

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041819\
 Data File : VW010049.D
 Acq On : 18 Apr 2019 17:01
 Operator : SY/VA
 Sample : K2411-06RE
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14-S2RE

Quant Time: Apr 18 17:21:35 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

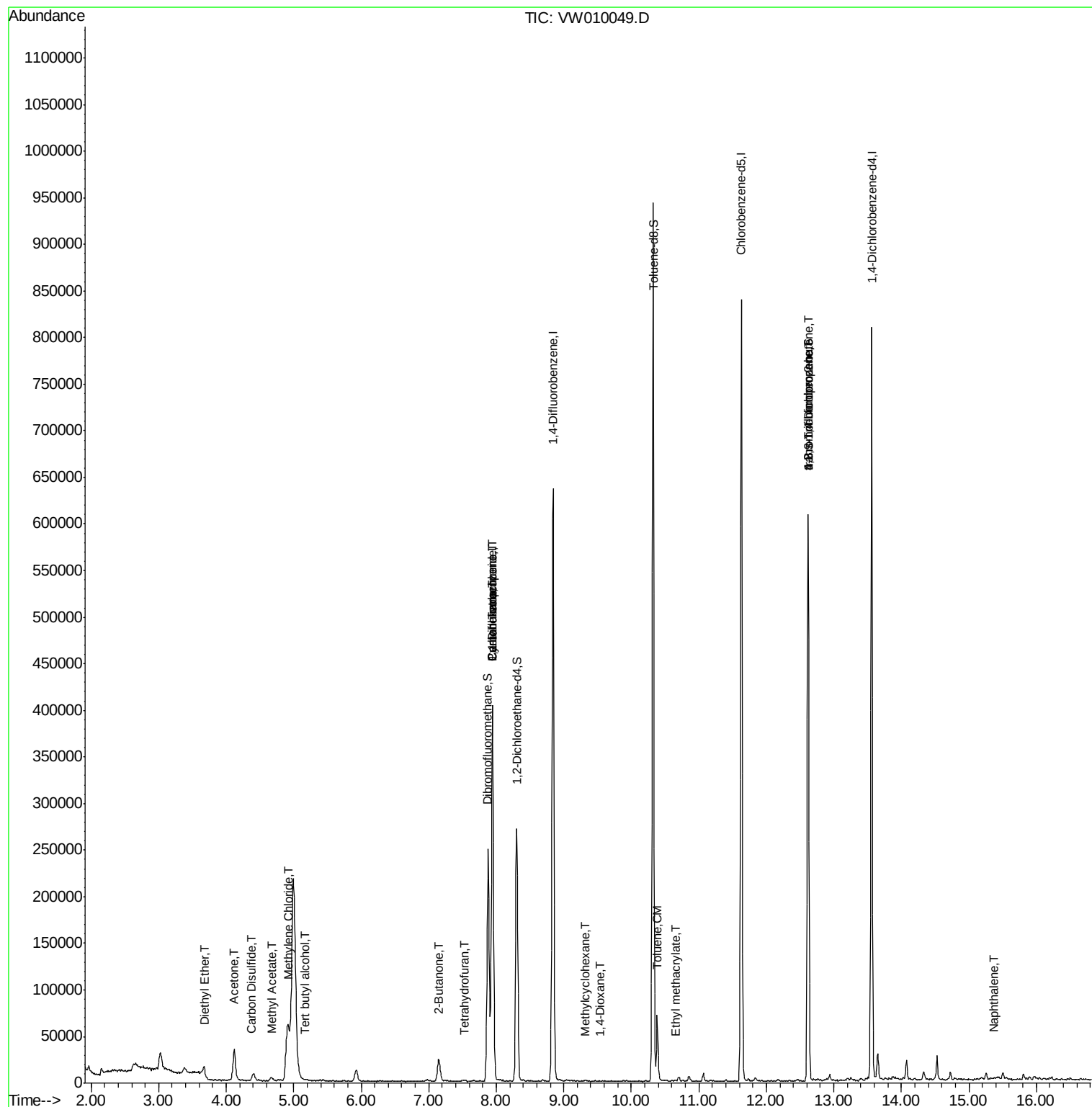
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	279320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	491034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	438294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188853	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	214329	62.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.36%	
35) Dibromofluoromethane	7.88	113	170178	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
50) Toluene-d8	10.32	98	580930	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	188348	44.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	5386	3.783	ug/l	98
11) Tert butyl alcohol	5.17	59	1185	6.035	ug/l #	92
16) Acetone	4.12	43	57132	71.436	ug/l	97
17) Carbon Disulfide	4.37	76	95	1.350	ug/l #	74
18) Methyl Acetate	4.68	43	7387	3.991	ug/l	100
20) Methylene Chloride	4.92	84	59623	16.269	ug/l	94
25) 2-Butanone	7.15	43	2150	2.046	ug/l #	51
29) Tetrahydrofuran	7.54	42	885	1.329	ug/l #	69
31) Cyclohexane	7.95	56	8290	1.487	ug/l #	31
36) 1,1-Dichloropropene	7.94	75	25424	5.069	ug/l #	50
38) Carbon Tetrachloride	7.94	117	29383	6.002	ug/l #	18
39) Methylcyclohexane	9.33	83	267	1.240	ug/l #	31
49) 1,4-Dioxane	9.55	88	48	1.681	ug/l #	1
52) Toluene	10.38	92	26567	3.110	ug/l	95
56) Ethyl methacrylate	10.66	69	144	2.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	104044	55.046	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	104044	129.796	ug/l #	6
95) Naphthalene	15.37	128	2313	2.945	ug/l #	88

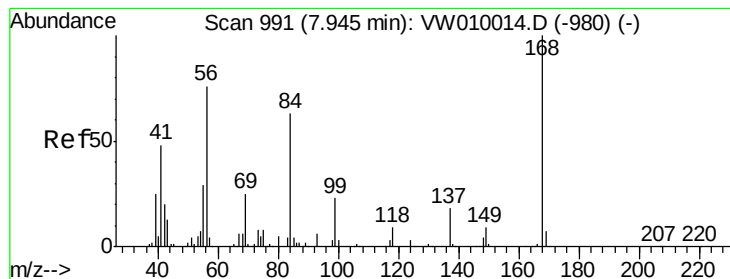
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010049.D

Acq: 18 Apr 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

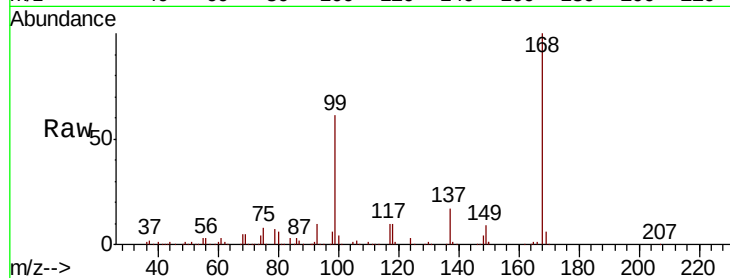
TP-14-S2RE

Tgt Ion:168 Resp: 279320

Ion Ratio Lower Upper

168 100

99 60.9 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

150000

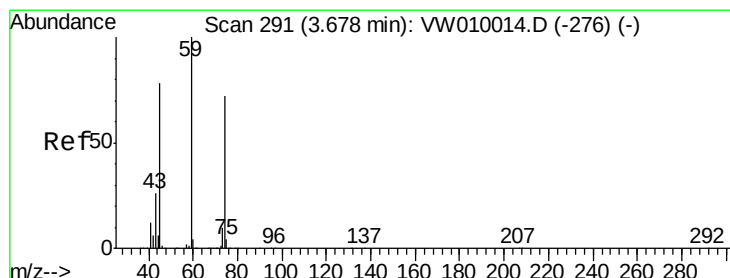
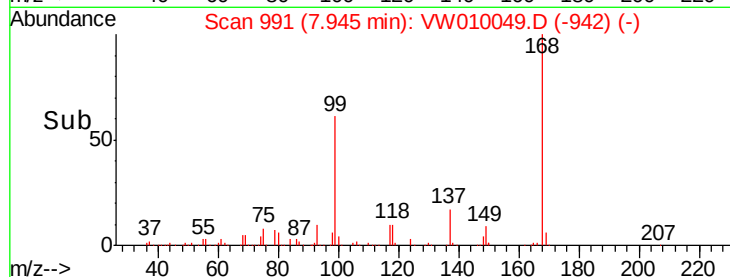
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 3.783 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW010049.D

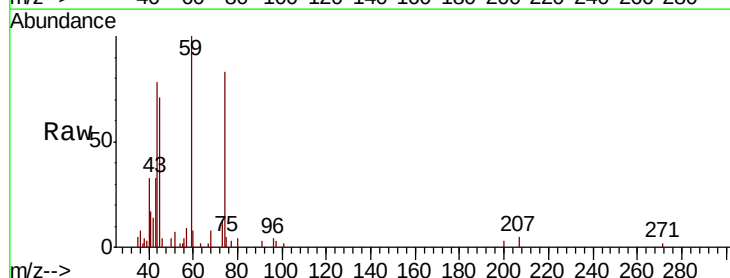
Acq: 18 Apr 2019 17:01

Tgt Ion: 74 Resp: 5386

Ion Ratio Lower Upper

74 100

45 114.2 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

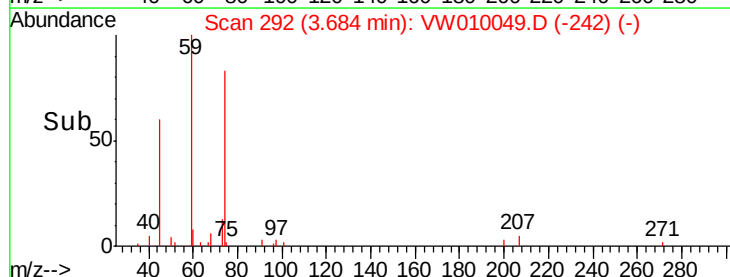
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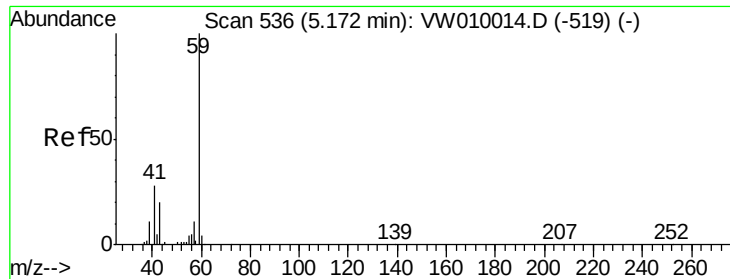
1000

0

3.55 3.60 3.65 3.70 3.75

Time-->

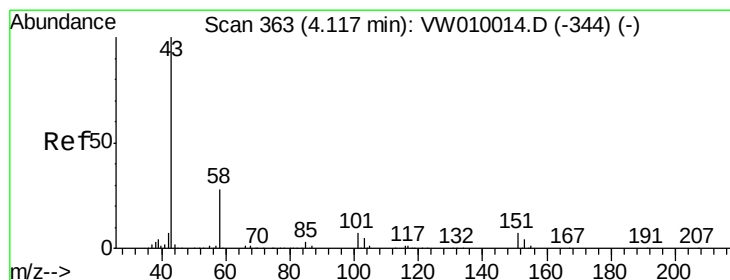
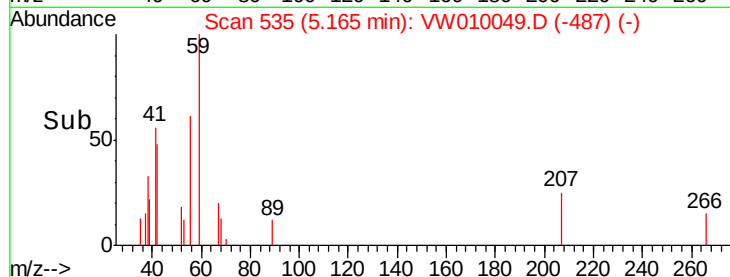
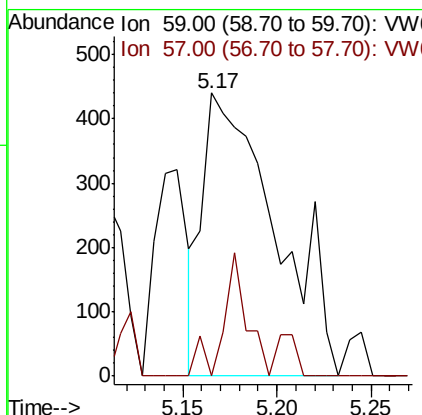
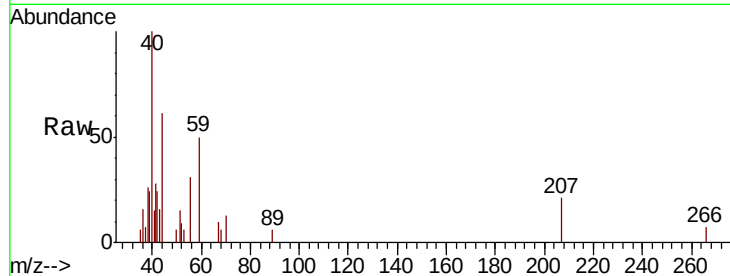




#11
Tert butyl alcohol
Concen: 6.035 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

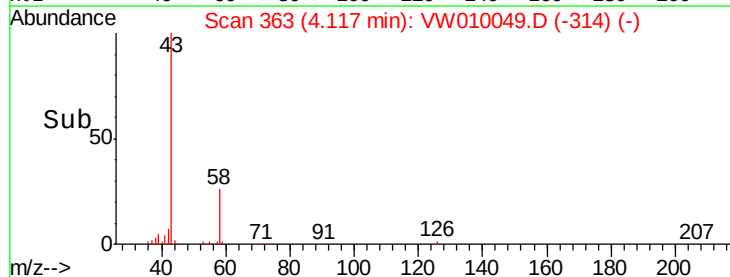
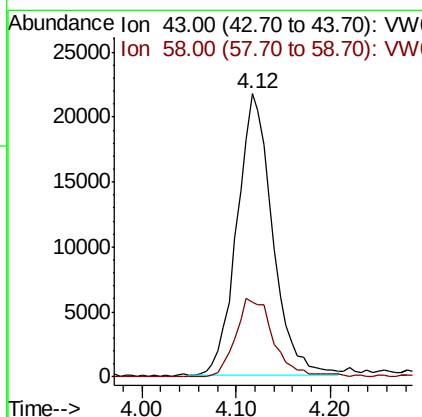
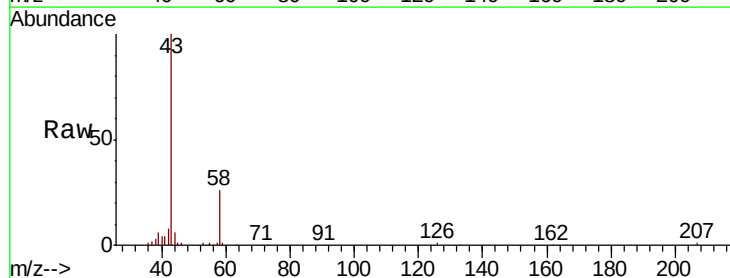
Instrument :
MSVOA_W
ClientSampled :
TP-14-S2RE

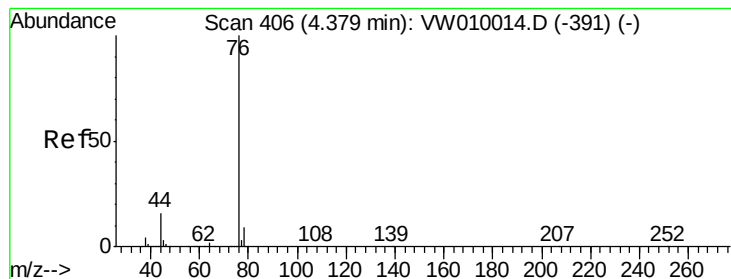
Tgt Ion: 59 Resp: 1185
Ion Ratio Lower Upper
59 100
57 14.3 9.0 13.4#



#16
Acetone
Concen: 71.436 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

Tgt Ion: 43 Resp: 57132
Ion Ratio Lower Upper
43 100
58 26.7 22.7 34.1





#17

Carbon Disulfide

Concen: 1.350 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

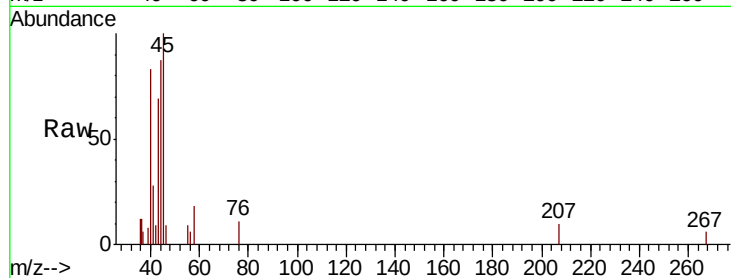
TP-14-S2RE

Tgt Ion: 76 Resp: 95

Ion Ratio Lower Upper

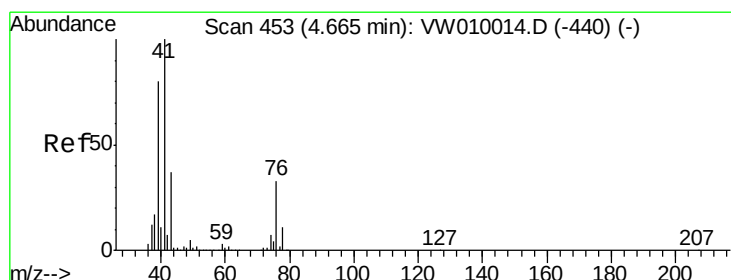
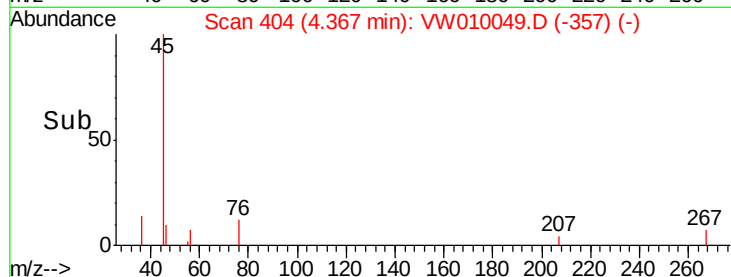
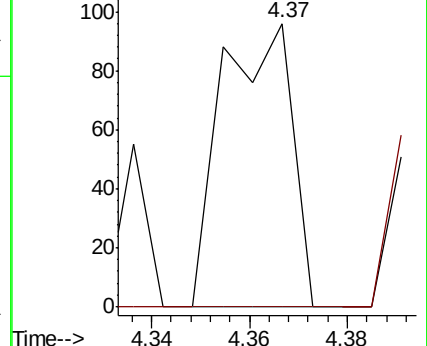
76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 3.991 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010049.D

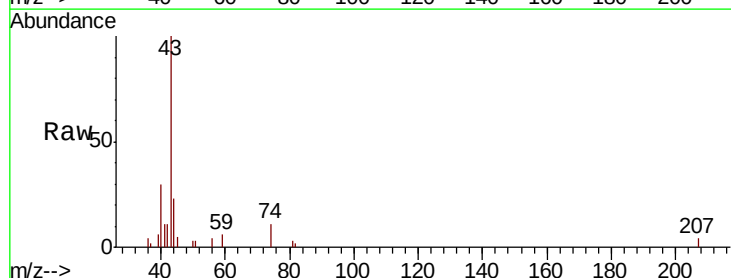
Acq: 18 Apr 2019 17:01

Tgt Ion: 43 Resp: 7387

Ion Ratio Lower Upper

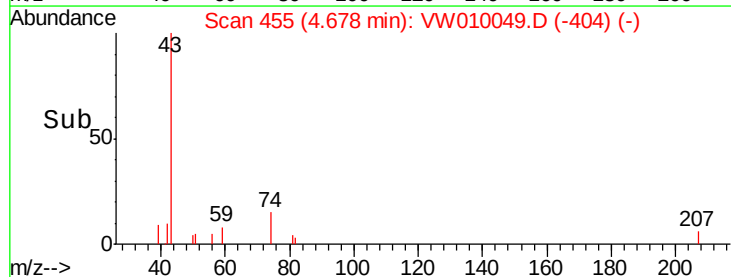
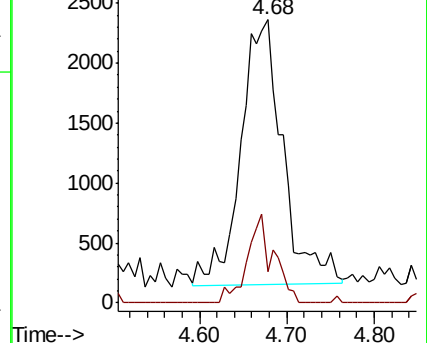
43 100

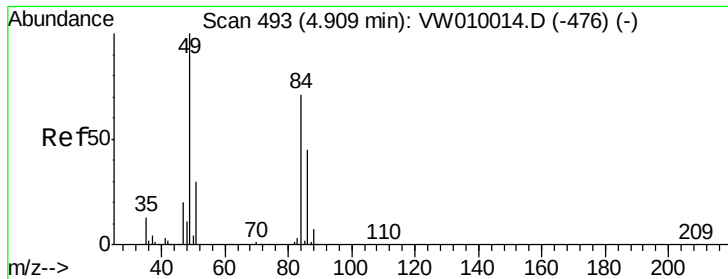
74 20.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

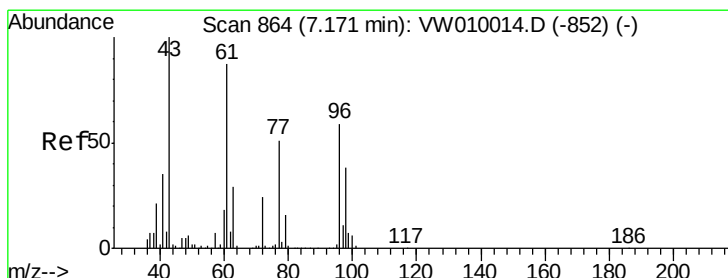
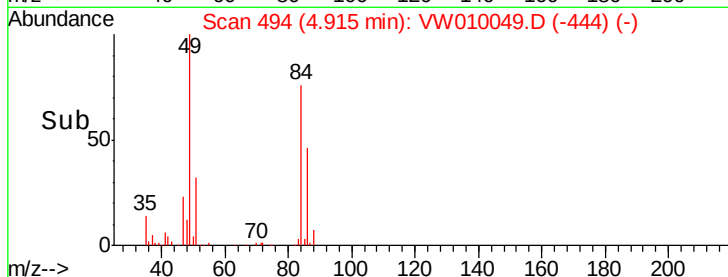
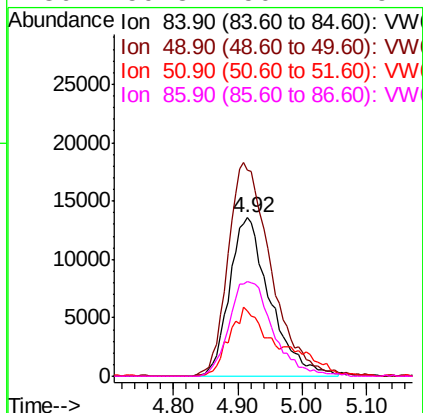
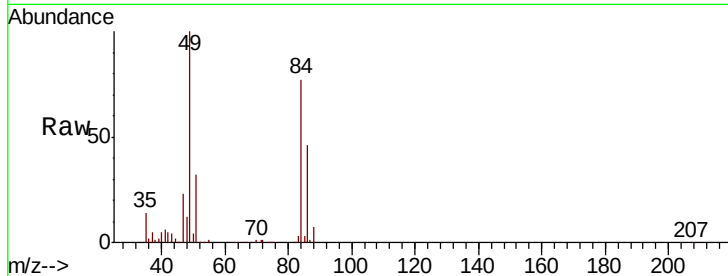




#20
Methylene Chloride
Concen: 16.269 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

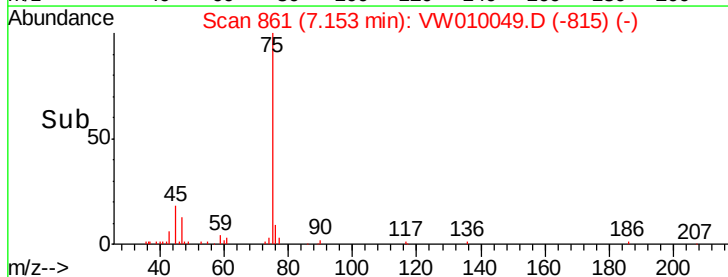
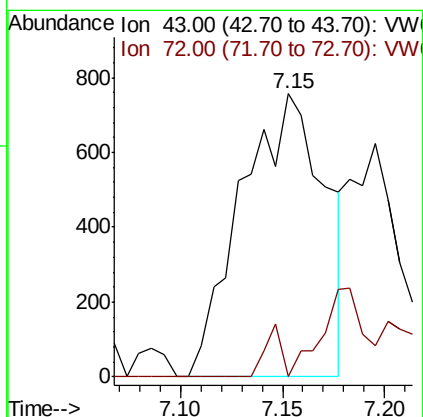
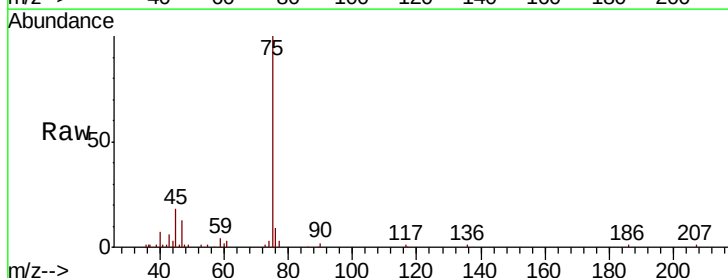
Instrument :
MSVOA_W
ClientSampleId :
TP-14-S2RE

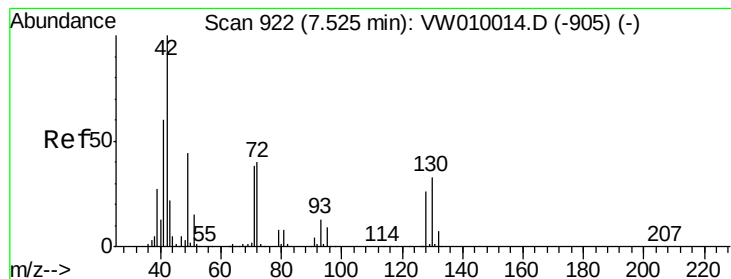
Tgt Ion: 84 Resp: 59623
Ion Ratio Lower Upper
84 100
49 130.1 112.3 168.5
51 41.1 33.9 50.9
86 59.8 50.2 75.4



#25
2-Butanone
Concen: 2.046 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#





#29

Tetrahydrofuran

Concen: 1.329 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

Instrument :

MSVOA_W

ClientSampled :

TP-14-S2RE

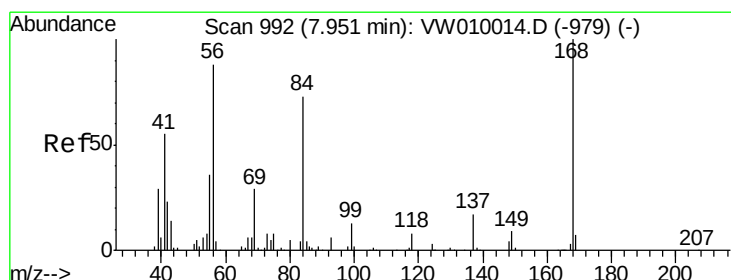
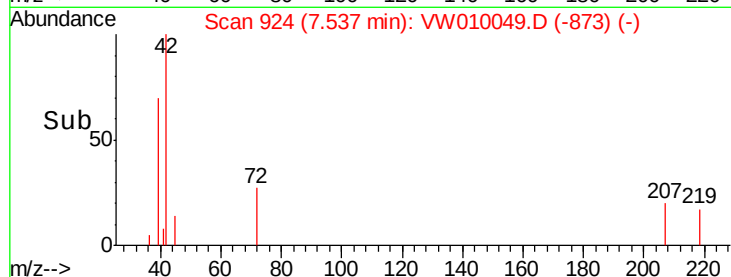
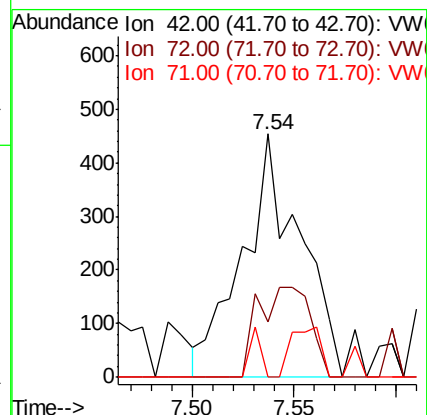
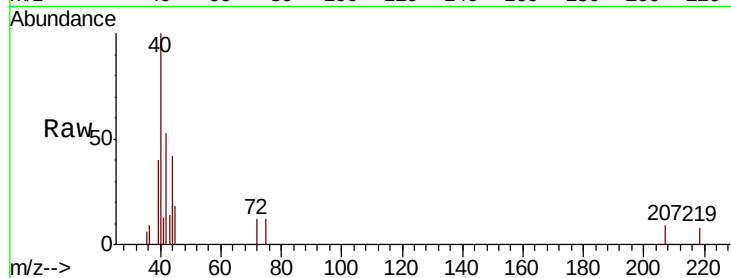
Tgt Ion: 42 Resp: 885

Ion Ratio Lower Upper

42 100

72 33.9 31.0 46.6

71 3.8 29.7 44.5#



#31

Cyclohexane

Concen: 1.487 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

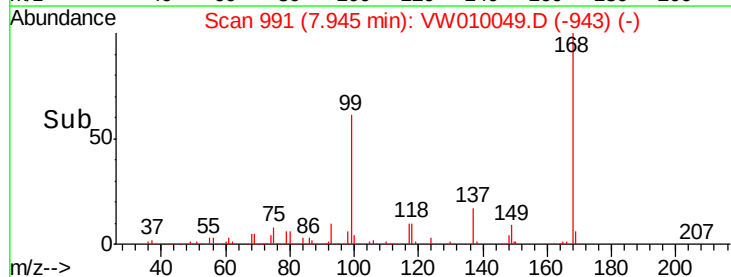
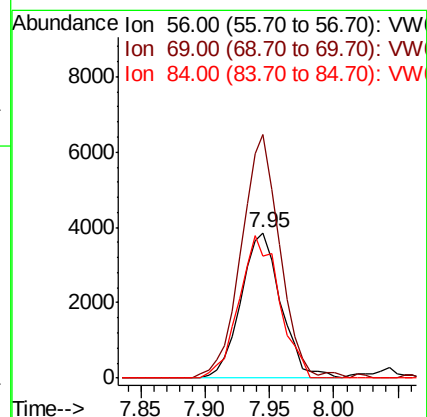
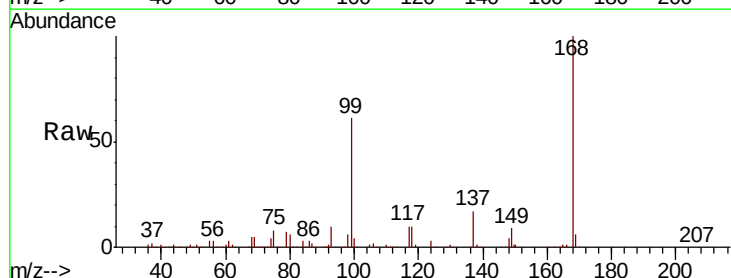
Tgt Ion: 56 Resp: 8290

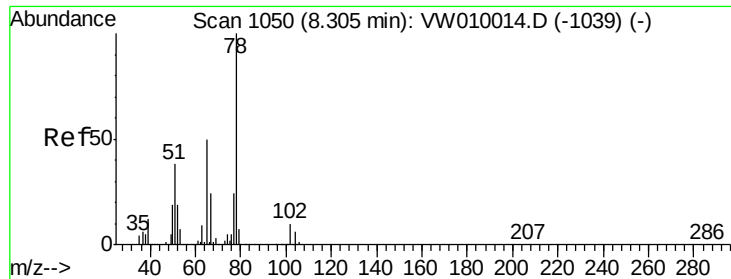
Ion Ratio Lower Upper

56 100

69 167.7 26.6 40.0#

84 84.1 66.2 99.2

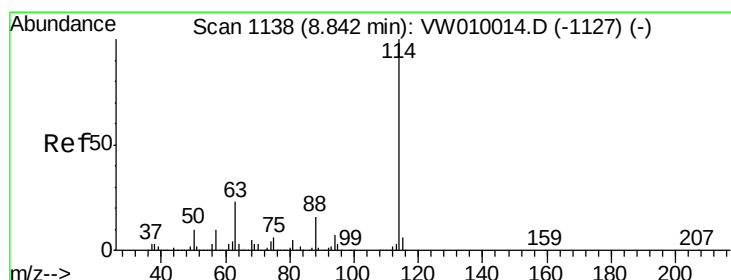
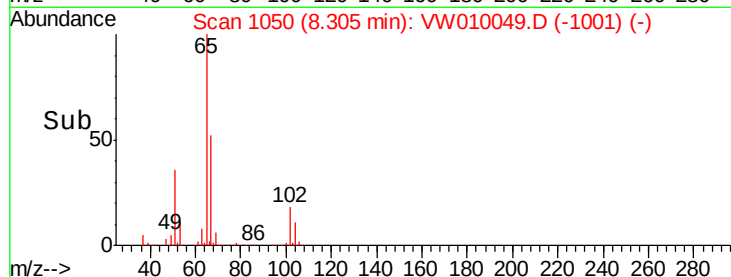
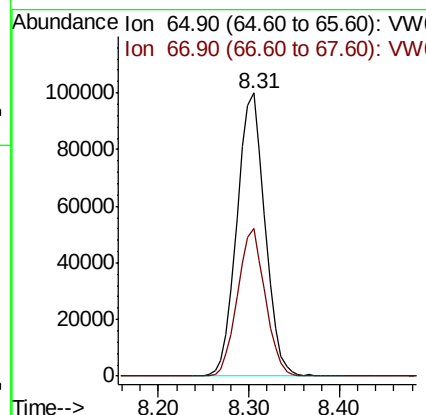
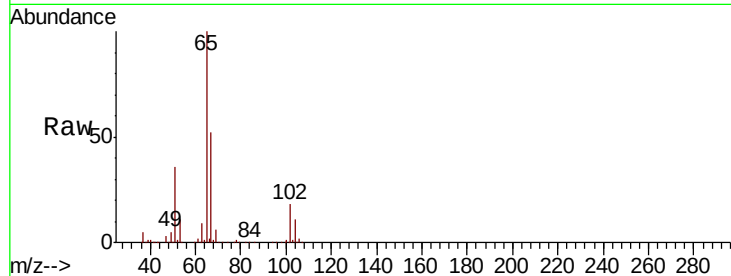




#33
 1,2-Dichloroethane-d4
 Concen: 62.179 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010049.D
 Acq: 18 Apr 2019 17:01

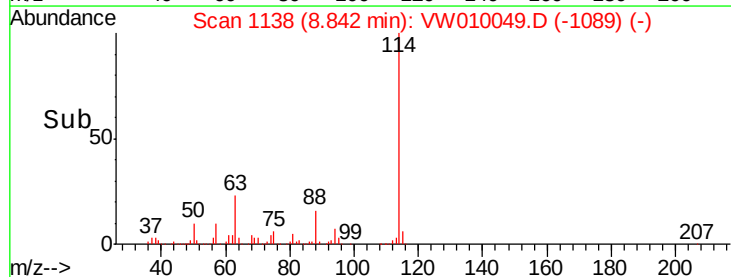
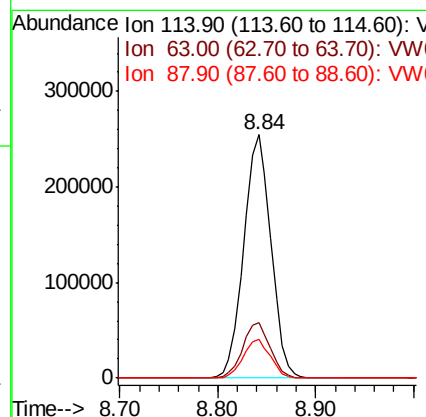
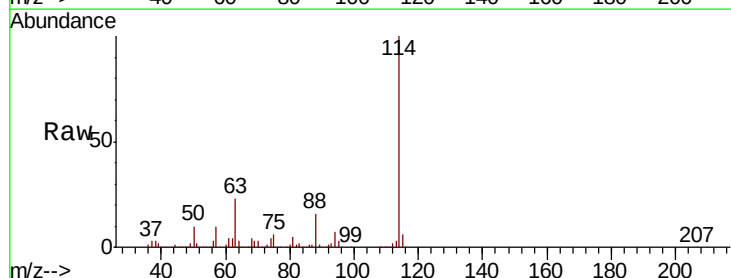
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 TP-14-S2RE

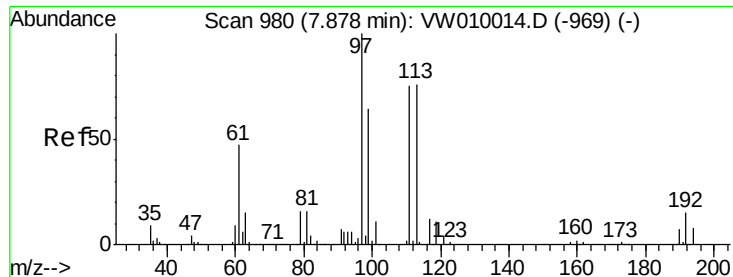
Tgt Ion: 65 Resp: 214329
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010049.D
 Acq: 18 Apr 2019 17:01

Tgt Ion: 114 Resp: 491034
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.2
 88 16.1 0.0 32.6

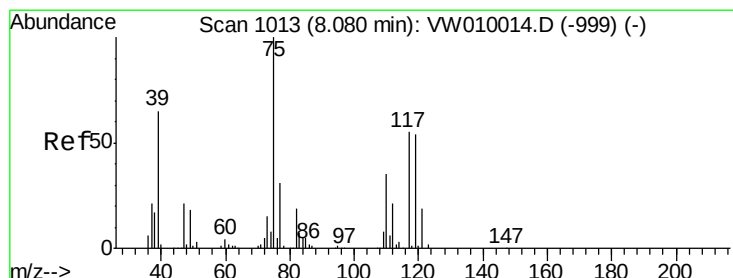
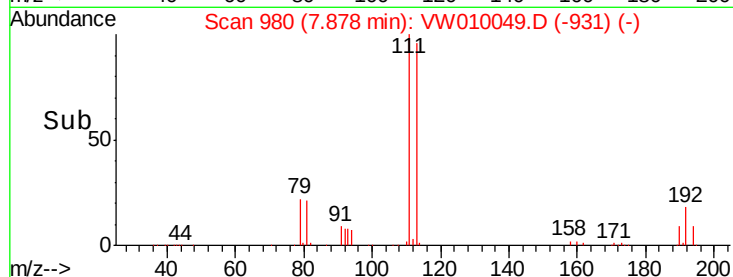
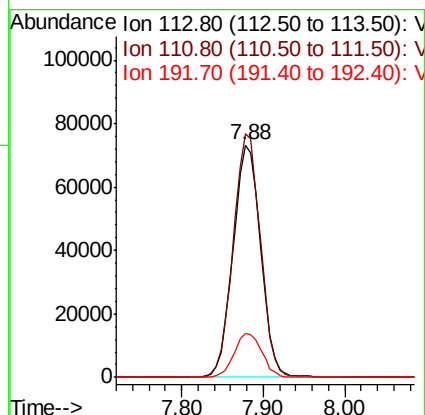
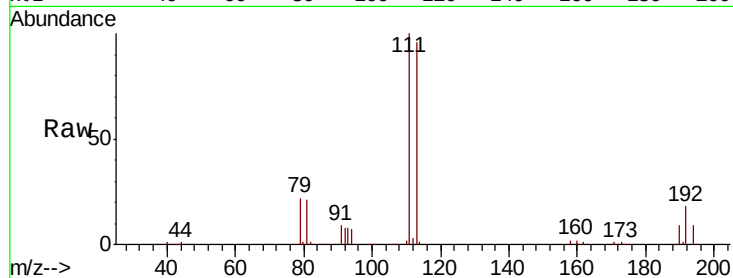




#35
 Dibromofluoromethane
 Concen: 54.512 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010049.D
 Acq: 18 Apr 2019 17:01

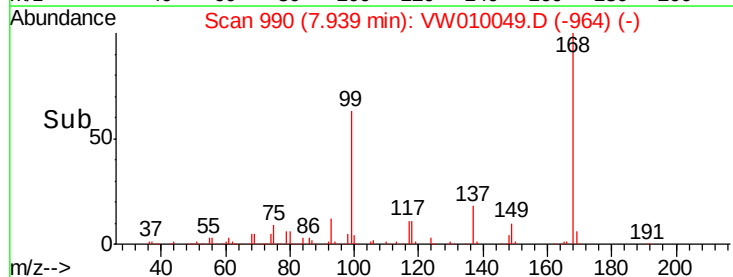
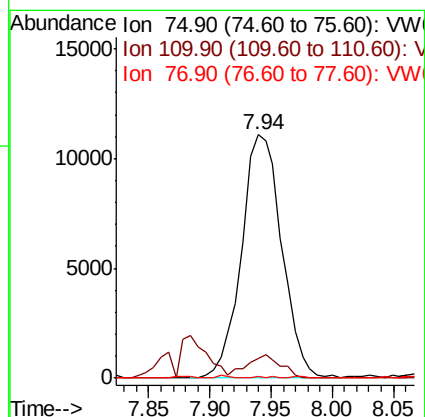
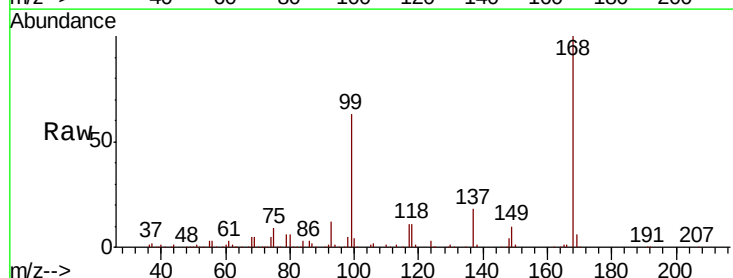
Instrument :
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 ClientSampleId :
 TP-14-S2RE

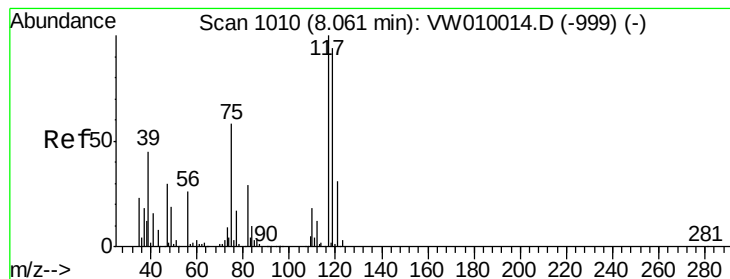
Tgt Ion:113 Resp: 170178
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.6 123.8
 192 19.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.069 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010049.D
 Acq: 18 Apr 2019 17:01

Tgt Ion: 75 Resp: 25424
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.6 49.8#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.12 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

TP-14-S2RE

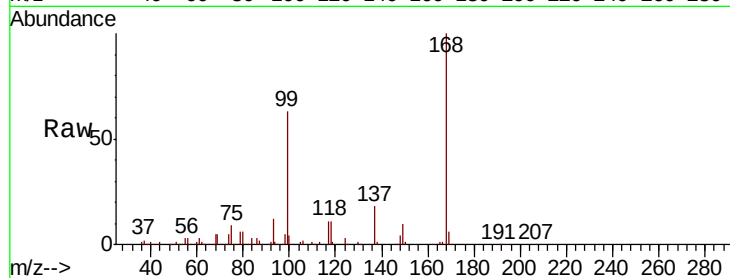
Tgt Ion:117 Resp: 29383

Ion Ratio Lower Upper

117 100

119 6.4 75.3 112.9#

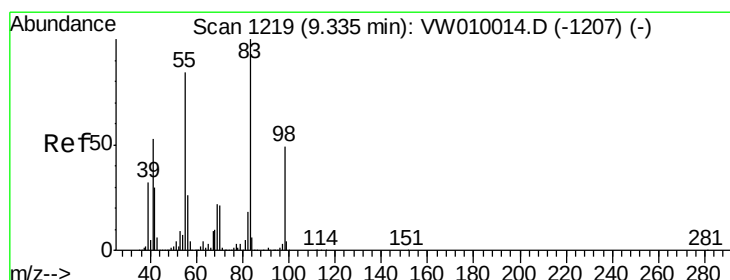
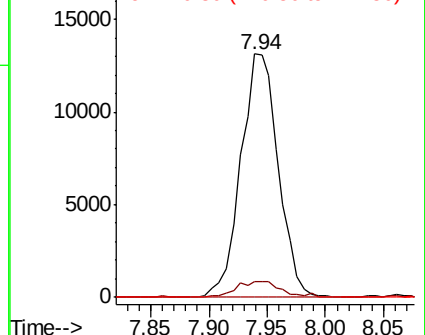
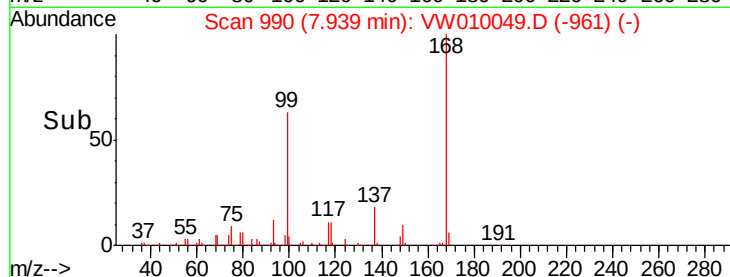
121 0.0 24.4 36.6#



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: 1.240 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

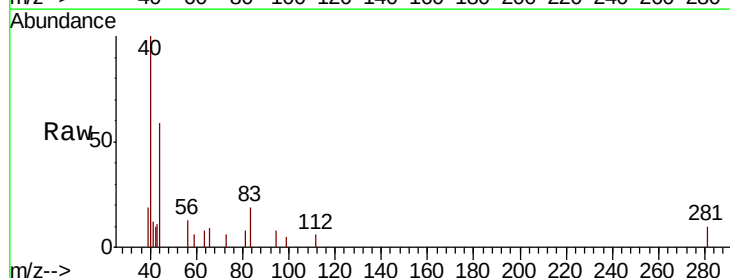
Tgt Ion: 83 Resp: 267

Ion Ratio Lower Upper

83 100

55 0.0 67.1 100.7#

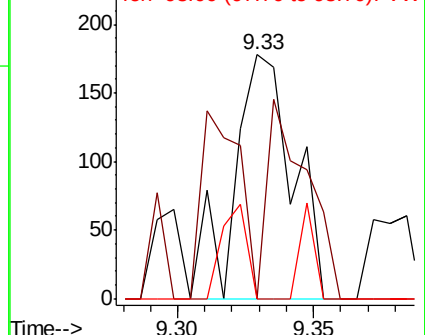
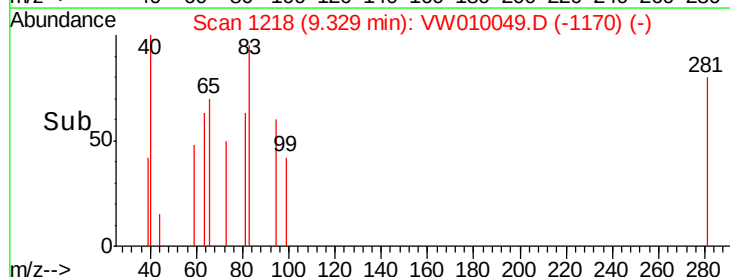
98 29.2 39.2 58.8#

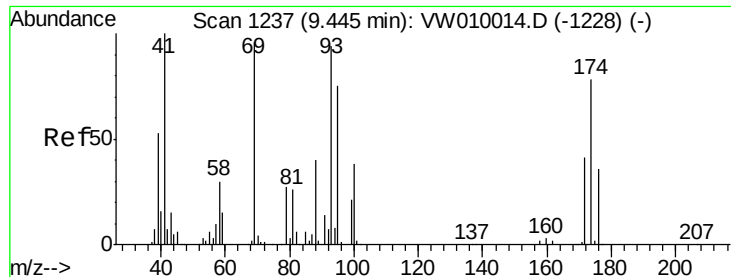


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

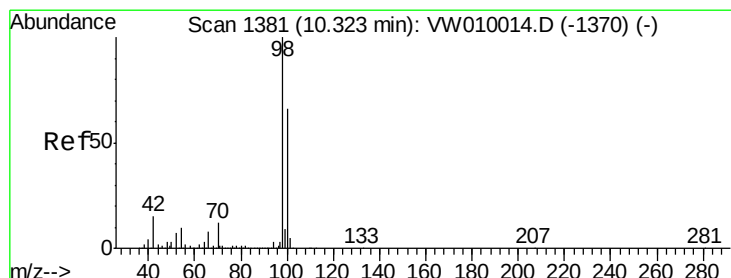
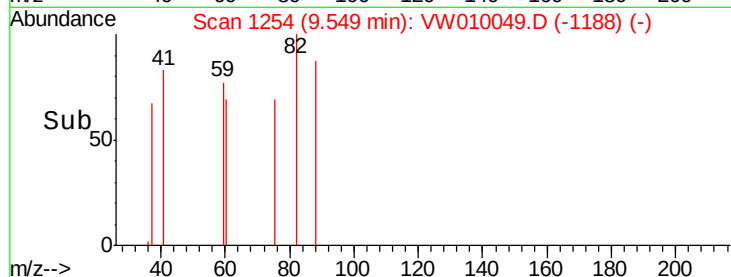
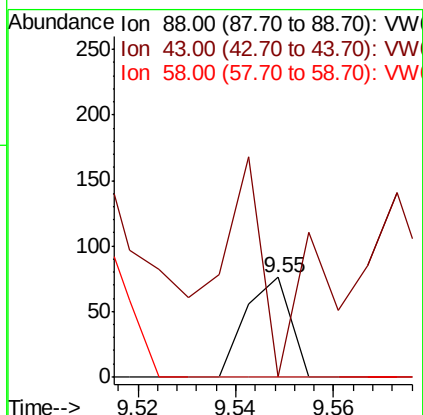
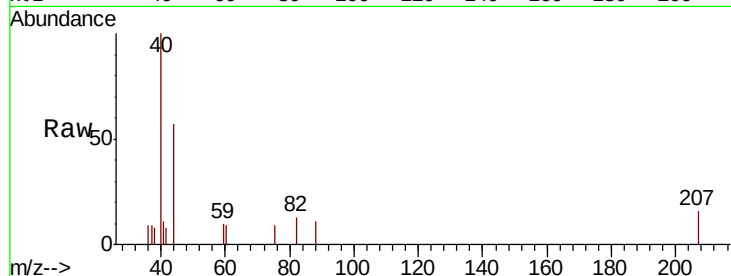




#49
1,4-Dioxane
Concen: 1.681 ug/l
RT: 9.55 min Scan# 1254
Delta R.T. 0.10 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

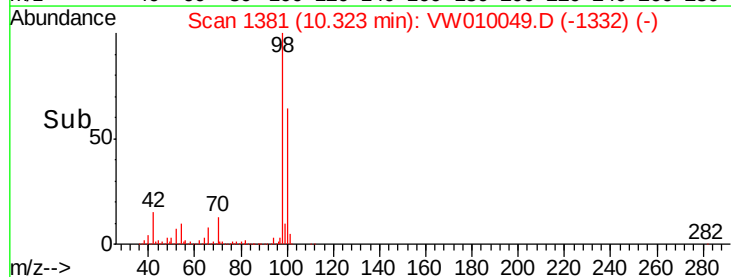
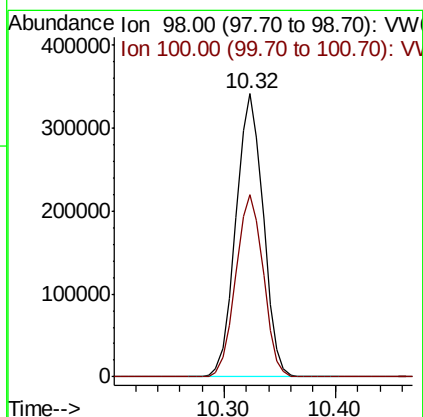
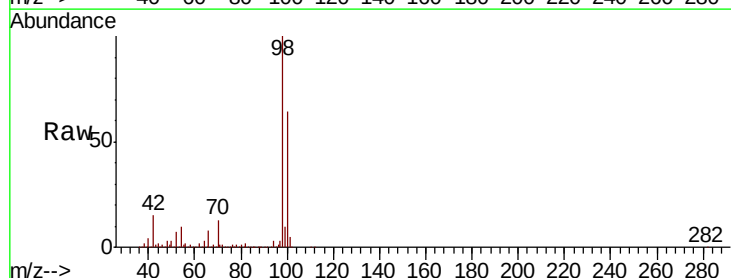
Instrument :
MSVOA_W
ClientSampled :
TP-14-S2RE

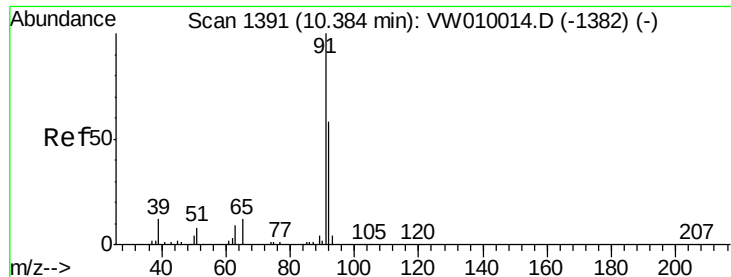
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 187.5 31.9 47.9#
58 0.0 61.8 92.6#



#50
Toluene-d8
Concen: 49.660 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

Tgt Ion: 98 Resp: 580930
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5





#52

Toluene

Concen: 3.110 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

Instrument :

MSVOA_W

ClientSampled :

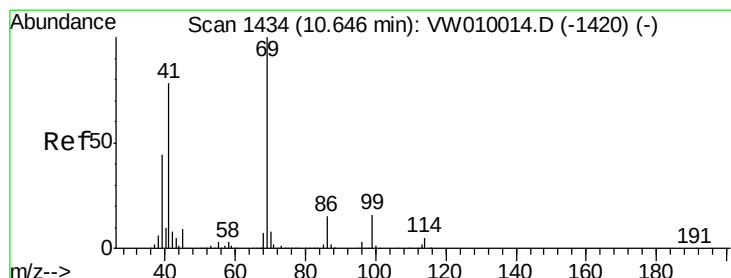
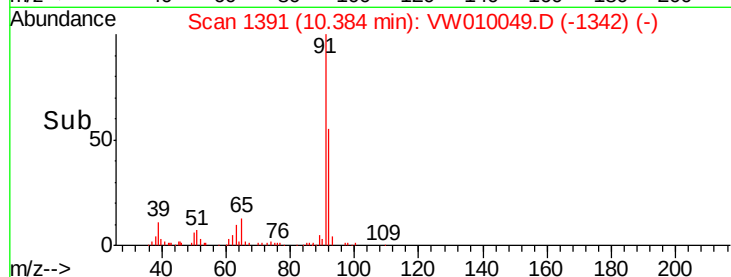
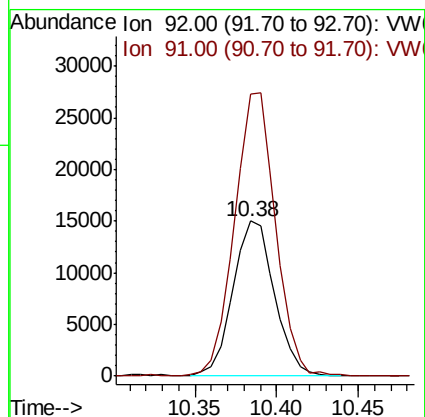
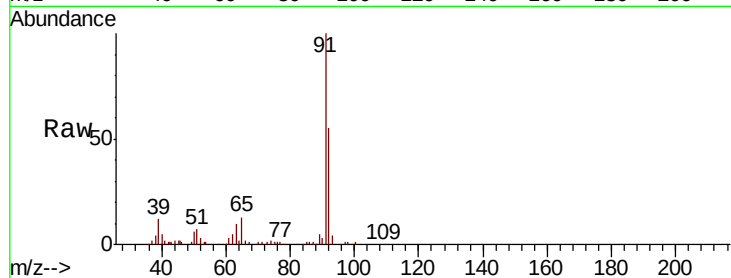
TP-14-S2RE

Tgt Ion: 92 Resp: 26567

Ion Ratio Lower Upper

92 100

91 180.4 138.5 207.7



#56

Ethyl methacrylate

Concen: 2.679 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

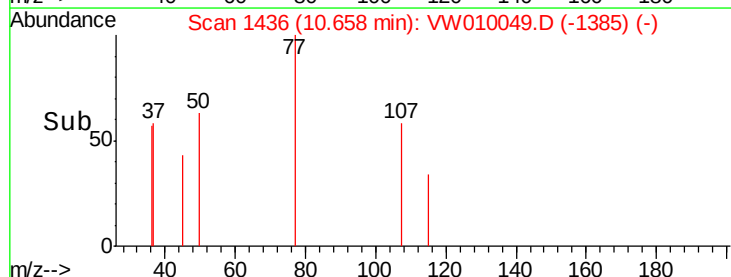
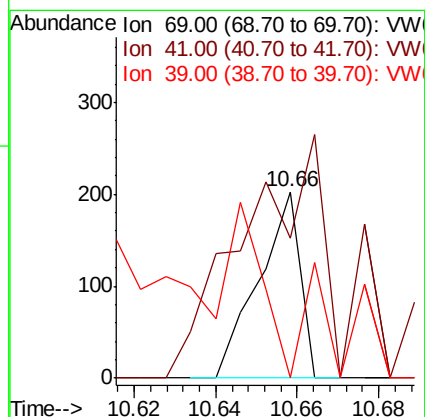
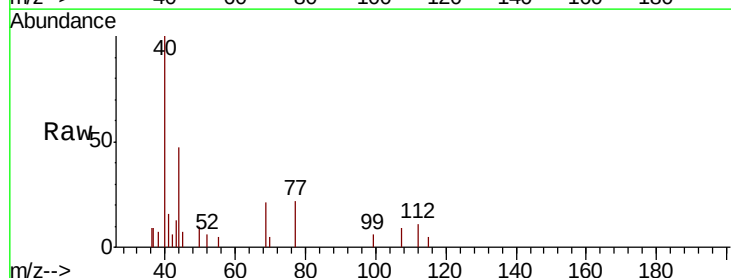
Tgt Ion: 69 Resp: 144

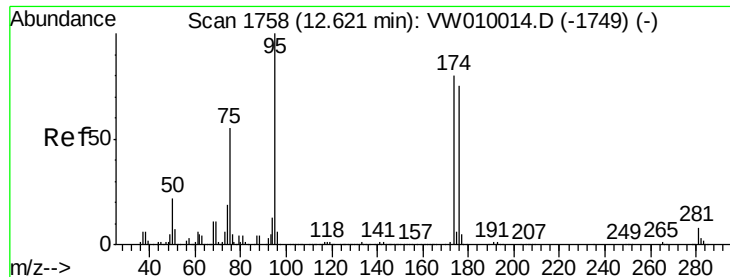
Ion Ratio Lower Upper

69 100

41 285.4 61.0 91.6#

39 0.0 33.8 50.6#

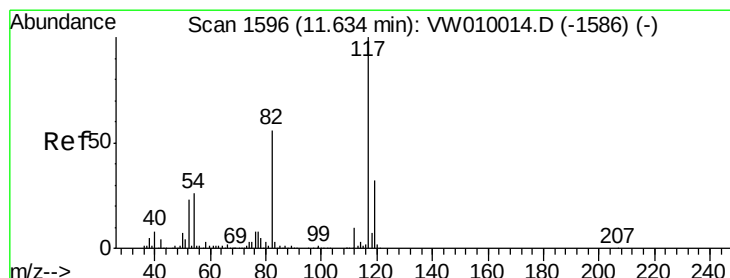
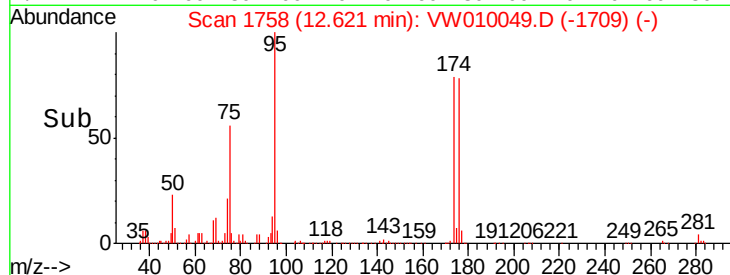
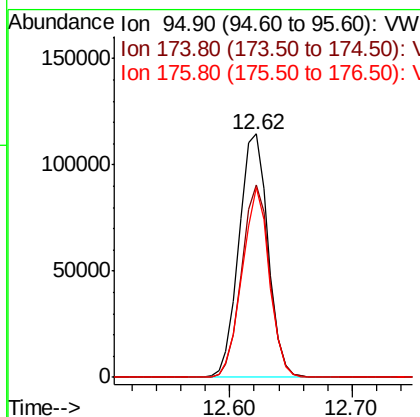
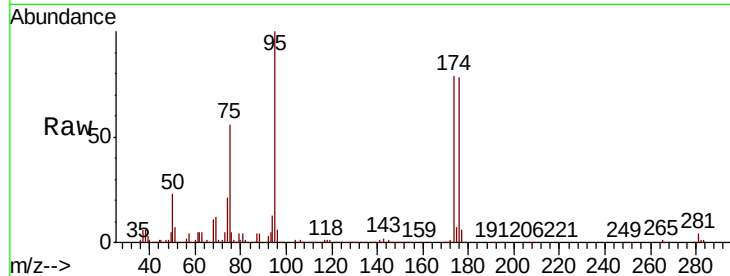




#62
4-Bromofluorobenzene
Concen: 44.294 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

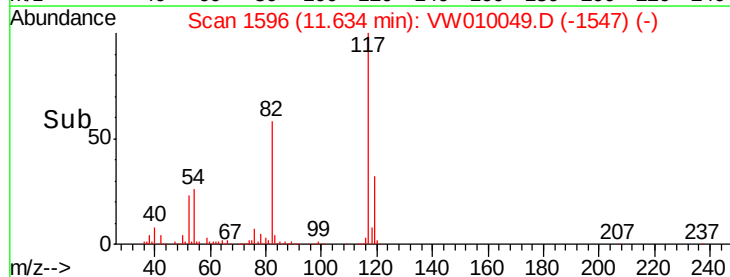
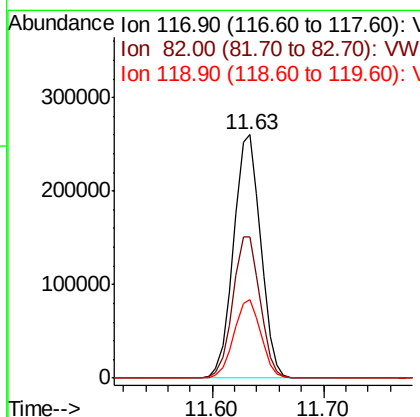
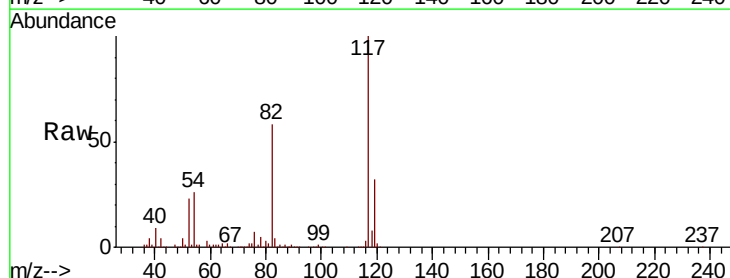
Instrument :
MSVOA_W
ClientSampleId :
TP-14-S2RE

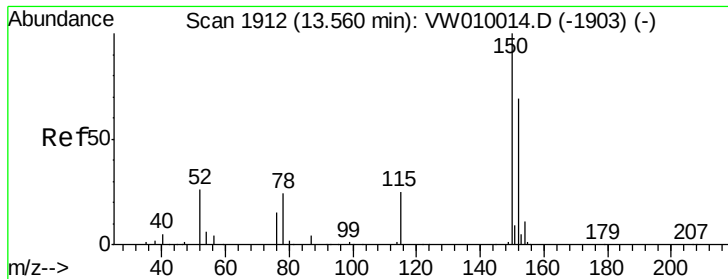
Tgt Ion: 95 Resp: 188348
Ion Ratio Lower Upper
95 100
174 76.8 0.0 151.4
176 73.2 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

Tgt Ion: 117 Resp: 438294
Ion Ratio Lower Upper
117 100
82 57.8 45.2 67.8
119 32.4 25.4 38.2



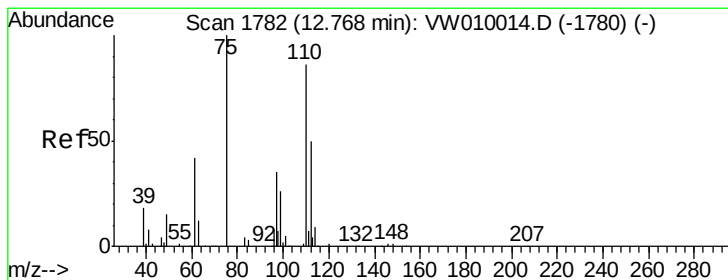
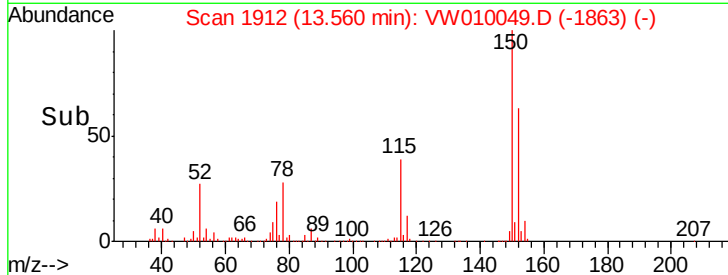
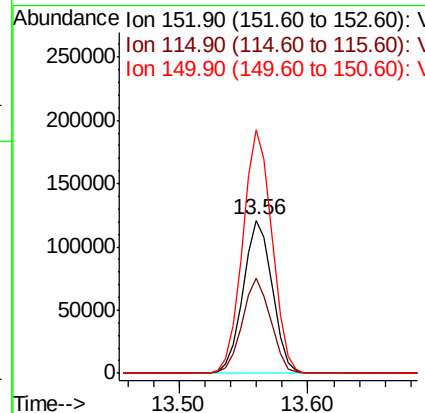
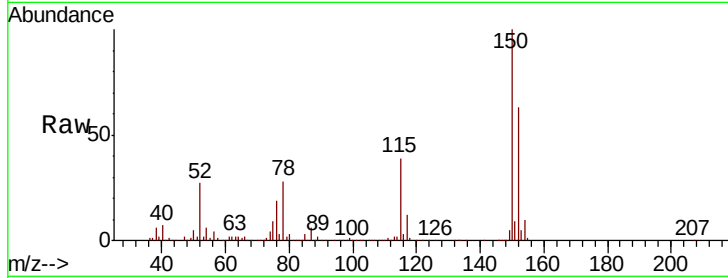


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

Instrument :
MSVOA_W
ClientSampled :
TP-14-S2RE

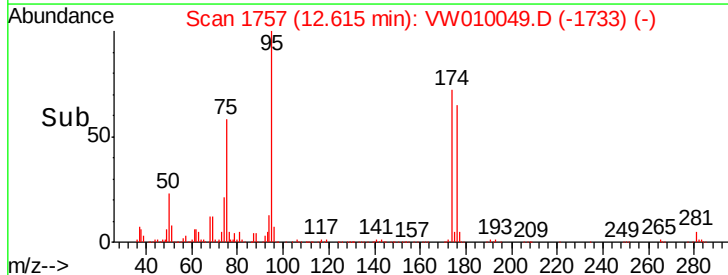
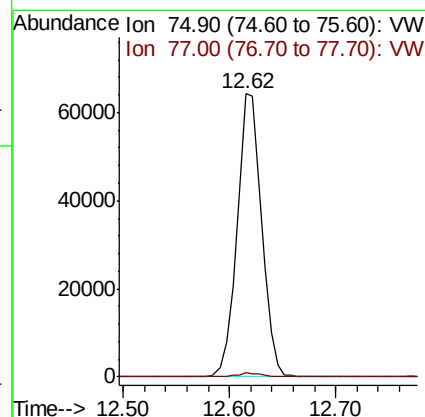
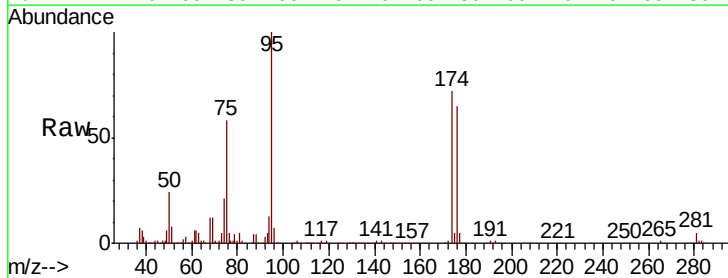
Tgt Ion:152 Resp: 188853
Ion Ratio Lower Upper
152 100
115 60.9 30.4 91.2
150 159.6 0.0 347.0

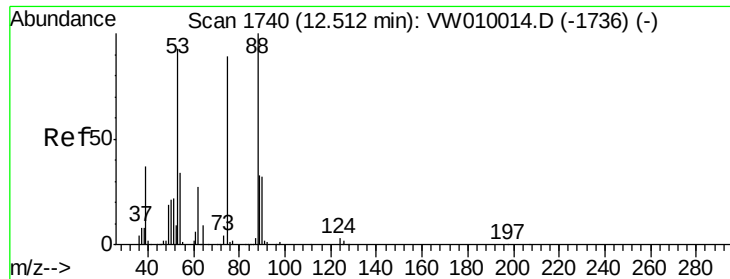


#76

1,2,3-Trichloropropane
Concen: 55.046 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW010049.D
Acq: 18 Apr 2019 17:01

Tgt Ion: 75 Resp: 104044
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 129.796 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

TP-14-S2RE

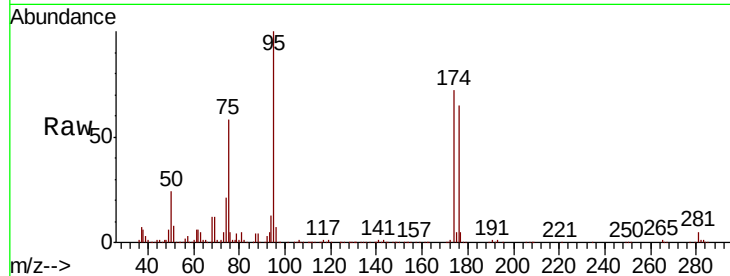
Tgt Ion: 75 Resp: 104044

Ion Ratio Lower Upper

75 100

53 0.5 89.8 134.8#

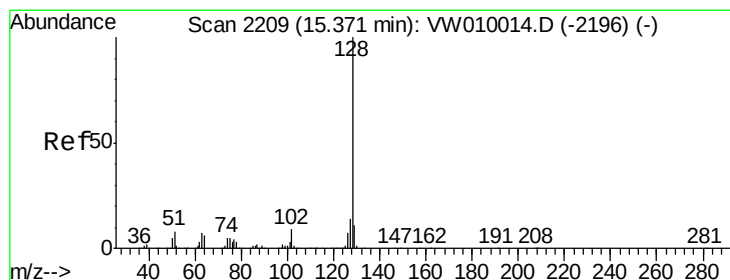
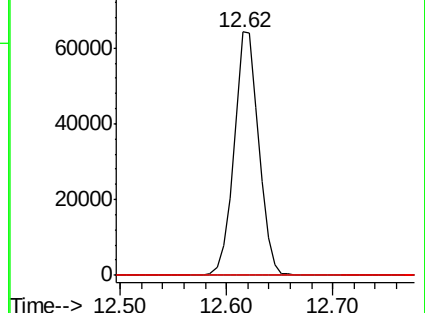
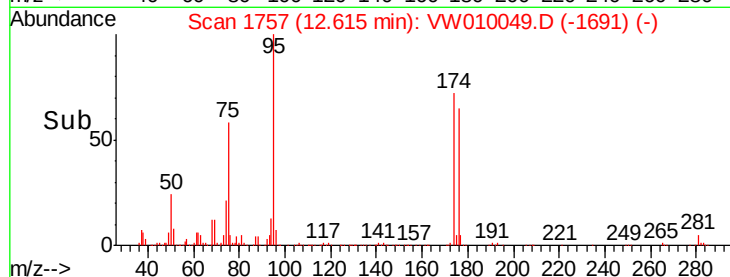
89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.945 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010049.D

Acq: 18 Apr 2019 17:01

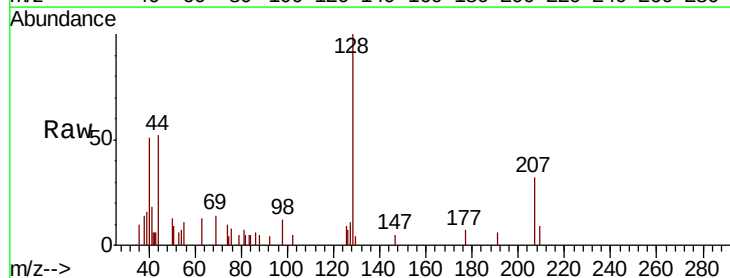
Tgt Ion: 128 Resp: 2313

Ion Ratio Lower Upper

128 100

127 17.3 10.6 15.8#

129 5.4 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

