

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008894.D
 Acq On : 28 Feb 2019 18:16
 Operator : SY/VA
 Sample : K1650-05
 Misc : 5.99G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-2(9-10)

Quant Time: Mar 01 06:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	351535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	540742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	191713	58.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.30%	
35) Dibromofluoromethane	7.88	113	160156	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.32	98	642006	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.62	95	220222	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

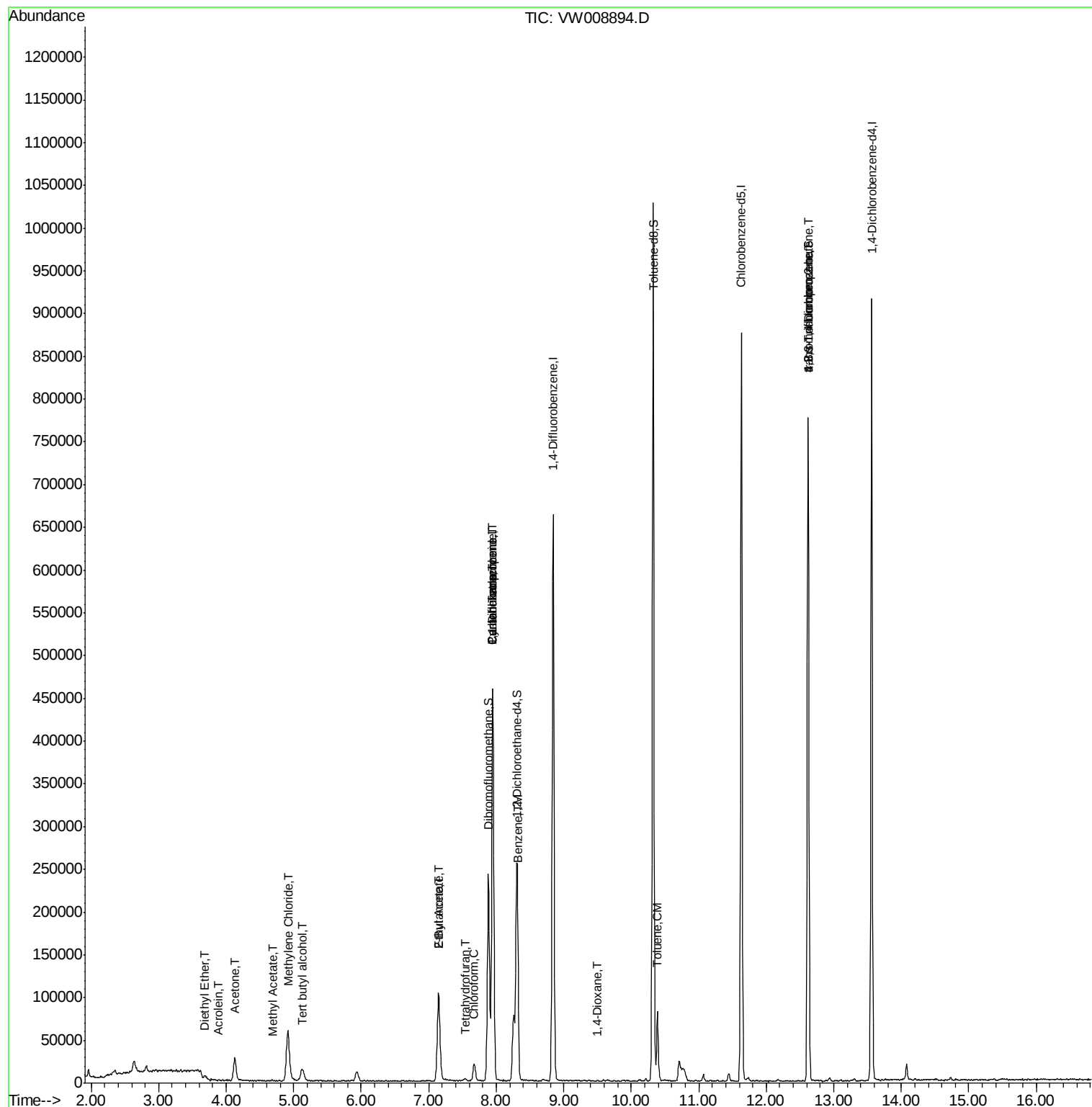
						Qvalue
8) Diethyl Ether	3.68	74	2235	1.230	ug/l	89
11) Tert butyl alcohol	5.13	59	13062	44.500	ug/l #	77
13) Acrolein	3.89	56	56	19.946	ug/l	98
16) Acetone	4.12	43	47861	62.626	ug/l	95
18) Methyl Acetate	4.69	43	1868	1.031	ug/l #	71
20) Methylene Chloride	4.92	84	45300	7.712	ug/l	92
25) 2-Butanone	7.14	43	8246	7.718	ug/l #	74
29) Tetrahydrofuran	7.54	42	2180	3.202	ug/l #	92
30) Chloroform	7.67	83	17532	2.783	ug/l	99
31) Cyclohexane	7.95	56	8231	1.324	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	26243	4.986	ug/l #	51
37) Ethyl Acetate	7.14	43	8246	3.369	ug/l #	26
38) Carbon Tetrachloride	7.95	117	34378	6.193	ug/l #	16
40) Benzene	8.32	78	16142	1.123	ug/l #	88
49) 1,4-Dioxane	9.51	88	42	1.328	ug/l #	1
52) Toluene	10.39	92	33589	3.444	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	118250	62.056	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	118250	150.864	ug/l #	6

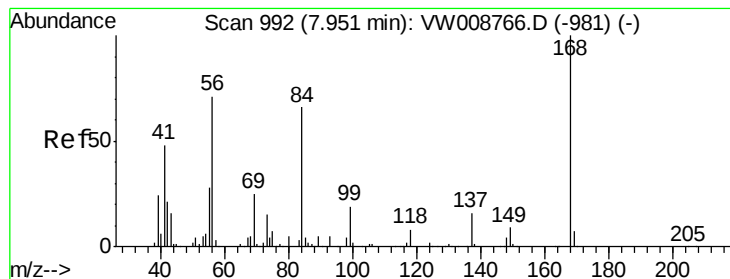
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008894.D

Acq: 28 Feb 2019 18:16

Instrument :

MSVOA_W

ClientSampled :

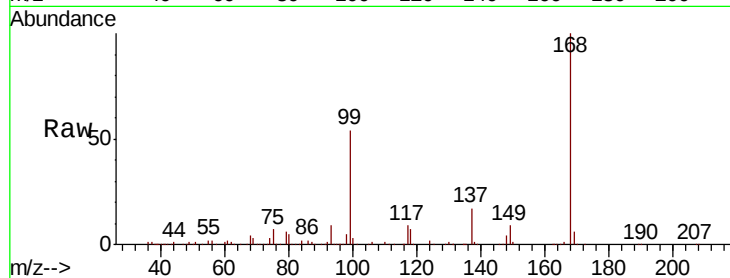
B-2(9-10)

Tot Ion:168 Resp: 351535

Ion Ratio Lower Upper

168 100

99 53.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

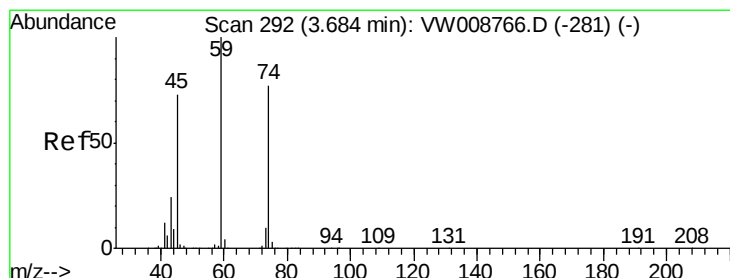
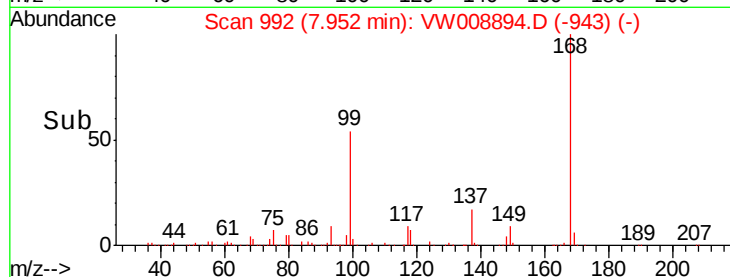
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.230 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008894.D

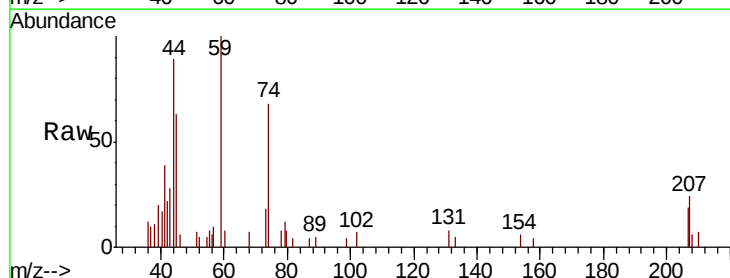
Acq: 28 Feb 2019 18:16

Tgt Ion: 74 Resp: 2235

Ion Ratio Lower Upper

74 100

45 89.3 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

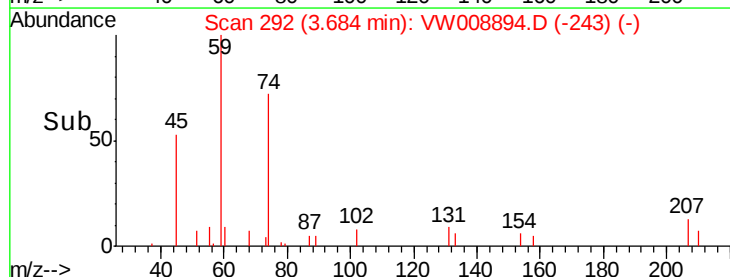
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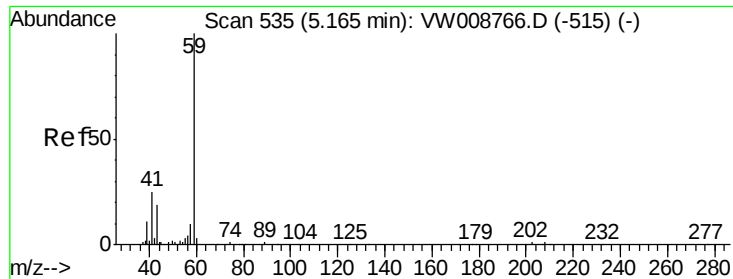
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200

0

Time-->

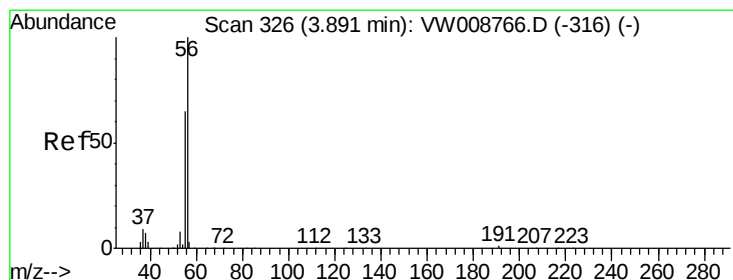
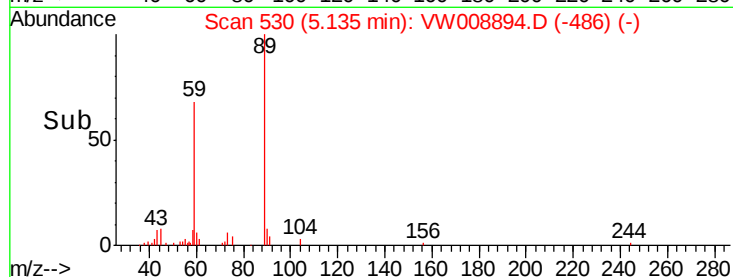
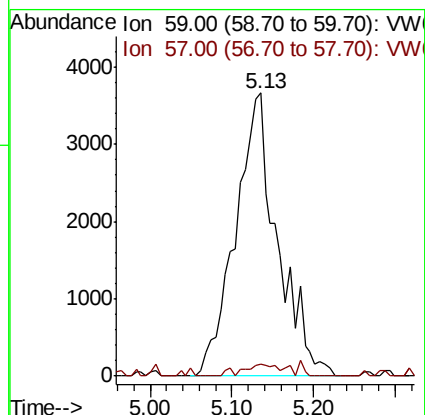
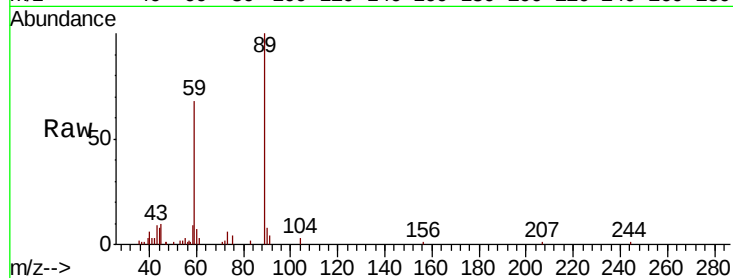




#11
Tert butyl alcohol
Concen: 44.500 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

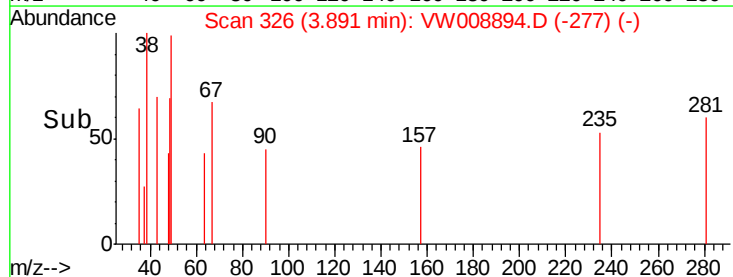
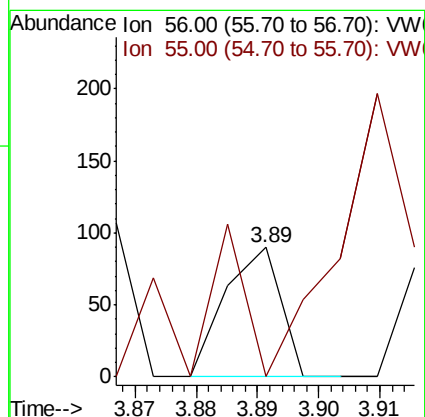
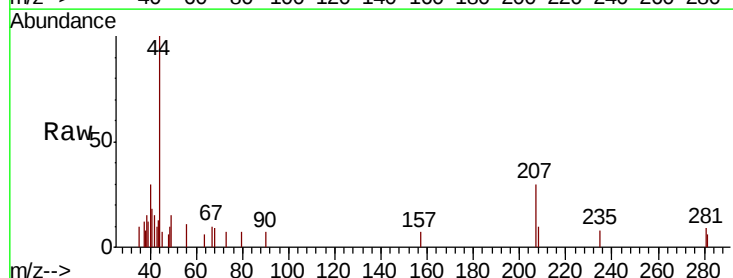
Instrument :
MSVOA_W
ClientSampled :
B-2(9-10)

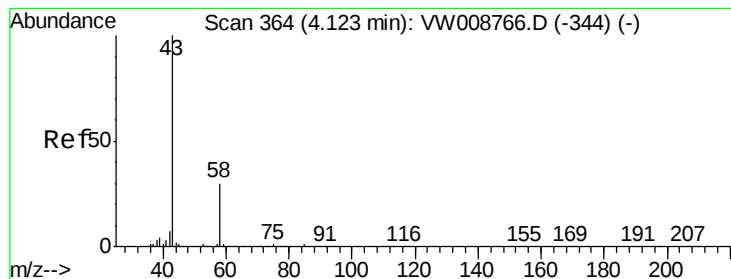
Tot Ion: 59 Resp: 13062
Ion Ratio Lower Upper
59 100
57 2.9 9.3 13.9#



#13
Acrolein
Concen: 19.946 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 69.6 56.9 85.3





#16

Acetone

Concen: 62.626 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008894.D

Acq: 28 Feb 2019 18:16

Instrument :

MSVOA_W

ClientSampled :

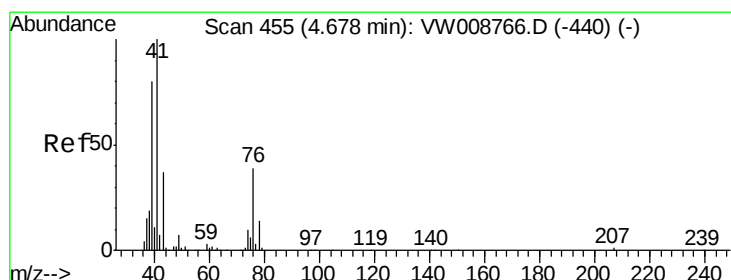
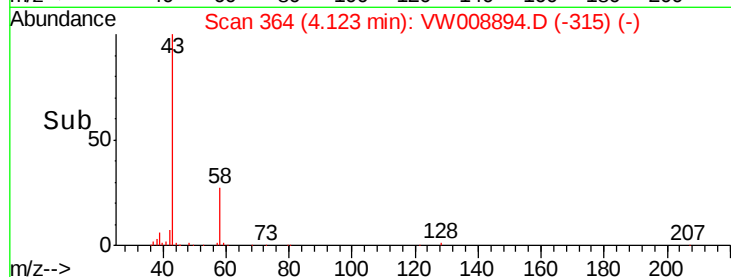
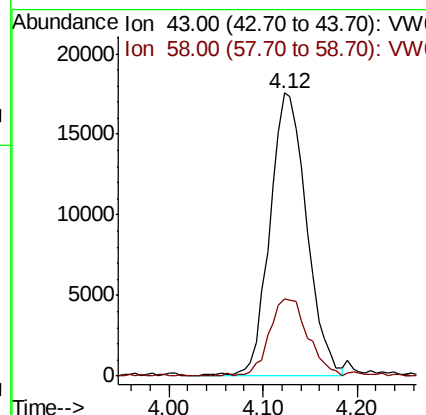
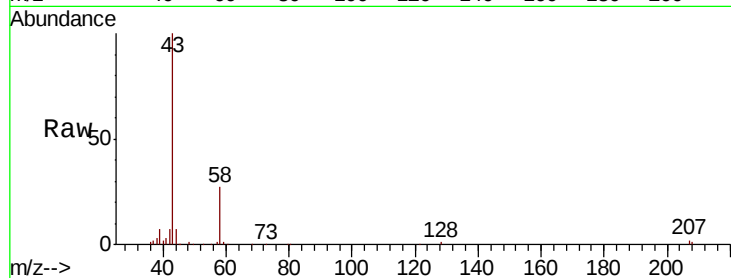
B-2(9-10)

Tot Ion: 43 Resp: 47861

Ion Ratio Lower Upper

43 100

58 27.2 23.8 35.6



#18

Methyl Acetate

Concen: 1.031 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW008894.D

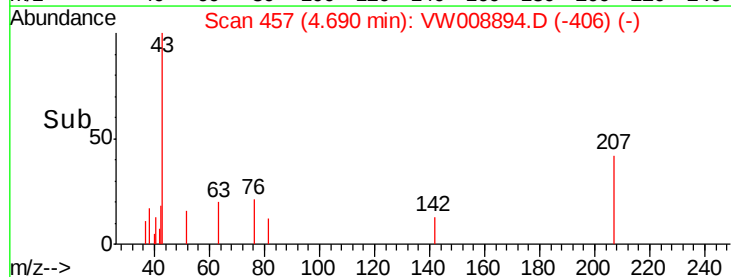
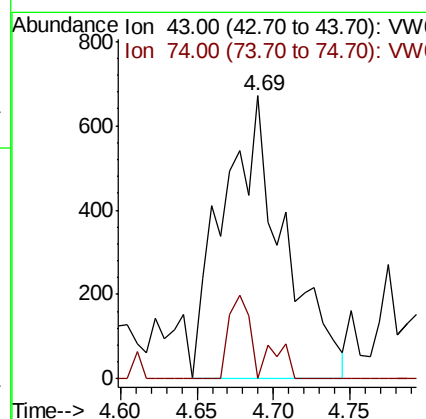
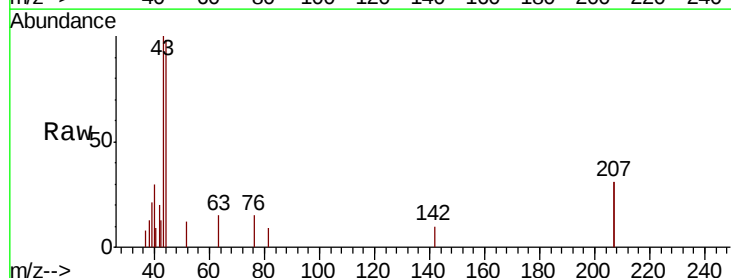
Acq: 28 Feb 2019 18:16

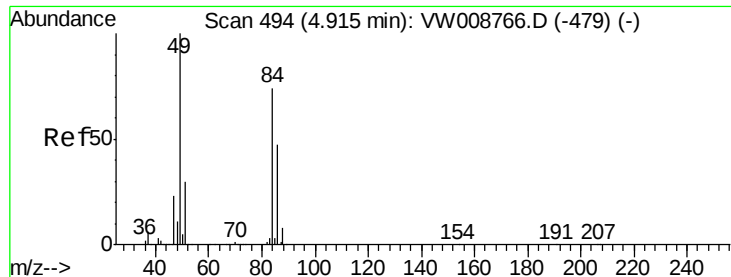
Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

74 9.7 19.4 29.2#

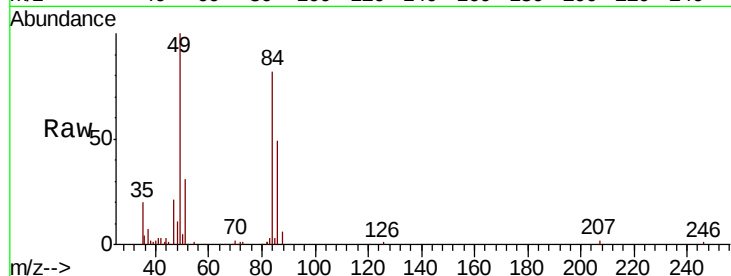




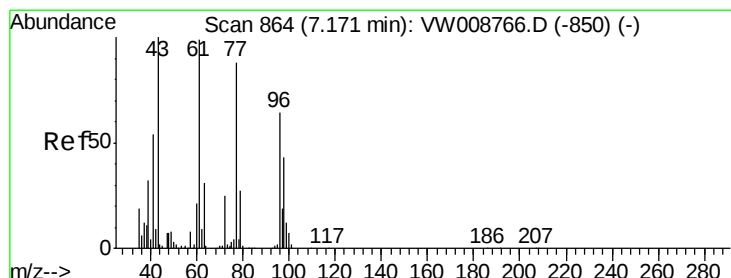
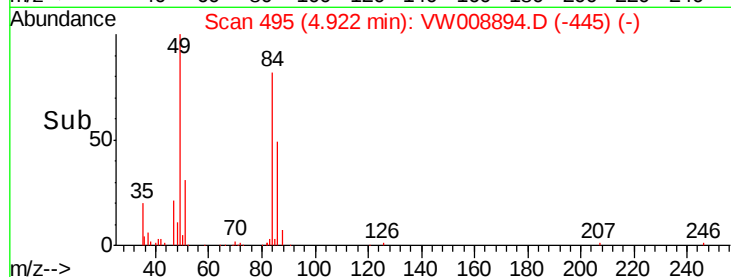
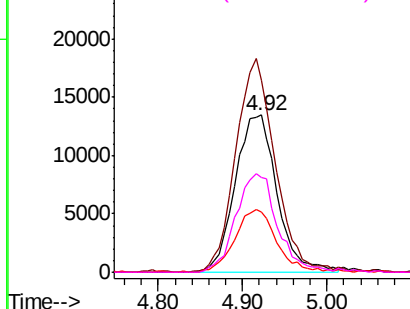
#20
Methvlene Chloride
Concen: 7.712 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Instrument :
MSVOA_W
ClientSampled :
B-2(9-10)

Tot Ion: 84 Resp: 45300
Ion Ratio Lower Upper
84 100
49 122.1 108.2 162.2
51 37.6 32.7 49.1
86 60.0 50.3 75.5

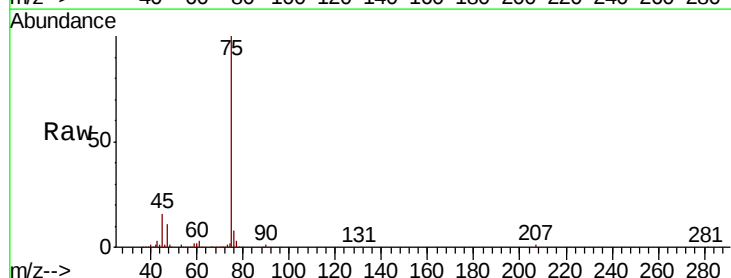


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

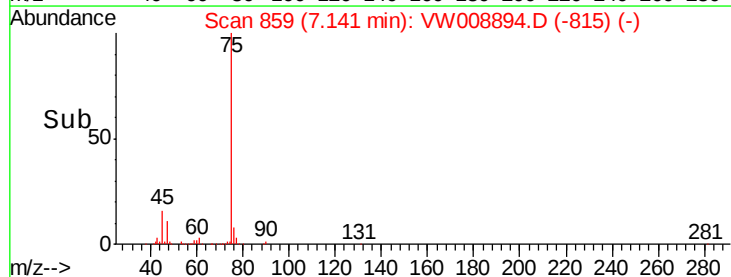
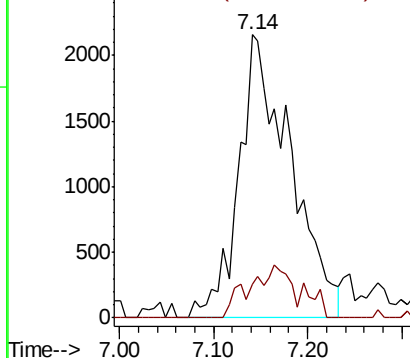


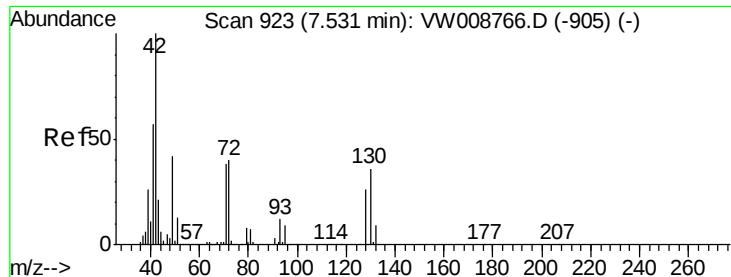
#25
2-Butanone
Concen: 7.718 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion: 43 Resp: 8246
Ion Ratio Lower Upper
43 100
72 11.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

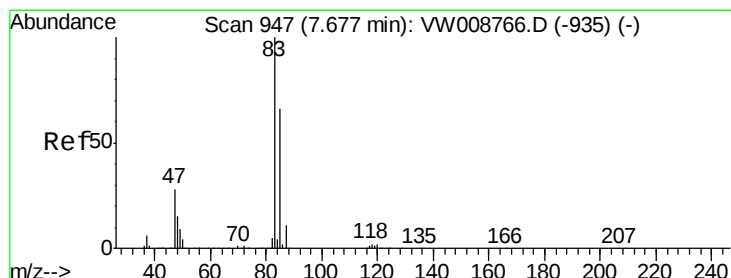
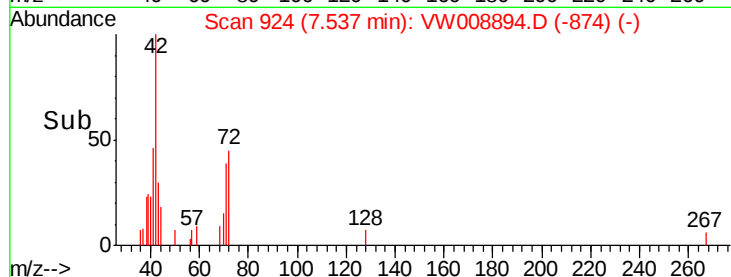
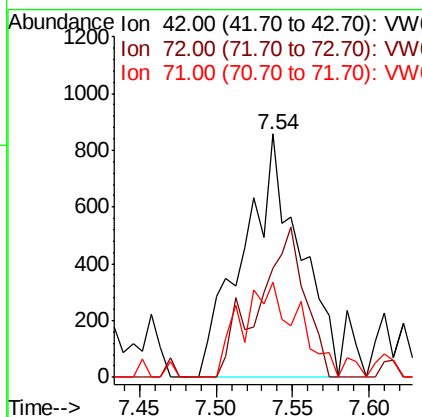
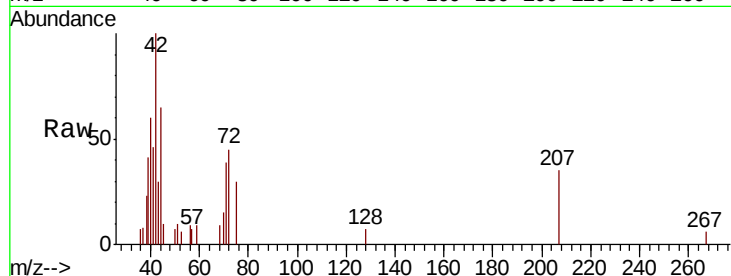




#29
Tetrahydrofuran
Concen: 3.202 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

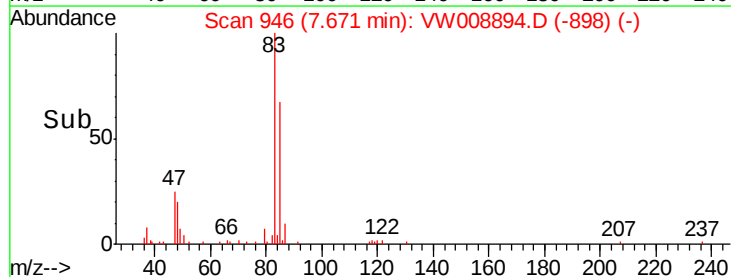
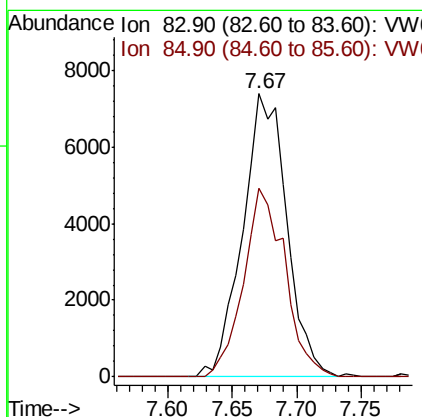
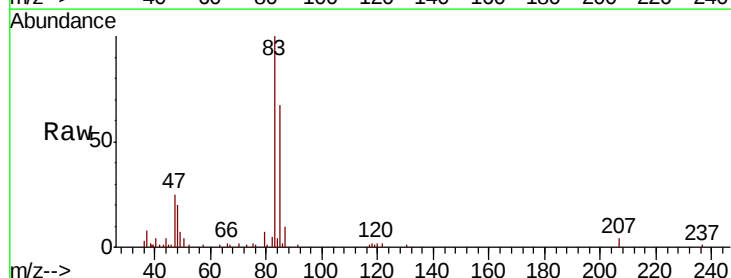
Instrument :
MSVOA_W
ClientSampled :
B-2(9-10)

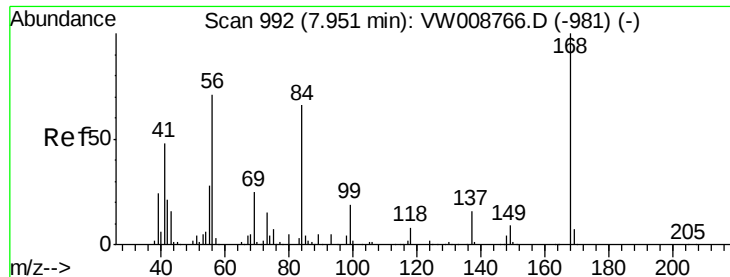
Tot Ion: 42 Resp: 2180
Ion Ratio Lower Upper
42 100
72 51.2 32.7 49.1#
71 39.1 31.3 46.9



#30
Chloroform
Concen: 2.783 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion: 83 Resp: 17532
Ion Ratio Lower Upper
83 100
85 66.7 52.6 79.0

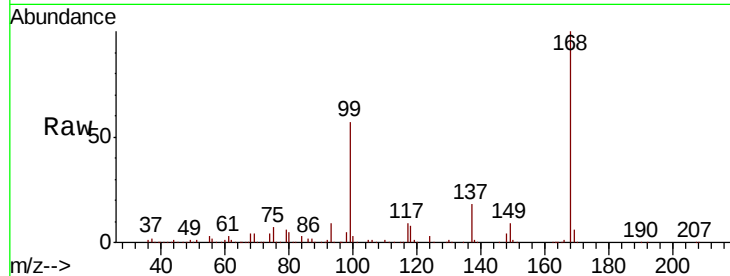




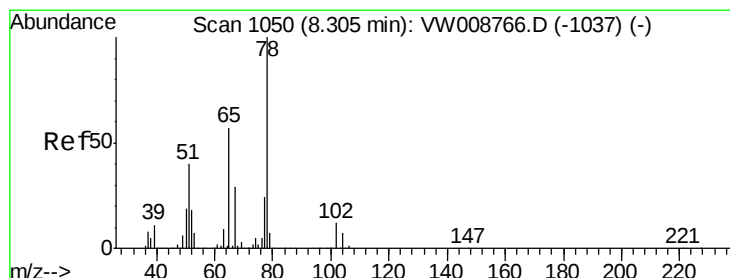
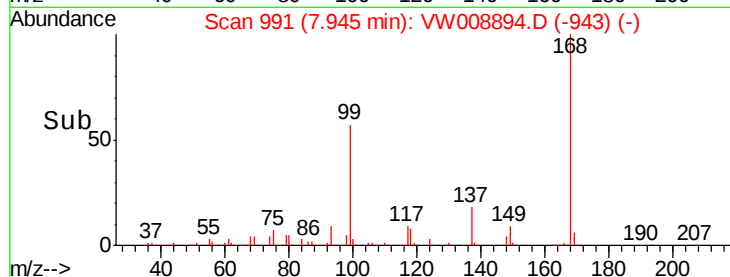
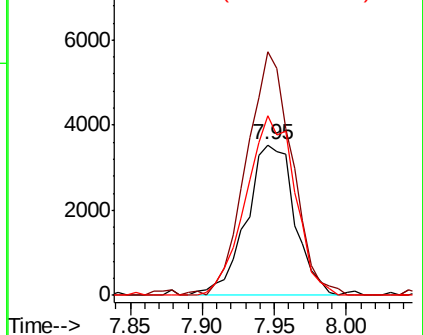
#31
Cyclohexane
Concen: 1.324 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
B-2(9-10)

Tot Ion: 56 Resp: 8231
Ion Ratio Lower Upper
56 100
69 160.2 28.2 42.4#
84 119.7 74.1 111.1#

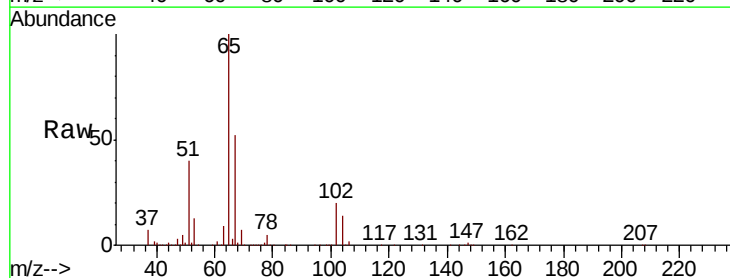


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

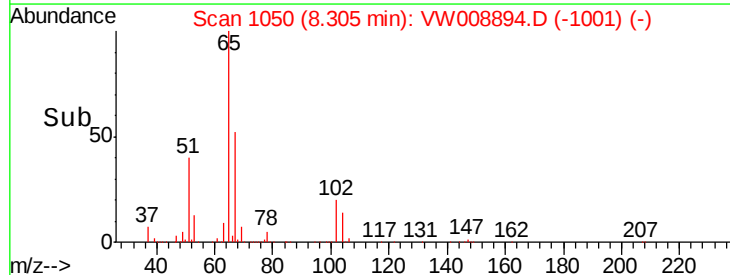
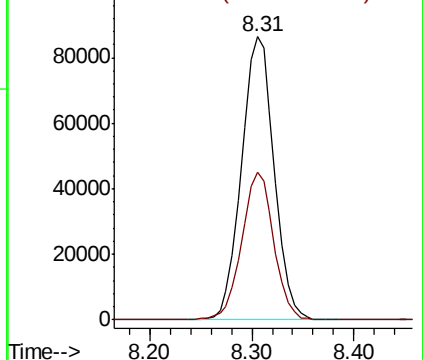


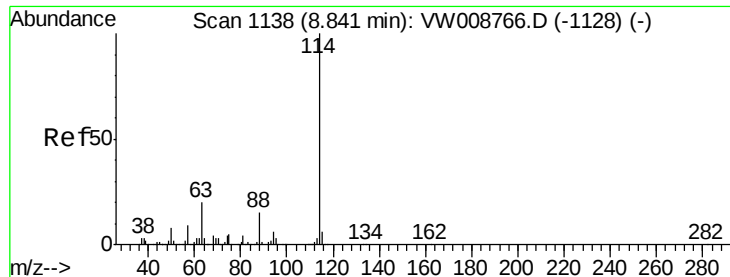
#33
1,2-Dichloroethane-d4
Concen: 58.146 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion: 65 Resp: 191713
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4



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

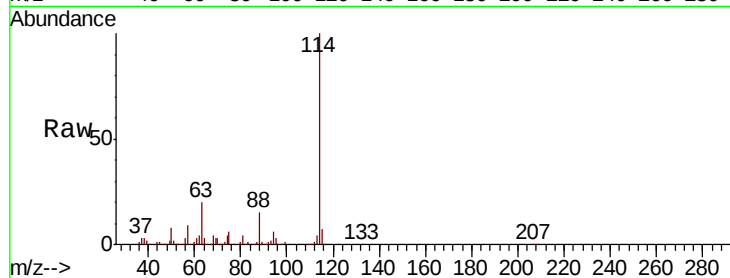




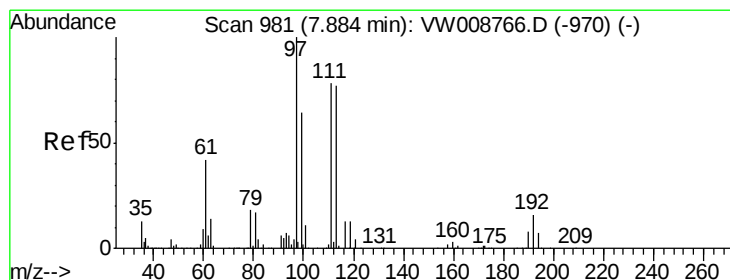
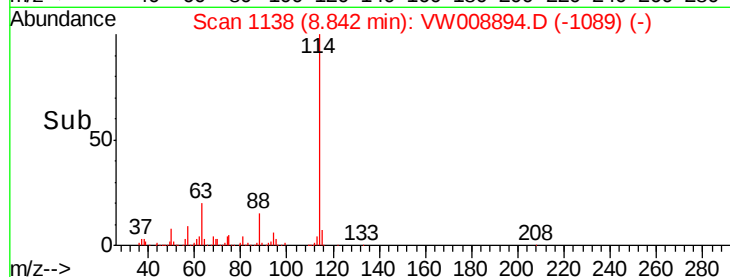
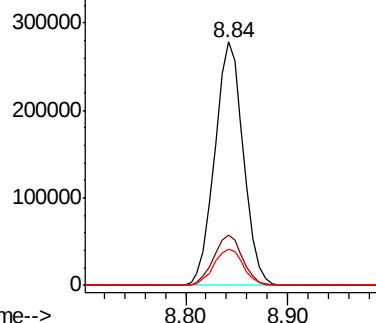
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008894.D
 Acq: 28 Feb 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 B-2(9-10)

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	30.4

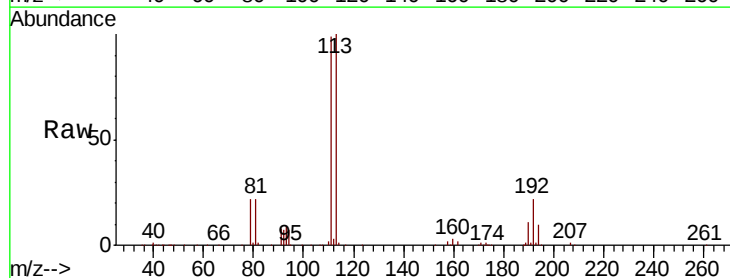


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

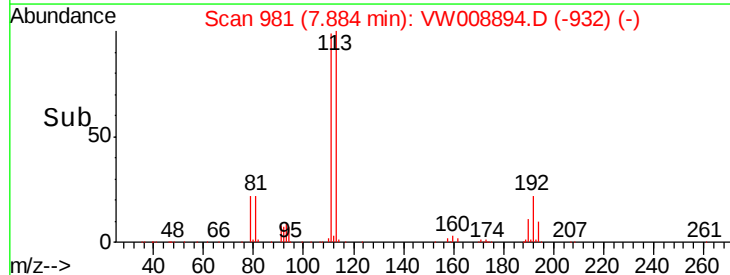
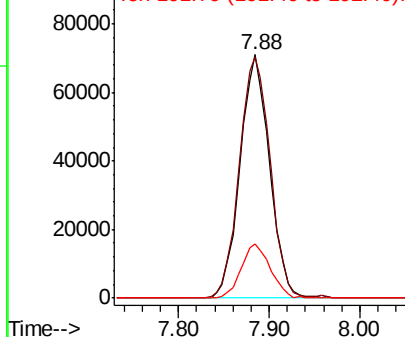


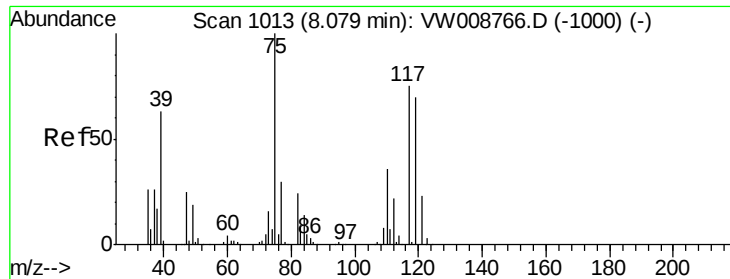
#35
 Dibromofluoromethane
 Concen: 49.329 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008894.D
 Acq: 28 Feb 2019 18:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	22.0	17.1	25.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

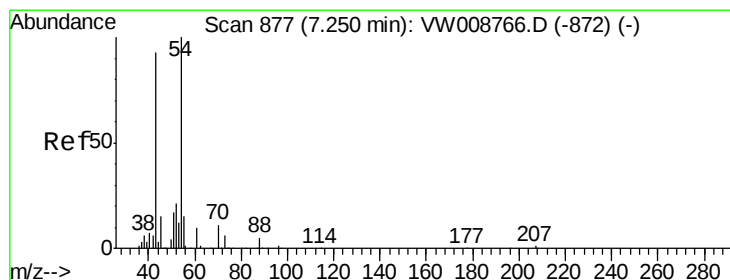
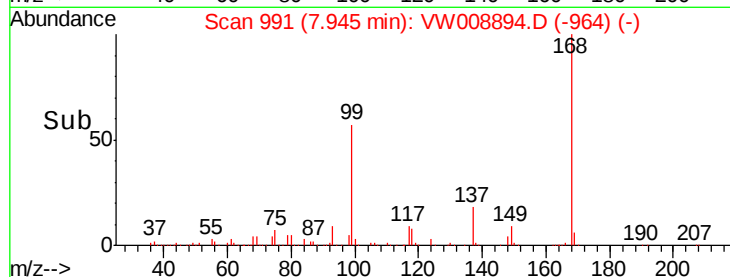
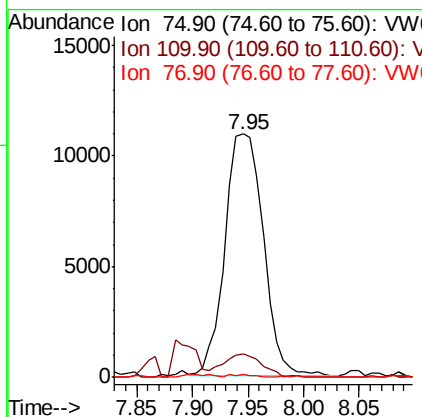
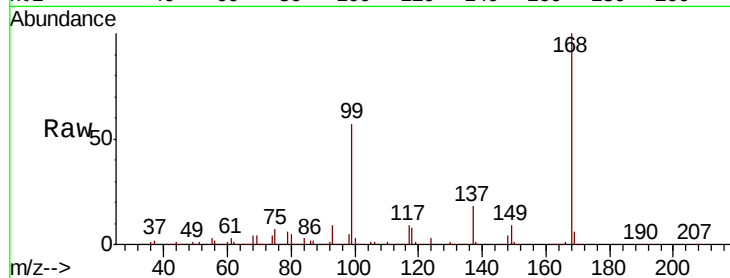




#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008894.D
 Acq: 28 Feb 2019 18:16

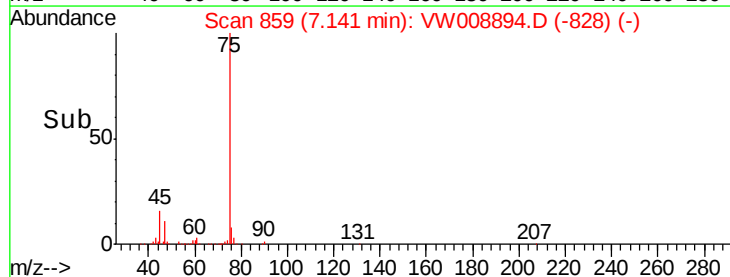
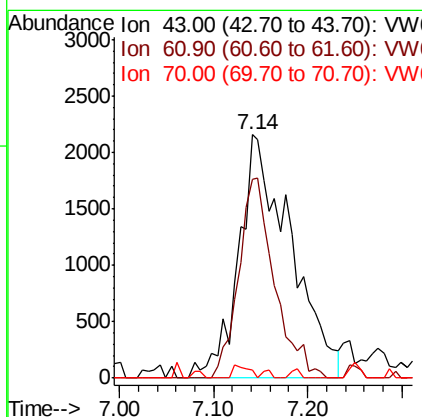
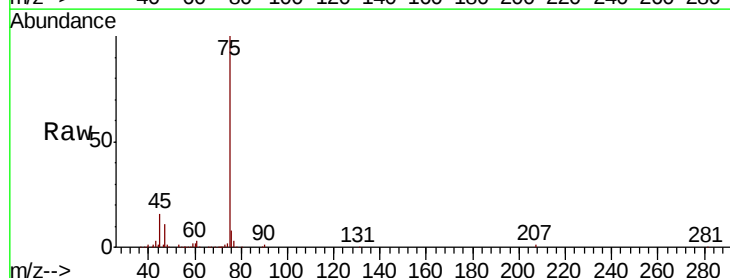
Instrument :
 MSVOA_W
 ClientSampled :
 B-2(9-10)

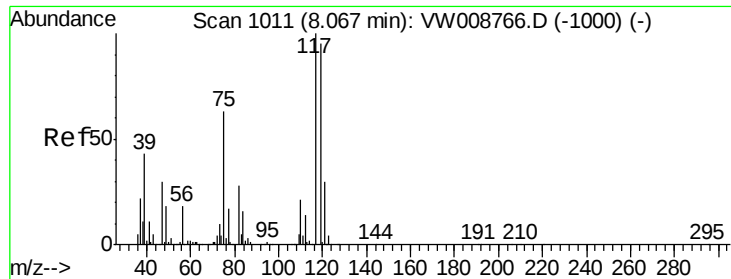
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.5	52.6#
77	0.7	24.5	36.7#



#37
 Ethyl Acetate
 Concen: 3.369 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.11 min
 Lab File: VW008894.D
 Acq: 28 Feb 2019 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	57.2	9.8	14.8#
70	0.6	8.4	12.6#

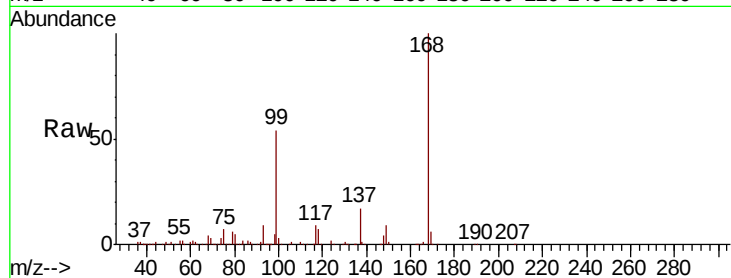




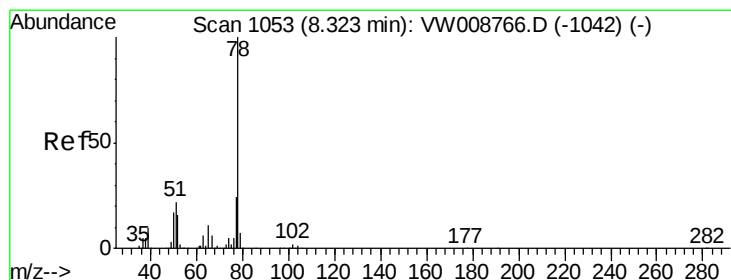
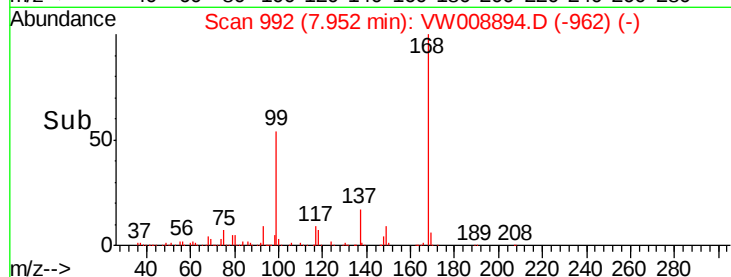
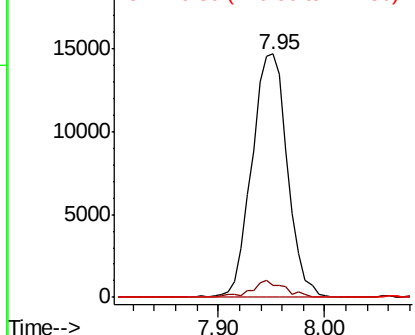
#38
Carbon Tetrachloride
Concen: 6.193 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
B-2(9-10)

Tot Ion:117 Resp: 34378
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.0 36.0#

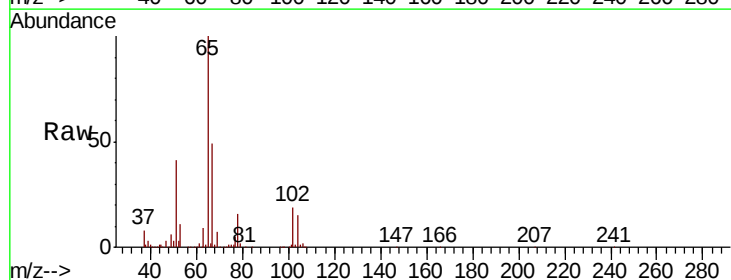


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

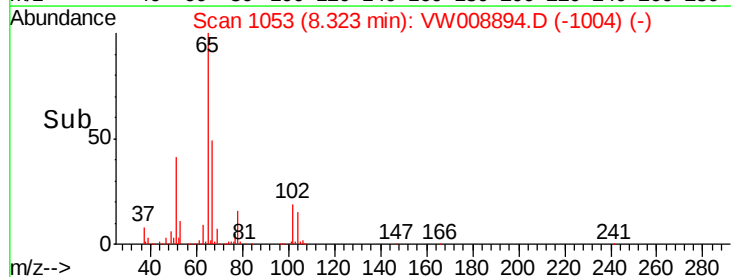
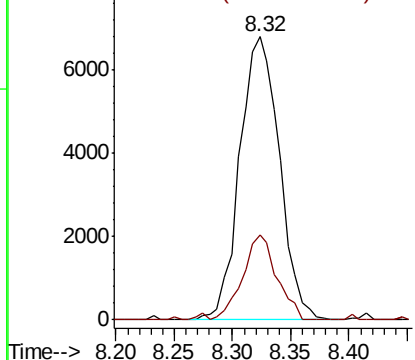


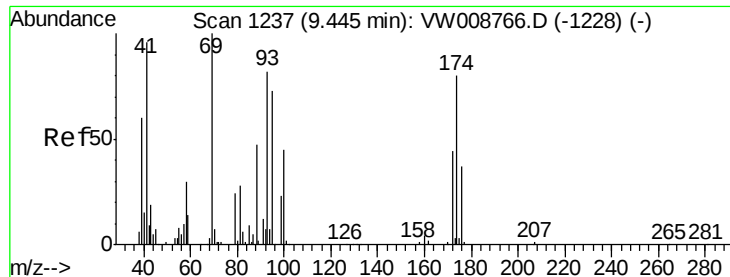
#40
Benzene
Concen: 1.123 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion: 78 Resp: 16142
Ion Ratio Lower Upper
78 100
77 30.0 19.3 28.9#



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

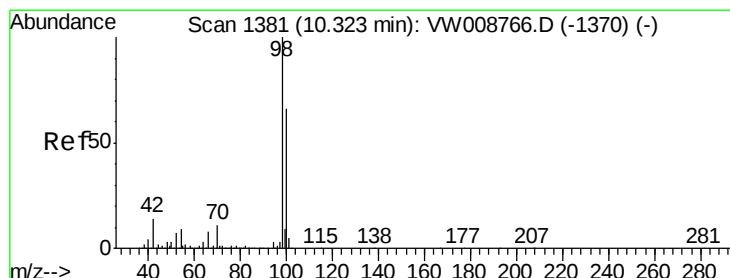
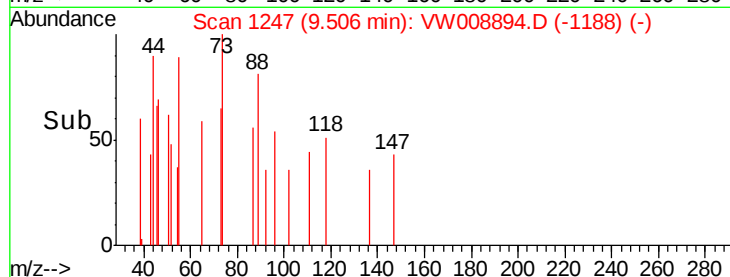
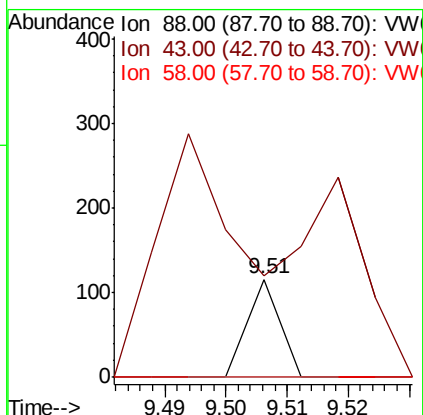
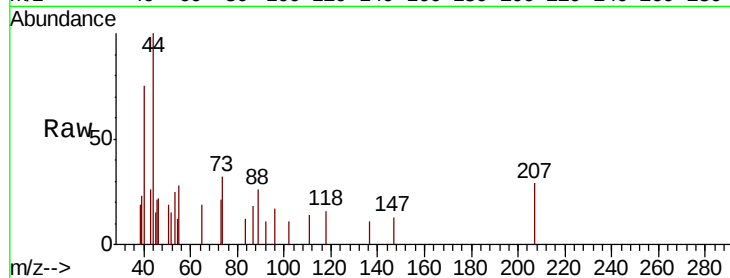




#49
1,4-Dioxane
Concen: 1.328 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.06 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

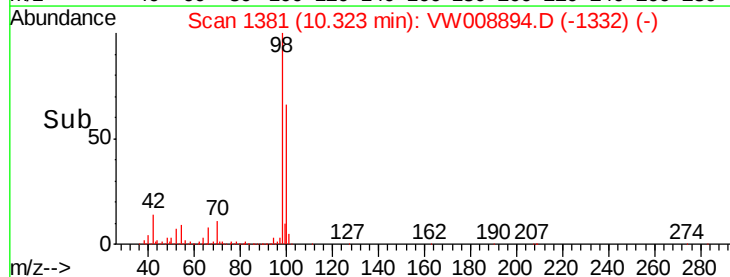
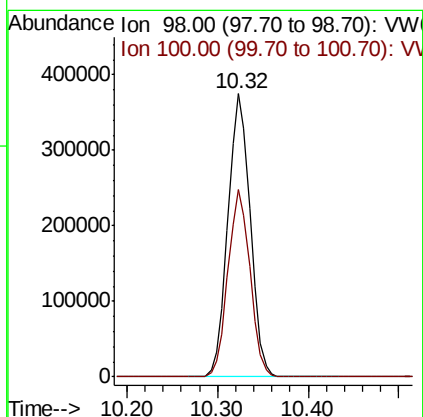
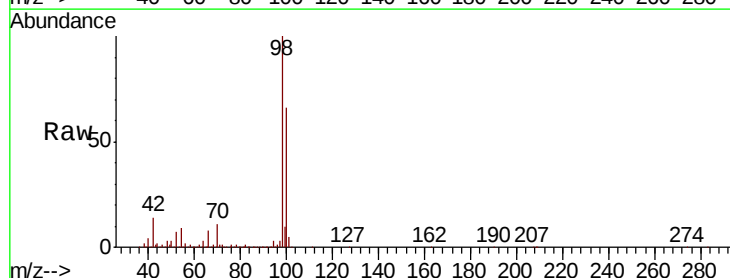
Instrument :
MSVOA_W
ClientSampled :
B-2(9-10)

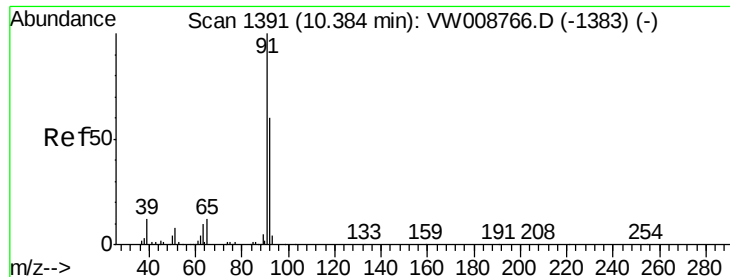
Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 421.4 29.0 43.4#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 51.225 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion: 98 Resp: 642006
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#52

Toluene

Concen: 3.444 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008894.D

Acq: 28 Feb 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

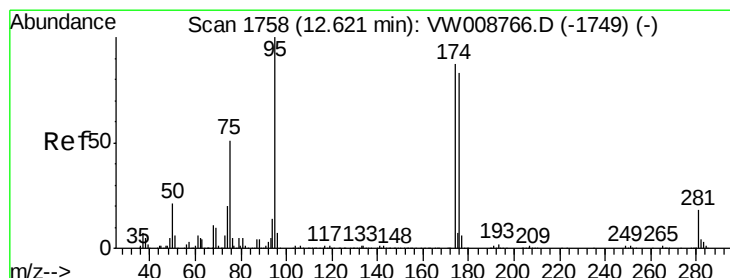
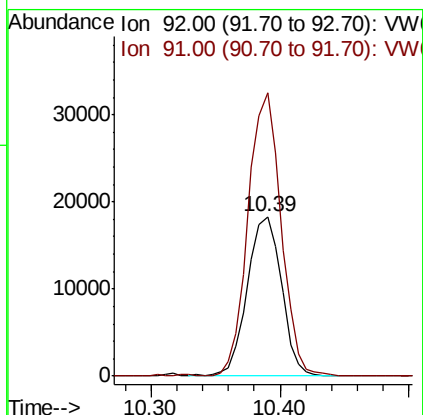
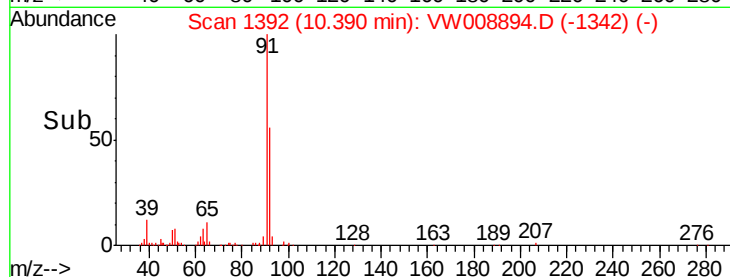
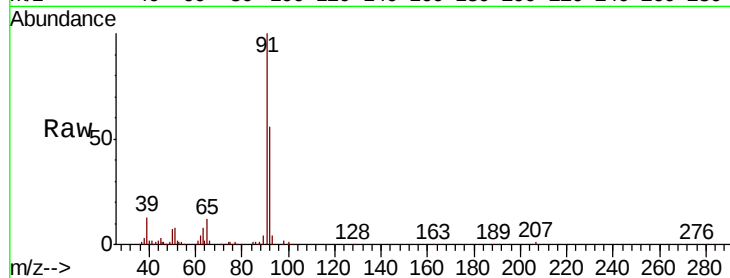
B-2(9-10)

Tot Ion: 92 Resp: 33589

Ion Ratio Lower Upper

92 100

91 171.1 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 44.877 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008894.D

Acq: 28 Feb 2019 18:16

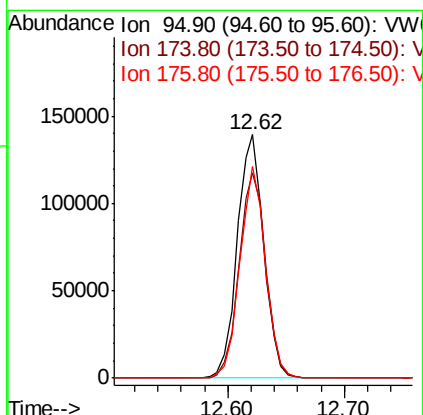
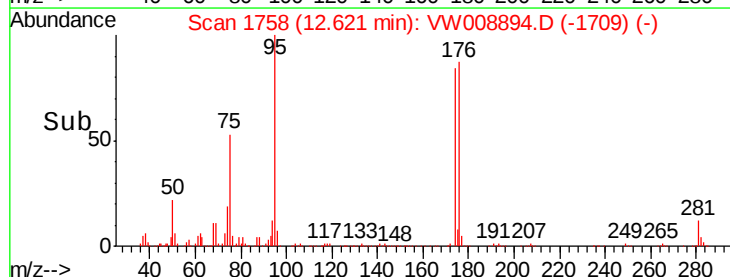
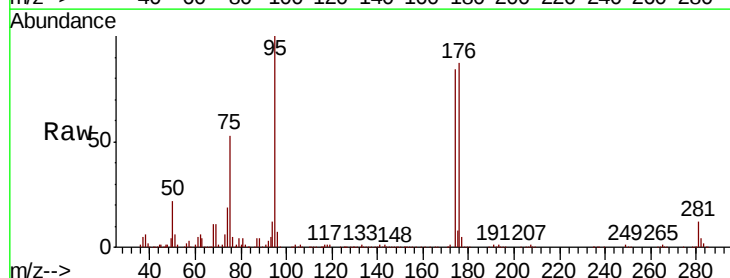
Tgt Ion: 95 Resp: 220222

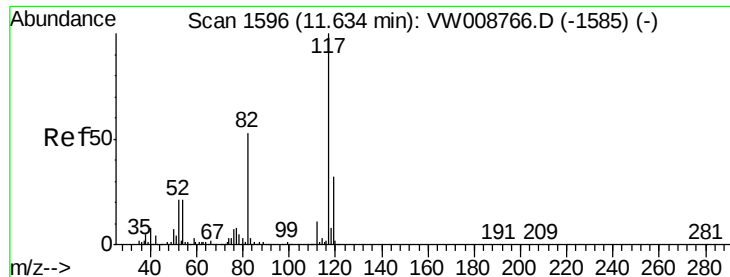
Ion Ratio Lower Upper

95 100

174 85.3 0.0 169.2

176 83.5 0.0 163.6

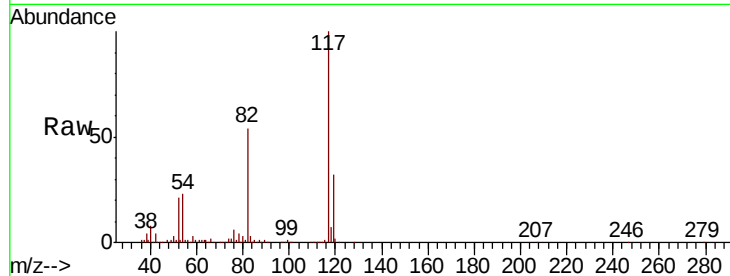




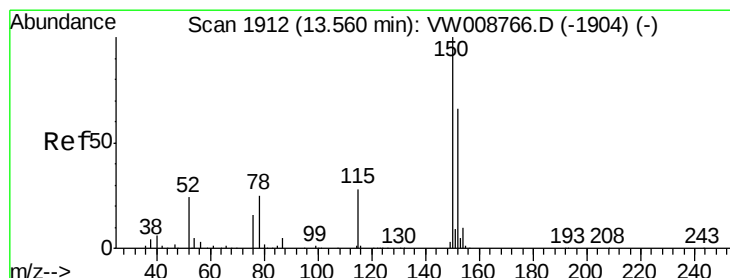
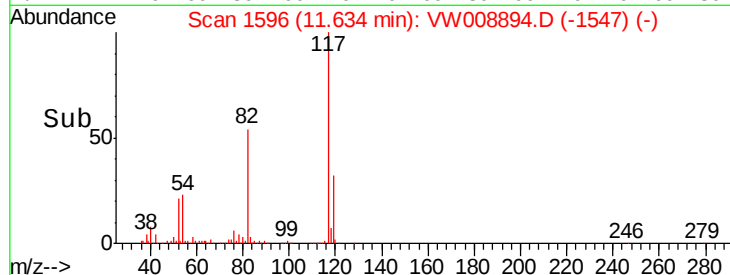
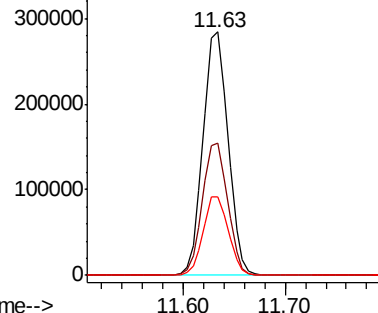
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
B-2(9-10)

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.2	25.9	38.9

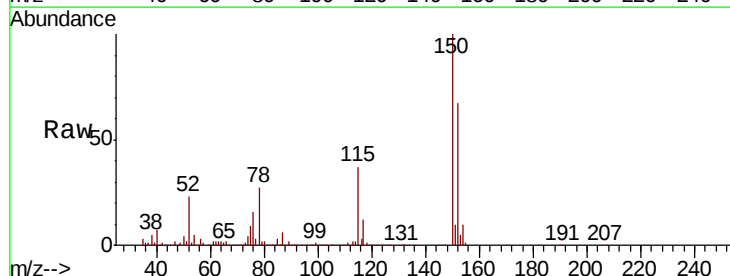


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

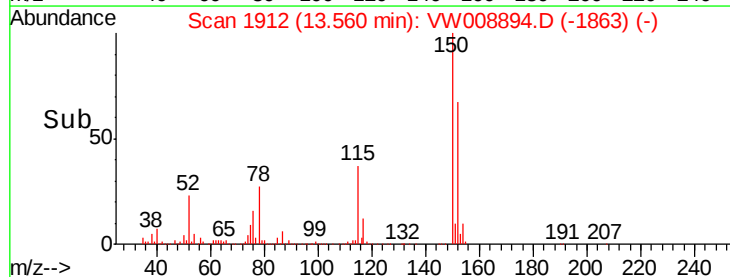
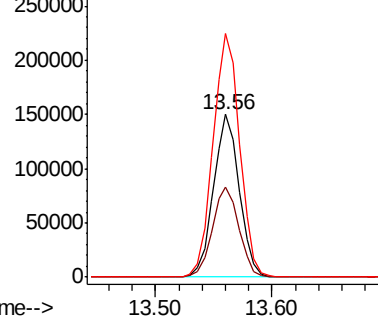


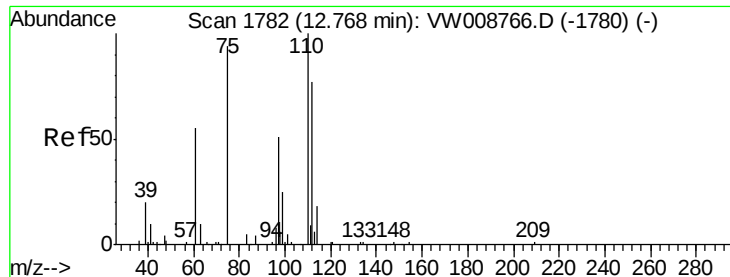
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008894.D
Acq: 28 Feb 2019 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.6	85.8
150	154.8	0.0	348.0



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: 62.056 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008894.D

Acq: 28 Feb 2019 18:16

Instrument :

MSVOA_W

ClientSampled :

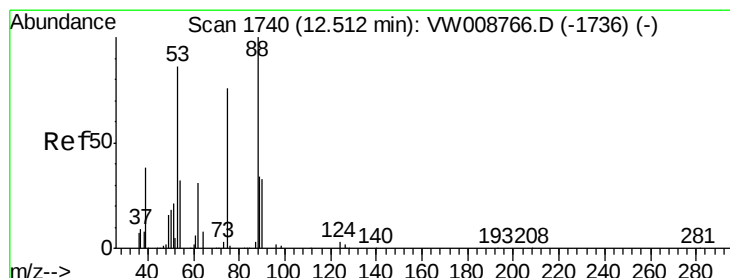
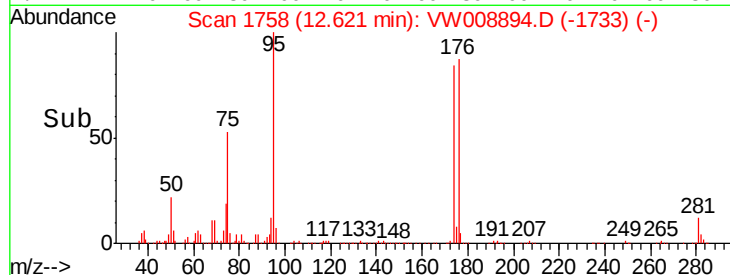
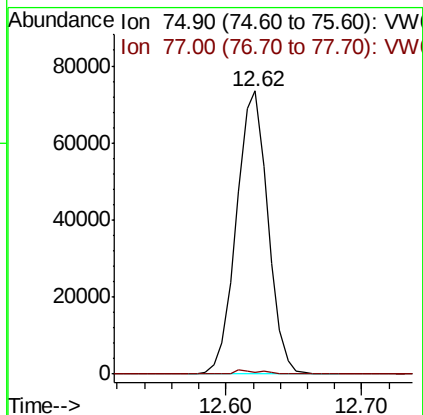
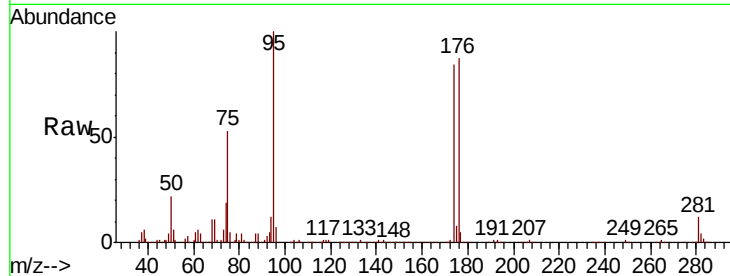
B-2(9-10)

Tot Ion: 75 Resp: 118250

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.864 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008894.D

Acq: 28 Feb 2019 18:16

Tgt Ion: 75 Resp: 118250

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.2 39.5 59.3#

