

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008842.D
 Acq On : 26 Feb 2019 20:24
 Operator : SY/VA
 Sample : K1594-38
 Misc : 7.79G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(7.5-8.5)

Quant Time: Feb 27 06:02:24 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	7.91	168	503978	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.82	114	835074	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.63	117	732428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	441615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.44	65	1949669	412.47	ug/l	0.13
Spiked Amount			Recovery	=	824.94%	
35) Dibromofluoromethane	7.93	113	121543	24.24	ug/l	0.04
Spiked Amount			Recovery	=	48.48%	
50) Toluene-d8	10.31	98	4288766	221.58	ug/l	-0.01
Spiked Amount			Recovery	=	443.16%	
62) 4-Bromofluorobenzene	12.60	95	1308401	172.65	ug/l	-0.02
Spiked Amount			Recovery	=	345.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	8052	1.310	ug/l #	87
11) Tert butyl alcohol	5.08	59	629	1.495	ug/l #	70
13) Acrolein	3.89	56	565	20.952	ug/l #	58
14) Allyl chloride	4.82	41	739543	97.106	ug/l #	42
15) Acrylonitrile	5.37	53	277290	248.038	ug/l #	40
18) Methyl Acetate	4.82	43	285573	109.888	ug/l #	51
20) Methylene Chloride	4.95	84	419	Below Cal	#	1
23) Vinyl Acetate	6.17	43	504536	53.750	ug/l #	87
25) 2-Butanone	7.33	43	733304	478.724	ug/l #	51
30) Chloroform	7.63	83	52402	5.802	ug/l	87
31) Cyclohexane	7.78	56	23127174	2595.269	ug/l #	40
36) 1,1-Dichloropropene	8.05	75	16946	2.085	ug/l #	1
37) Ethyl Acetate	7.33	43	733304	193.989	ug/l #	71
38) Carbon Tetrachloride	7.91	117	35577	4.150	ug/l #	15
39) Methylcyclohexane	9.30	83	21649778	2135.219	ug/l #	69
41) Methacrylonitrile	7.34	41	291833	131.339	ug/l #	49
42) 1,2-Dichloroethane	8.44	62	263203	37.436	ug/l #	1
45) 1,2-Dichloropropane	9.37	63	145459	26.521	ug/l #	1
46) Dibromomethane	9.38	93	99609	32.651	ug/l #	1
47) Bromodichloromethane	9.60	83	6552525	882.794	ug/l #	27
48) Methyl methacrylate	9.45	41	8160021	2258.311	ug/l #	40
49) 1,4-Dioxane	9.45	88	205	4.196	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	18931950	4942.699	ug/l	89
52) Toluene	10.32	92	20514	1.362	ug/l #	1
53) t-1,3-Dichloropropene	10.66	75	9090	1.202	ug/l #	1
54) cis-1,3-Dichloropropene	10.10	75	19042	2.207	ug/l #	1
55) 1,1,2-Trichloroethane	10.75	97	17792895	4300.637	ug/l #	34
56) Ethyl methacrylate	10.61	69	1497956	278.680	ug/l #	21
57) 1,3-Dichloropropane	10.93	76	8187	1.121	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.90	63	688978	254.854	ug/l #	45
59) 2-Hexanone	10.93	43	18031330	6613.215	ug/l #	33
60) Dibromochloromethane	11.04	129	114145	22.619	ug/l	99
61) 1,2-Dibromoethane	11.19	107	72645	17.739	ug/l #	1
65) Chlorobenzene	11.55	112	114384	7.427	ug/l #	43

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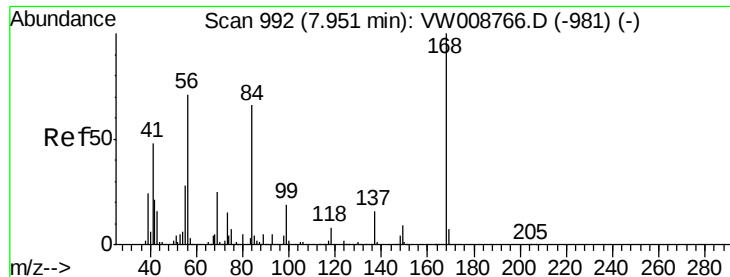
Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(7.5-8.5)

Quant Time: Feb 27 06:02:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	11.73	91	13058250	474.303	uq/l	99
68) m/p-Xylenes	11.84	106	3362932	305.715	uq/l	96
69) o-Xylene	12.16	106	100900	9.772	uq/l #	15
73) Isopropylbenzene	12.46	105	21747828	718.354	uq/l	96
74) N-amyl acetate	12.25	43	7625254	999.910	uq/l #	52
75) 1,1,2,2-Tetrachloroethane	12.70	83	289487	58.521	uq/l #	1
76) 1,2,3-Trichloropropane	12.81	75	738671	202.591	uq/l #	100
78) n-propylbenzene	12.90	91	7245689	195.656	uq/l #	1
79) 2-Chlorotoluene	12.90	91	7245689	344.612	uq/l #	41
80) 1,3,5-Trimethylbenzene	13.11	105	12919179	491.053	uq/l	73
81) trans-1,4-Dichloro-2-buten	12.46	75	281244	187.521	uq/l #	1
82) 4-Chlorotoluene	12.90	91	7245689	327.018	uq/l #	40
83) tert-Butylbenzene	13.26	119	10412740	457.732	uq/l #	66
84) 1,2,4-Trimethylbenzene	13.11	105	12919179	474.372	uq/l	78
85) sec-Butylbenzene	13.38	105	14184707	433.647	uq/l #	55
86) p-Isopropyltoluene	13.50	119	6236885	207.989	uq/l	99
89) n-Butylbenzene	13.81	91	2855303	101.638	uq/l #	1
90) Hexachloroethane	14.10	117	9234214	1881.100	uq/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	101664	113.612	uq/l #	3
95) Naphthalene	15.37	128	4981971	307.060	uq/l #	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.91 min Scan# 985

Delta R.T. -0.04 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

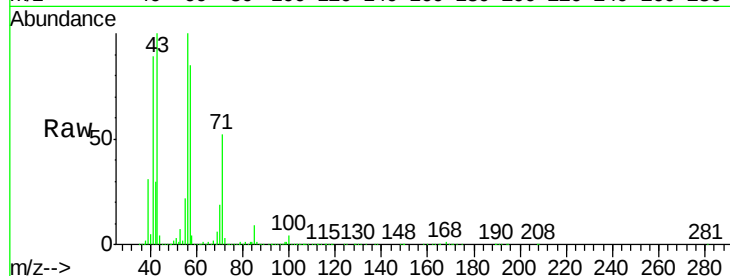
B-8(7.5-8.5)

Tot Ion:168 Resp: 503978

Ion Ratio Lower Upper

168 100

99 67.1 42.2 63.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.91

120000

100000

80000

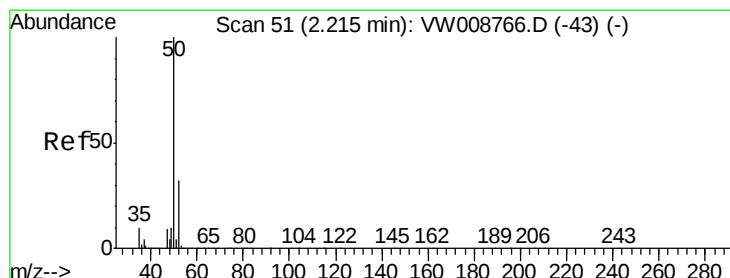
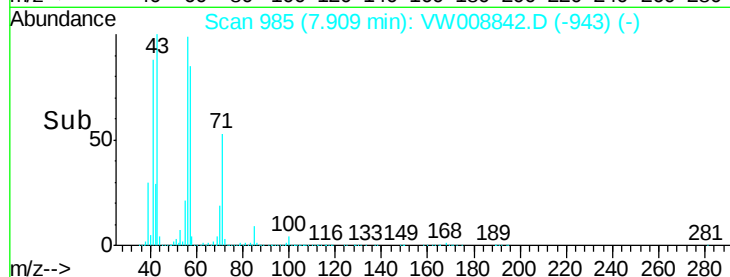
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.310 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008842.D

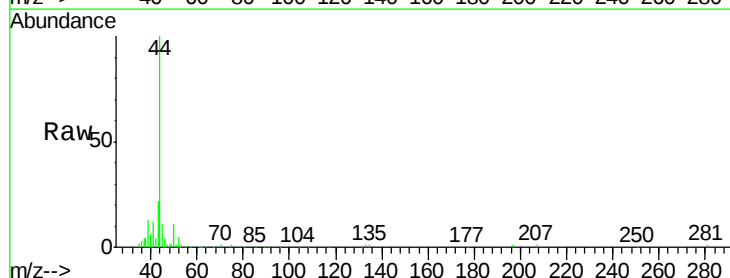
Acq: 26 Feb 2019 20:24

Tgt Ion: 50 Resp: 8052

Ion Ratio Lower Upper

50 100

52 39.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

2500

2000

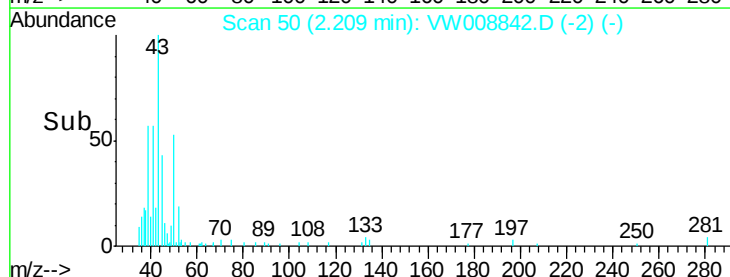
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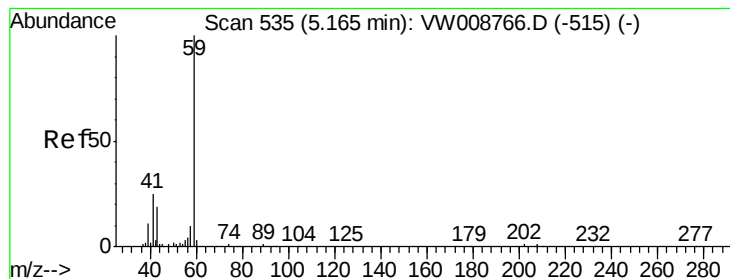
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500

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Time-->



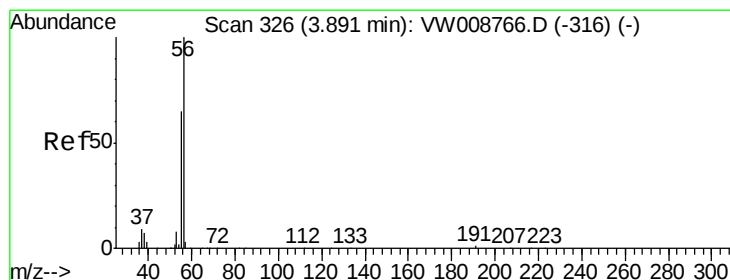
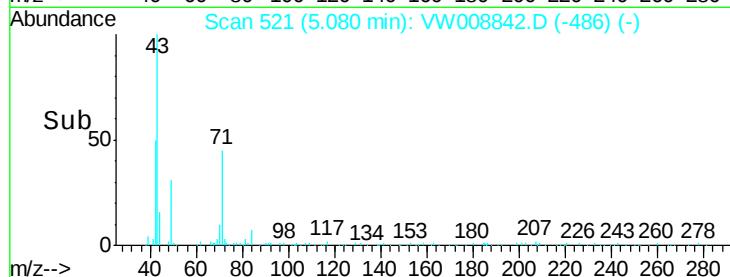
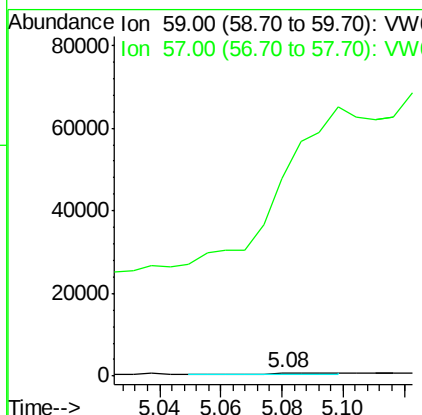
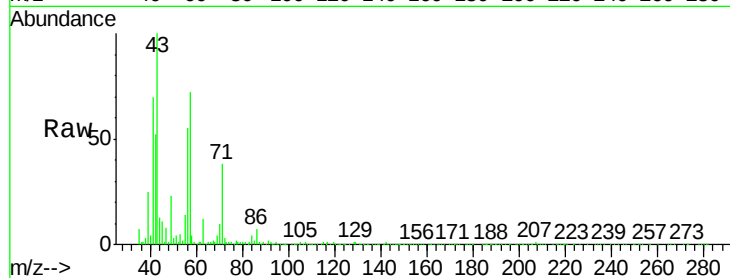


#11

Tert butvl alcohol
Concen: 1.495 ug/l
RT: 5.08 min Scan# 521
Delta R.T. -0.09 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)

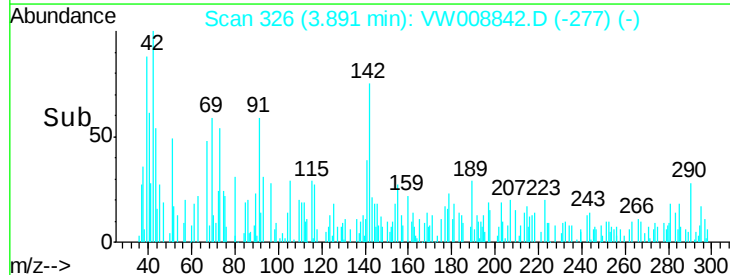
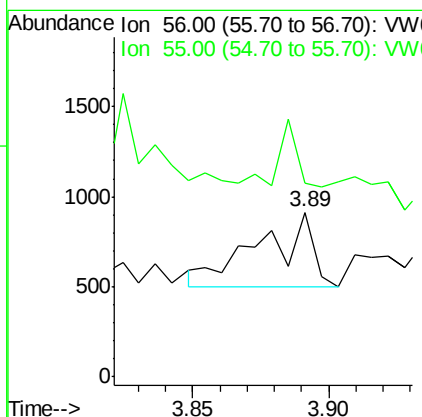
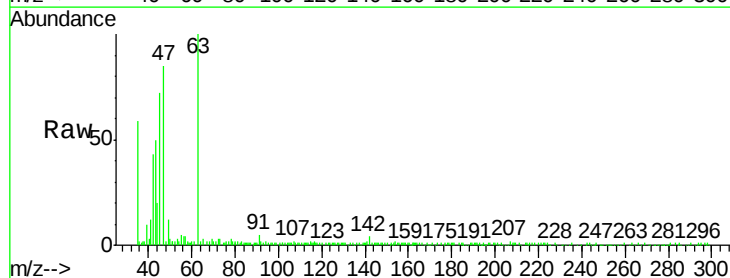
Tot Ion: 59 Resp: 629
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

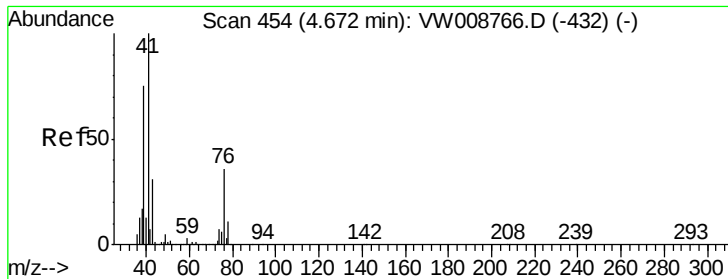


#13

Acrolein
Concen: 20.952 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion: 56 Resp: 565
Ion Ratio Lower Upper
56 100
55 36.3 56.9 85.3#





#14

Allvl chloride

Concen: 97.106 ug/l

RT: 4.82 min Scan# 478

Delta R.T. 0.15 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

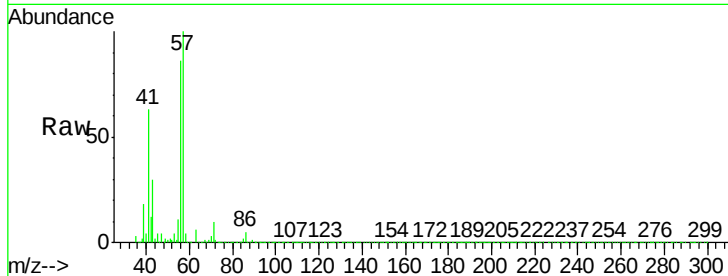
Tot Ion: 41 Resp: 739543

Ion Ratio Lower Upper

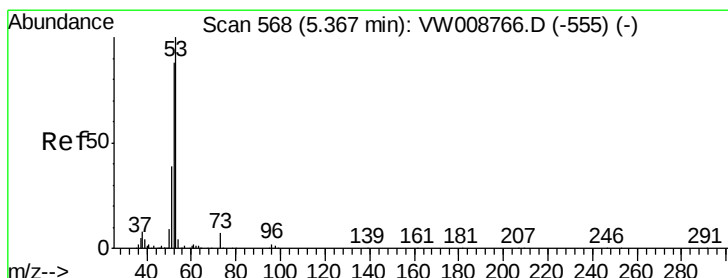
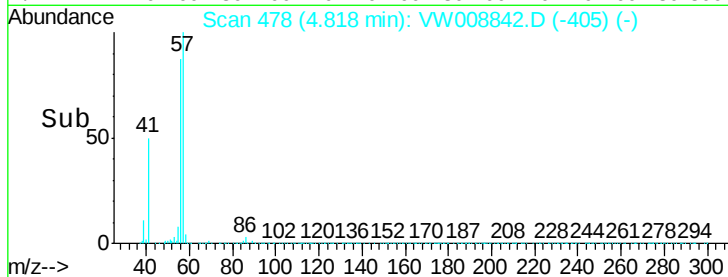
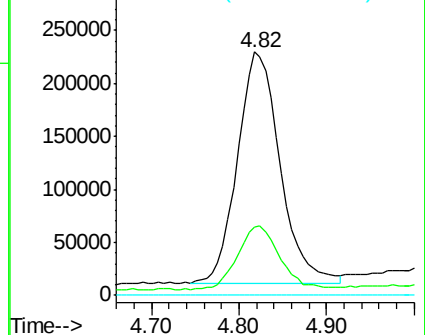
41 100

39 27.3 60.6 91.0#

76 0.1 28.6 42.8#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 248.038 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

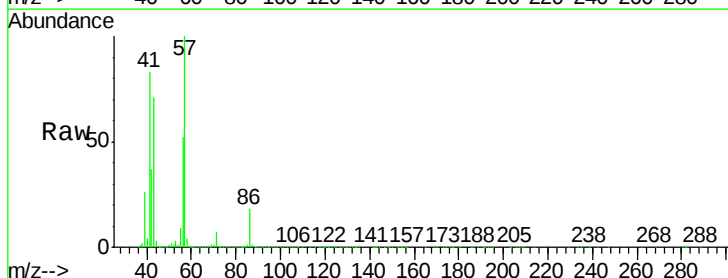
Tgt Ion: 53 Resp: 277290

Ion Ratio Lower Upper

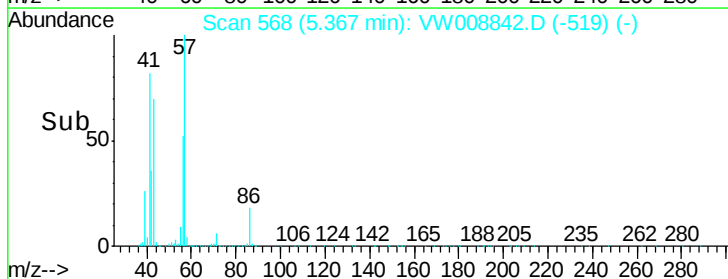
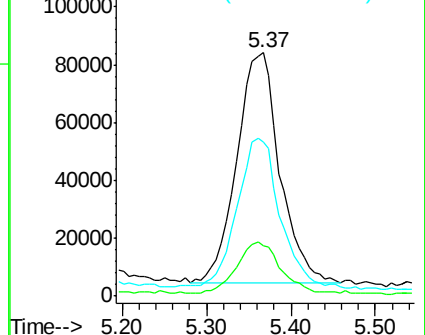
53 100

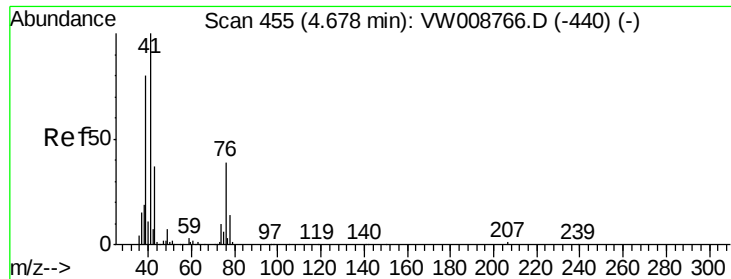
52 22.3 67.2 100.8#

51 65.4 31.1 46.7#



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW

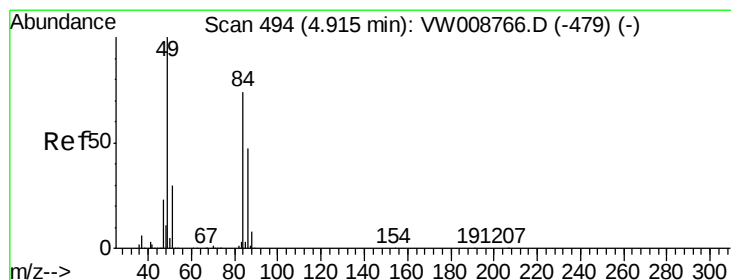
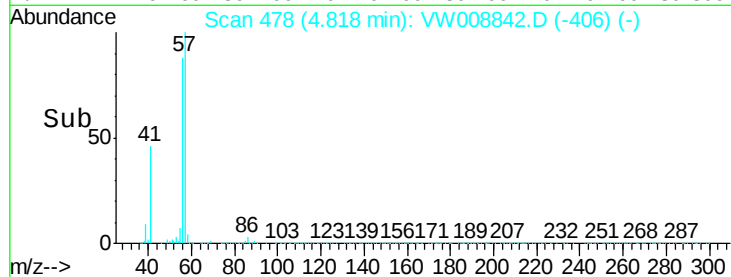
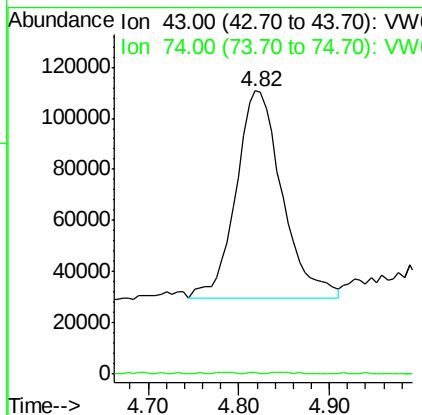
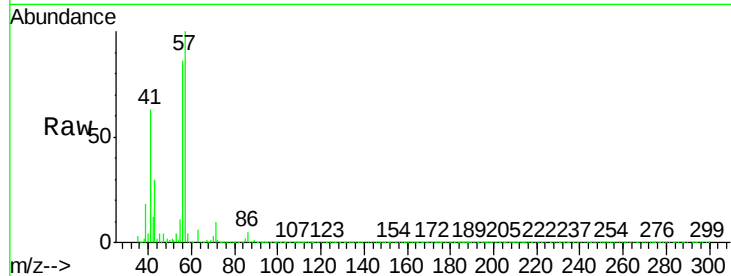




#18
Methyl Acetate
Concen: 109.888 ug/l
RT: 4.82 min Scan# 478
Delta R.T. 0.14 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

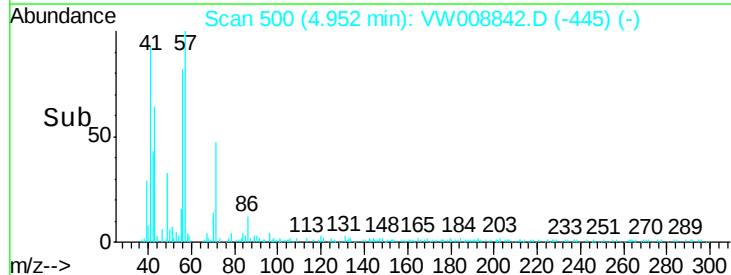
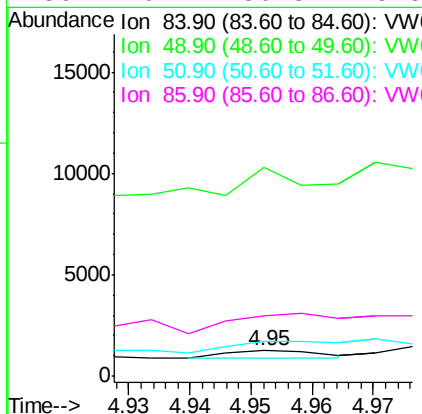
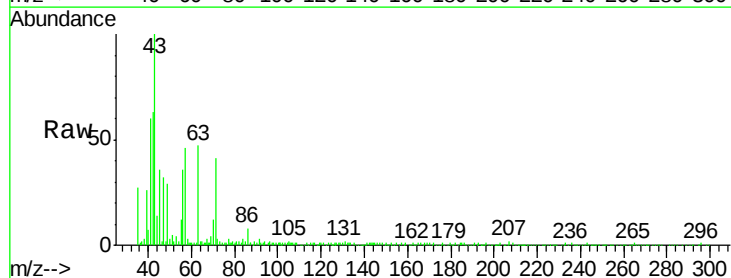
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)

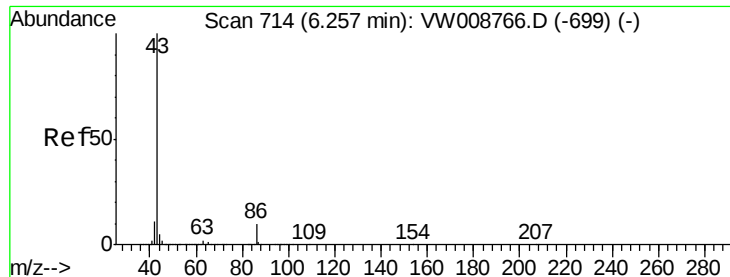
Tot Ion: 43 Resp: 285573
Ion Ratio Lower Upper
43 100
74 0.1 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 500
Delta R.T. 0.04 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion: 84 Resp: 419
Ion Ratio Lower Upper
84 100
49 279.4 108.2 162.2#
51 149.3 32.7 49.1#
86 240.1 50.3 75.5#





#23

Vinyl Acetate

Concen: 53.750 ug/l

RT: 6.17 min Scan# 700

Delta R.T. -0.09 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

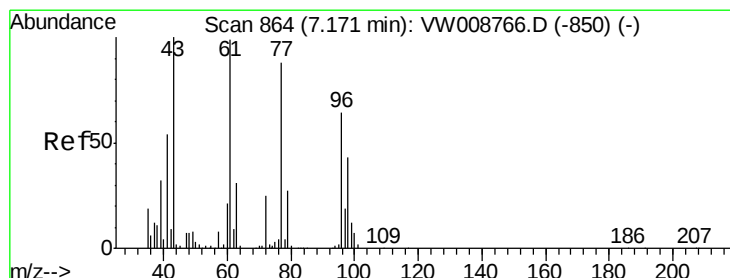
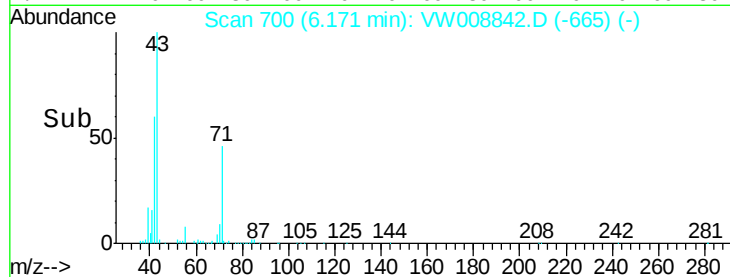
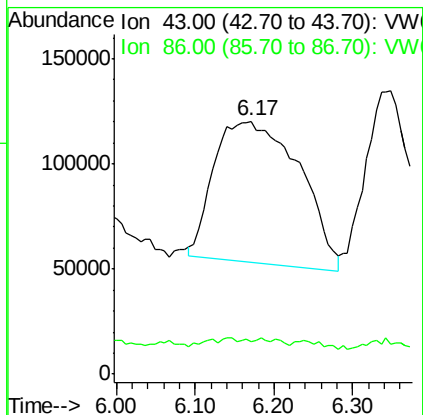
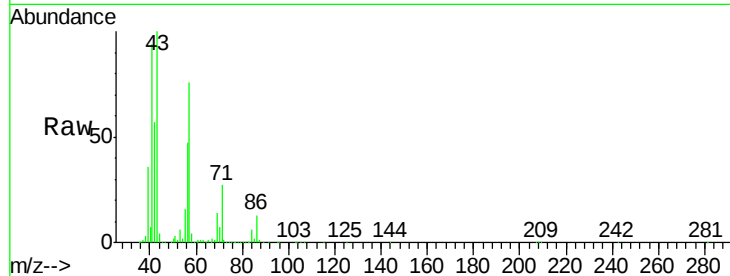
B-8(7.5-8.5)

Tot Ion: 43 Resp: 504536

Ion Ratio Lower Upper

43 100

86 5.4 8.1 12.1#



#25

2-Butanone

Concen: 478.724 ug/l

RT: 7.33 min Scan# 890

Delta R.T. 0.16 min

Lab File: VW008842.D

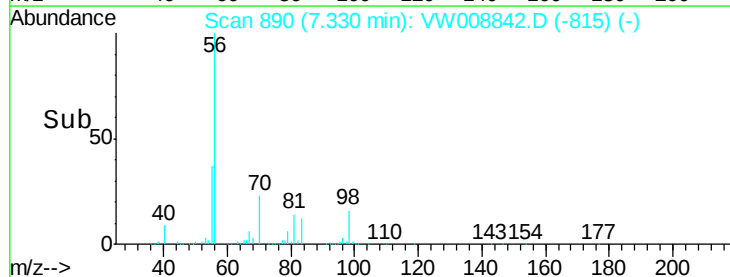
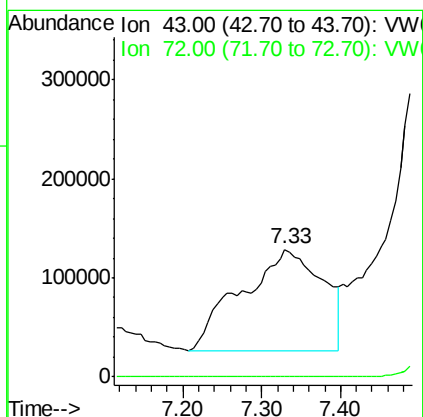
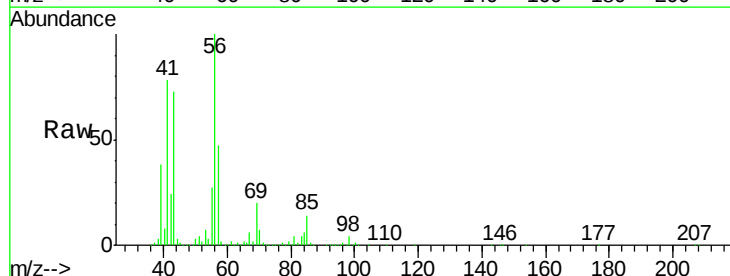
Acq: 26 Feb 2019 20:24

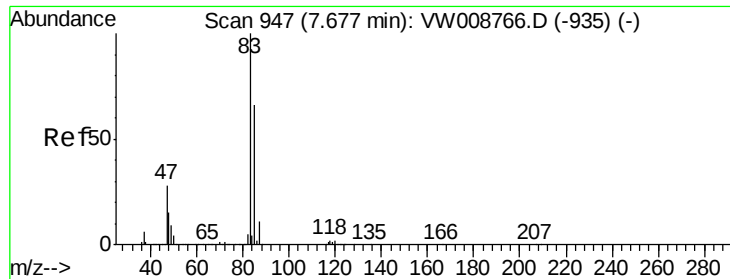
Tgt Ion: 43 Resp: 733304

Ion Ratio Lower Upper

43 100

72 0.1 19.7 29.5#

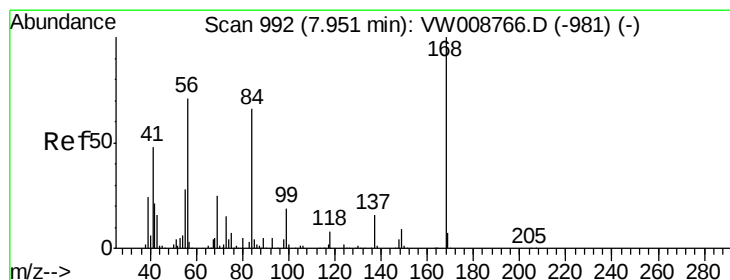
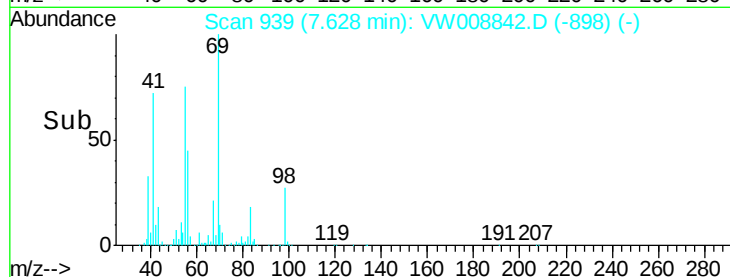
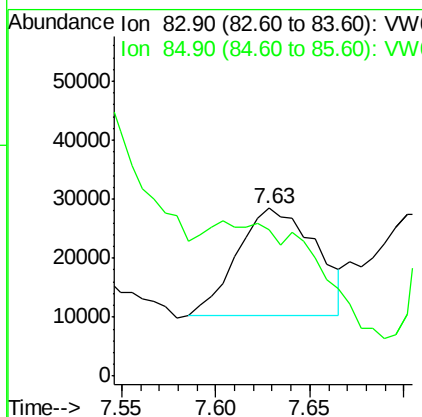
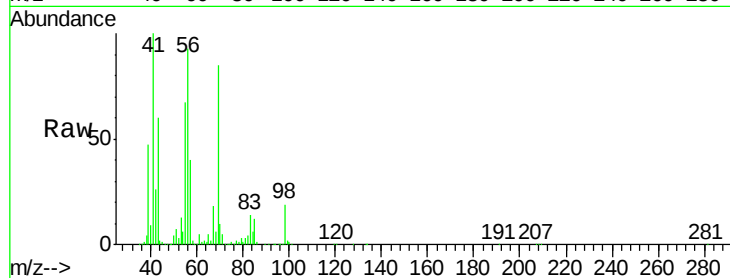




#30
Chloroform
Concen: 5.802 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

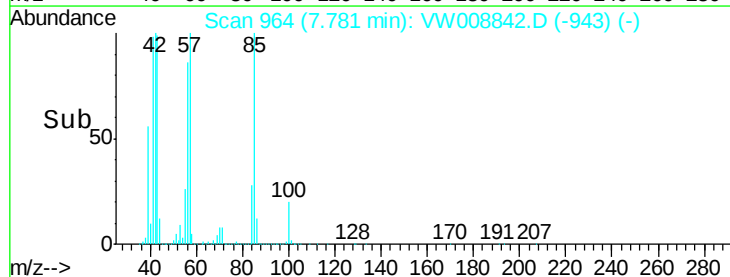
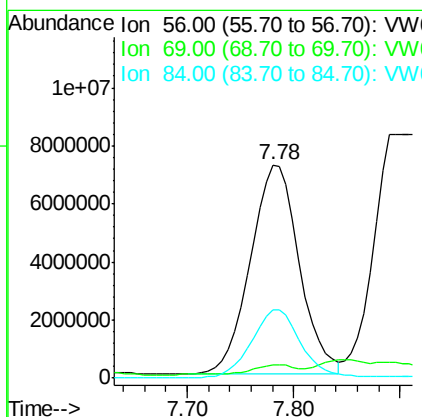
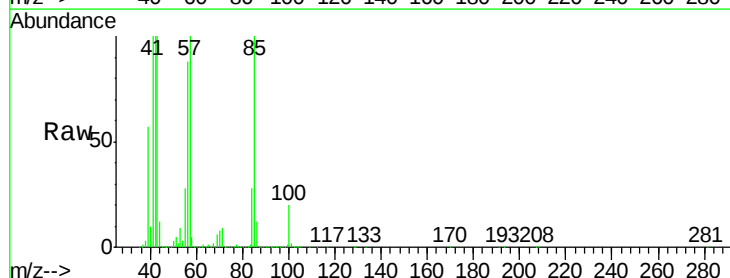
Instrument :
MSVOA_W
ClientSampled :
B-8(7.5-8.5)

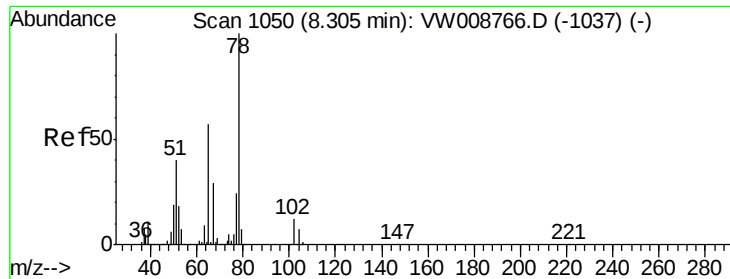
Tot Ion: 83 Resp: 52402
Ion Ratio Lower Upper
83 100
85 55.2 52.6 79.0



#31
Cyclohexane
Concen: 2595.269 ug/l
RT: 7.78 min Scan# 964
Delta R.T. -0.17 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion: 56 Resp: 23127174
Ion Ratio Lower Upper
56 100
69 4.7 28.2 42.4#
84 32.2 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 412.466 ug/l

RT: 8.44 min Scan# 1072

Delta R.T. 0.13 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

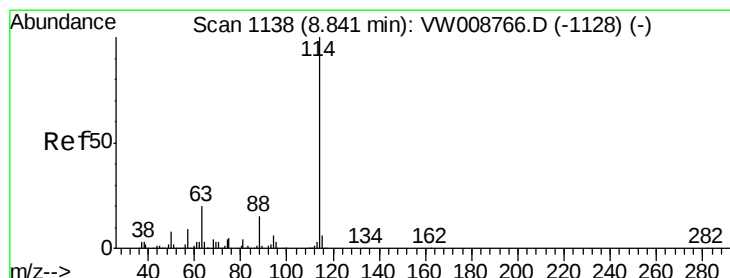
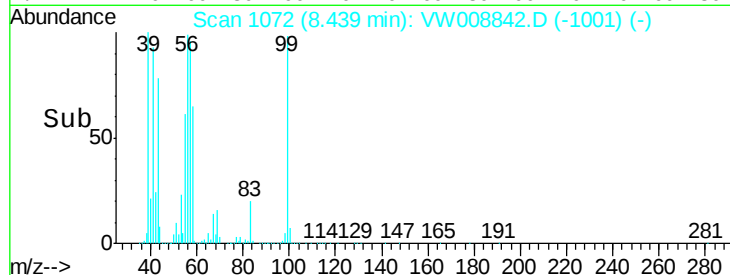
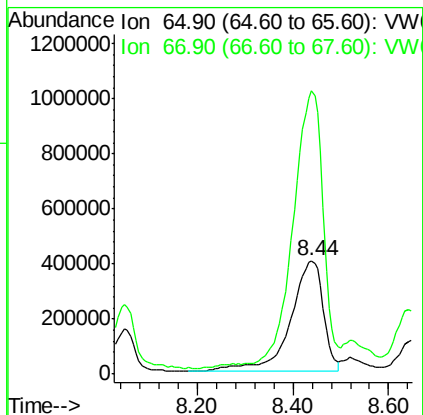
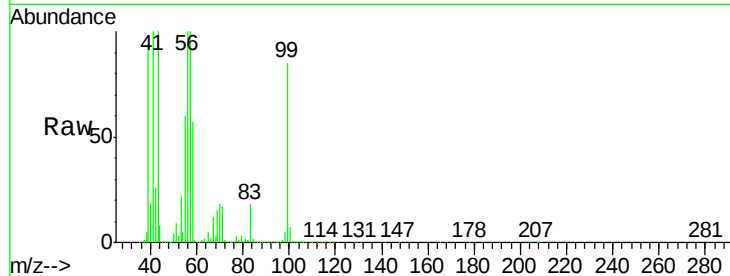
B-8(7.5-8.5)

Tot Ion: 65 Resp: 1949669

Ion Ratio Lower Upper

65 100

67 230.4 0.0 101.4#



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.82 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

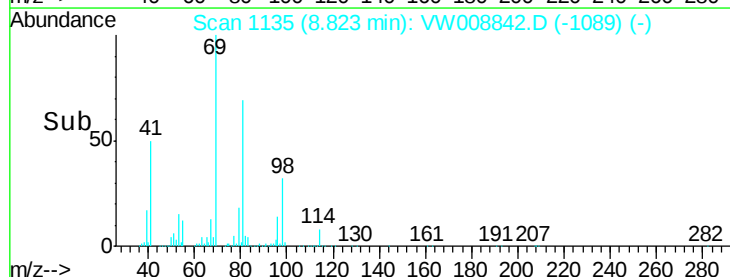
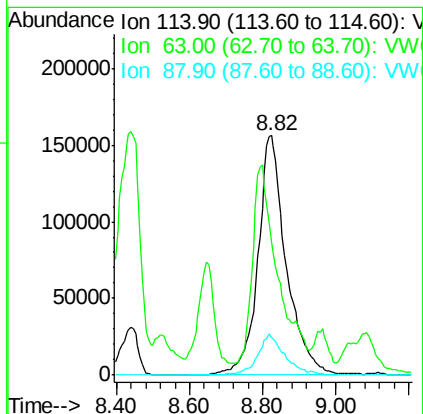
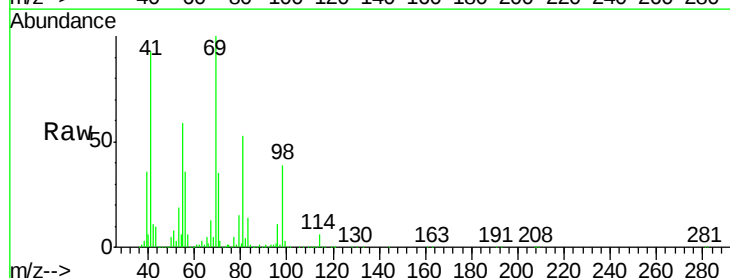
Tgt Ion: 114 Resp: 835074

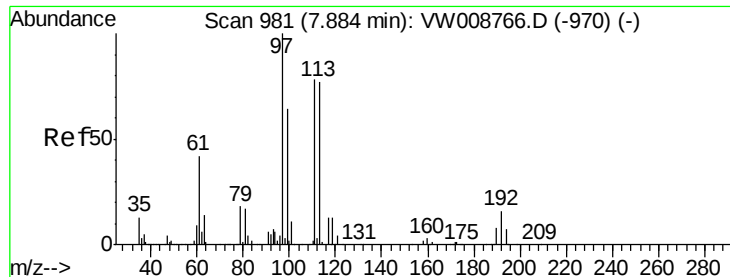
Ion Ratio Lower Upper

114 100

63 49.8 0.0 40.8#

88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 24.241 ug/l

RT: 7.93 min Scan# 988

Delta R.T. 0.04 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

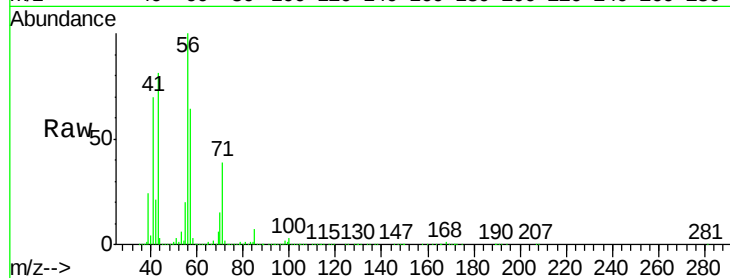
Tot Ion:113 Resp: 121543

Ion Ratio Lower Upper

113 100

111 97.6 81.9 122.9

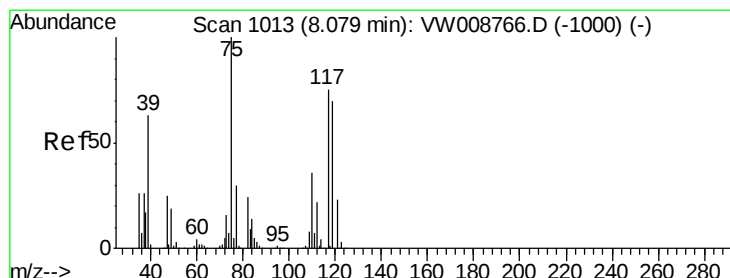
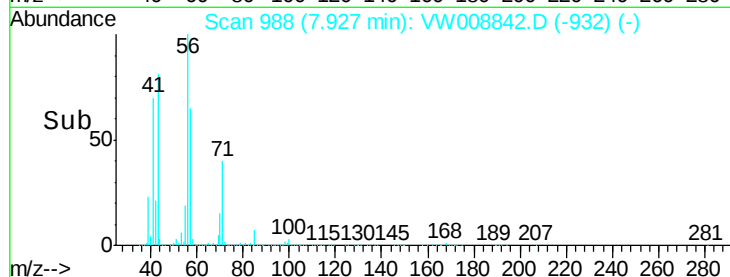
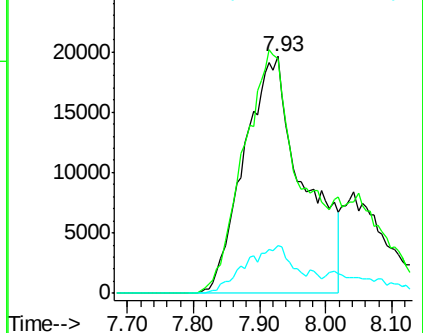
192 16.3 17.1 25.7#



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: 2.085 ug/l

RT: 8.05 min Scan# 1008

Delta R.T. -0.03 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

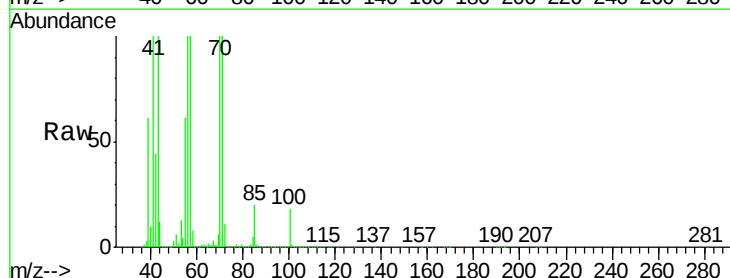
Tgt Ion: 75 Resp: 16946

Ion Ratio Lower Upper

75 100

110 4.3 17.5 52.6#

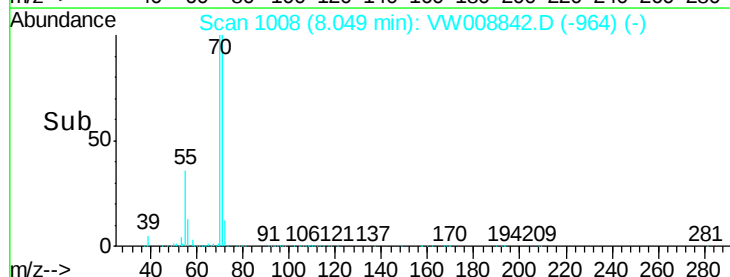
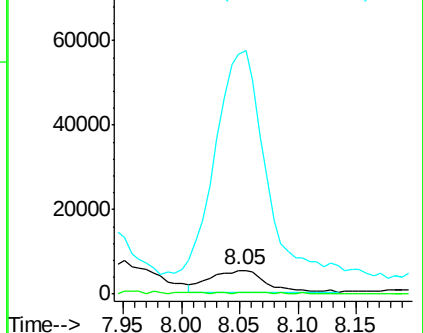
77 976.0 24.5 36.7#

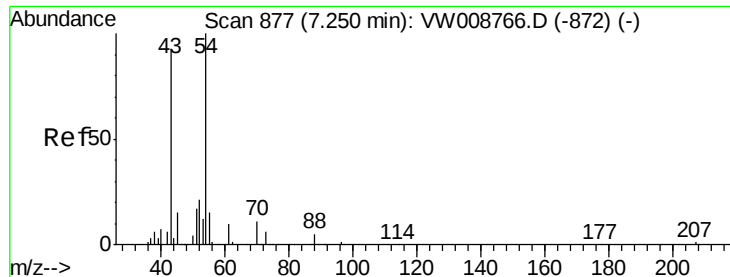


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 193.989 ug/l

RT: 7.33 min Scan# 890

Delta R.T. 0.08 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

B-8(7.5-8.5)

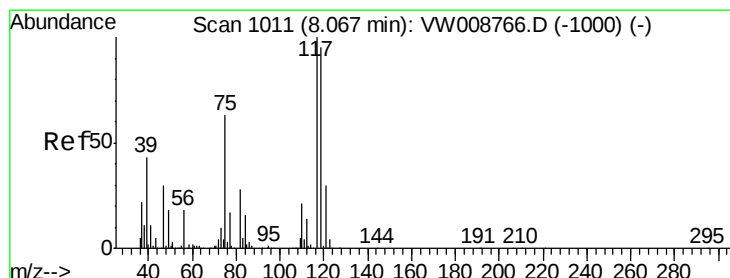
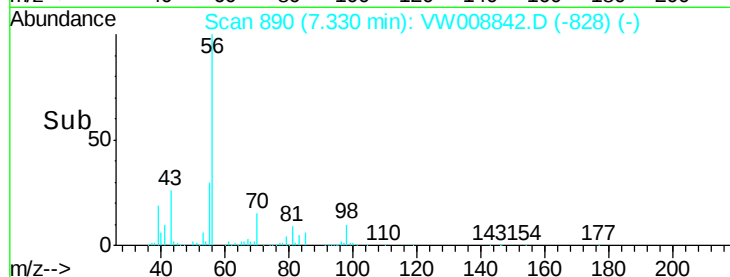
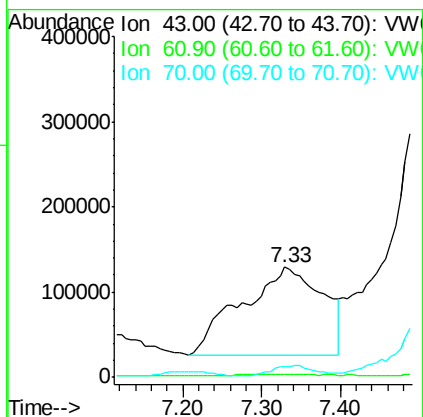
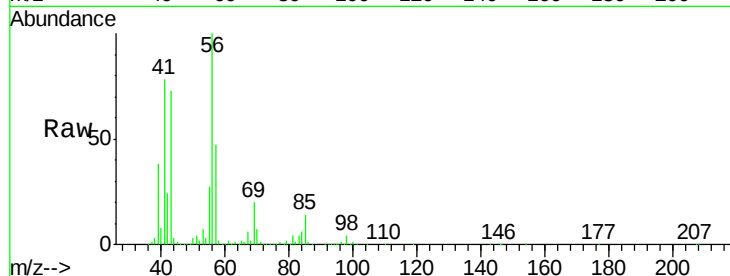
Tot Ion: 43 Resp: 733304

Ion Ratio Lower Upper

43 100

61 0.9 9.8 14.8#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 4.150 ug/l

RT: 7.91 min Scan# 985

Delta R.T. -0.16 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

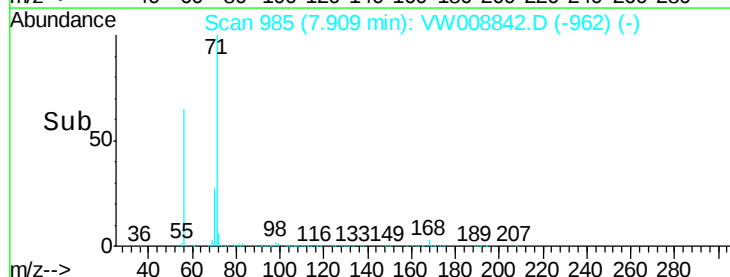
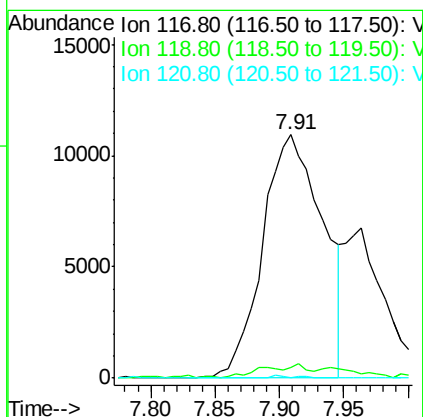
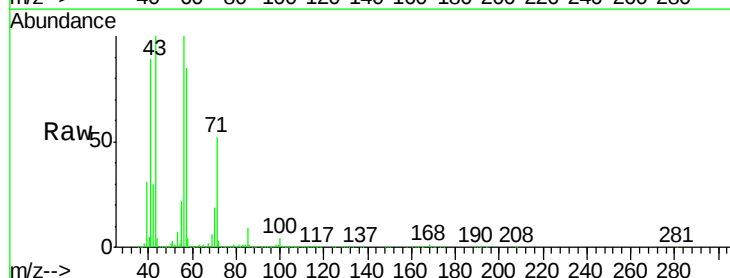
Tgt Ion: 117 Resp: 35577

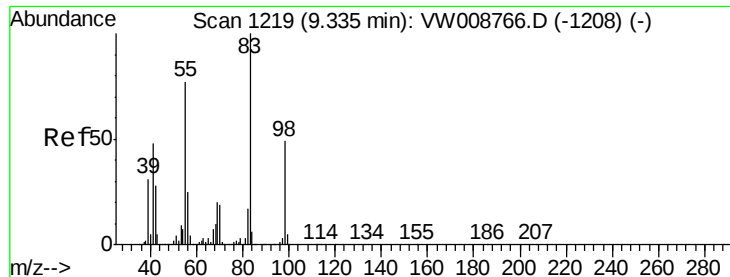
Ion Ratio Lower Upper

117 100

119 3.2 76.1 114.1#

121 0.0 24.0 36.0#

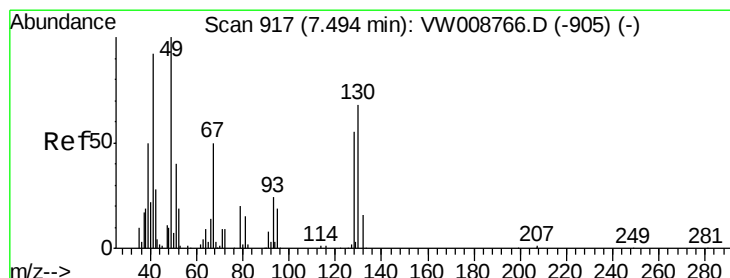
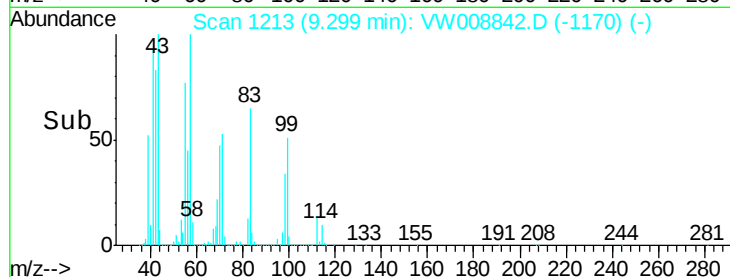
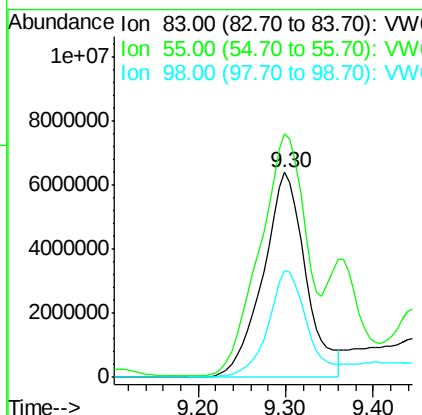
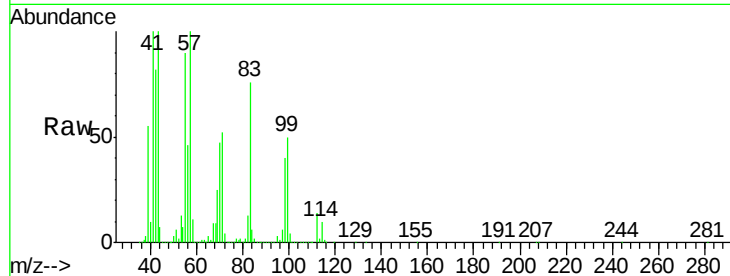




#39
Methylcyclohexane
Concen: 2135.219 ug/l
RT: 9.30 min Scan# 1213
Delta R.T. -0.04 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

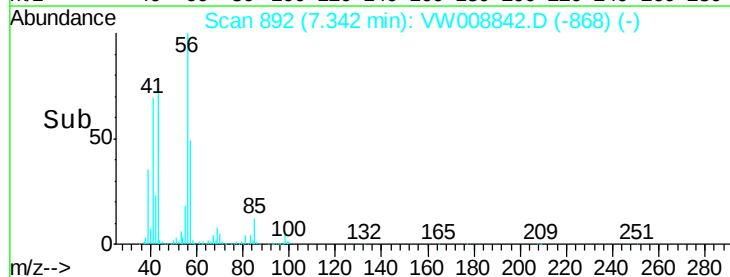
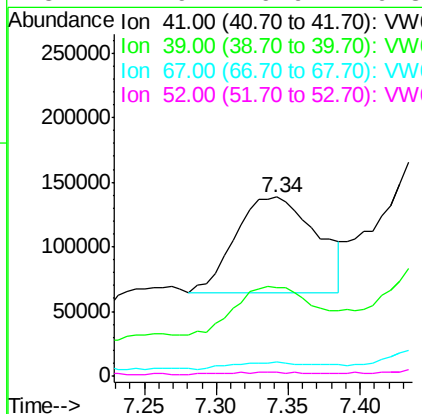
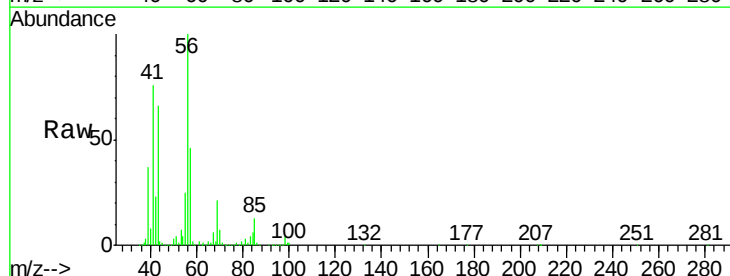
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)

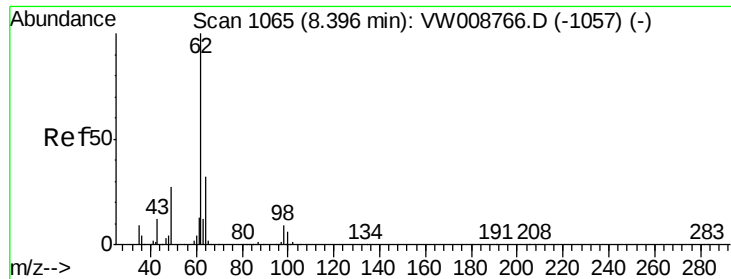
Tot Ion: 83 Resp: 21649778
Ion Ratio Lower Upper
83 100
55 118.3 61.2 91.8#
98 52.2 39.4 59.2



#41
Methacrylonitrile
Concen: 131.339 ug/l
RT: 7.34 min Scan# 892
Delta R.T. -0.15 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion: 41 Resp: 291833
Ion Ratio Lower Upper
41 100
39 50.1 52.5 78.7#
67 5.7 55.0 82.6#
52 1.9 26.9 40.3#





#42

1,2-Dichloroethane

Concen: 37.436 ug/l

RT: 8.44 min Scan# 1072

Delta R.T. 0.04 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

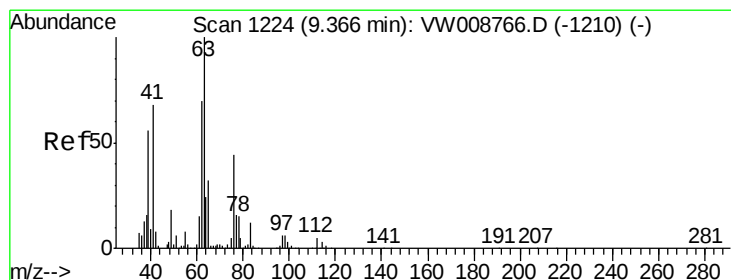
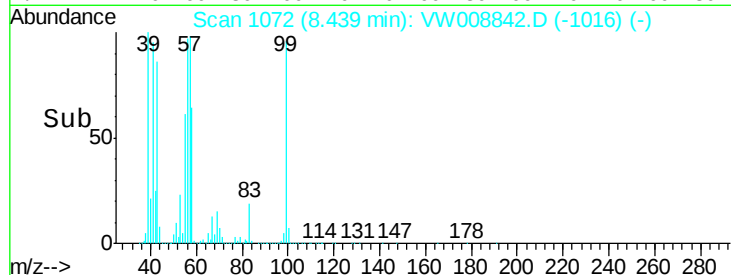
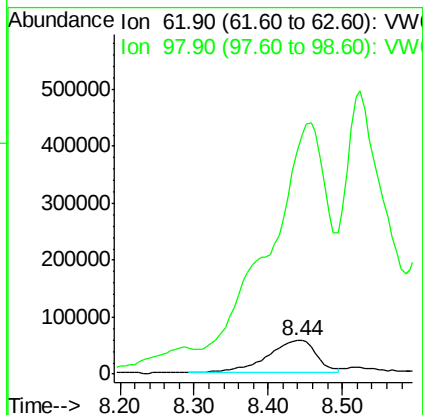
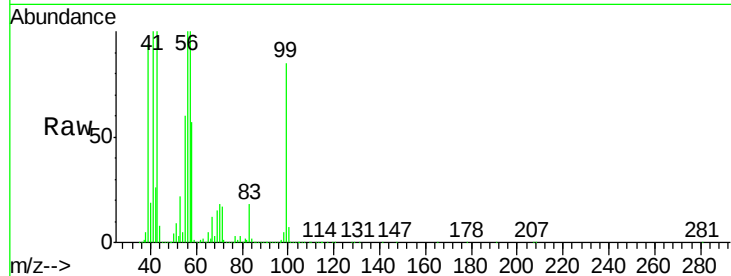
B-8(7.5-8.5)

Tot Ion: 62 Resp: 263203

Ion Ratio Lower Upper

62 100

98 803.6 0.0 18.2#



#45

1,2-Dichloropropane

Concen: 26.521 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008842.D

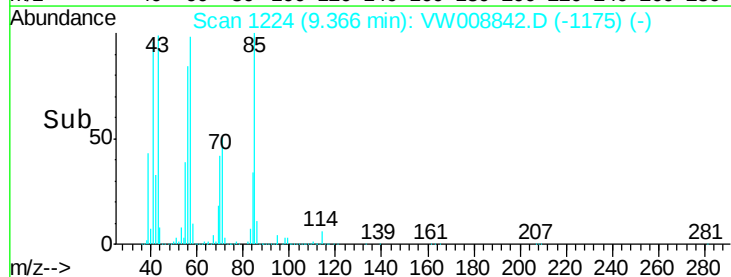
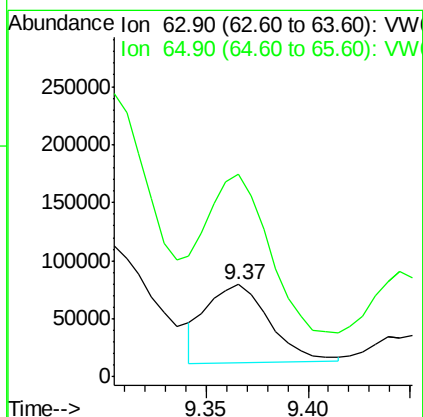
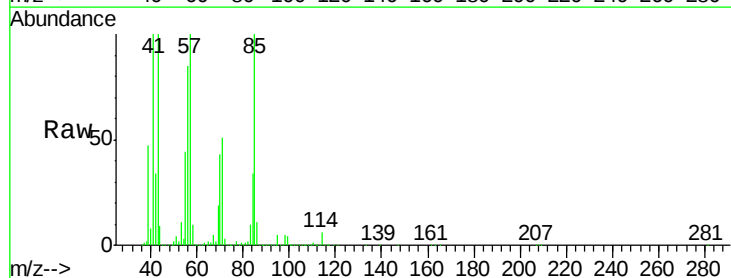
Acq: 26 Feb 2019 20:24

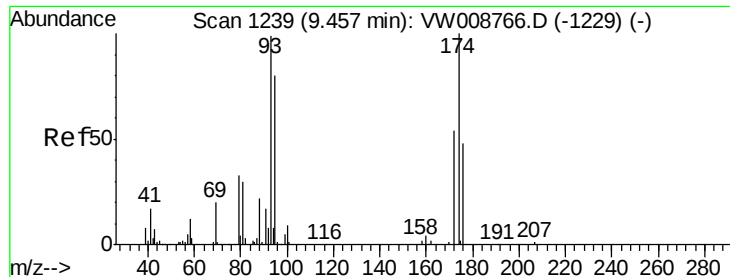
Tgt Ion: 63 Resp: 145459

Ion Ratio Lower Upper

63 100

65 217.3 25.5 38.3#





#46

Dibromomethane

Concen: 32.651 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.07 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

B-8(7.5-8.5)

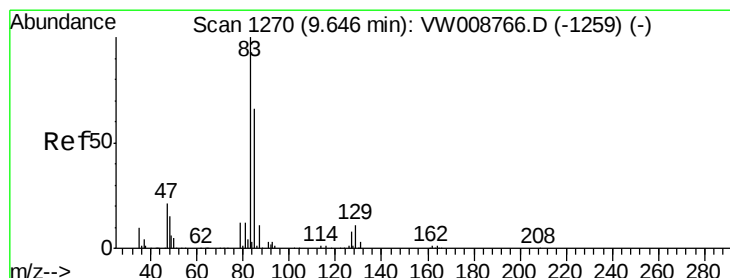
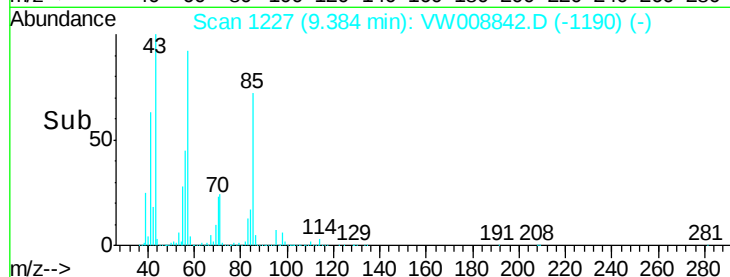
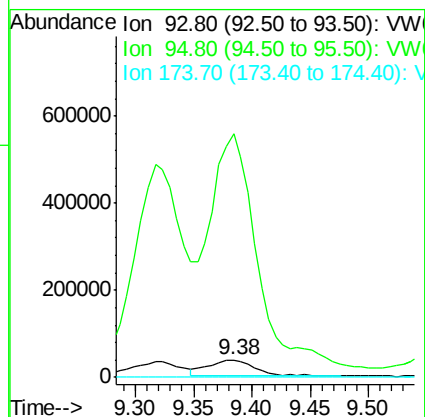
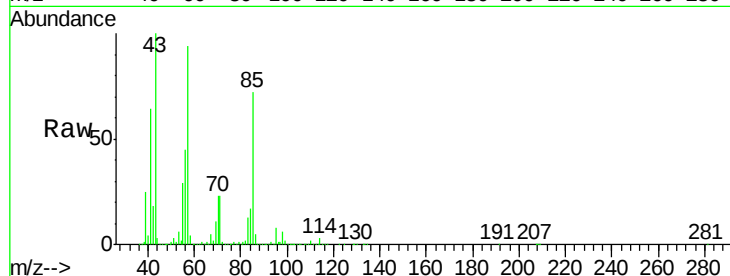
Tot Ion: 93 Resp: 99609

Ion Ratio Lower Upper

93 100

95 1582.4 67.7 101.5#

174 0.0 86.7 130.1#



#47

Bromodichloromethane

Concen: 882.794 ug/l

RT: 9.60 min Scan# 1262

Delta R.T. -0.05 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

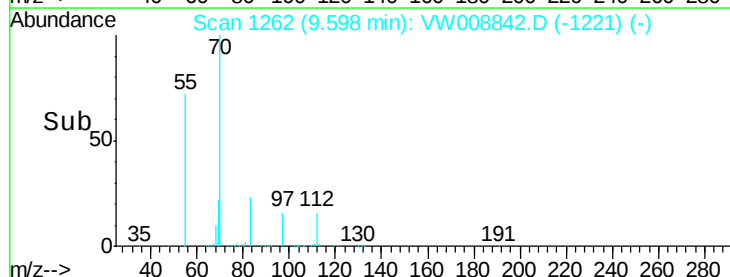
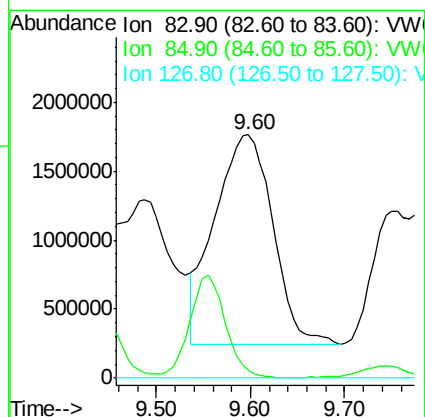
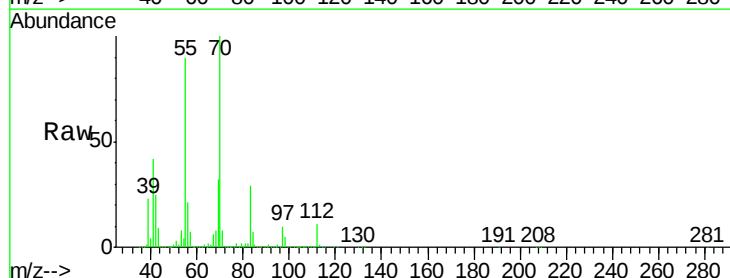
Tgt Ion: 83 Resp: 6552525

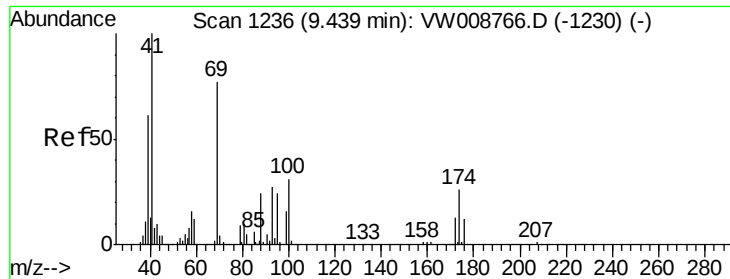
Ion Ratio Lower Upper

83 100

85 2.9 52.5 78.7#

127 0.0 6.7 10.1#

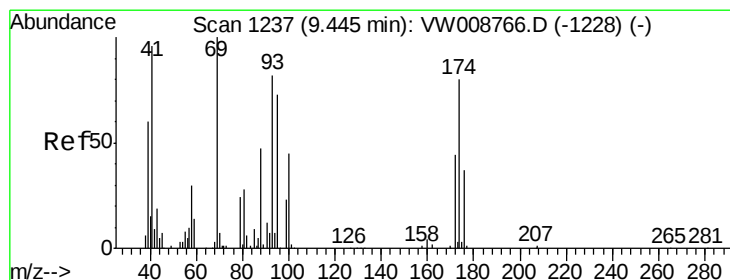
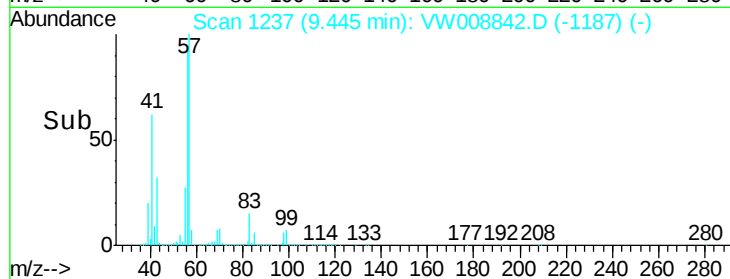
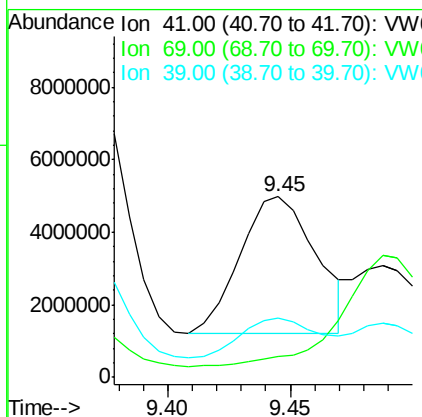
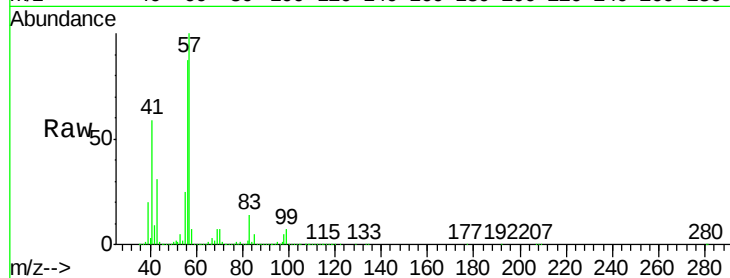




#48
Methvl methacrilate
Concen: 2258.311 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

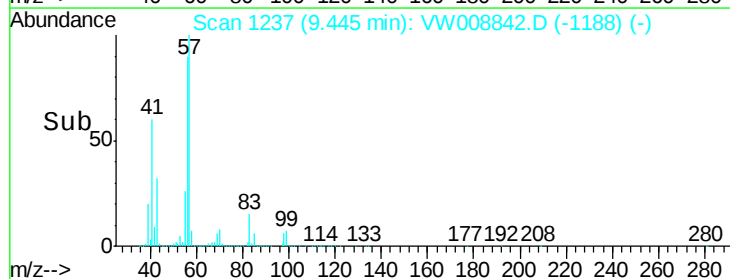
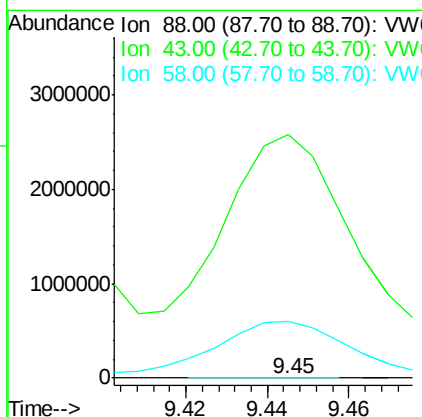
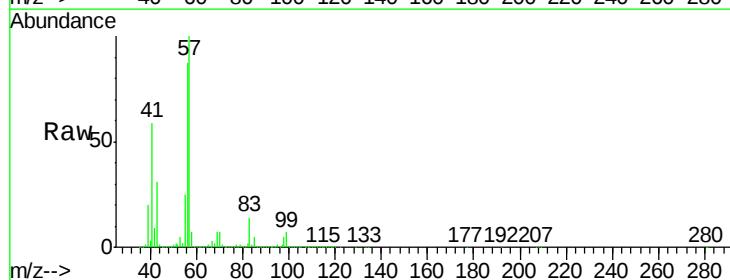
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)

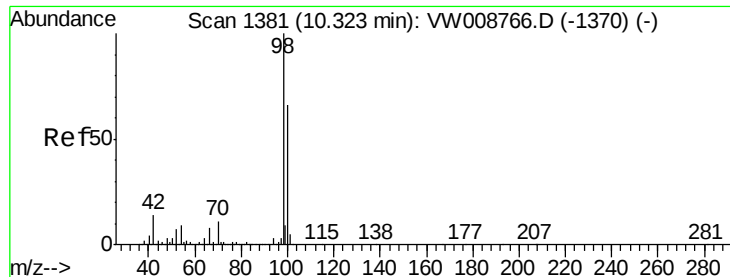
Tot Ion: 41 Resp: 8160021
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 47.3 52.1 78.1#



#49
1,4-Dioxane
Concen: 4.196 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 2567115.6 29.0 43.4#
58 705396.1 52.0 78.0#





#50

Toluene-d8

Concen: 221.584 ug/l

RT: 10.31 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

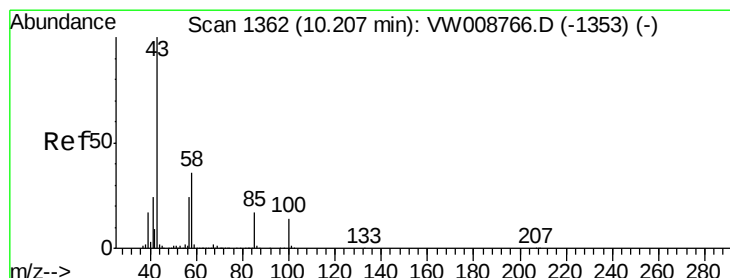
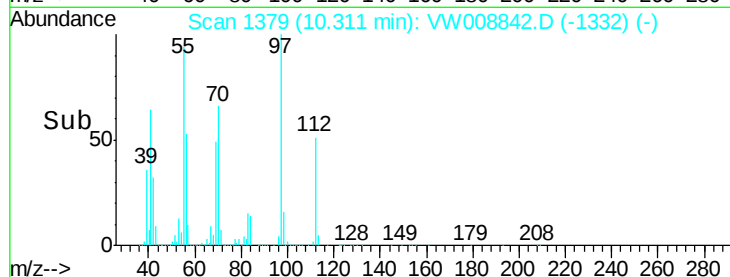
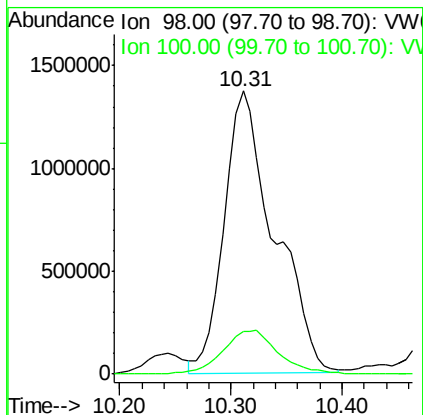
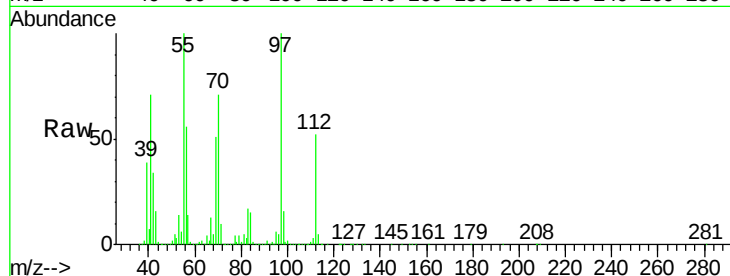
B-8(7.5-8.5)

Tot Ion: 98 Resp: 4288766

Ion Ratio Lower Upper

98 100

100 17.5 52.4 78.6#



#51

4-Methyl-2-Pentanone

Concen: 4942.699 ug/l

RT: 10.24 min Scan# 1367

Delta R.T. 0.03 min

Lab File: VW008842.D

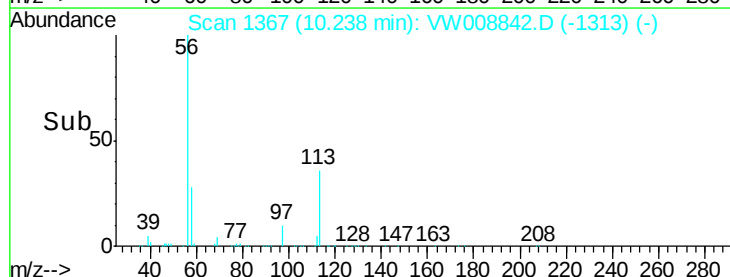
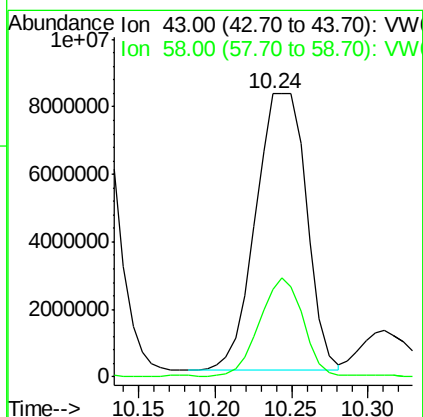
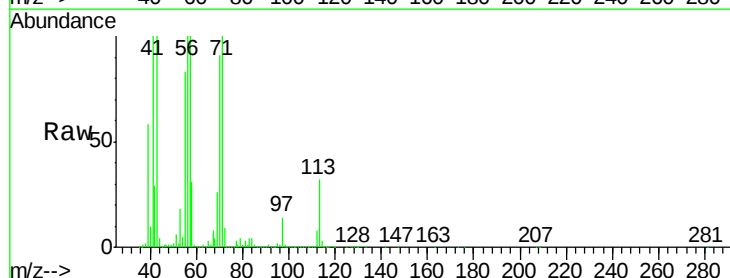
Acq: 26 Feb 2019 20:24

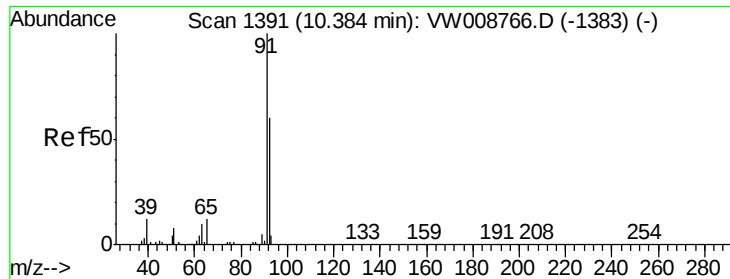
Tgt Ion: 43 Resp: 18931950

Ion Ratio Lower Upper

43 100

58 30.0 29.1 43.7





#52

Toluene

Concen: 1.362 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.07 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

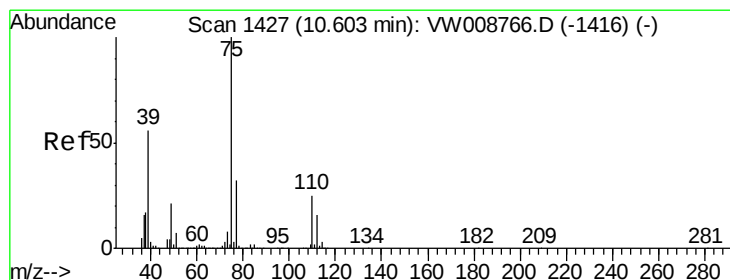
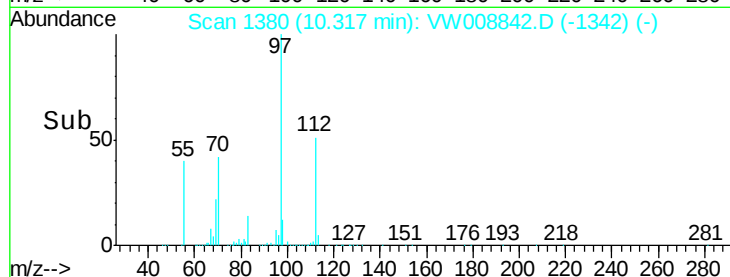
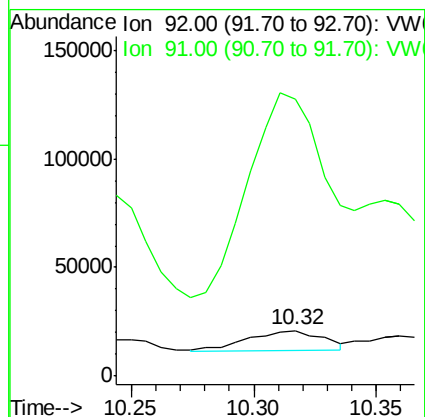
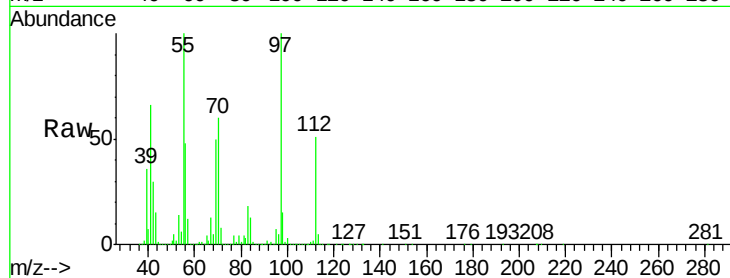
B-8(7.5-8.5)

Tot Ion: 92 Resp: 20514

Ion Ratio Lower Upper

92 100

91 1058.3 136.9 205.3#



#53

t-1,3-Dichloropropene

Concen: 1.202 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.05 min

Lab File: VW008842.D

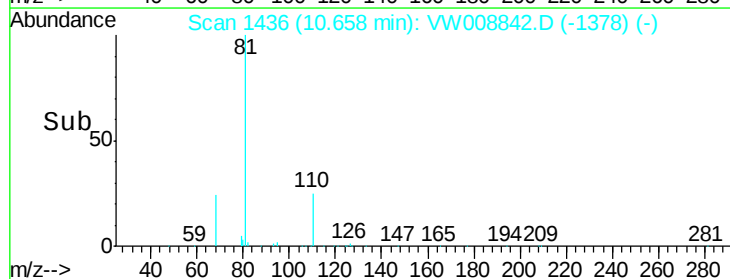
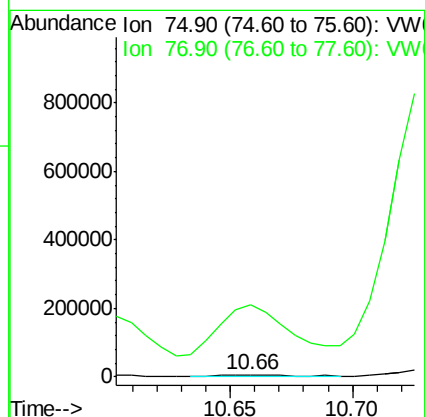
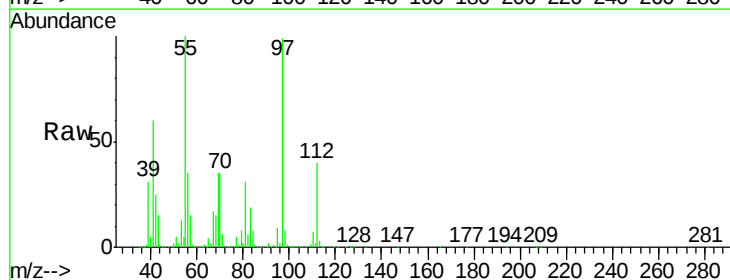
Acq: 26 Feb 2019 20:24

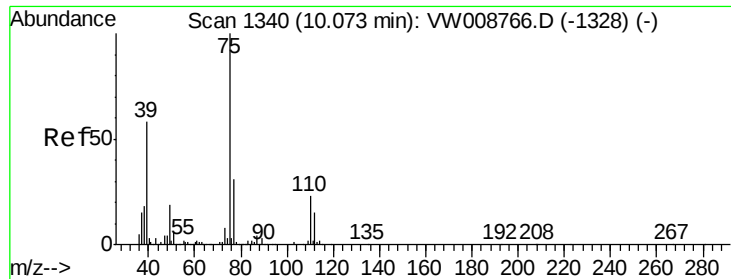
Tgt Ion: 75 Resp: 9090

Ion Ratio Lower Upper

75 100

77 3619.5 26.1 39.1#





#54

cis-1,3-Dichloropropene

Concen: 2.207 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. 0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

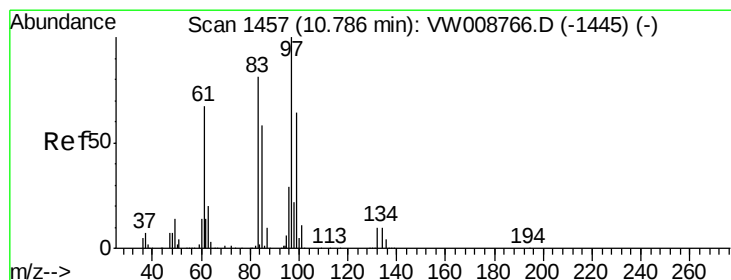
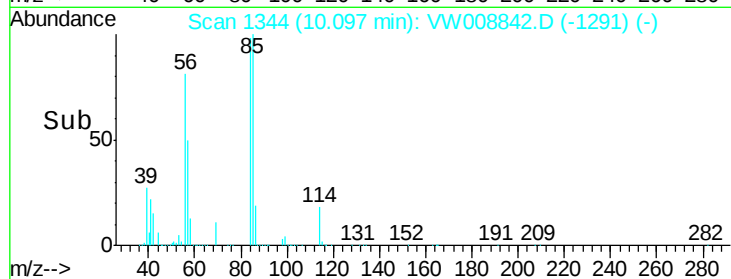
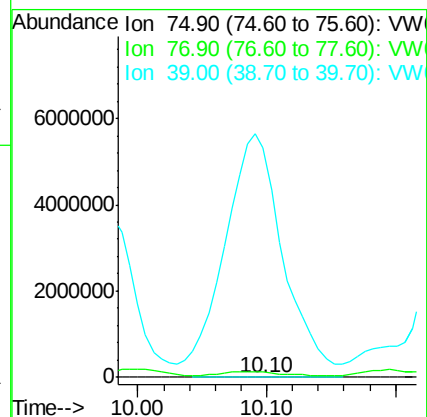
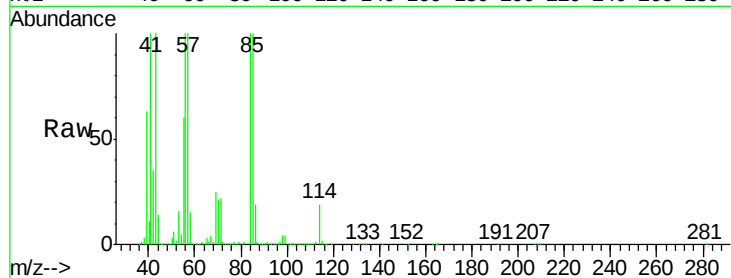
Tot Ion: 75 Resp: 19042

Ion Ratio Lower Upper

75 100

77 1211.4 25.0 37.4#

39 76429.7 46.6 70.0#



#55

1,1,2-Trichloroethane

Concen: 4300.637 ug/l

RT: 10.75 min Scan# 1451

Delta R.T. -0.04 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Tgt Ion: 97 Resp: 17792895

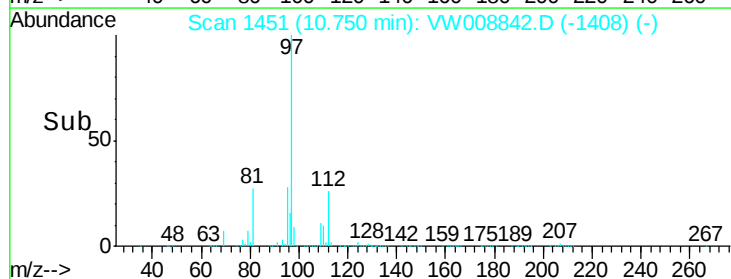
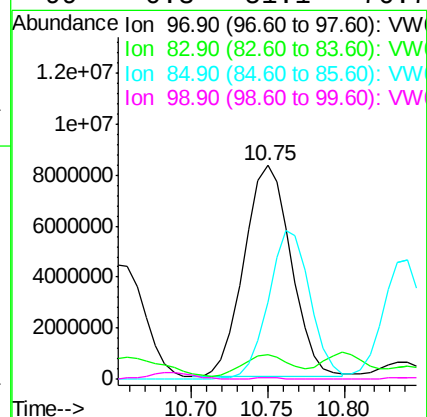
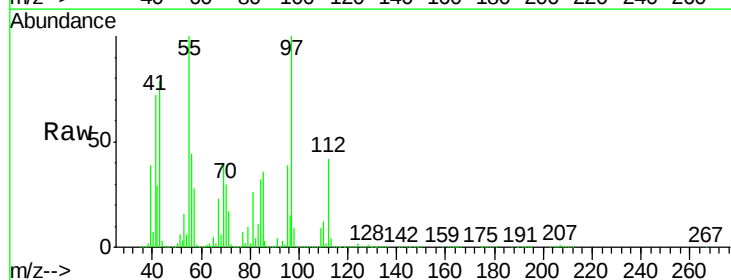
Ion Ratio Lower Upper

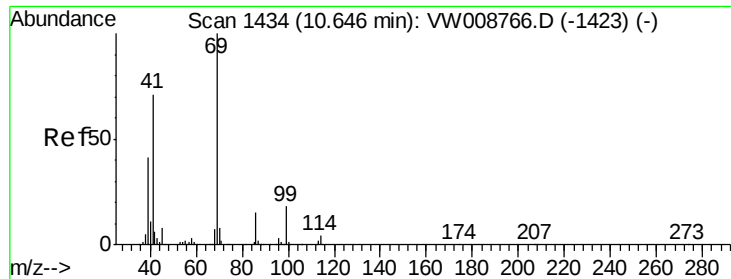
97 100

83 9.1 65.0 97.6#

85 36.5 46.0 69.0#

99 0.3 51.1 76.7#





#56

Ethyl methacrylate

Concen: 278.680 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.04 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

B-8(7.5-8.5)

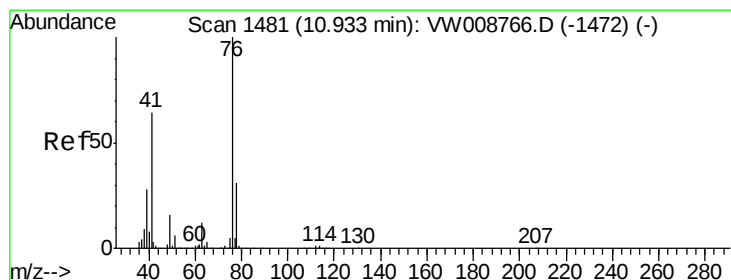
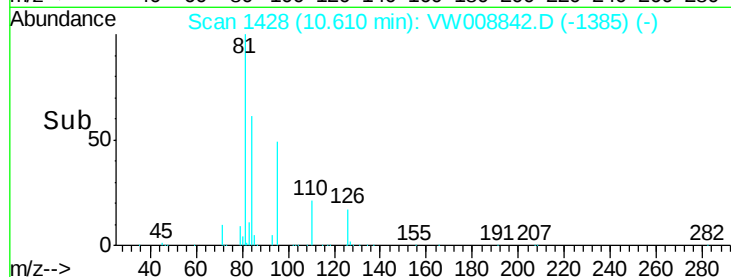
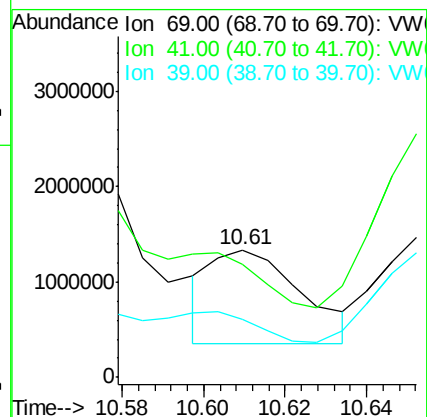
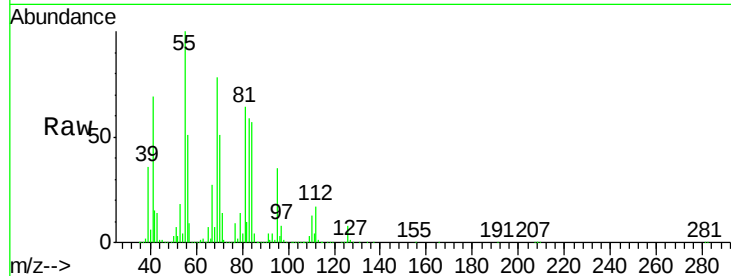
Tot Ion: 69 Resp: 1497956

Ion Ratio Lower Upper

69 100

41 0.0 57.4 86.0#

39 0.0 34.8 52.2#



#57

1,3-Dichloropropane

Concen: 1.121 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW008842.D

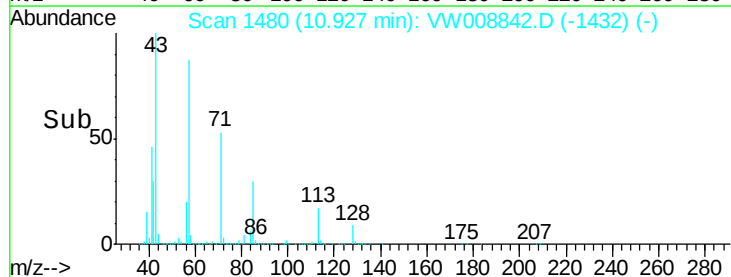
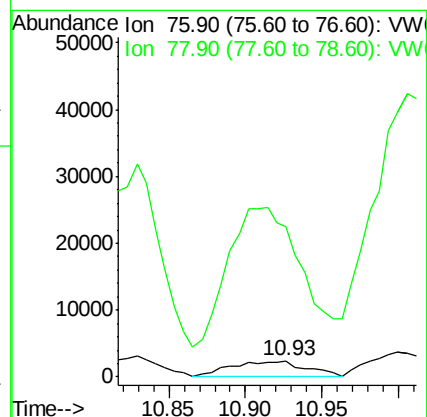
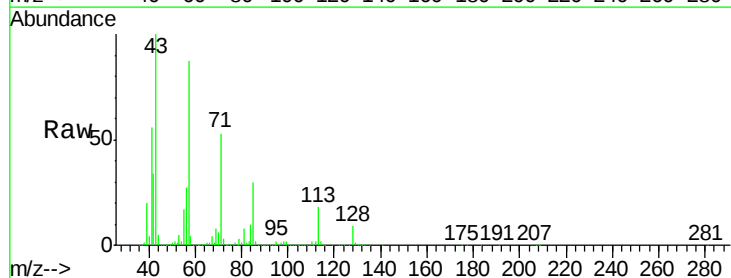
Acq: 26 Feb 2019 20:24

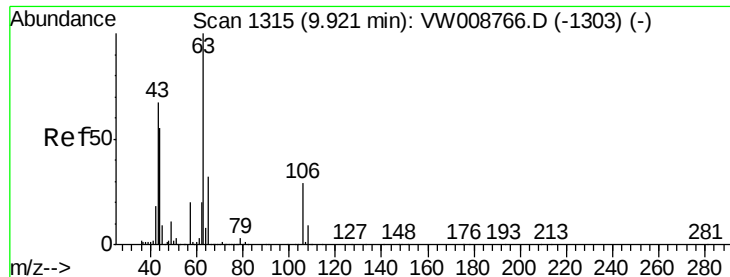
Tgt Ion: 76 Resp: 8187

Ion Ratio Lower Upper

76 100

78 830.7 25.8 38.8#

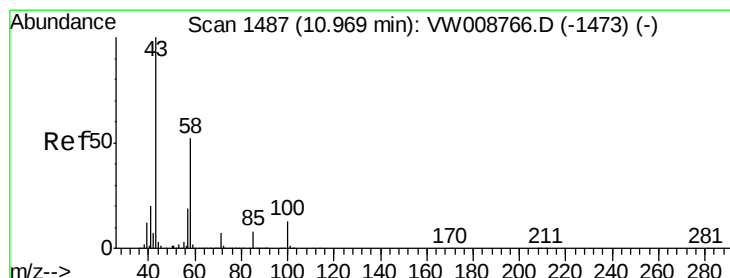
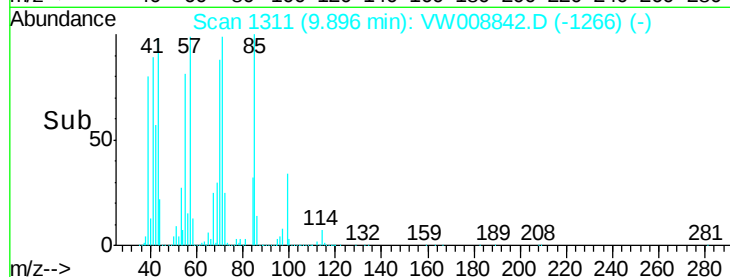
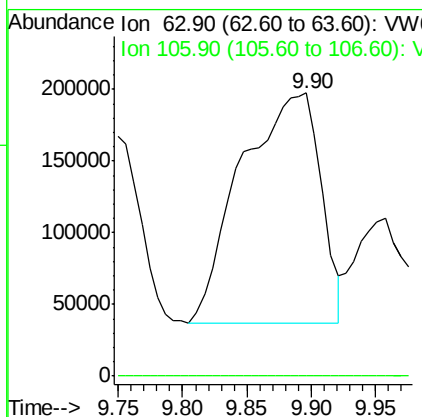
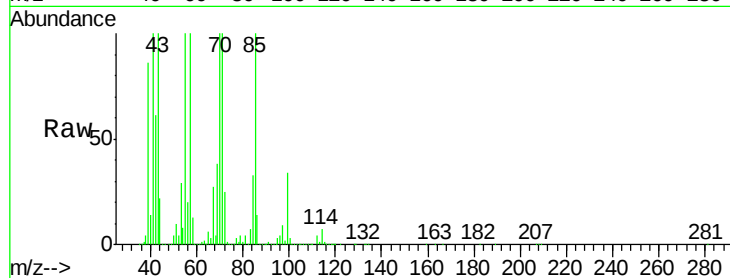




#58
 2-Chloroethyl Vinyl ether
 Concen: 254.854 ug/l
 RT: 9.90 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: VW008842.D
 Acq: 26 Feb 2019 20:24

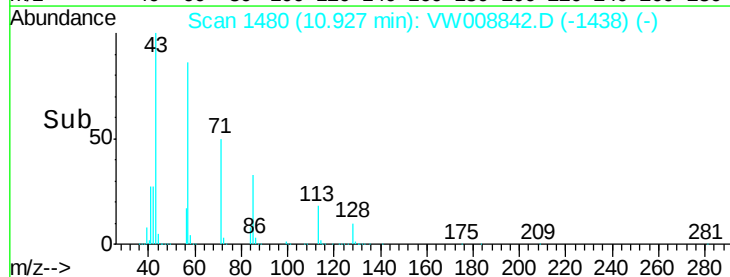
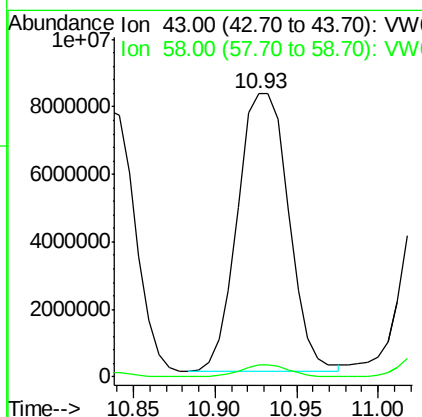
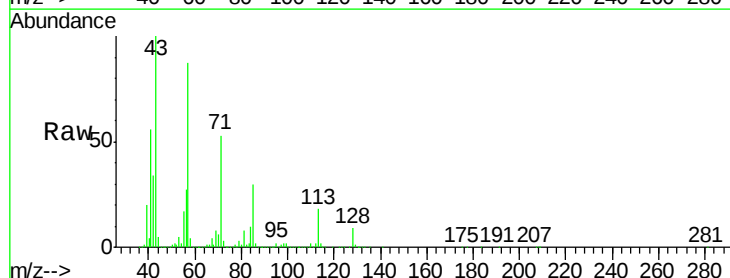
Instrument :
 MSVOA_W
 ClientSampled :
 B-8(7.5-8.5)

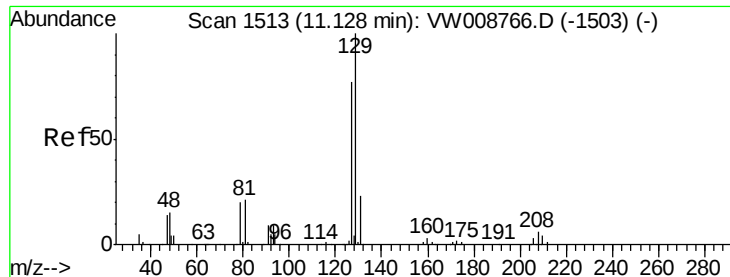
Tot Ion: 63 Resp: 688978
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.0 36.0#



#59
 2-Hexanone
 Concen: 6613.215 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: VW008842.D
 Acq: 26 Feb 2019 20:24

Tgt Ion: 43 Resp:18031330
 Ion Ratio Lower Upper
 43 100
 58 4.1 25.3 75.8#





#60

Dibromochloromethane

Concen: 22.619 ug/l

RT: 11.04 min Scan# 1498

Delta R.T. -0.09 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

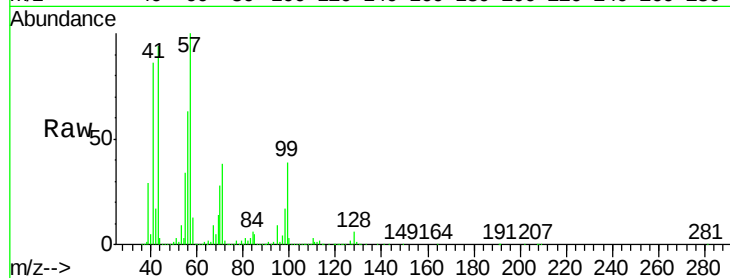
B-8(7.5-8.5)

Tot Ion:129 Resp: 114145

Ion Ratio Lower Upper

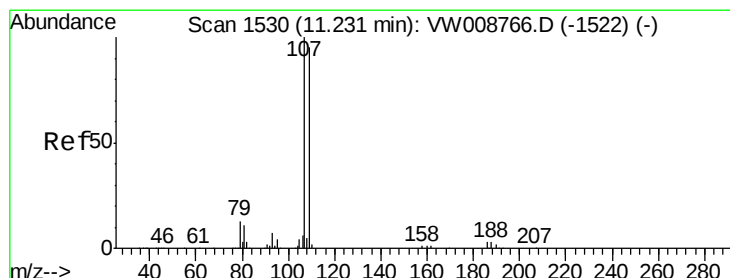
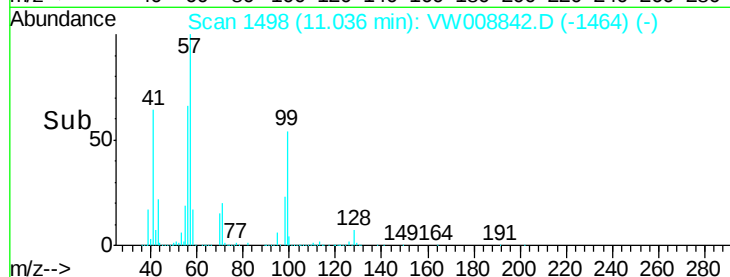
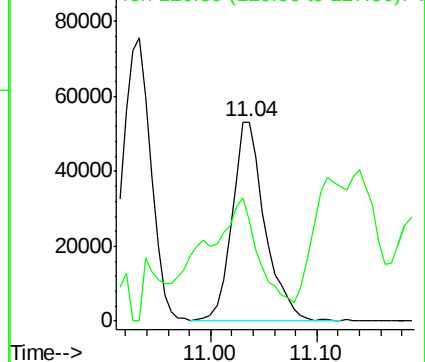
129 100

127 76.9 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 17.739 ug/l

RT: 11.19 min Scan# 1524

Delta R.T. -0.04 min

Lab File: VW008842.D

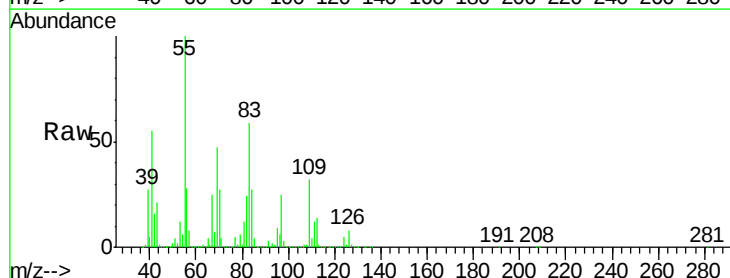
Acq: 26 Feb 2019 20:24

Tgt Ion:107 Resp: 72645

Ion Ratio Lower Upper

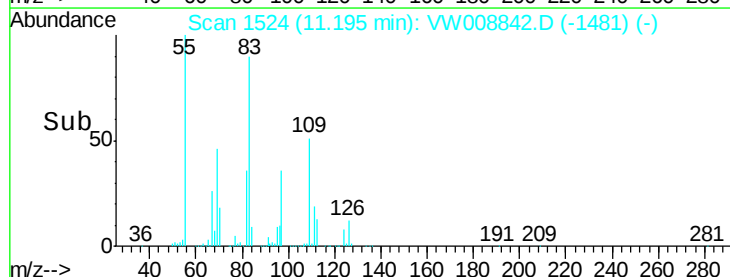
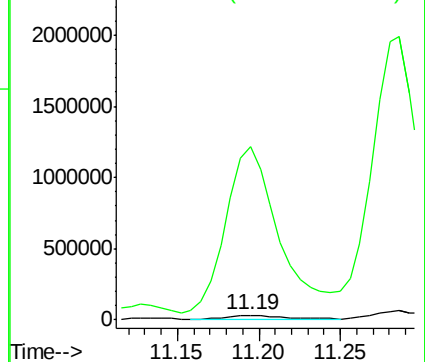
107 100

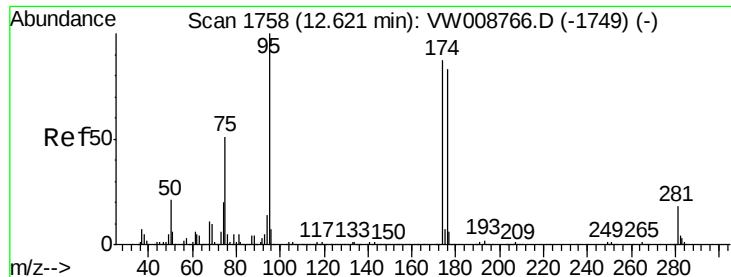
109 3588.2 75.6 113.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 172.650 ug/l

RT: 12.60 min Scan# 1755

Delta R.T. -0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

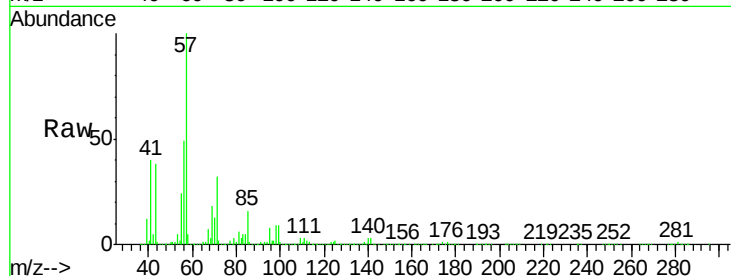
Tot Ion: 95 Resp: 1308401

Ion Ratio Lower Upper

95 100

174 0.0 0.0 169.2

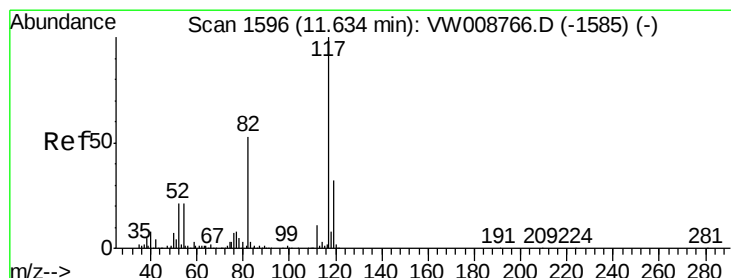
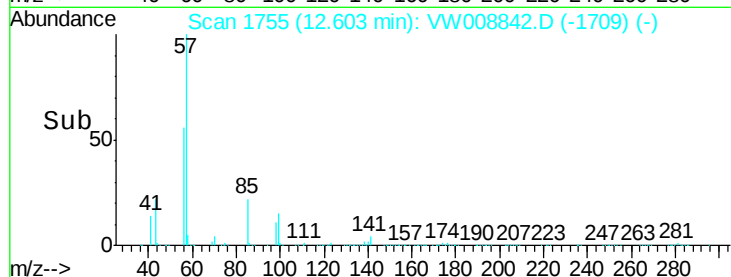
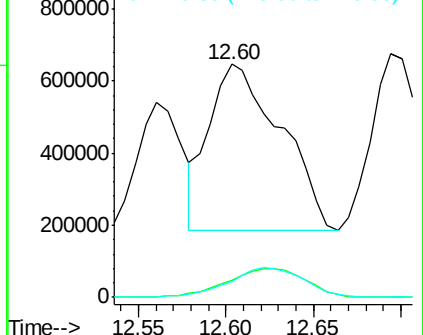
176 0.0 0.0 163.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

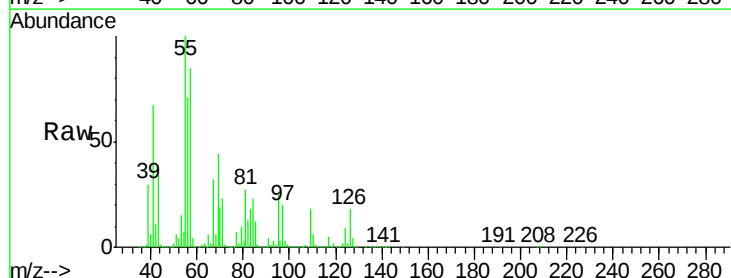
Tgt Ion: 117 Resp: 732428

Ion Ratio Lower Upper

117 100

82 227.9 42.2 63.4#

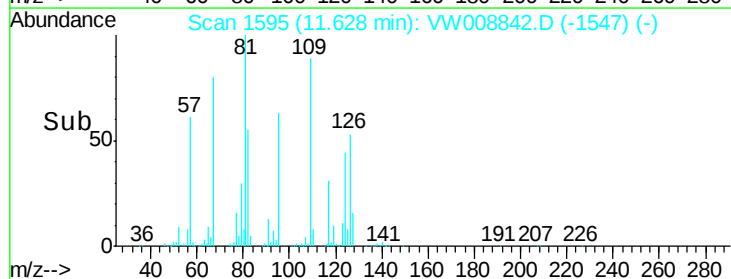
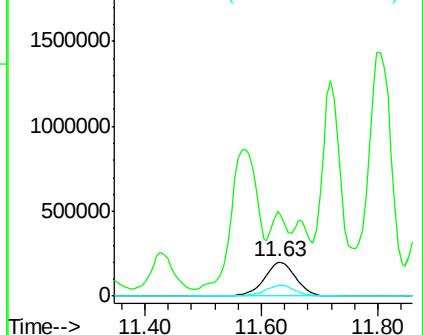
119 30.8 25.9 38.9

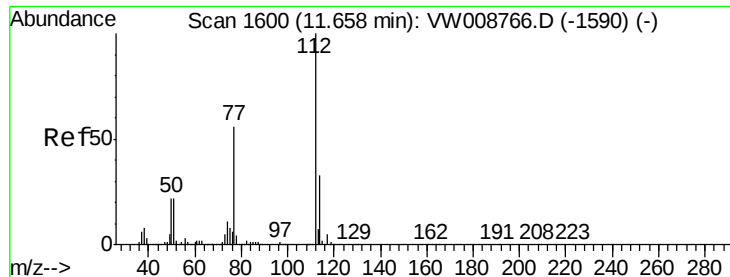


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#65

Chlorobenzene

Concen: 7.427 ug/l

RT: 11.55 min Scan# 1583

Delta R.T. -0.10 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

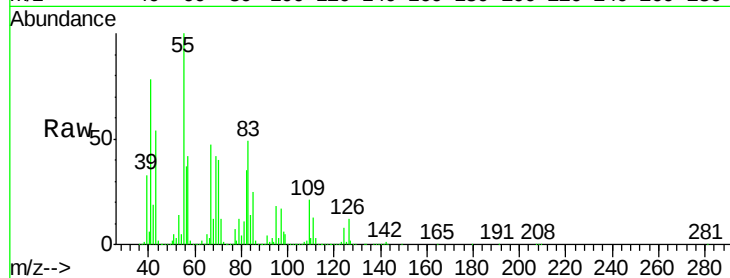
B-8(7.5-8.5)

Tot Ion:112 Resp: 114384

Ion Ratio Lower Upper

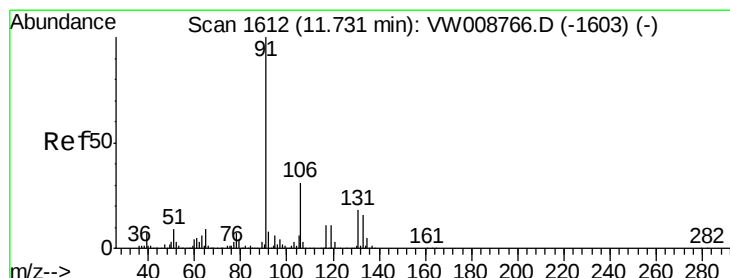
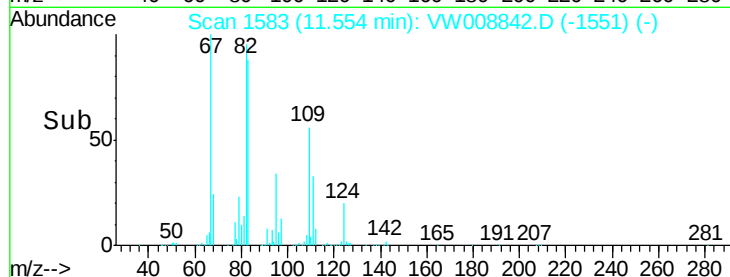
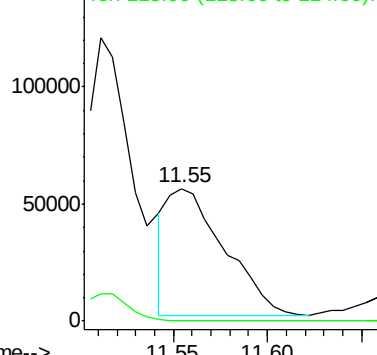
112 100

114 0.7 26.6 40.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 474.303 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008842.D

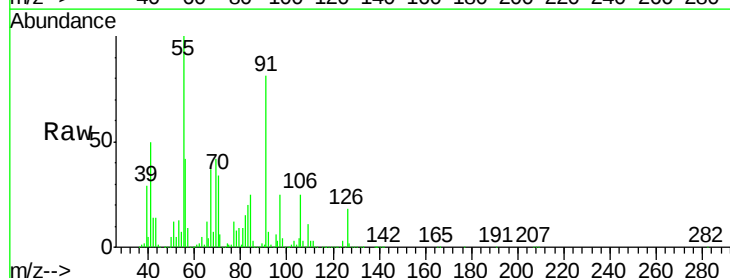
Acq: 26 Feb 2019 20:24

Tgt Ion: 91 Resp:13058250

Ion Ratio Lower Upper

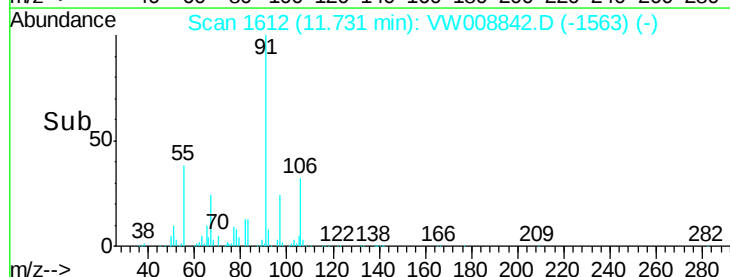
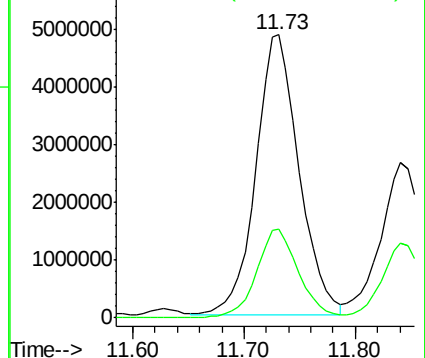
91 100

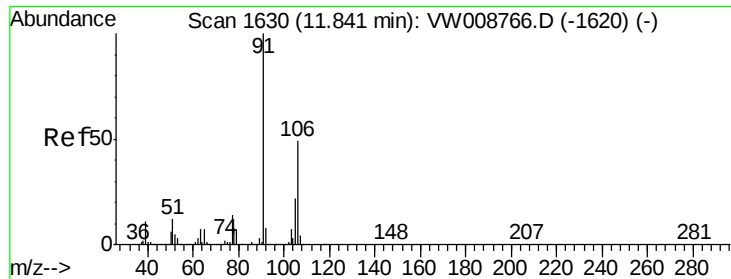
106 31.6 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

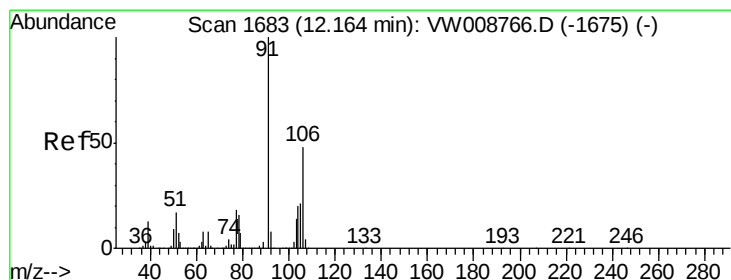
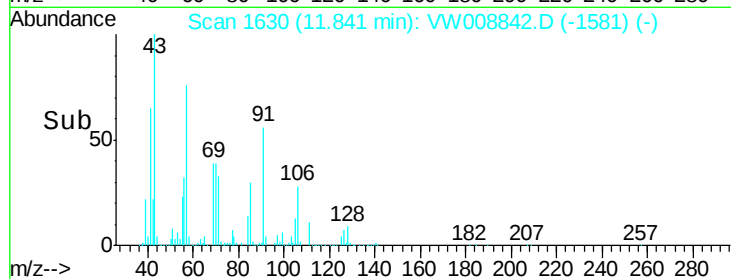
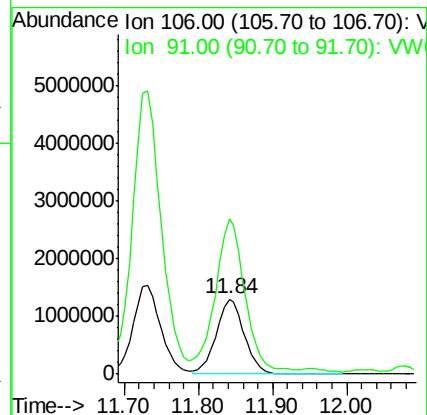
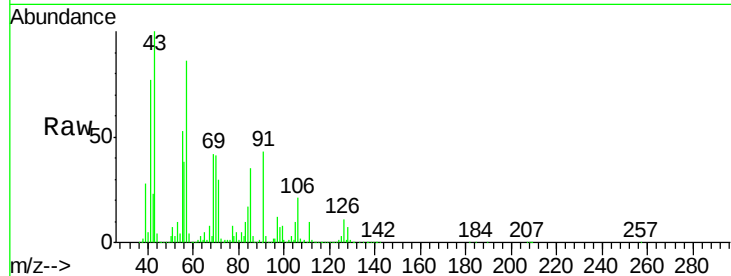




#68
m/p-Xvlenes
Concen: 305.715 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

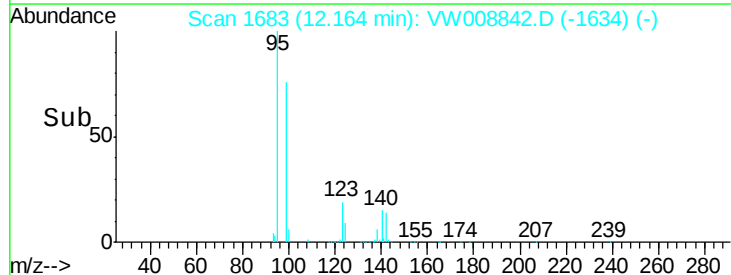
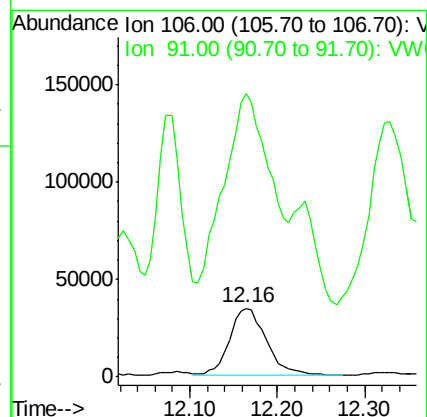
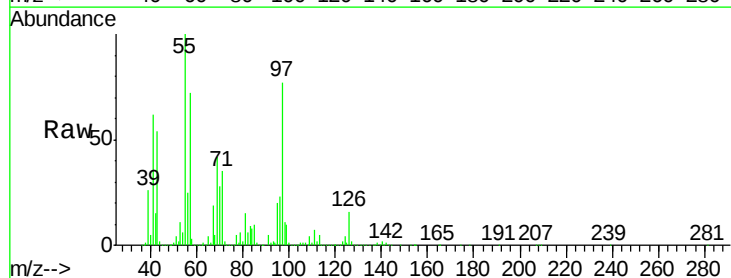
Instrument :
MSVOA_W
ClientSampled :
B-8(7.5-8.5)

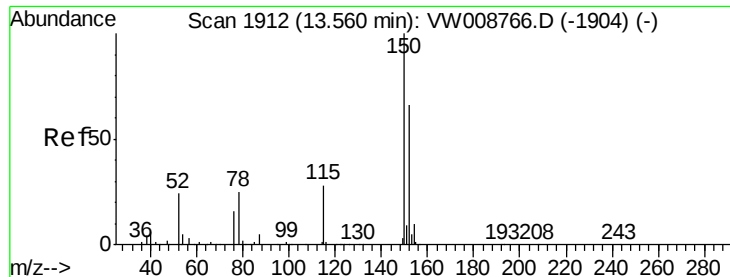
Tot Ion:106 Resp: 3362932
Ion Ratio Lower Upper
106 100
91 208.7 161.5 242.3



#69
o-Xylene
Concen: 9.772 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion:106 Resp: 100900
Ion Ratio Lower Upper
106 100
91 346.4 106.2 318.6#



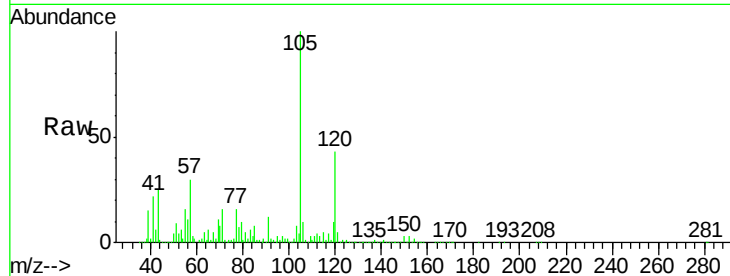


#72

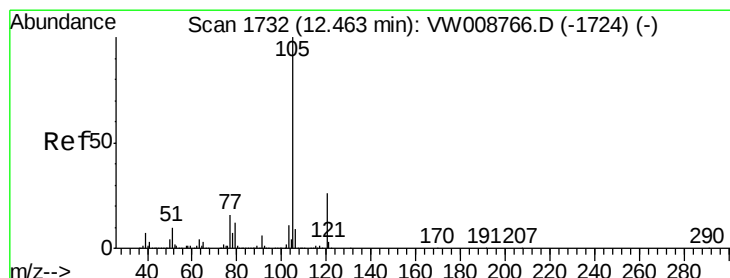
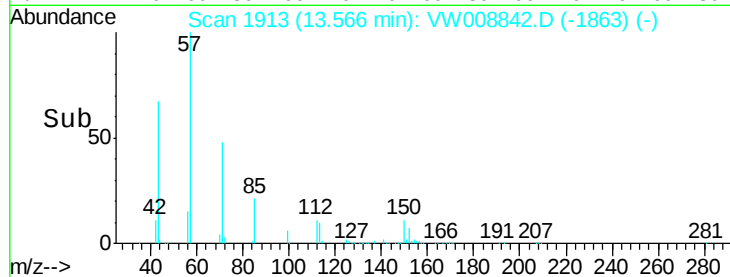
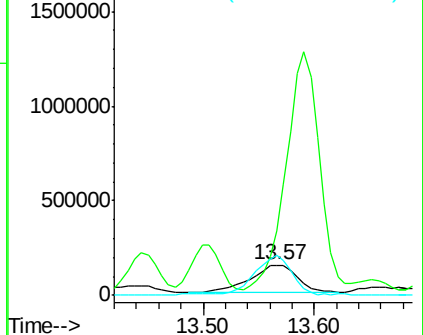
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.6	85.8#
150	106.6	0.0	348.0



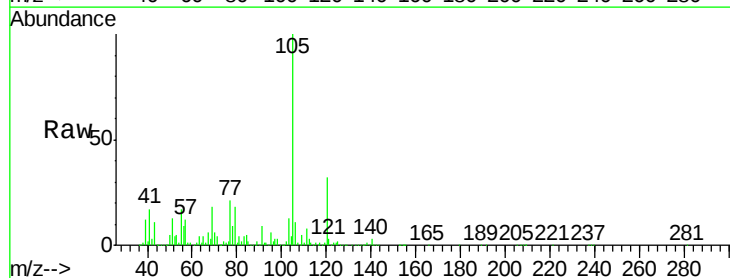
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



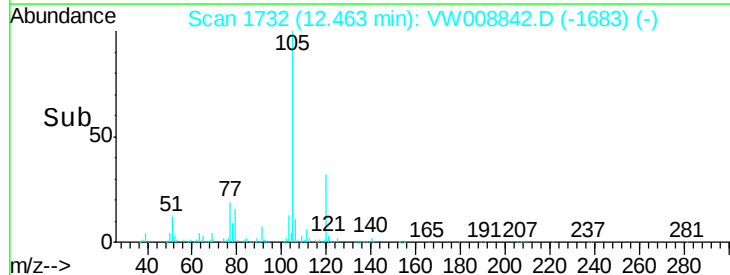
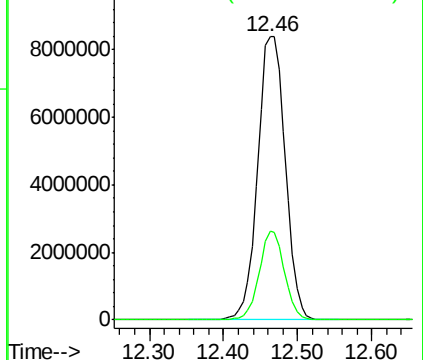
#73

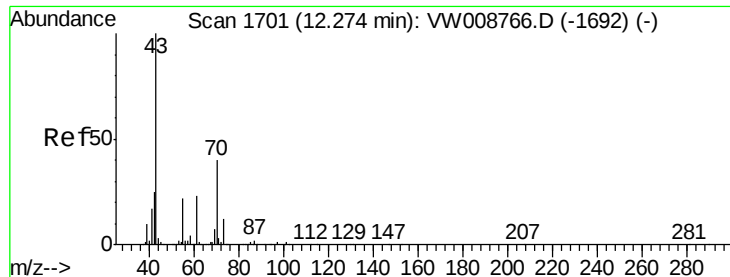
Isopropylbenzene
Concen: 718.354 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW008842.D
Acq: 26 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.7	13.3	39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 999.910 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

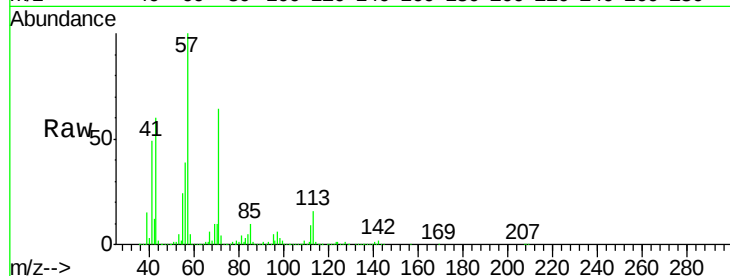
MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

Tot Ion: 43 Resp: 7625254

Ion	Ratio	Lower	Upper
43	100		
70	8.5	31.0	46.6#
55	0.0	18.7	28.1#
61	0.0	18.1	27.1#

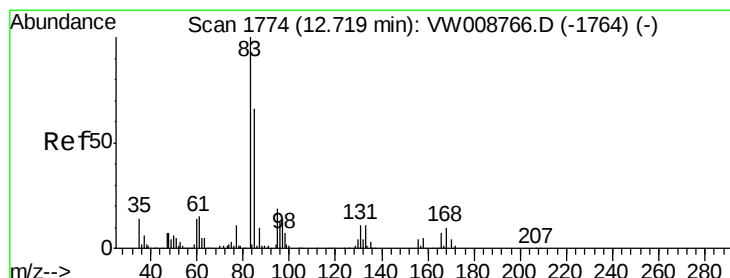
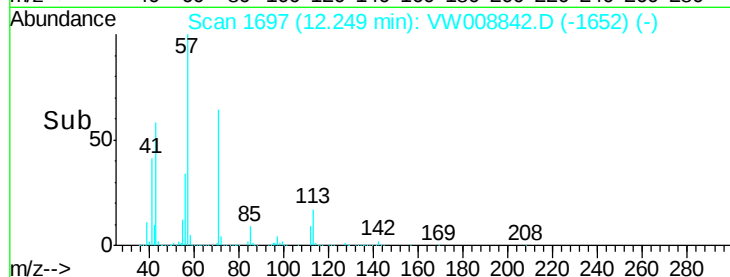
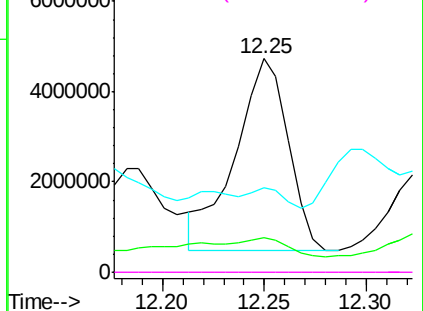


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 58.521 ug/l

RT: 12.70 min Scan# 1771

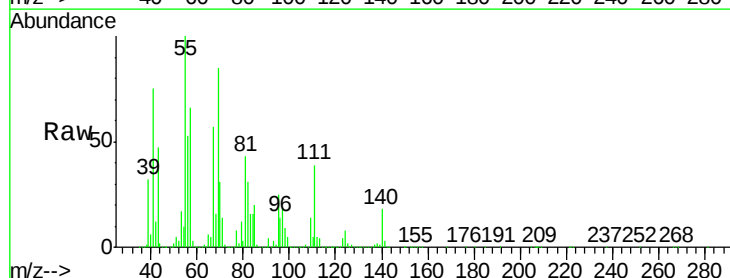
Delta R.T. -0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Tgt Ion: 83 Resp: 289487

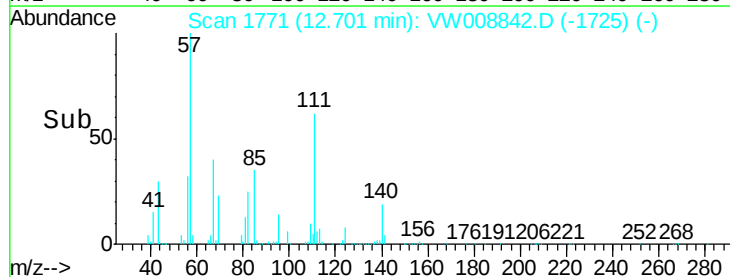
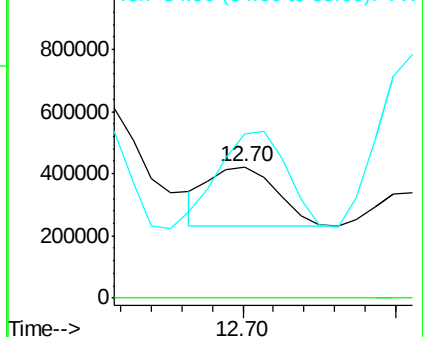
Ion	Ratio	Lower	Upper
83	100		
131	0.1	5.5	16.7#
85	172.9	33.0	98.9#

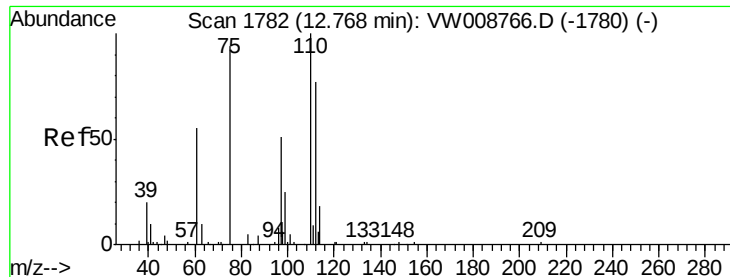


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 202.591 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

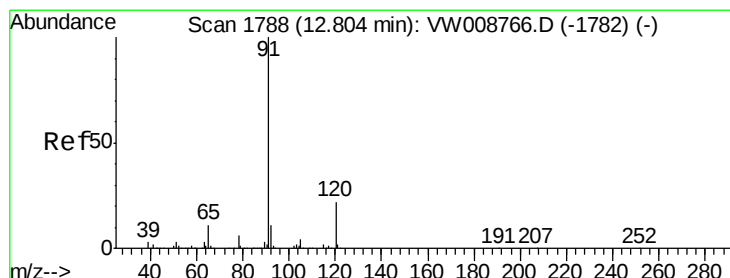
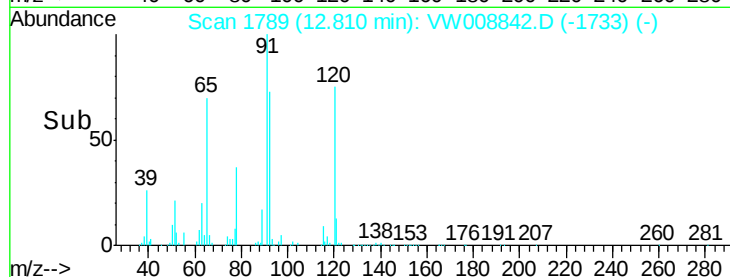
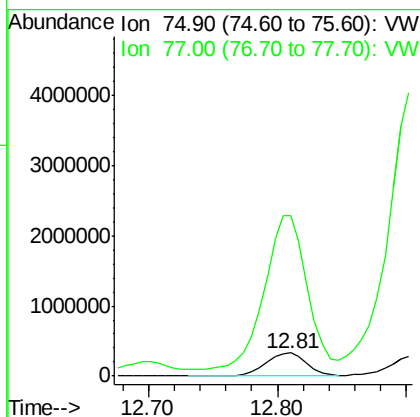
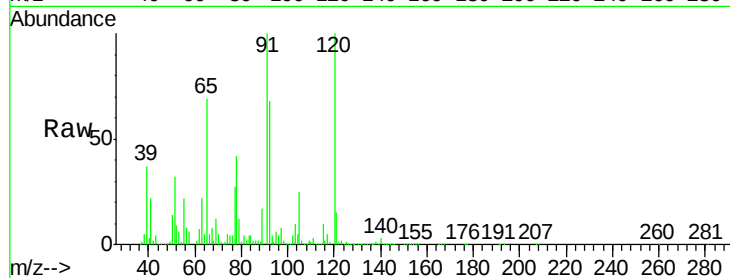
B-8(7.5-8.5)

Tot Ion: 75 Resp: 738671

Ion Ratio Lower Upper

75 100

77 681.7 0.0 0.0#



#78

n-propylbenzene

Concen: 195.656 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.10 min

Lab File: VW008842.D

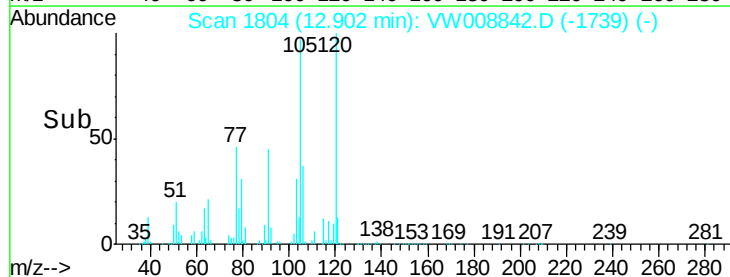
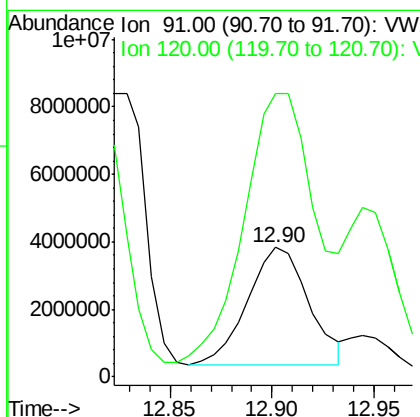
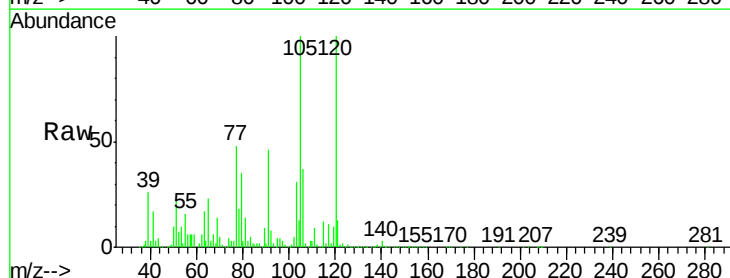
Acq: 26 Feb 2019 20:24

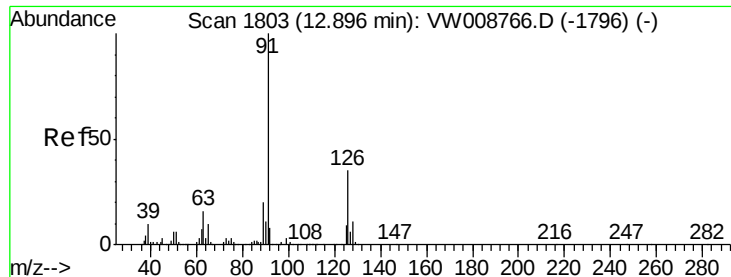
Tgt Ion: 91 Resp: 7245689

Ion Ratio Lower Upper

91 100

120 297.4 11.5 34.4#

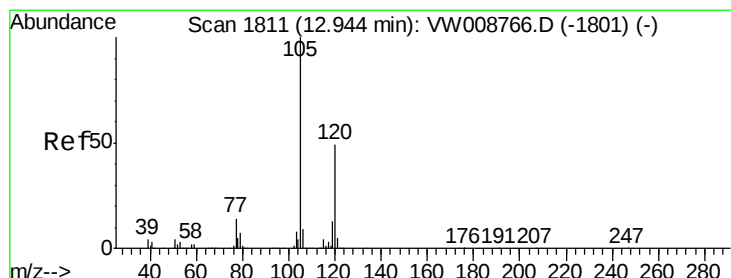
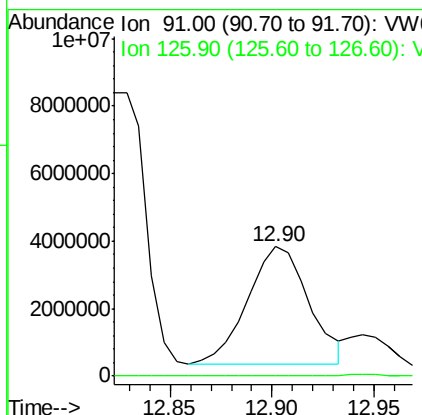
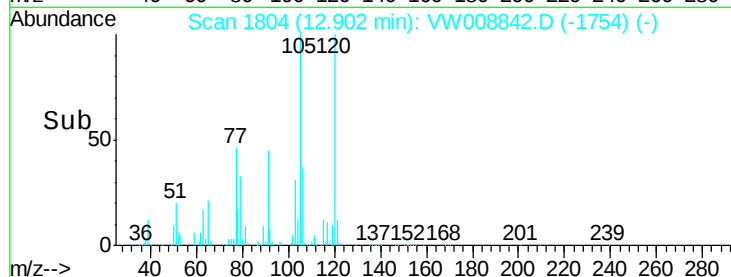
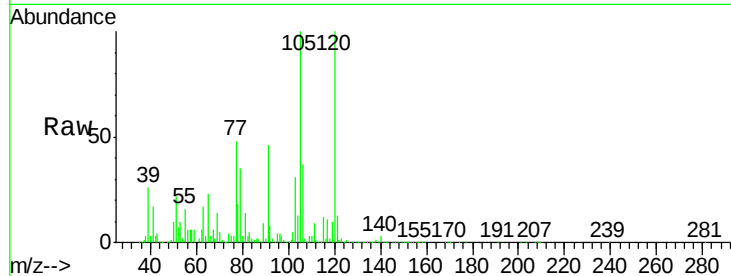




#79
 2-Chlorotoluene
 Concen: 344.612 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VW008842.D
 Acq: 26 Feb 2019 20:24

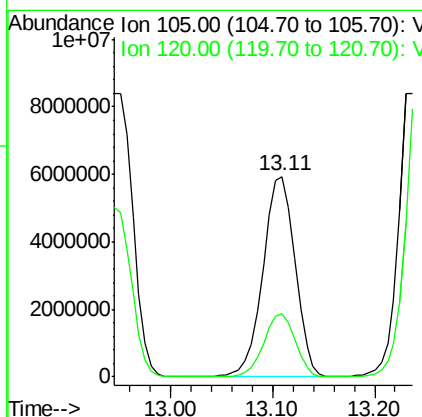
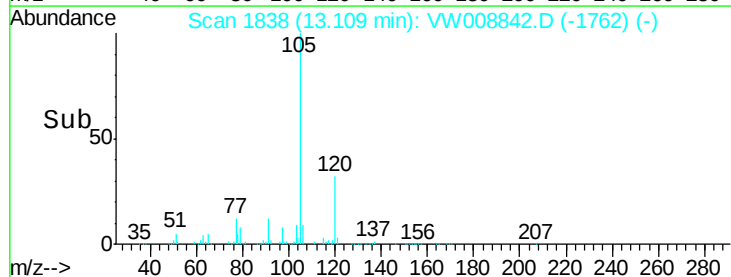
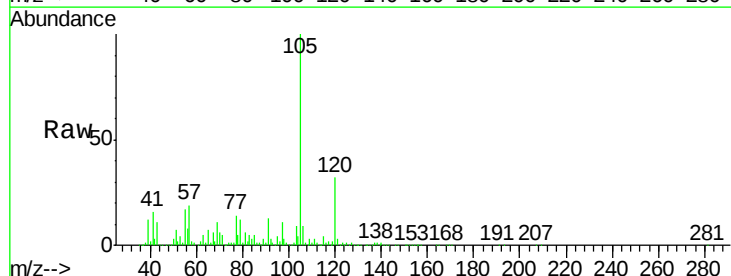
Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(7.5-8.5)

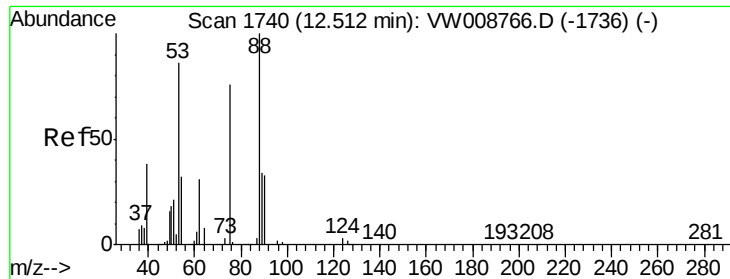
Tot Ion: 91 Resp: 7245689
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 491.053 ug/l
 RT: 13.11 min Scan# 1838
 Delta R.T. 0.16 min
 Lab File: VW008842.D
 Acq: 26 Feb 2019 20:24

Tgt Ion: 105 Resp: 12919179
 Ion Ratio Lower Upper
 105 100
 120 31.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 187.521 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

B-8(7.5-8.5)

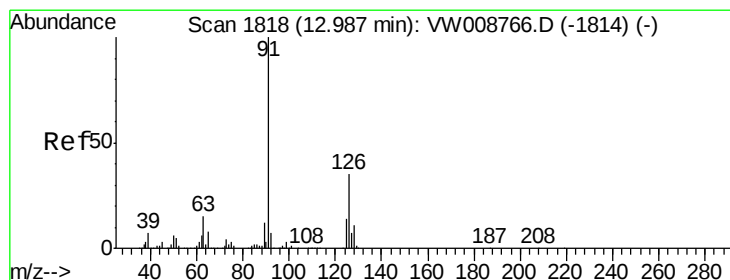
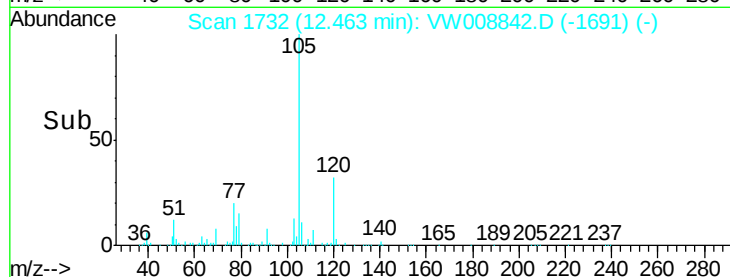
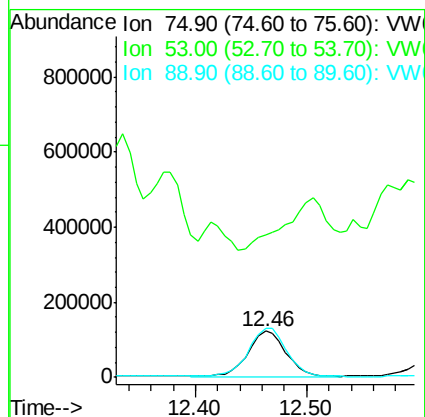
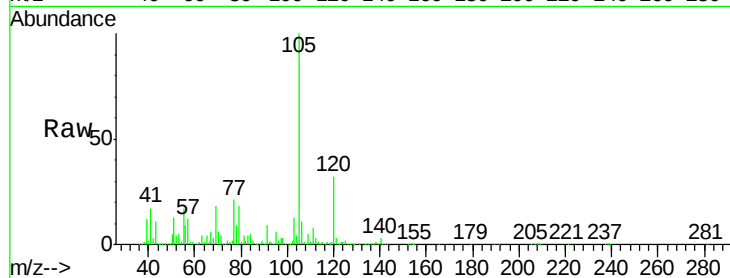
Tot Ion: 75 Resp: 281244

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 109.9 39.5 59.3#



#82

4-Chlorotoluene

Concen: 327.018 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.09 min

Lab File: VW008842.D

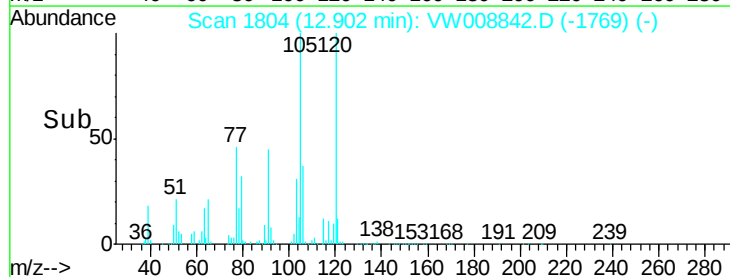
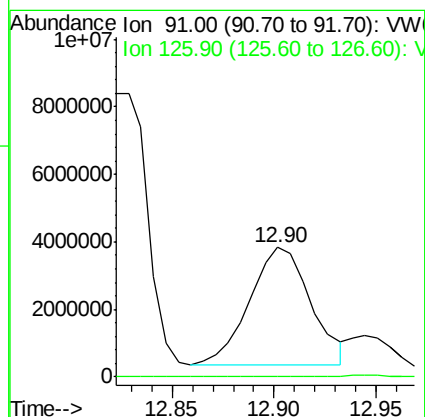
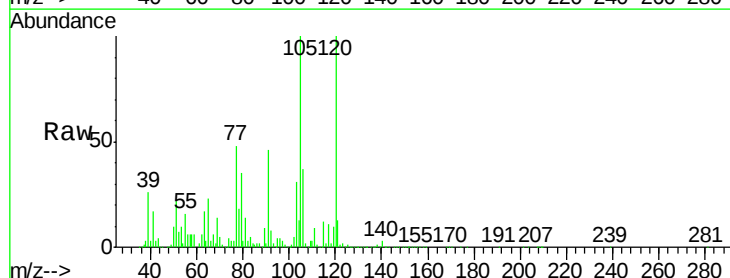
Acq: 26 Feb 2019 20:24

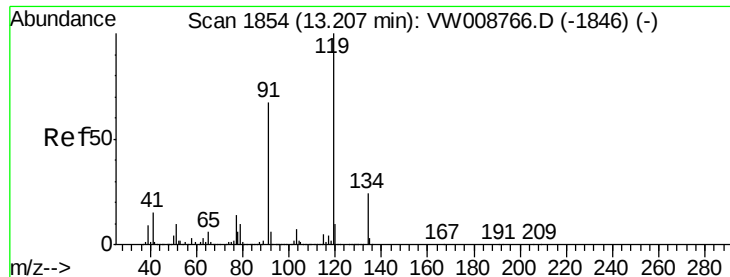
Tgt Ion: 91 Resp: 7245689

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#





#83

tert-Butylbenzene

Concen: 457.732 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.05 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

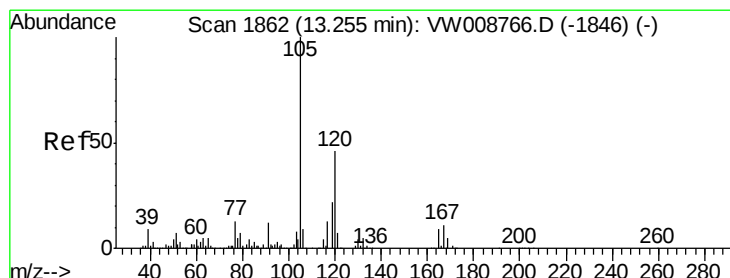
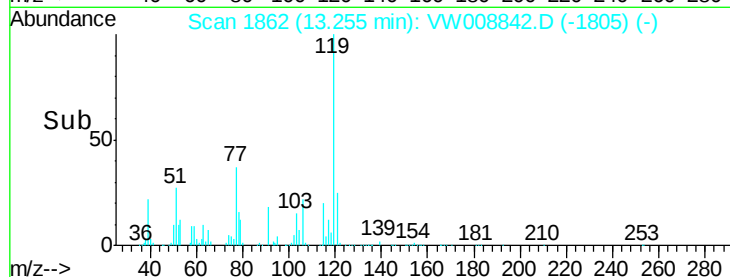
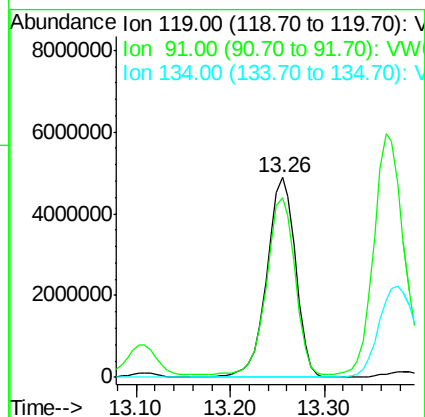
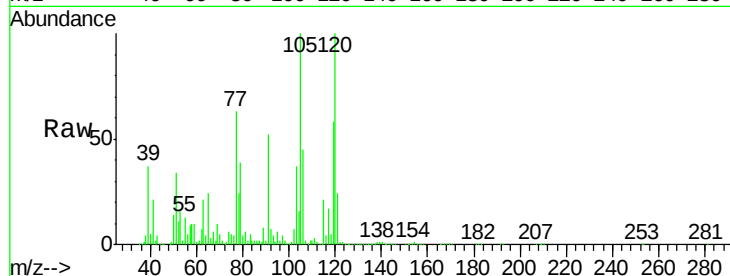
Tot Ion:119 Resp:10412740

Ion Ratio Lower Upper

119 100

91 88.8 33.6 100.8

134 0.0 13.7 41.1#



#84

1,2,4-Trimethylbenzene

Concen: 474.372 ug/l

RT: 13.11 min Scan# 1838

Delta R.T. -0.15 min

Lab File: VW008842.D

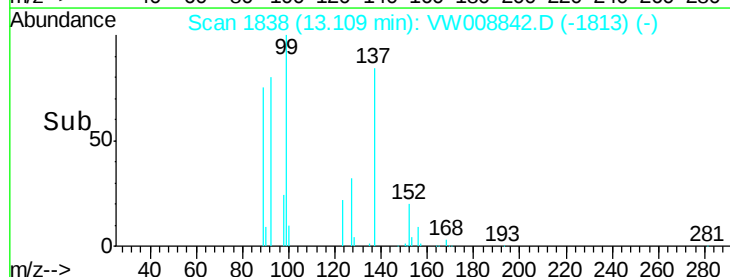
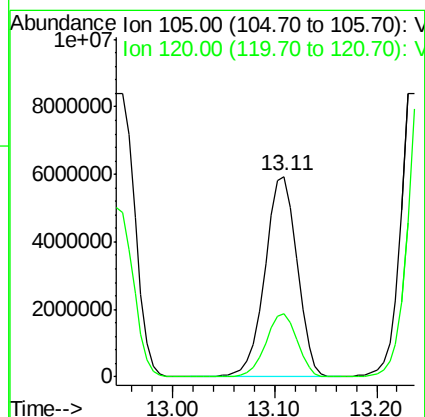
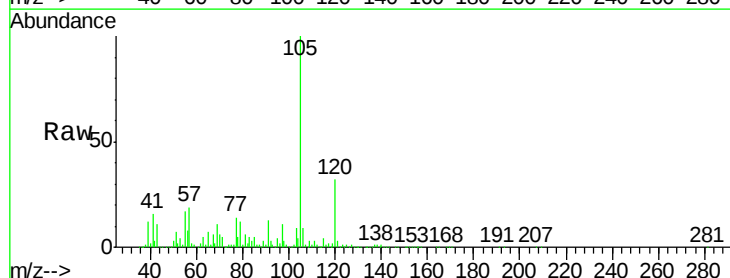
Acq: 26 Feb 2019 20:24

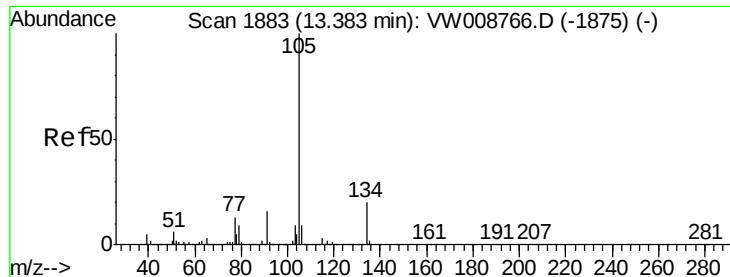
Tgt Ion:105 Resp:12919179

Ion Ratio Lower Upper

105 100

120 31.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 433.647 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

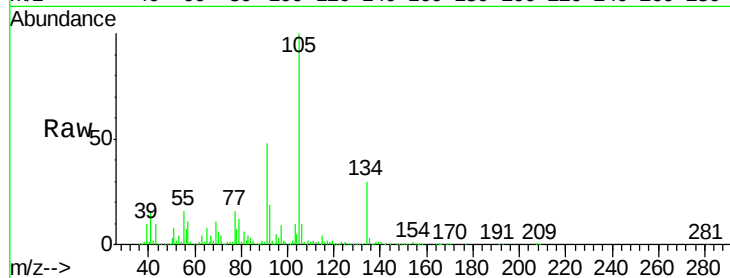
B-8(7.5-8.5)

Tot Ion:105 Resp:14184707

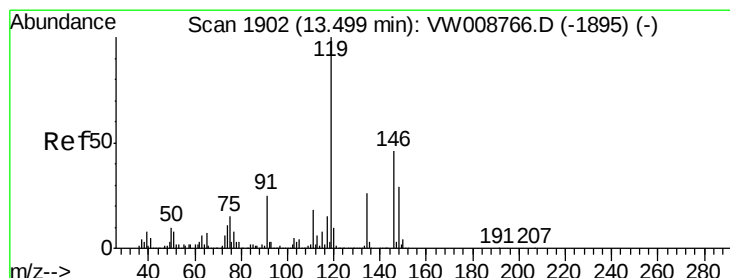
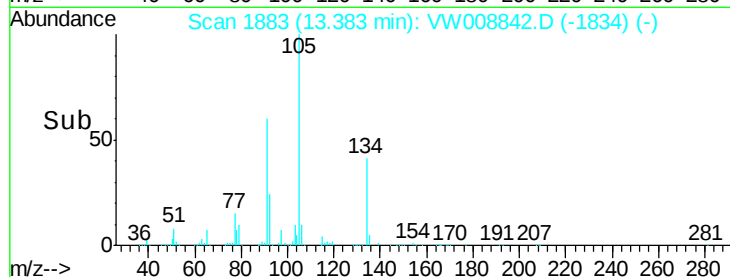
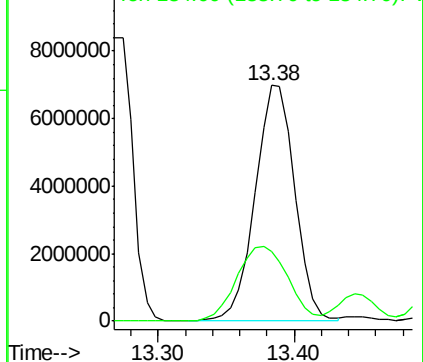
Ion Ratio Lower Upper

105 100

134 41.5 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 207.989 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

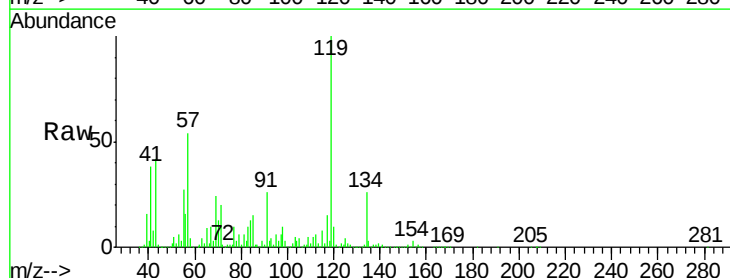
Tgt Ion:119 Resp: 6236885

Ion Ratio Lower Upper

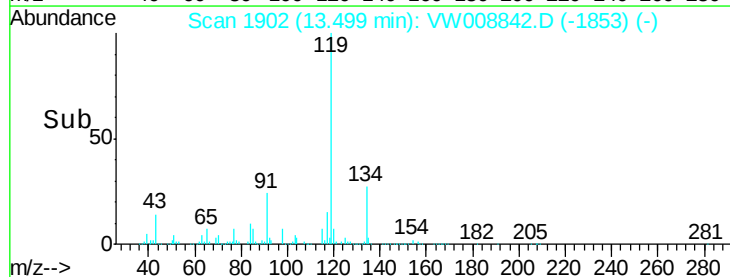
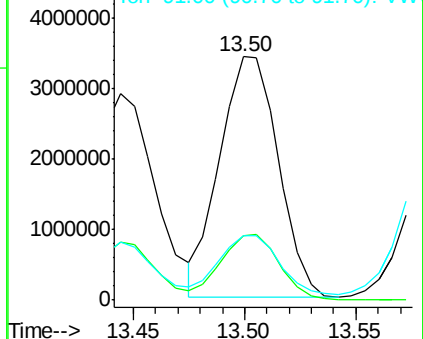
119 100

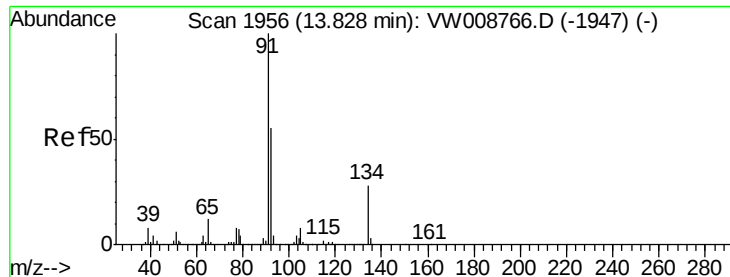
134 27.1 13.1 39.3

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 101.638 ug/l

RT: 13.81 min Scan# 1953

Delta R.T. -0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

B-8(7.5-8.5)

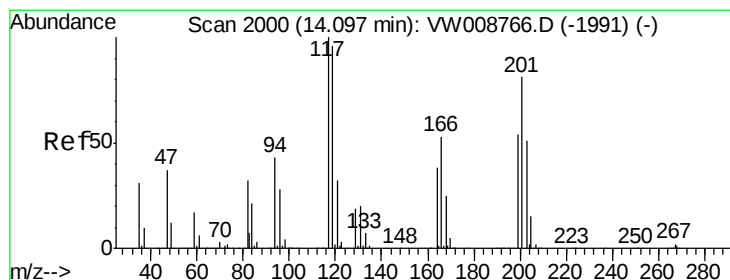
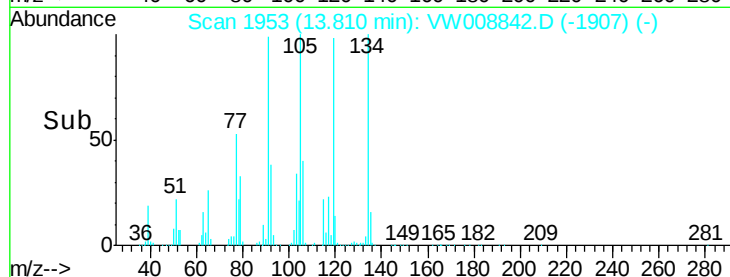
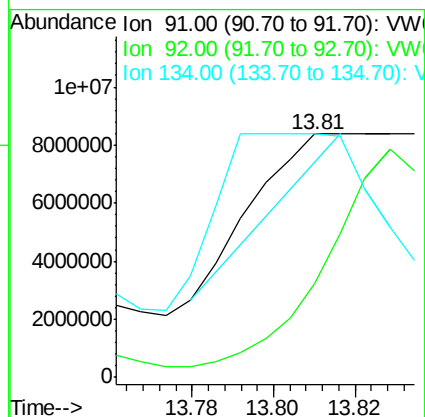
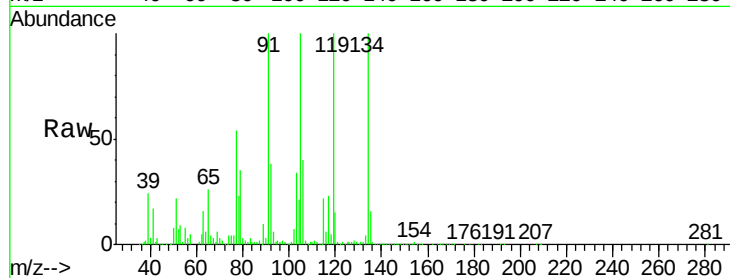
Tot Ion: 91 Resp: 2855303

Ion Ratio Lower Upper

91 100

92 543.2 26.8 80.4#

134 0.0 13.5 40.4#



#90

Hexachloroethane

Concen: 1881.100 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008842.D

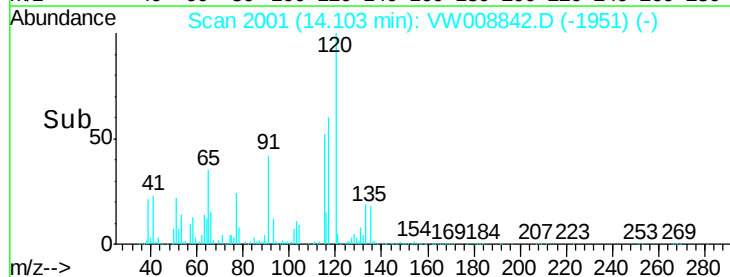
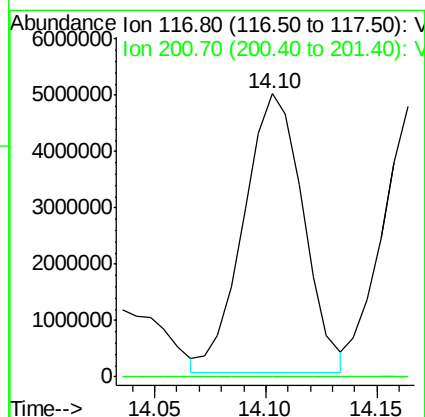
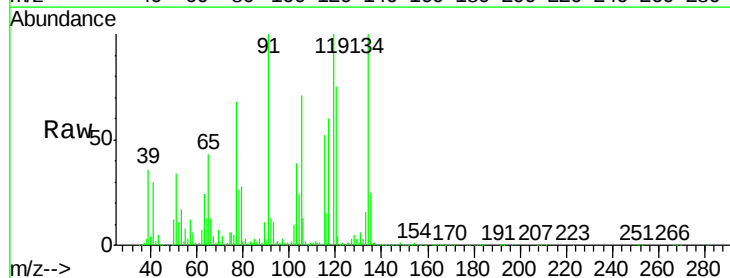
Acq: 26 Feb 2019 20:24

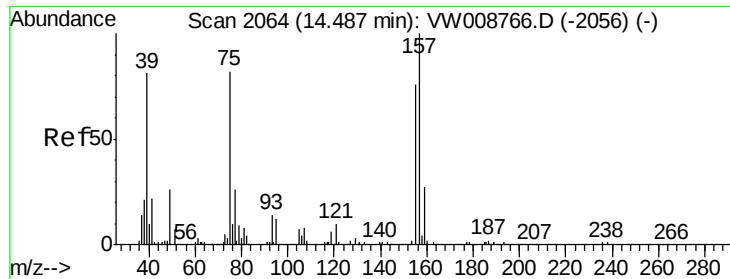
Tgt Ion: 117 Resp: 9234214

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 113.612 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)

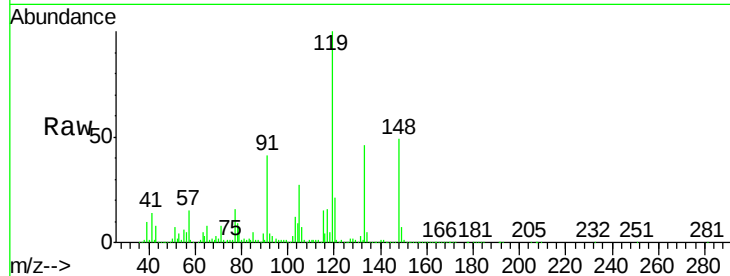
Tot Ion: 75 Resp: 101664

Ion Ratio Lower Upper

75 100

155 5.6 41.8 125.4#

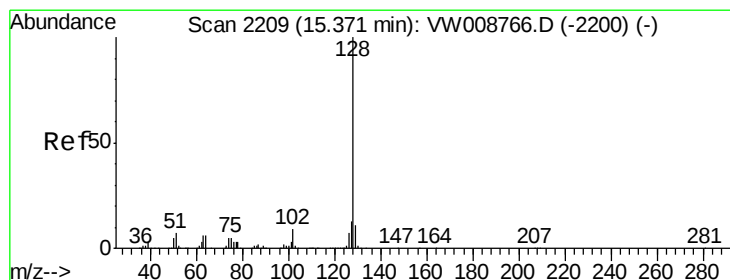
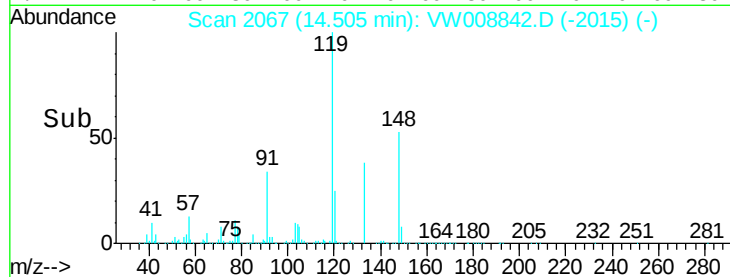
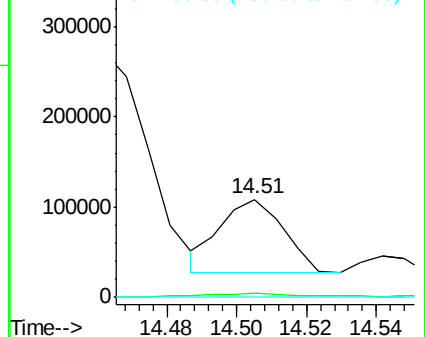
157 0.3 56.6 169.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 307.060 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008842.D

Acq: 26 Feb 2019 20:24

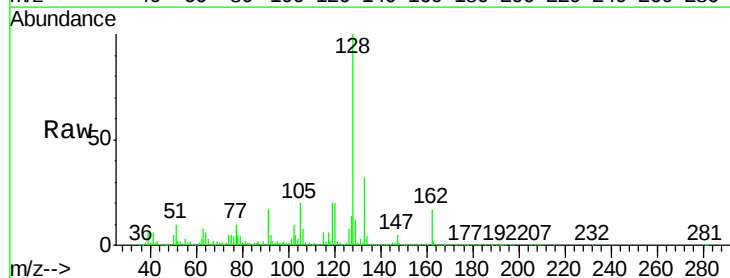
Tgt Ion:128 Resp: 4981971

Ion Ratio Lower Upper

128 100

127 14.1 10.8 16.2

129 13.5 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

