

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041819\
 Data File : VW010051.D
 Acq On : 18 Apr 2019 17:56
 Operator : SY/VA
 Sample : K2411-10RE
 Misc : 5.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-D2RE

Quant Time: Apr 18 18:16:15 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

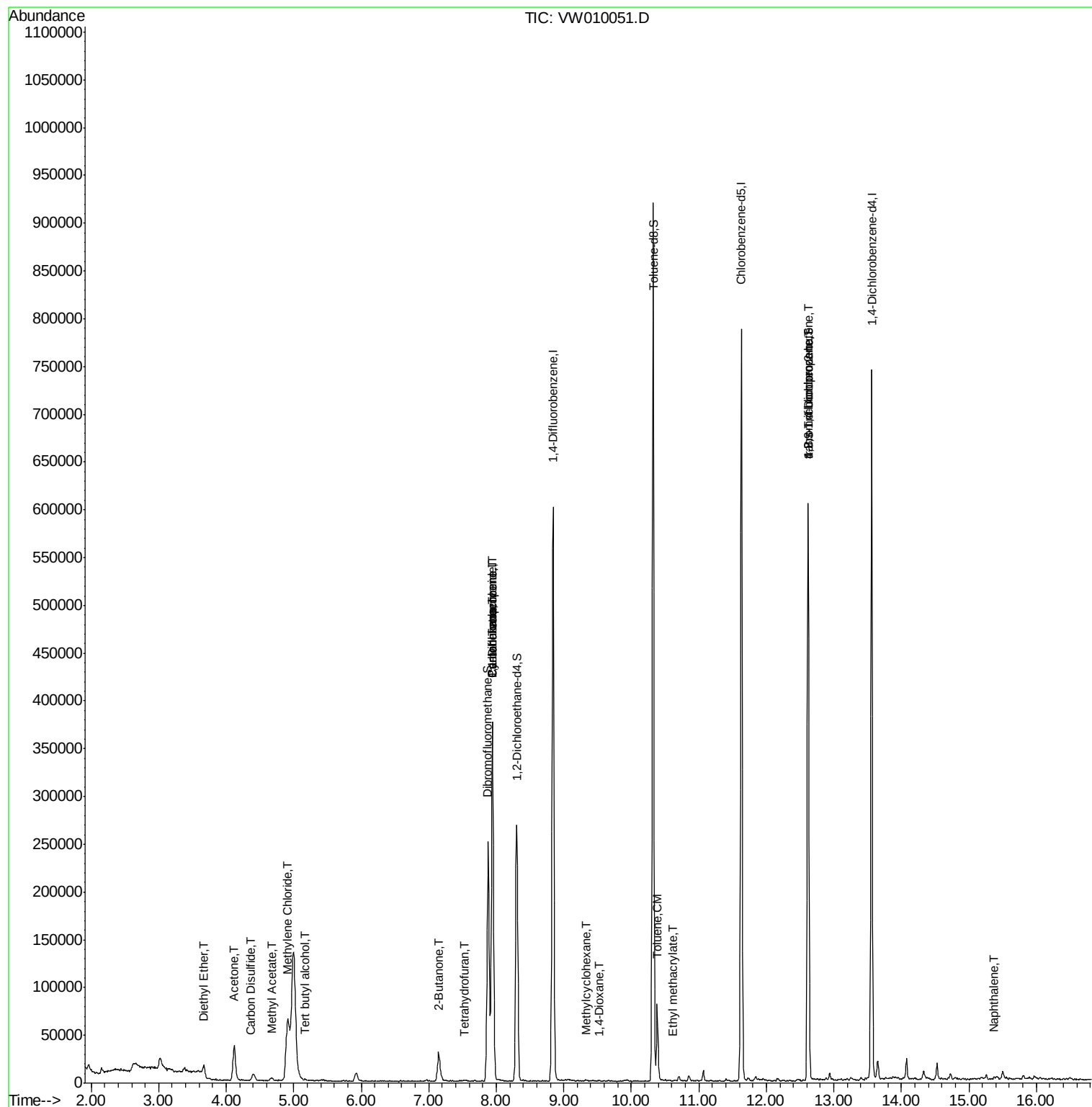
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	463429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	217406	67.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.22%	
35) Dibromofluoromethane	7.88	113	168443	57.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.34%	
50) Toluene-d8	10.32	98	567827	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	185376	46.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.38%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	6340	4.773	ug/l	98
11) Tert butyl alcohol	5.17	59	362	1.976	ug/l #	60
16) Acetone	4.12	43	66479	89.107	ug/l	98
17) Carbon Disulfide	4.36	76	64	1.347	ug/l #	74
18) Methyl Acetate	4.67	43	5580	3.232	ug/l #	76
20) Methylene Chloride	4.92	84	64614	19.662	ug/l	95
25) 2-Butanone	7.16	43	2003	2.044	ug/l #	81
29) Tetrahydrofuran	7.53	42	917	1.477	ug/l #	63
31) Cyclohexane	7.94	56	7464	1.435	ug/l #	25
36) 1,1-Dichloropropene	7.94	75	24218	5.116	ug/l #	51
38) Carbon Tetrachloride	7.94	117	27735	6.003	ug/l #	18
39) Methylcyclohexane	9.34	83	257	1.241	ug/l #	81
49) 1,4-Dioxane	9.54	88	32	1.188	ug/l #	1
52) Toluene	10.38	92	31319	3.884	ug/l	98
56) Ethyl methacrylate	10.61	69	124	2.676	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	102010	57.538	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	102010	135.671	ug/l #	6
95) Naphthalene	15.37	128	2049	2.928	ug/l #	92

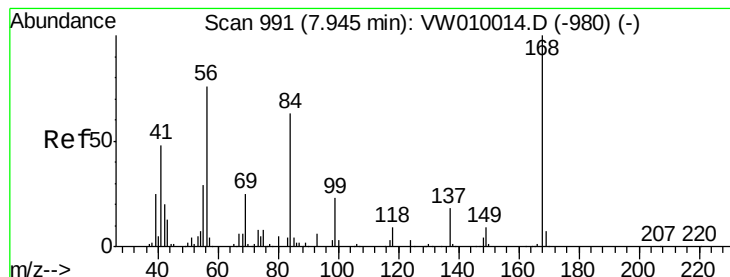
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010051.D

Acq: 18 Apr 2019 17:56

Instrument :

MSVOA_W

ClientSampleId :

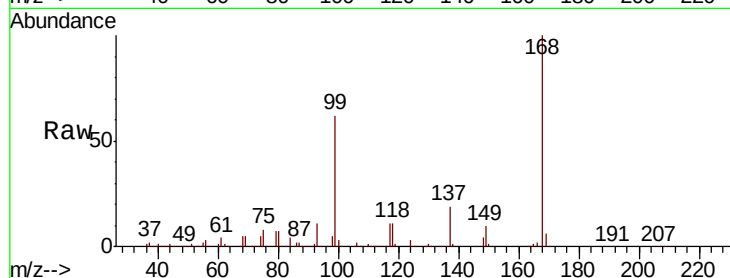
TP-14-D2RE

Tgt Ion:168 Resp: 260562

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

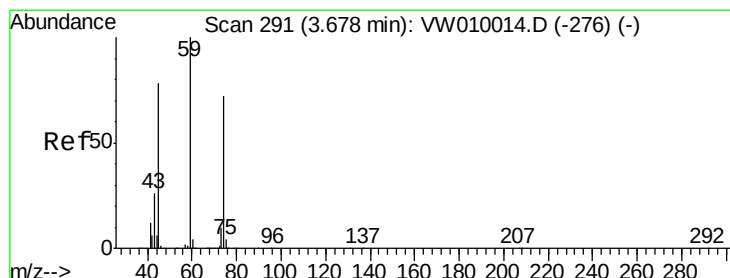
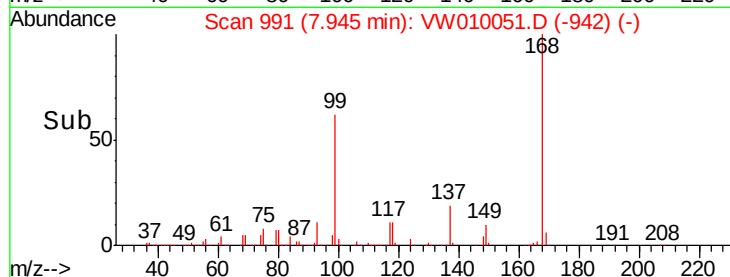
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 4.773 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW010051.D

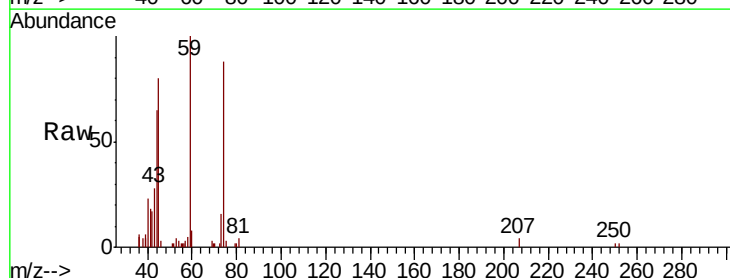
Acq: 18 Apr 2019 17:56

Tgt Ion: 74 Resp: 6340

Ion Ratio Lower Upper

74 100

45 113.7 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

3000

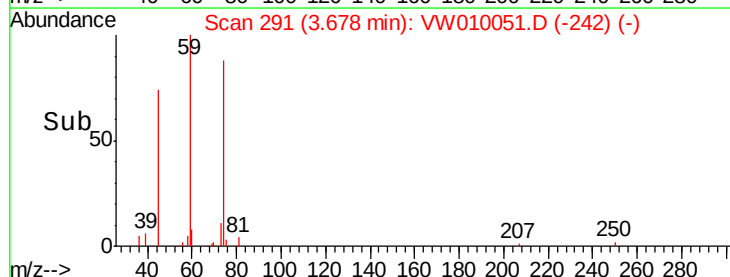
2000

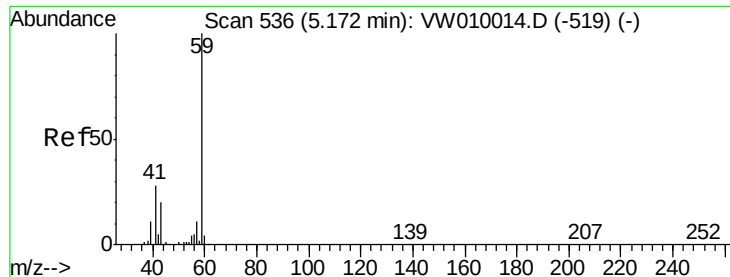
1000

0

3.60 3.65 3.70 3.75

Time-->

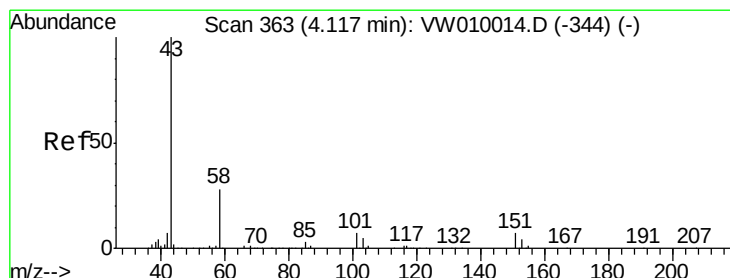
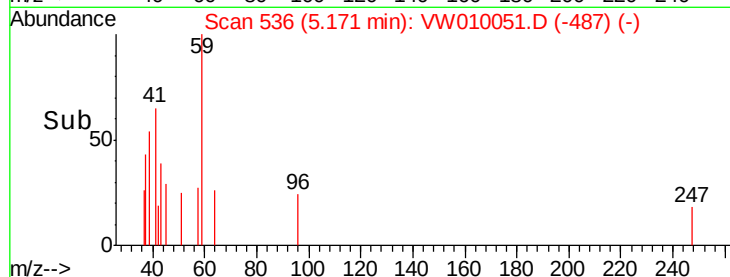
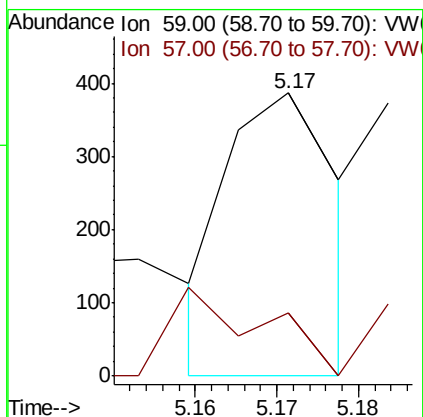
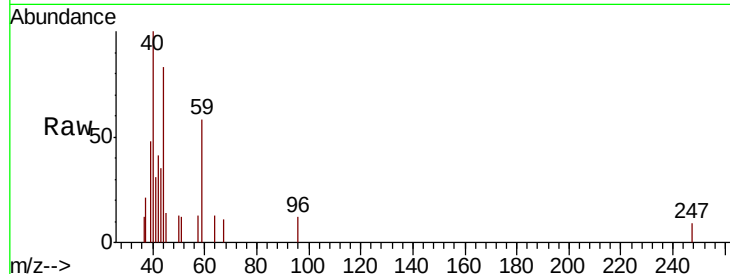




#11
Tert butyl alcohol
Concen: 1.976 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

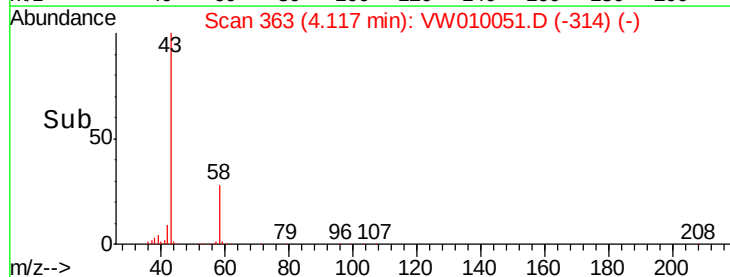
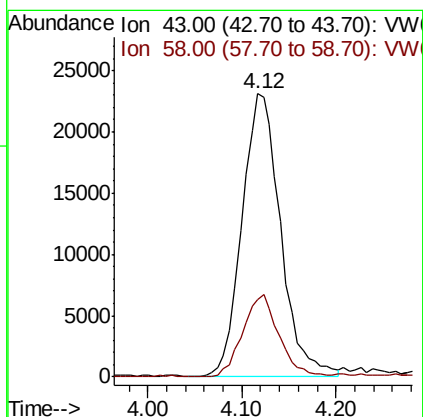
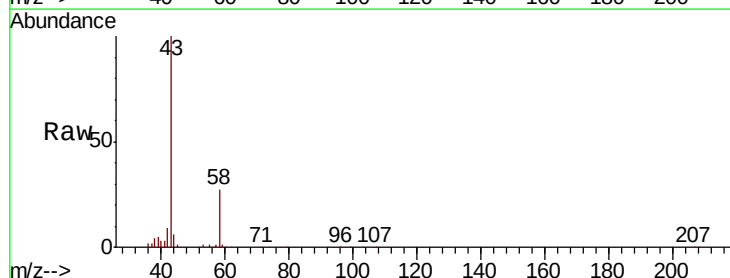
Instrument :
MSVOA_W
ClientSampled :
TP-14-D2RE

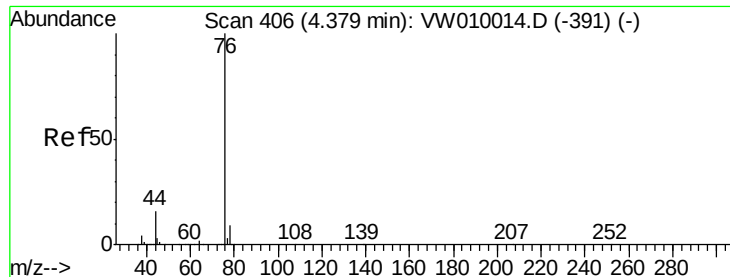
Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 26.5 9.0 13.4#



#16
Acetone
Concen: 89.107 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

Tgt Ion: 43 Resp: 66479
Ion Ratio Lower Upper
43 100
58 27.4 22.7 34.1

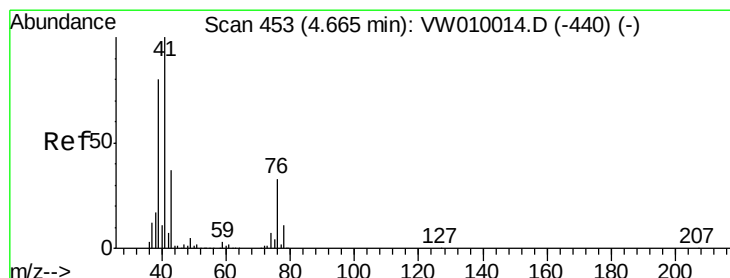
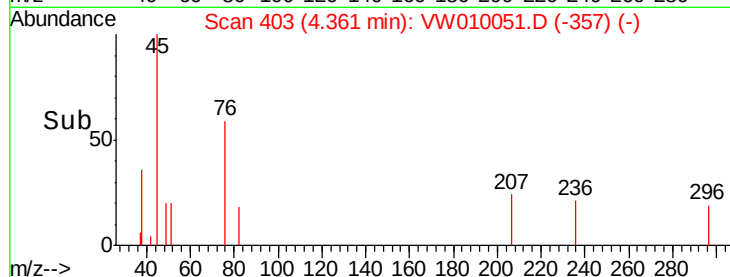
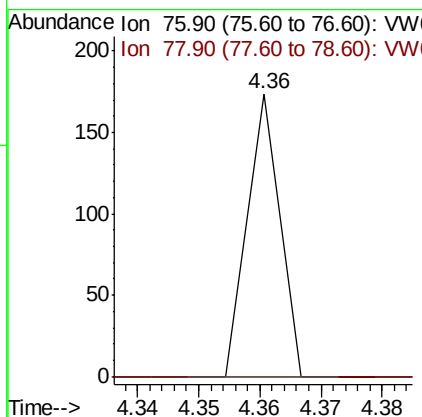
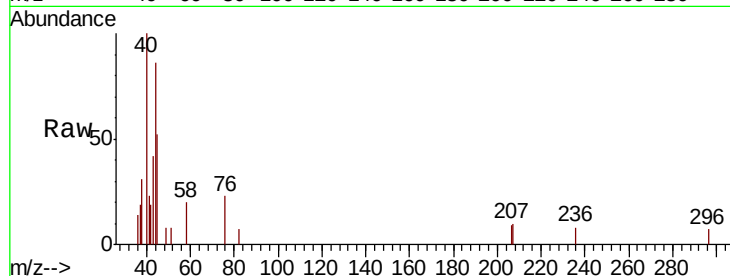




#17
 Carbon Disulfide
 Concen: 1.347 ug/l
 RT: 4.36 min Scan# 403
 Delta R.T. -0.02 min
 Lab File: VW010051.D
 Acq: 18 Apr 2019 17:56

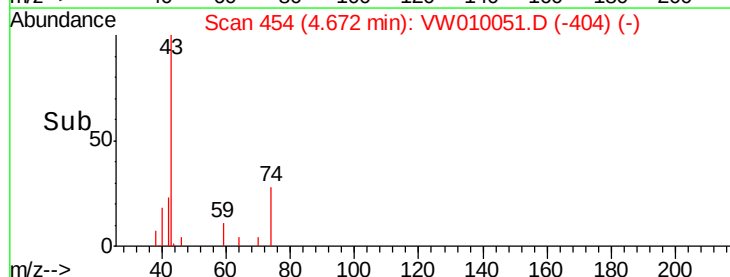
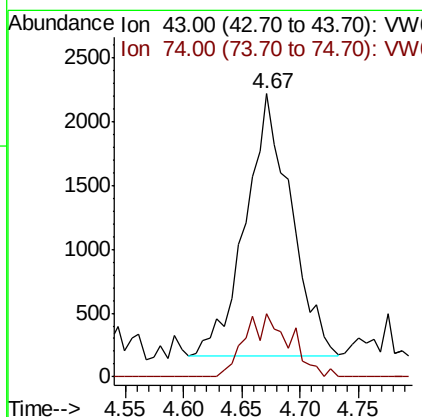
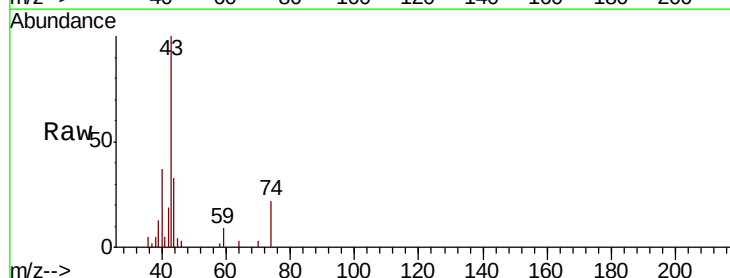
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-D2RE

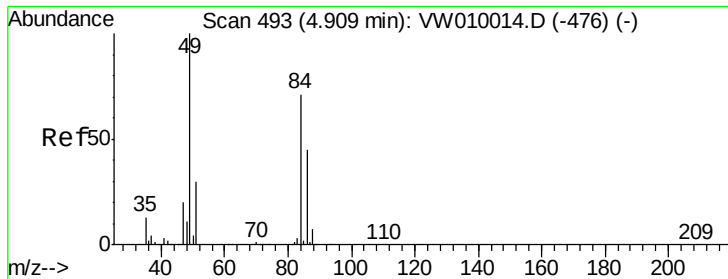
Tgt Ion: 76 Resp: 64
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.4 11.2#



#18
 Methyl Acetate
 Concen: 3.232 ug/l
 RT: 4.67 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: VW010051.D
 Acq: 18 Apr 2019 17:56

Tgt Ion: 43 Resp: 5580
 Ion Ratio Lower Upper
 43 100
 74 9.6 16.8 25.2#

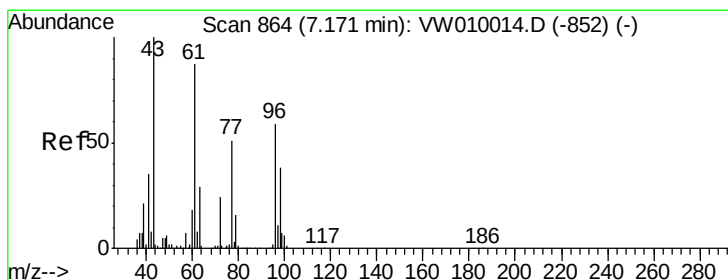
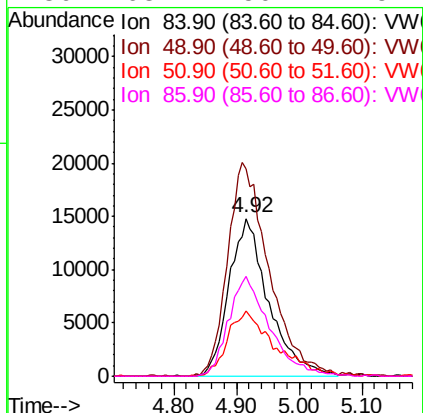
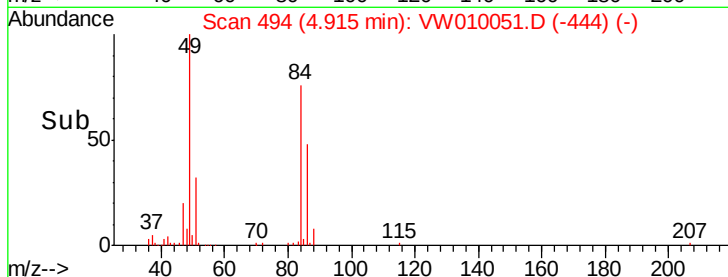
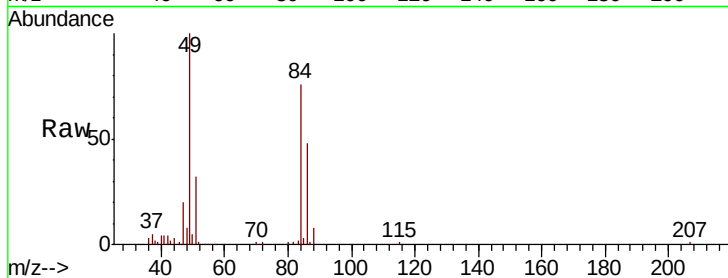




#20
Methylene Chloride
Concen: 19.662 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

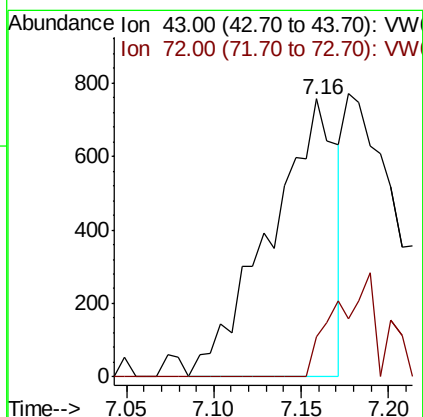
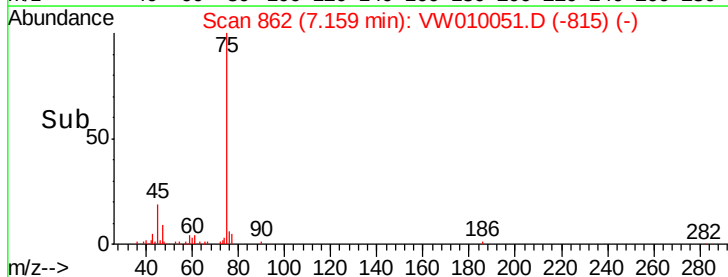
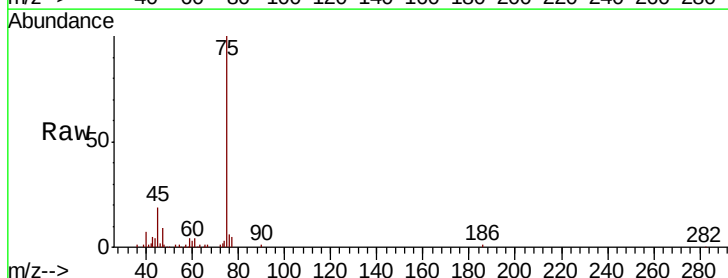
Instrument :
MSVOA_W
ClientSampled :
TP-14-D2RE

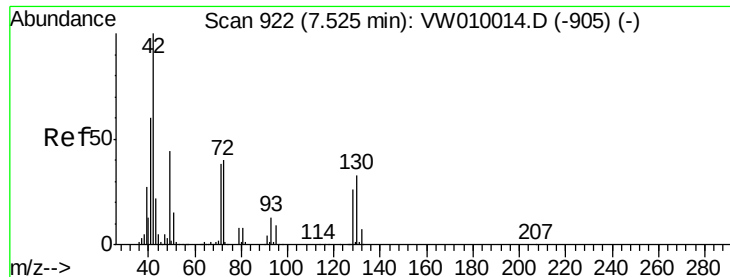
Tgt Ion: 84 Resp: 64614
Ion Ratio Lower Upper
84 100
49 131.2 112.3 168.5
51 41.4 33.9 50.9
86 63.1 50.2 75.4



#25
2-Butanone
Concen: 2.044 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
72 14.7 19.1 28.7#





#29

Tetrahydrofuran

Concen: 1.477 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

Instrument :

MSVOA_W

ClientSampled :

TP-14-D2RE

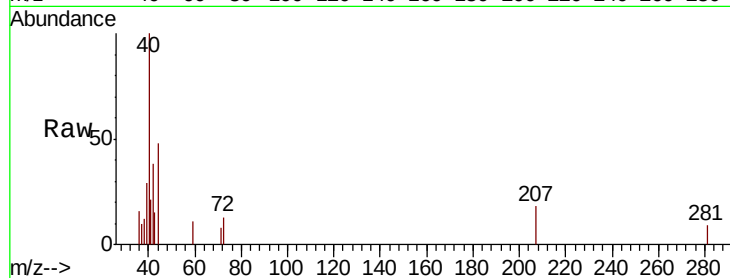
Tgt Ion: 42 Resp: 917

Ion Ratio Lower Upper

42 100

72 14.2 31.0 46.6#

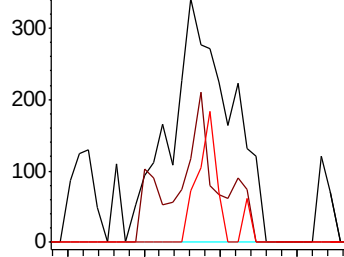
71 17.1 29.7 44.5#



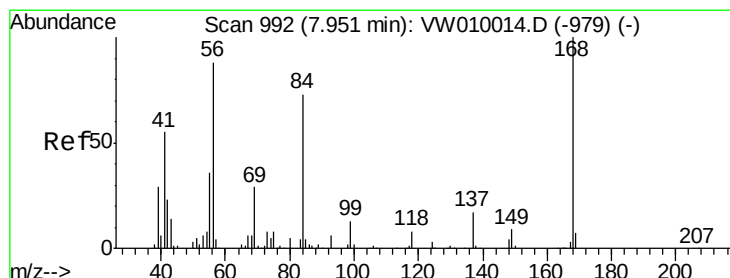
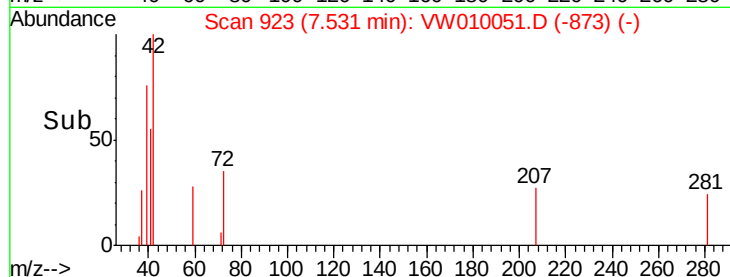
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.435 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

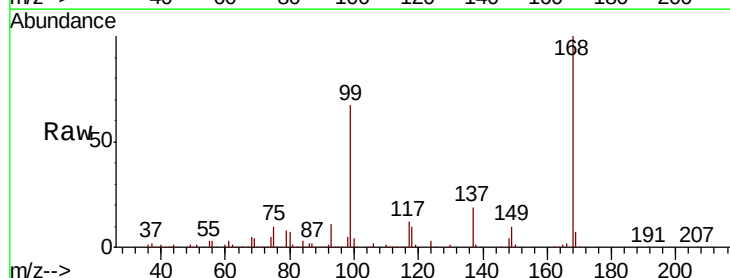
Tgt Ion: 56 Resp: 7464

Ion Ratio Lower Upper

56 100

69 145.2 26.6 40.0#

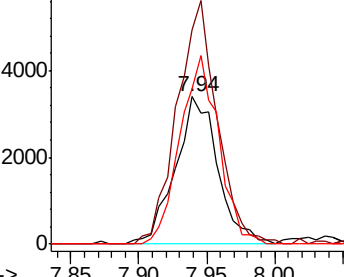
84 105.6 66.2 99.2#



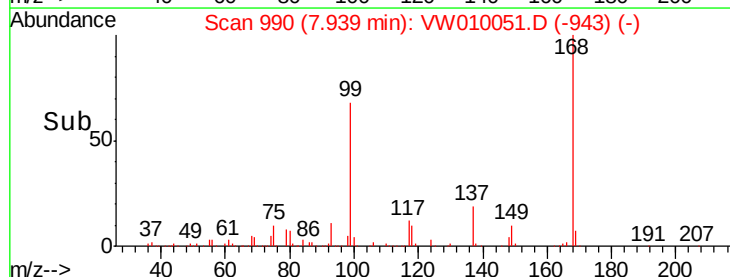
Abundance Ion 56.00 (55.70 to 56.70): VW

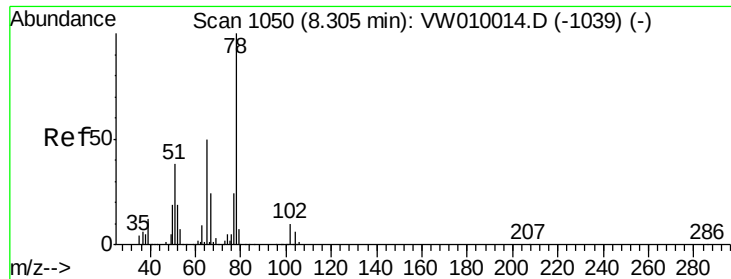
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

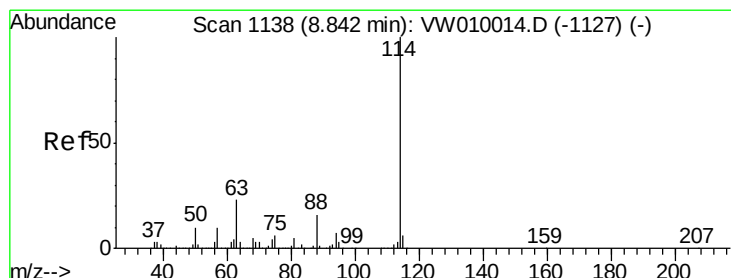
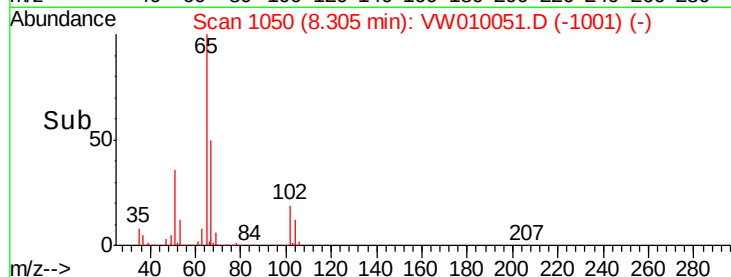
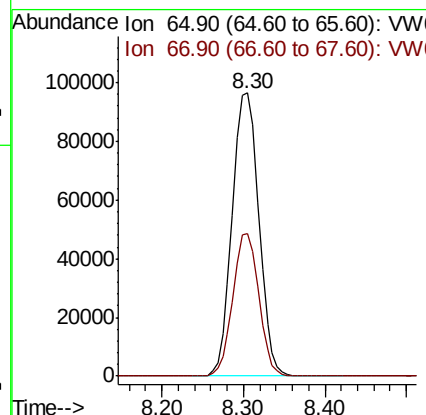
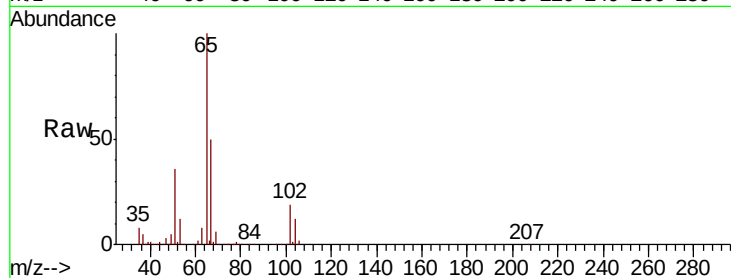




#33
 1,2-Dichloroethane-d4
 Concen: 67.612 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010051.D
 Acq: 18 Apr 2019 17:56

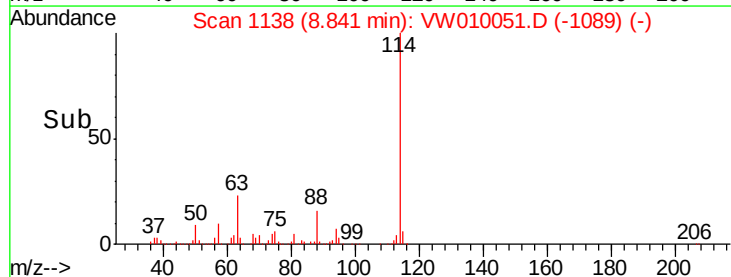
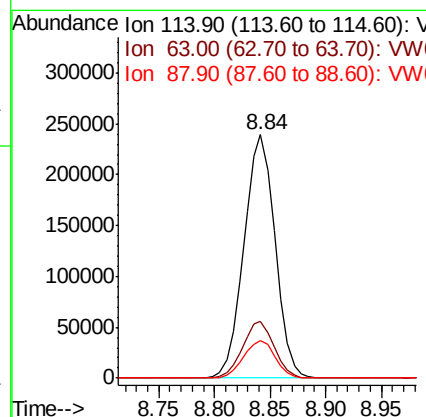
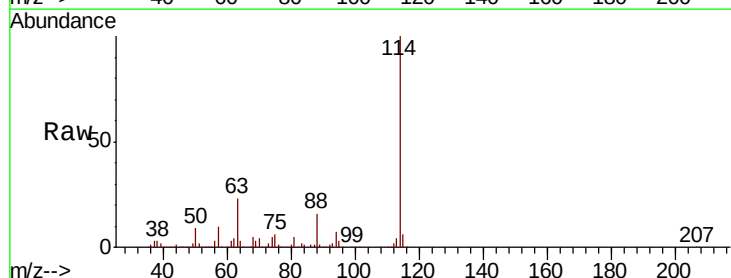
Instrument :
 MSVOA_W
 ClientSampled :
 TP-14-D2RE

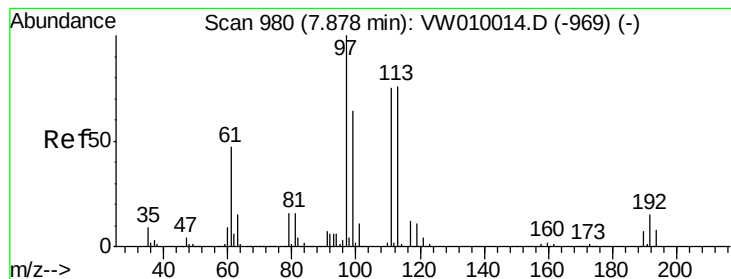
Tgt Ion: 65 Resp: 217406
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010051.D
 Acq: 18 Apr 2019 17:56

Tgt Ion: 114 Resp: 463429
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.2
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 57.171 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

Instrument :

MSVOA_W

ClientSampleId :

TP-14-D2RE

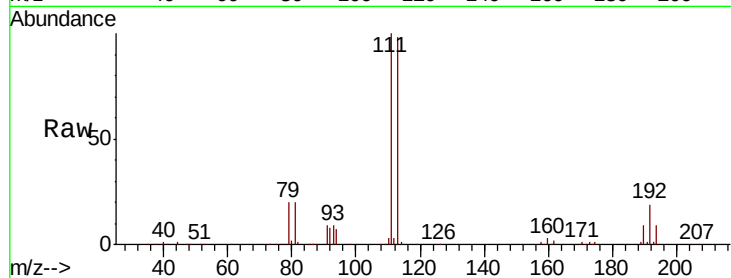
Tgt Ion:113 Resp: 168443

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

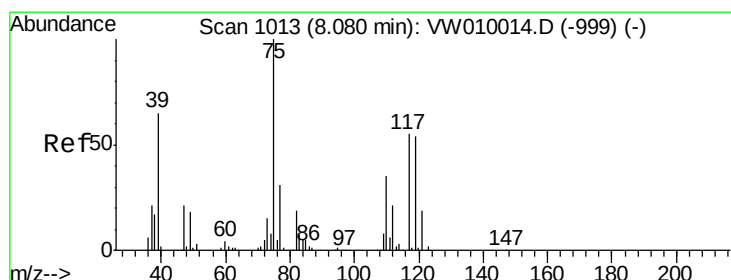
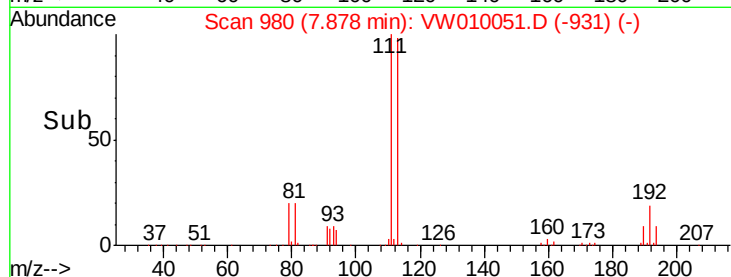
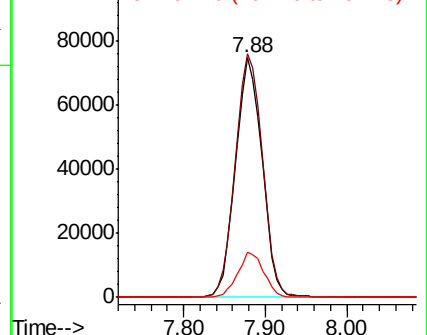
192 18.5 15.4 23.2



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: 5.116 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

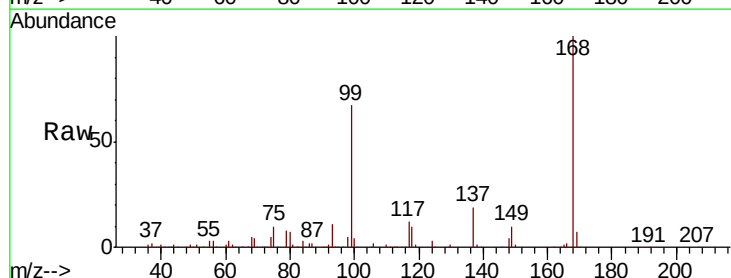
Tgt Ion: 75 Resp: 24218

Ion Ratio Lower Upper

75 100

110 9.5 16.6 49.8#

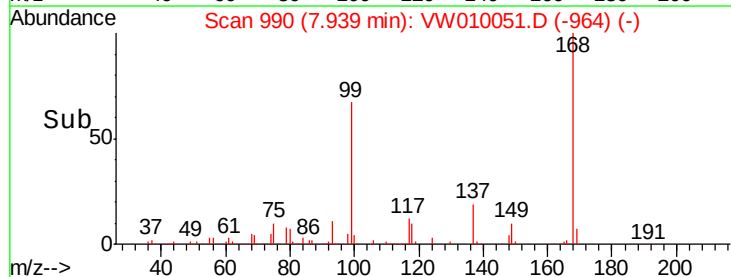
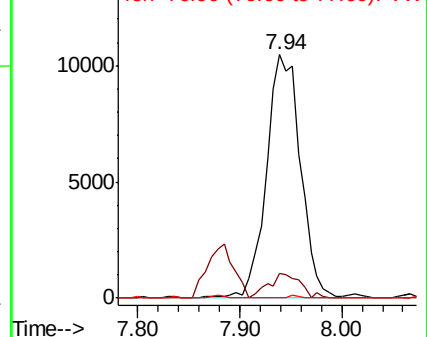
77 0.3 24.8 37.2#

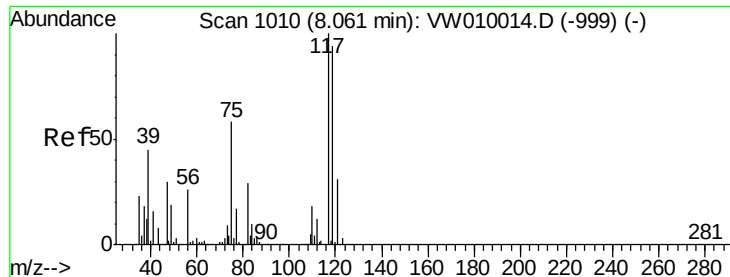


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

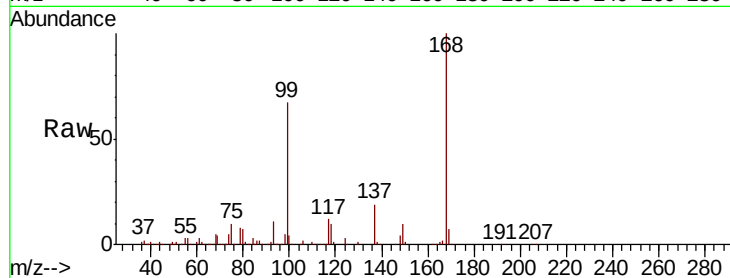




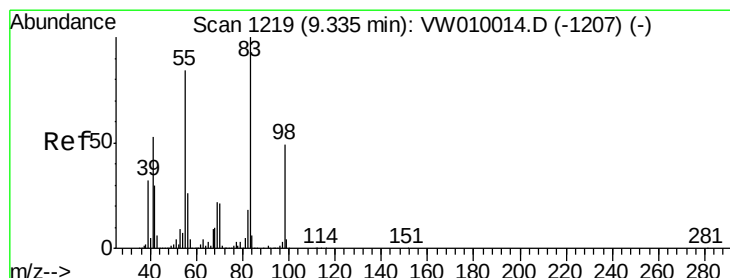
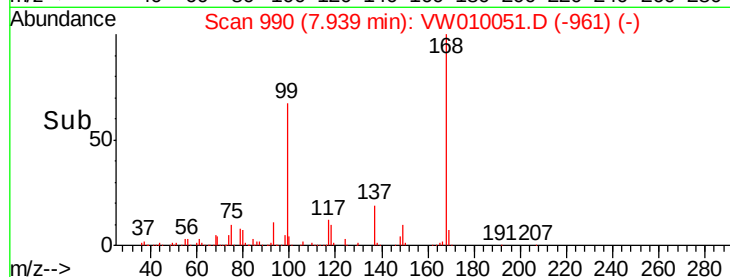
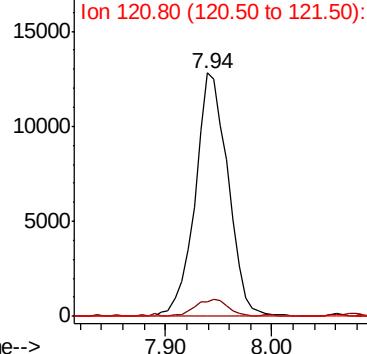
#38
Carbon Tetrachloride
Concen: 6.003 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

Instrument :
MSVOA_W
ClientSampleId :
TP-14-D2RE

Tgt Ion:117 Resp: 27735
Ion Ratio Lower Upper
117 100
119 6.1 75.3 112.9#
121 0.0 24.4 36.6#

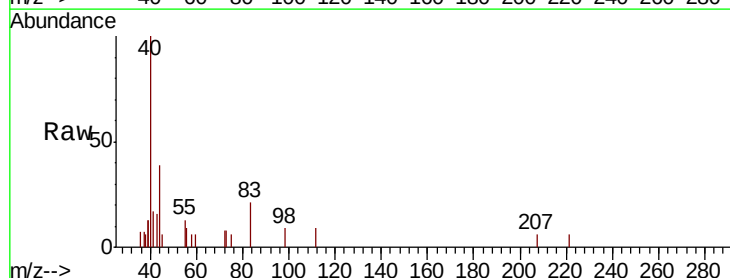


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

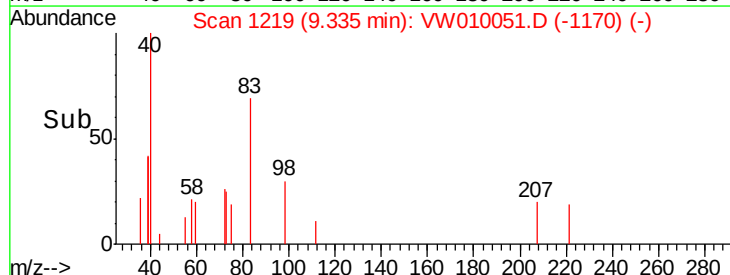
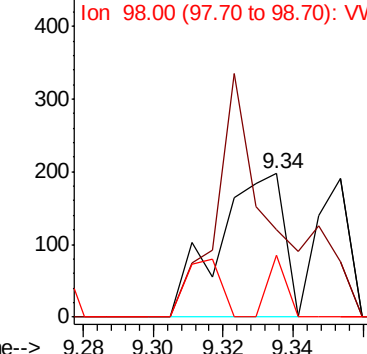


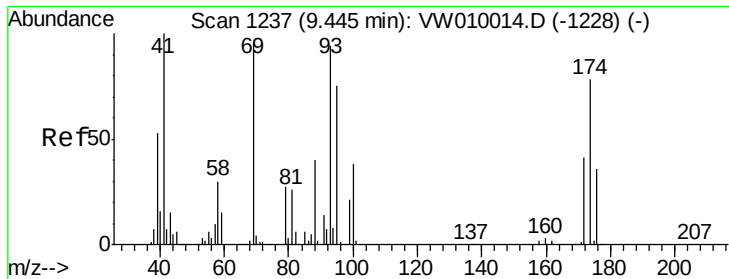
#39
Methylcyclohexane
Concen: 1.241 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

Tgt Ion: 83 Resp: 257
Ion Ratio Lower Upper
83 100
55 60.9 67.1 100.7#
98 43.7 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

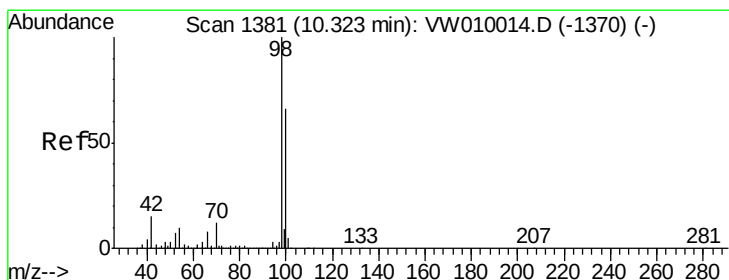
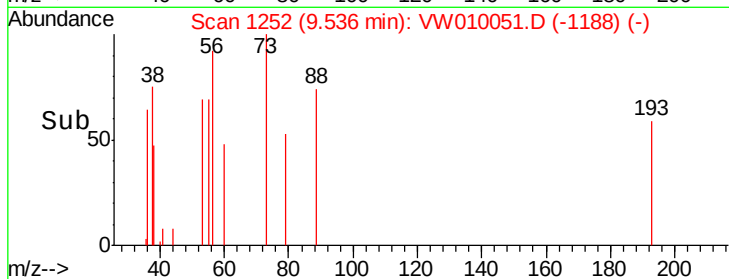
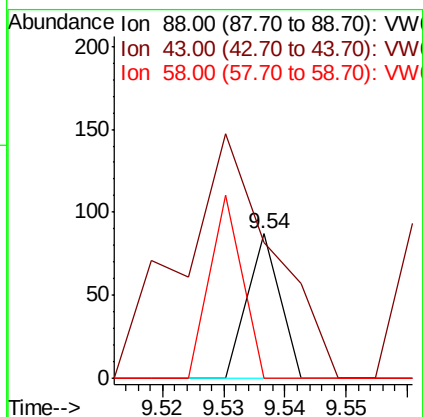
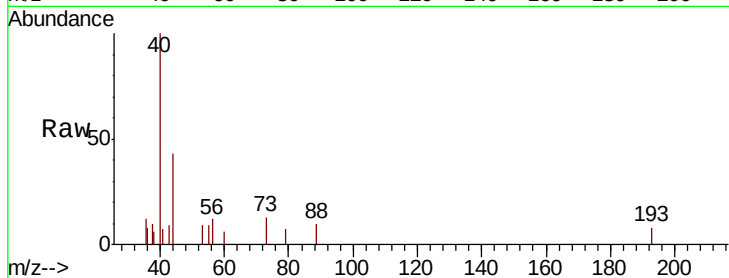




#49
1,4-Dioxane
Concen: 1.188 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.09 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

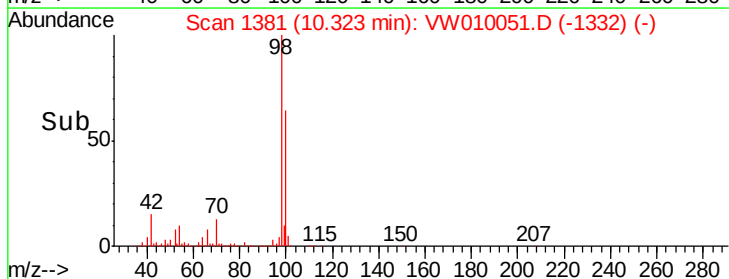
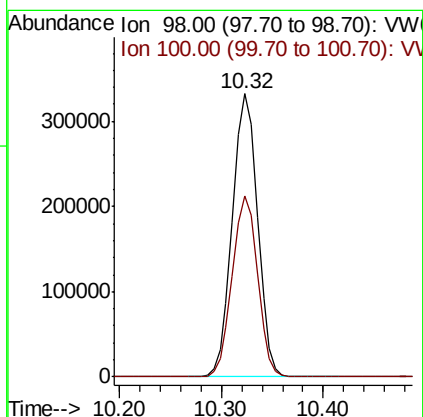
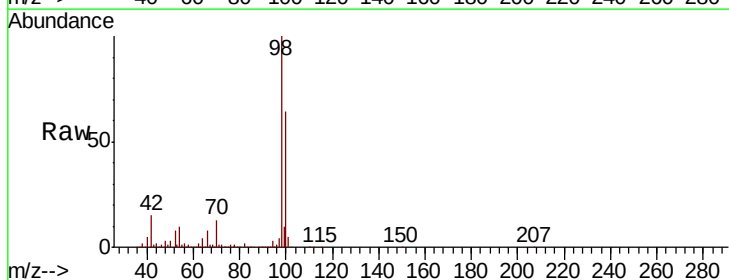
Instrument :
MSVOA_W
ClientSampleId :
TP-14-D2RE

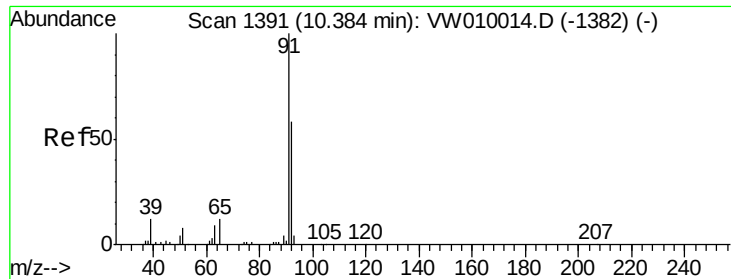
Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 478.1 31.9 47.9#
58 125.0 61.8 92.6#



#50
Toluene-d8
Concen: 51.432 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010051.D
Acq: 18 Apr 2019 17:56

Tgt Ion: 98 Resp: 567827
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5





#52

Toluene

Concen: 3.884 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

Instrument :

MSVOA_W

ClientSampled :

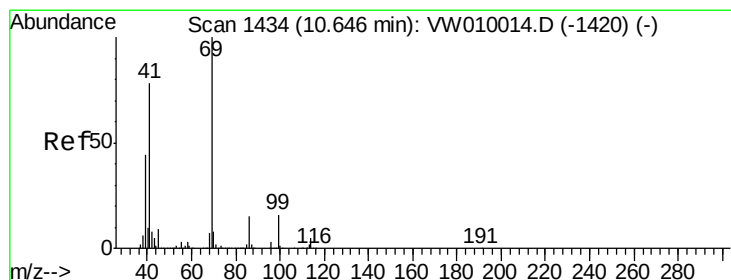
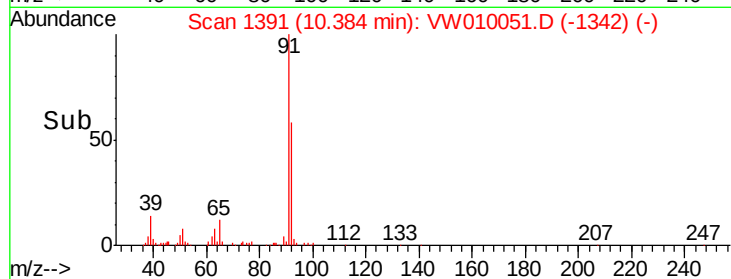
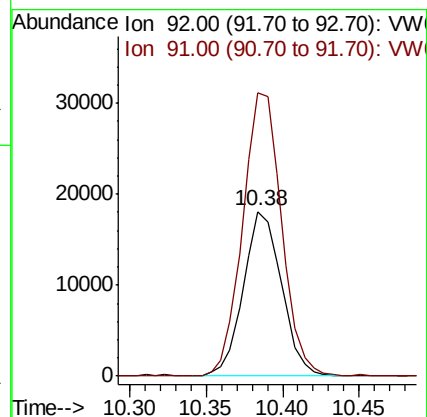
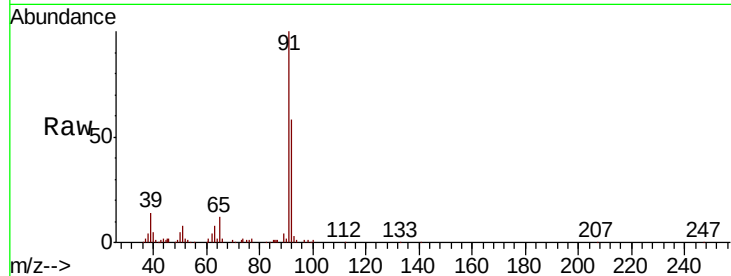
TP-14-D2RE

Tgt Ion: 92 Resp: 31319

Ion Ratio Lower Upper

92 100

91 175.9 138.5 207.7



#56

Ethyl methacrylate

Concen: 2.676 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.04 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

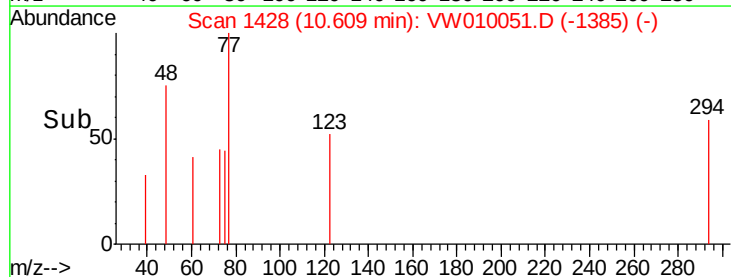
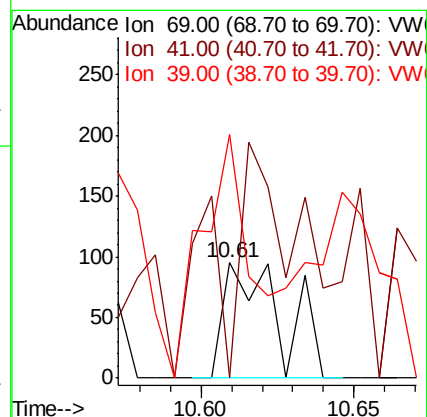
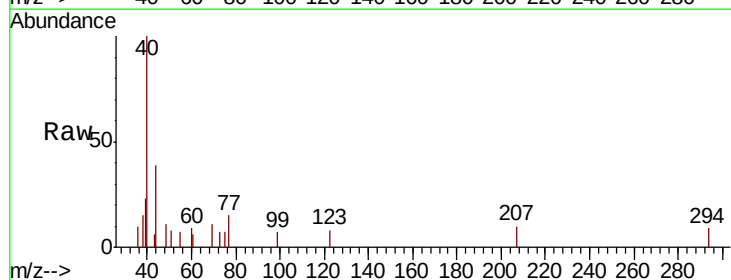
Tgt Ion: 69 Resp: 124

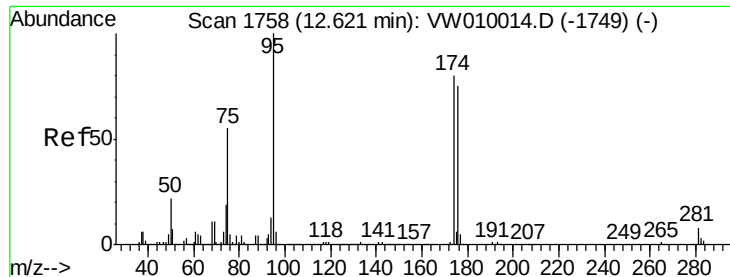
Ion Ratio Lower Upper

69 100

41 217.7 61.0 91.6#

39 175.8 33.8 50.6#





#62

4-Bromofluorobenzene

Concen: 46.192 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

Instrument :

MSVOA_W

ClientSampleId :

TP-14-D2RE

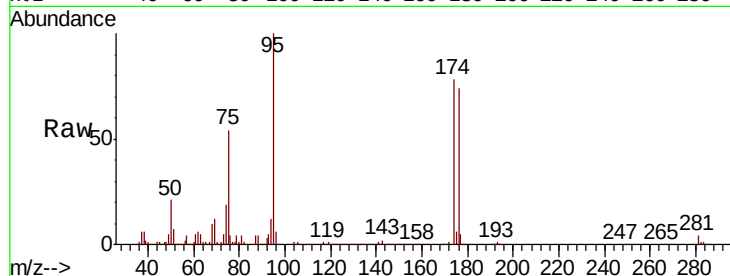
Tgt Ion: 95 Resp: 185376

Ion Ratio Lower Upper

95 100

174 76.7 0.0 151.4

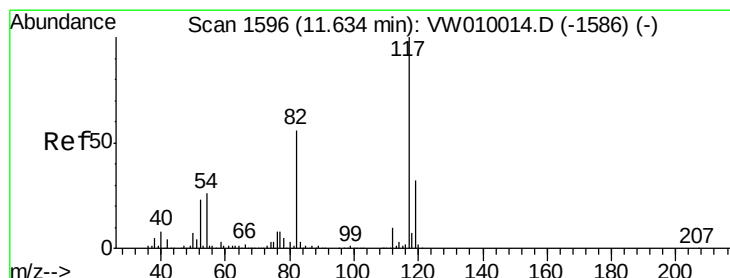
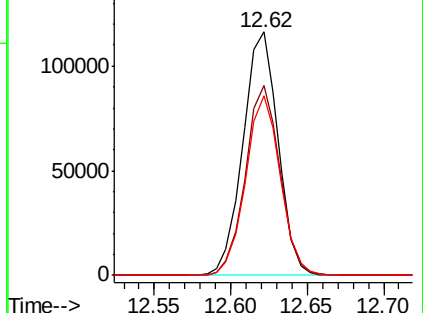
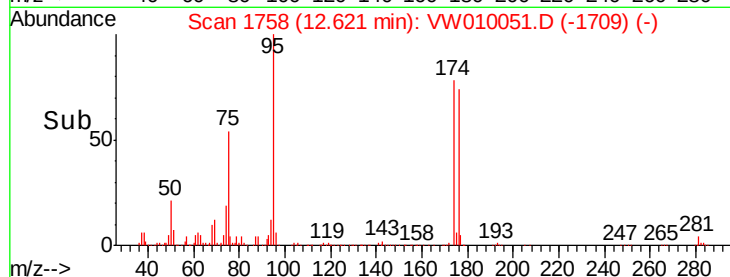
176 72.9 0.0 146.2



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: VW010051.D

Acq: 18 Apr 2019 17:56

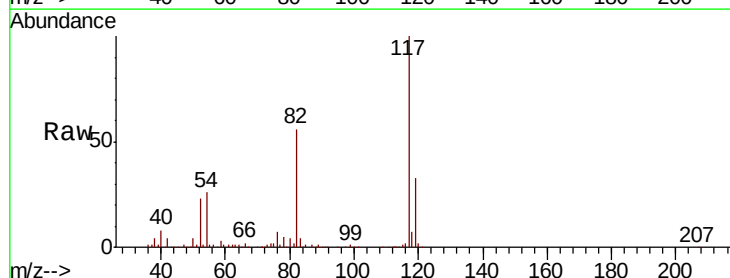
Tgt Ion: 117 Resp: 418494

Ion Ratio Lower Upper

117 100

82 56.4 45.2 67.8

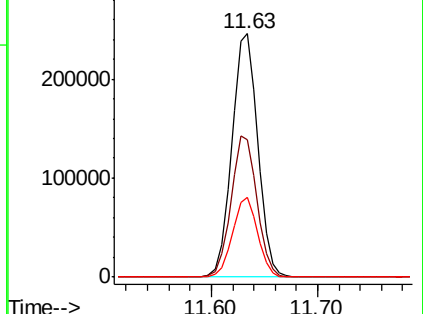
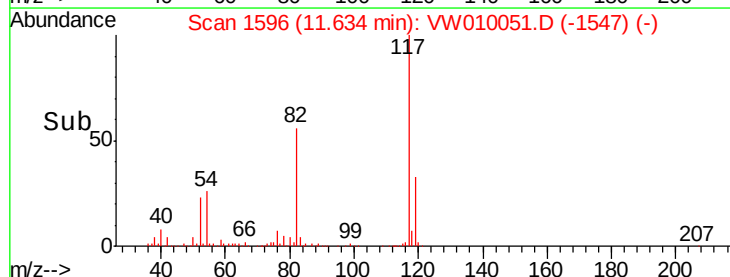
119 33.0 25.4 38.2

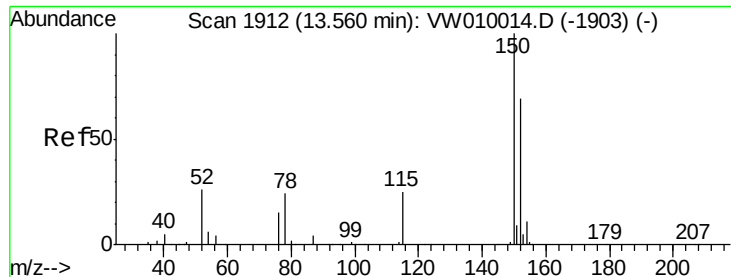


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

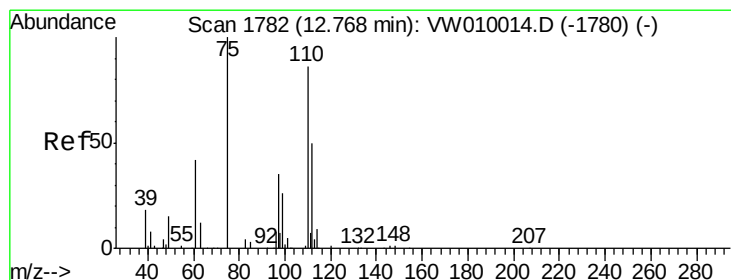
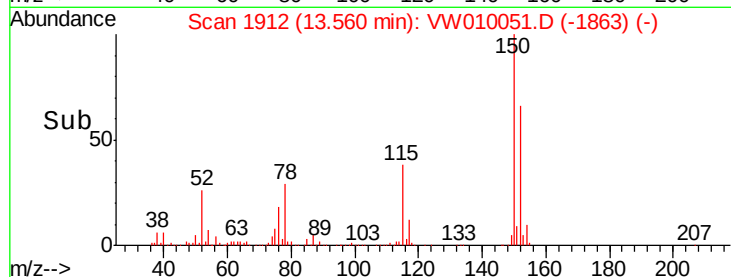
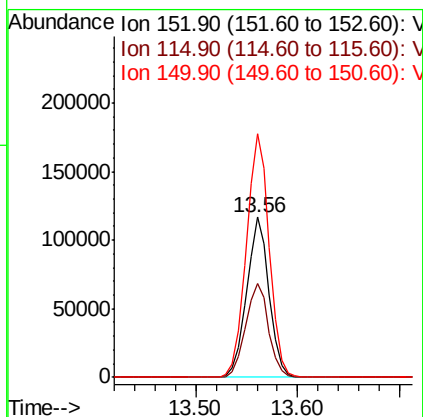
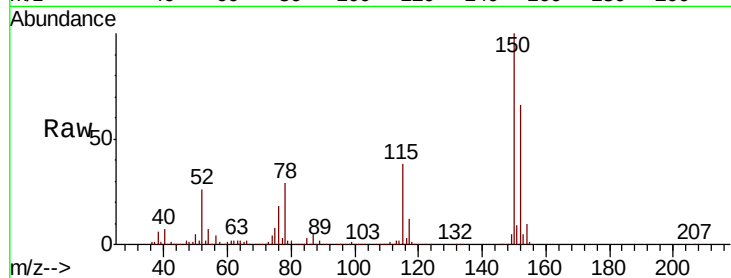




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW010051.D
 Acq: 18 Apr 2019 17:56

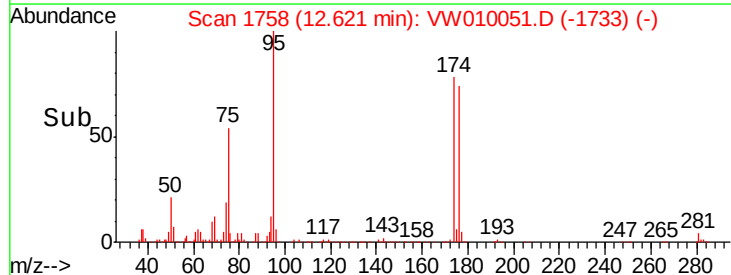
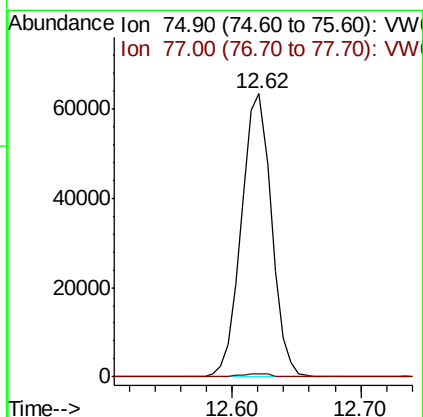
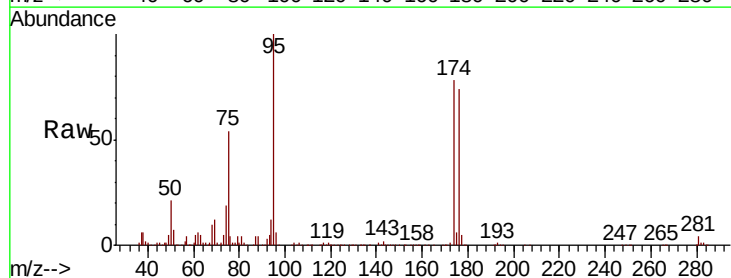
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-D2RE

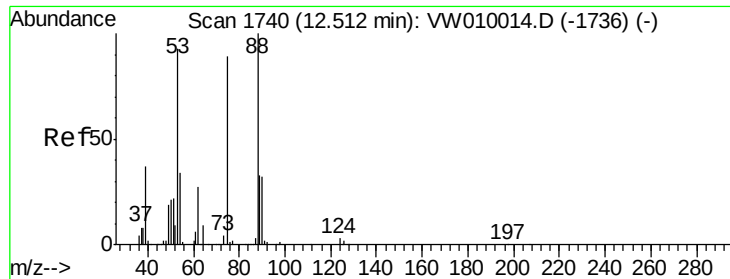
Tgt Ion:152 Resp: 177142
 Ion Ratio Lower Upper
 152 100
 115 60.1 30.4 91.2
 150 155.3 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 57.538 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010051.D
 Acq: 18 Apr 2019 17:56

Tgt Ion: 75 Resp: 102010
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.671 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

Instrument :

MSVOA_W

ClientSampleId :

TP-14-D2RE

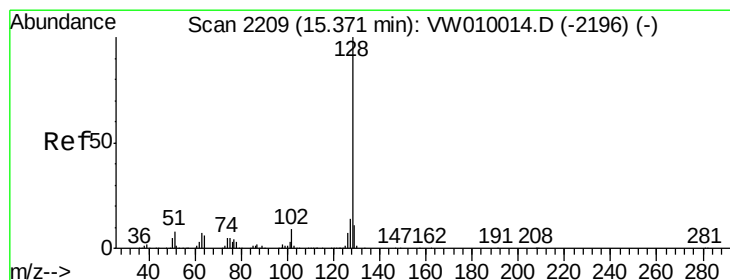
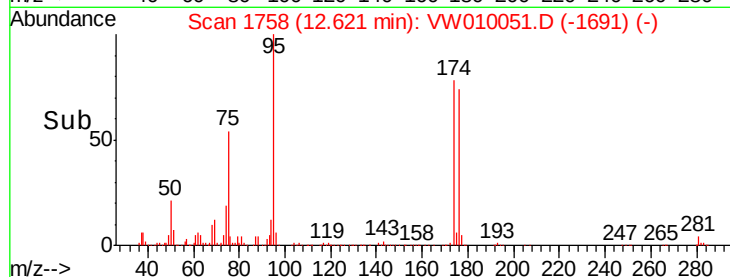
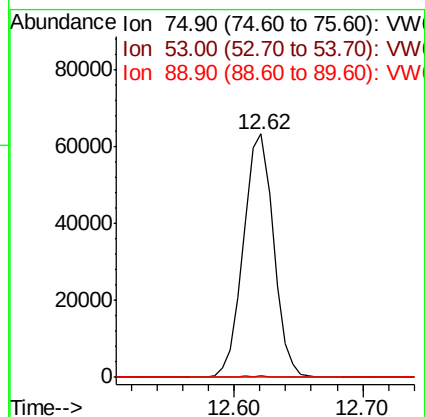
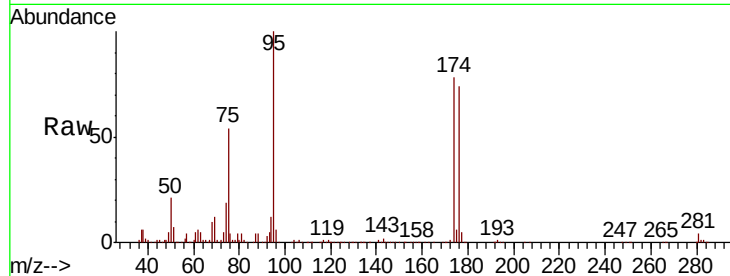
Tgt Ion: 75 Resp: 102010

Ion Ratio Lower Upper

75 100

53 0.7 89.8 134.8#

89 0.1 36.6 54.8#



#95

Naphthalene

Concen: 2.928 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010051.D

Acq: 18 Apr 2019 17:56

Tgt Ion: 128 Resp: 2049

Ion Ratio Lower Upper

128 100

127 17.8 10.6 15.8#

129 9.0 8.7 13.1

