

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008840.D
 Acq On : 26 Feb 2019 19:31
 Operator : SY/VA
 Sample : K1594-31
 Misc : 6.30G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-4B(14-15)

Quant Time: Feb 27 06:01:38 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	363517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	556553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	493111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	185753	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
35) Dibromofluoromethane	7.88	113	167027	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.32	98	666457	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.62	95	231143	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	4467	14.717	ug/l #	70
13) Acrolein	3.84	56	18112	71.875	ug/l #	1
14) Allyl chloride	4.76	41	37994	6.916	ug/l #	66
15) Acrylonitrile	5.44	53	23497	29.140	ug/l #	41
16) Acetone	4.12	43	93285	118.040	ug/l #	82
18) Methyl Acetate	4.74	43	21736	11.596	ug/l #	51
20) Methylene Chloride	4.92	84	41292	6.123	ug/l #	83
23) Vinyl Acetate	6.23	43	22552	3.331	ug/l #	78
25) 2-Butanone	7.17	43	14745	13.345	ug/l #	80
26) 2,2-Dichloropropane	7.14	77	5810	1.008	ug/l #	54
29) Tetrahydrofuran	7.53	42	4310	6.121	ug/l #	56
30) Chloroform	7.69	83	12502	1.919	ug/l #	50
31) Cyclohexane	7.95	56	352730	54.877	ug/l	94
36) 1,1-Dichloropropene	7.95	75	27831	5.137	ug/l #	65
37) Ethyl Acetate	7.17	43	14745	5.853	ug/l #	71
38) Carbon Tetrachloride	7.95	117	35344	6.186	ug/l #	15
39) Methylcyclohexane	9.34	83	270798	40.073	ug/l	100
40) Benzene	8.33	78	16132	1.091	ug/l	95
41) Methacrylonitrile	7.52	41	11007	7.433	ug/l #	48
43) Isopropyl Acetate	8.43	43	28070	5.583	ug/l #	54
47) Bromodichloromethane	9.62	83	8188	1.655	ug/l #	24
48) Methyl methacrylate	9.46	41	6275	2.606	ug/l #	13
49) 1,4-Dioxane	9.52	88	35	1.075	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2640	1.034	ug/l #	55
52) Toluene	10.39	92	35490	3.535	ug/l	96
55) 1,1,2-Trichloroethane	10.76	97	27282	9.894	ug/l #	21
58) 2-Chloroethyl Vinyl ether	9.91	63	3497	1.941	ug/l #	45
67) Ethyl Benzene	11.73	91	5256241	283.574	ug/l	100
68) m/p-Xylenes	11.84	106	4041522	545.712	ug/l	99
69) o-Xylene	12.16	106	40270	5.793	ug/l	94
73) Isopropylbenzene	12.46	105	454132	27.536	ug/l	100
74) N-amyl acetate	12.26	43	6292	1.515	ug/l #	60
76) 1,2,3-Trichloropropane	12.80	75	9744	4.906	ug/l #	100
78) n-propylbenzene	12.80	91	1459864	72.364	ug/l	99

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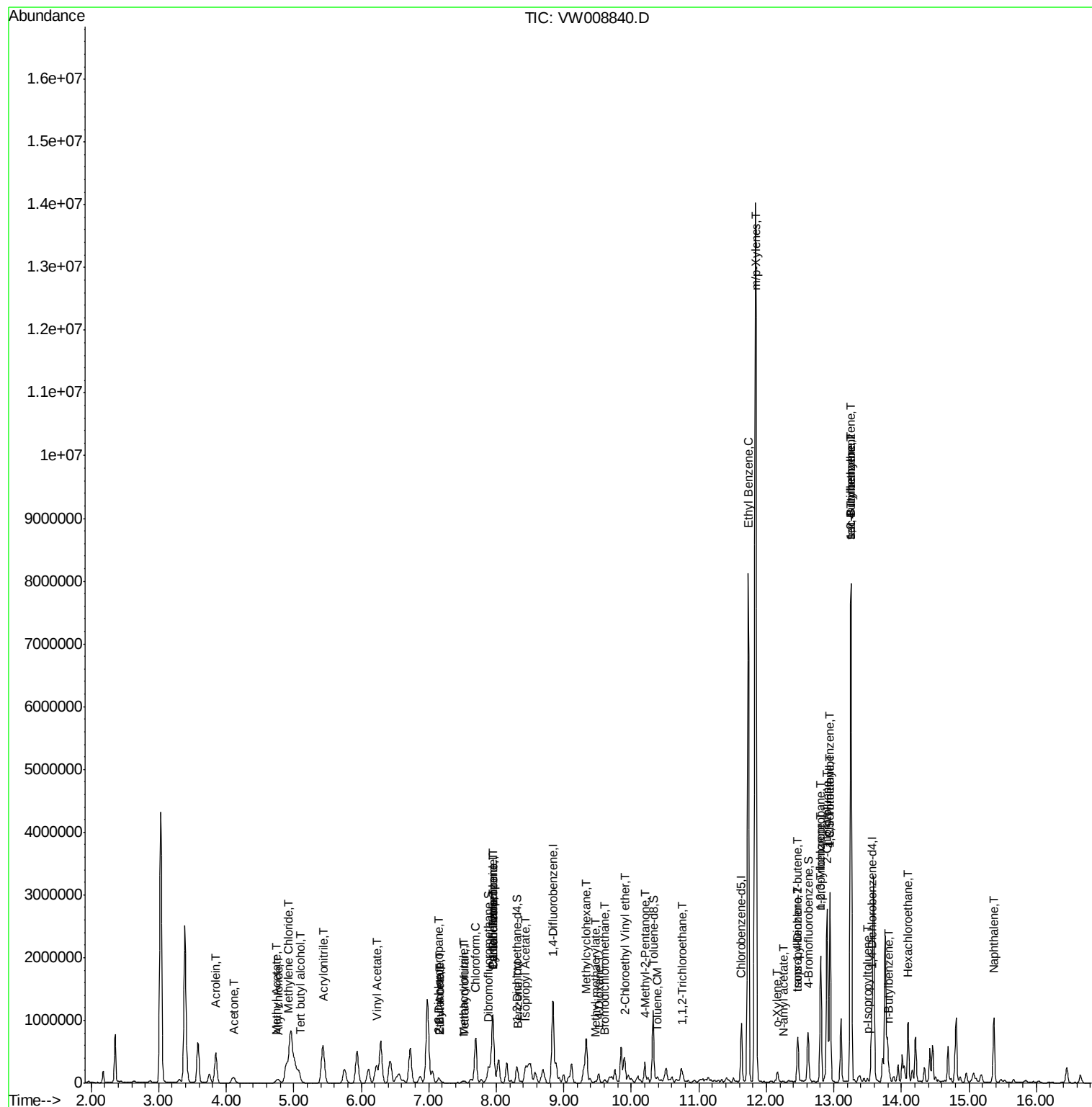
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.90	91	207588	18.124	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	1461312	101.960	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.46	75	6488	7.941	ug/l #	68
82) 4-Chlorotoluene	12.94	91	164423	13.622	ug/l #	40
83) tert-Butylbenzene	13.26	119	492814	39.767	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.26	105	4075488	274.700	ug/l	99
85) sec-Butylbenzene	13.26	105	4075488	228.713	ug/l #	56
86) p-Isopropyltoluene	13.50	119	23255	1.424	ug/l #	75
89) n-Butylbenzene	13.82	91	58942	3.851	ug/l #	74
90) Hexachloroethane	14.10	117	47992	17.946	ug/l #	9
95) Naphthalene	15.37	128	840828	95.131	ug/l	99

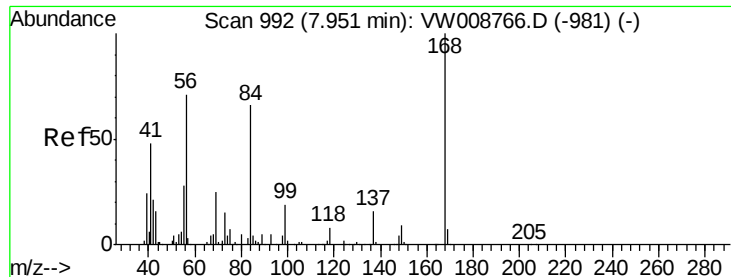
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

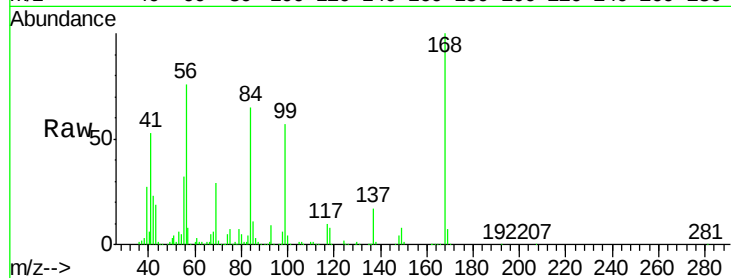
B-4B(14-15)

Tot Ion:168 Resp: 363517

Ion Ratio Lower Upper

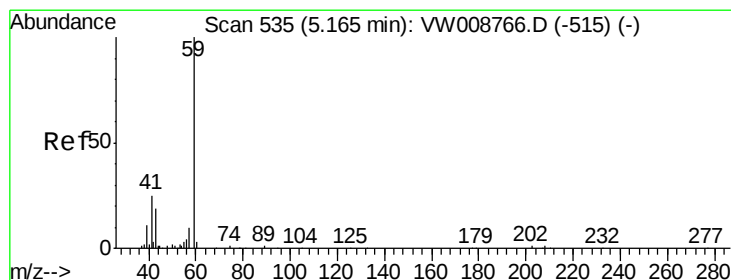
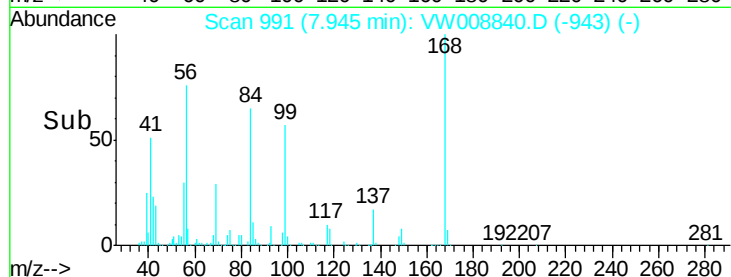
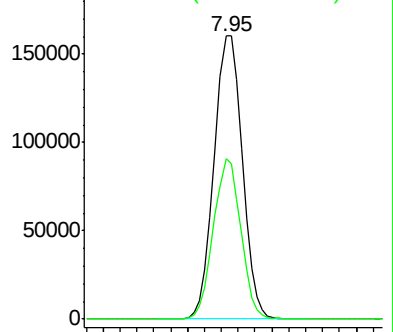
168 100

99 56.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 14.717 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW008840.D

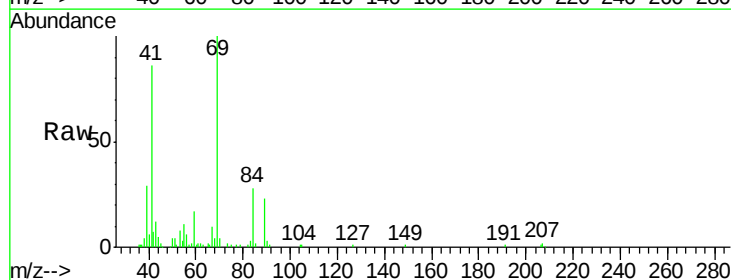
Acq: 26 Feb 2019 19:31

Tgt Ion: 59 Resp: 4467

Ion Ratio Lower Upper

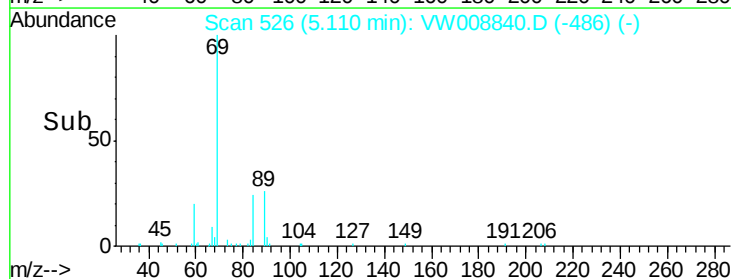
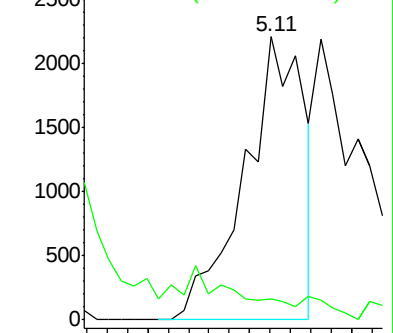
59 100

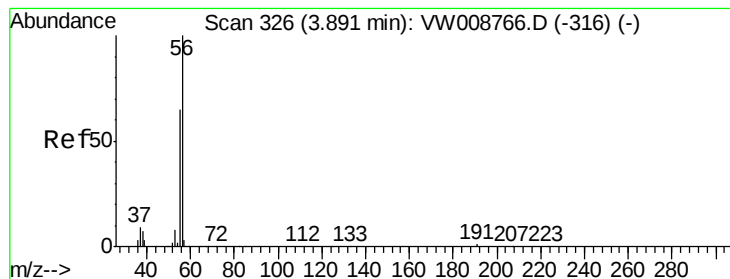
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 71.875 ug/l

RT: 3.84 min Scan# 318

Delta R.T. -0.05 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

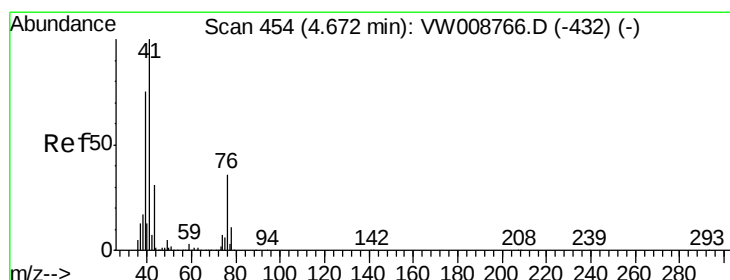
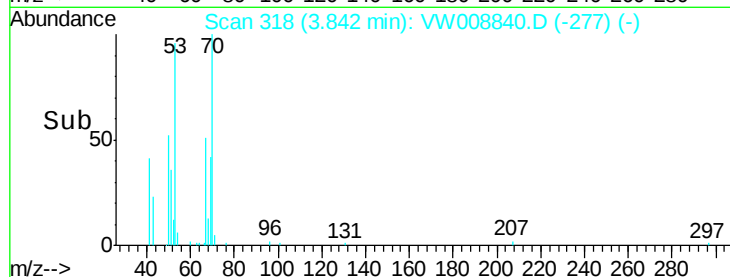
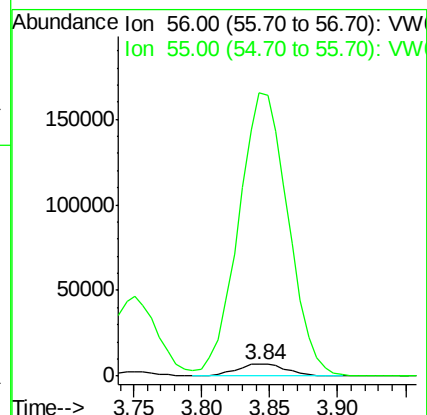
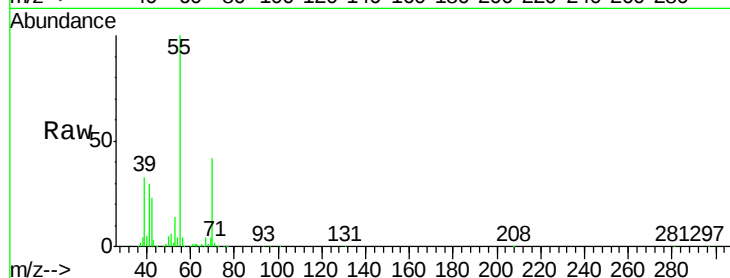
B-4B(14-15)

Tot Ion: 56 Resp: 18112

Ion Ratio Lower Upper

56 100

55 2317.0 56.9 85.3#



#14

Allyl chloride

Concen: 6.916 ug/l

RT: 4.76 min Scan# 469

Delta R.T. 0.09 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

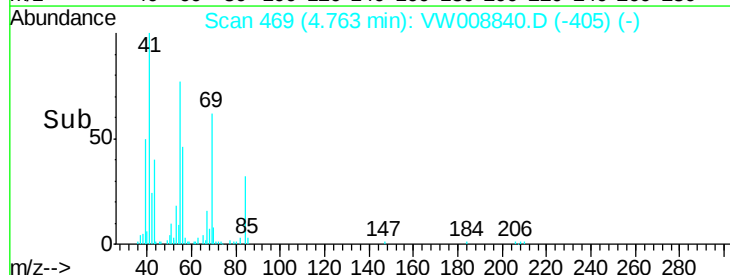
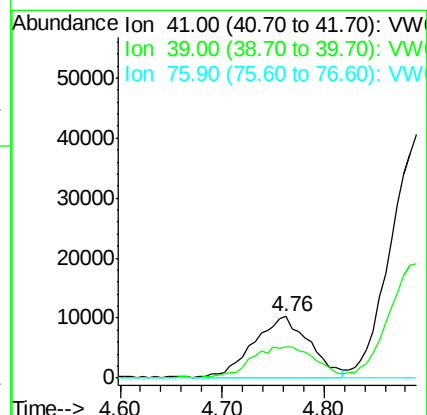
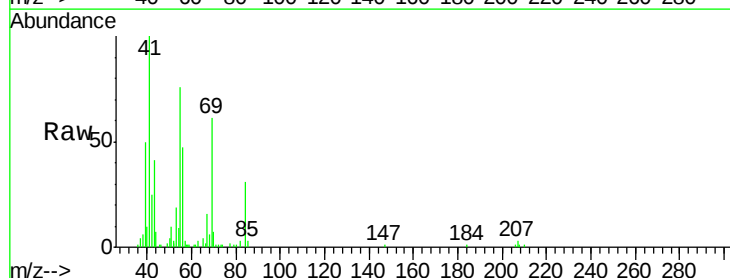
Tgt Ion: 41 Resp: 37994

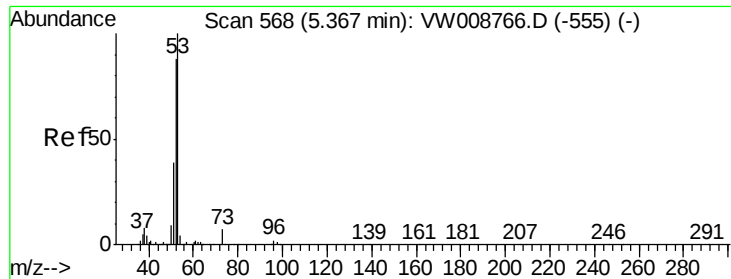
Ion Ratio Lower Upper

41 100

39 57.6 60.6 91.0#

76 0.0 28.6 42.8#





#15

Acrylonitrile

Concen: 29.140 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.07 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

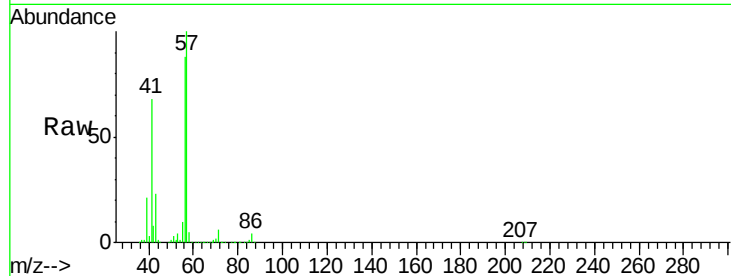
MSVOA_W

ClientSampleId :

B-4B(14-15)

Tot Ion: 53 Resp: 23497

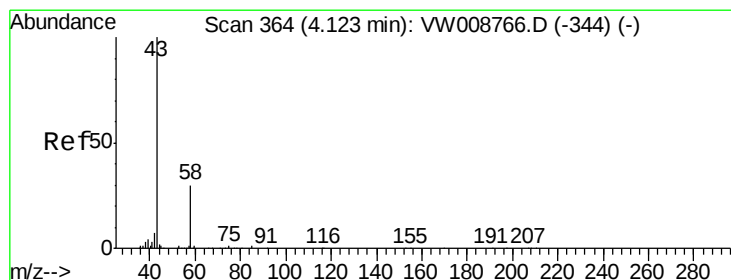
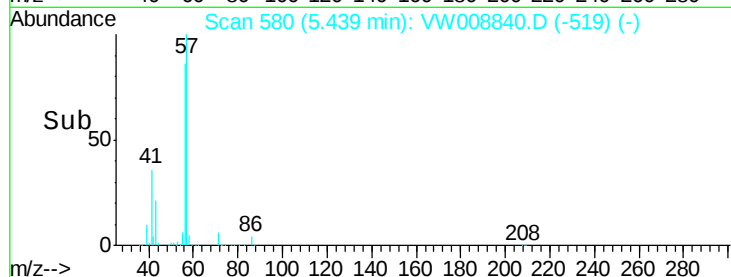
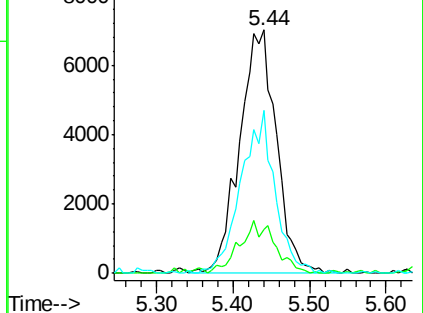
Ion	Ratio	Lower	Upper
53	100		
52	21.0	67.2	100.8#
51	61.2	31.1	46.7#



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



#16

Acetone

Concen: 118.040 ug/l

RT: 4.12 min Scan# 364

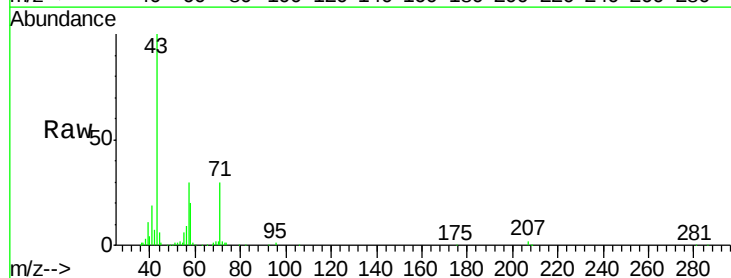
Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

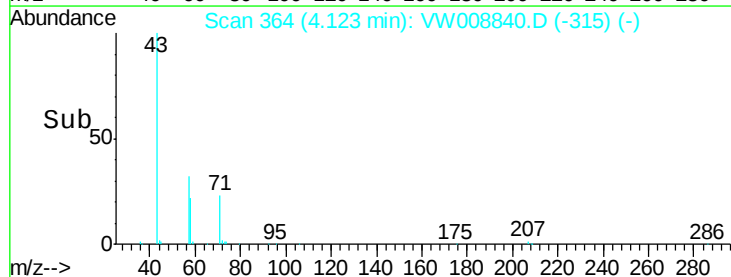
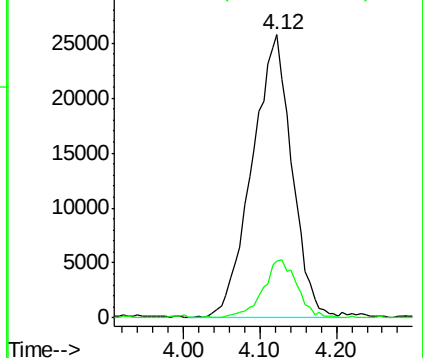
Tgt Ion: 43 Resp: 93285

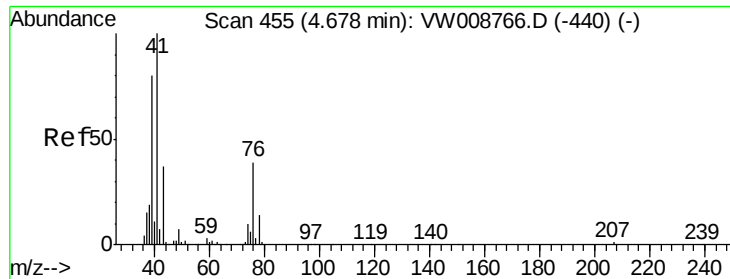
Ion	Ratio	Lower	Upper
43	100		
58	19.9	23.8	35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

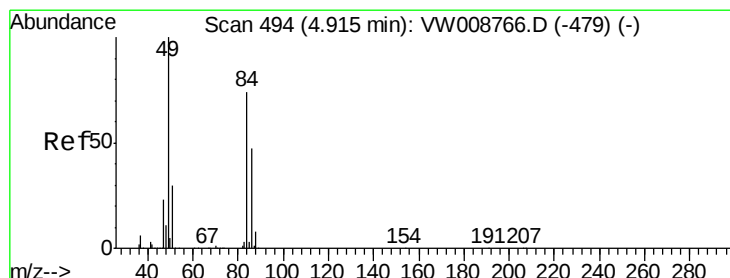
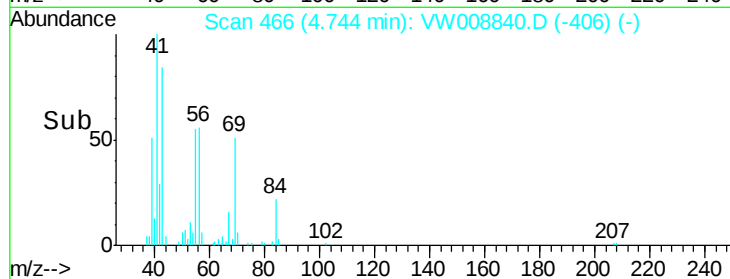
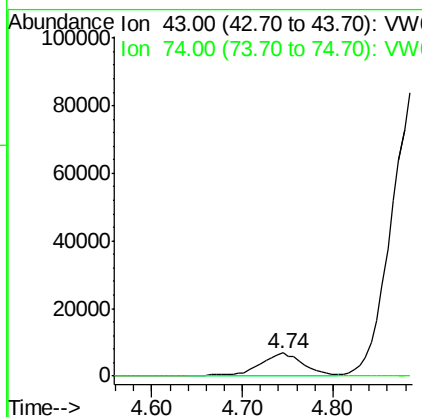
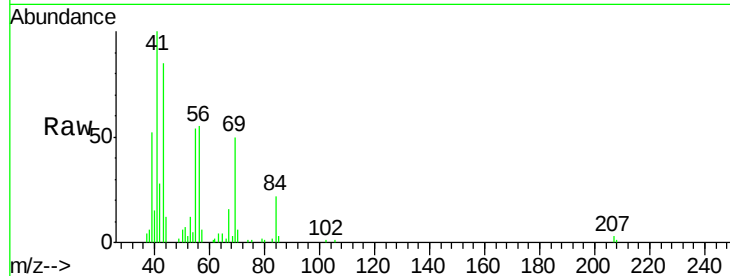




#18
Methyl Acetate
Concen: 11.596 ug/l
RT: 4.74 min Scan# 466
Delta R.T. 0.07 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

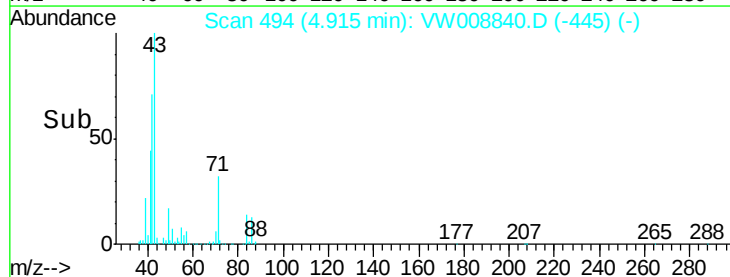
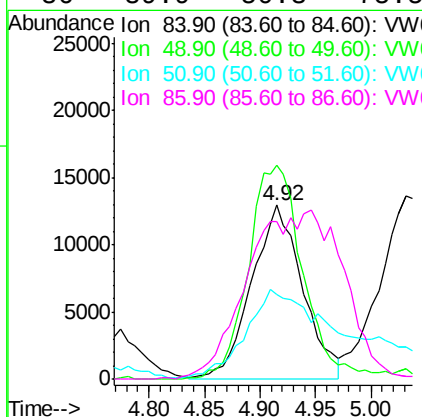
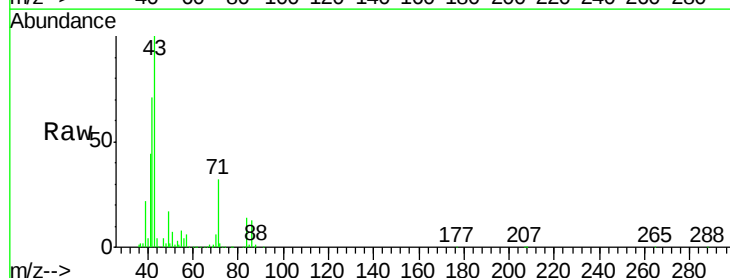
Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

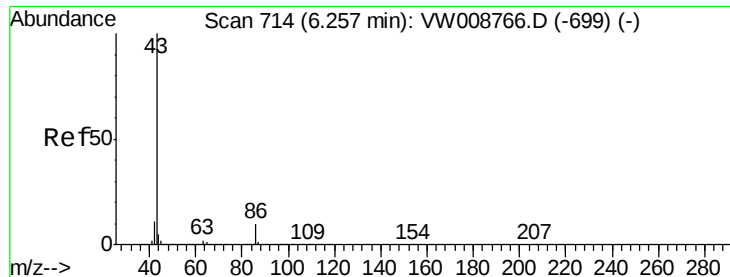
Tot Ion: 43 Resp: 21736
Ion Ratio Lower Upper
43 100
74 0.2 19.4 29.2#



#20
Methylene Chloride
Concen: 6.123 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion: 84 Resp: 41292
Ion Ratio Lower Upper
84 100
49 123.2 108.2 162.2
51 47.4 32.7 49.1
86 89.9 50.3 75.5#





#23

Vinyl Acetate

Concen: 3.331 ug/l

RT: 6.23 min Scan# 709

Delta R.T. -0.03 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

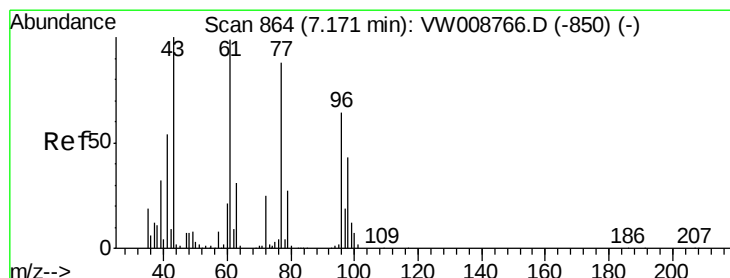
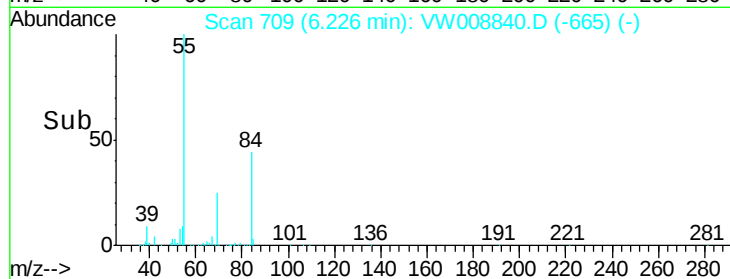
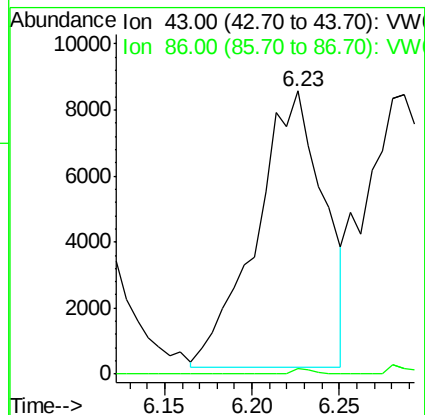
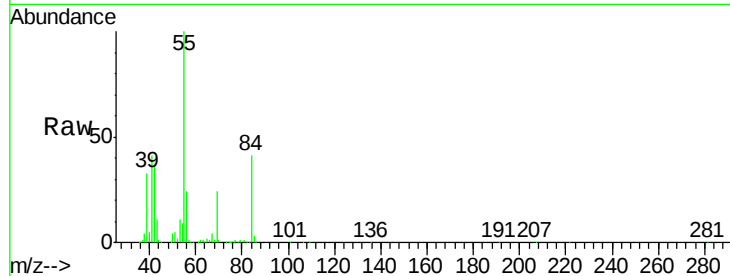
B-4B(14-15)

Tot Ion: 43 Resp: 22552

Ion Ratio Lower Upper

43 100

86 2.0 8.1 12.1#



#25

2-Butanone

Concen: 13.345 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008840.D

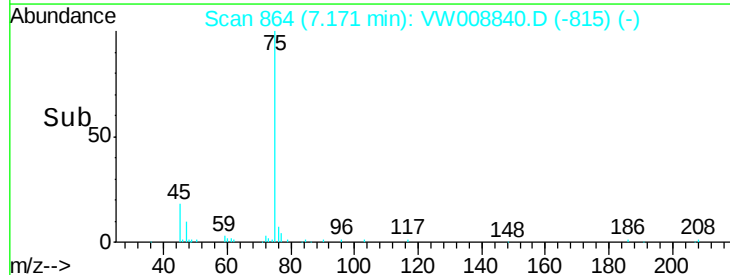
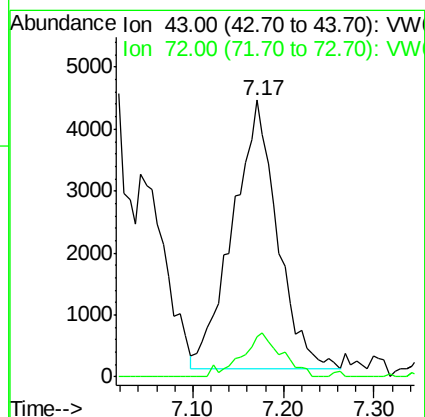
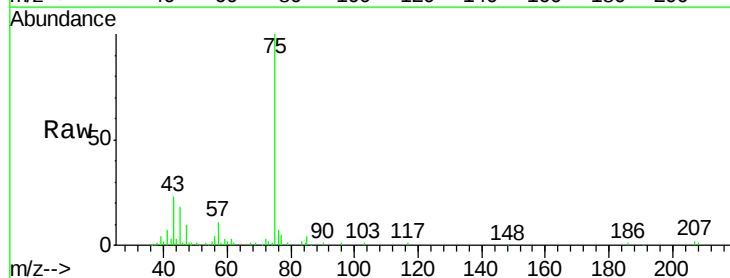
Acq: 26 Feb 2019 19:31

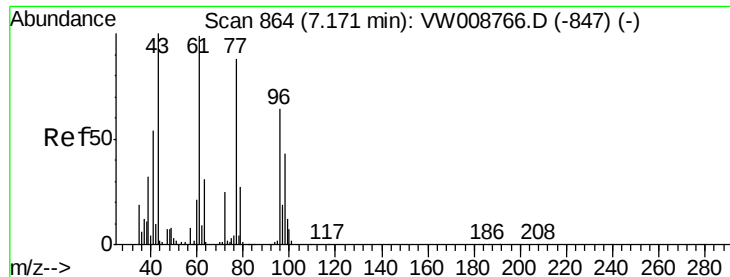
Tgt Ion: 43 Resp: 14745

Ion Ratio Lower Upper

43 100

72 14.8 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.008 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

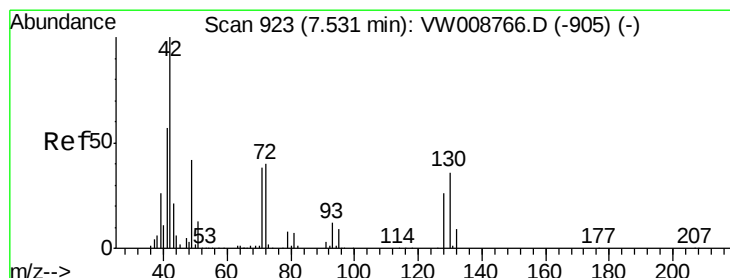
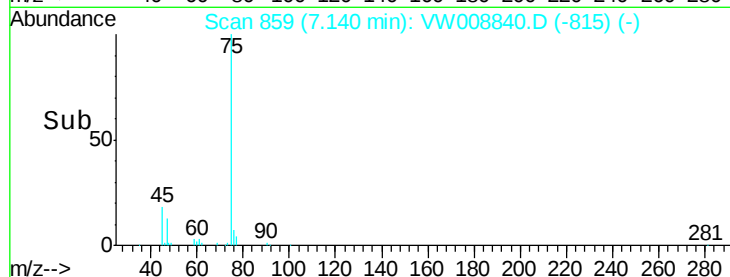
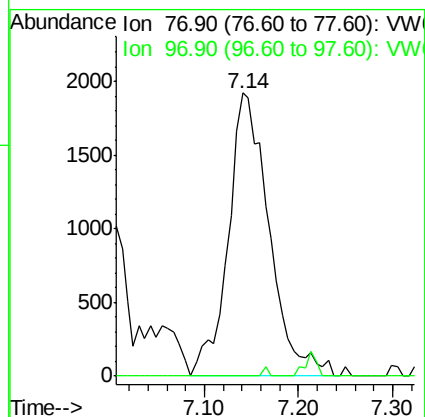
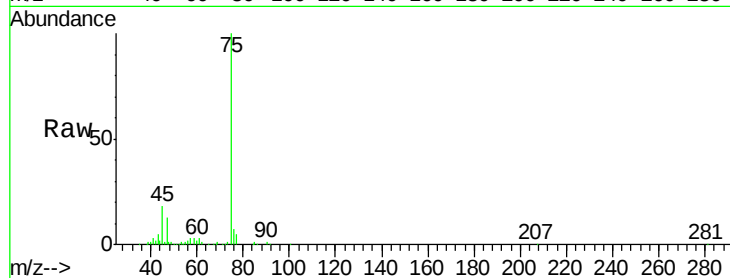
B-4B(14-15)

Tot Ion: 77 Resp: 5810

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#29

Tetrahydrofuran

Concen: 6.121 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

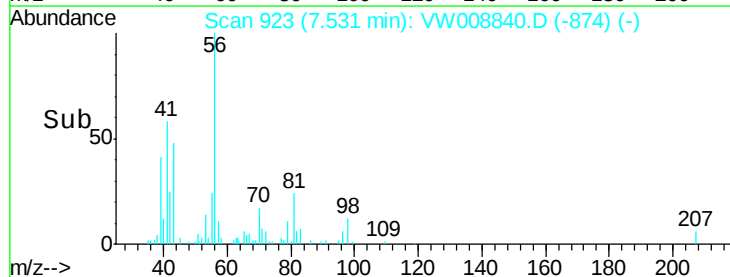
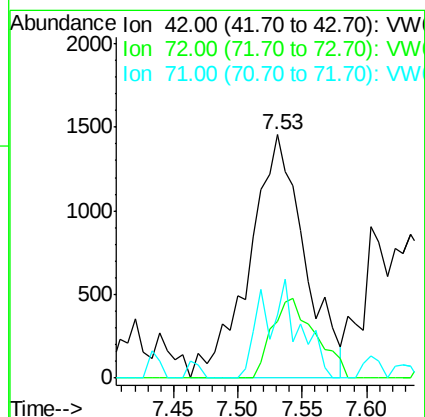
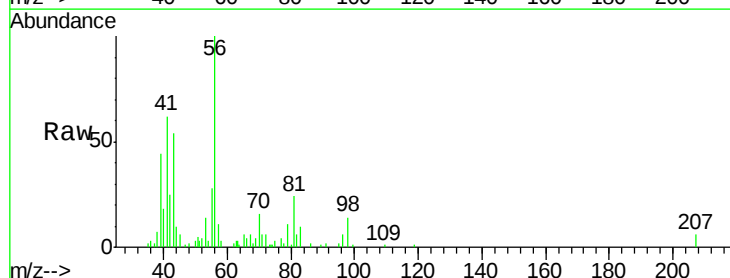
Tgt Ion: 42 Resp: 4310

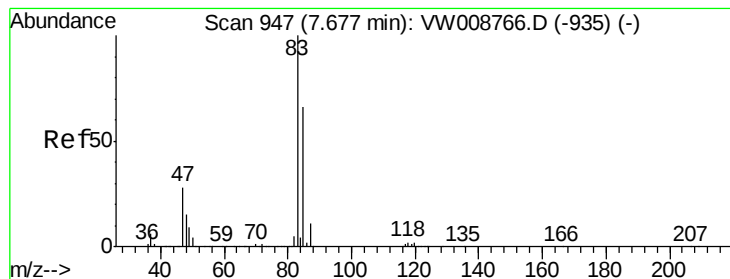
Ion Ratio Lower Upper

42 100

72 25.8 32.7 49.1#

71 0.0 31.3 46.9#





#30

Chloroform

Concen: 1.919 ug/l

RT: 7.69 min Scan# 949

Delta R.T. 0.01 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

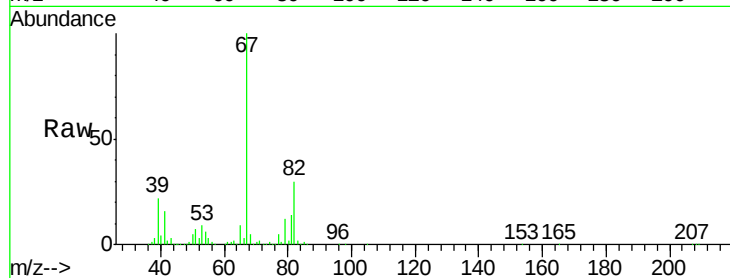
B-4B(14-15)

Tot Ion: 83 Resp: 12502

Ion Ratio Lower Upper

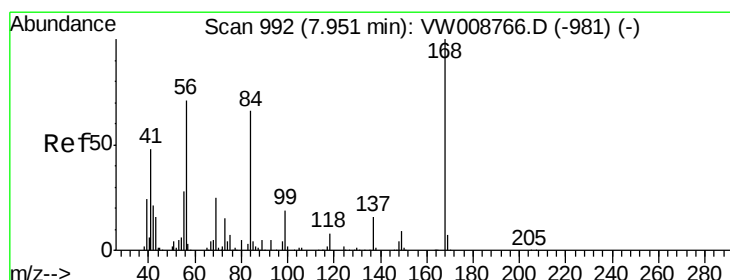
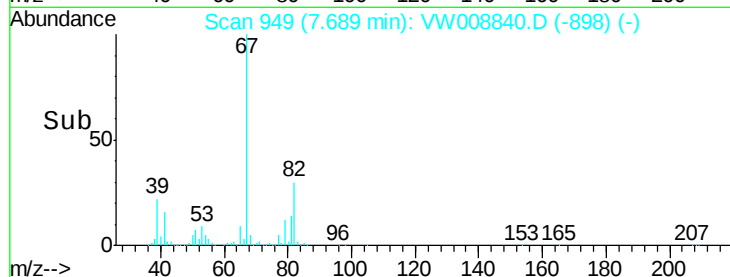
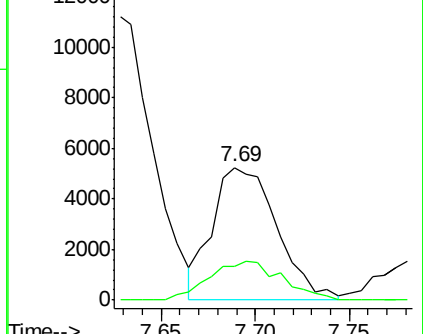
83 100

85 26.2 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW



#31

Cyclohexane

Concen: 54.877 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

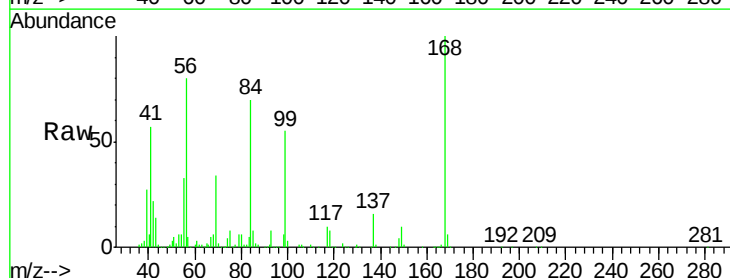
Tgt Ion: 56 Resp: 352730

Ion Ratio Lower Upper

56 100

69 40.1 28.2 42.4

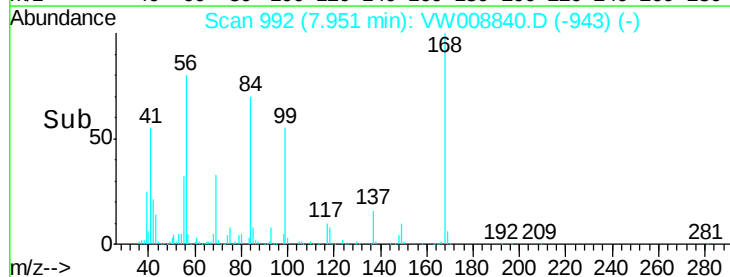
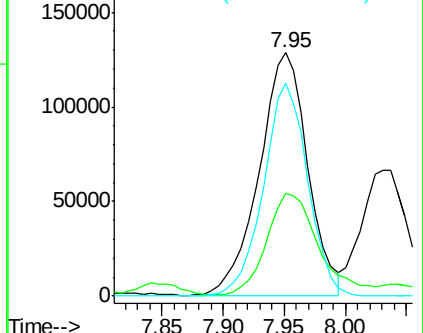
84 87.6 74.1 111.1

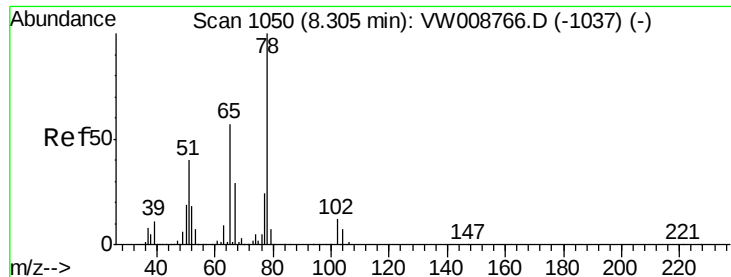


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

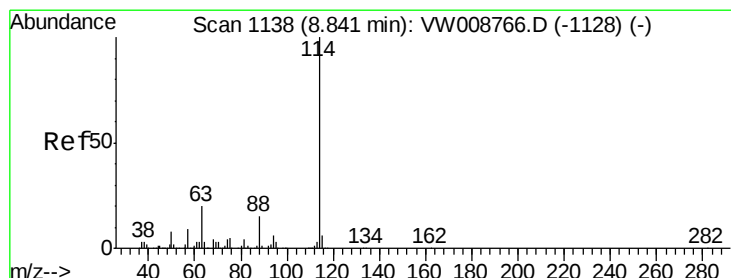
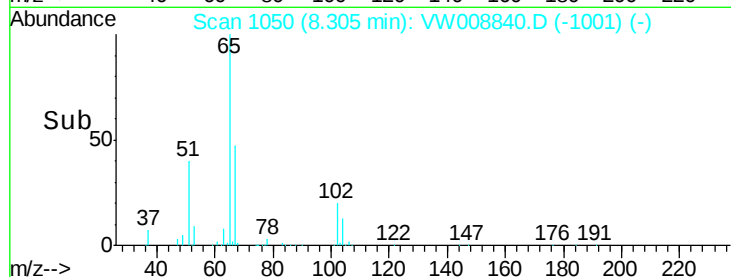
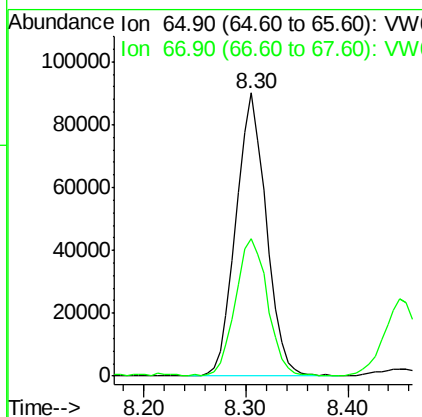
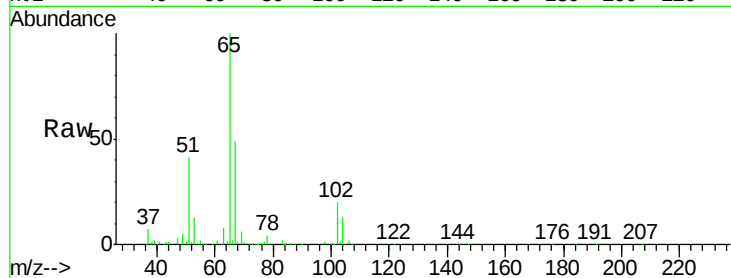




#33
 1,2-Dichloroethane-d4
 Concen: 54.482 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008840.D
 Acq: 26 Feb 2019 19:31

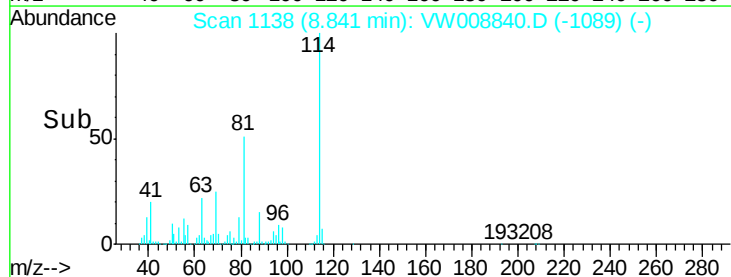
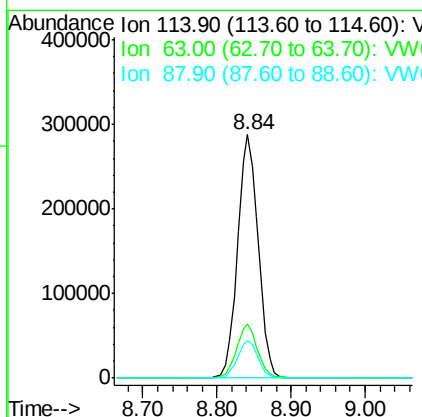
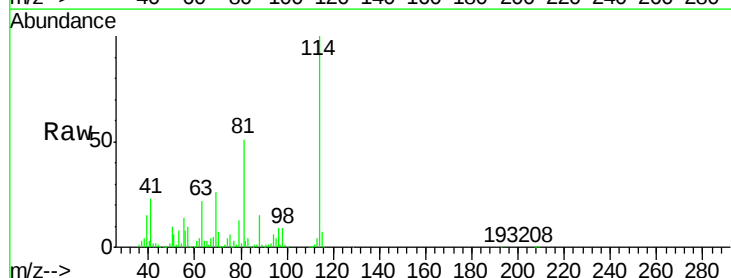
Instrument :
 MSVOA_W
 ClientSampled :
 B-4B(14-15)

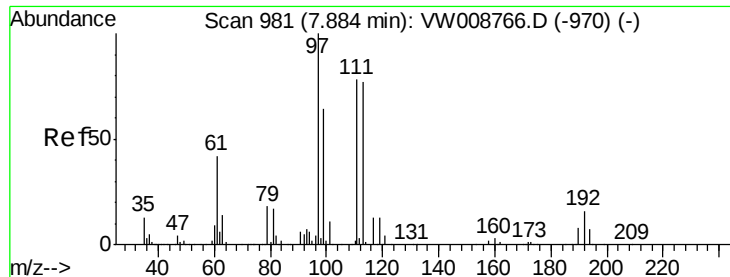
Tot Ion: 65 Resp: 185753
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008840.D
 Acq: 26 Feb 2019 19:31

Tgt Ion: 114 Resp: 556553
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 40.8
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

B-4B(14-15)

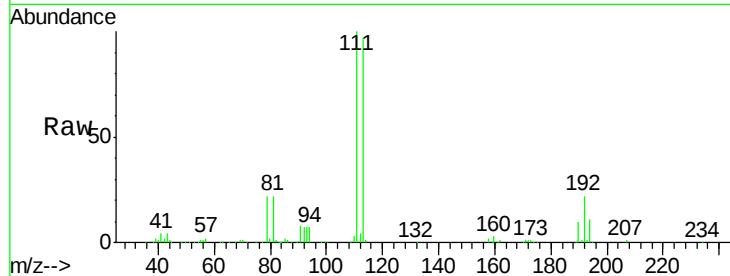
Tot Ion:113 Resp: 167027

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

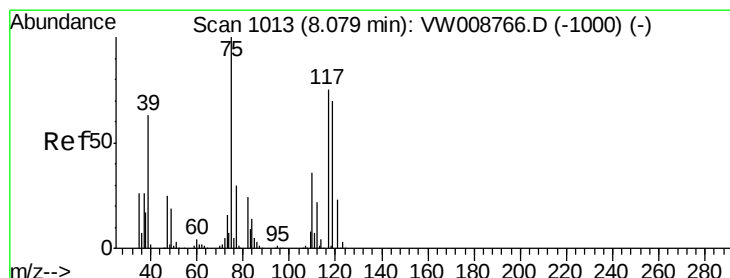
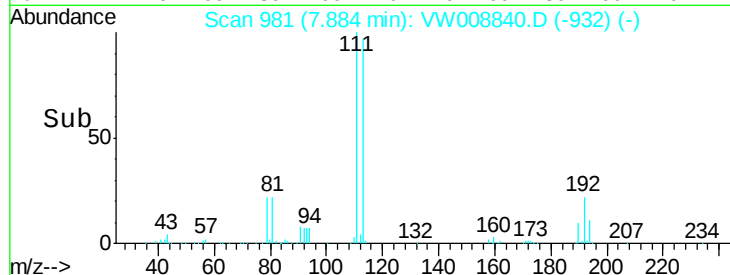
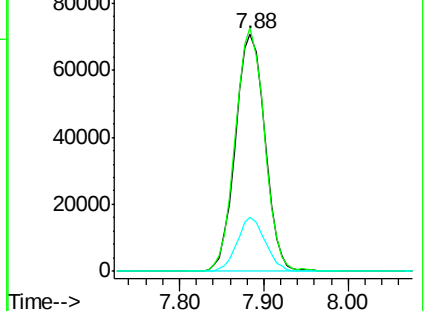
192 21.6 17.1 25.7



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: 5.137 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

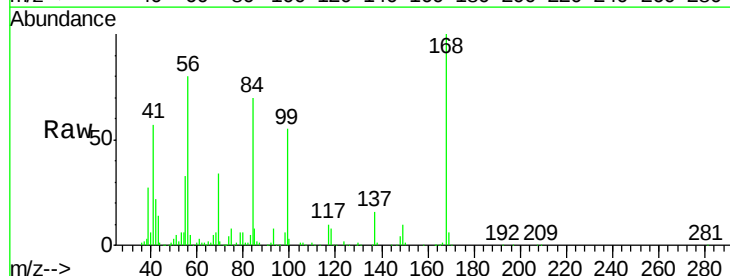
Tgt Ion: 75 Resp: 27831

Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.6#

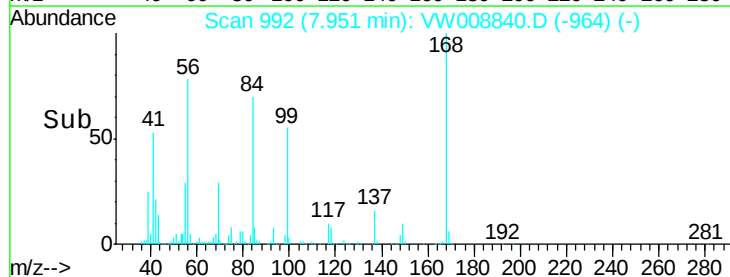
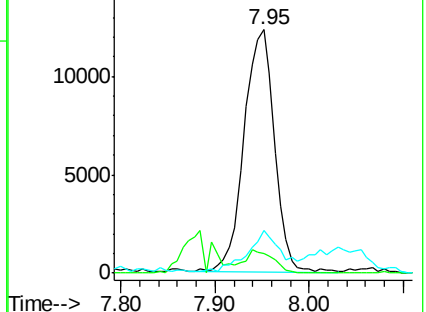
77 18.4 24.5 36.7#

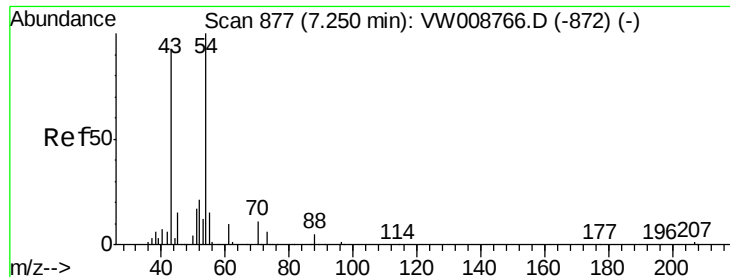


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

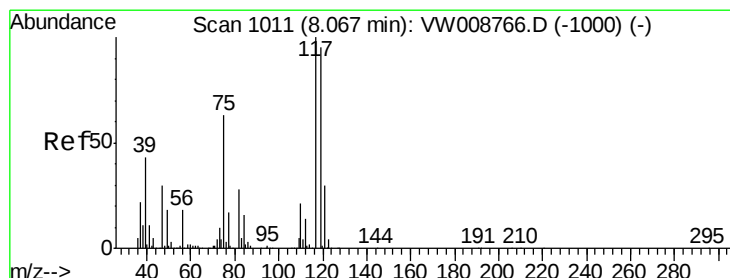
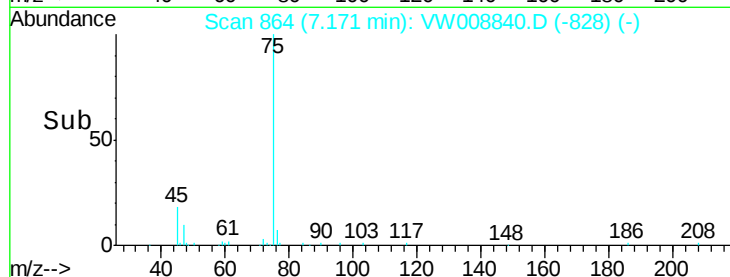
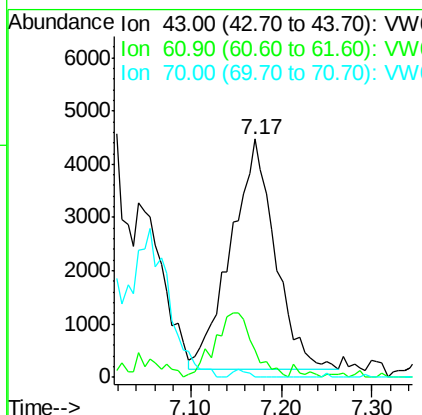
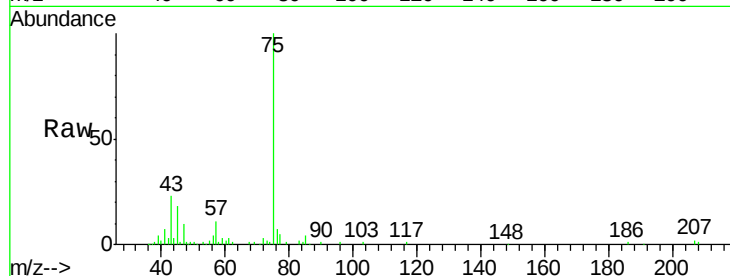




#37
Ethyl Acetate
Concen: 5.853 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

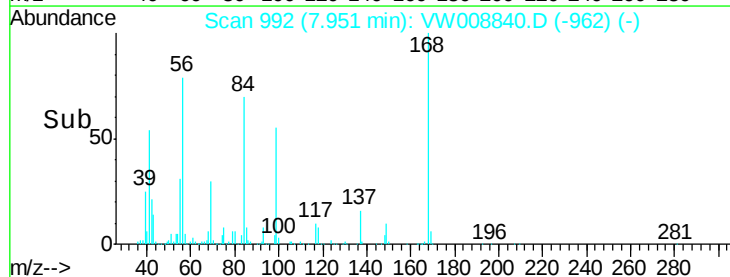
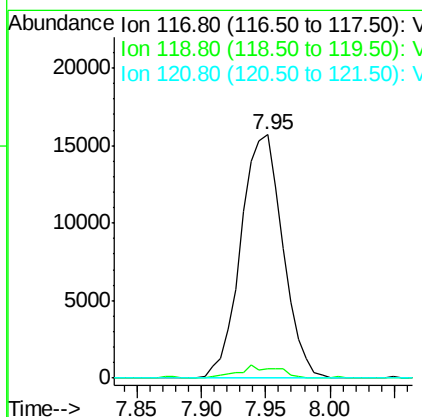
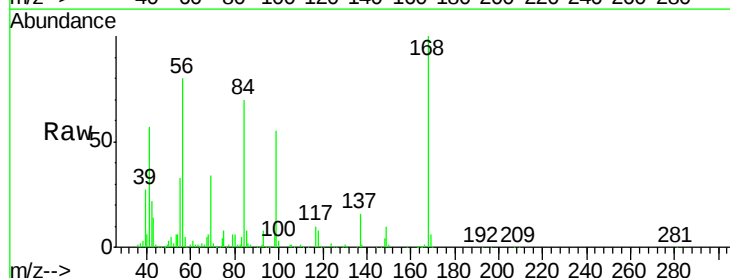
Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

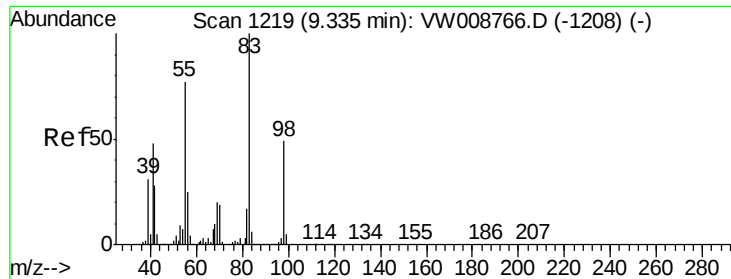
Tot Ion: 43 Resp: 14745
Ion Ratio Lower Upper
43 100
61 24.1 9.8 14.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.186 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion: 117 Resp: 35344
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.0 36.0#

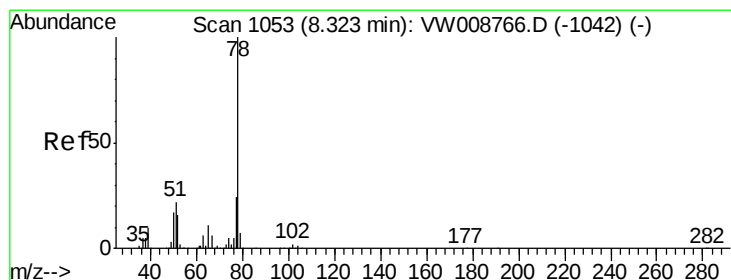
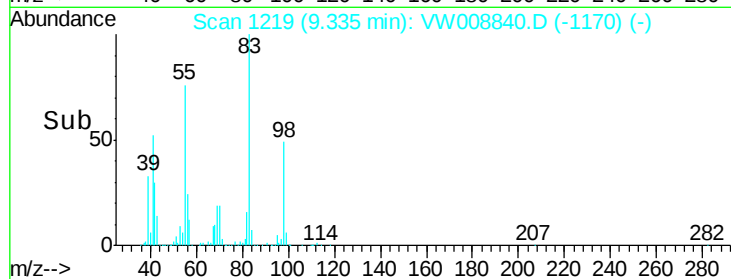
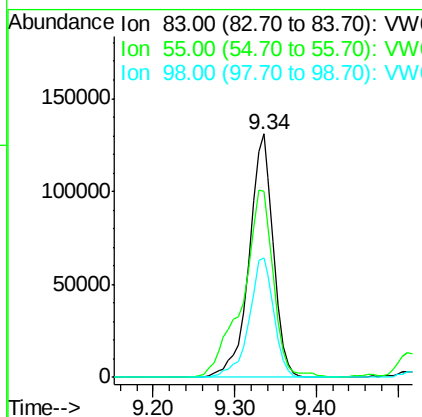
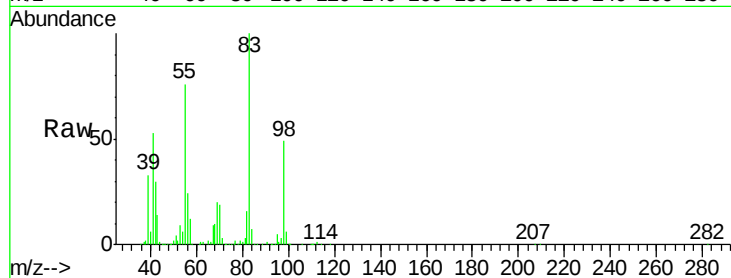




#39
Methvlcvclohexane
Concen: 40.073 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

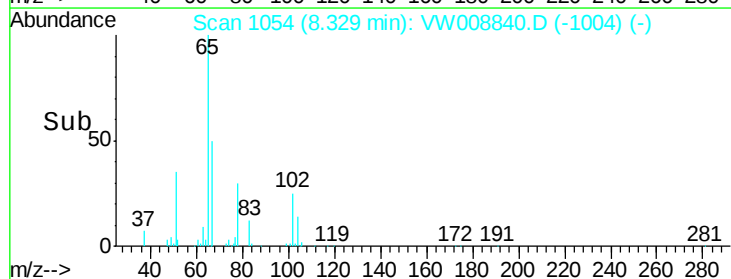
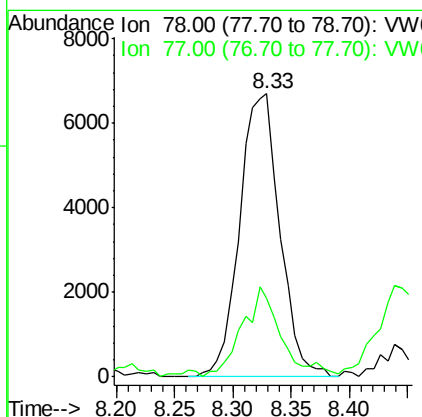
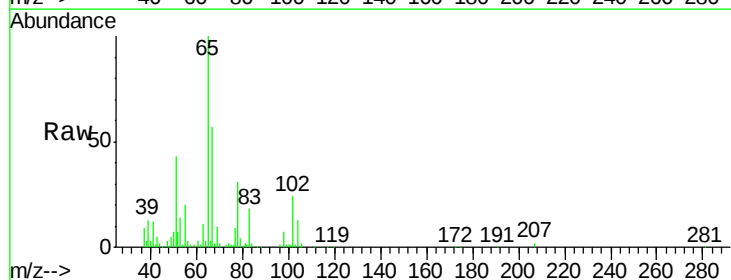
Instrument :
MSVOA_W
ClientSampled :
B-4B(14-15)

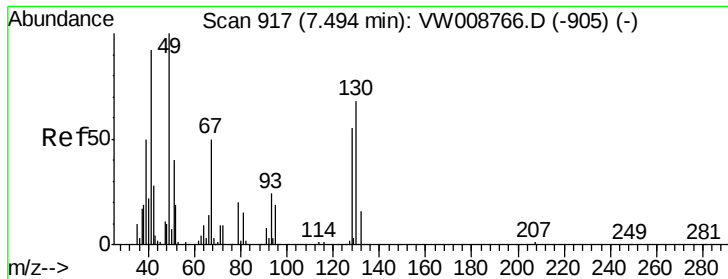
Tot Ion: 83 Resp: 270798
Ion Ratio Lower Upper
83 100
55 76.4 61.2 91.8
98 49.3 39.4 59.2



#40
Benzene
Concen: 1.091 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion: 78 Resp: 16132
Ion Ratio Lower Upper
78 100
77 26.8 19.3 28.9

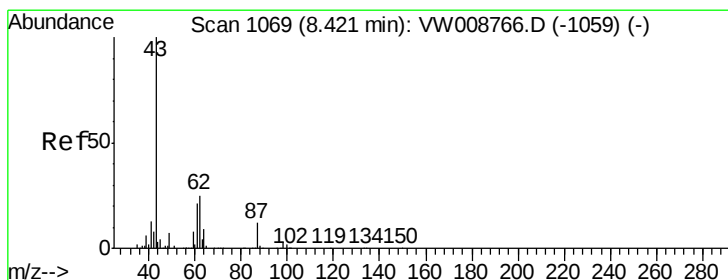
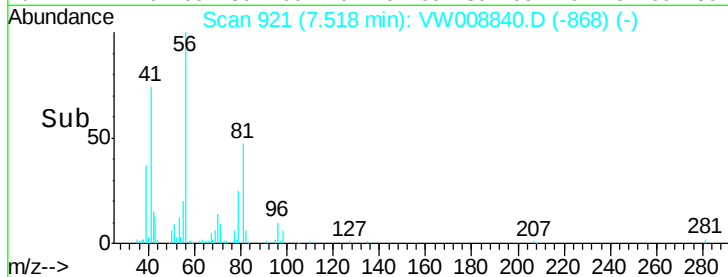
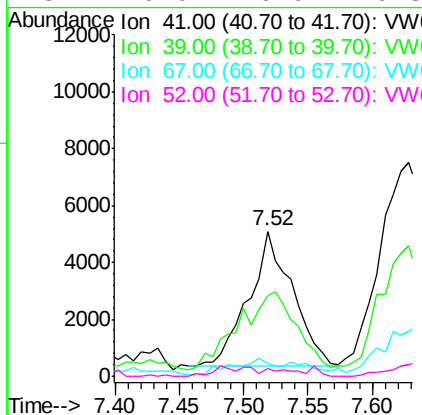
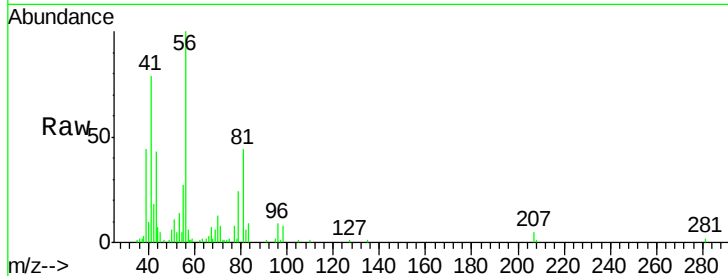




#41
Methacrylonitrile
Concen: 7.433 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.02 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

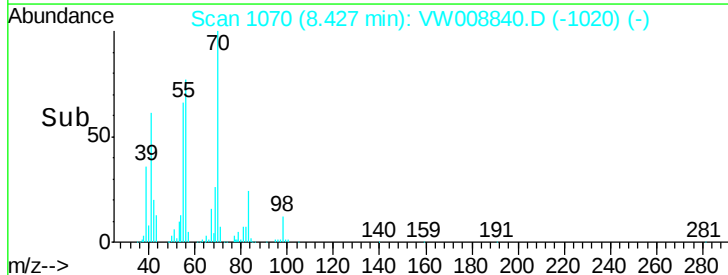
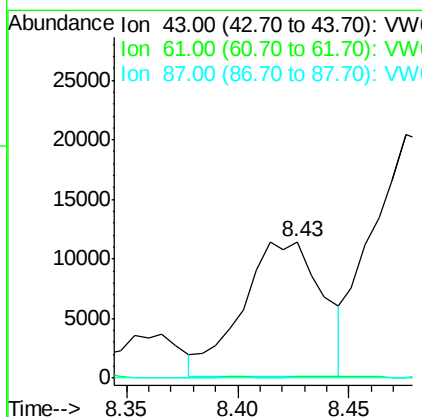
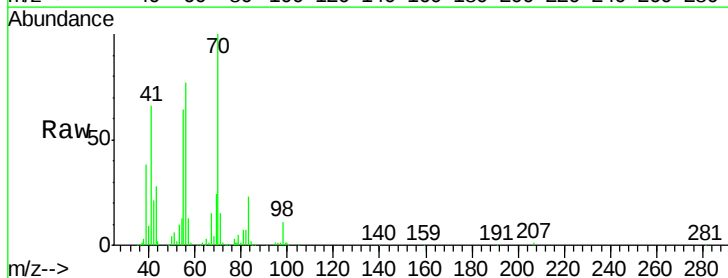
Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

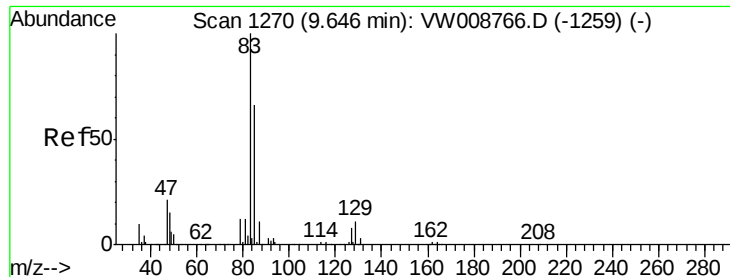
Tot Ion	Ratio	Lower	Upper
41	100		
39	77.6	52.5	78.7
67	0.0	55.0	82.6#
52	0.0	26.9	40.3#



#43
Isopropyl Acetate
Concen: 5.583 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.4	23.2	34.8#
87	0.0	9.9	14.9#





#47

Bromodichloromethane

Concen: 1.655 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

B-4B(14-15)

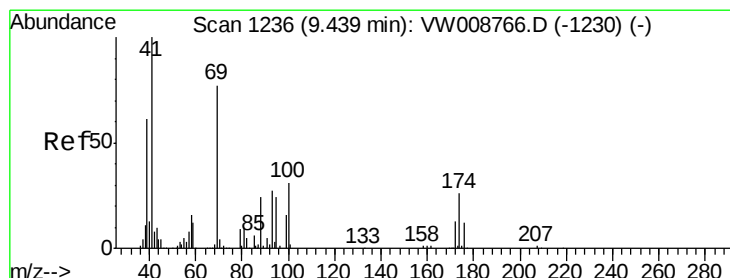
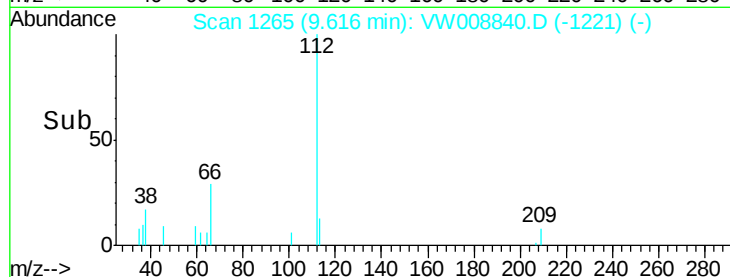
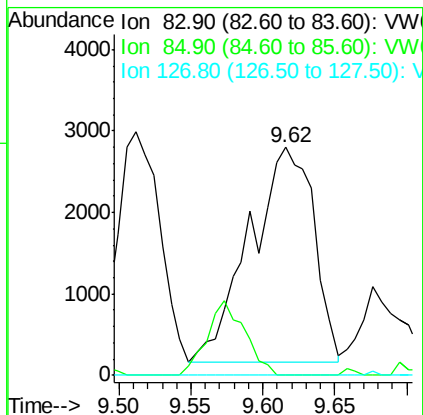
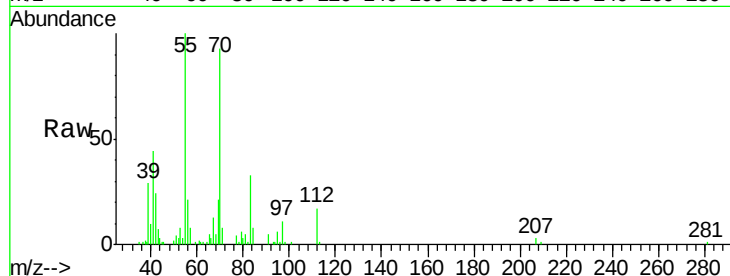
Tot Ion: 83 Resp: 8188

Ion Ratio Lower Upper

83 100

85 0.0 52.5 78.7#

127 0.0 6.7 10.1#



#48

Methyl methacrylate

Concen: 2.606 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

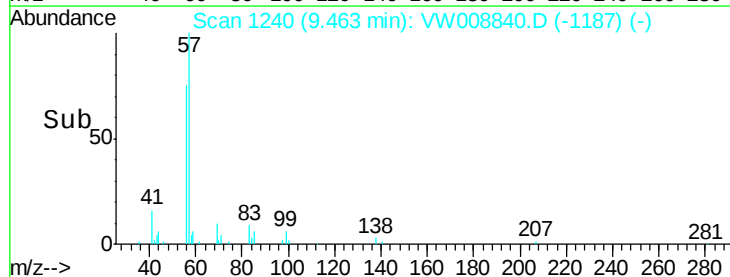
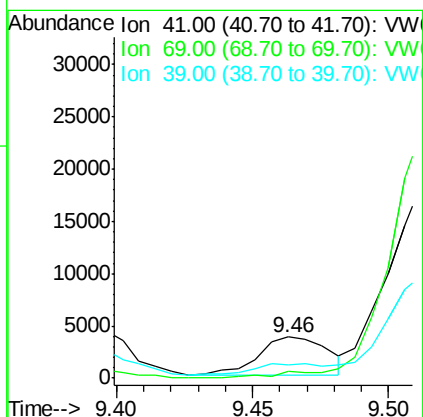
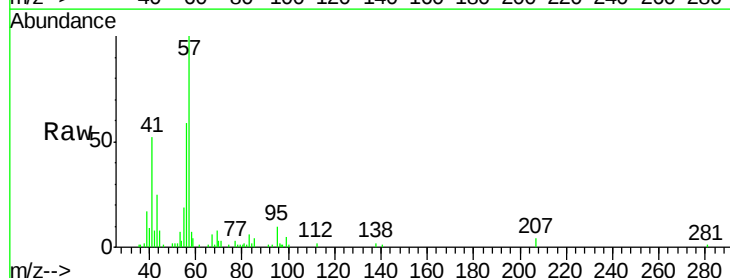
Tgt Ion: 41 Resp: 6275

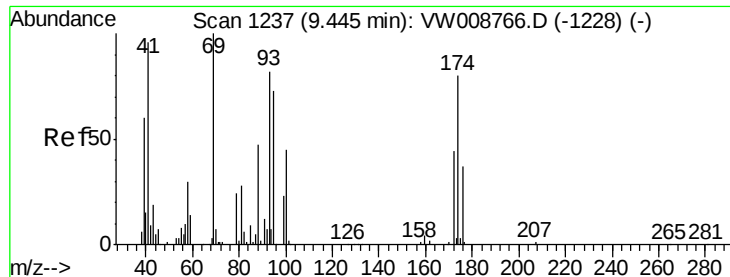
Ion Ratio Lower Upper

41 100

69 0.0 63.6 95.4#

39 0.0 52.1 78.1#





#49

1,4-Dioxane

Concen: 1.075 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.08 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

B-4B(14-15)

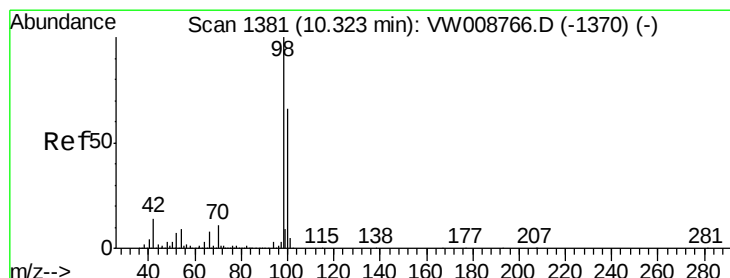
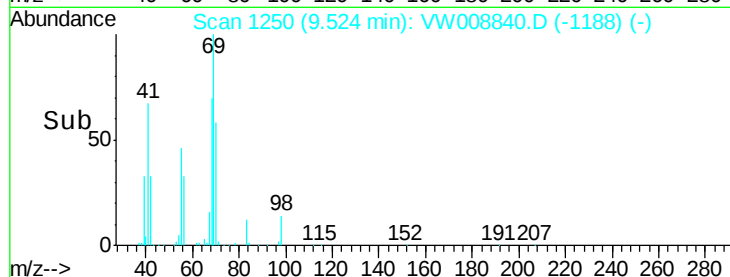
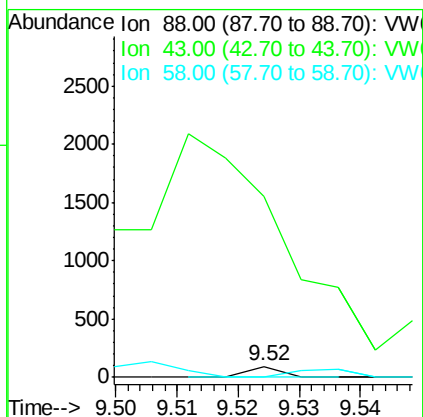
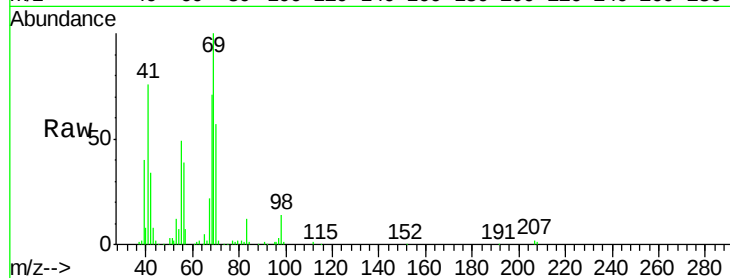
Tot Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 9108.6 29.0 43.4#

58 0.0 52.0 78.0#



#50

Toluene-d8

Concen: 51.665 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008840.D

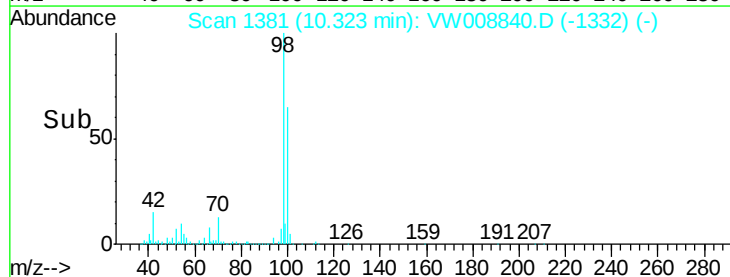
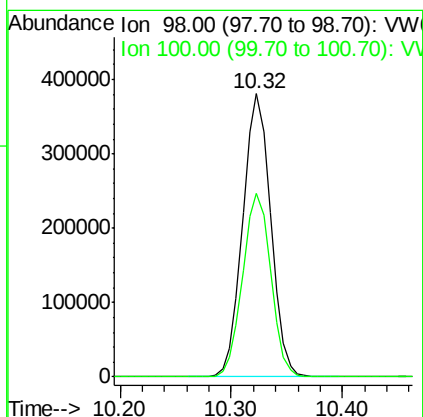
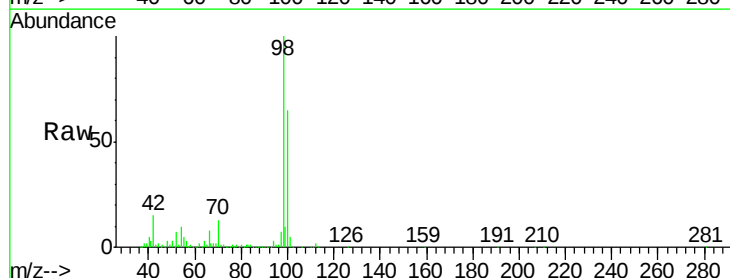
Acq: 26 Feb 2019 19:31

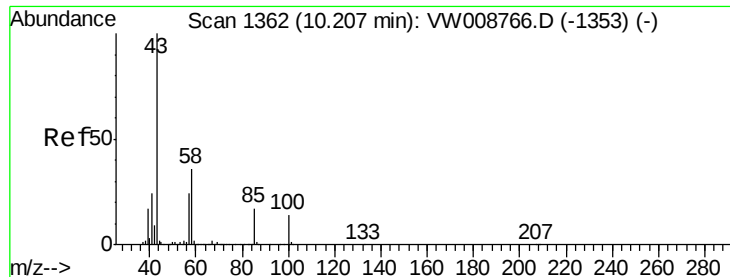
Tgt Ion: 98 Resp: 666457

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.034 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

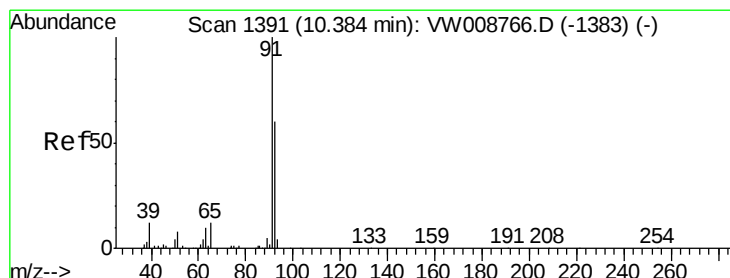
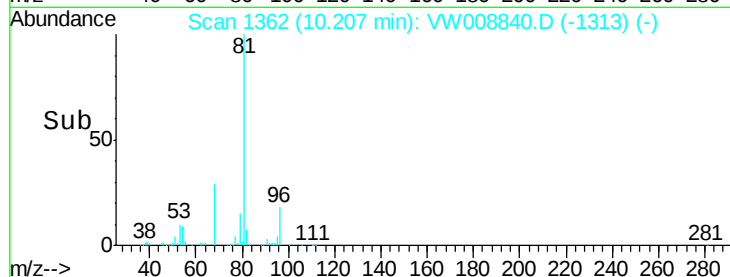
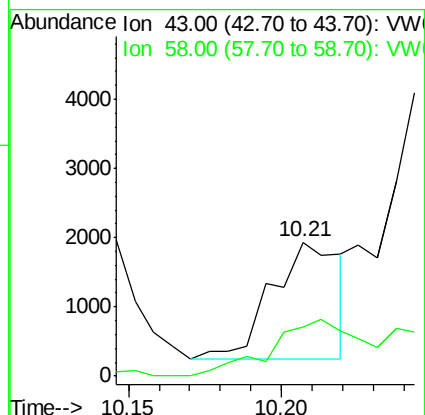
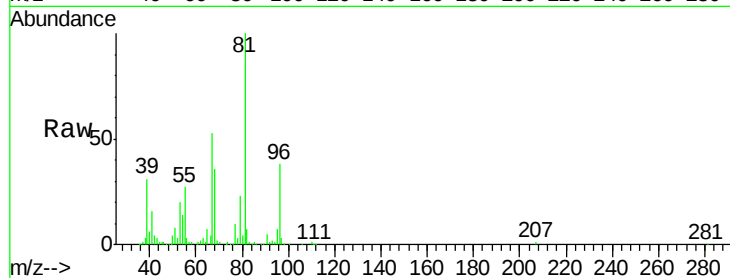
B-4B(14-15)

Tot Ion: 43 Resp: 2640

Ion Ratio Lower Upper

43 100

58 63.0 29.1 43.7#



#52

Toluene

Concen: 3.535 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008840.D

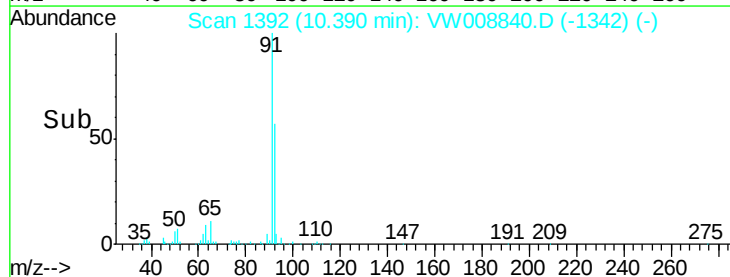
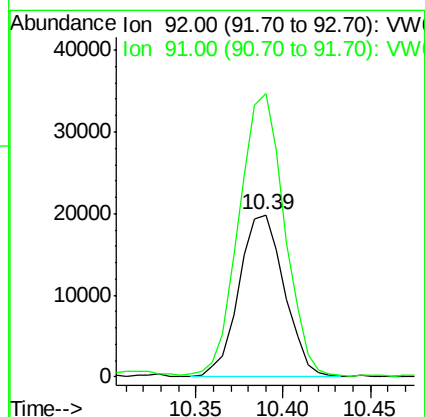
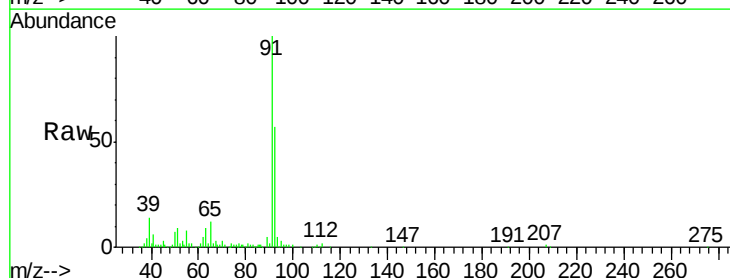
Acq: 26 Feb 2019 19:31

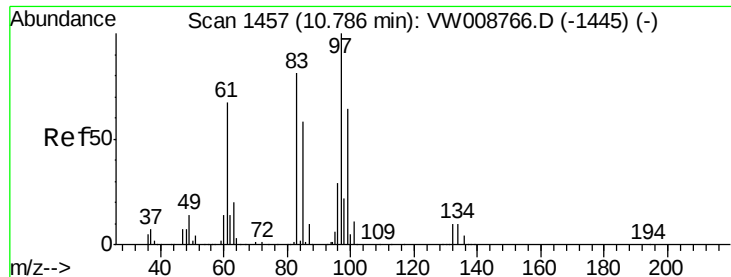
Tgt Ion: 92 Resp: 35490

Ion Ratio Lower Upper

92 100

91 176.6 136.9 205.3

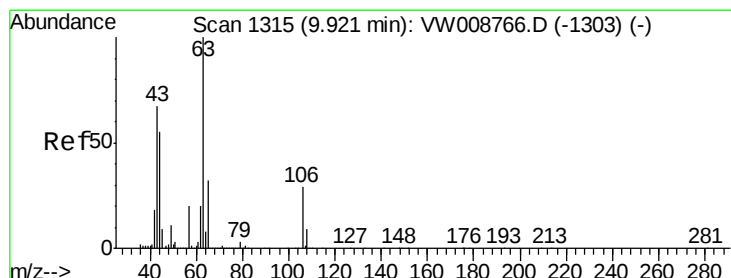
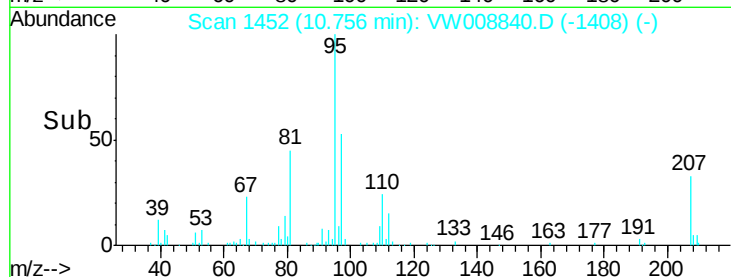
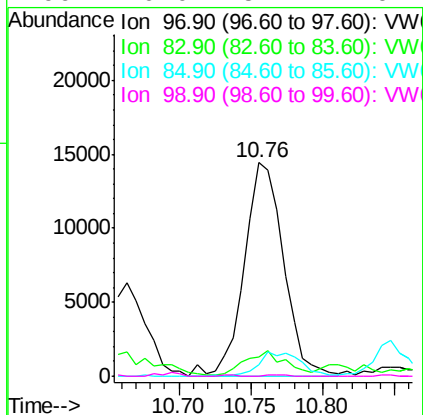
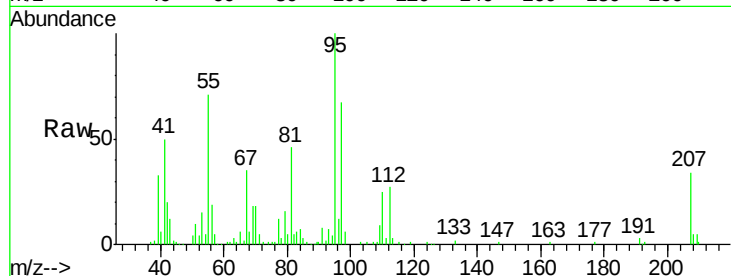




#55
 1,1,2-Trichloroethane
 Concen: 9.894 ug/l
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW008840.D
 Acq: 26 Feb 2019 19:31

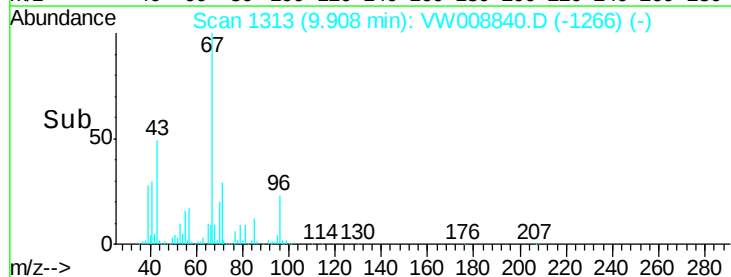
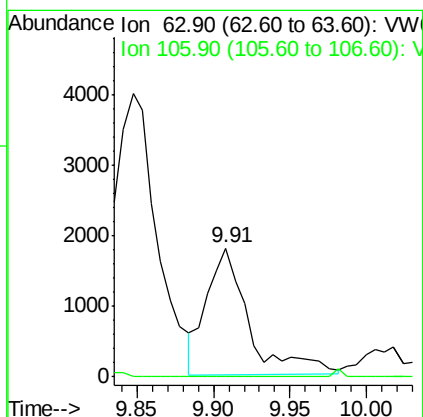
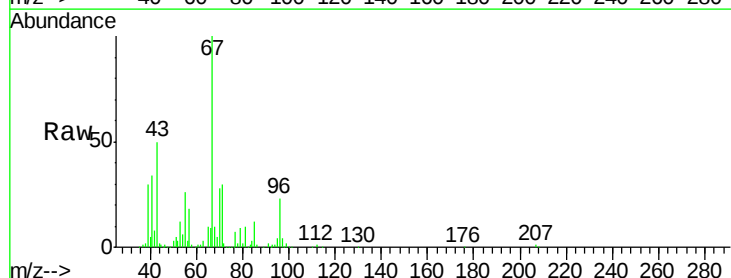
Instrument :
 MSVOA_W
 ClientSampled :
 B-4B(14-15)

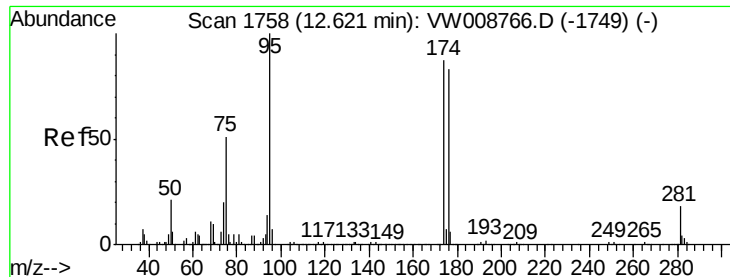
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	7.1	65.0	97.6#	
85	5.1	46.0	69.0#	
99	0.0	51.1	76.7#	



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.941 ug/l
 RT: 9.91 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VW008840.D
 Acq: 26 Feb 2019 19:31

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
106	0.0	24.0	36.0#	

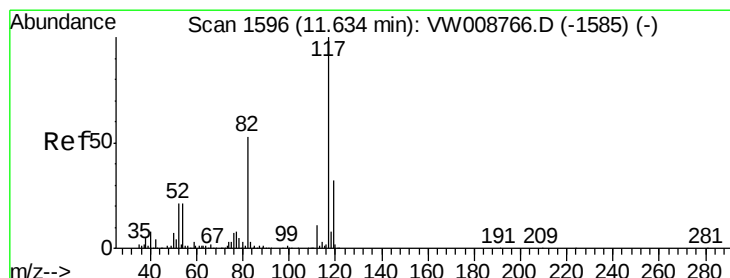
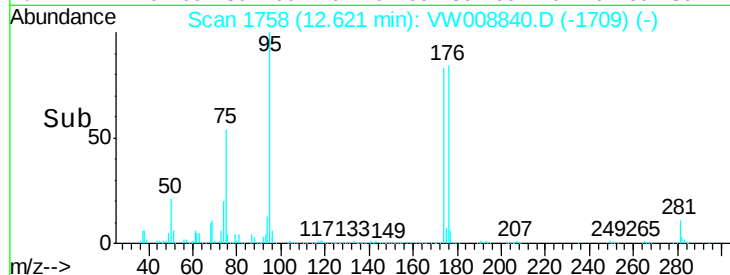
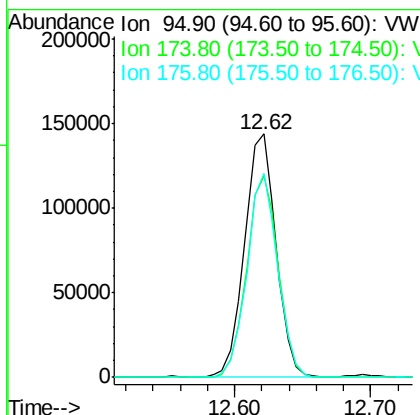
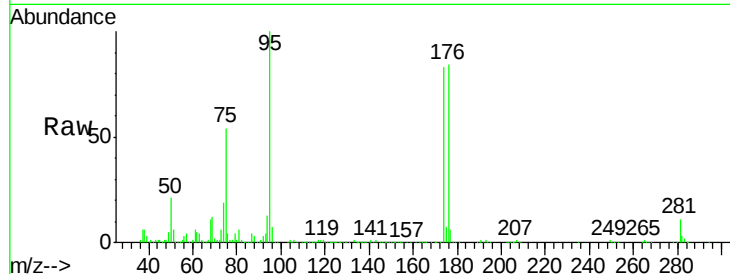




#62
4-Bromofluorobenzene
Concen: 45.764 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

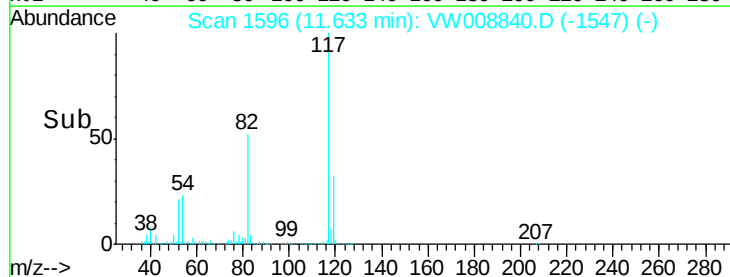
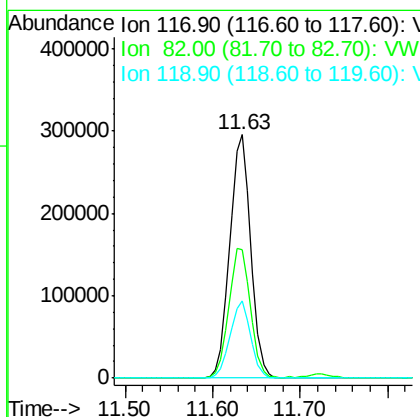
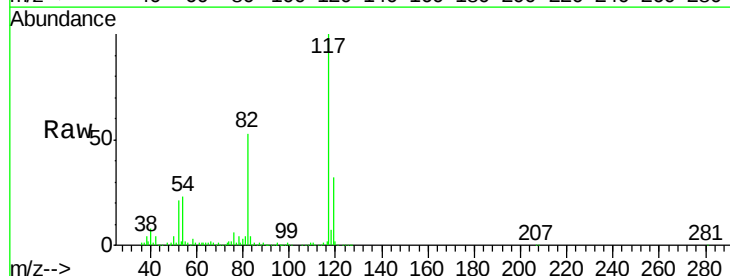
Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

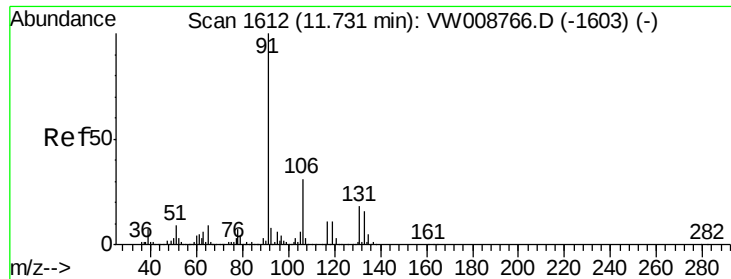
Tot Ion	95	Resp	231143
Ion Ratio	Lower	Upper	
95	100		
174	83.9	0.0	169.2
176	82.1	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion	117	Resp	493111
Ion Ratio	Lower	Upper	
117	100		
82	52.3	42.2	63.4
119	31.9	25.9	38.9

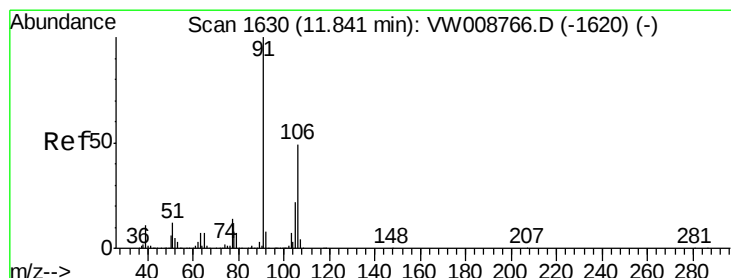
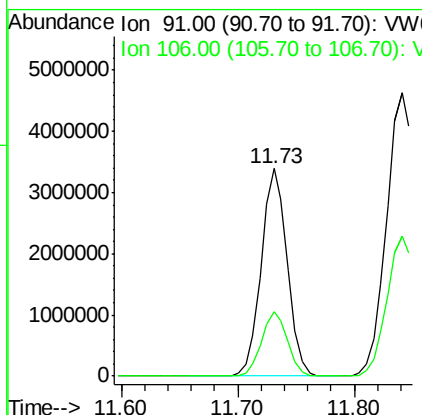
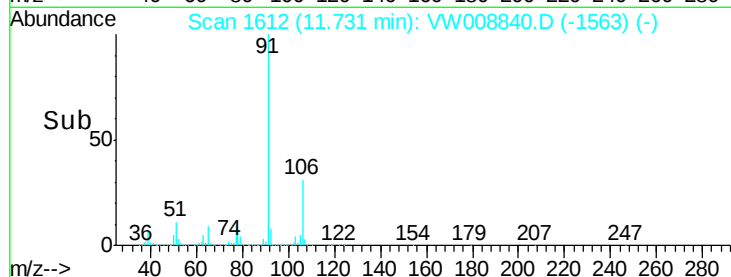
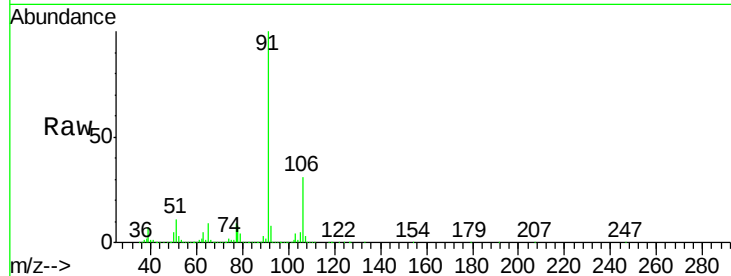




#67
Ethyl Benzene
Concen: 283.574 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

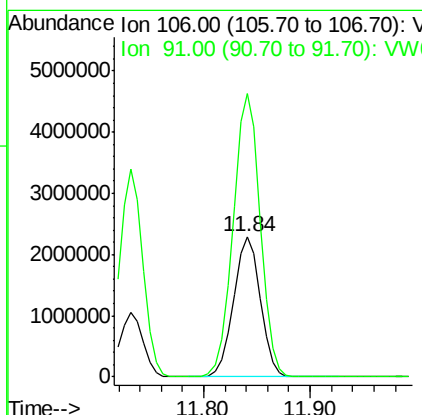
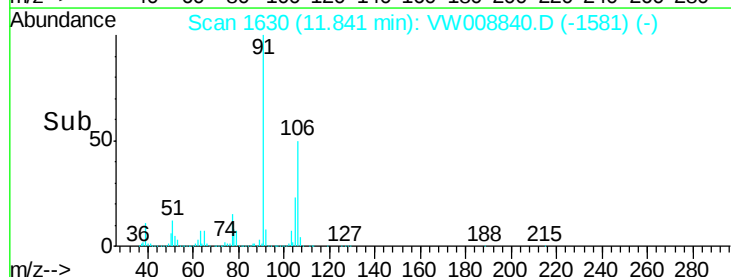
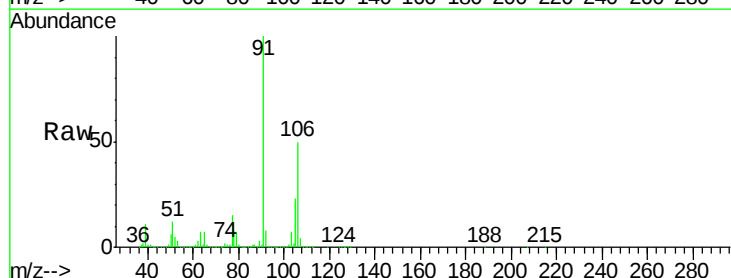
Instrument :
MSVOA_W
ClientSampled :
B-4B(14-15)

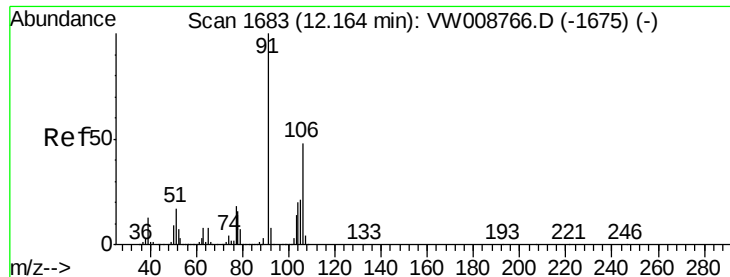
Tot Ion: 91 Resp: 5256241
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 545.712 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion: 106 Resp: 4041522
Ion Ratio Lower Upper
106 100
91 203.4 161.5 242.3

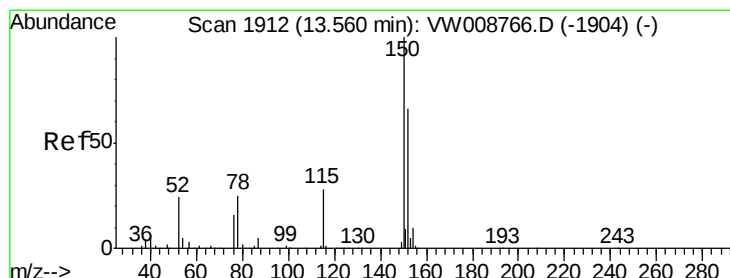
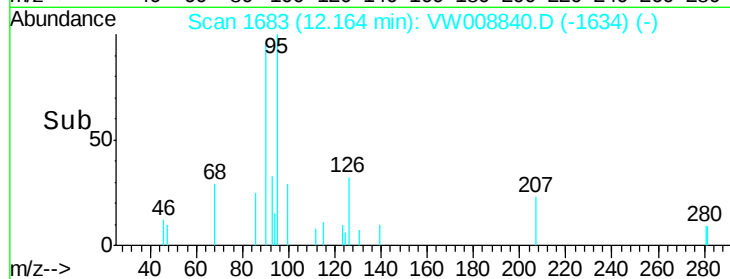
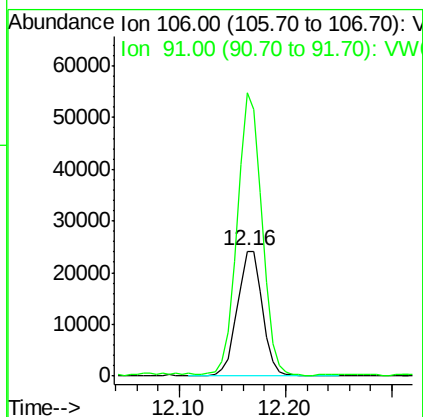
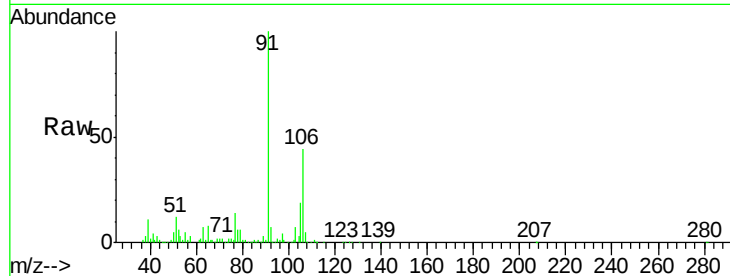




#69
o-Xylene
Concen: 5.793 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

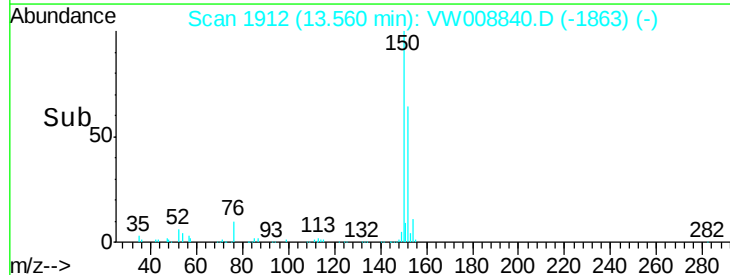
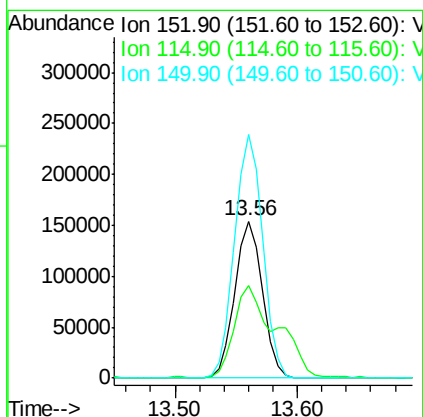
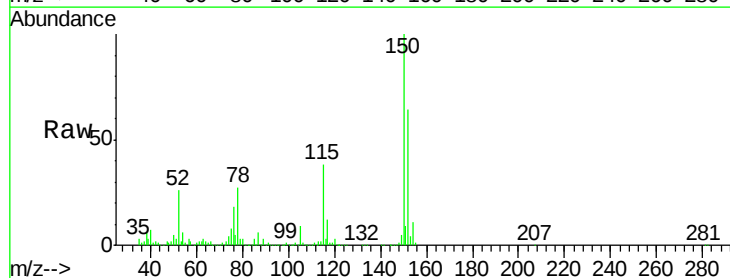
Instrument :
MSVOA_W
ClientSampled :
B-4B(14-15)

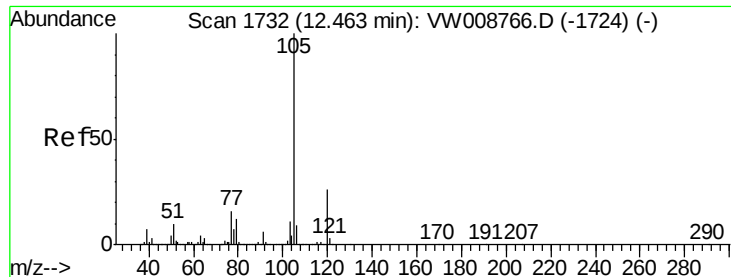
Tot Ion:106 Resp: 40270
Ion Ratio Lower Upper
106 100
91 222.0 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008840.D
Acq: 26 Feb 2019 19:31

Tgt Ion:152 Resp: 240574
Ion Ratio Lower Upper
152 100
115 90.8 28.6 85.8#
150 158.0 0.0 348.0





#73

Isopropylbenzene

Concen: 27.536 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

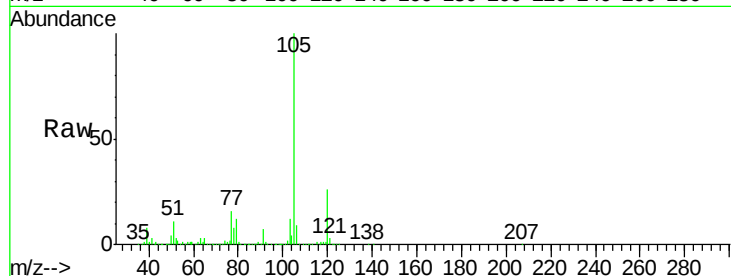
B-4B(14-15)

Tot Ion:105 Resp: 454132

Ion Ratio Lower Upper

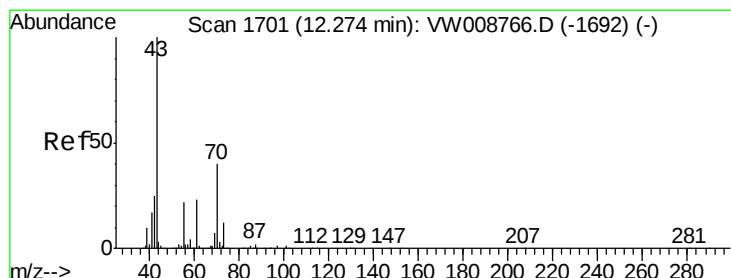
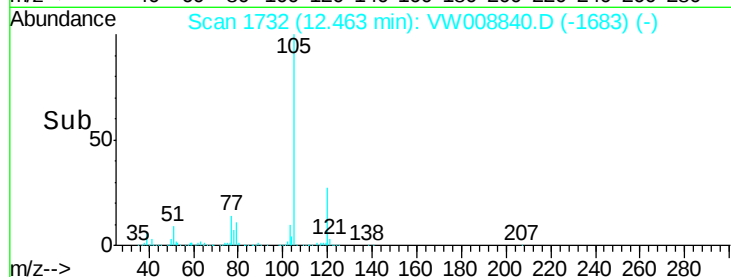
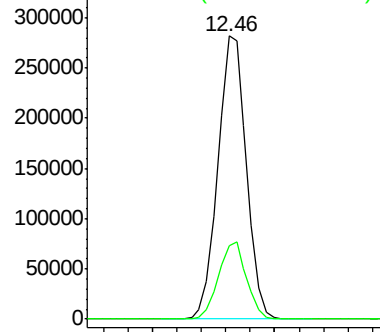
105 100

120 26.7 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-ethyl acetate

Concen: 1.515 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Tgt Ion: 43 Resp: 6292

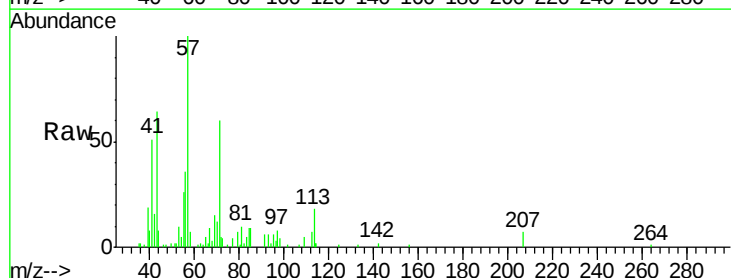
Ion Ratio Lower Upper

43 100

70 19.6 31.0 46.6#

55 0.0 18.7 28.1#

61 0.0 18.1 27.1#

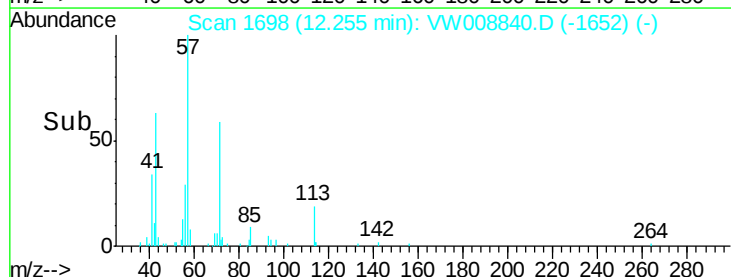
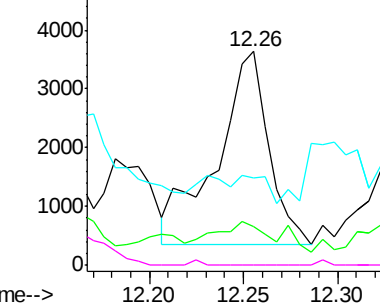


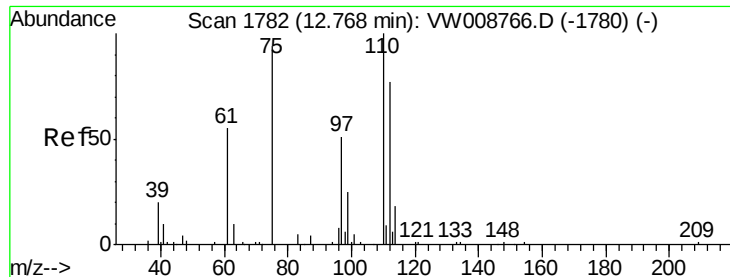
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#76

1,2,3-Trichloropropane

Concen: 4.906 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

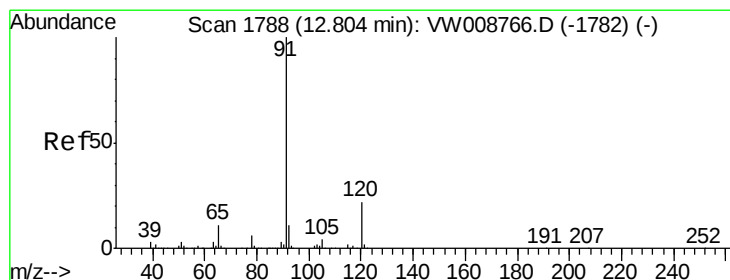
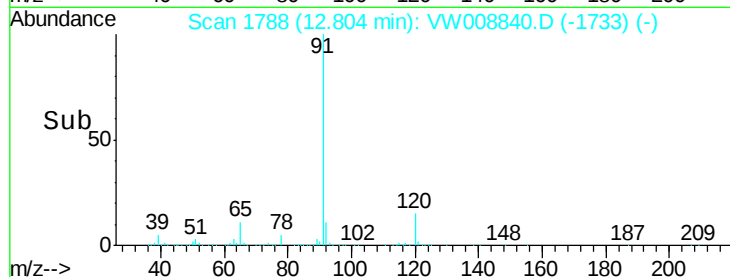
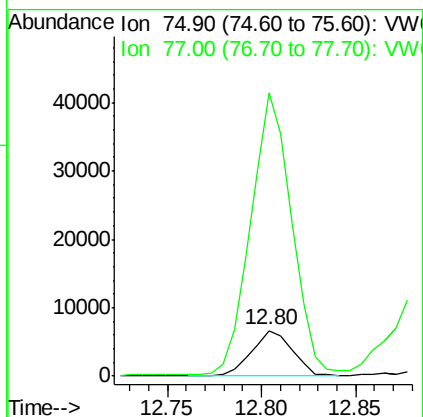
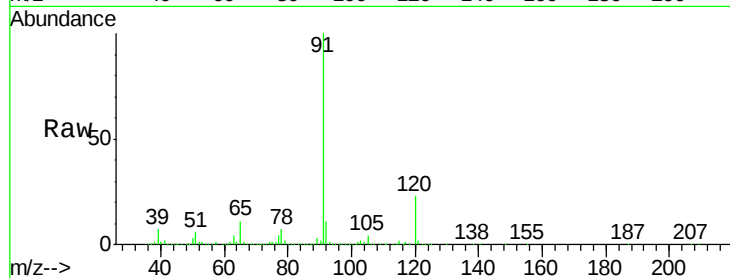
B-4B(14-15)

Tot Ion: 75 Resp: 9744

Ion Ratio Lower Upper

75 100

77 635.7 0.0 0.0#



#78

n-propylbenzene

Concen: 72.364 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008840.D

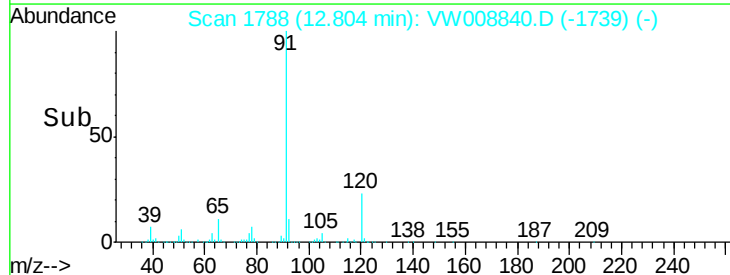
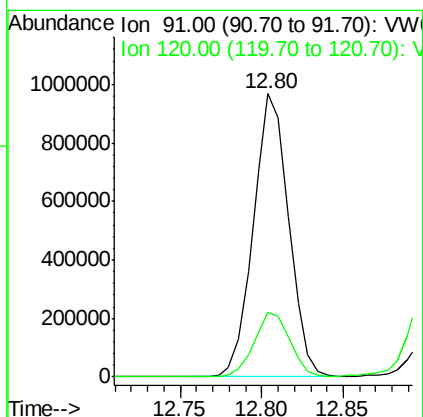
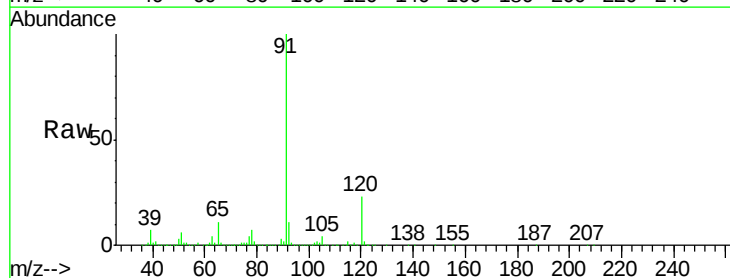
Acq: 26 Feb 2019 19:31

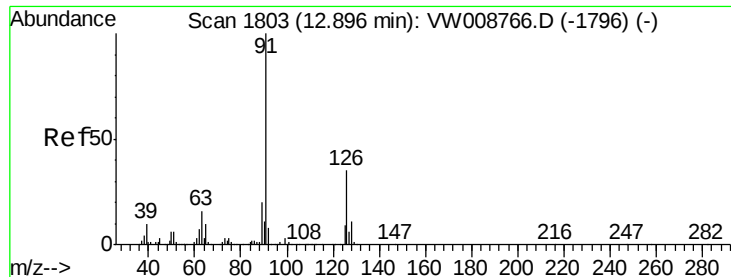
Tgt Ion: 91 Resp: 1459864

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 18.124 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

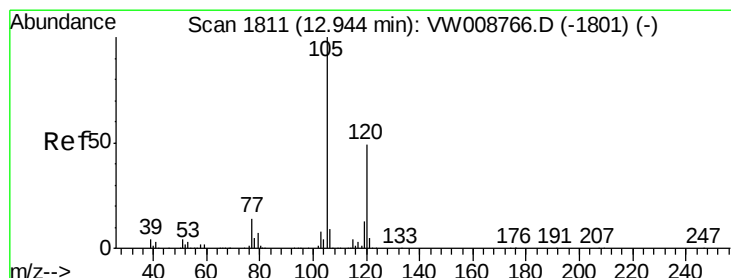
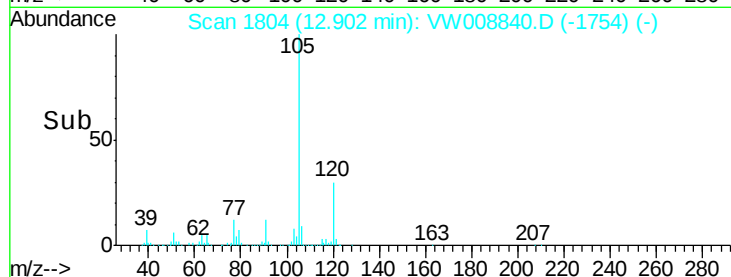
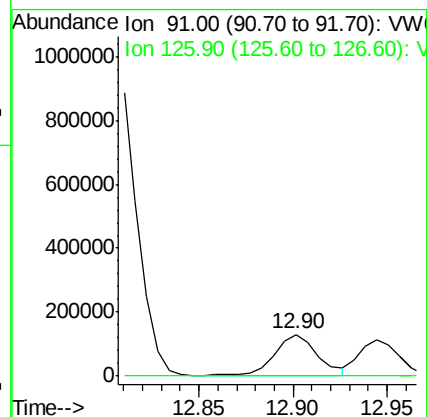
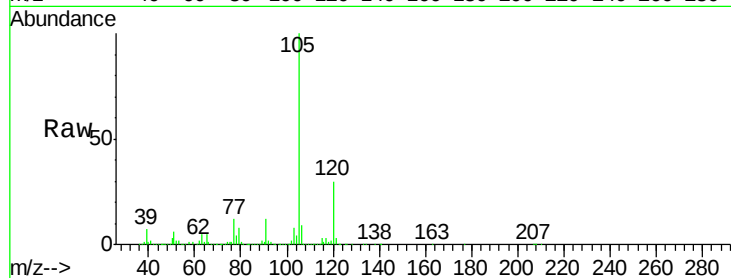
B-4B(14-15)

Tot Ion: 91 Resp: 207588

Ion Ratio Lower Upper

91 100

126 0.2 17.0 51.0#



#80

1,3,5-Trimethylbenzene

Concen: 101.960 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008840.D

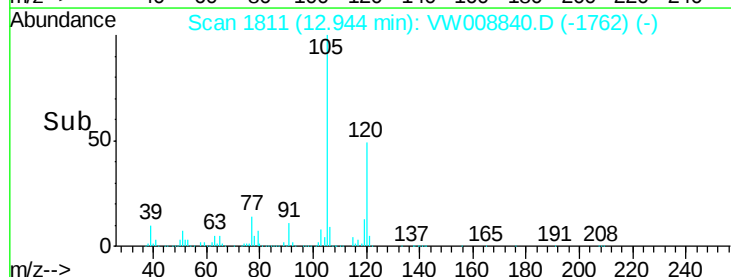
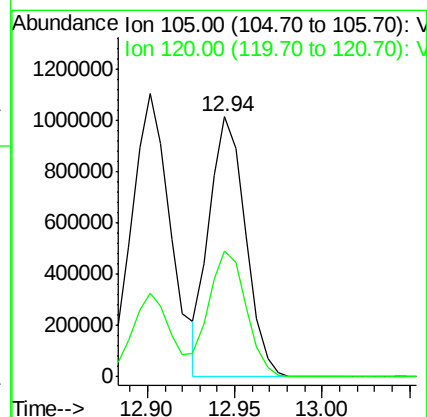
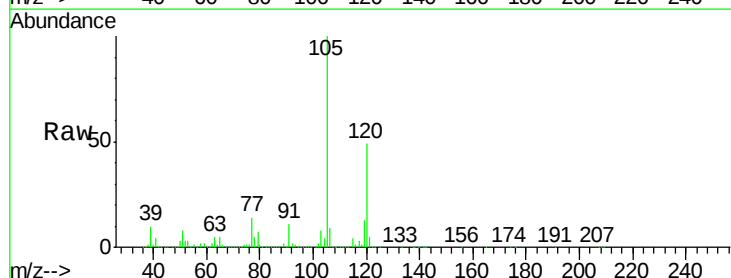
Acq: 26 Feb 2019 19:31

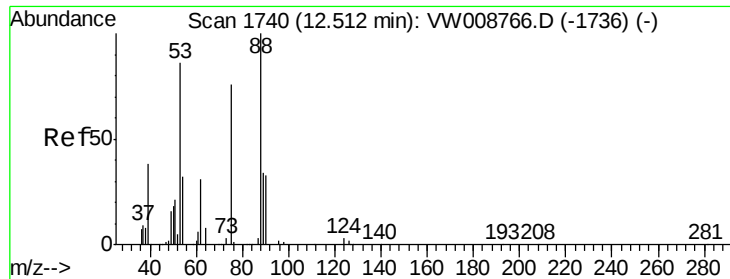
Tgt Ion:105 Resp: 1461312

Ion Ratio Lower Upper

105 100

120 51.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 7.941 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

B-4B(14-15)

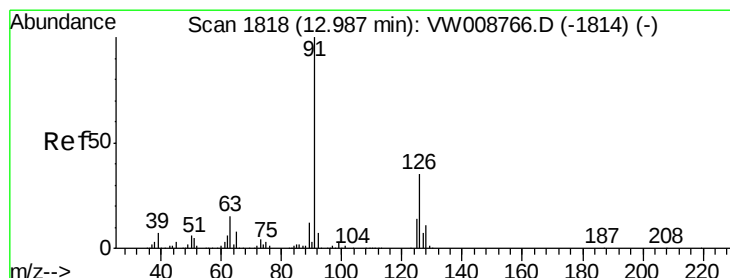
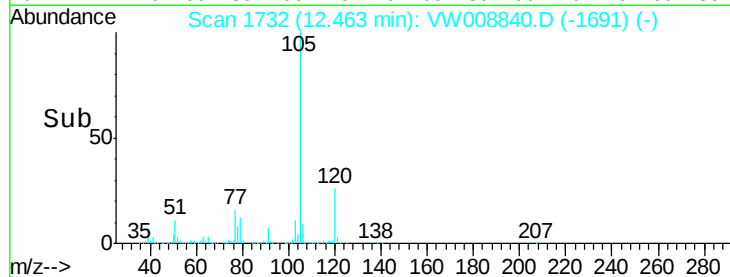
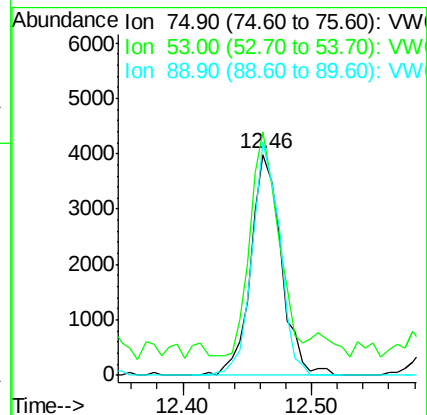
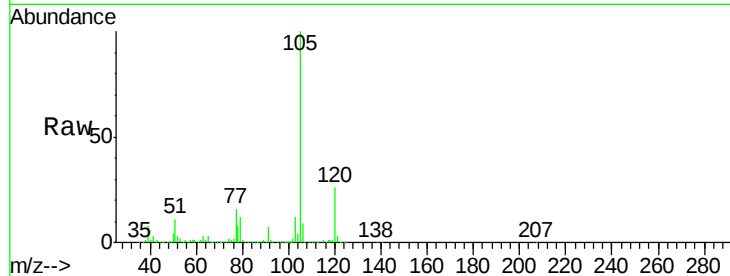
Tot Ion: 75 Resp: 6488

Ion Ratio Lower Upper

75 100

53 94.0 88.2 132.2

89 95.7 39.5 59.3#



#82

4-Chlorotoluene

Concen: 13.622 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW008840.D

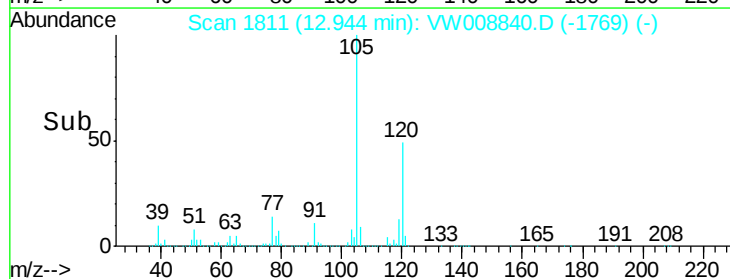
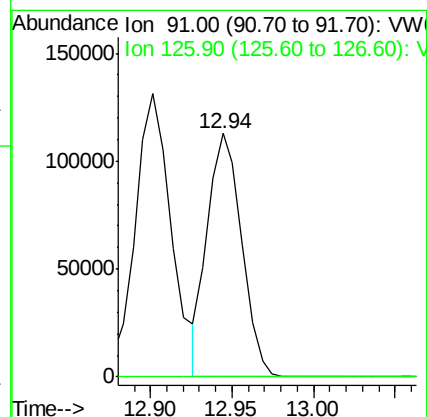
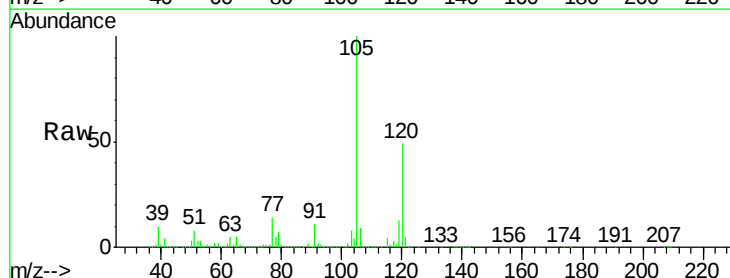
Acq: 26 Feb 2019 19:31

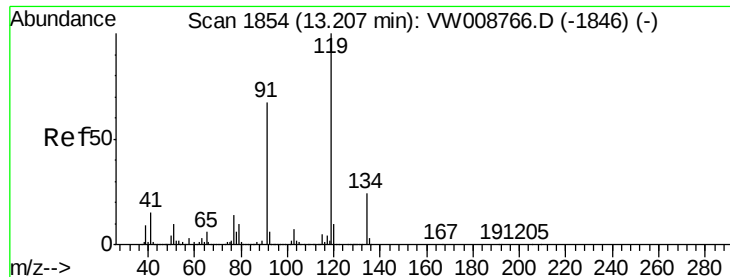
Tgt Ion: 91 Resp: 164423

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#

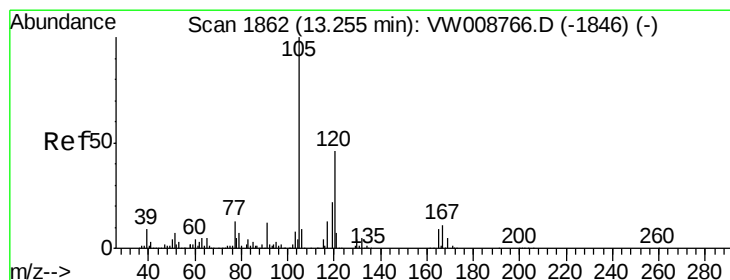
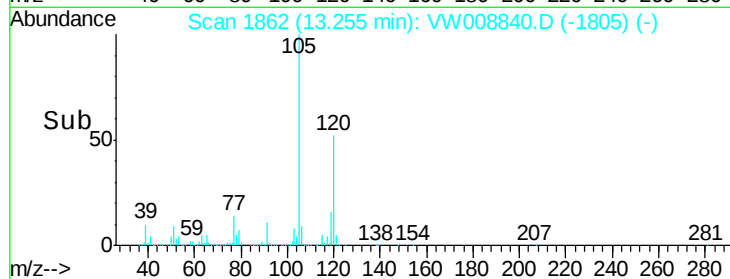
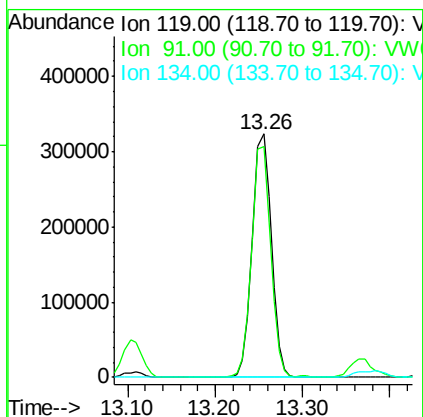
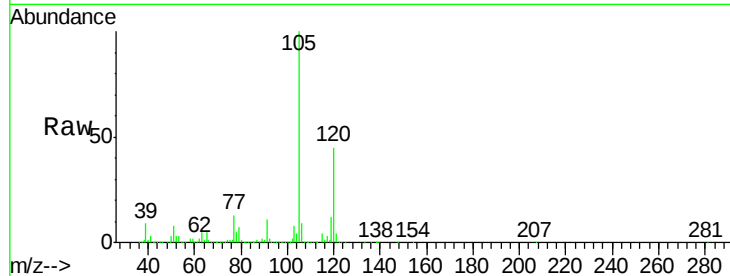




#83
 tert-Butylbenzene
 Concen: 39.767 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.05 min
 Lab File: VW008840.D
 Acq: 26 Feb 2019 19:31

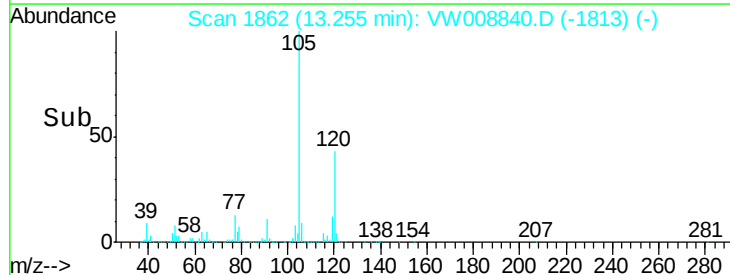
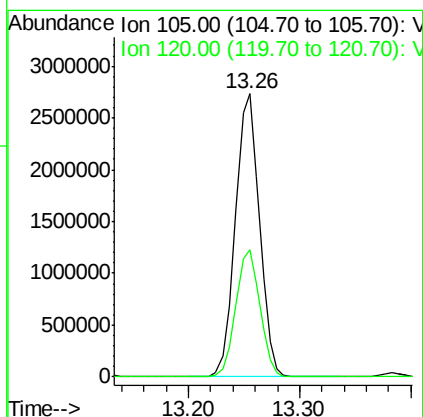
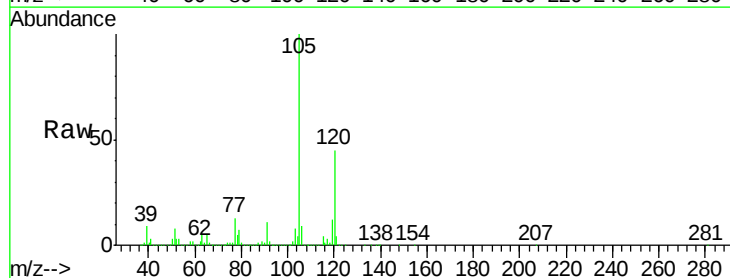
Instrument :
 MSVOA_W
 ClientSampled :
 B-4B(14-15)

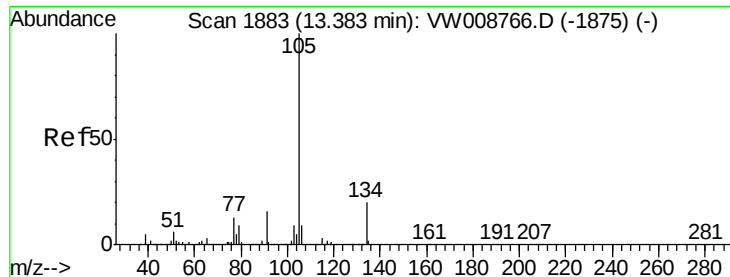
Tot Ion:119 Resp: 492814
 Ion Ratio Lower Upper
 119 100
 91 94.2 33.6 100.8
 134 0.0 13.7 41.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 274.700 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008840.D
 Acq: 26 Feb 2019 19:31

Tgt Ion:105 Resp: 4075488
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 228.713 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.13 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

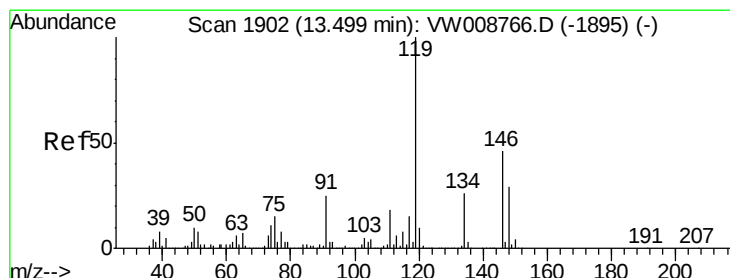
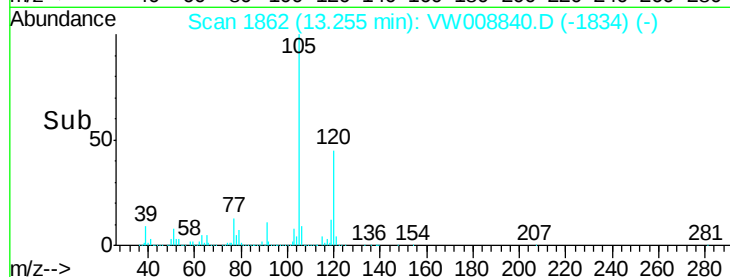
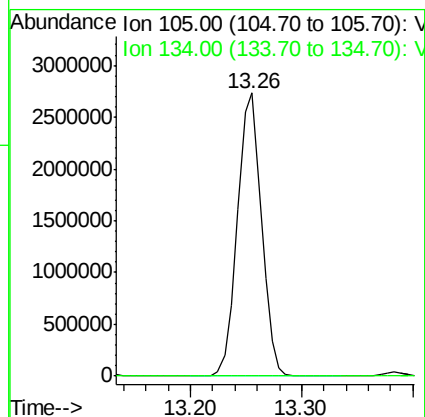
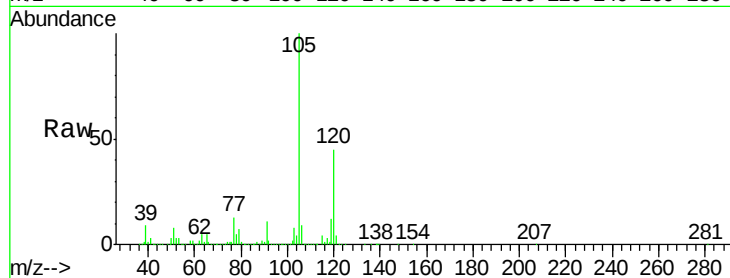
B-4B(14-15)

Tot Ion:105 Resp: 4075488

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



#86

p-Isopropyltoluene

Concen: 1.424 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

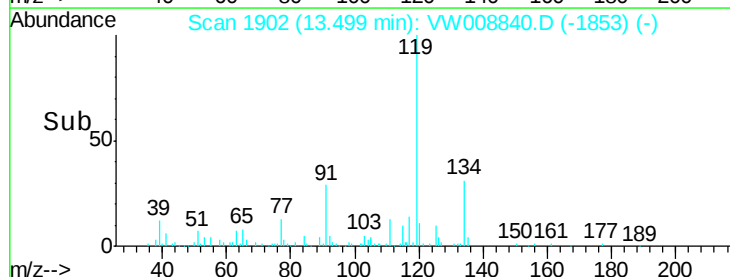
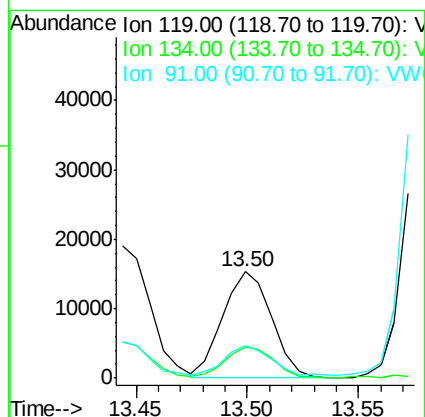
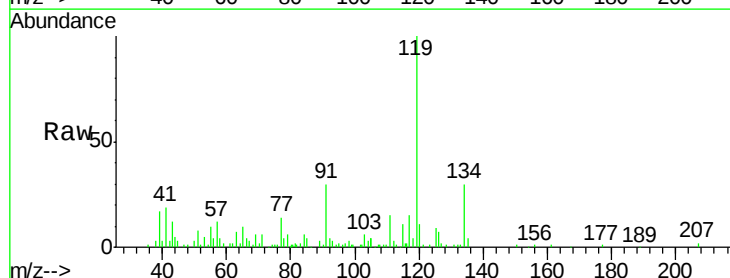
Tgt Ion:119 Resp: 23255

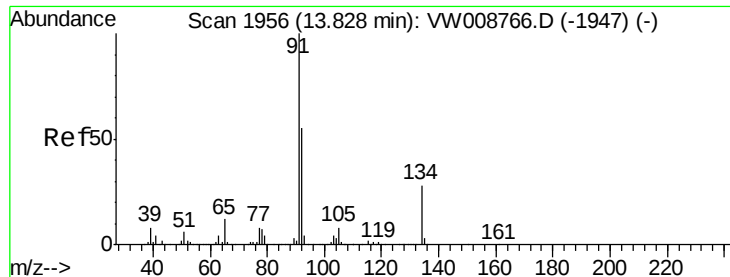
Ion Ratio Lower Upper

119 100

134 27.9 13.1 39.3

91 0.0 12.1 36.3#





#89

n-Butylbenzene

Concen: 3.851 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

B-4B(14-15)

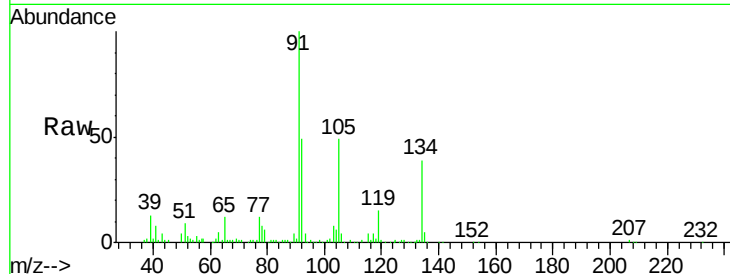
Tot Ion: 91 Resp: 58942

Ion Ratio Lower Upper

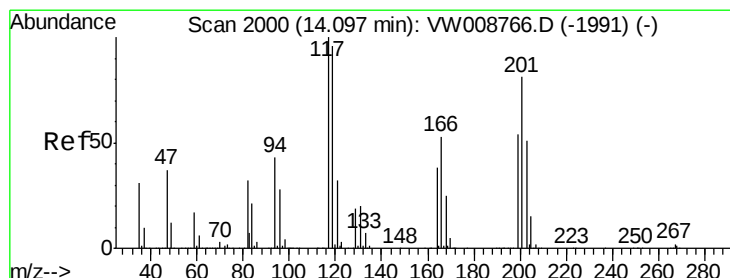
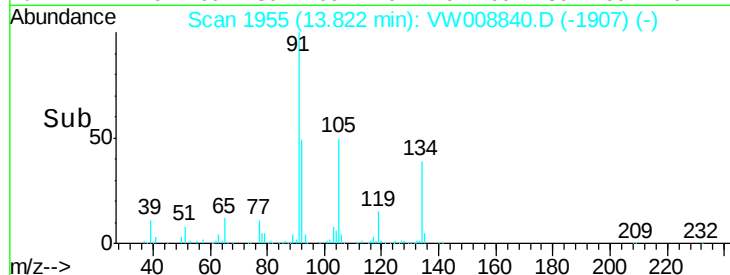
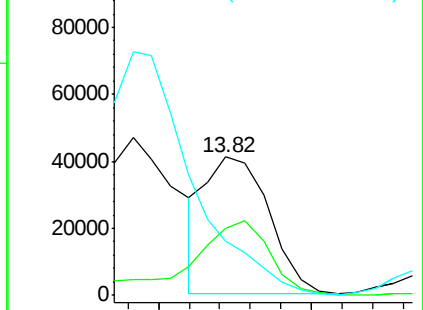
91 100

92 62.5 26.8 80.4

134 0.0 13.5 40.4#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.946 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008840.D

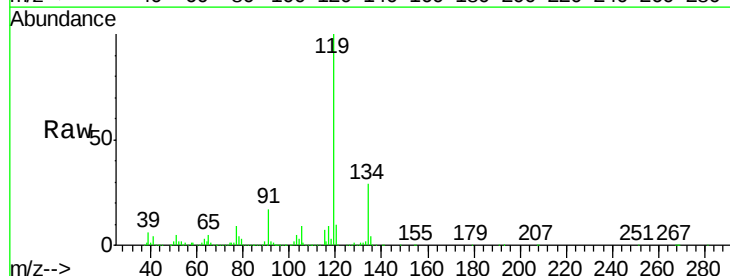
Acq: 26 Feb 2019 19:31

Tgt Ion: 117 Resp: 47992

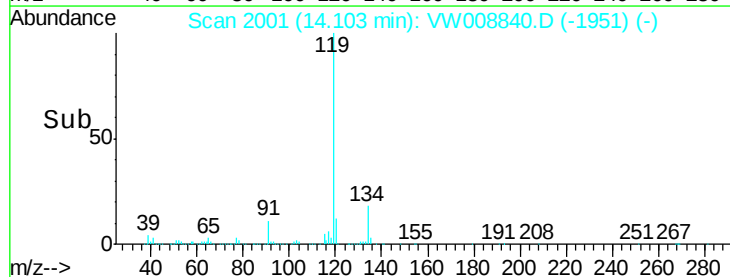
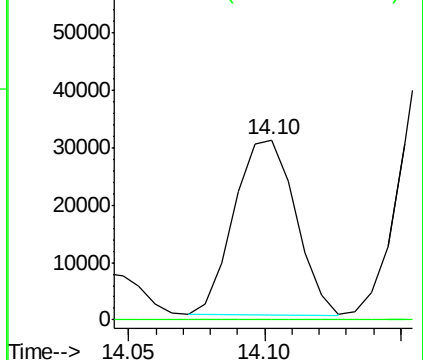
Ion Ratio Lower Upper

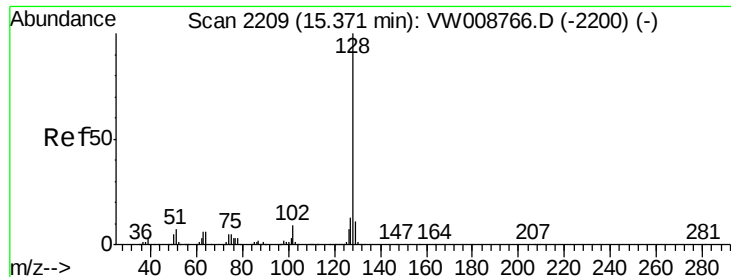
117 100

201 0.0 40.3 120.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 95.131 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008840.D

Acq: 26 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

B-4B(14-15)

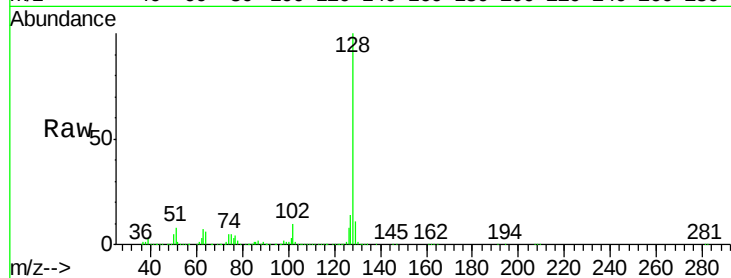
Tot Ion:128 Resp: 840828

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 10.9 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

