

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009005.D
 Acq On : 05 Mar 2019 19:03
 Operator : SY/VA
 Sample : K1688-11RE
 Misc : 8.68G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:52:51 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	12976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	19445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	17249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	8845	72.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.36%	
35) Dibromofluoromethane	7.89	113	6793	58.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.36%	
50) Toluene-d8	10.32	98	21986	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	6594	37.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.74%	

Target Compounds

					Qvalue
3) Chloromethane	2.22	50	623	3.938	ug/l 97
6) Chloroethane	2.93	64	136	1.143	ug/l # 43
10) Methyl Iodide	4.30	142	471	2.928	ug/l # 52
11) Tert butyl alcohol	5.13	59	783	72.267	ug/l # 70
13) Acrolein	3.93	56	64	24.937	ug/l # 14
14) Allyl chloride	4.70	41	205	1.045	ug/l # 52
15) Acrylonitrile	5.36	53	40	1.390	ug/l # 32
16) Acetone	4.12	43	3252	115.279	ug/l 95
18) Methyl Acetate	4.68	43	112	1.674	ug/l # 66
20) Methylene Chloride	4.90	84	461	Below Cal	# 39
25) 2-Butanone	7.16	43	101	2.561	ug/l # 51
26) 2,2-Dichloropropane	7.11	77	275	1.336	ug/l 87
28) Bromochloromethane	7.48	49	210	2.214	ug/l # 13
29) Tetrahydrofuran	7.54	42	42	1.671	ug/l # 1
31) Cyclohexane	7.93	56	658	2.868	ug/l # 71
38) Carbon Tetrachloride	7.96	117	1486	7.444	ug/l # 21
39) Methylcyclohexane	9.34	83	558	2.363	ug/l # 54
40) Benzene	8.31	78	1070	2.070	ug/l # 89
41) Methacrylonitrile	7.47	41	202	3.904	ug/l # 21
43) Isopropyl Acetate	8.40	43	218	1.241	ug/l # 52
48) Methyl methacrylate	9.44	41	163	1.937	ug/l # 13
49) 1,4-Dioxane	9.44	88	22	19.339	ug/l # 46
51) 4-Methyl-2-Pentanone	10.23	43	245	2.747	ug/l 97
52) Toluene	10.39	92	2850	8.126	ug/l 97
55) 1,1,2-Trichloroethane	10.77	97	595	6.176	ug/l # 16
58) 2-Chloroethyl Vinyl ether	9.91	63	64	1.017	ug/l # 45
59) 2-Hexanone	10.99	43	228	3.591	ug/l 93
60) Dibromochloromethane	11.06	129	370	3.149	ug/l 82
67) Ethyl Benzene	11.73	91	3660	5.645	ug/l # 80
68) m/p-Xylenes	11.84	106	2696	10.407	ug/l 100
69) o-Xylene	12.17	106	3545	14.579	ug/l 99
71) Bromoform	12.36	173	218	3.307	ug/l # 29
73) Isopropylbenzene	12.47	105	2222	6.095	ug/l 96
74) N-amyl acetate	12.27	43	838	9.125	ug/l # 68

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 Response via : Initial Calibration

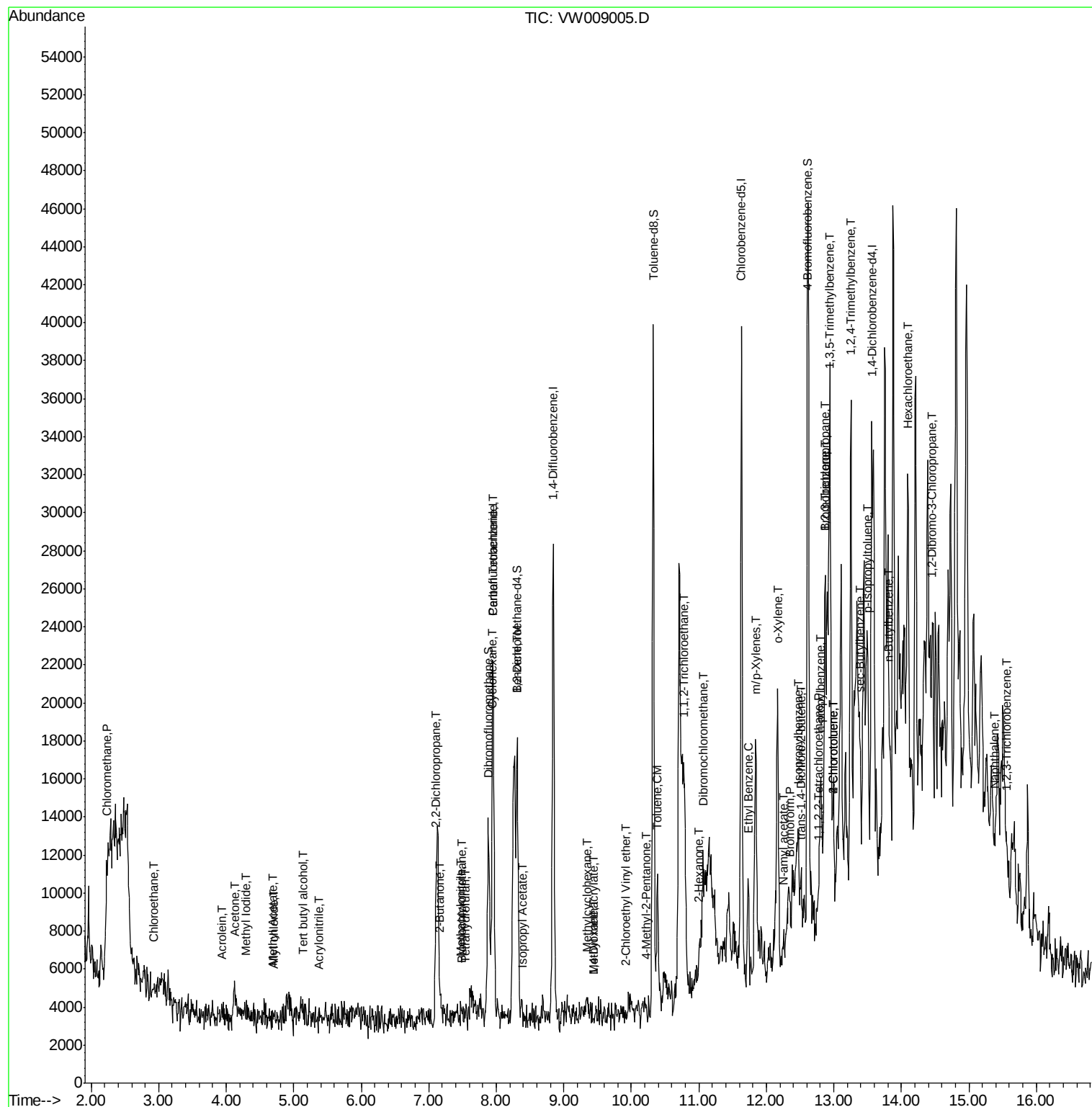
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	12.77	83	443	7.437	ug/l #	25
76) 1,2,3-Trichloropropane	12.88	75	185	4.213	ug/l #	100
77) Bromobenzene	12.87	156	3282	38.095	ug/l #	1
78) n-propylbenzene	12.80	91	4605	10.326	ug/l	91
79) 2-Chlorotoluene	13.01	91	262	1.035	ug/l	74
80) 1,3,5-Trimethylbenzene	12.95	105	6194	19.551	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	123	6.810	ug/l #	55
82) 4-Chlorotoluene	13.01	91	290	1.087	ug/l	70
84) 1,2,4-Trimethylbenzene	13.26	105	12724	38.797	ug/l	98
85) sec-Butylbenzene	13.39	105	2259	5.735	ug/l #	52
86) p-Isopropyltoluene	13.51	119	2126	5.888	ug/l	96
89) n-Butylbenzene	13.82	91	2523	7.458	ug/l #	62
90) Hexachloroethane	14.10	117	1254	21.213	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.46	75	50	4.640	ug/l #	1
95) Naphthalene	15.38	128	928	4.750	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.57	180	163	1.643	ug/l #	49

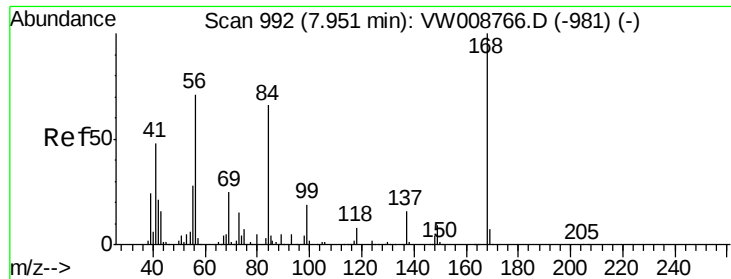
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

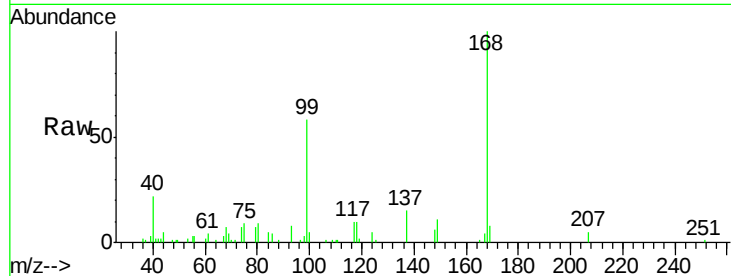
ClientSampled :

Tot Ion:168 Resp: 12976

Ion Ratio Lower Upper

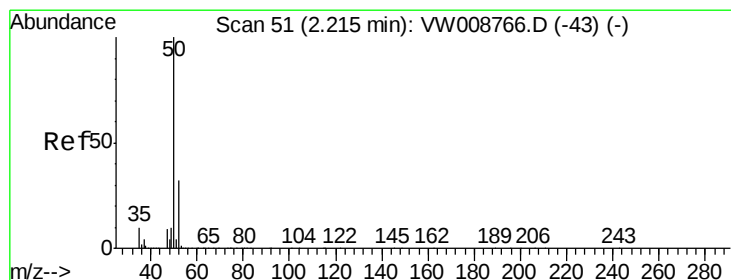
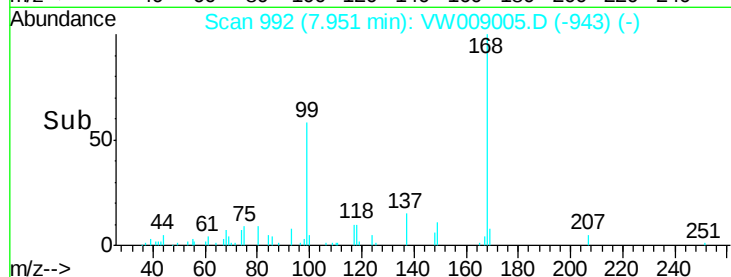
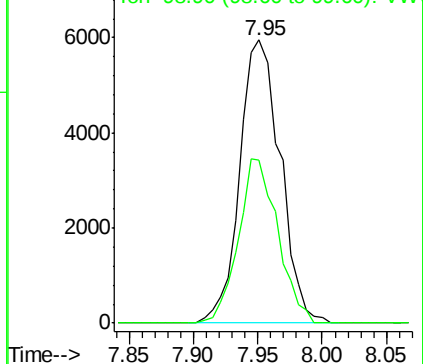
168 100

99 57.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 3.938 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009005.D

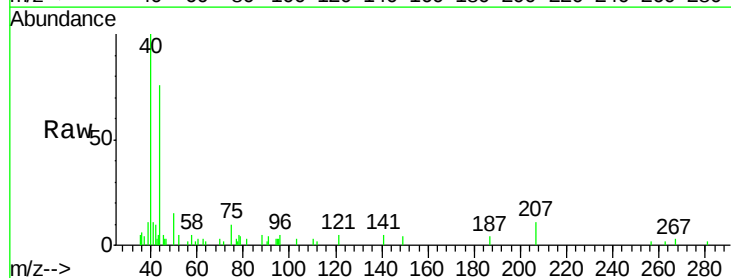
Acq: 05 Mar 2019 19:03

Tgt Ion: 50 Resp: 623

Ion Ratio Lower Upper

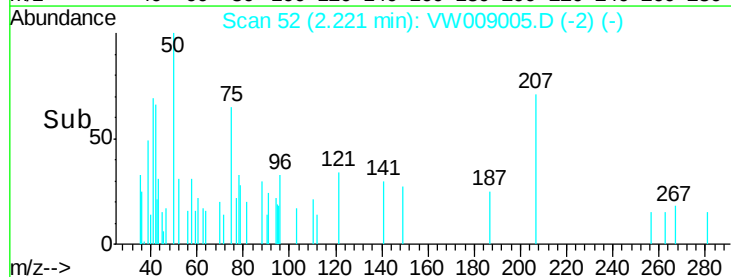
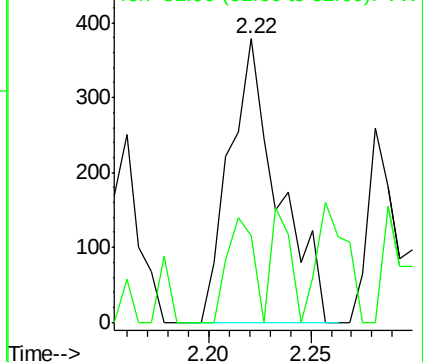
50 100

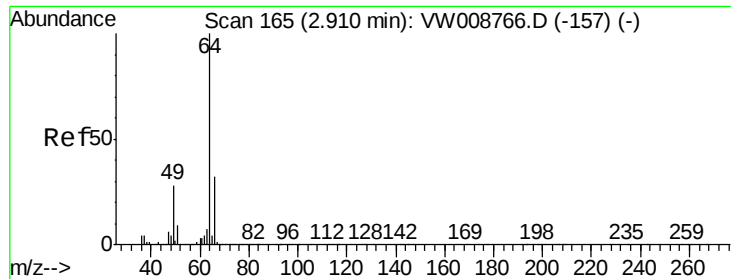
52 30.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 1.143 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.02 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

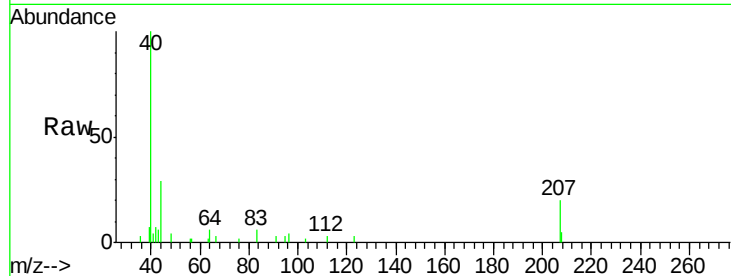
ClientSampleId :

Tot Ion: 64 Resp: 136

Ion Ratio Lower Upper

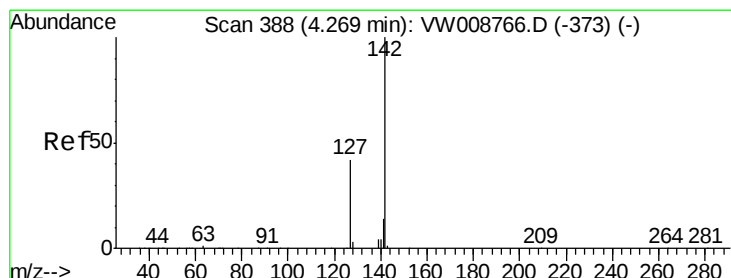
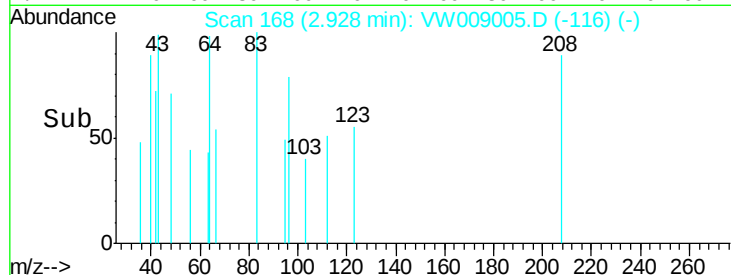
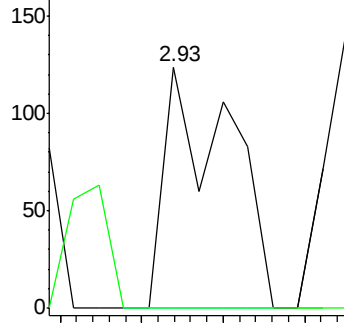
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#10

Methyl Iodide

Concen: 2.928 ug/l

RT: 4.30 min Scan# 393

Delta R.T. 0.03 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

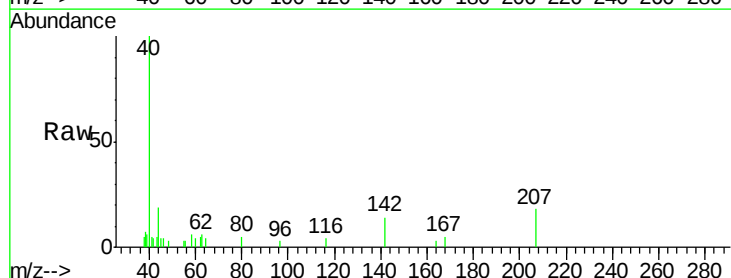
Tgt Ion: 142 Resp: 471

Ion Ratio Lower Upper

142 100

127 7.0 35.3 52.9#

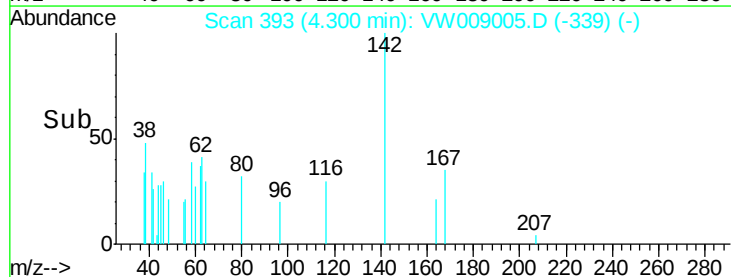
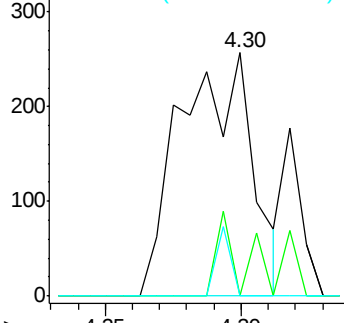
141 5.7 11.7 17.5#

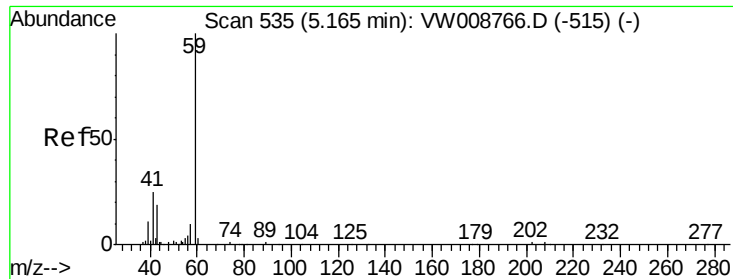


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



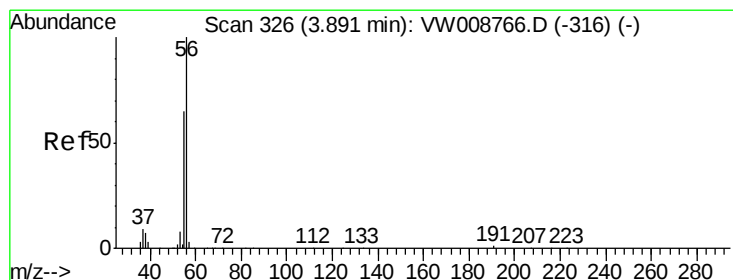
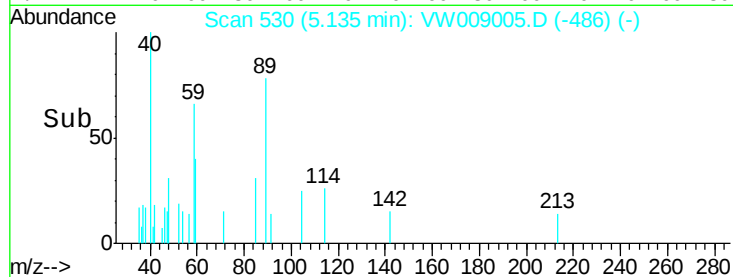
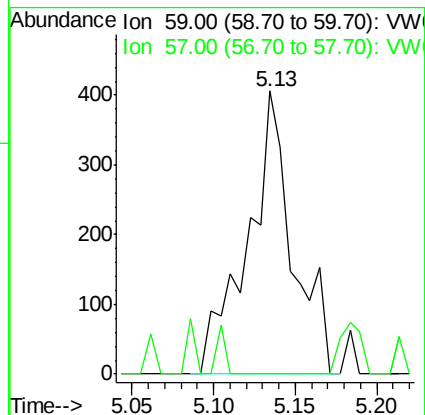
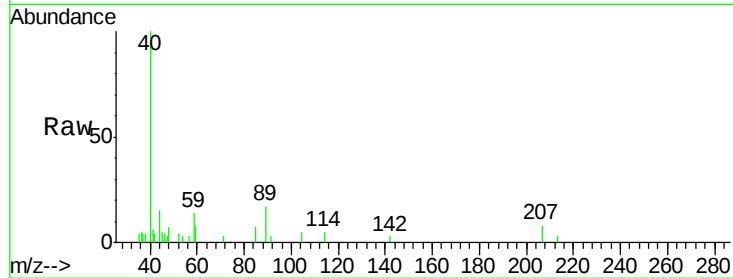


#11

Tert butyl alcohol
 Concen: 72.267 ug/l
 RT: 5.13 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

Instrument :
 MSVOA_W
 ClientSampled :

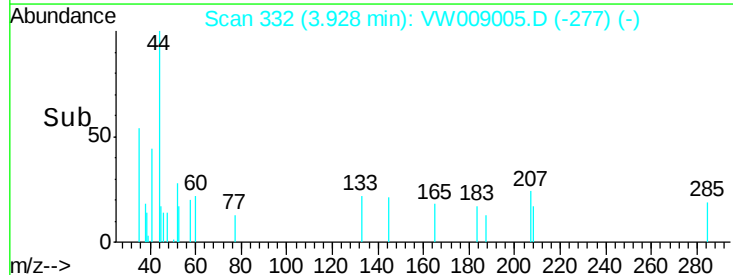
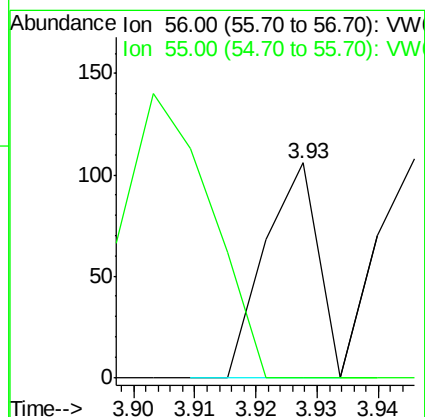
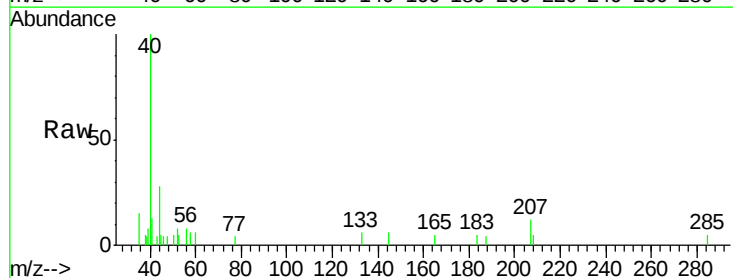
Tot Ion: 59 Resp: 783
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

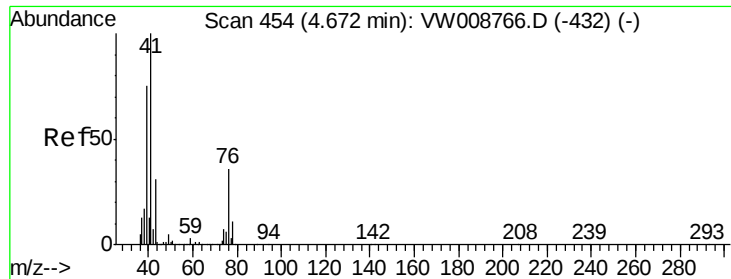


#13

Acrolein
 Concen: 24.937 ug/l
 RT: 3.93 min Scan# 332
 Delta R.T. 0.04 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

Tgt Ion: 56 Resp: 64
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#

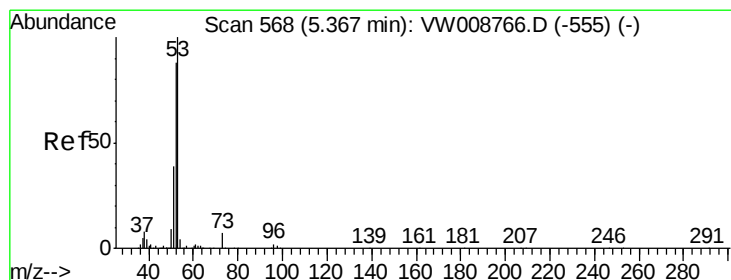
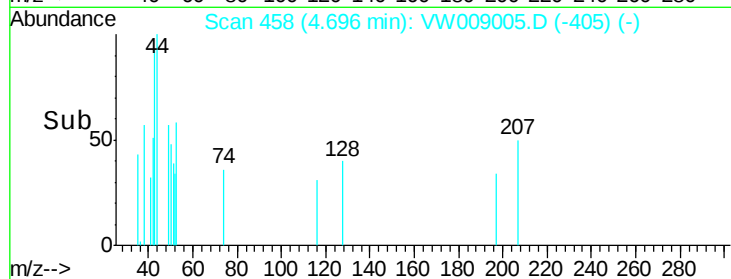
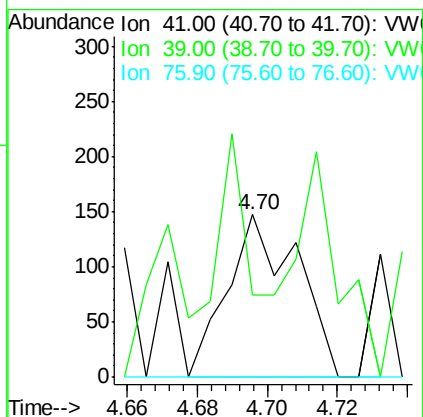
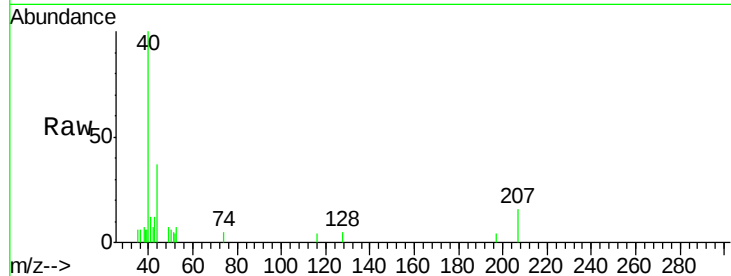




#14
Allvl chloride
Concen: 1.045 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.02 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

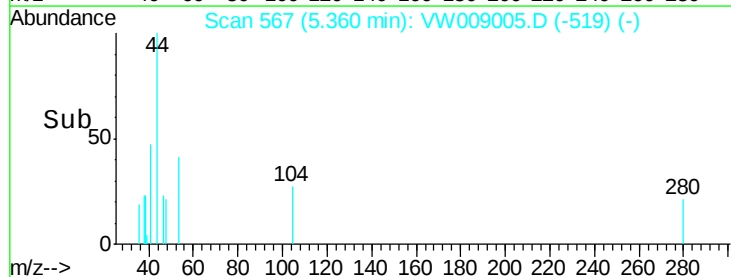
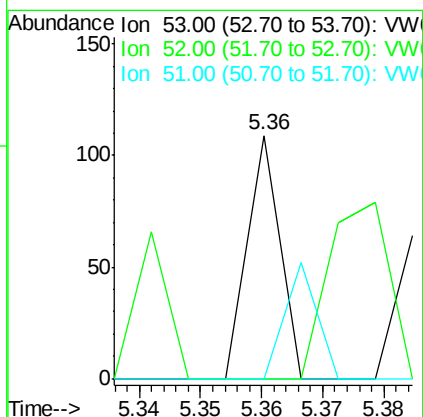
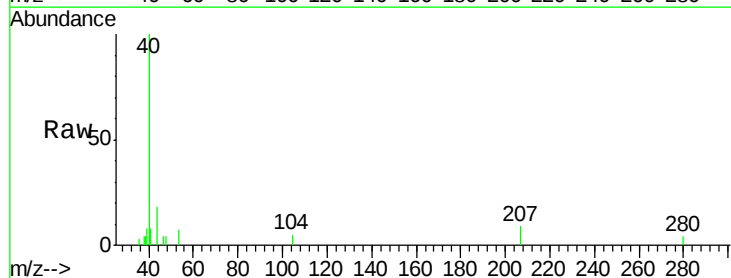
Instrument :
MSVOA_W
ClientSampled :

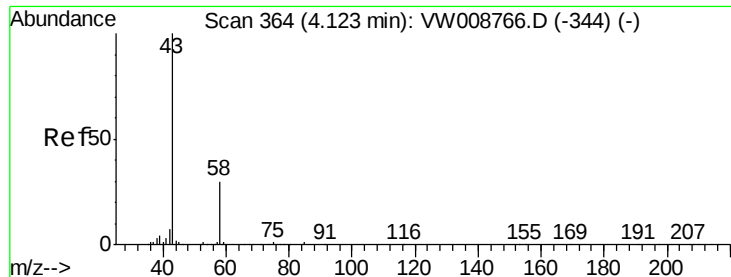
Tot Ion: 41 Resp: 205
Ion Ratio Lower Upper
41 100
39 39.5 60.6 91.0#
76 0.0 28.6 42.8#



#15
Acrylonitrile
Concen: 1.390 ug/l
RT: 5.36 min Scan# 567
Delta R.T. -0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 53 Resp: 40
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 47.5 31.1 46.7#





#16

Acetone

Concen: 115.279 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

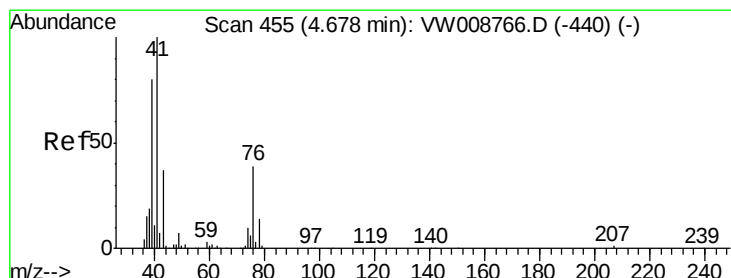
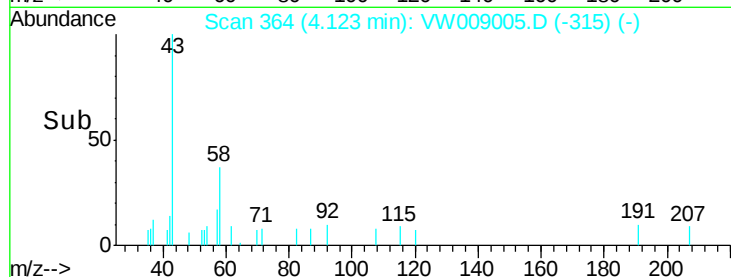
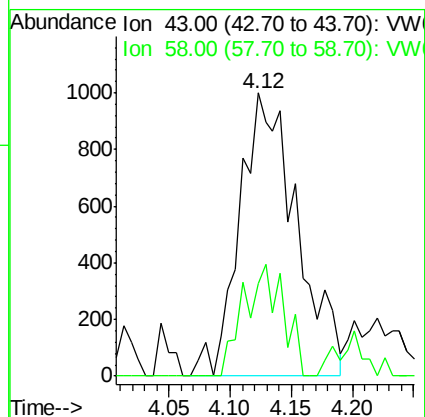
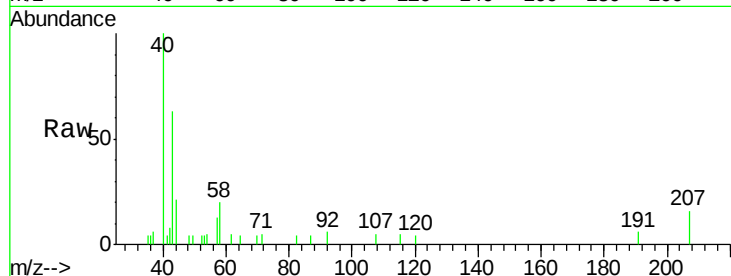
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3252

Ion Ratio Lower Upper

43 100

58 32.6 23.8 35.6



#18

Methyl Acetate

Concen: 1.674 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW009005.D

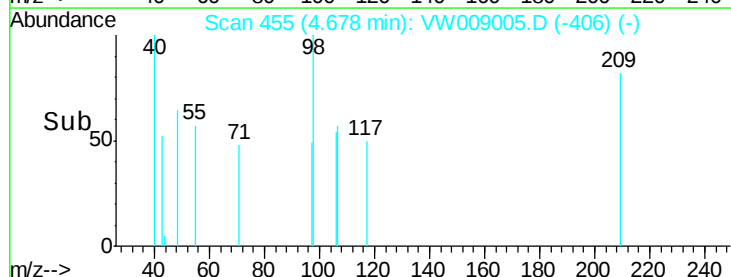
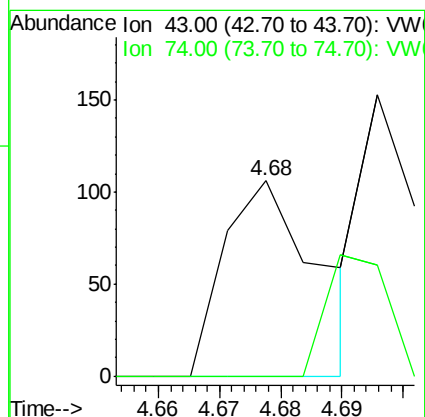
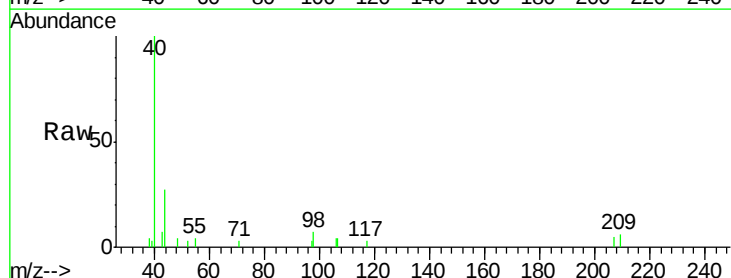
Acq: 05 Mar 2019 19:03

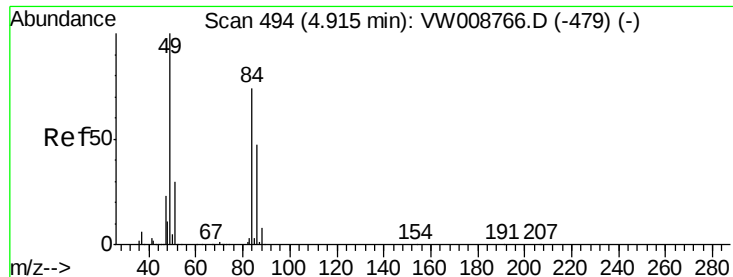
Tgt Ion: 43 Resp: 112

Ion Ratio Lower Upper

43 100

74 41.1 19.4 29.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

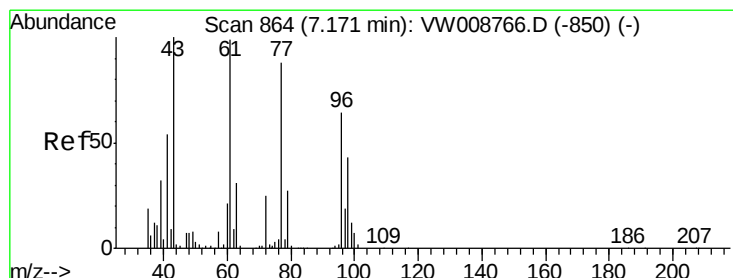
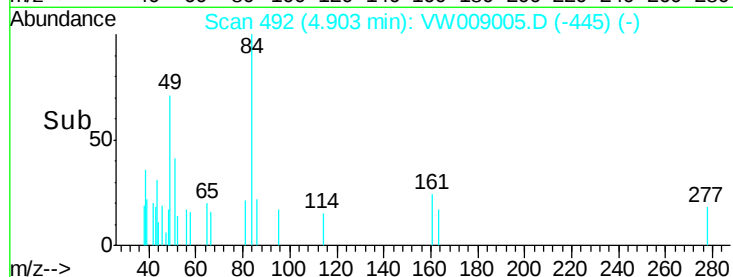
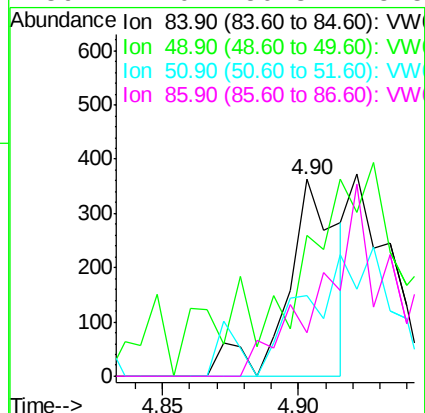
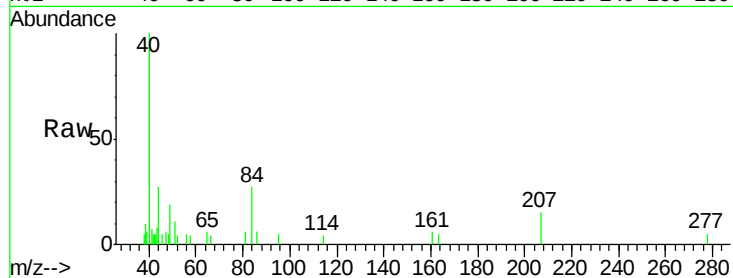
Delta R.T. -0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	461
Ion	Ratio	Lower	Upper
84	100		
49	36.6	108.2	162.2#
51	41.0	32.7	49.1
86	22.0	50.3	75.5#



#25

2-Butanone

Concen: 2.561 ug/l

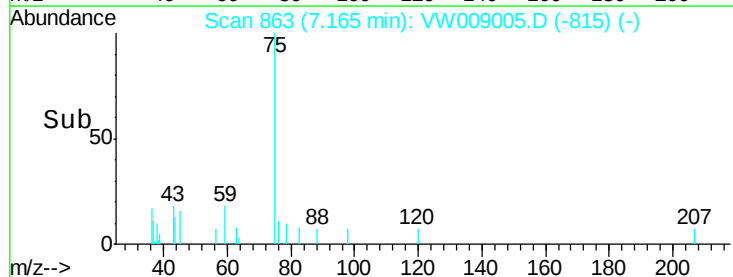
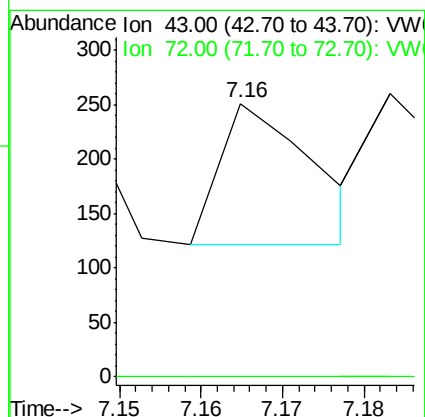
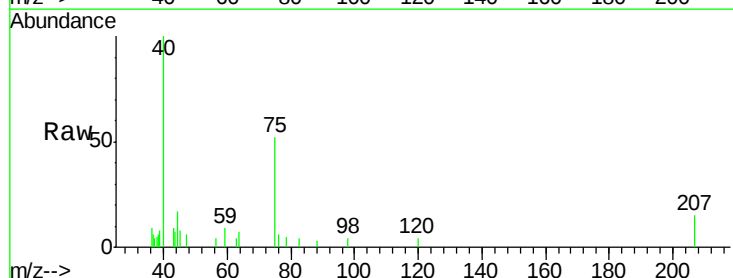
RT: 7.16 min Scan# 863

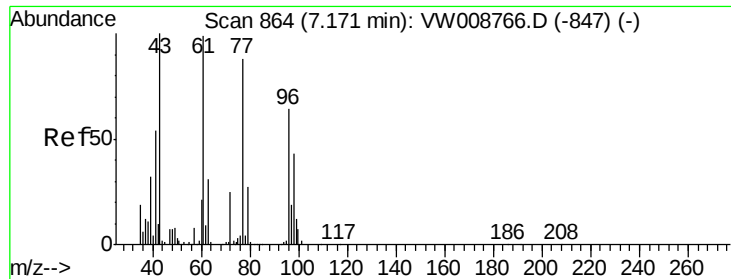
Delta R.T. -0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Tgt Ion:	43	Resp:	101
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#





#26

2,2-Dichloropropane

Concen: 1.336 ug/l

RT: 7.11 min Scan# 854

Delta R.T. -0.06 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

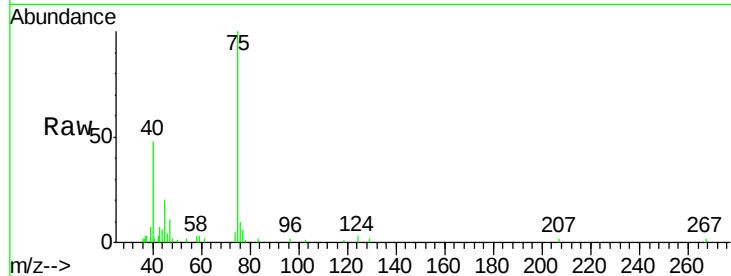
ClientSampleId :

Tot Ion: 77 Resp: 275

Ion Ratio Lower Upper

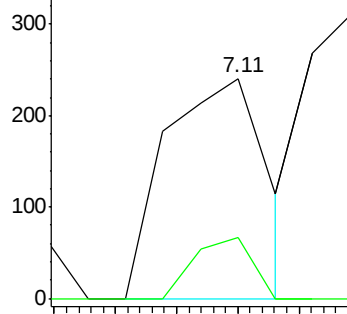
77 100

97 16.0 11.0 33.0

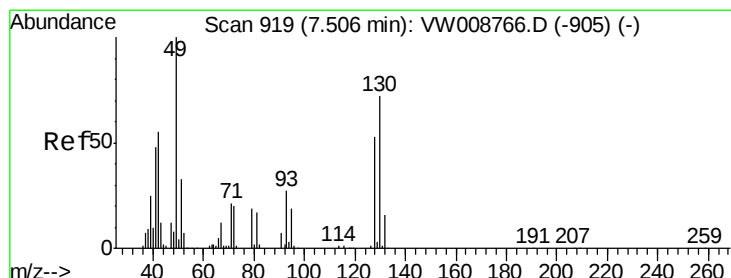
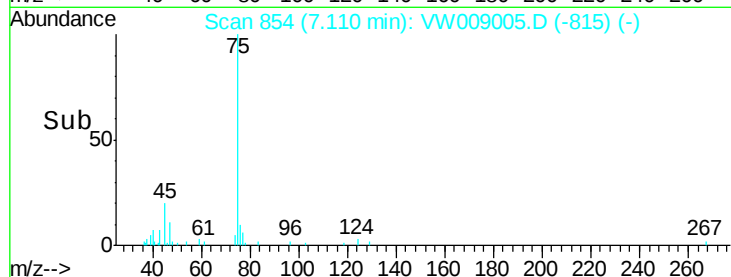


Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



#28

Bromochloromethane

Concen: 2.214 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

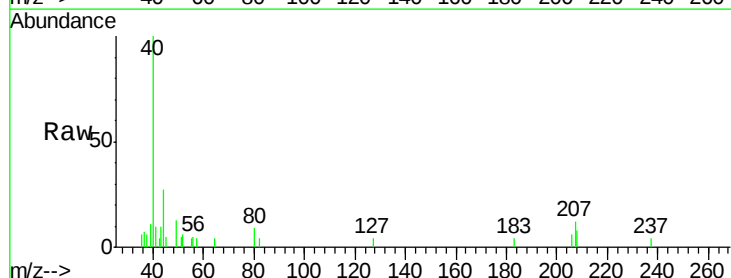
Tgt Ion: 49 Resp: 210

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

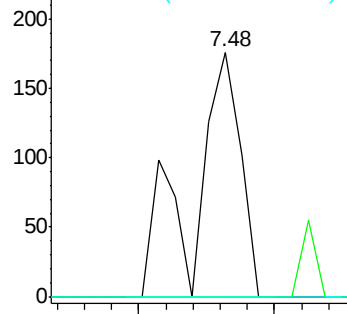
130 0.0 61.3 91.9#



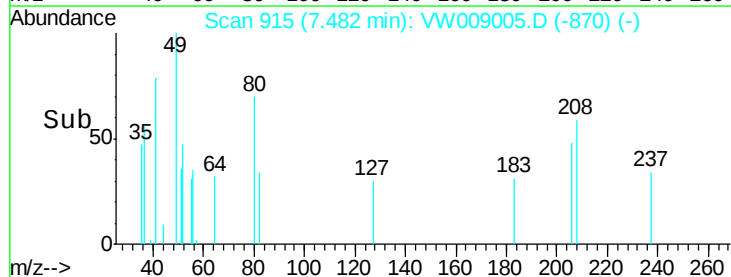
Abundance Ion 48.90 (48.60 to 49.60): VW

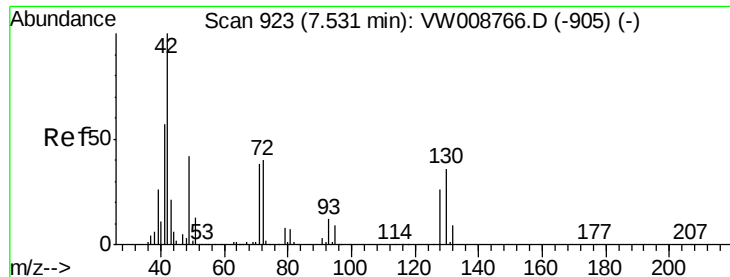
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->

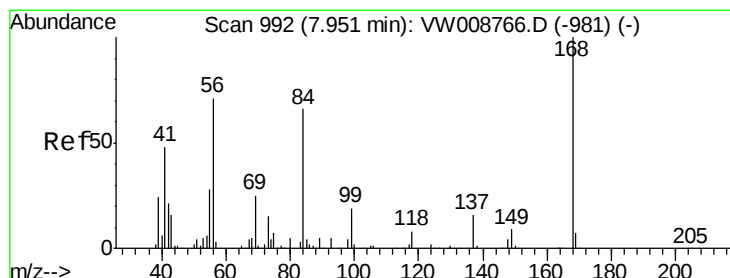
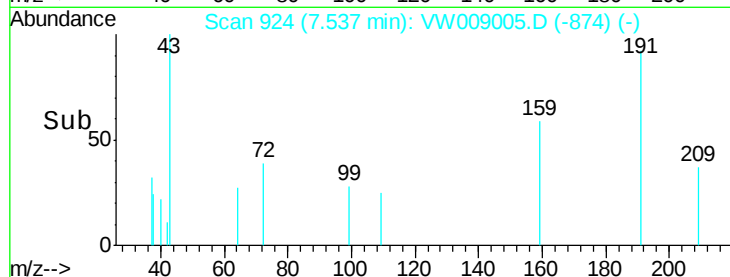
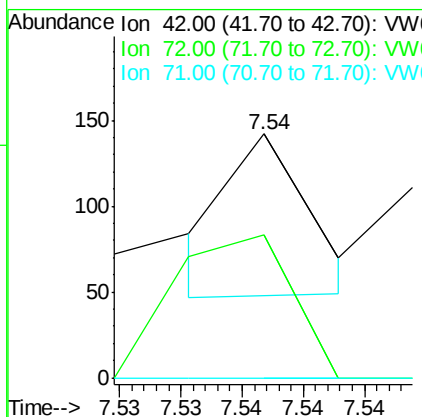
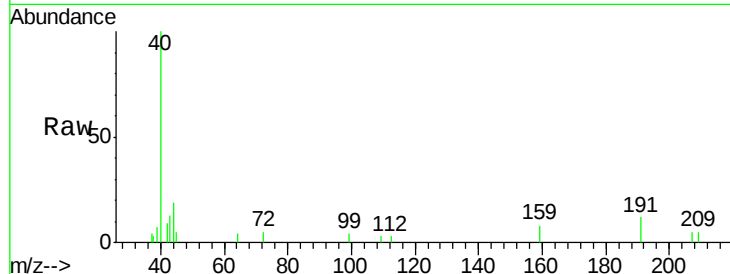




#29
Tetrahydrofuran
Concen: 1.671 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

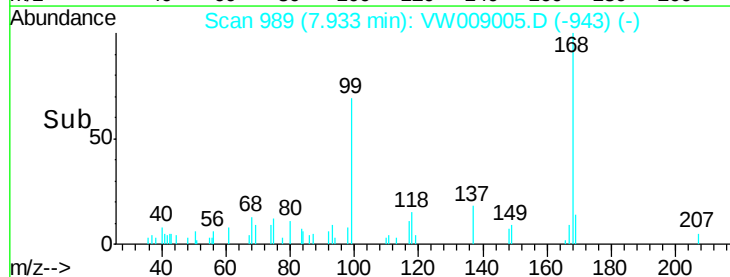
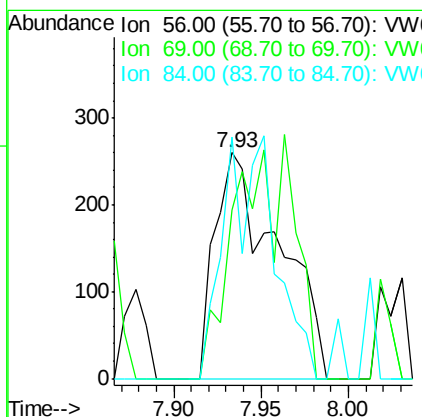
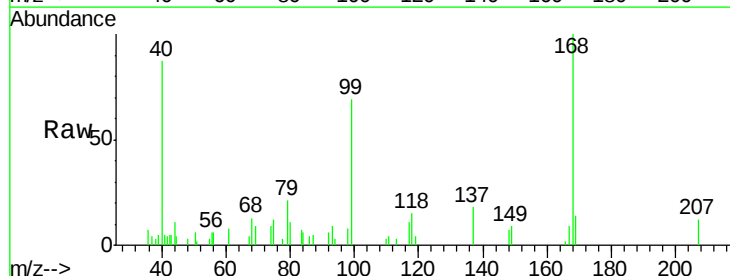
Instrument :
MSVOA_W
ClientSampled :

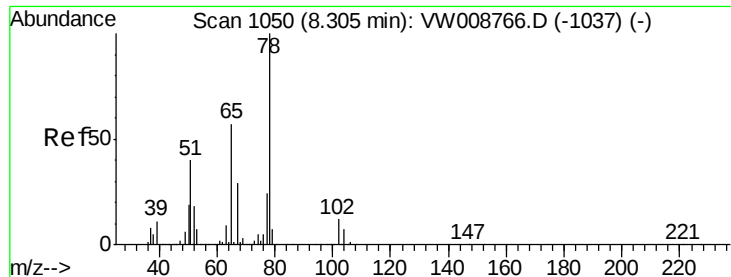
Tot Ion: 42 Resp: 42
Ion Ratio Lower Upper
42 100
72 133.3 32.7 49.1#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 2.868 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 56 Resp: 658
Ion Ratio Lower Upper
56 100
69 74.6 28.2 42.4#
84 106.9 74.1 111.1

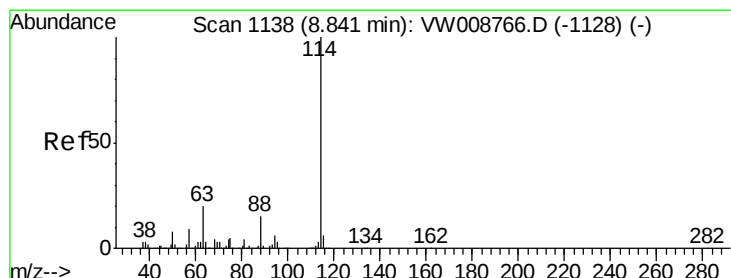
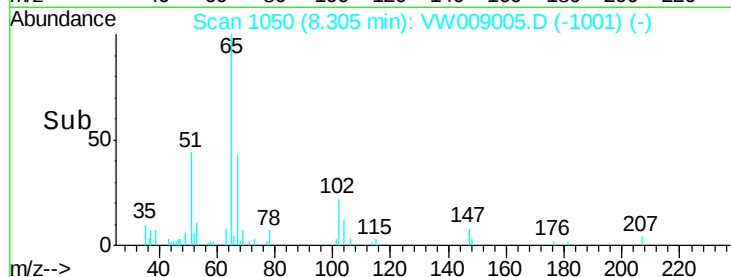
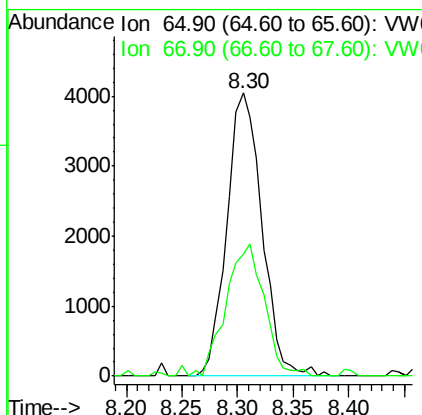
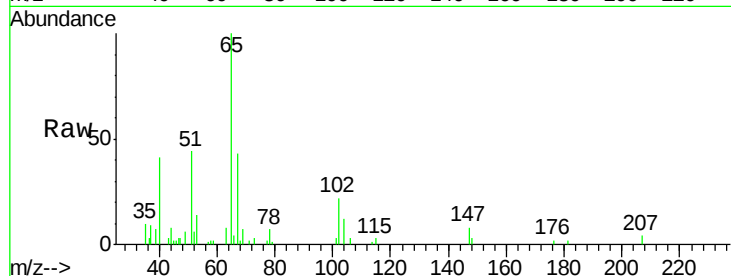




#33
 1,2-Dichloroethane-d4
 Concen: 72.677 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

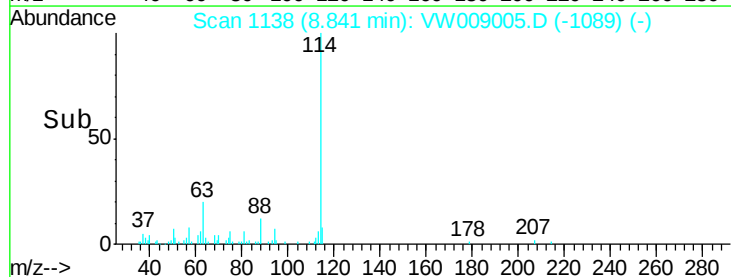
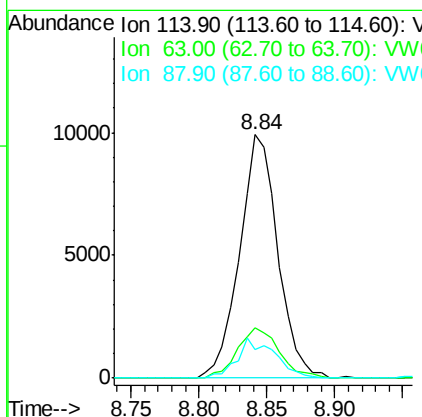
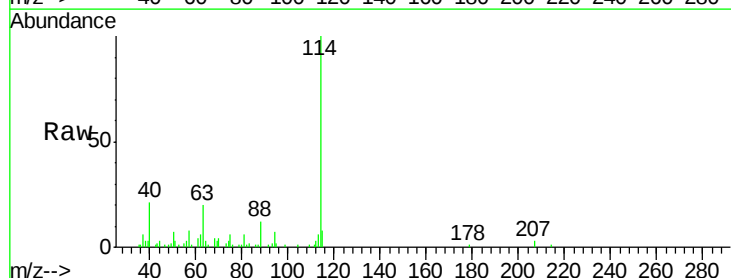
Instrument :
 MSVOA_W
 ClientSampled :

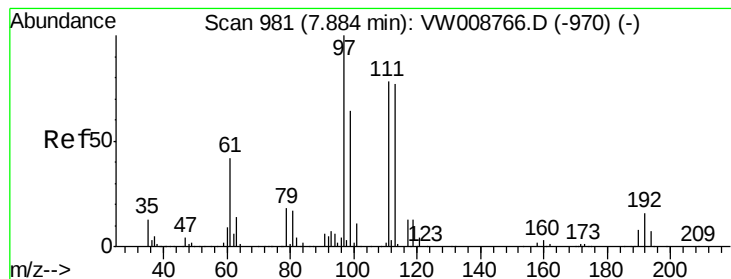
Tot Ion: 65 Resp: 8845
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

Tgt Ion: 114 Resp: 19445
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 11.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 58.184 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

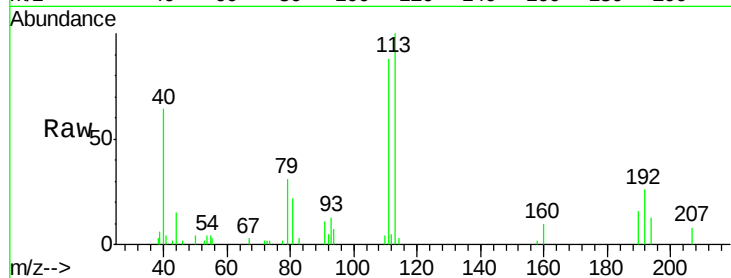
Tot Ion:113 Resp: 6793

Ion Ratio Lower Upper

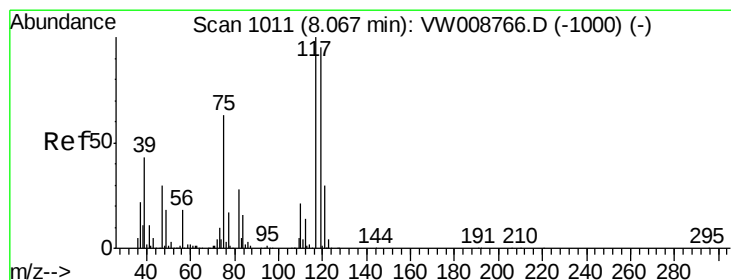
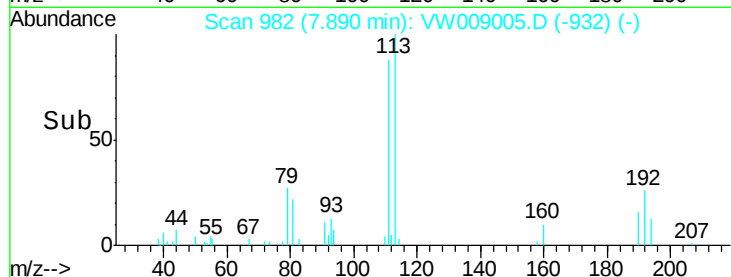
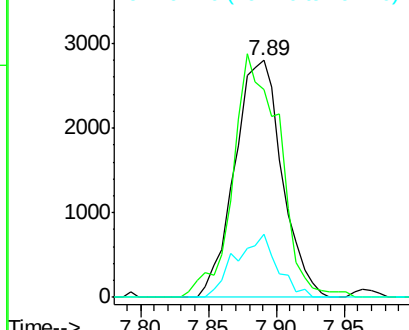
113 100

111 101.4 81.9 122.9

192 23.5 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



#38

Carbon Tetrachloride

Concen: 7.444 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.11 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

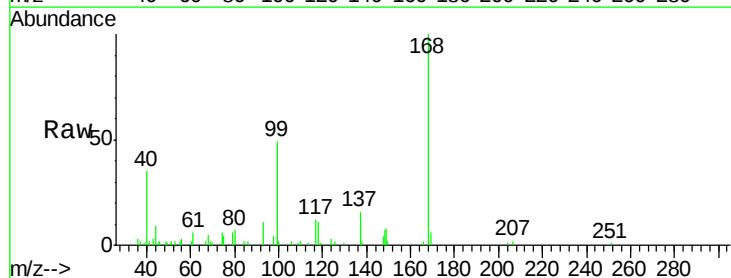
Tgt Ion:117 Resp: 1486

Ion Ratio Lower Upper

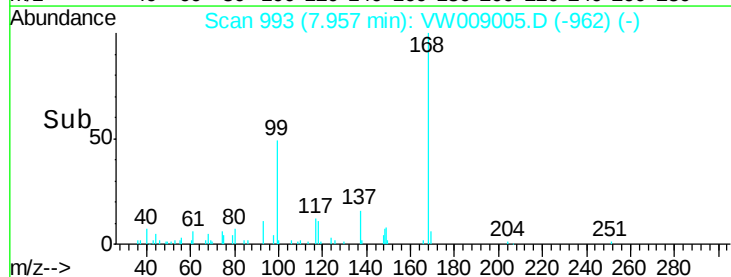
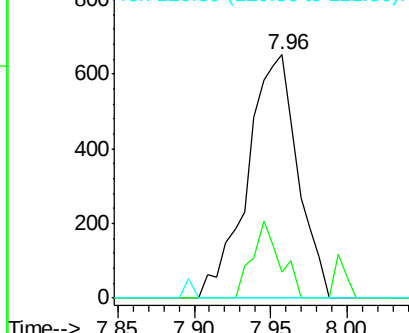
117 100

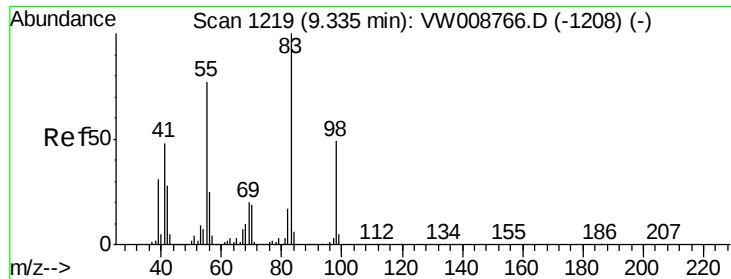
119 10.7 76.1 114.1#

121 0.0 24.0 36.0#



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

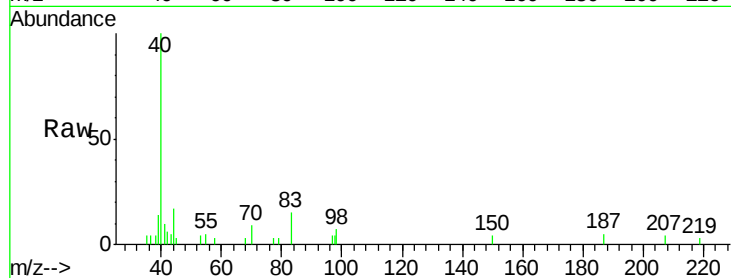




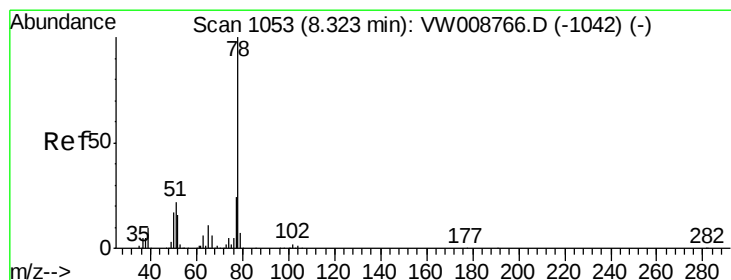
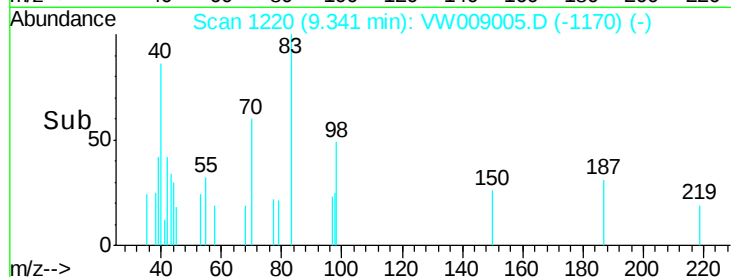
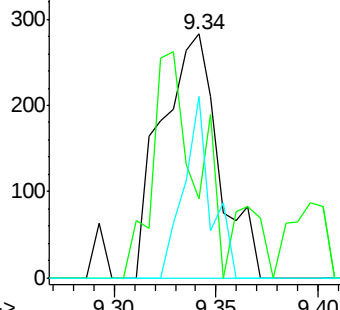
#39
Methvlcvclohexane
Concen: 2.363 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 558
Ion Ratio Lower Upper
83 100
55 32.2 61.2 91.8#
98 74.6 39.4 59.2#

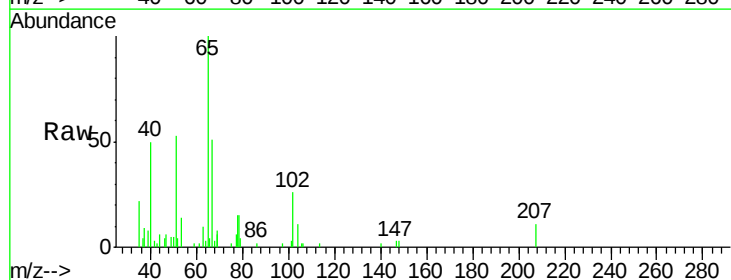


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

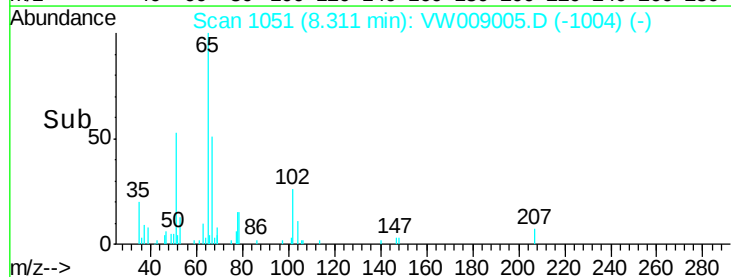
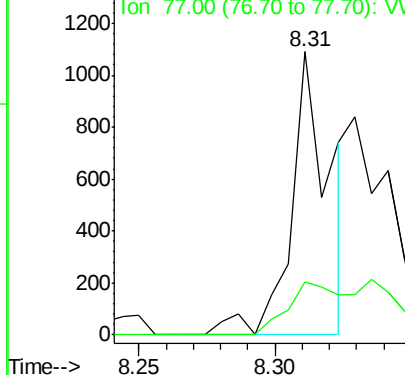


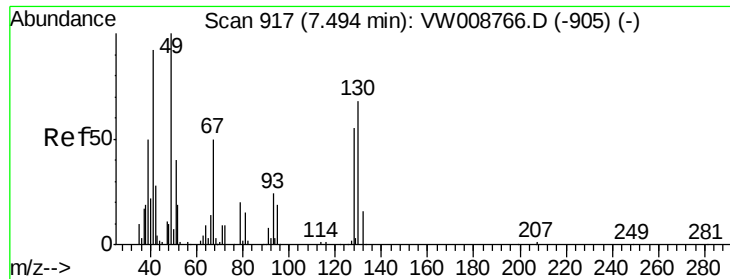
#40
Benzene
Concen: 2.070 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 78 Resp: 1070
Ion Ratio Lower Upper
78 100
77 18.8 19.3 28.9#



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





#41

Methacrylonitrile

Concen: 3.904 ug/l

RT: 7.47 min Scan# 913

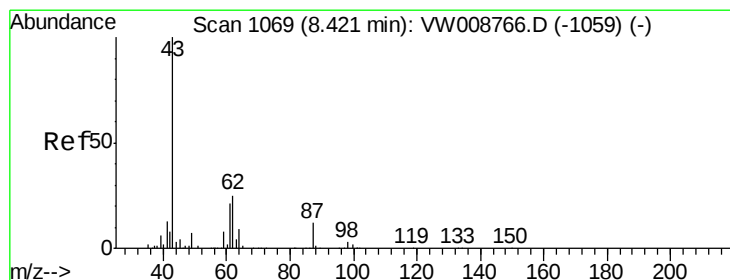
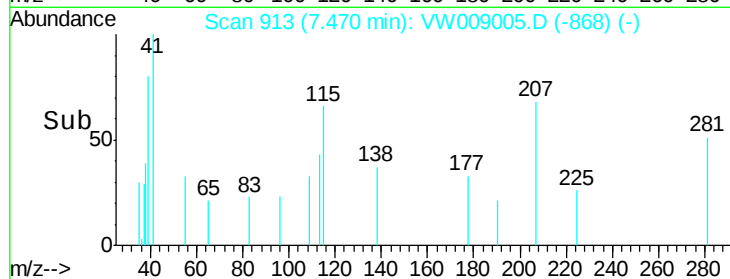
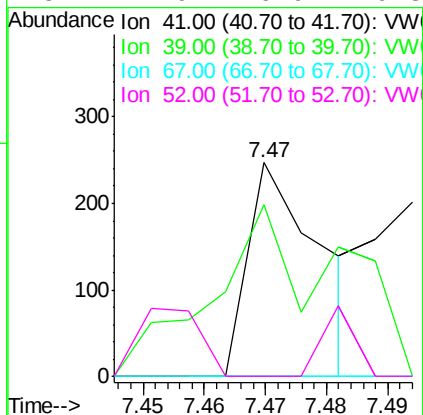
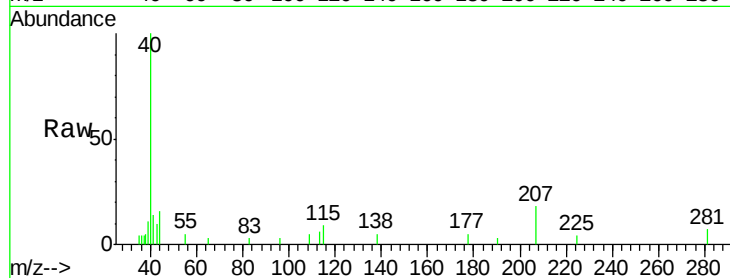
Delta R.T. -0.02 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	202
Ion	Ratio	Lower	Upper
41	100		
39	141.6	52.5	78.7#
67	0.0	55.0	82.6#
52	14.9	26.9	40.3#



#43

Isopropyl Acetate

Concen: 1.241 ug/l

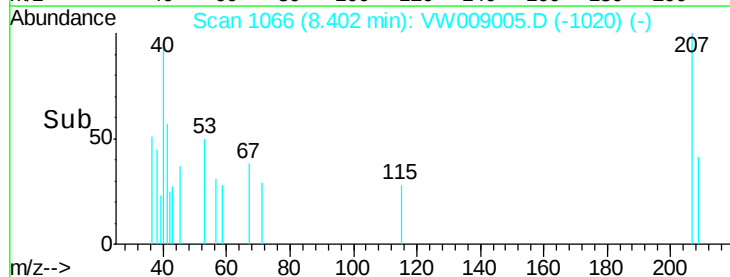
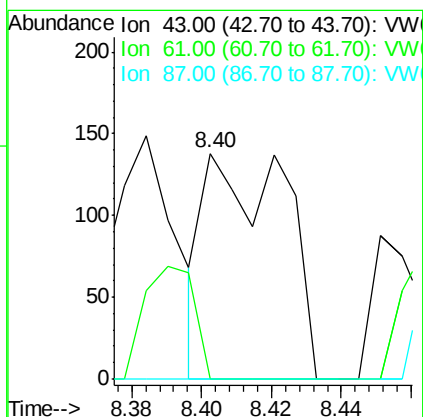
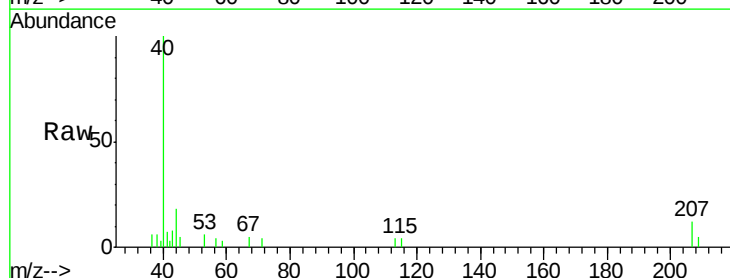
RT: 8.40 min Scan# 1066

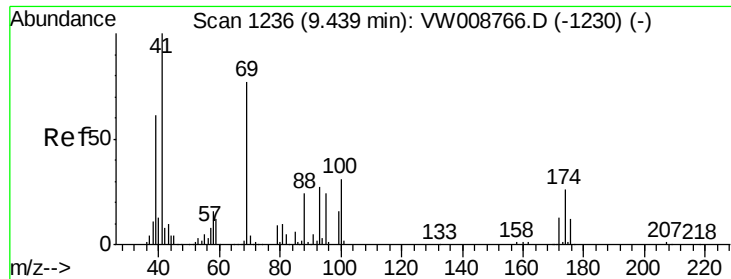
Delta R.T. -0.02 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Tgt Ion:	43	Resp:	218
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.2	34.8#
87	0.0	9.9	14.9#

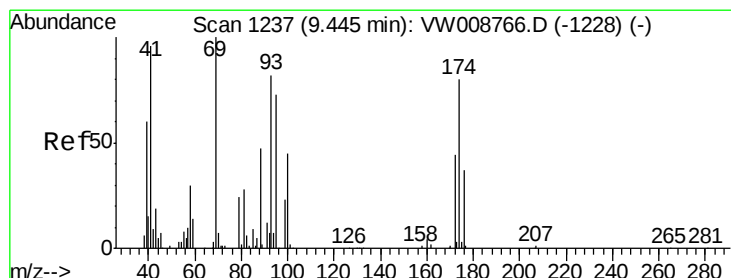
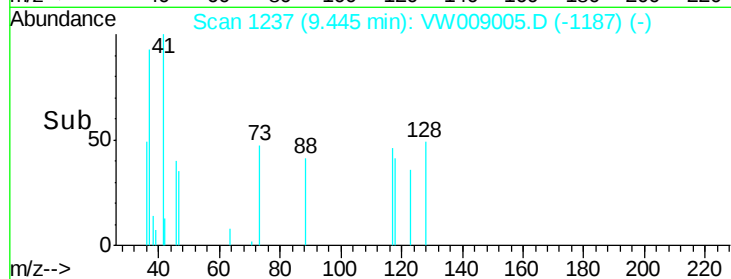
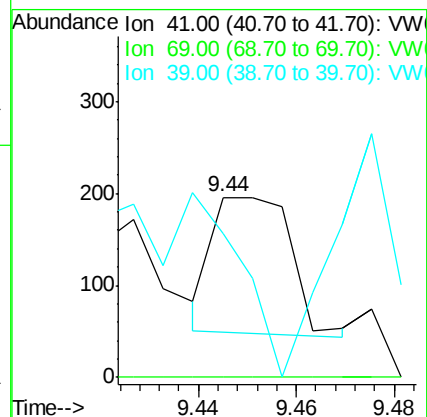
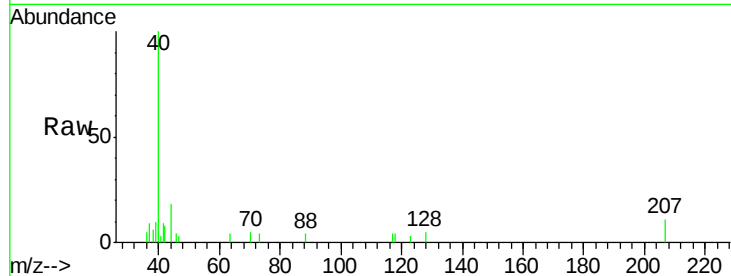




#48
Methyl methacrylate
Concen: 1.937 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

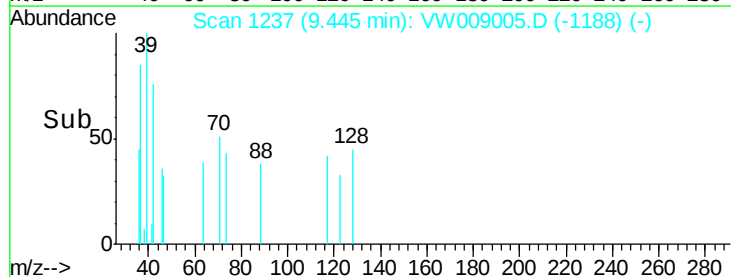
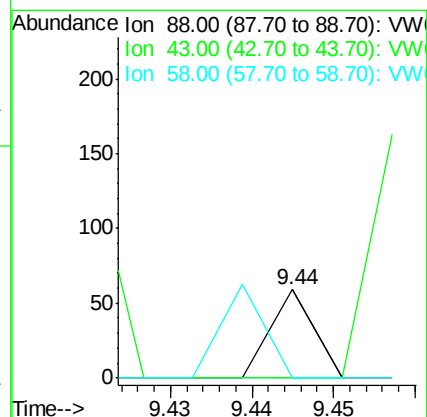
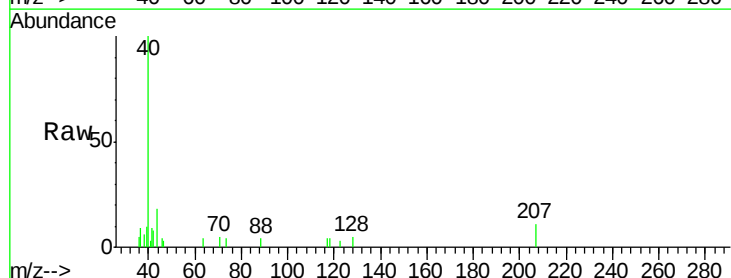
Instrument :
MSVOA_W
ClientSampled :

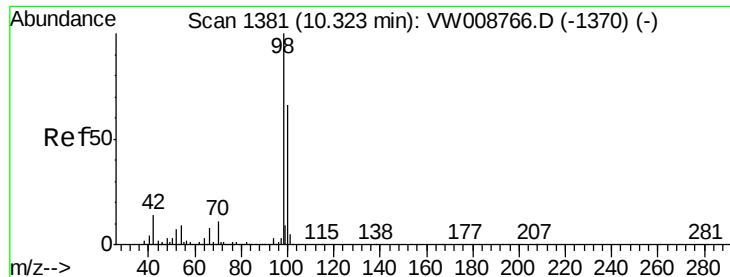
Tot Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 0.0 52.1 78.1#



#49
1,4-Dioxane
Concen: 19.339 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 104.5 52.0 78.0#





#50

Toluene-d8

Concen: 48.783 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

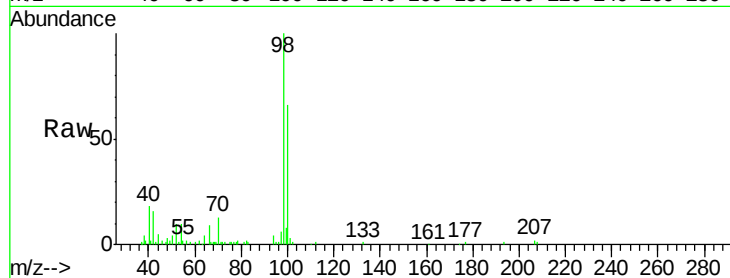
ClientSampled :

Tot Ion: 98 Resp: 21986

Ion Ratio Lower Upper

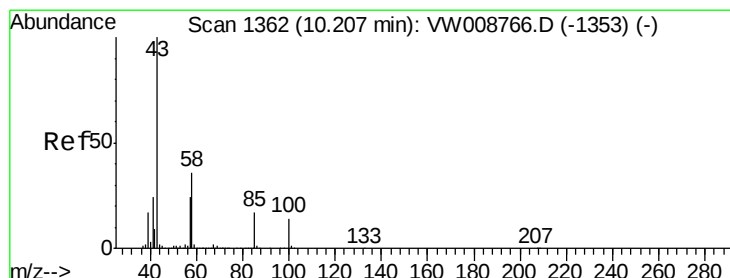
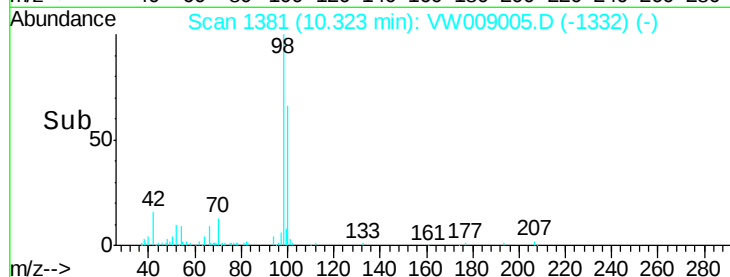
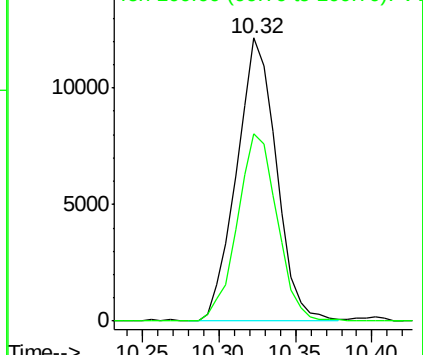
98 100

100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.747 ug/l

RT: 10.23 min Scan# 1365

Delta R.T. 0.02 min

Lab File: VW009005.D

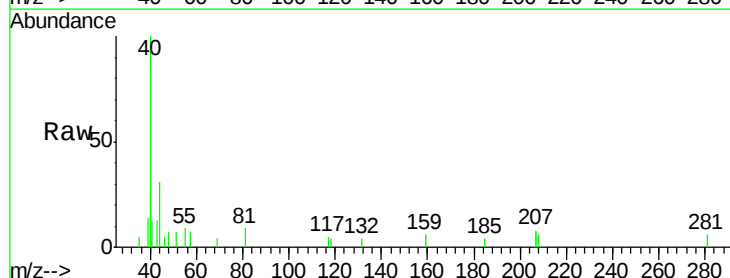
Acq: 05 Mar 2019 19:03

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

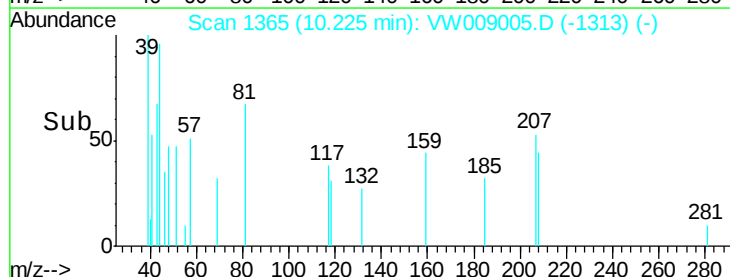
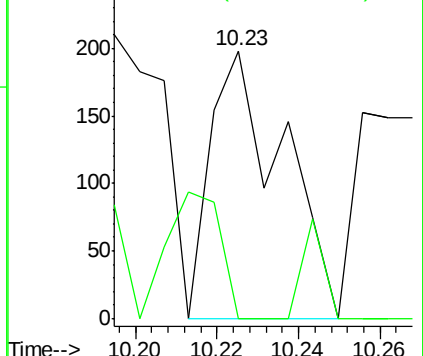
43 100

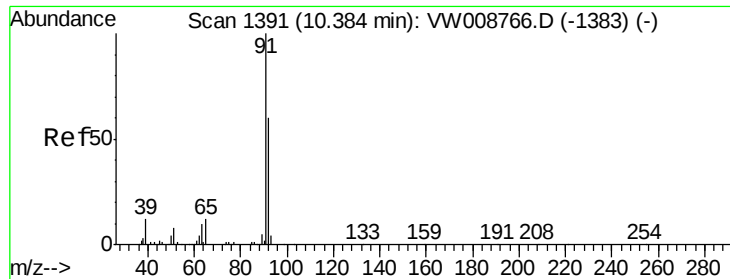
58 34.7 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 8.126 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

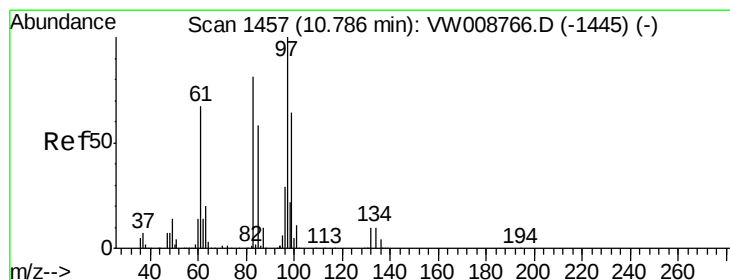
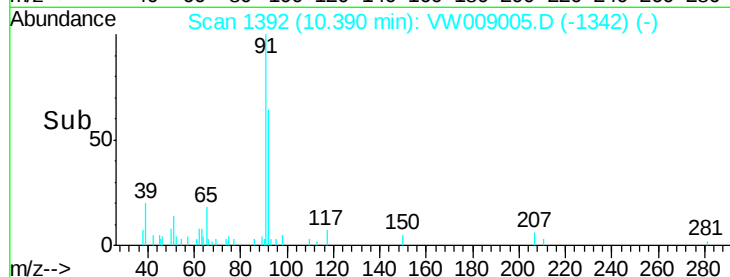
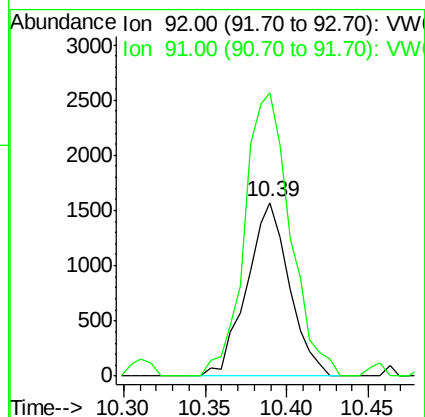
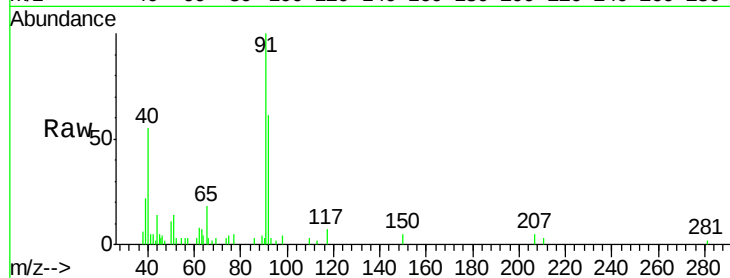
ClientSampleId :

Tot Ion: 92 Resp: 2850

Ion Ratio Lower Upper

92 100

91 175.2 136.9 205.3



#55

1,1,2-Trichloroethane

Concen: 6.176 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Tgt Ion: 97 Resp: 595

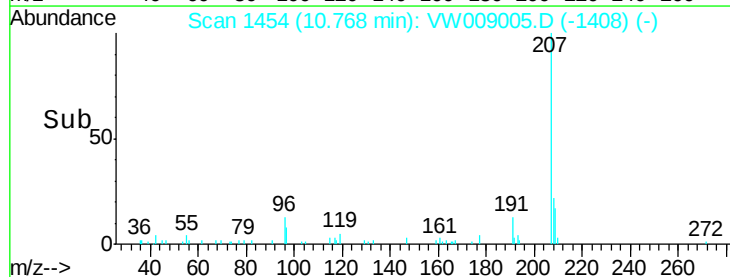
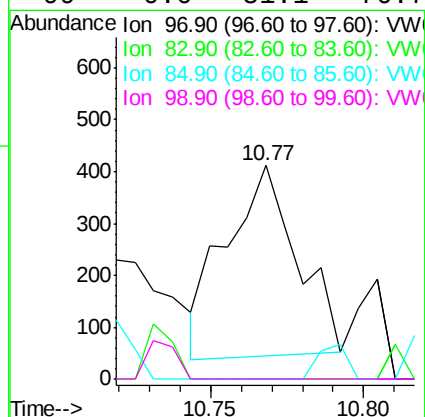
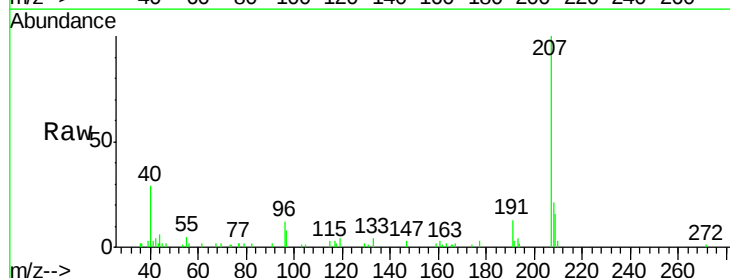
Ion Ratio Lower Upper

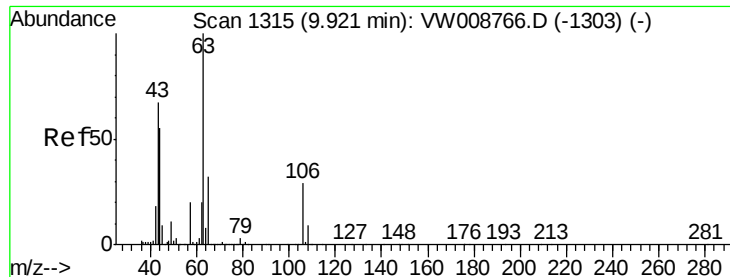
97 100

83 0.0 65.0 97.6#

85 0.0 46.0 69.0#

99 0.0 51.1 76.7#

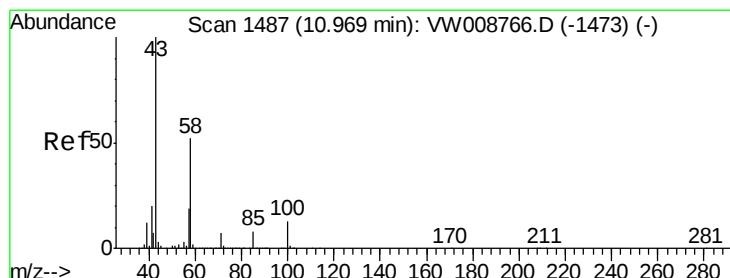
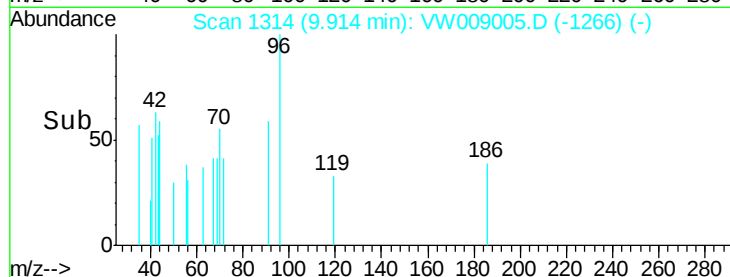
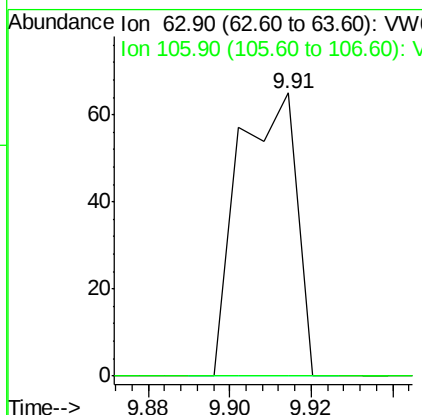
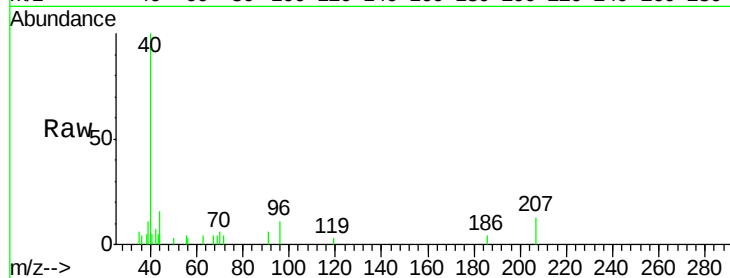




#58
2-Chloroethyl Vinyl ether
Concen: 1.017 ug/l
RT: 9.91 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

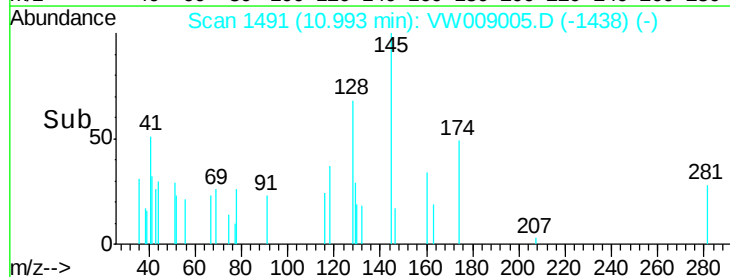
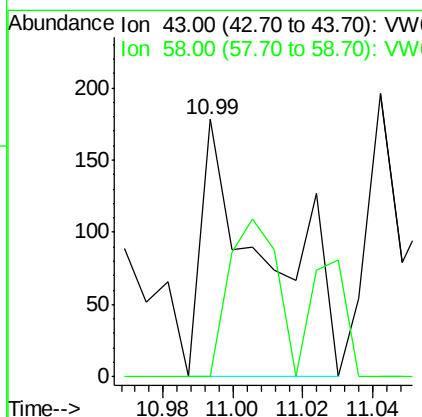
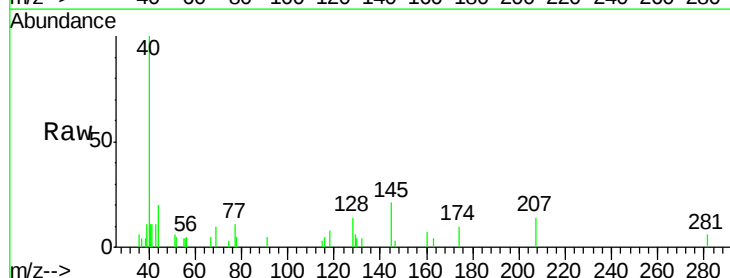
Instrument :
MSVOA_W
ClientSampled :

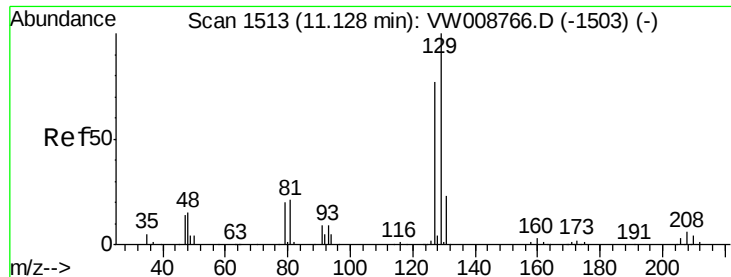
Tot Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 24.0 36.0#



#59
2-Hexanone
Concen: 3.591 ug/l
RT: 10.99 min Scan# 1491
Delta R.T. 0.02 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
58 45.6 25.3 75.8

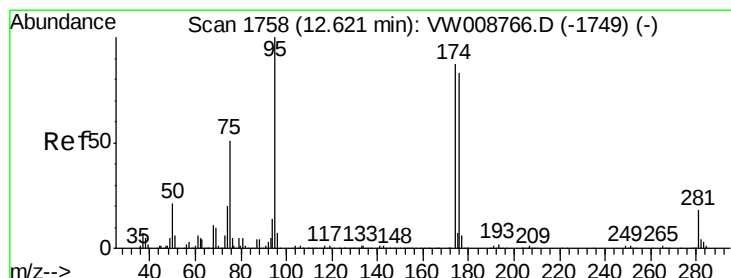
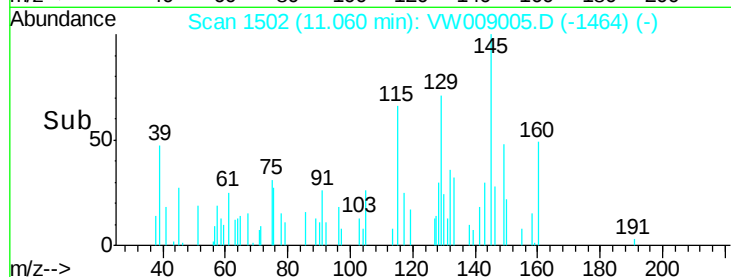
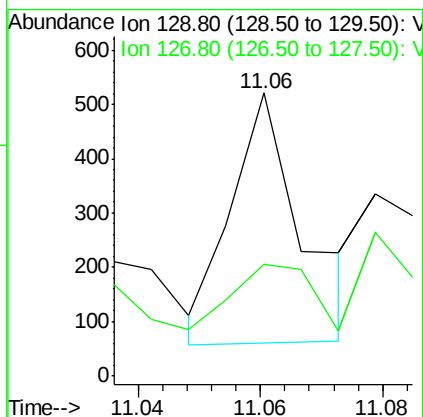
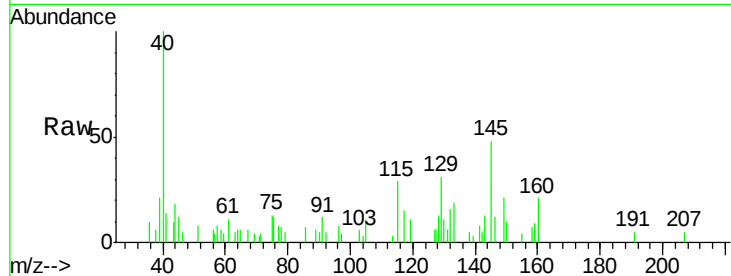




#60
Dibromochloromethane
Concen: 3.149 ug/l
RT: 11.06 min Scan# 1502
Delta R.T. -0.07 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

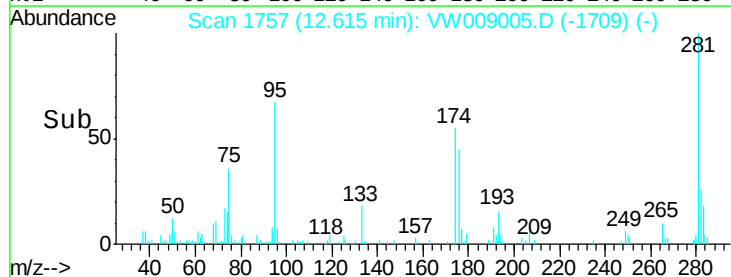
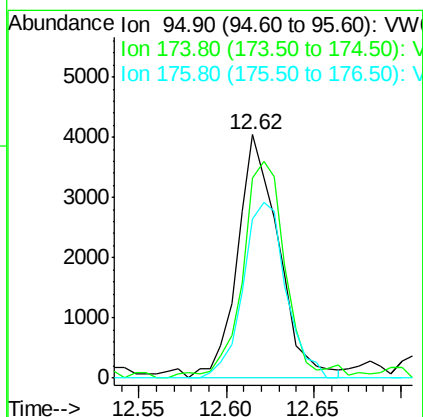
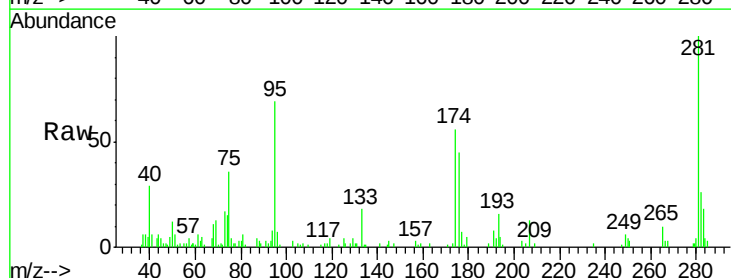
Instrument :
MSVOA_W
ClientSampled :

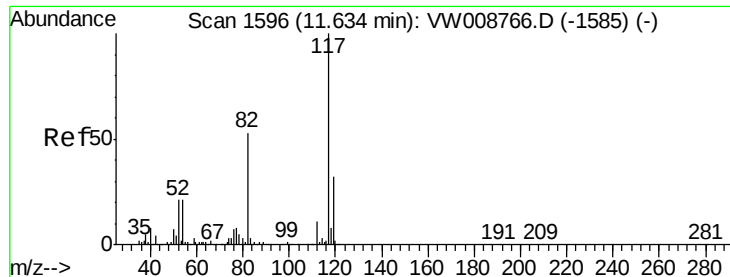
Tot Ion:129 Resp: 370
Ion Ratio Lower Upper
129 100
127 61.9 39.0 116.9



#62
4-Bromofluorobenzene
Concen: 37.367 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 95 Resp: 6594
Ion Ratio Lower Upper
95 100
174 94.0 0.0 169.2
176 75.4 0.0 163.6

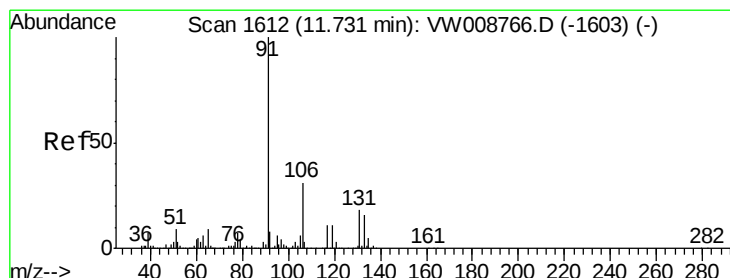
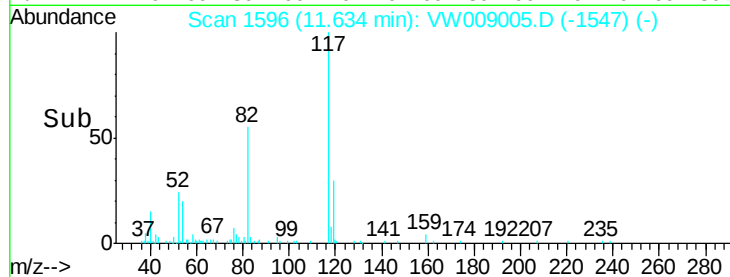
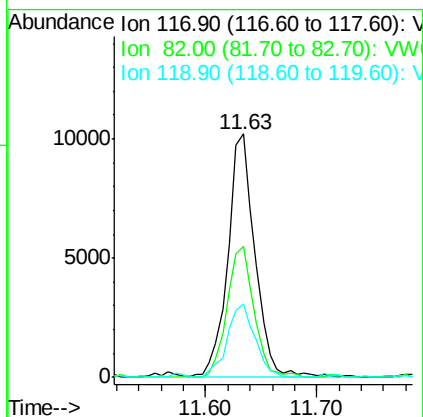
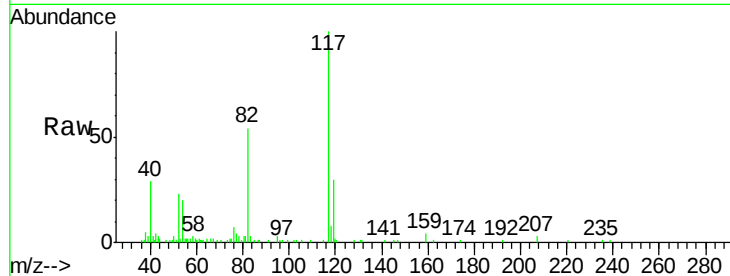




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

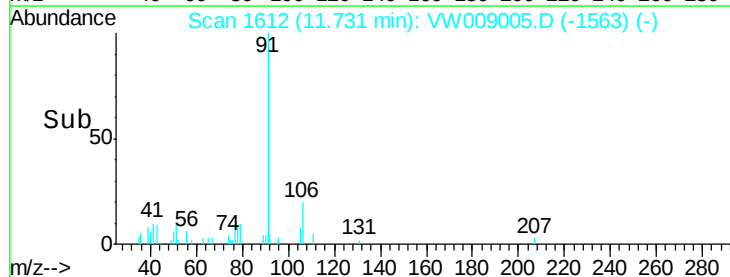
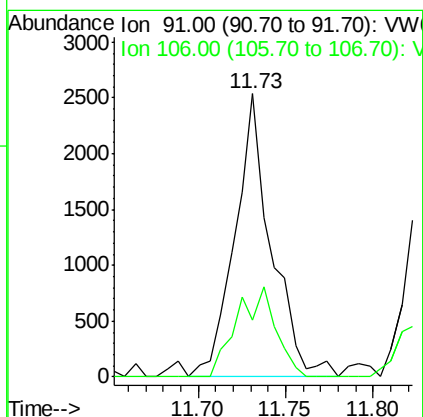
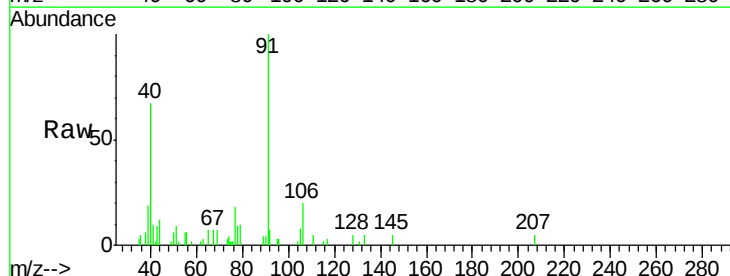
Instrument :
MSVOA_W
ClientSampleId :

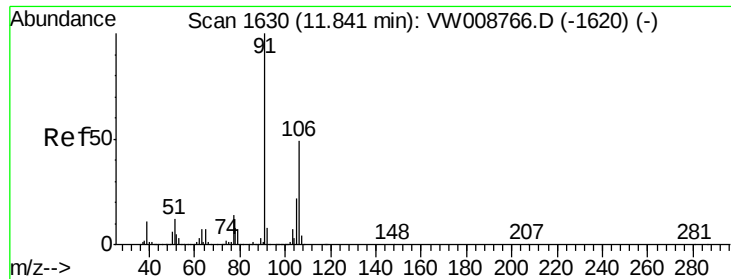
Tot Ion:117 Resp: 17249
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 30.0 25.9 38.9



#67
Ethyl Benzene
Concen: 5.645 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 91 Resp: 3660
Ion Ratio Lower Upper
91 100
106 20.3 25.0 37.6#

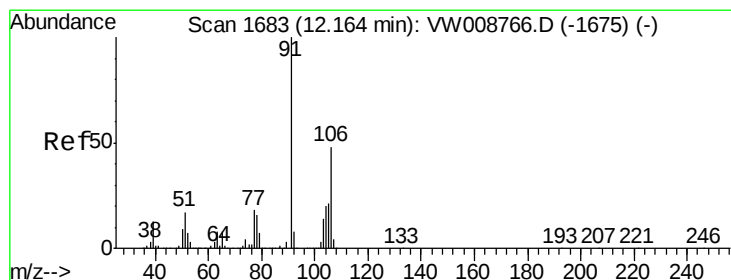
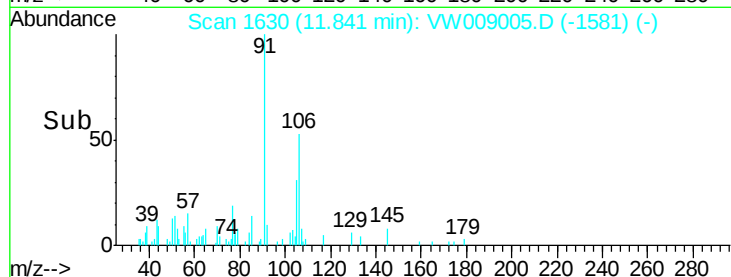
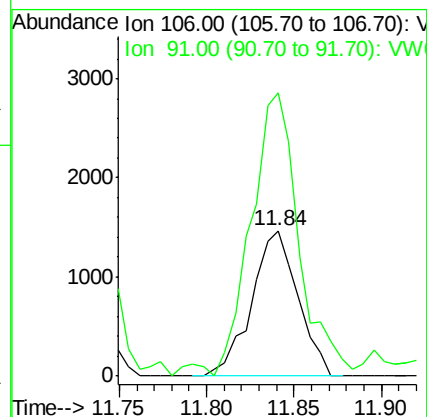
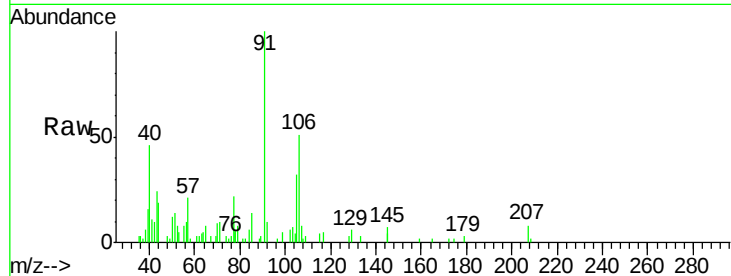




#68
m/p-Xylenes
Concen: 10.407 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

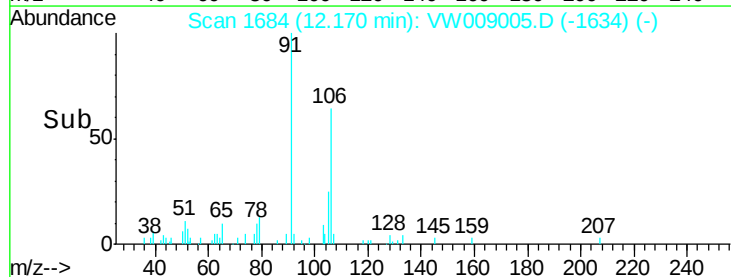
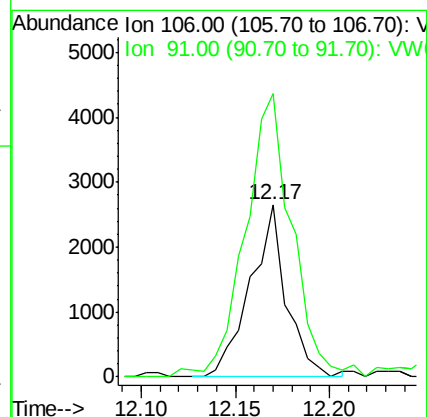
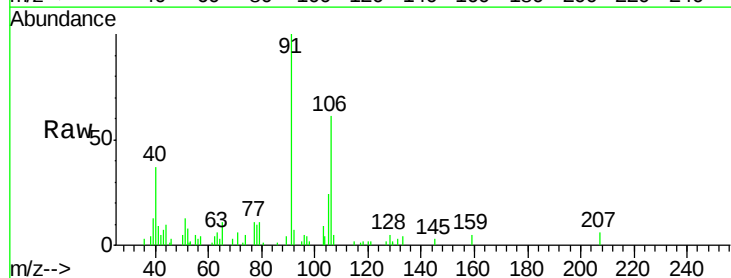
Instrument :
MSVOA_W
ClientSampleId :

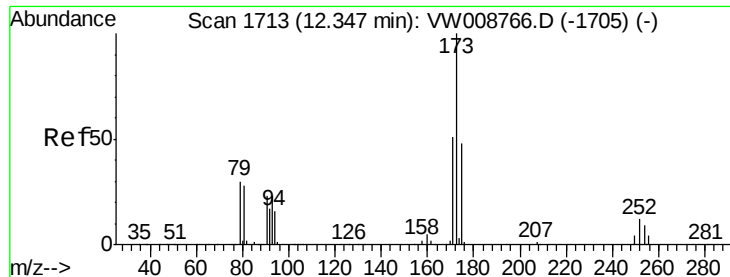
Tot Ion:106 Resp: 2696
Ion Ratio Lower Upper
106 100
91 201.5 161.5 242.3



#69
o-Xylene
Concen: 14.579 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion:106 Resp: 3545
Ion Ratio Lower Upper
106 100
91 211.2 106.2 318.6





#71

Bromoform

Concen: 3.307 ug/l

RT: 12.36 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

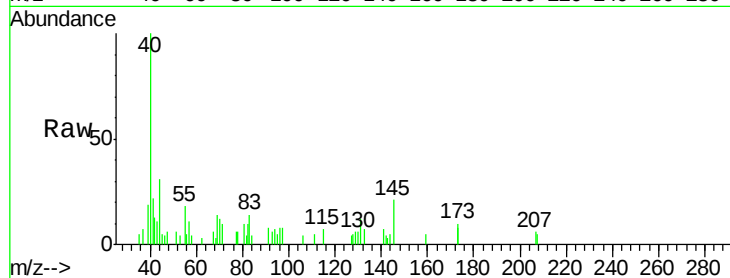
Tot Ion:173 Resp: 218

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

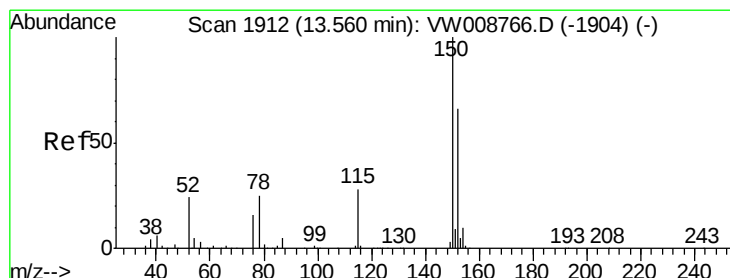
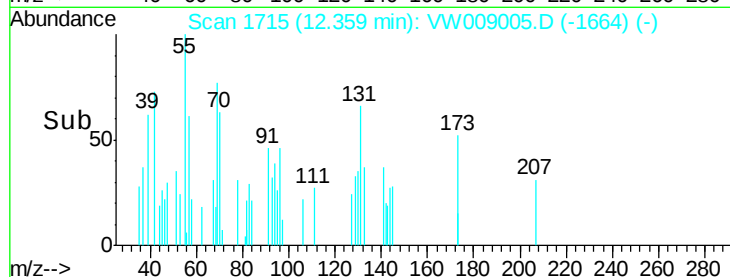
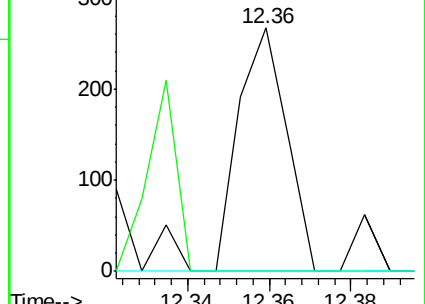
254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

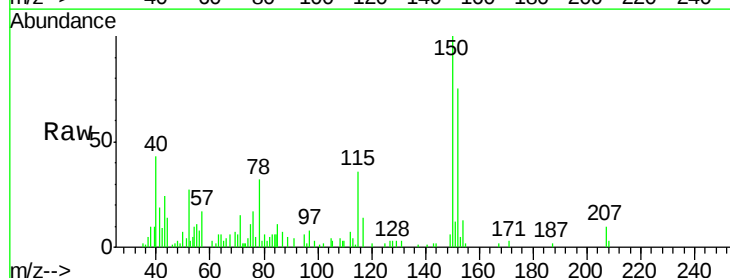
Tgt Ion:152 Resp: 5318

Ion Ratio Lower Upper

152 100

115 61.2 28.6 85.8

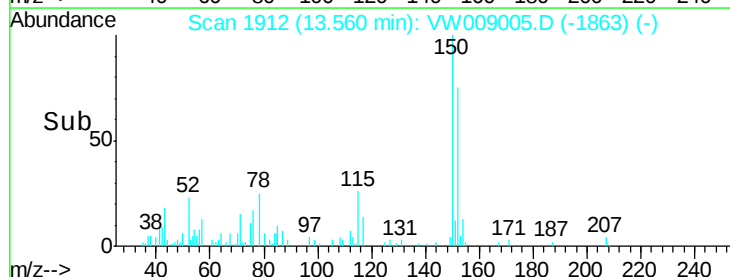
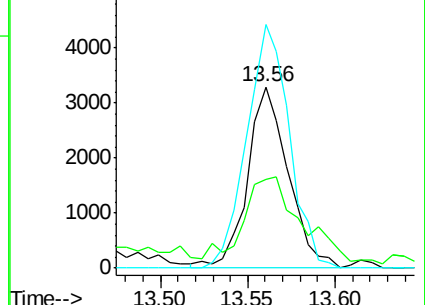
150 140.7 0.0 348.0

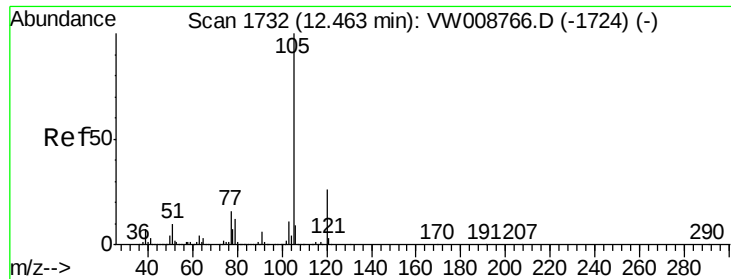


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.095 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

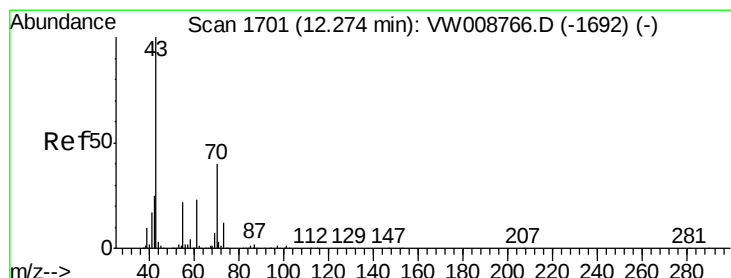
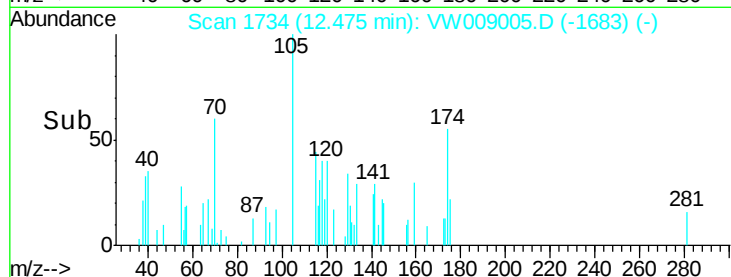
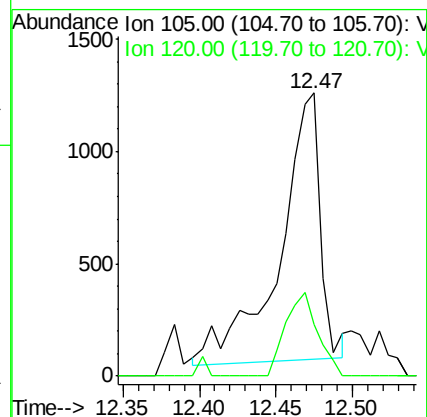
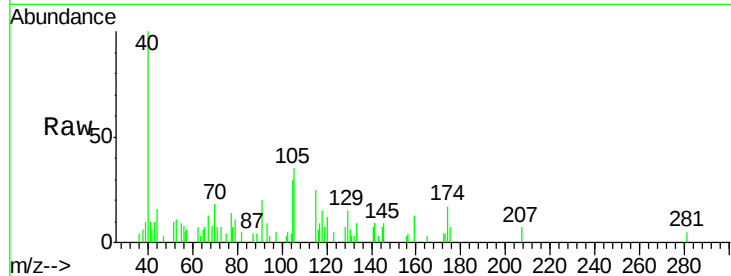
ClientSampled :

Tot Ion:105 Resp: 2222

Ion Ratio Lower Upper

105 100

120 24.5 13.3 39.9



#74

N-ethyl acetate

Concen: 9.125 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Tgt Ion: 43 Resp: 838

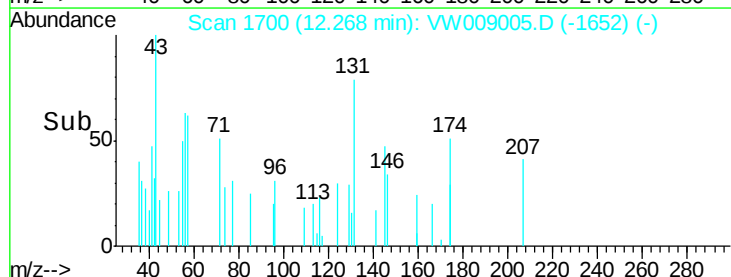
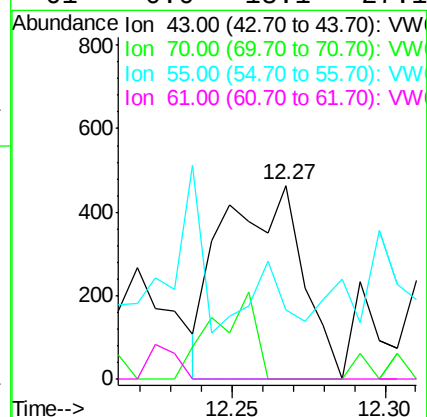
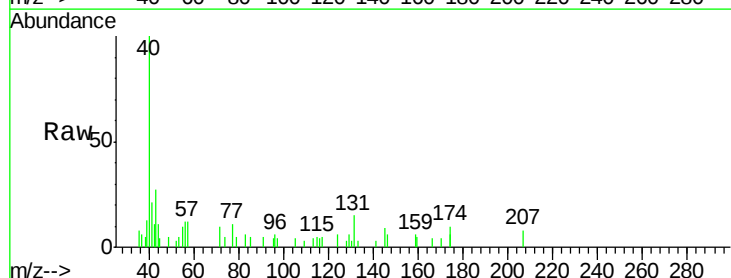
Ion Ratio Lower Upper

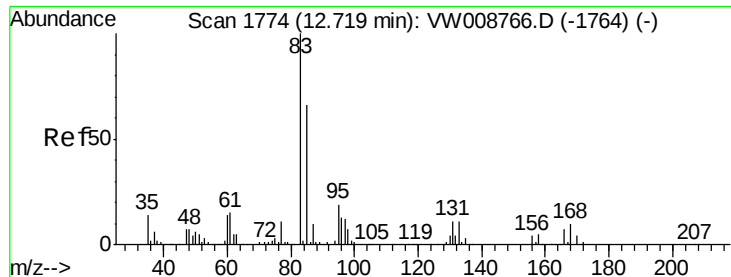
43 100

70 23.7 31.0 46.6#

55 9.4 18.7 28.1#

61 0.0 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 7.437 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.05 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

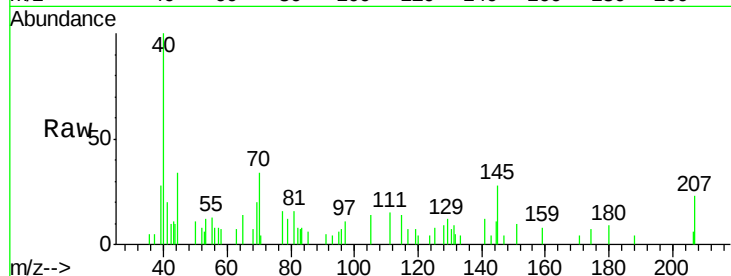
Tot Ion: 83 Resp: 443

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

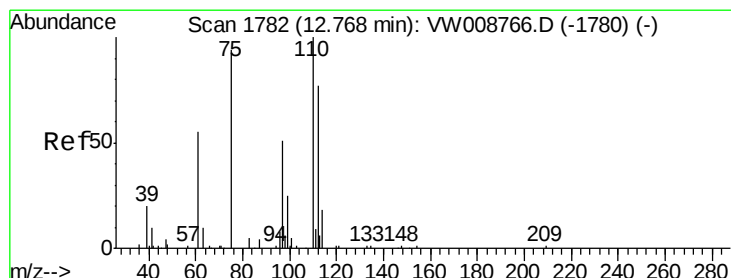
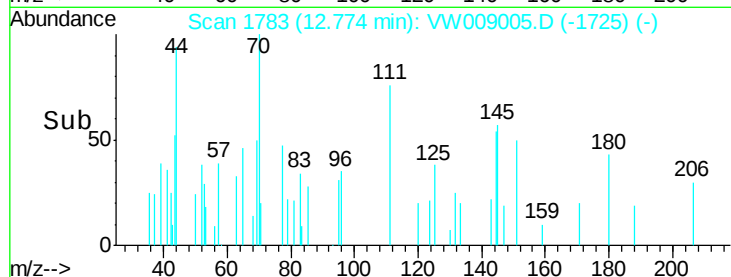
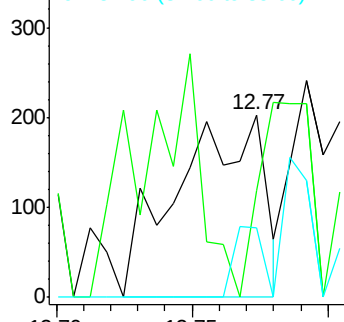
85 0.0 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.213 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.11 min

Lab File: VW009005.D

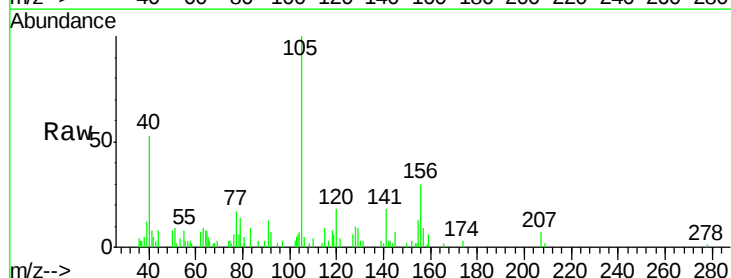
Acq: 05 Mar 2019 19:03

Tgt Ion: 75 Resp: 185

Ion Ratio Lower Upper

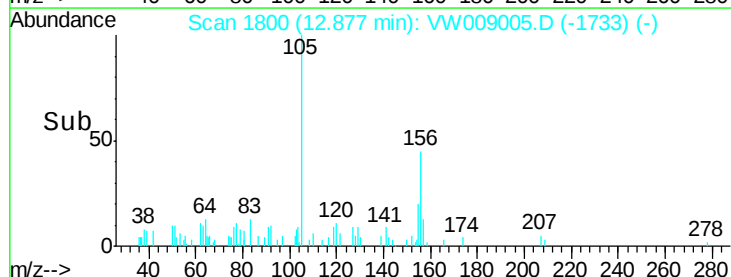
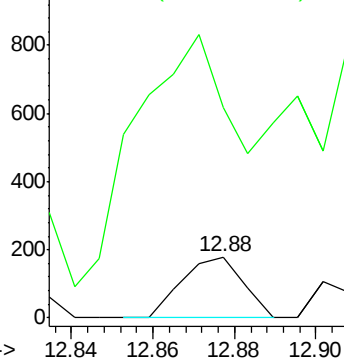
75 100

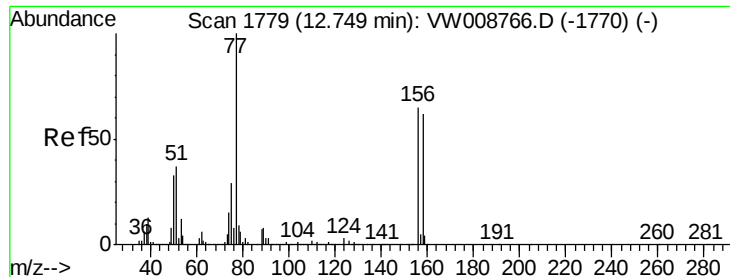
77 667.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 38.095 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.12 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

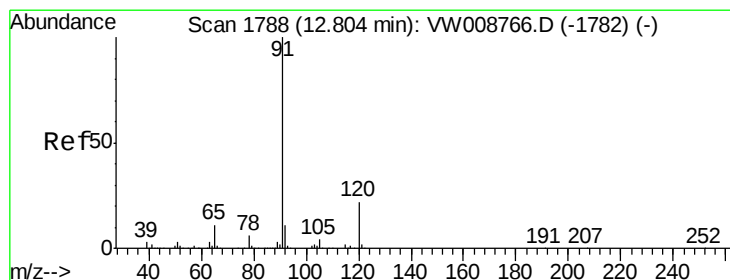
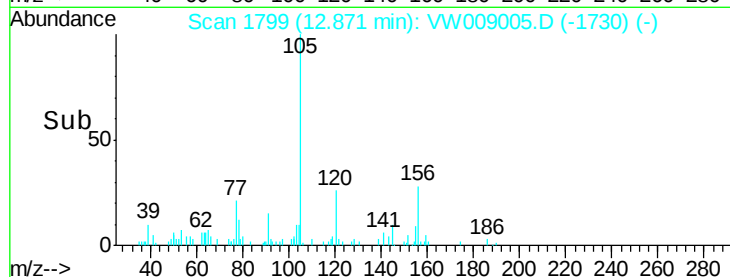
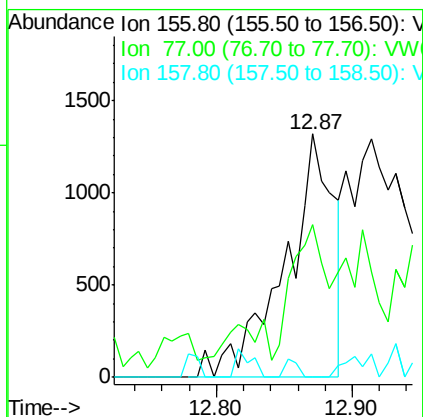
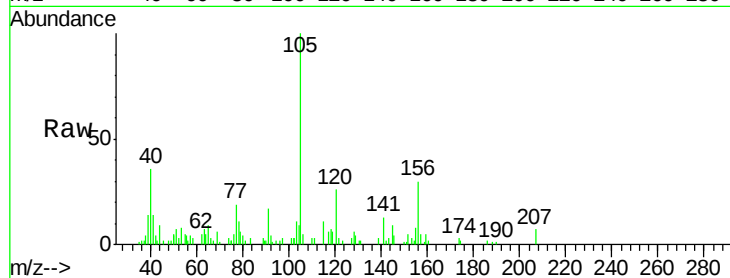
Tot Ion:156 Resp: 3282

Ion Ratio Lower Upper

156 100

77 37.6 89.1 267.4#

158 0.0 49.2 147.6#



#78

n-propylbenzene

Concen: 10.326 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009005.D

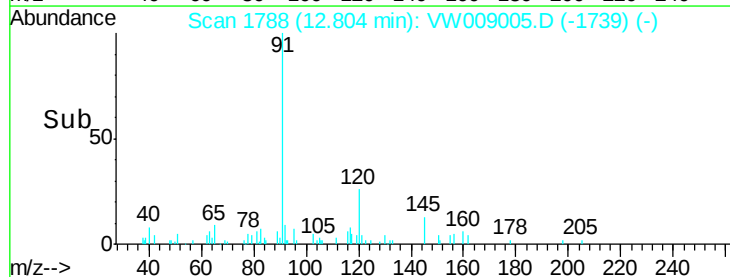
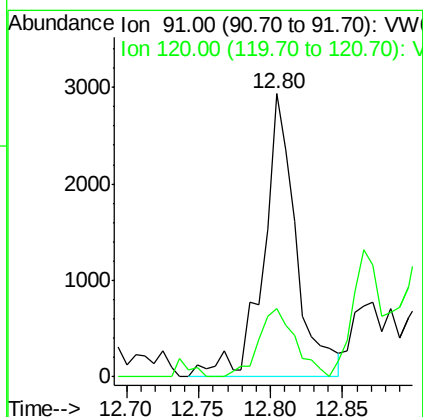
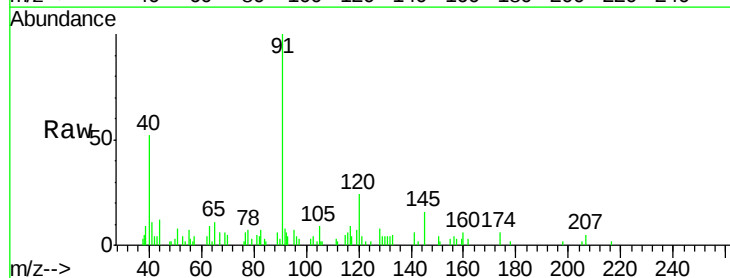
Acq: 05 Mar 2019 19:03

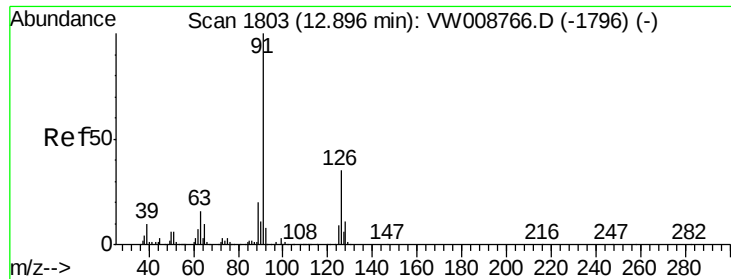
Tgt Ion: 91 Resp: 4605

Ion Ratio Lower Upper

91 100

120 27.3 11.5 34.4

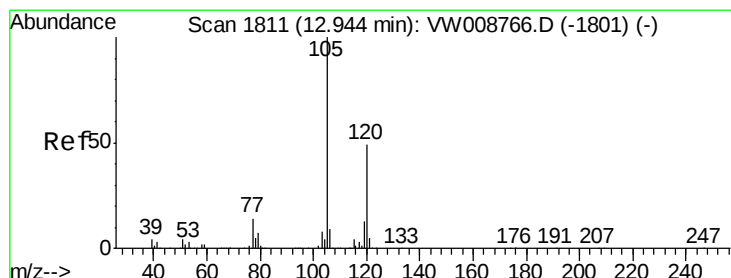
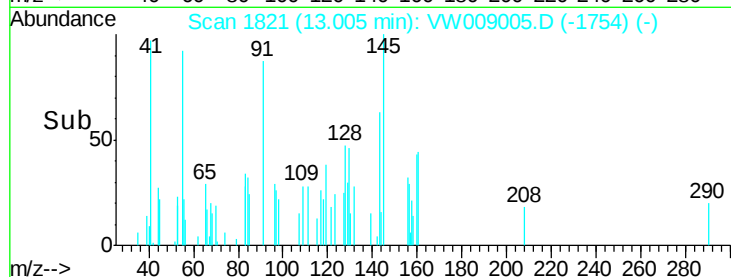
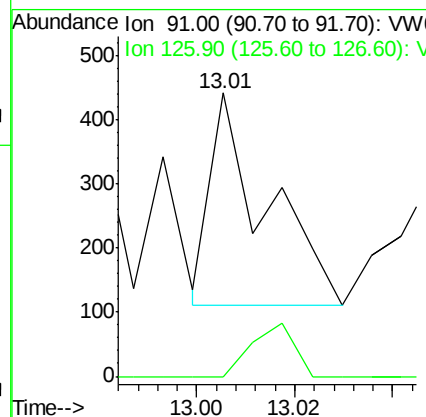
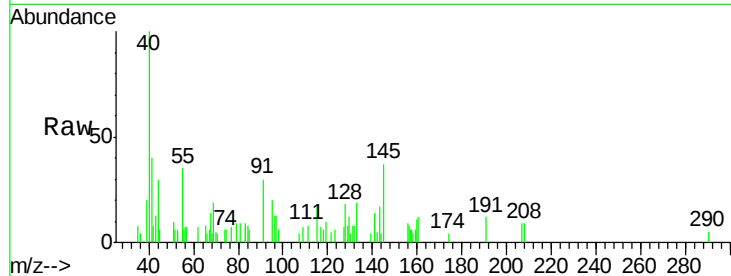




#79
 2-Chlorotoluene
 Concen: 1.035 ug/l
 RT: 13.01 min Scan# 1821
 Delta R.T. 0.11 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

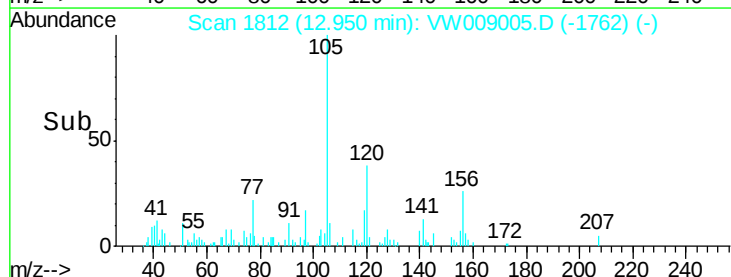
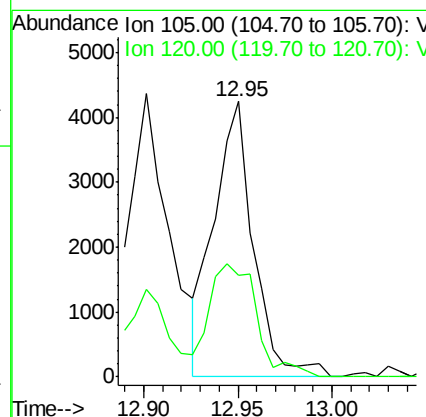
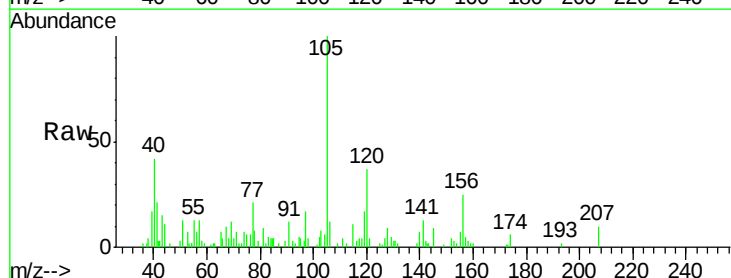
Instrument :
 MSVOA_W
 ClientSampled :

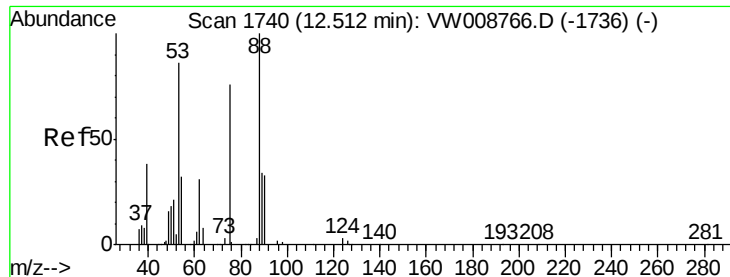
Tot Ion: 91 Resp: 262
 Ion Ratio Lower Upper
 91 100
 126 19.1 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.551 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

Tgt Ion:105 Resp: 6194
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 6.810 ug/l

RT: 12.51 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

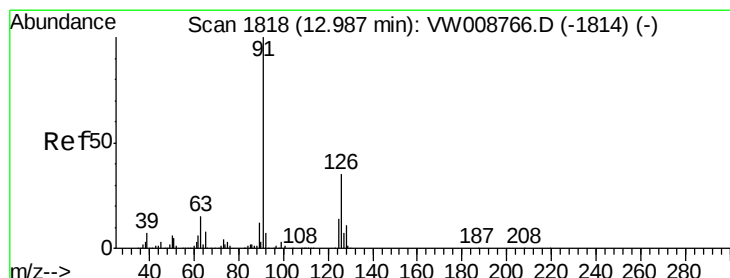
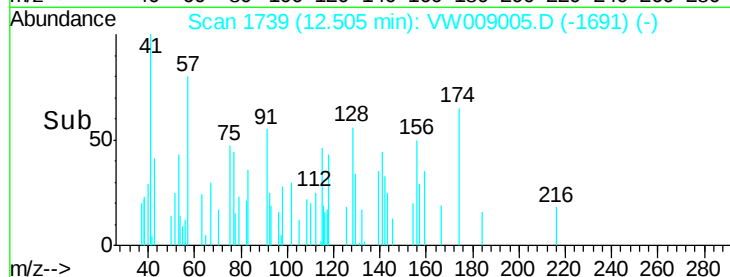
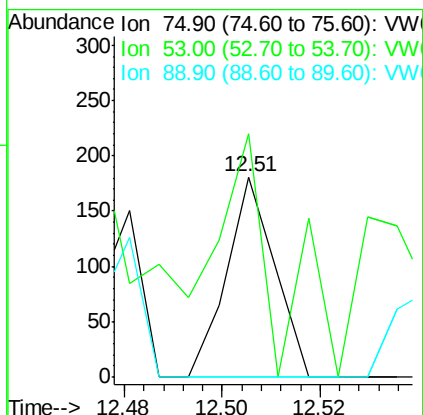
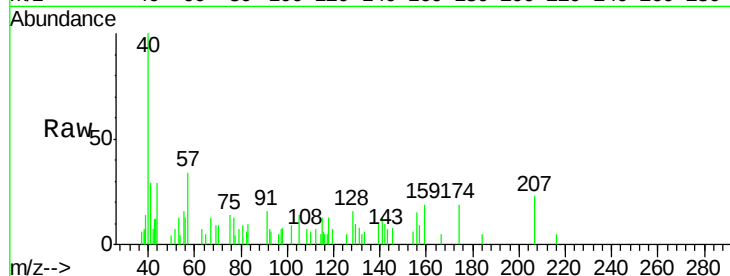
Tot Ion: 75 Resp: 123

Ion Ratio Lower Upper

75 100

53 145.5 88.2 132.2#

89 0.0 39.5 59.3#



#82

4-Chlorotoluene

Concen: 1.087 ug/l

RT: 13.01 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VW009005.D

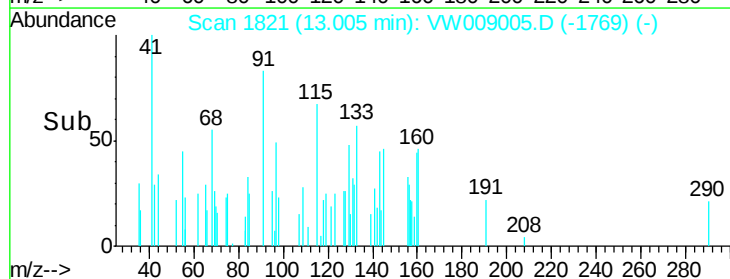
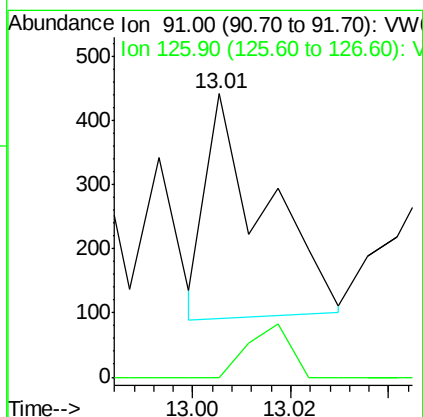
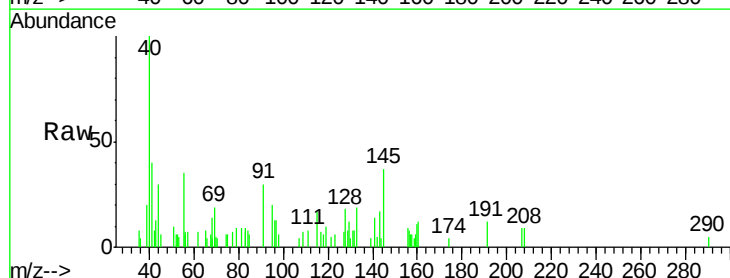
Acq: 05 Mar 2019 19:03

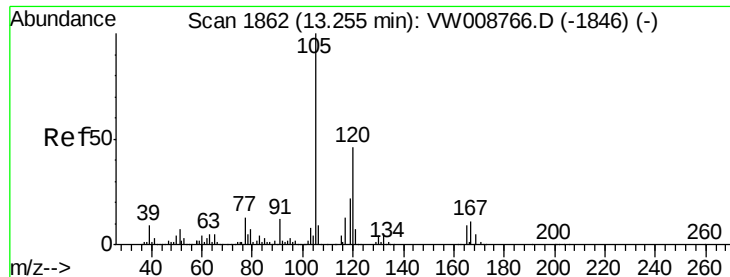
Tgt Ion: 91 Resp: 290

Ion Ratio Lower Upper

91 100

126 17.2 17.2 51.6

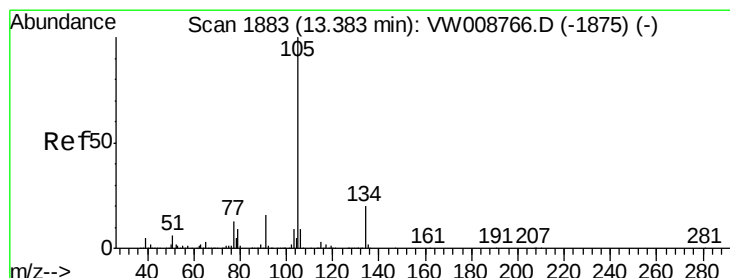
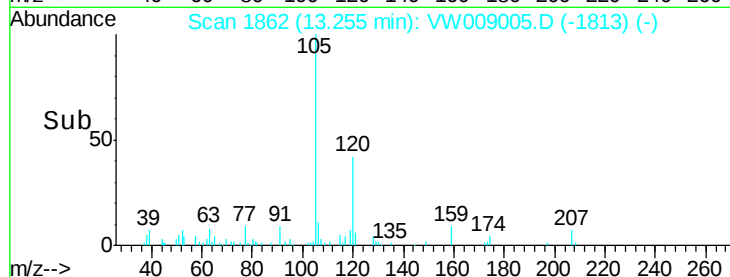
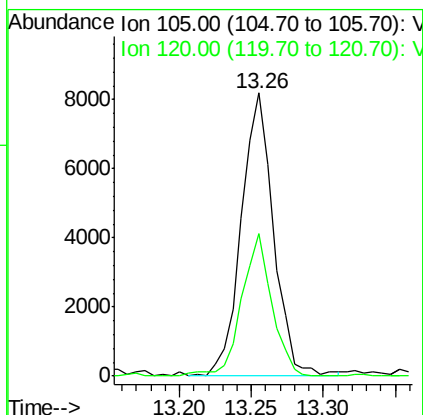
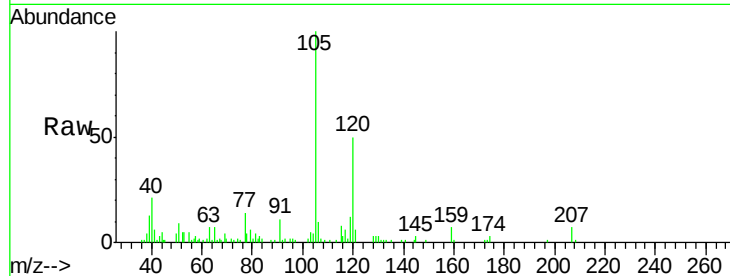




#84
 1,2,4-Trimethylbenzene
 Concen: 38.797 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

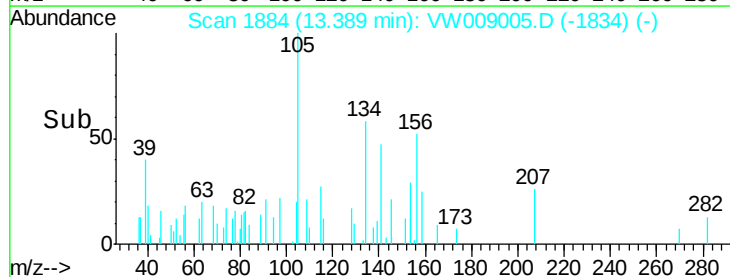
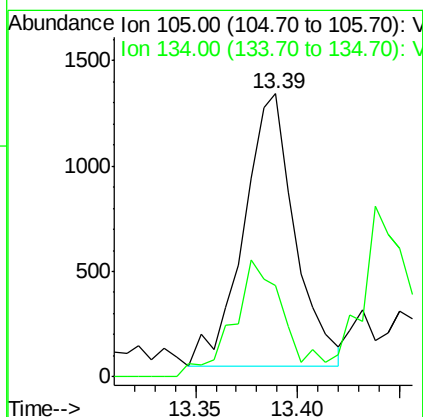
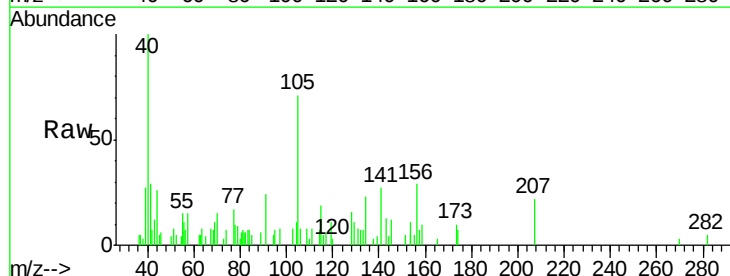
Instrument :
 MSVOA_W
 ClientSampleId :

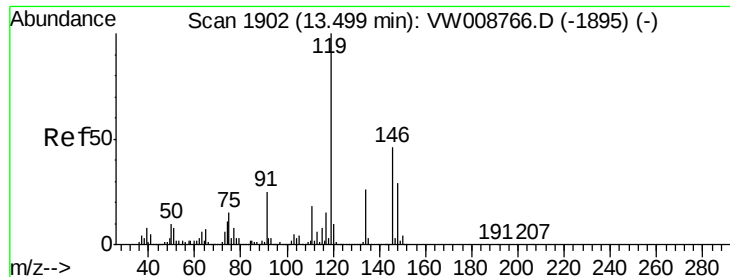
Tot Ion:105 Resp: 12724
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 5.735 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009005.D
 Acq: 05 Mar 2019 19:03

Tgt Ion:105 Resp: 2259
 Ion Ratio Lower Upper
 105 100
 134 43.1 10.4 31.1#

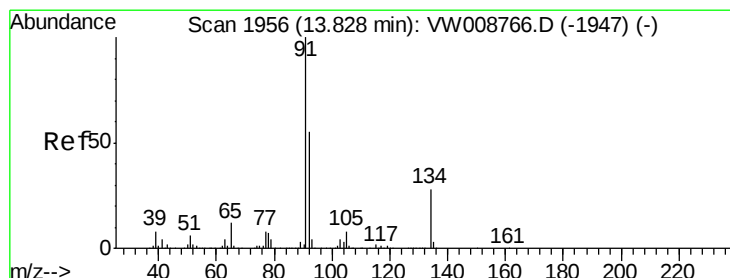
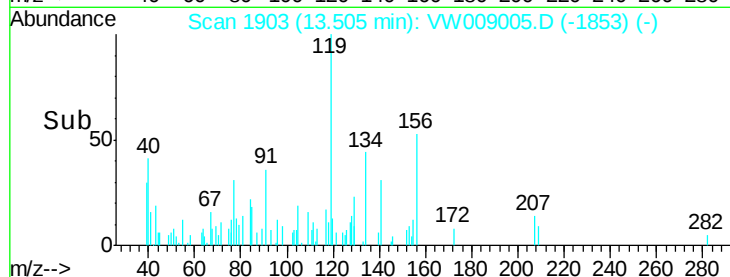
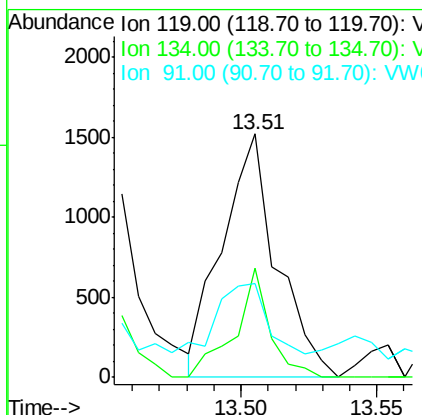
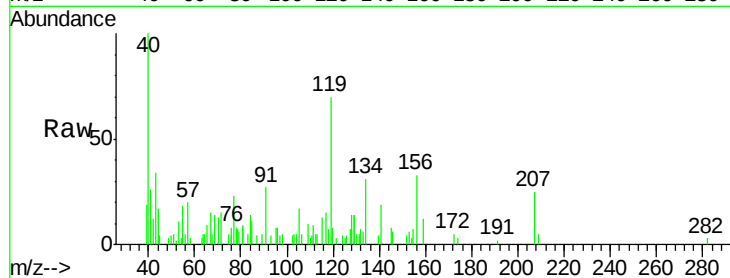




#86
p-Isopropyltoluene
Concen: 5.888 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

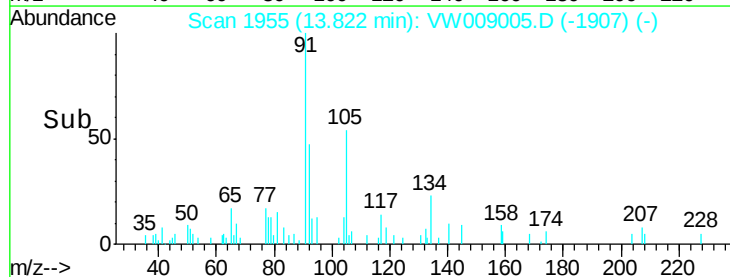
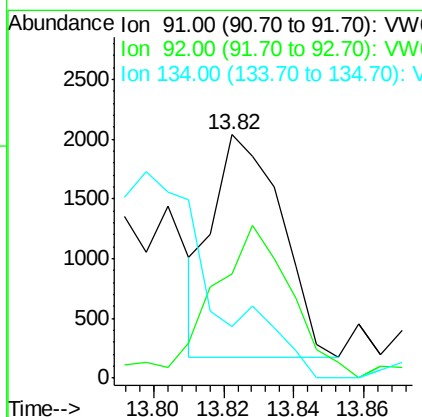
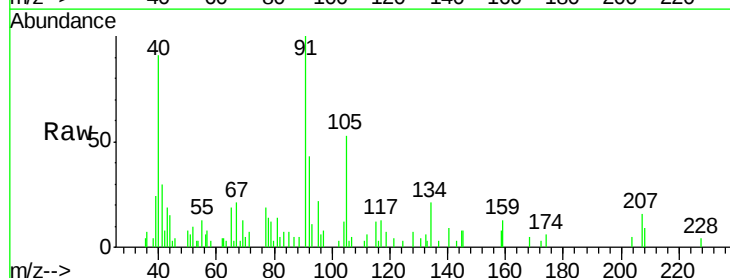
Instrument :
MSVOA_W
ClientSampled :

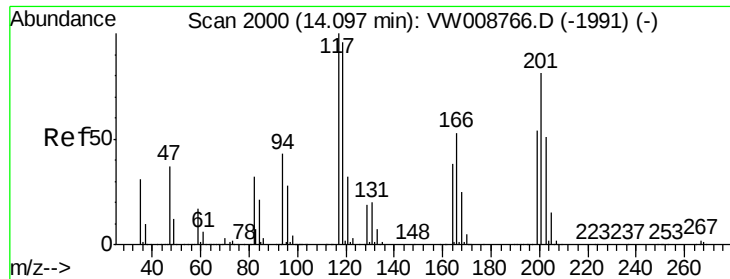
Tot Ion: 119 Resp: 2126
Ion Ratio Lower Upper
119 100
134 28.6 13.1 39.3
91 26.2 12.1 36.3



#89
n-Butylbenzene
Concen: 7.458 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion: 91 Resp: 2523
Ion Ratio Lower Upper
91 100
92 76.0 26.8 80.4
134 0.0 13.5 40.4#





#90

Hexachloroethane

Concen: 21.213 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

Instrument :

MSVOA_W

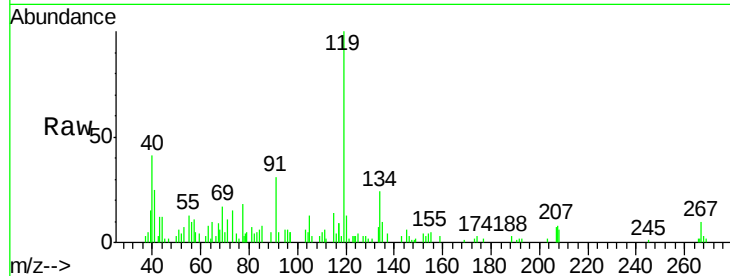
ClientSampled :

Tot Ion:117 Resp: 1254

Ion Ratio Lower Upper

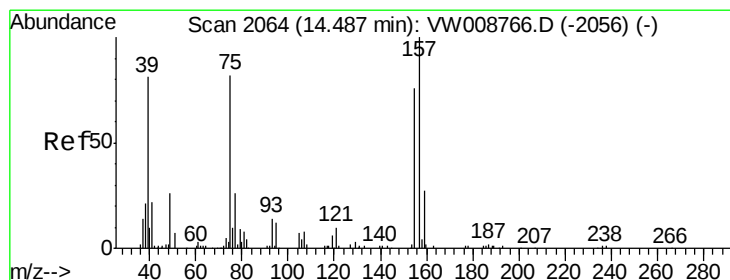
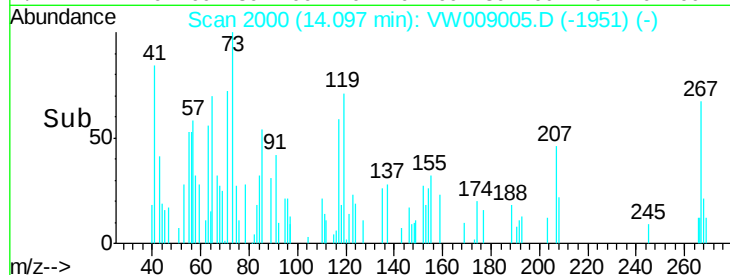
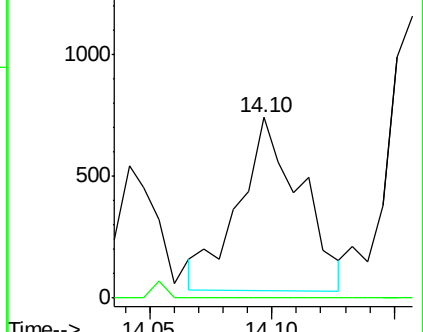
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.640 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW009005.D

Acq: 05 Mar 2019 19:03

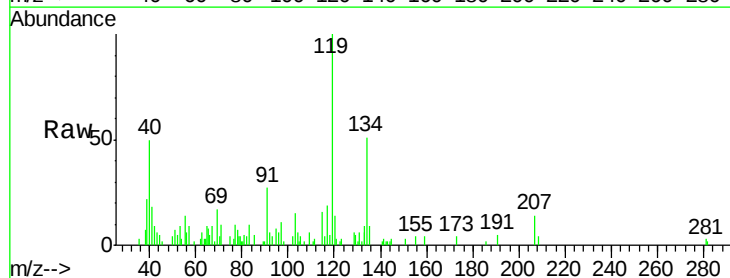
Tgt Ion: 75 Resp: 50

Ion Ratio Lower Upper

75 100

155 226.0 41.8 125.4#

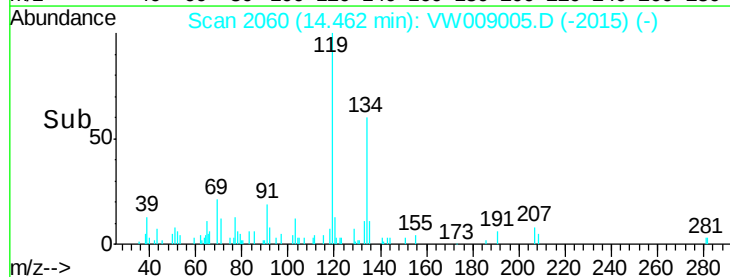
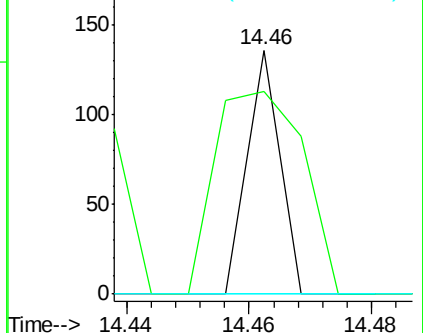
157 0.0 56.6 169.9#

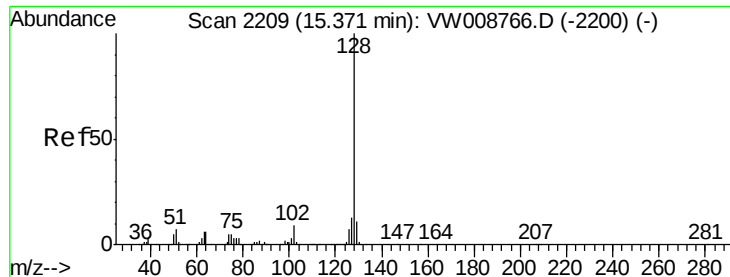


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

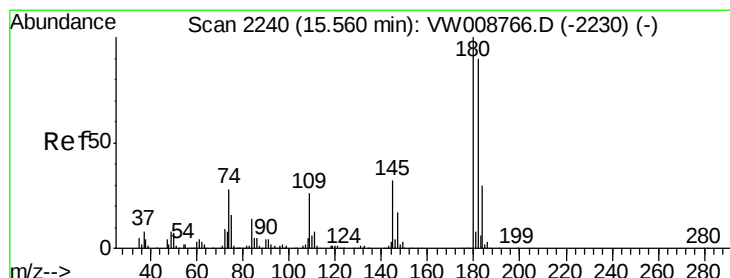
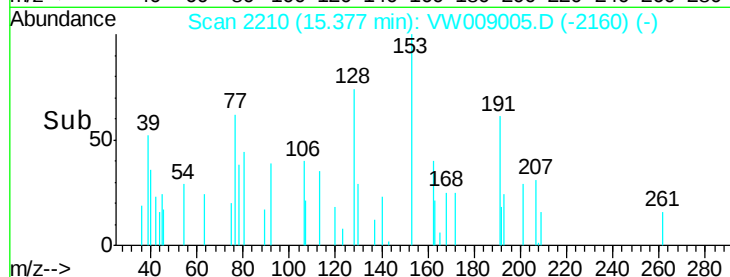
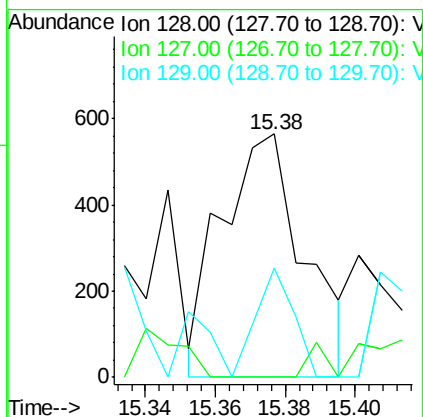
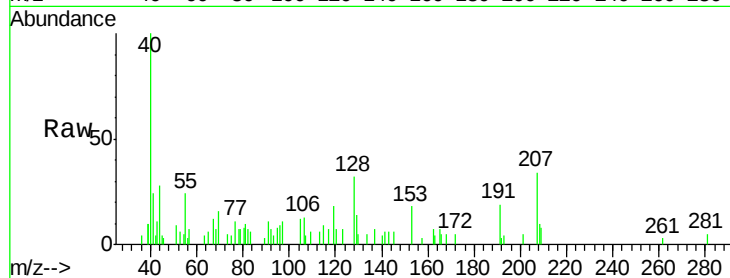




#95
Naphthalene
Concen: 4.750 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 928
Ion Ratio Lower Upper
128 100
127 3.1 10.8 16.2#
129 20.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.643 ug/l
RT: 15.57 min Scan# 2242
Delta R.T. 0.01 min
Lab File: VW009005.D
Acq: 05 Mar 2019 19:03

Tgt Ion:180 Resp: 163
Ion Ratio Lower Upper
180 100
182 47.2 46.9 140.8
145 0.0 15.9 47.6#

