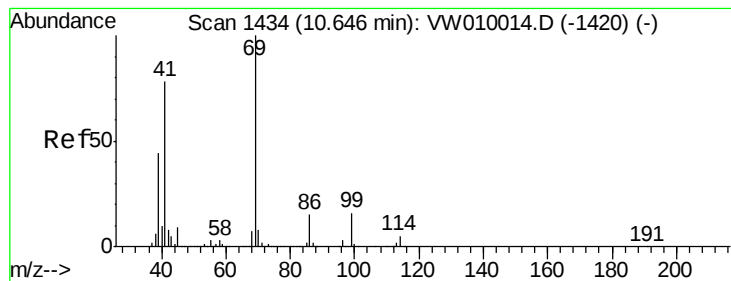
91 177.6 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#56

Ethyl methacrylate

Concen: 2.790 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

TP-14-S2

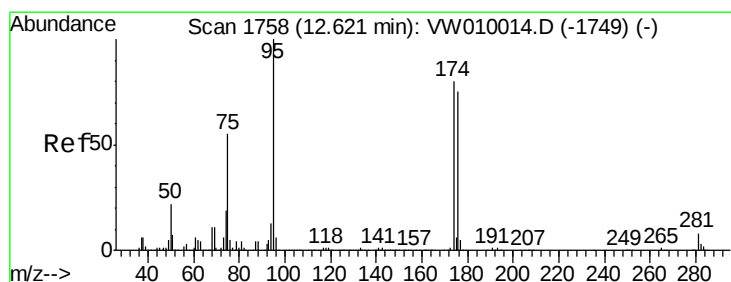
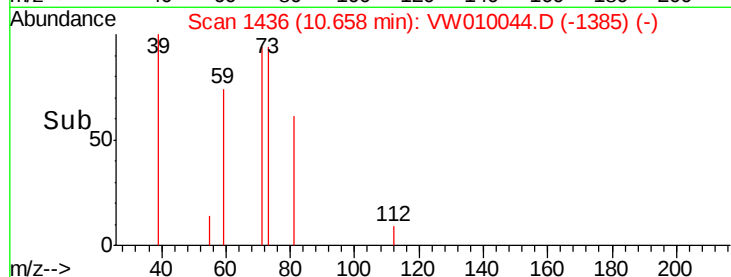
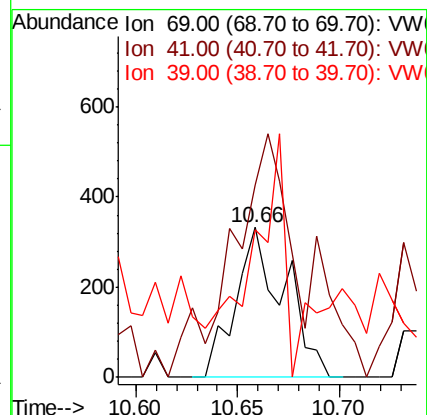
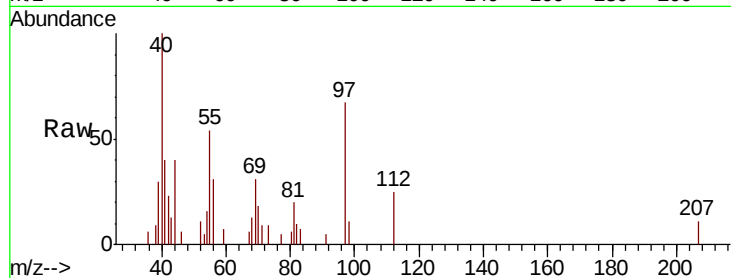
Tgt Ion: 69 Resp: 552

Ion Ratio Lower Upper

69 100

41 189.5 61.0 91.6#

39 76.1 33.8 50.6#



#62

4-Bromofluorobenzene

Concen: 45.456 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

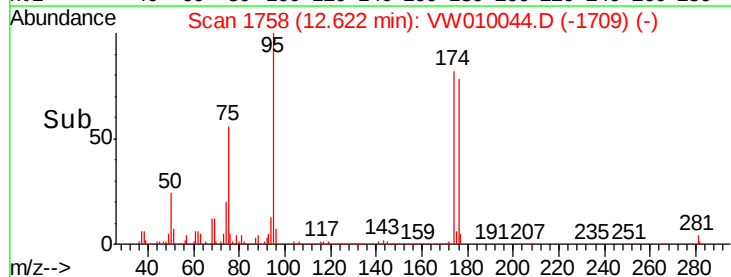
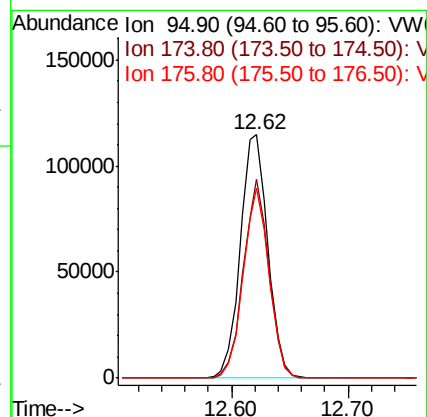
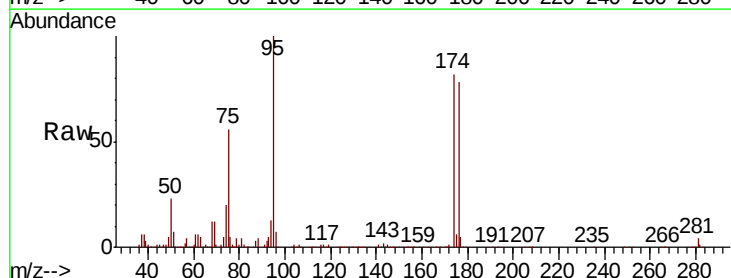
Tgt Ion: 95 Resp: 188435

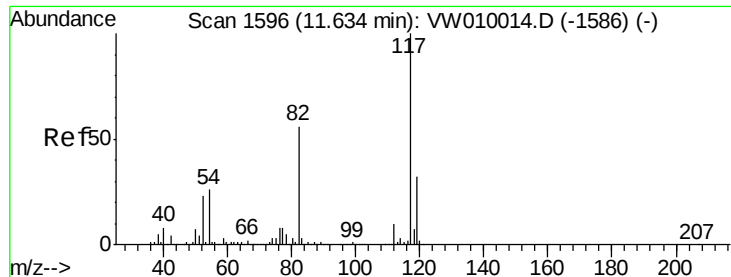
Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

176 73.2 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

TP-14-S2

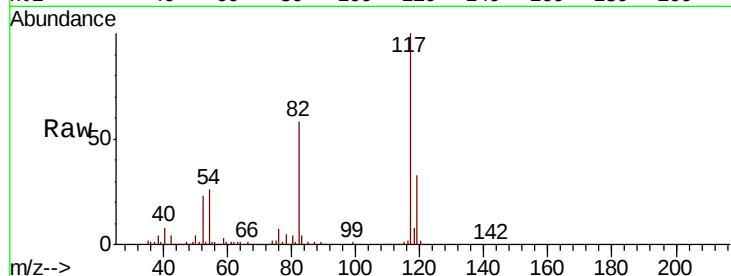
Tgt Ion:117 Resp: 422424

Ion Ratio Lower Upper

117 100

82 58.4 45.2 67.8

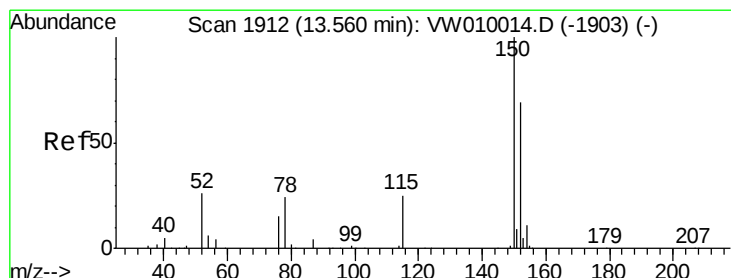
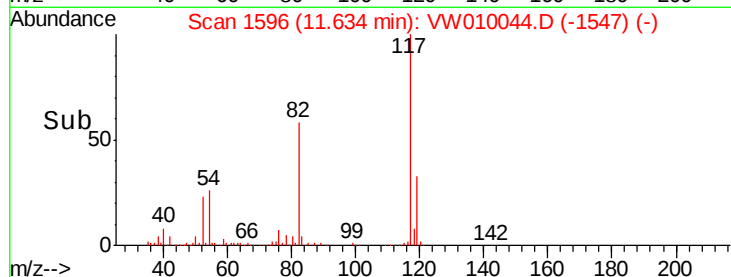
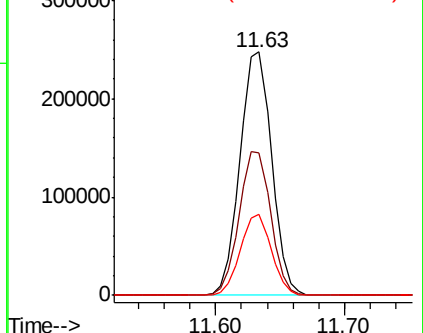
119 33.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010044.D

Acq: 18 Apr 2019 14:44

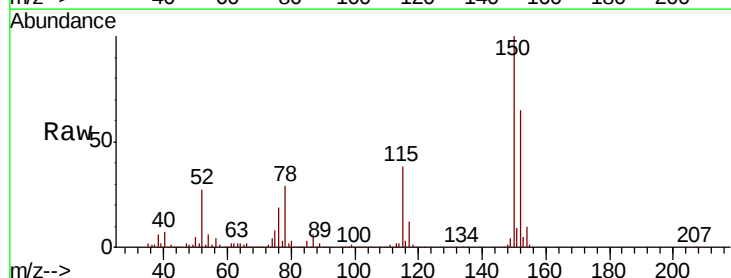
Tgt Ion:152 Resp: 179022

Ion Ratio Lower Upper

152 100

115 59.3 30.4 91.2

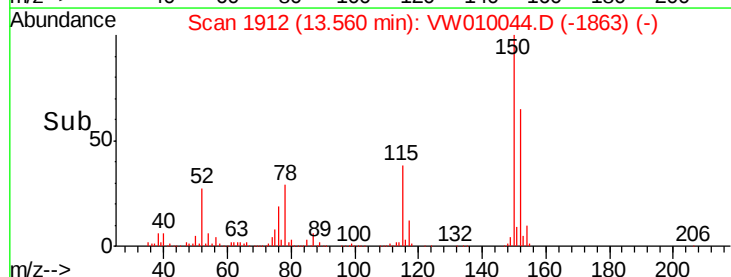
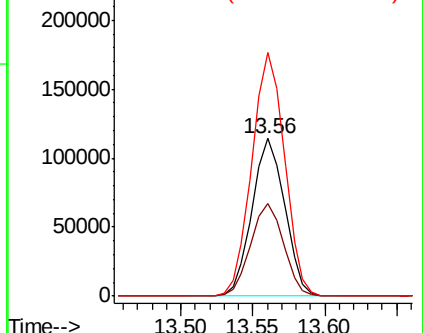
150 154.8 0.0 347.0

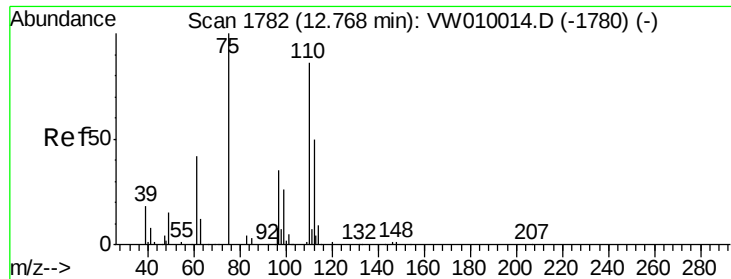


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

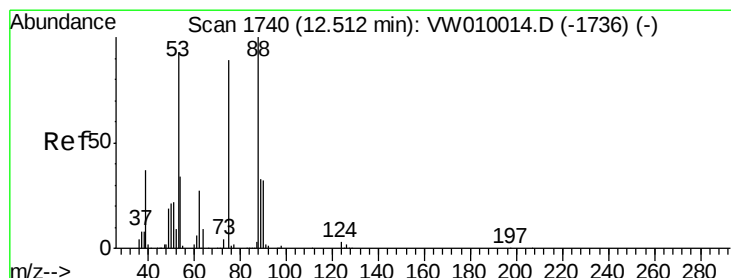
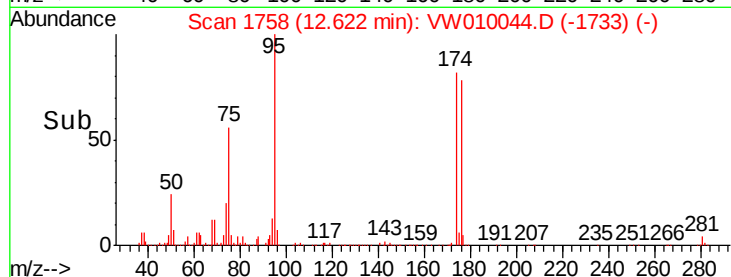
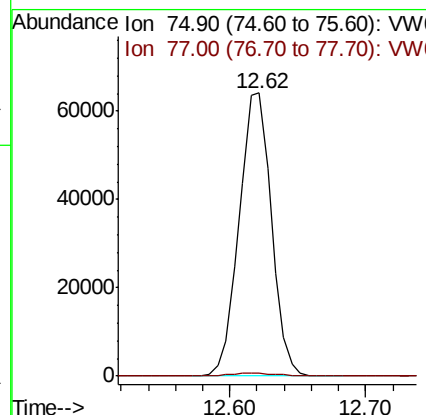
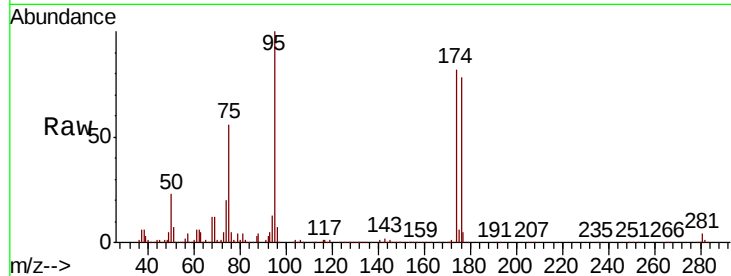




#76
 1,2,3-Trichloropropane
 Concen: 59.151 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010044.D
 Acq: 18 Apr 2019 14:44

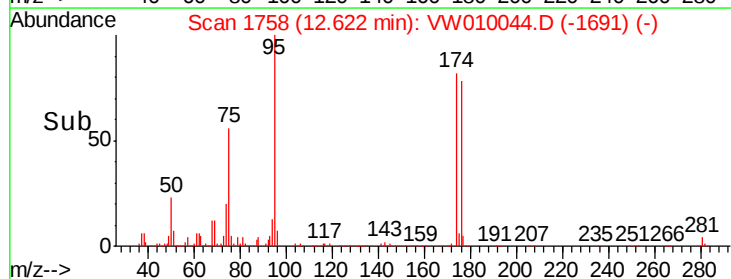
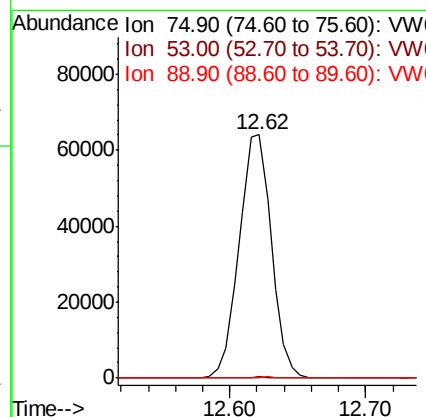
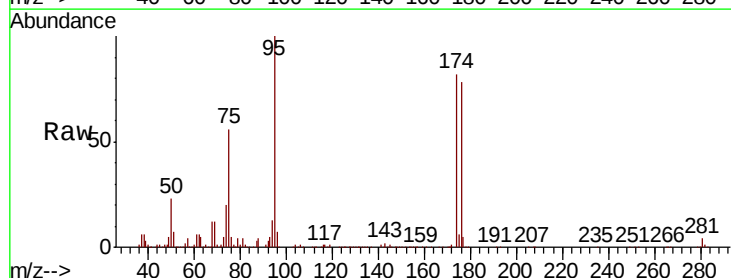
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-S2

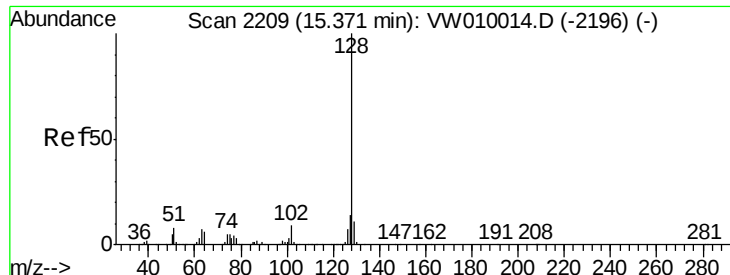
Tgt Ion: 75 Resp: 105983
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.475 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010044.D
 Acq: 18 Apr 2019 14:44

Tgt Ion: 75 Resp: 105983
 Ion Ratio Lower Upper
 75 100
 53 0.5 89.8 134.8#
 89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 2.898 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010044.D

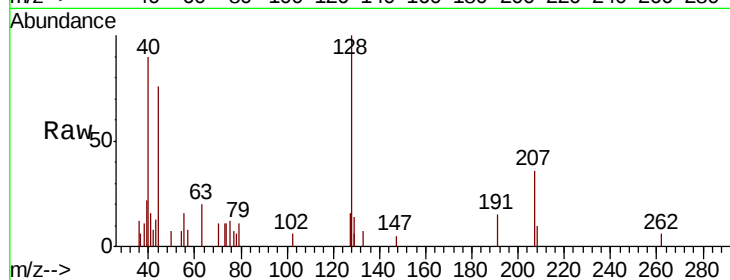
Acq: 18 Apr 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

TP-14-S2



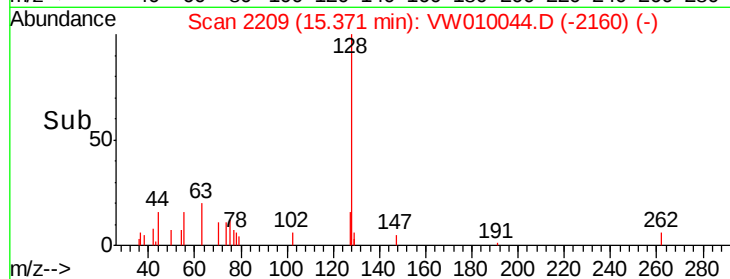
Tgt Ion:128 Resp: 1855

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 9.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

