

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008991.D
 Acq On : 05 Mar 2019 12:44
 Operator : SY/VA
 Sample : VW0305SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:47:51 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	276400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209845	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	125789	48.52	ug/l	0.00
Spiked Amount						
			Recovery	=	97.04%	
35) Dibromofluoromethane	7.88	113	113385	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=	94.74%	
50) Toluene-d8	10.32	98	449203	48.61	ug/l	0.00
Spiked Amount						
			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.62	95	174965	48.36	ug/l	0.00
Spiked Amount						
			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	52775	19.064	ug/l	96
3) Chloromethane	2.21	50	66678	19.787	ug/l	99
4) Vinyl Chloride	2.35	62	68178	19.109	ug/l	99
5) Bromomethane	2.76	94	66297	25.017	ug/l	99
6) Chloroethane	2.92	64	51377	20.278	ug/l	98
7) Trichlorofluoromethane	3.26	101	94317	20.901	ug/l	98
8) Diethyl Ether	3.68	74	27874	19.511	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57995	21.164	ug/l	99
10) Methyl Iodide	4.27	142	53023	15.474	ug/l	99
11) Tert butyl alcohol	5.20	59	18783	81.385	ug/l #	79
12) 1,1-Dichloroethene	4.04	96	50781	20.983	ug/l	96
13) Acrolein	3.90	56	15275	77.563	ug/l	95
14) Allyl chloride	4.67	41	85015	20.354	ug/l	95
15) Acrylonitrile	5.37	53	59024	96.269	ug/l	98
16) Acetone	4.14	43	57811	96.208	ug/l	99
17) Carbon Disulfide	4.37	76	153145	19.073	ug/l	98
18) Methyl Acetate	4.68	43	27294	19.150	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	131888	20.134	ug/l	99
20) Methylene Chloride	4.92	84	64559	18.601	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56103	20.041	ug/l	92
22) Diisopropyl ether	6.32	45	174830	20.983	ug/l	96
23) Vinyl Acetate	6.26	43	525961	102.169	ug/l	99
24) 1,1-Dichloroethane	6.22	63	102698	21.270	ug/l	98
25) 2-Butanone	7.17	43	84250	100.287	ug/l	96
26) 2,2-Dichloropropane	7.17	77	94677	21.599	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	61317	20.477	ug/l	99
28) Bromochloromethane	7.51	49	44579	22.064	ug/l	98
29) Tetrahydrofuran	7.53	42	50993	95.249	ug/l	99
30) Chloroform	7.67	83	104207	21.038	ug/l	96
31) Cyclohexane	7.95	56	99298	20.318	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	98013	21.759	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84999	21.901	ug/l	98
37) Ethyl Acetate	7.26	43	37820	20.956	ug/l	97
38) Carbon Tetrachloride	8.07	117	88756	21.685	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99127	20.477	ug/l	97
40) Benzene	8.32	78	221791	20.931	ug/l	98
41) Methacrylonitrile	7.49	41	21143	19.930	ug/l	95
42) 1,2-Dichloroethane	8.40	62	71573	21.322	ug/l	100
43) Isopropyl Acetate	8.43	43	69123	19.190	ug/l	98
44) Trichloroethene	9.09	130	62740	21.018	ug/l	95
45) 1,2-Dichloropropane	9.37	63	57139	21.821	ug/l	99
46) Dibromomethane	9.46	93	30019	20.610	ug/l	95
47) Bromodichloromethane	9.64	83	76871	21.692	ug/l	94
48) Methyl methacrylate	9.43	41	31306	18.147	ug/l	93
49) 1,4-Dioxane	9.46	88	7434	318.717	ug/l #	69
51) 4-Methyl-2-Pentanone	10.21	43	175221	95.817	ug/l	100
52) Toluene	10.39	92	151621	21.083	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74067	20.506	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	86242	20.935	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	41047	20.780	ug/l	96
56) Ethyl methacrylate	10.65	69	49015	19.100	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71728	20.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	138460	107.275	ug/l	99
59) 2-Hexanone	10.97	43	126548	97.214	ug/l	99
60) Dibromochloromethane	11.13	129	49773	20.659	ug/l	96
61) 1,2-Dibromoethane	11.24	107	39071	19.983	ug/l	100
64) Tetrachloroethene	10.86	164	56493	20.654	ug/l	96
65) Chlorobenzene	11.66	112	166665	20.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	54728	20.145	ug/l	96
67) Ethyl Benzene	11.73	91	299474	20.850	ug/l	99
68) m/p-Xylenes	11.84	106	239239	41.688	ug/l	99
69) o-Xylene	12.17	106	110833	20.576	ug/l	97
70) Styrene	12.18	104	176594	20.378	ug/l	99
71) Bromoform	12.35	173	28652	19.621	ug/l #	95
73) Isopropylbenzene	12.47	105	305634	21.246	ug/l	100
74) N-amyl acetate	12.27	43	68838	18.997	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45836	19.500	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65805	37.982	ug/l #	100
77) Bromobenzene	12.75	156	70756	20.814	ug/l	99
78) n-propylbenzene	12.80	91	380217	21.607	ug/l	100
79) 2-Chlorotoluene	12.90	91	213624	21.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	263432	21.072	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14365	20.157	ug/l	96
82) 4-Chlorotoluene	12.99	91	220625	20.955	ug/l	99
83) tert-Butylbenzene	13.21	119	233341	21.587	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	266436	20.588	ug/l	100
85) sec-Butylbenzene	13.38	105	331011	21.296	ug/l	99
86) p-Isopropyltoluene	13.50	119	296156	20.784	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	149305	21.169	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149155	21.457	ug/l	99
89) n-Butylbenzene	13.83	91	279495	20.937	ug/l	99
90) Hexachloroethane	14.10	117	50165	21.506	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	131050	20.853	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8483	19.950	ug/l	90

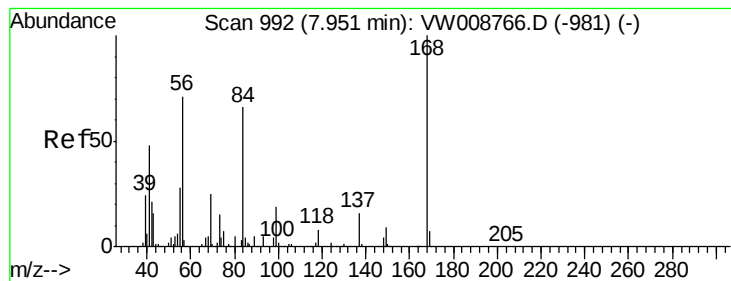
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89287	19.718	ug/l	98
94) Hexachlorobutadiene	15.24	225	58314	21.863	ug/l	99
95) Naphthalene	15.37	128	142233	18.449	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	77082	19.688	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

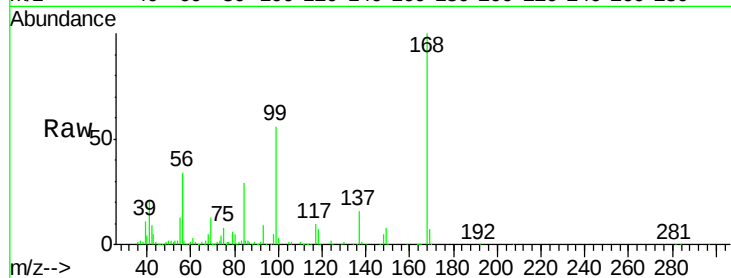
ClientSampled :

Tot Ion:168 Resp: 276400

Ion Ratio Lower Upper

168 100

99 55.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

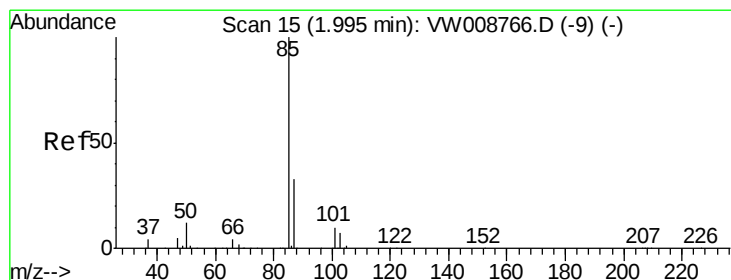
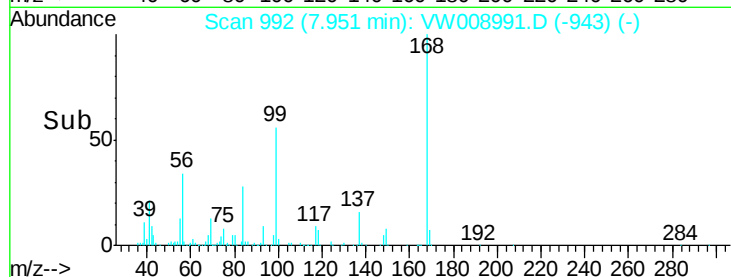
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.064 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008991.D

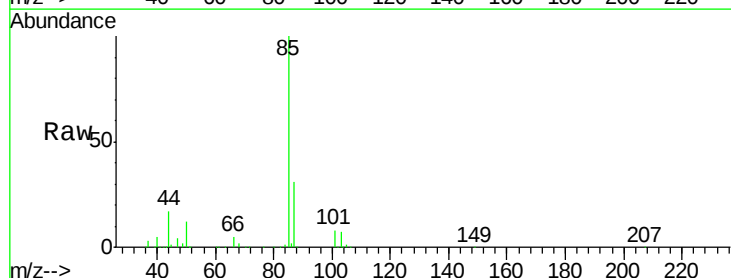
Acq: 05 Mar 2019 12:44

Tgt Ion: 85 Resp: 52775

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

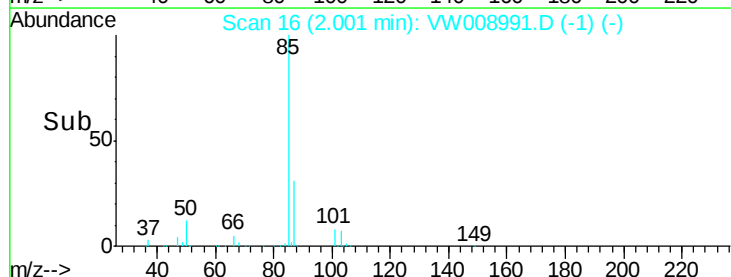
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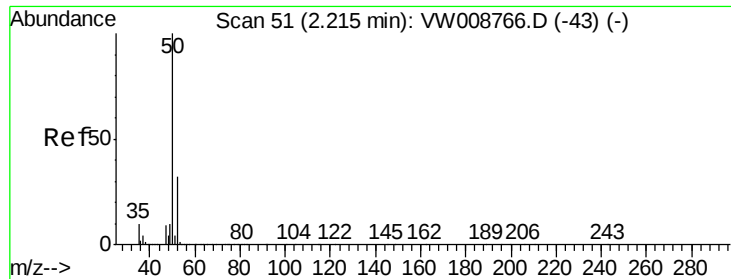
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.787 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

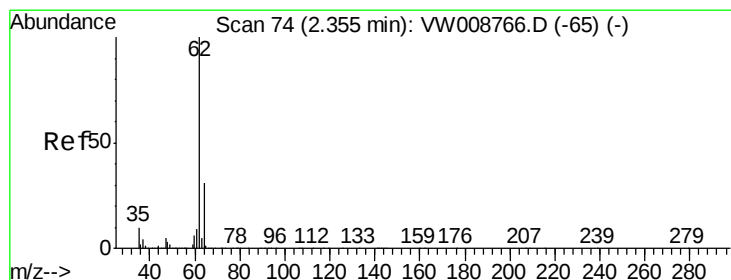
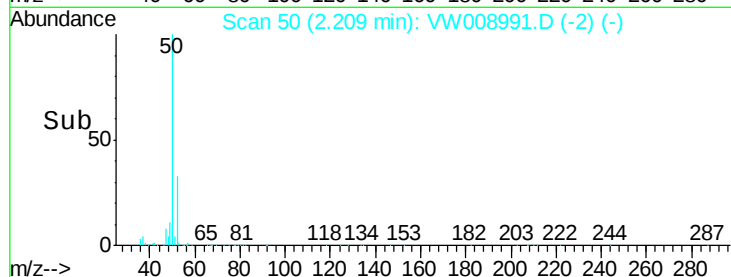
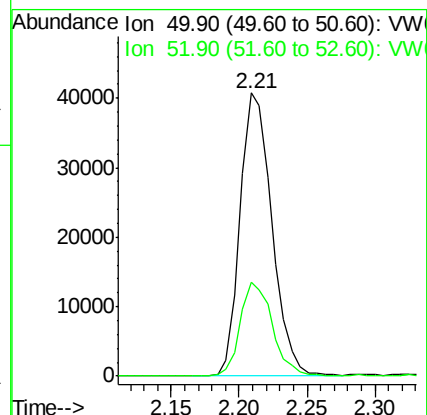
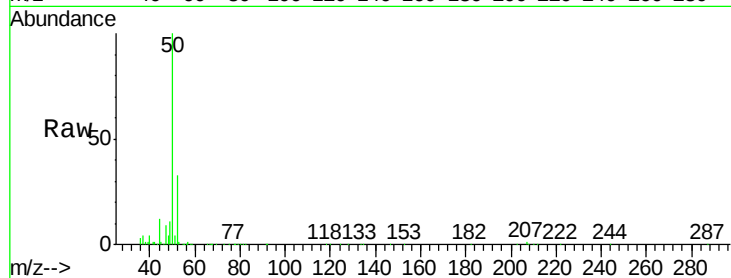
ClientSampleId :

Tot Ion: 50 Resp: 66678

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



#4

Vinyl Chloride

Concen: 19.109 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008991.D

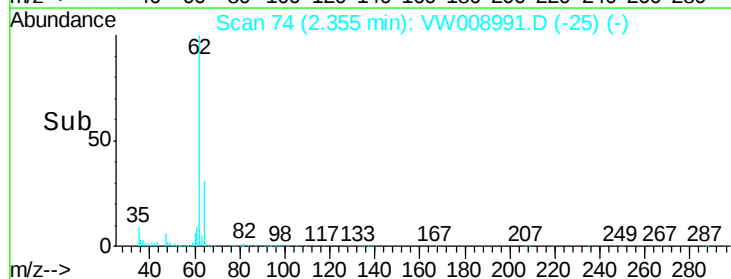
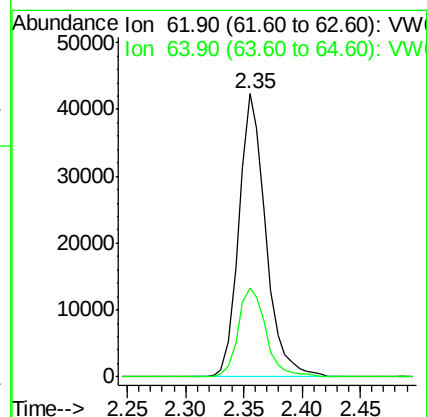
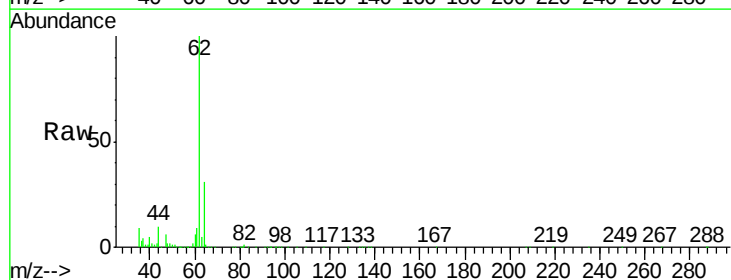
Acq: 05 Mar 2019 12:44

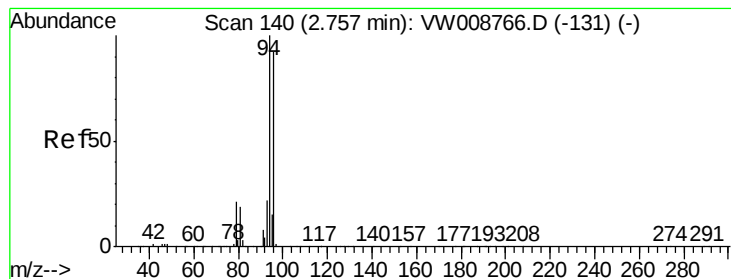
Tgt Ion: 62 Resp: 68178

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3





#5

Bromomethane

Concen: 25.017 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

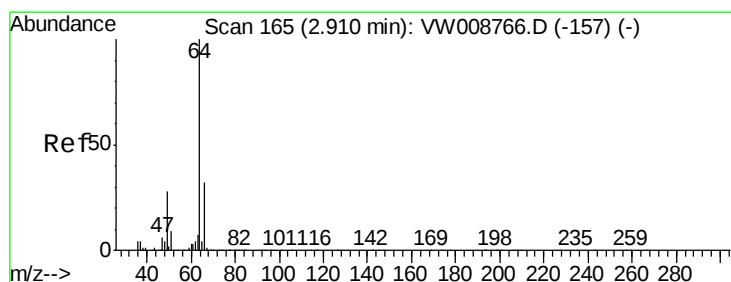
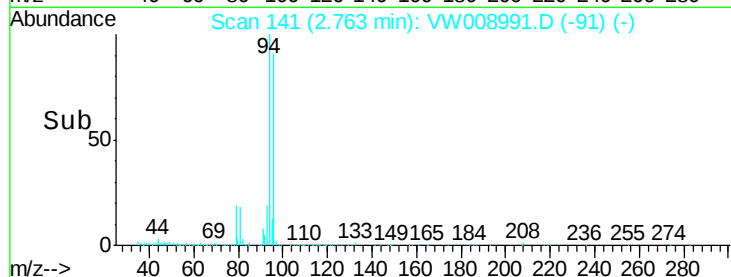
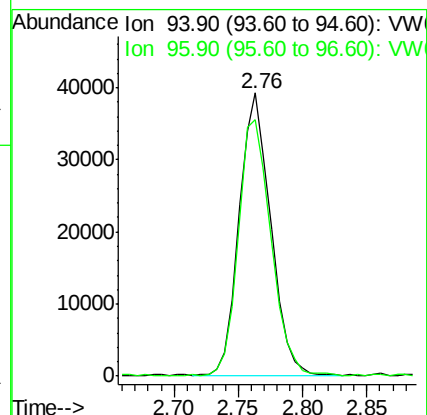
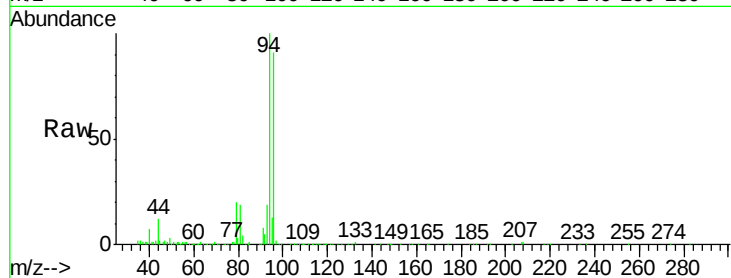
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 66297

Ion Ratio Lower Upper

94 100

96 90.5 73.4 110.2



#6

Chloroethane

Concen: 20.278 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008991.D

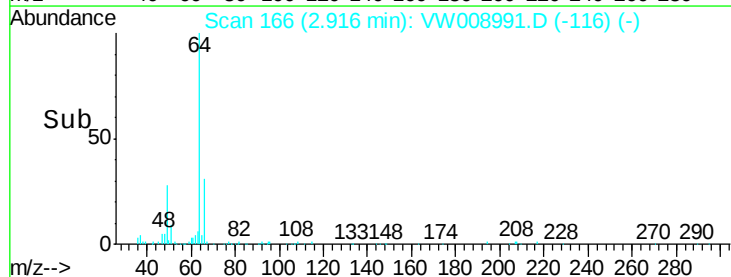
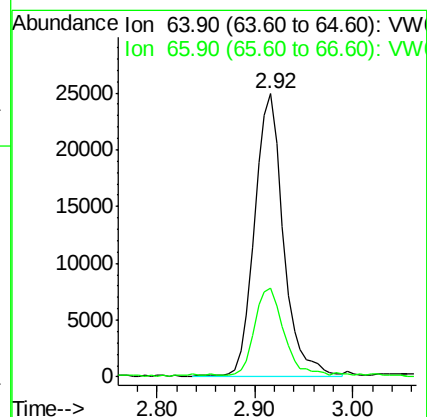
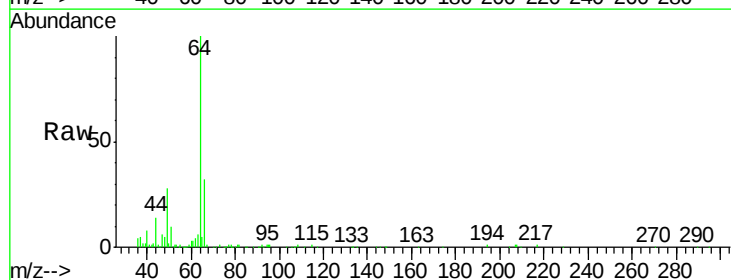
Acq: 05 Mar 2019 12:44

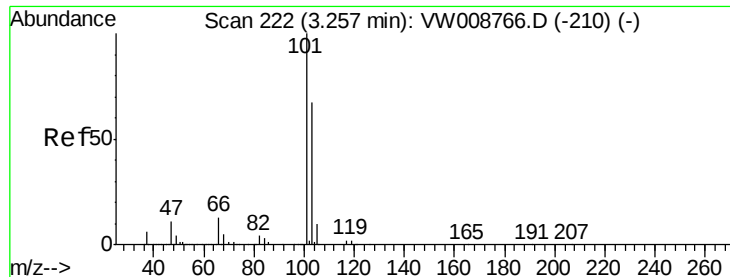
Tgt Ion: 64 Resp: 51377

Ion Ratio Lower Upper

64 100

66 30.5 25.5 38.3



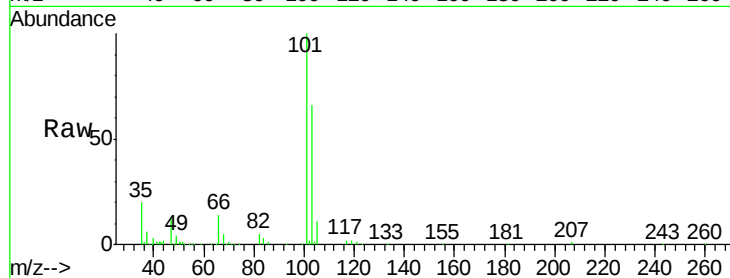


#7

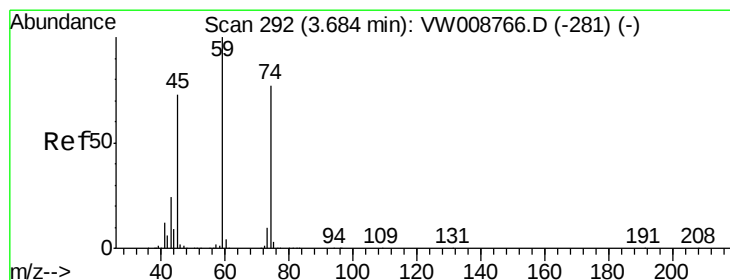
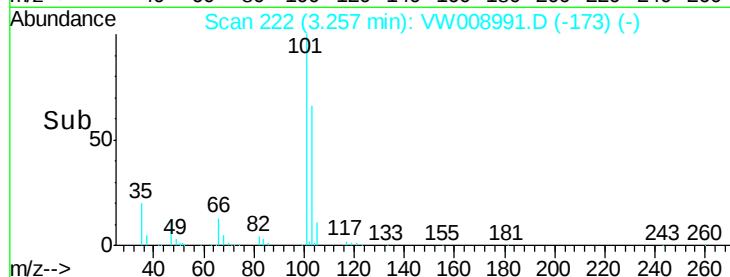
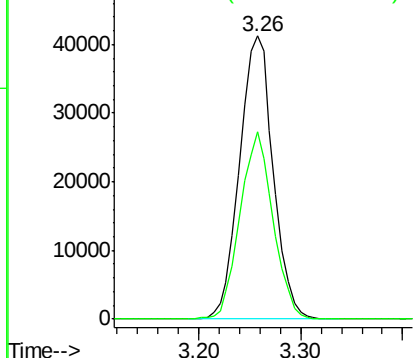
Trichlorofluoromethane
Concen: 20.901 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 94317
Ion Ratio Lower Upper
101 100
103 66.2 53.9 80.9



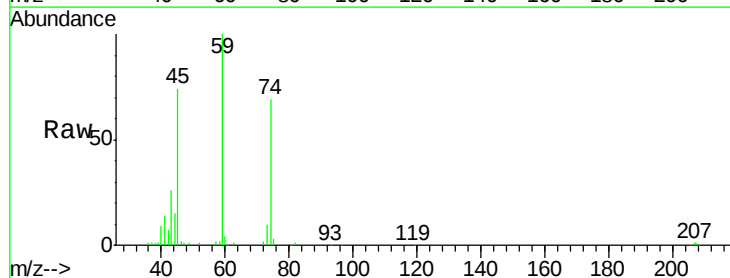
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



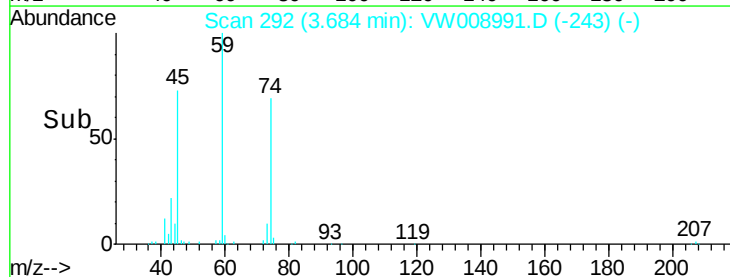
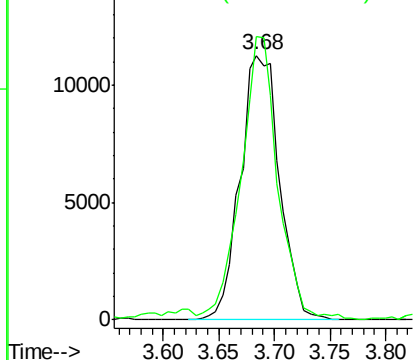
#8

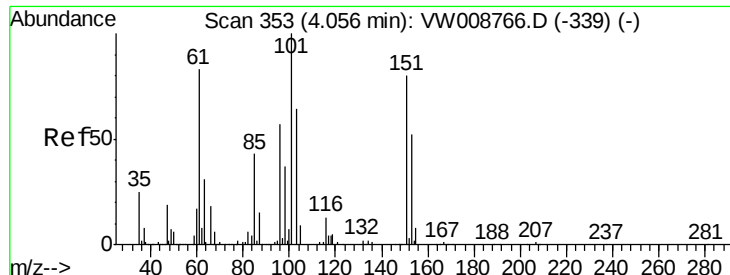
Diethyl Ether
Concen: 19.511 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 74 Resp: 27874
Ion Ratio Lower Upper
74 100
45 100.3 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.164 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

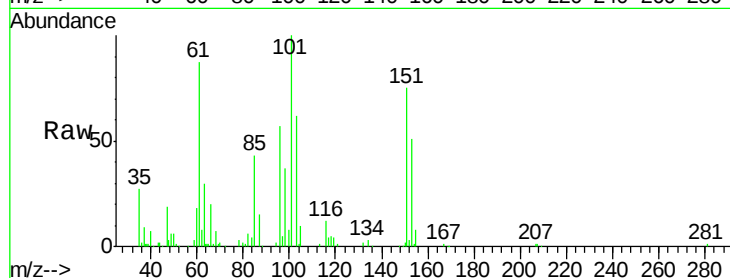
Tot Ion:101 Resp: 57995

Ion Ratio Lower Upper

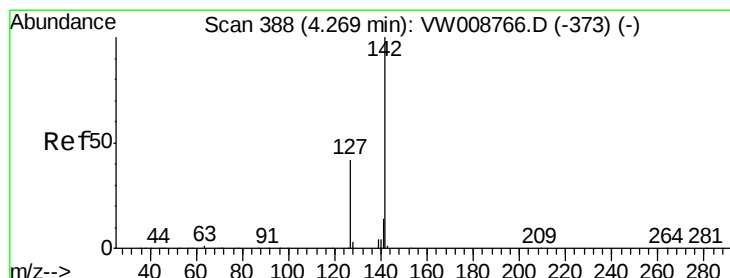
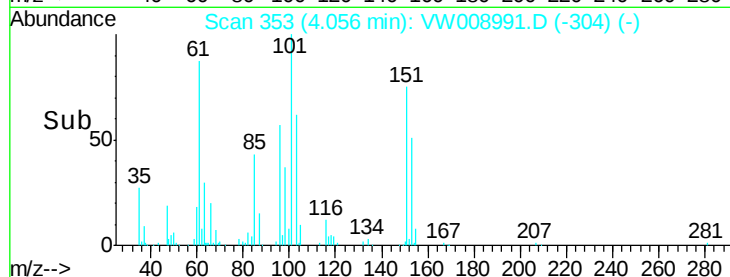
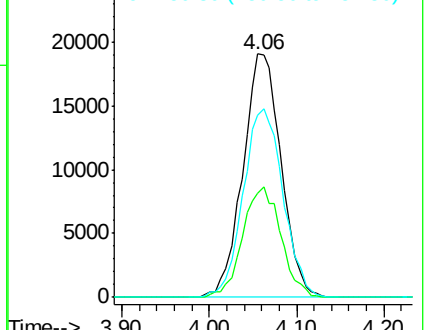
101 100

85 45.2 36.0 54.0

151 80.6 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.474 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

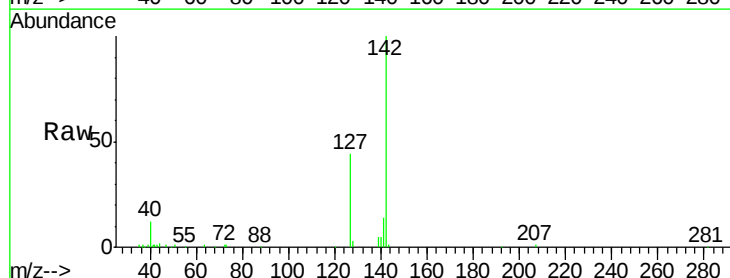
Tgt Ion:142 Resp: 53023

Ion Ratio Lower Upper

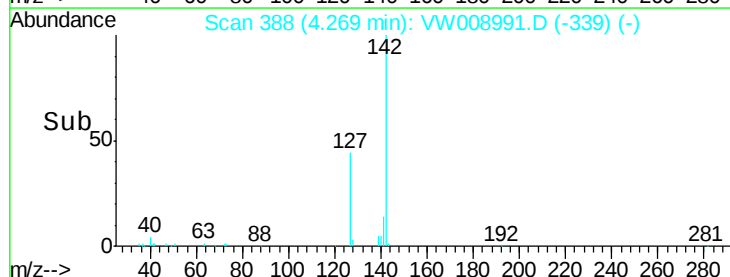
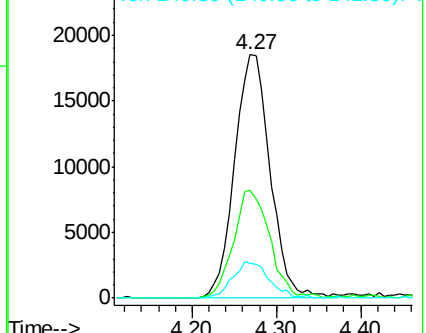
142 100

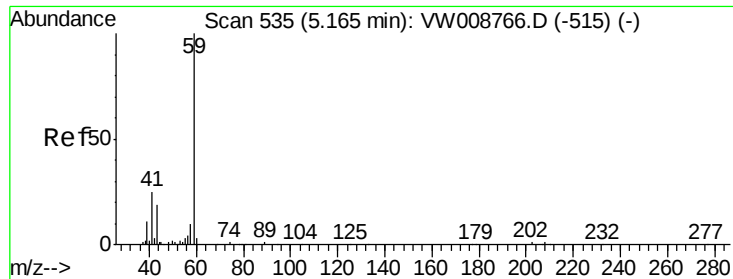
127 45.2 35.3 52.9

141 15.0 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



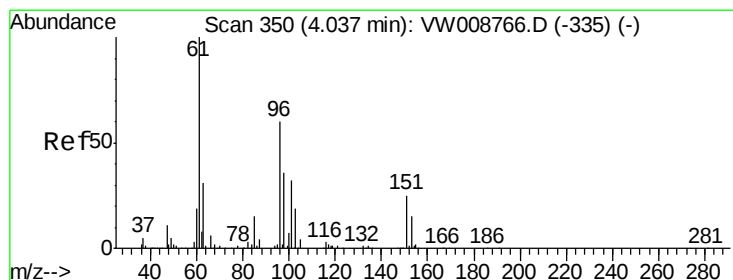
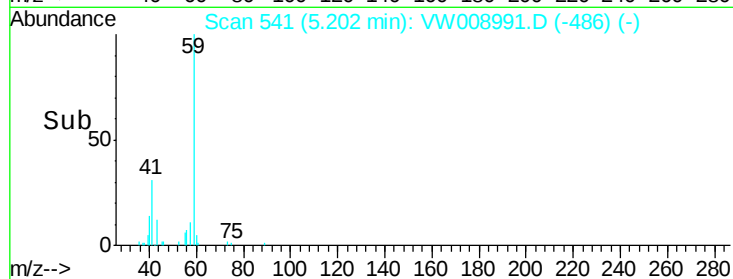
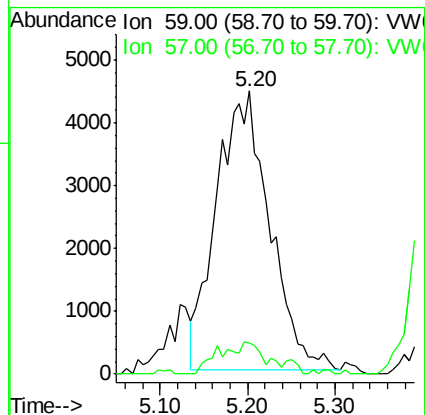
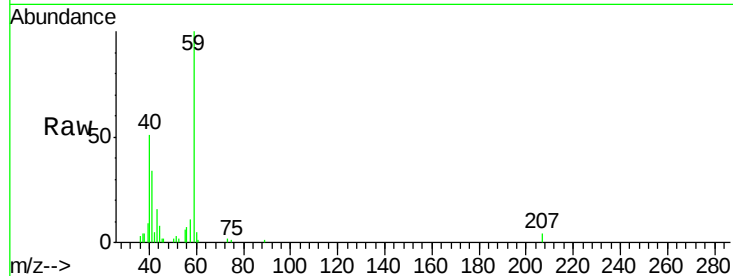


#11

Tert butyl alcohol
 Concen: 81.385 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :

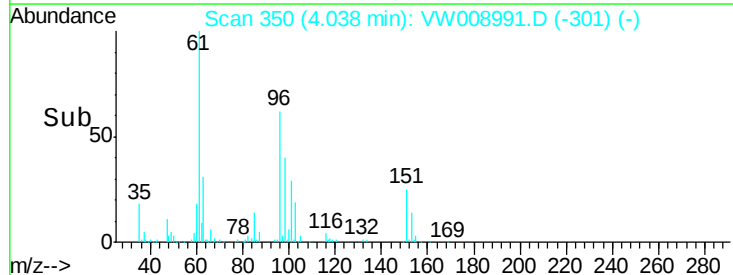
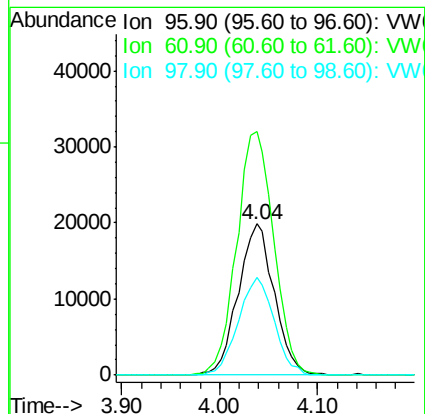
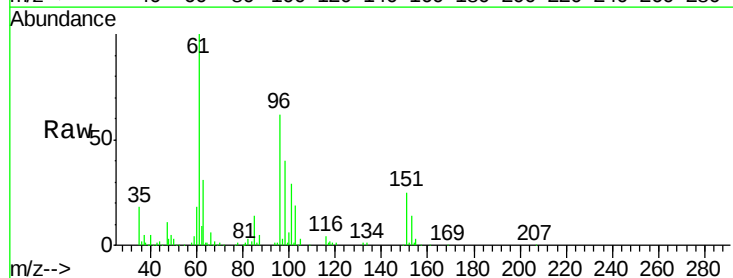
Tot Ion: 59 Resp: 18783
 Ion Ratio Lower Upper
 59 100
 57 3.6 9.3 13.9#

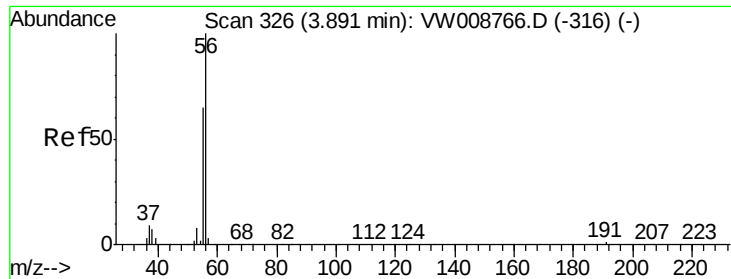


#12

1,1-Dichloroethene
 Concen: 20.983 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion: 96 Resp: 50781
 Ion Ratio Lower Upper
 96 100
 61 161.3 132.5 198.7
 98 65.1 48.2 72.4





#13

Acrolein

Concen: 77.563 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

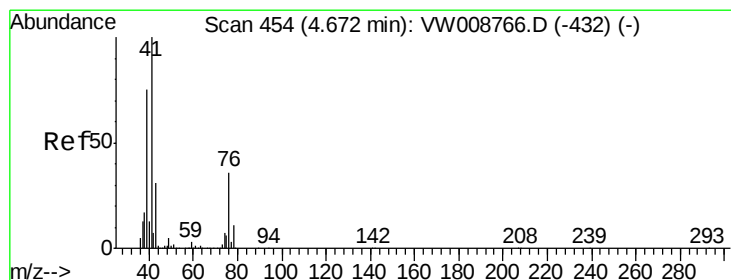
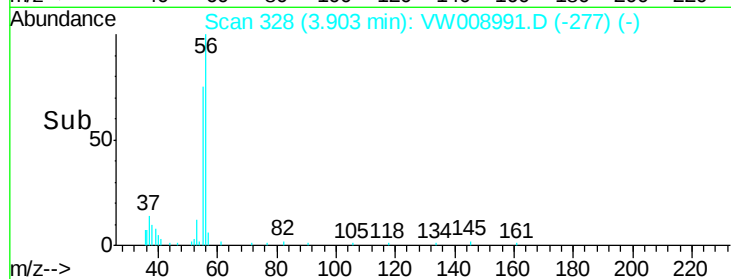
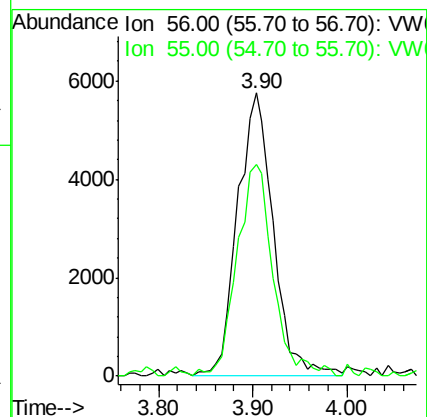
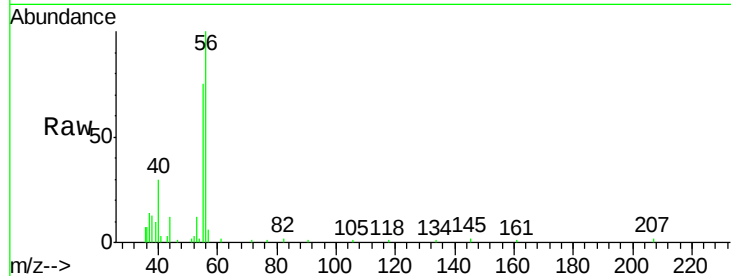
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 15275

Ion Ratio Lower Upper

56 100

55 75.4 56.9 85.3



#14

Allyl chloride

Concen: 20.354 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

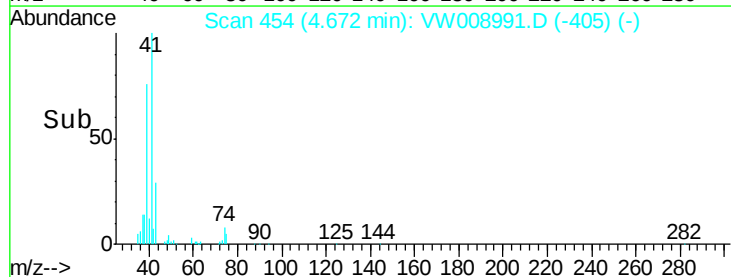
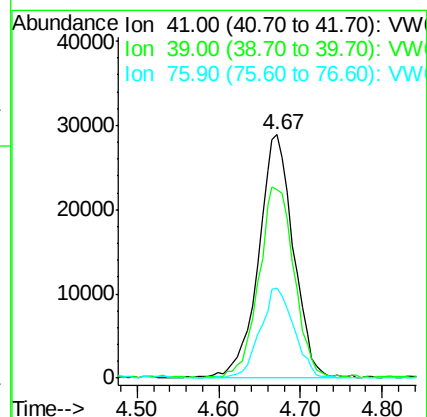
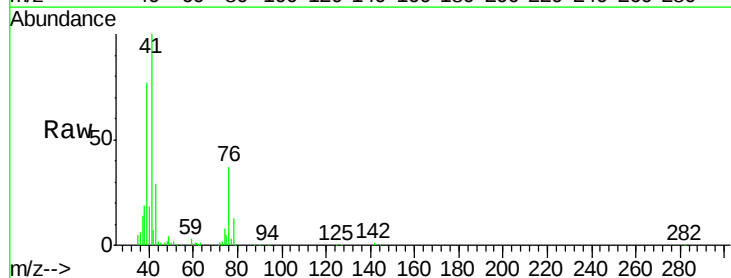
Tgt Ion: 41 Resp: 85015

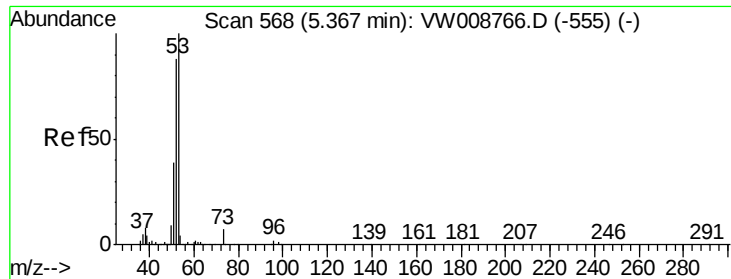
Ion Ratio Lower Upper

41 100

39 81.3 60.6 91.0

76 36.2 28.6 42.8





#15

Acrylonitrile

Concen: 96.269 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

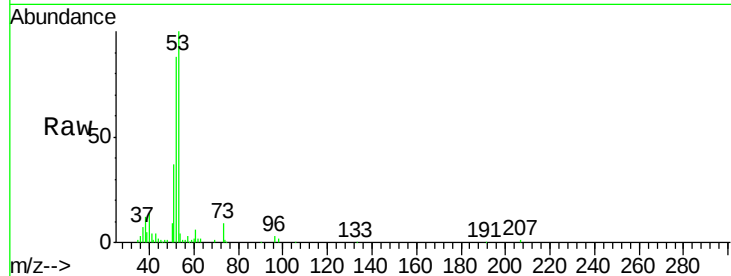
Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

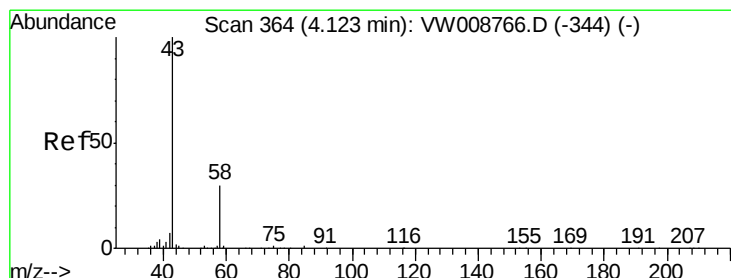
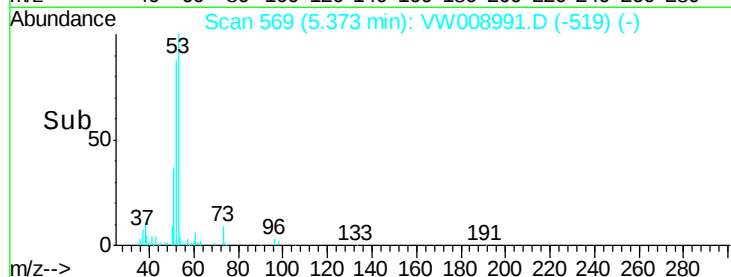
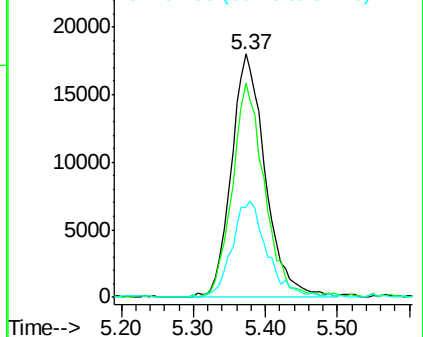
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 53 Resp: 59024

Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.2	100.8
51	40.6	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: 96.208 ug/l

RT: 4.14 min Scan# 367

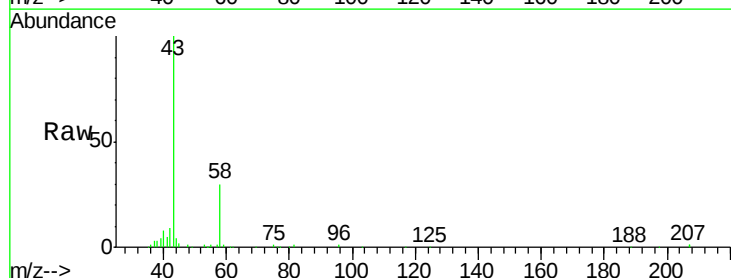
Delta R.T. 0.02 min

Lab File: VW008991.D

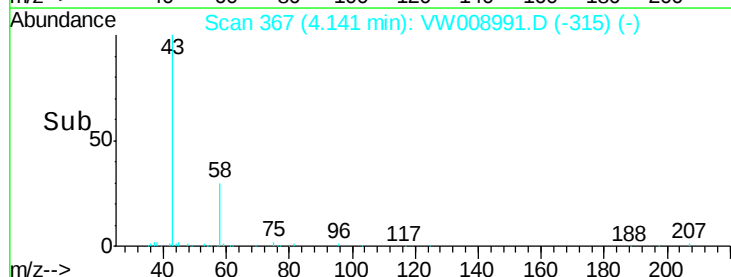
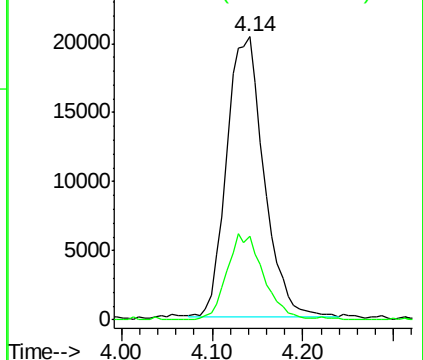
Acq: 05 Mar 2019 12:44

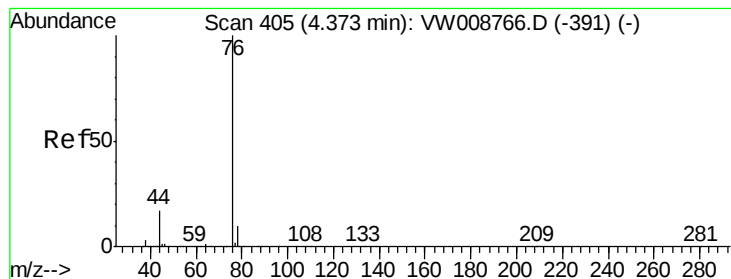
Tgt Ion: 43 Resp: 57811

Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.8	35.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.073 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

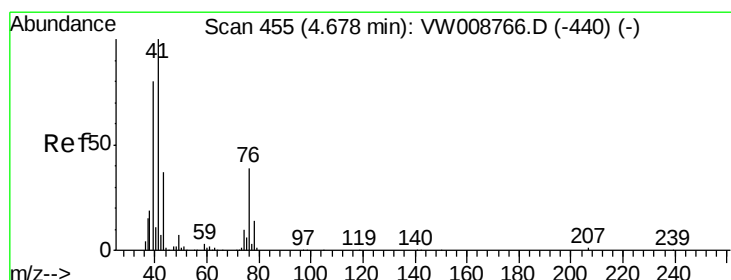
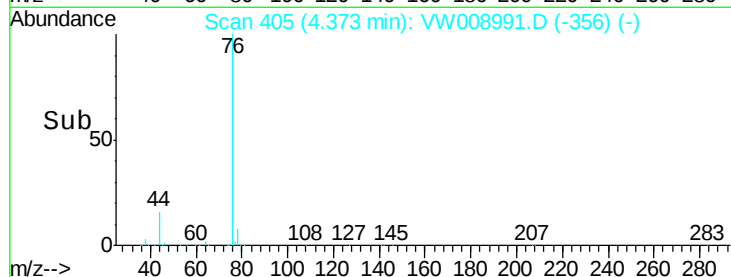
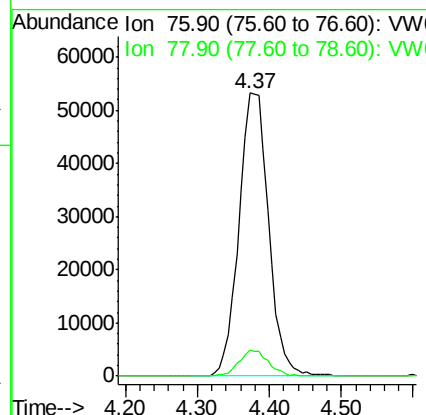
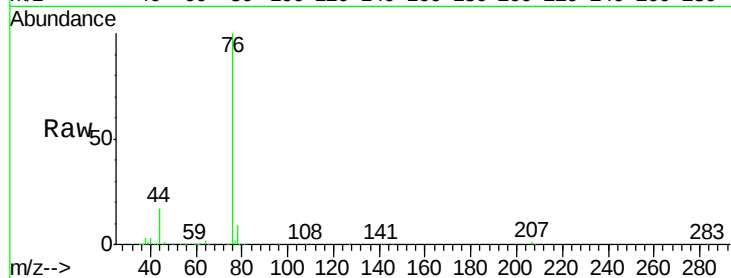
ClientSampled :

Tot Ion: 76 Resp: 153145

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.8



#18

Methyl Acetate

Concen: 19.150 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008991.D

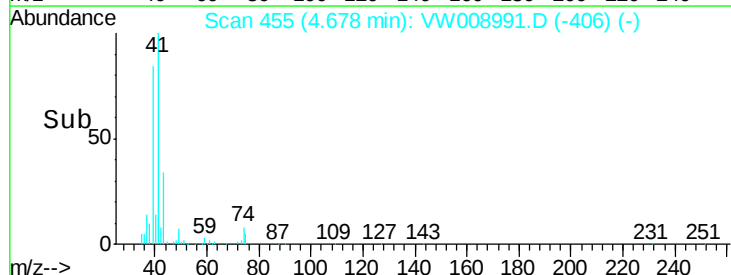
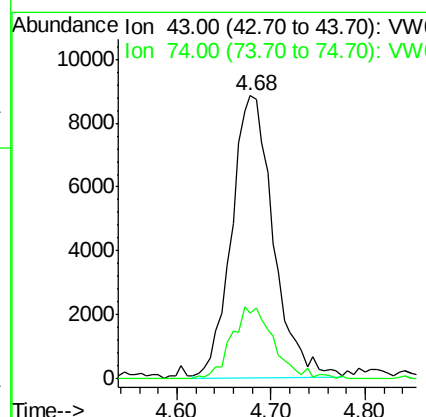
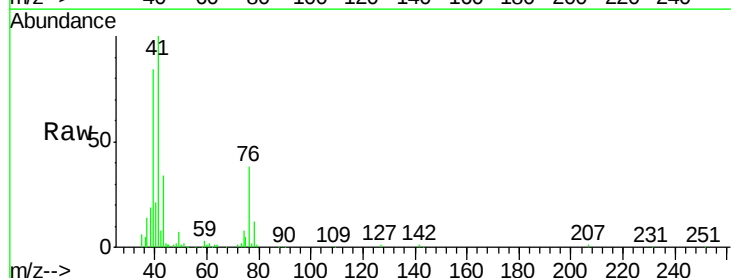
Acq: 05 Mar 2019 12:44

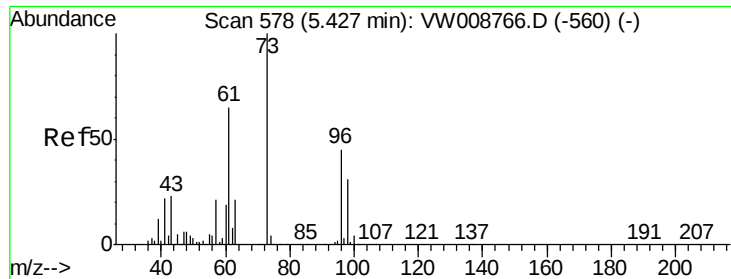
Tgt Ion: 43 Resp: 27294

Ion Ratio Lower Upper

43 100

74 26.1 19.4 29.2

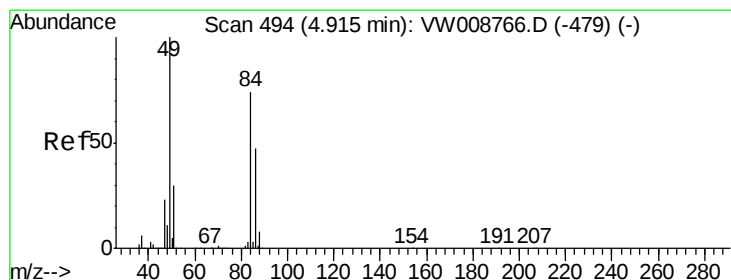
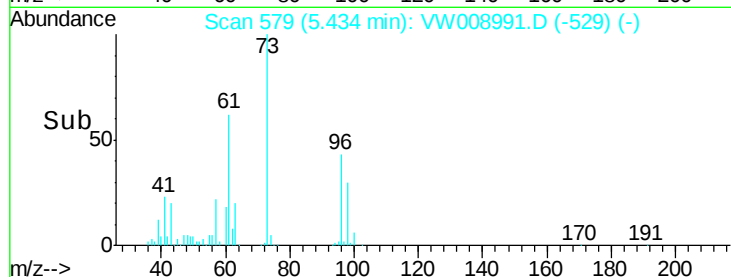
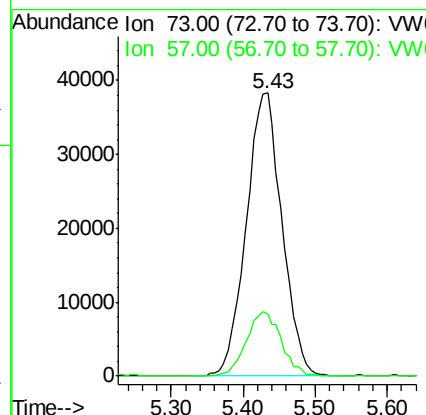
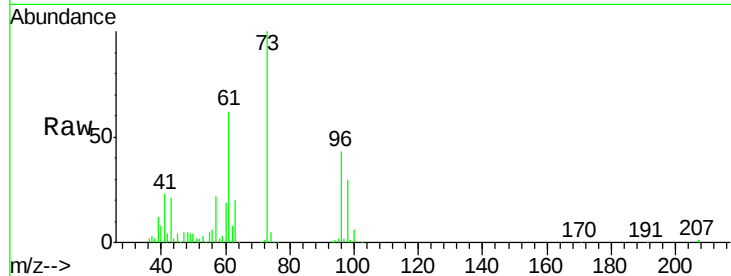




#19
Methvl tert-butvl Ether
Concen: 20.134 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

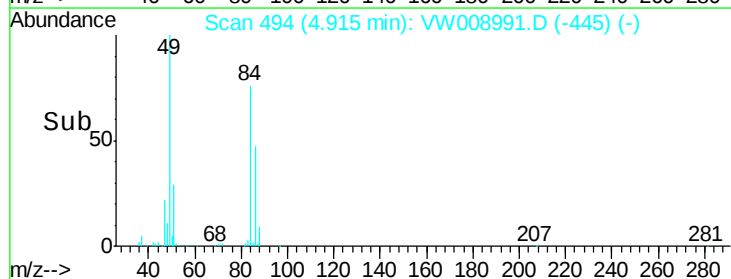
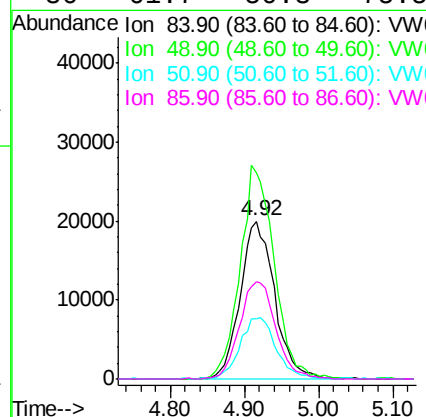
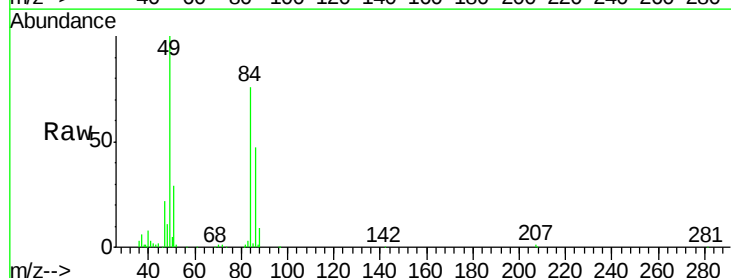
Instrument :
MSVOA_W
ClientSampleId :

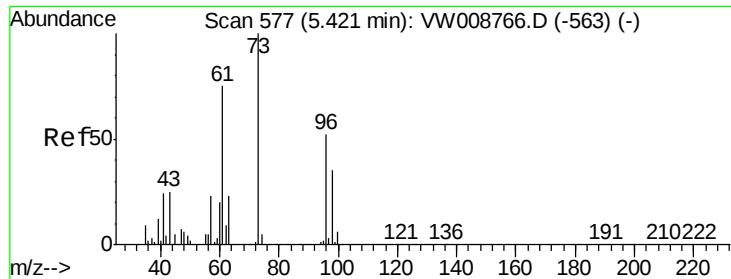
Tot Ion: 73 Resp: 131888
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2



#20
Methylene Chloride
Concen: 18.601 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 84 Resp: 64559
Ion Ratio Lower Upper
84 100
49 130.7 108.2 162.2
51 38.1 32.7 49.1
86 61.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

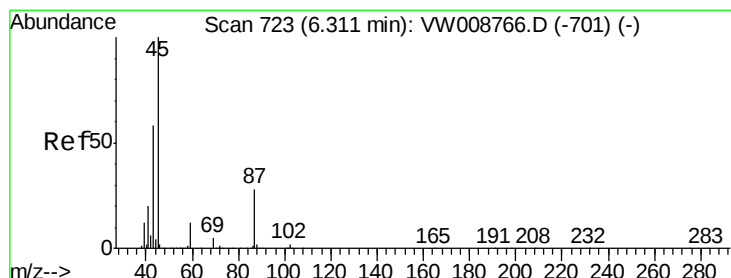
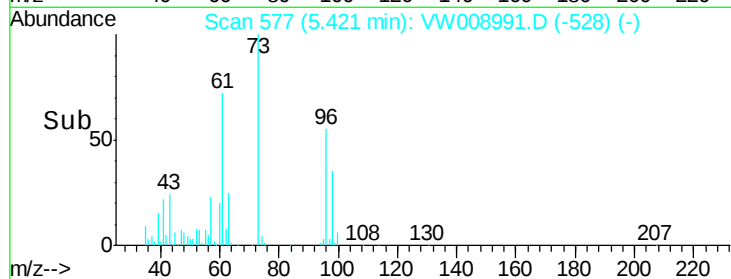
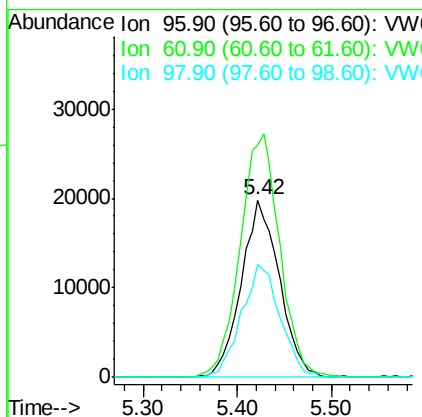
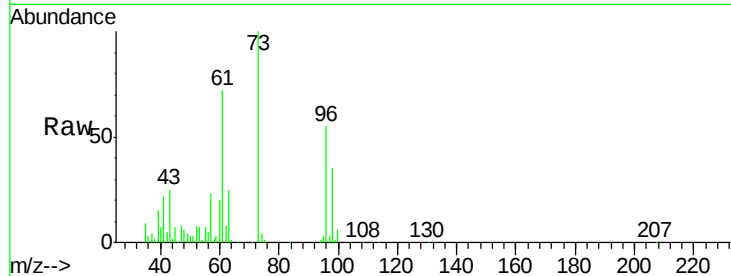
Tot Ion: 96 Resp: 56103

Ion Ratio Lower Upper

96 100

61 131.1 114.6 171.8

98 63.8 54.0 81.0



#22

Diisopropyl ether

Concen: 20.983 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion: 45 Resp: 174830

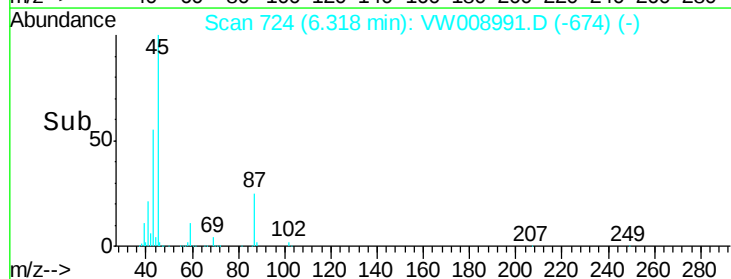
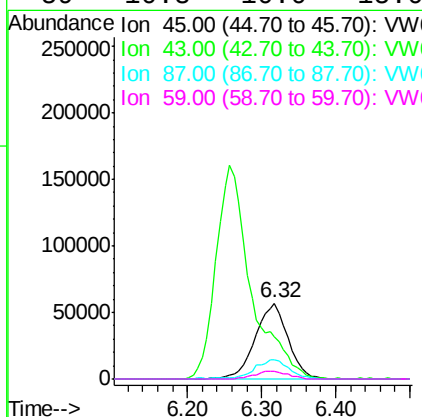
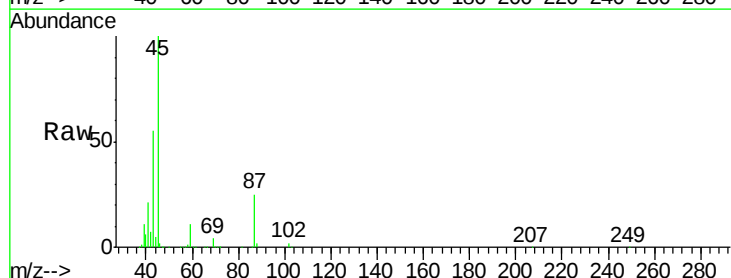
Ion Ratio Lower Upper

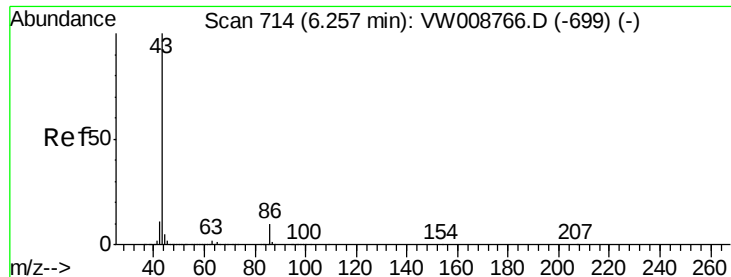
45 100

43 54.4 46.1 69.1

87 25.2 22.2 33.4

59 10.8 10.0 15.0





#23

Vinyl Acetate

Concen: 102.169 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

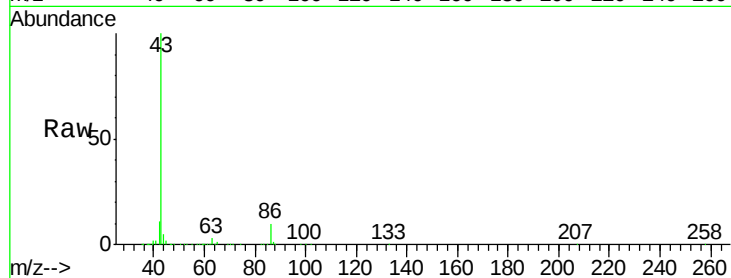
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 525961

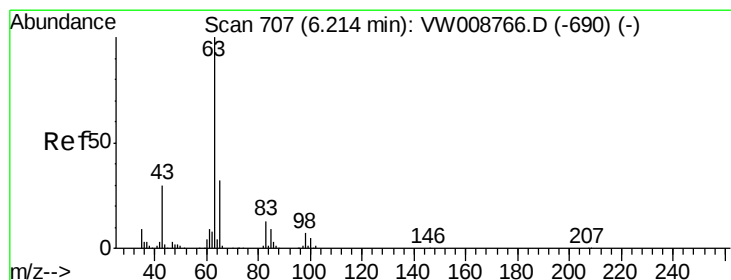
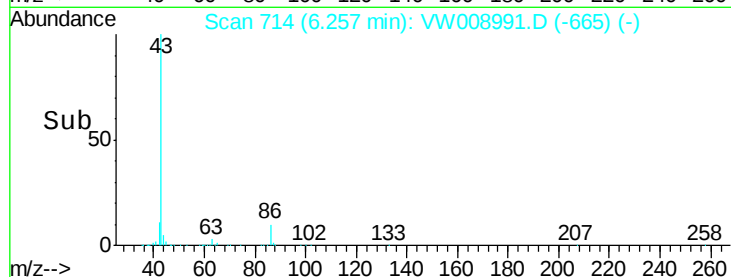
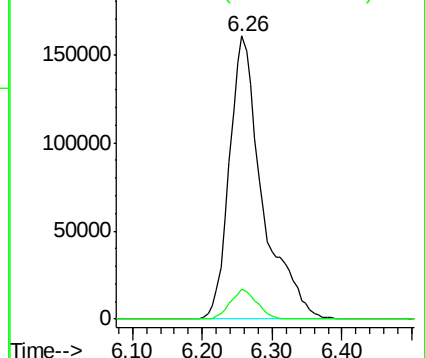
Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.270 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

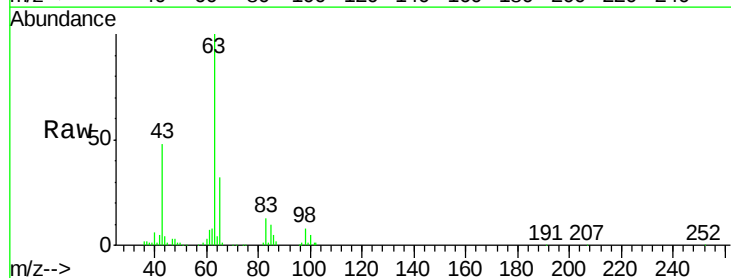
Tgt Ion: 63 Resp: 102698

Ion Ratio Lower Upper

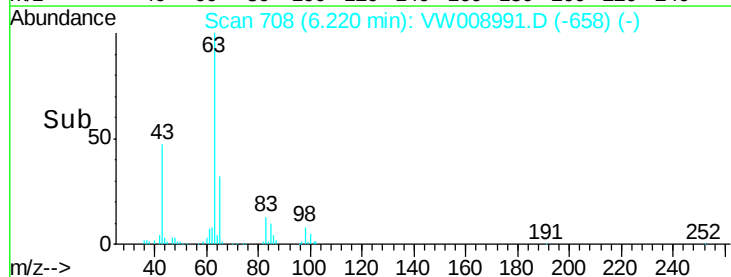
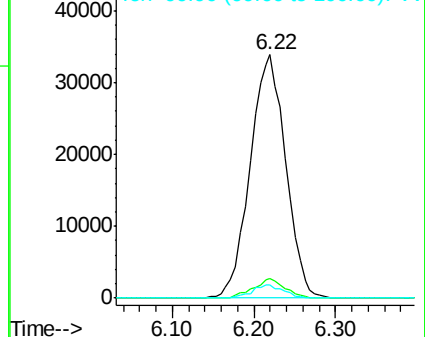
63 100

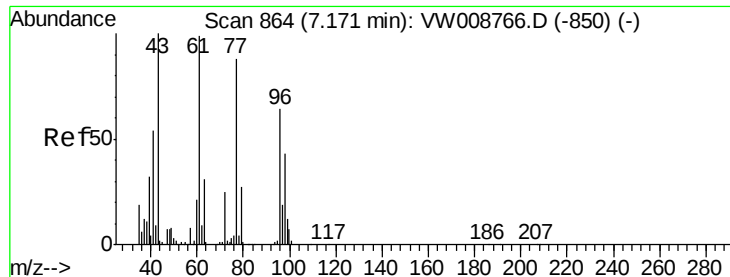
98 8.0 3.5 10.6

100 5.4 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.287 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

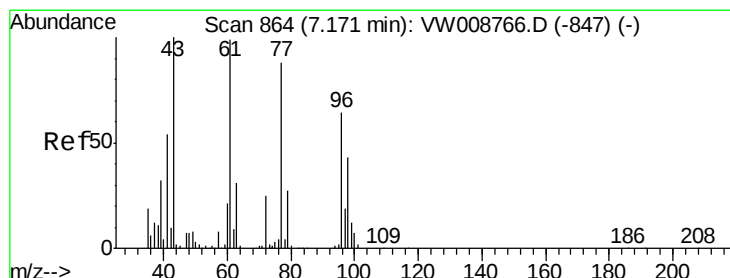
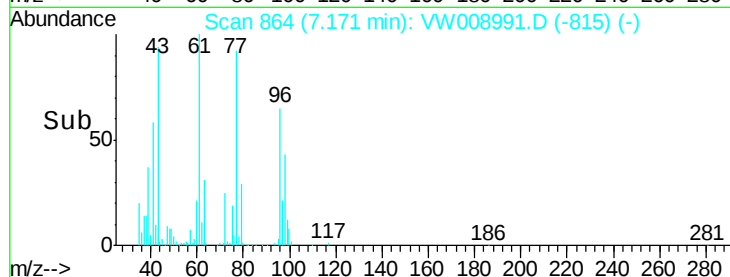
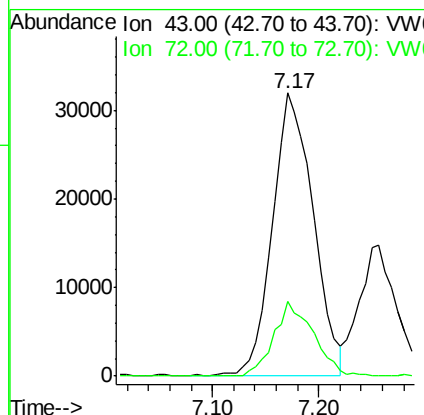
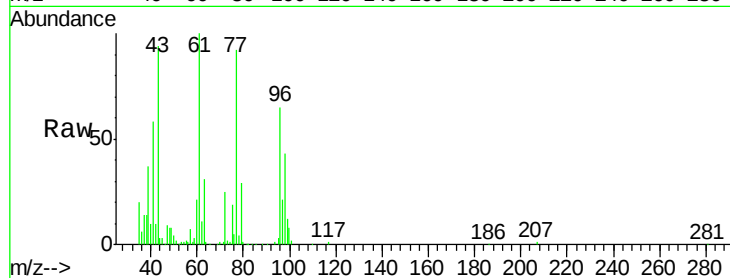
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 84250

Ion Ratio Lower Upper

43 100

72 26.5 19.7 29.5



#26

2,2-Dichloropropane

Concen: 21.599 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008991.D

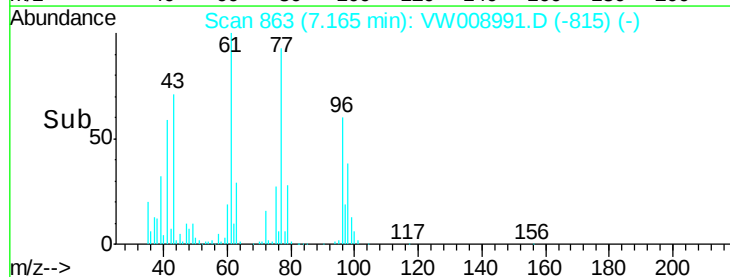
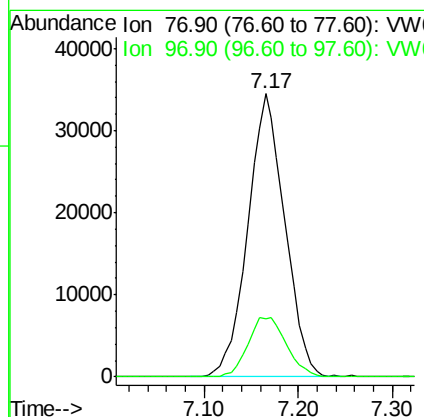
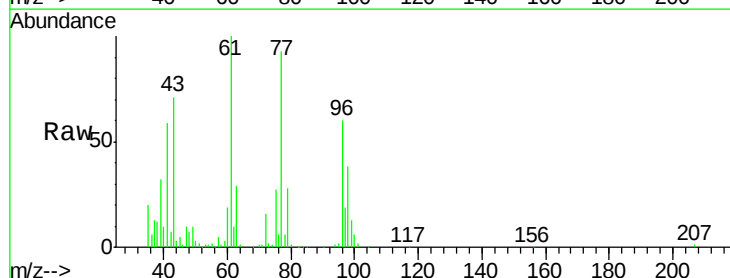
Acq: 05 Mar 2019 12:44

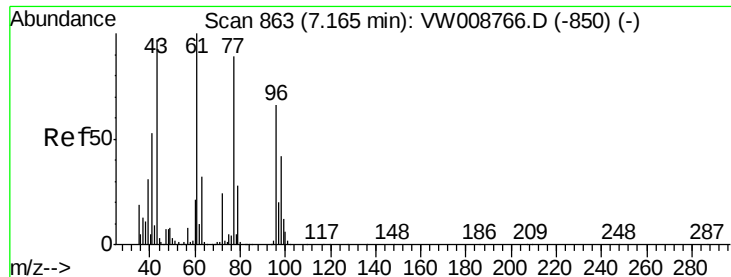
Tgt Ion: 77 Resp: 94677

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



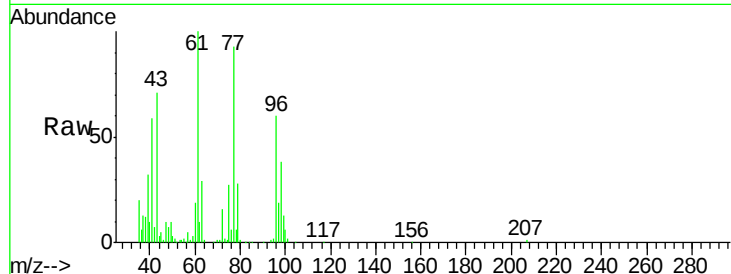


#27

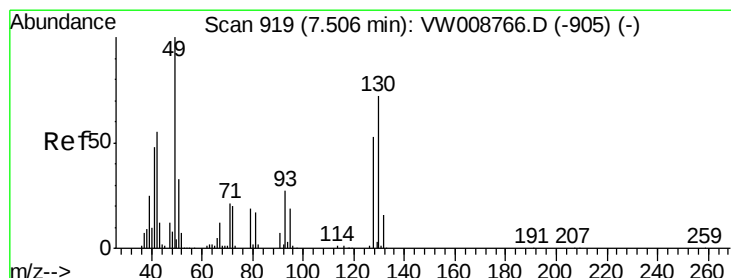
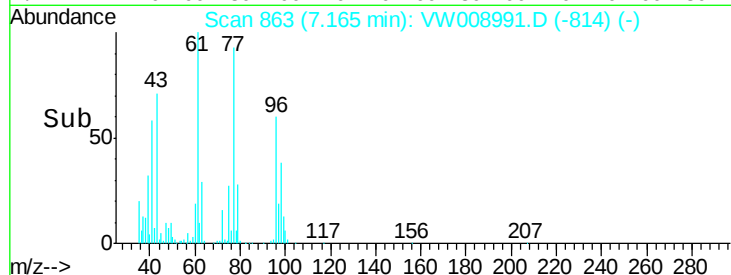
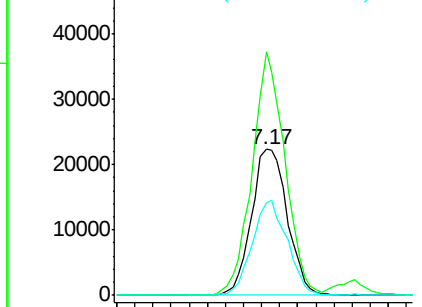
cis-1,2-Dichloroethene
Concen: 20.477 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	61317
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	302.6
98	63.4	0.0	130.0



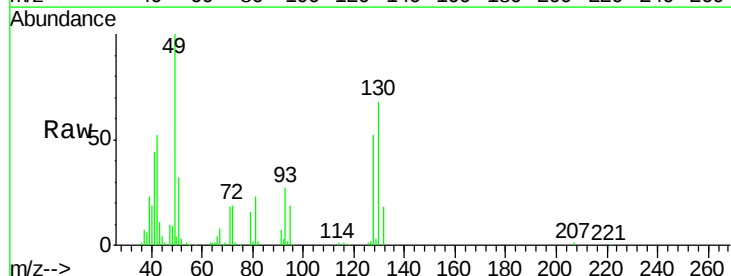
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



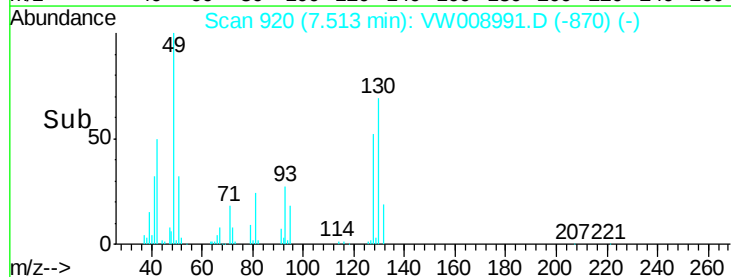
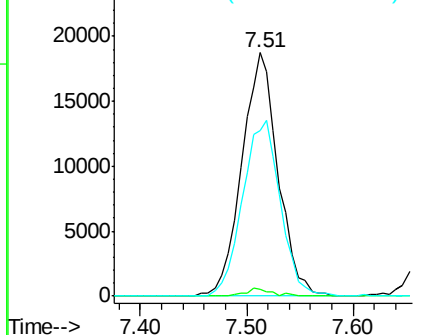
#28

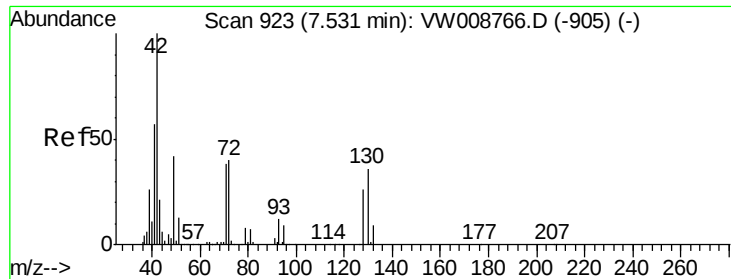
Bromochloromethane
Concen: 22.064 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	49	Resp	44579
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.6
130	75.2	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

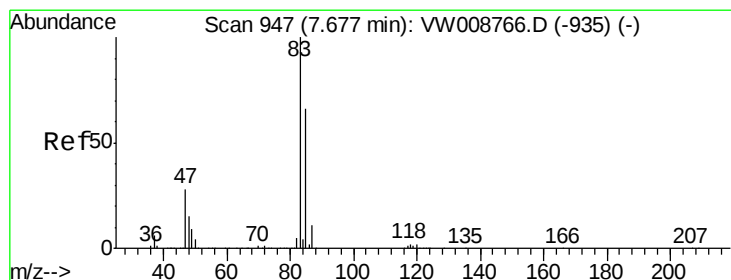
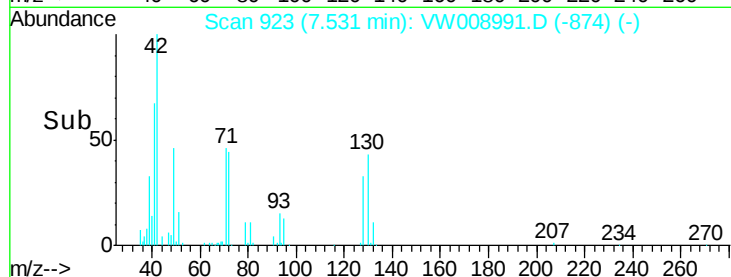
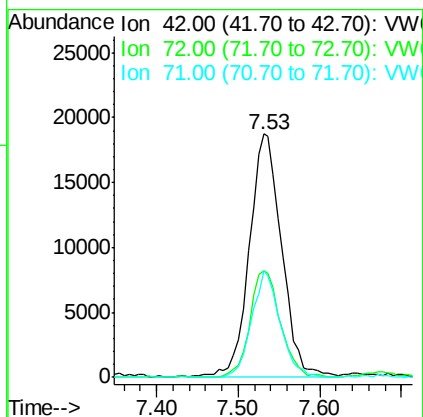
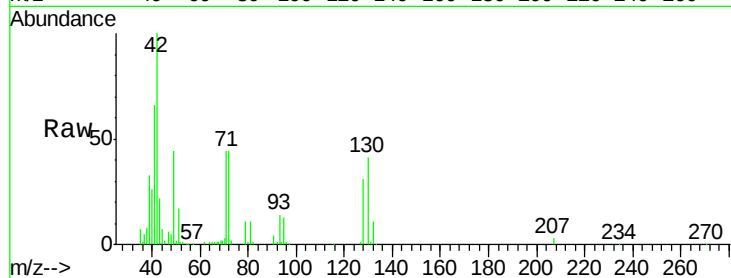




#29
Tetrahydrofuran
Concen: 95.249 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

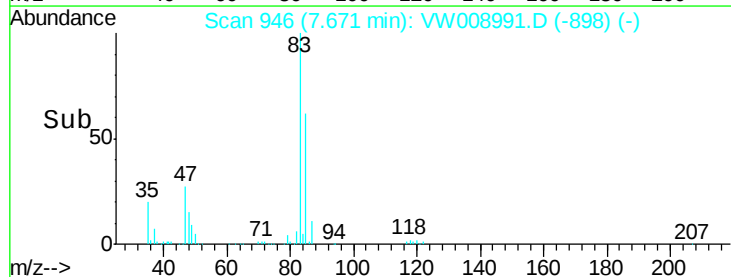
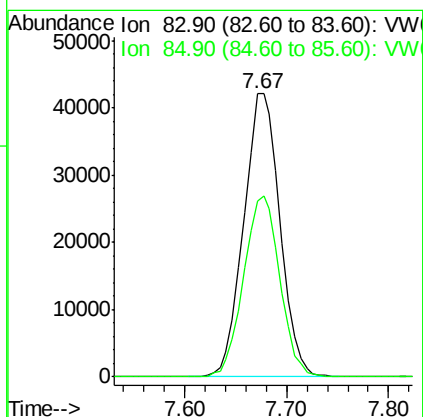
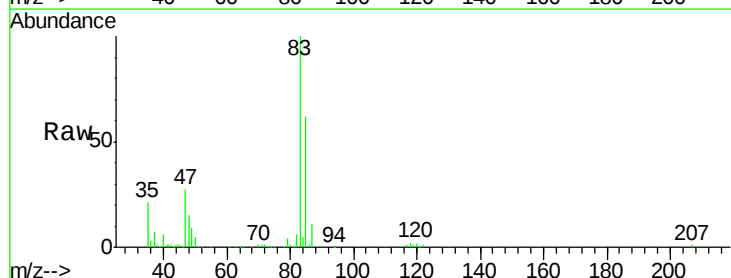
Instrument :
MSVOA_W
ClientSampled :

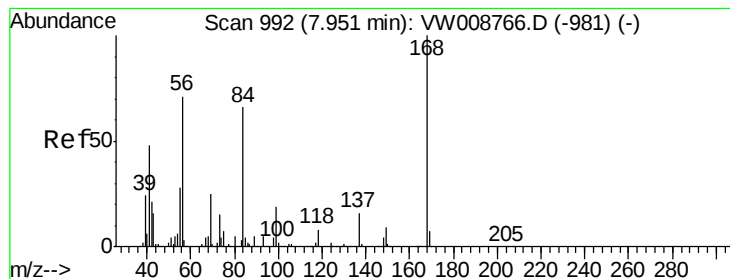
Tot Ion: 42 Resp: 50993
Ion Ratio Lower Upper
42 100
72 42.1 32.7 49.1
71 39.3 31.3 46.9



#30
Chloroform
Concen: 21.038 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 83 Resp: 104207
Ion Ratio Lower Upper
83 100
85 62.2 52.6 79.0





#31

Cyclohexane

Concen: 20.318 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

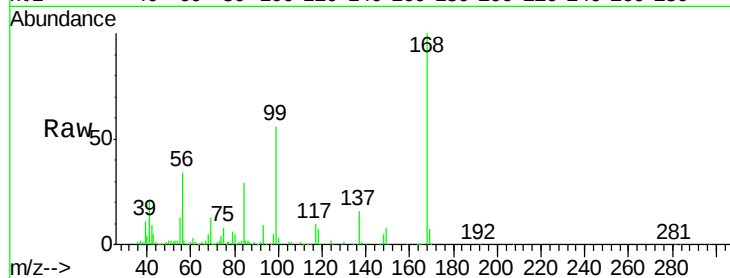
Tot Ion: 56 Resp: 99298

Ion Ratio Lower Upper

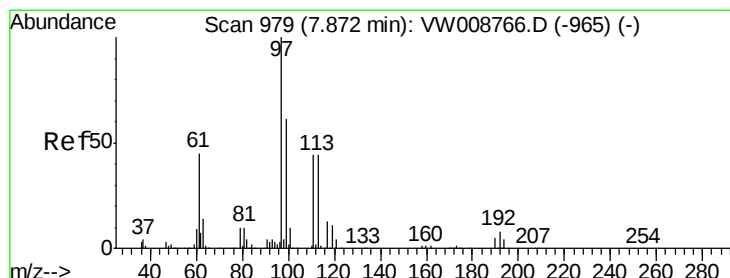
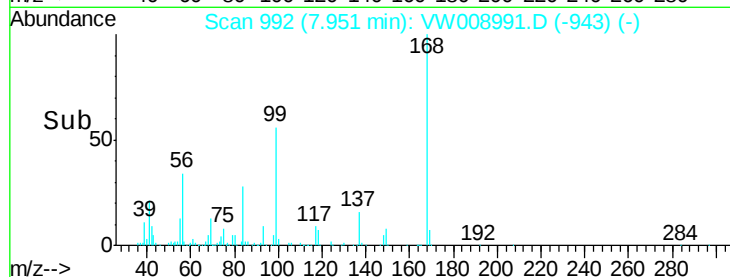
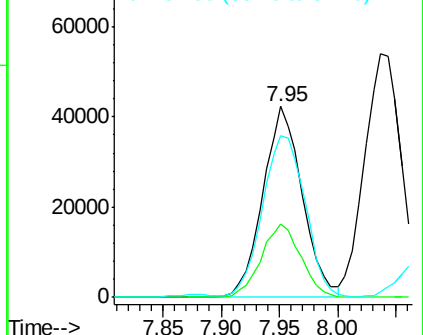
56 100

69 38.4 28.2 42.4

84 82.9 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



#32

1,1,1-Trichloroethane

Concen: 21.759 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

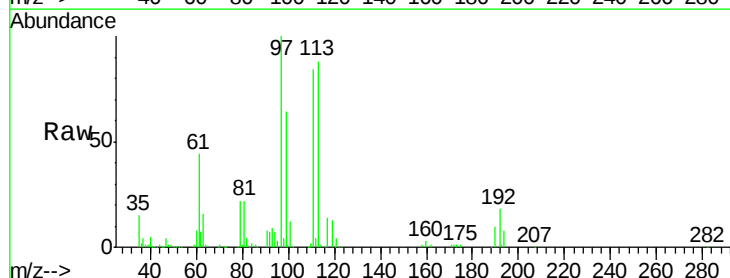
Tgt Ion: 97 Resp: 98013

Ion Ratio Lower Upper

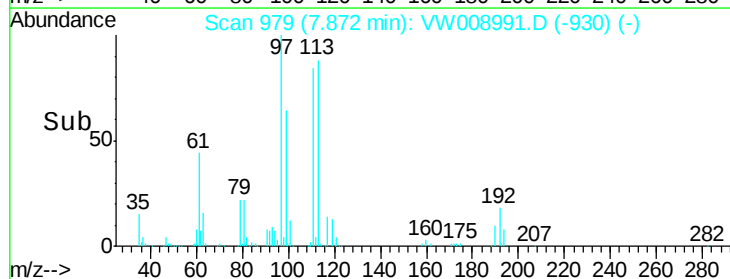
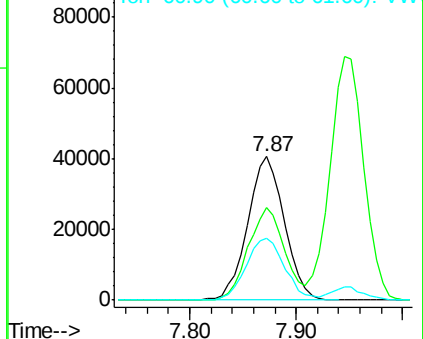
97 100

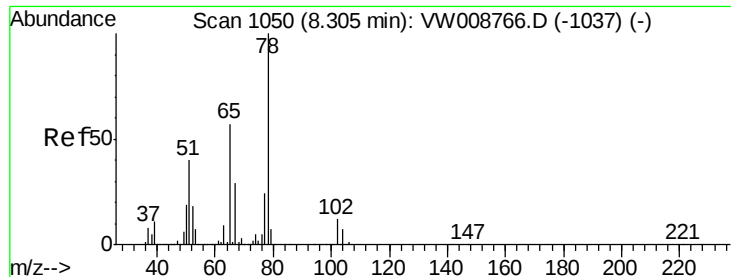
99 64.3 50.8 76.2

61 45.6 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

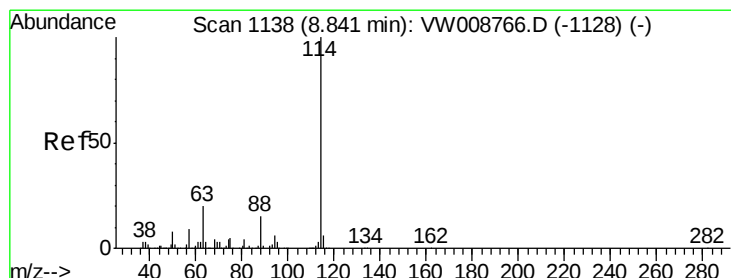
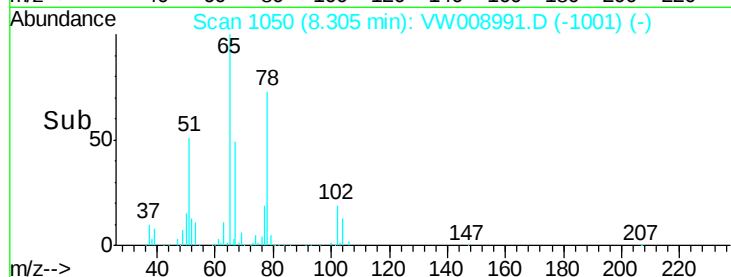
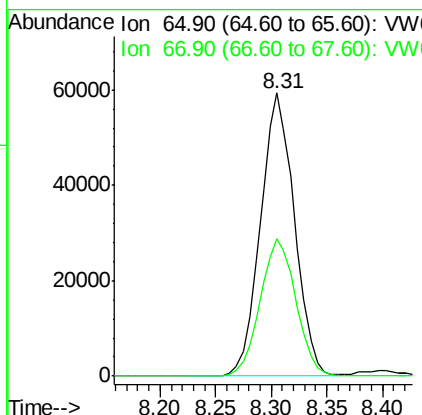
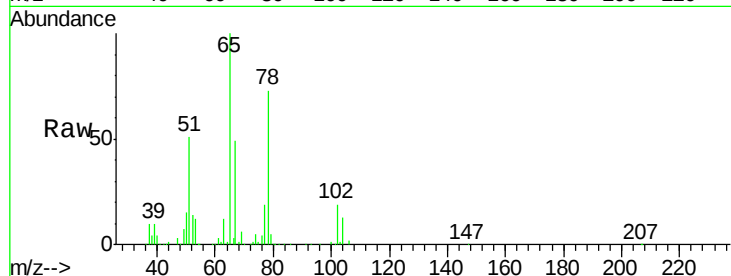




#33
 1,2-Dichloroethane-d4
 Concen: 48.522 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

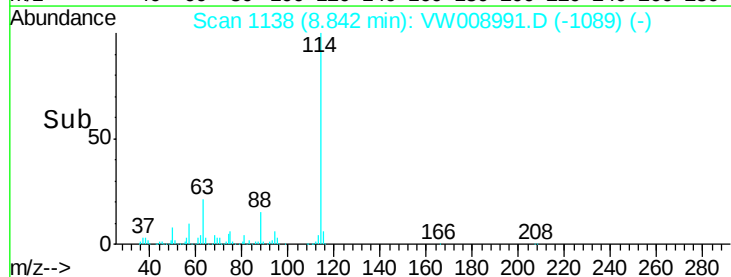
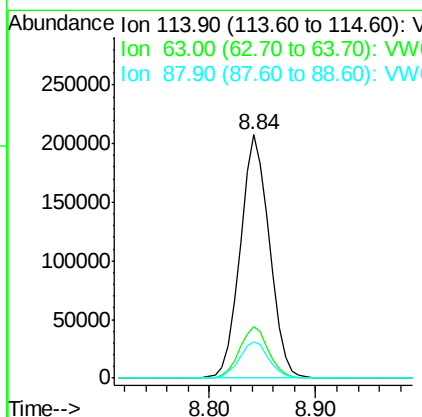
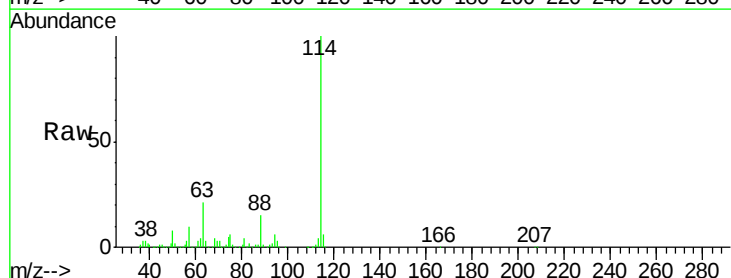
Instrument :
 MSVOA_W
 ClientSampleId :

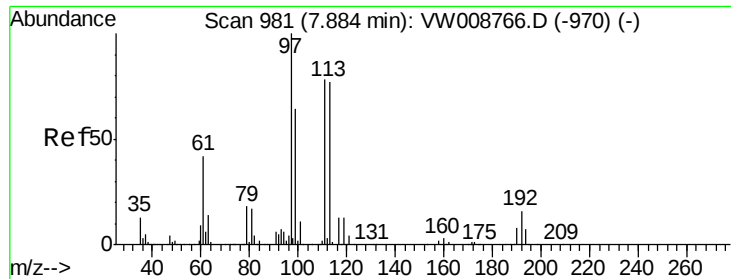
Tot Ion: 65 Resp: 125789
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion: 114 Resp: 398692
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.366 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :

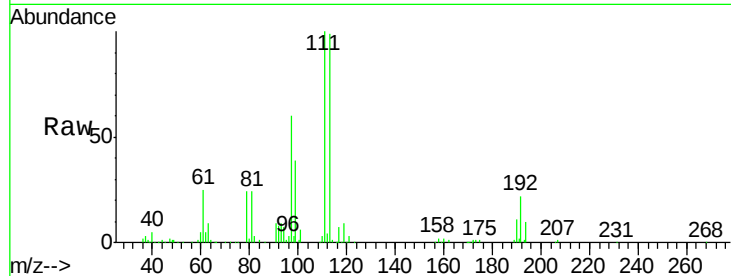
Tot Ion:113 Resp: 113385

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	21.7	17.1	25.7

113 100

111 102.8 81.9 122.9

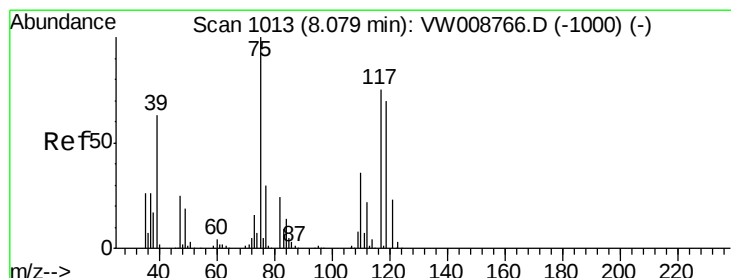
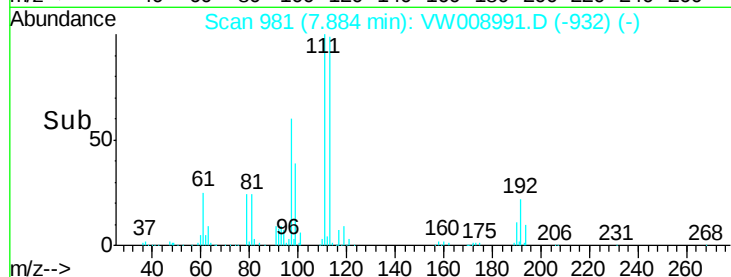
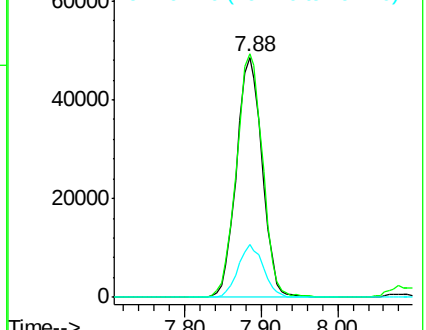
192 21.7 17.1 25.7



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: 21.901 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

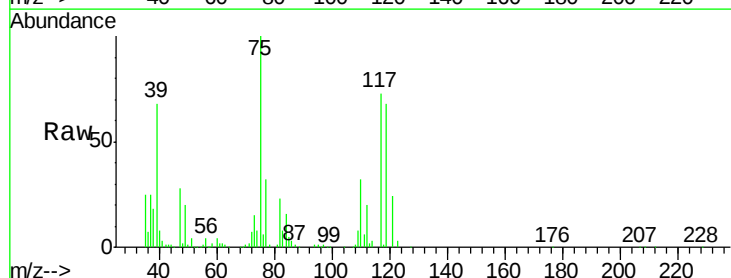
Tgt Ion: 75 Resp: 84999

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.5	52.6
77	31.7	24.5	36.7

75 100

110 34.4 17.5 52.6

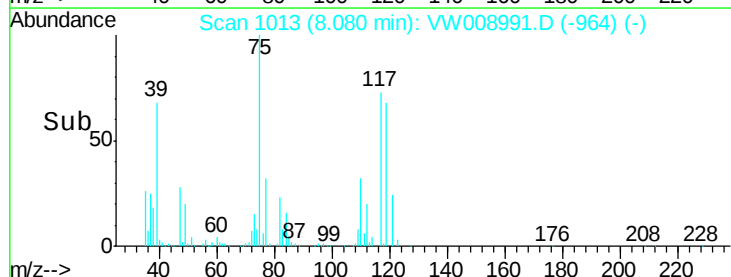
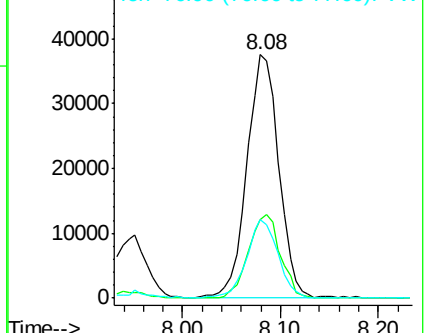
77 31.7 24.5 36.7

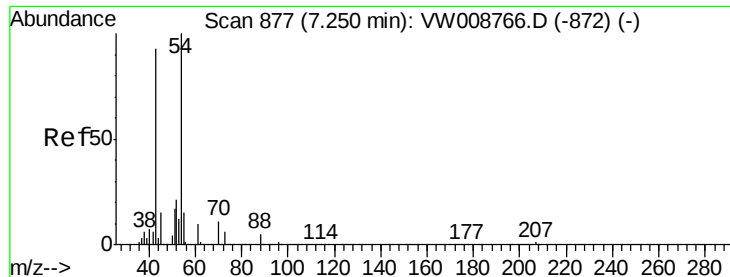


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

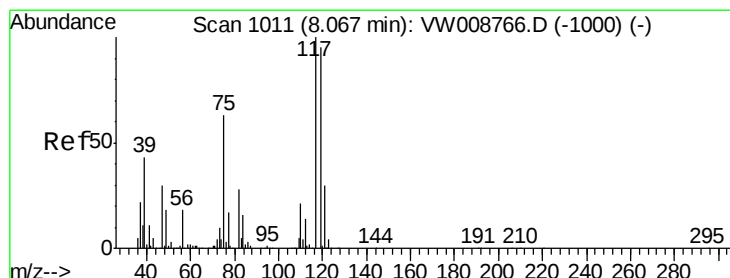
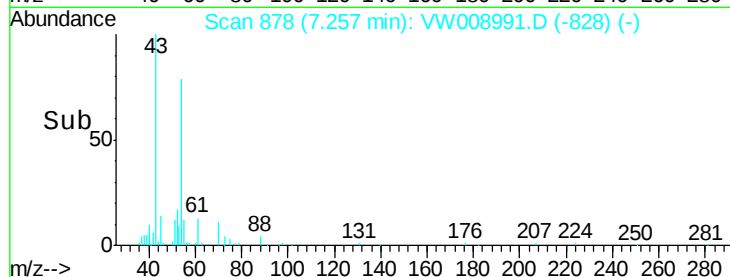
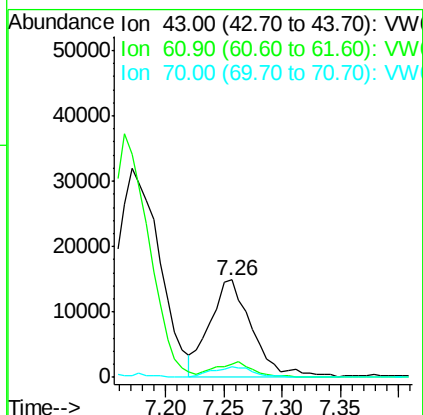
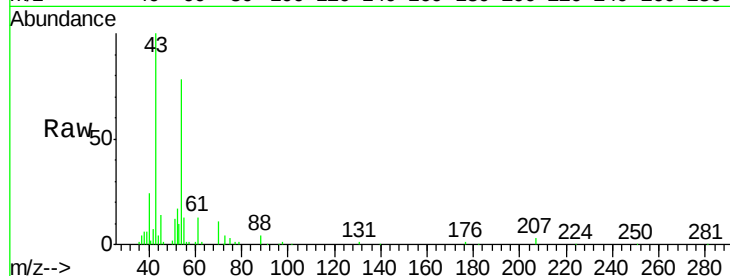




#37
Ethyl Acetate
Concen: 20.956 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

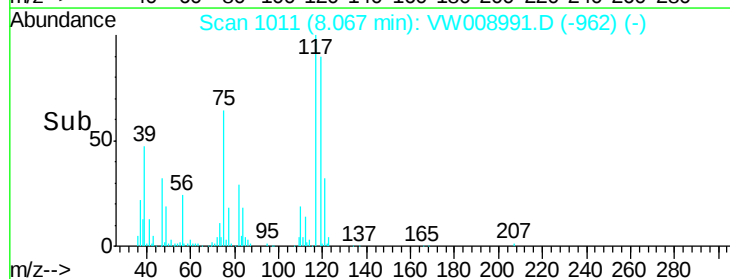
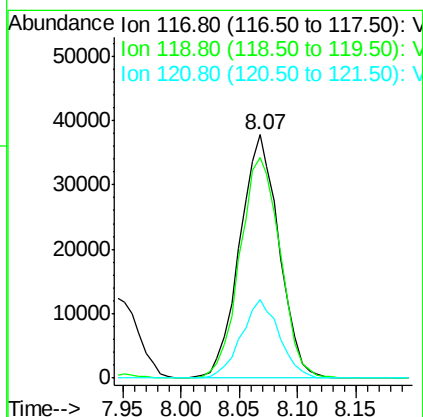
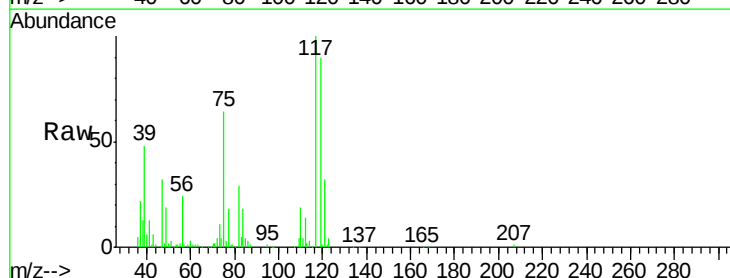
Instrument :
MSVOA_W
ClientSampled :

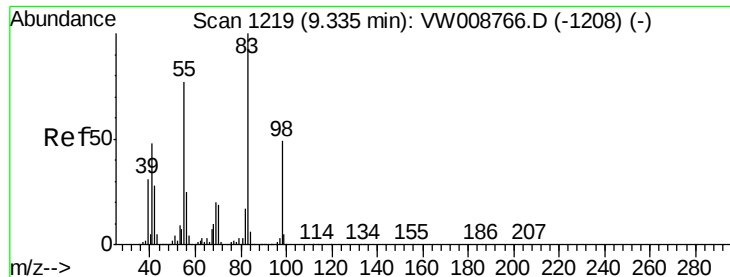
Tot Ion: 43 Resp: 37820
Ion Ratio Lower Upper
43 100
61 14.2 9.8 14.8
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.685 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 117 Resp: 88756
Ion Ratio Lower Upper
117 100
119 90.4 76.1 114.1
121 32.1 24.0 36.0

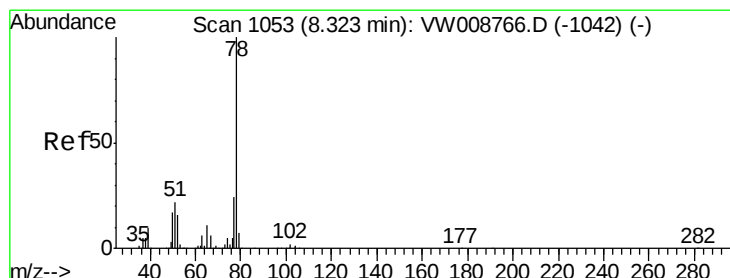
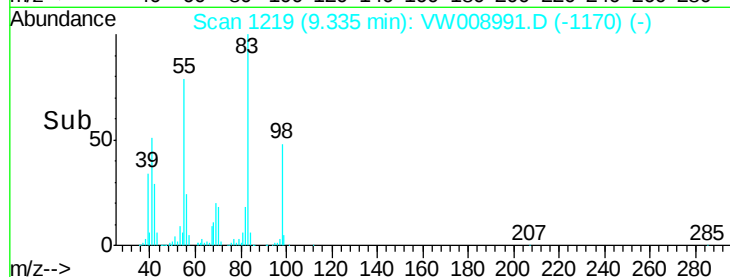
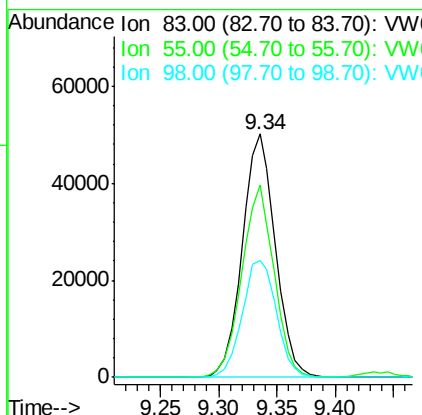
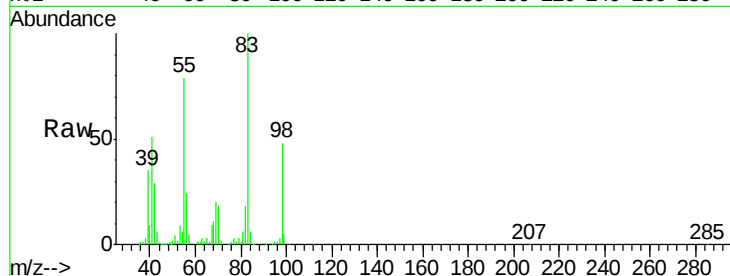




#39
Methvlcvclohexane
Concen: 20.477 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

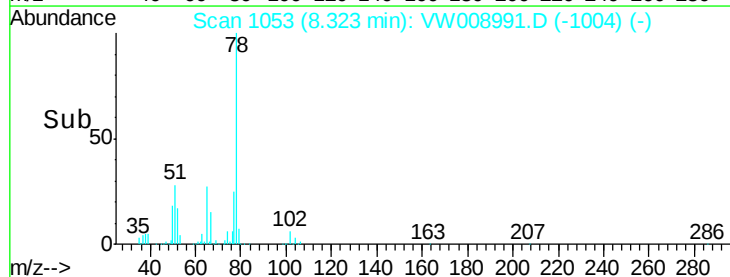
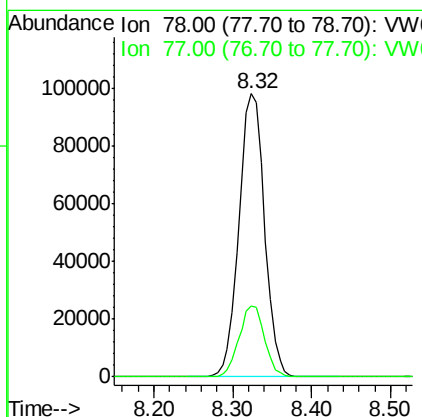
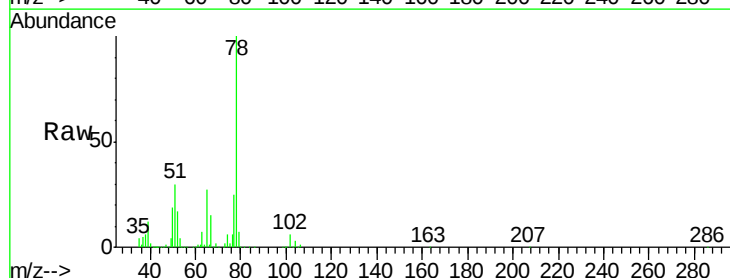
Instrument :
MSVOA_W
ClientSampleId :

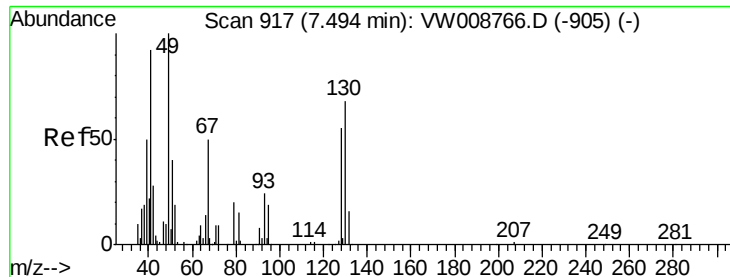
Tot Ion: 83 Resp: 99127
Ion Ratio Lower Upper
83 100
55 79.2 61.2 91.8
98 47.8 39.4 59.2



#40
Benzene
Concen: 20.931 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 78 Resp: 221791
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9

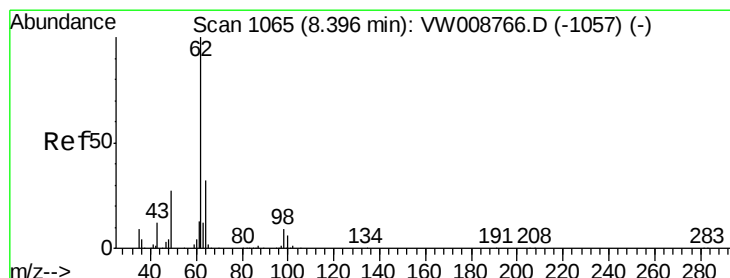
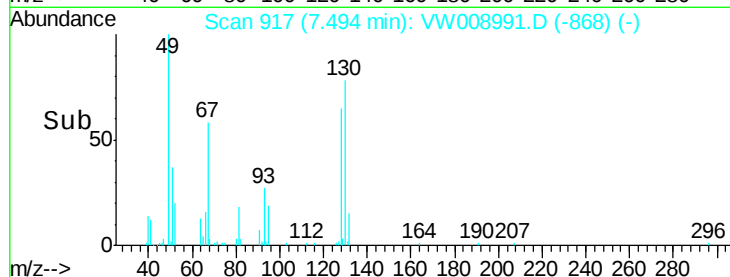
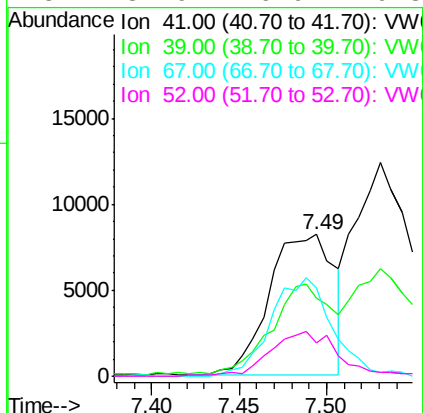
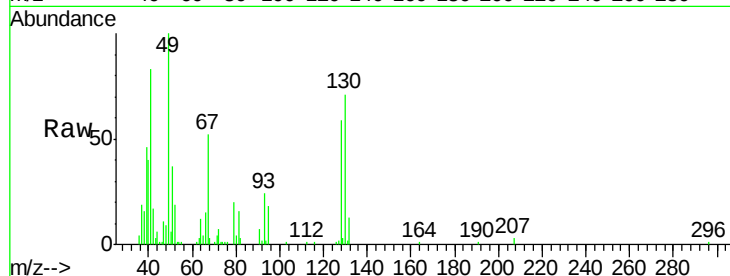




#41
Methacrylonitrile
Concen: 19.930 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

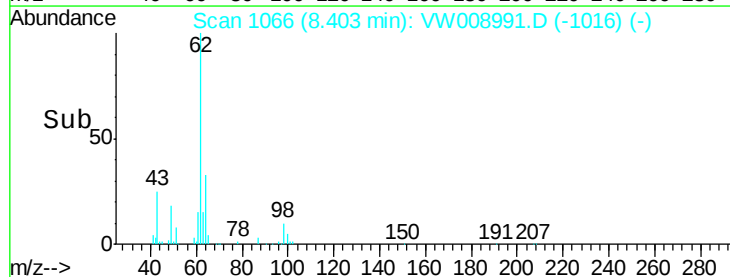
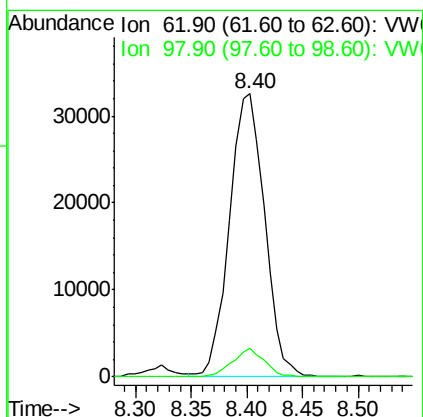
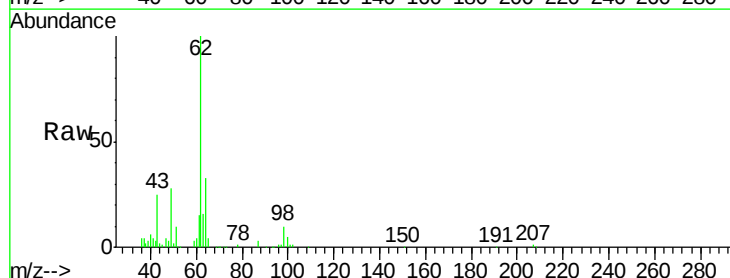
Instrument :
MSVOA_W
ClientSampled :

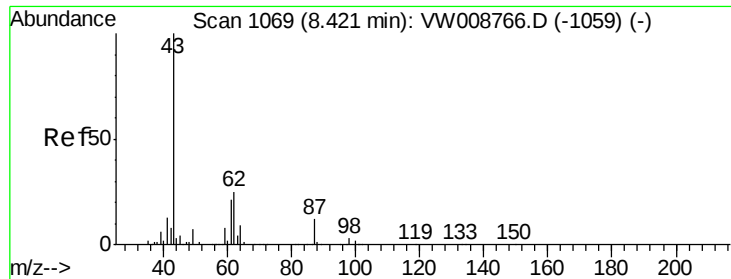
Tot Ion:	41	Resp:	21143
Ion	Ratio	Lower	Upper
41	100		
39	58.4	52.5	78.7
67	66.5	55.0	82.6
52	32.9	26.9	40.3



#42
1,2-Dichloroethane
Concen: 21.322 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion:	62	Resp:	71573
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



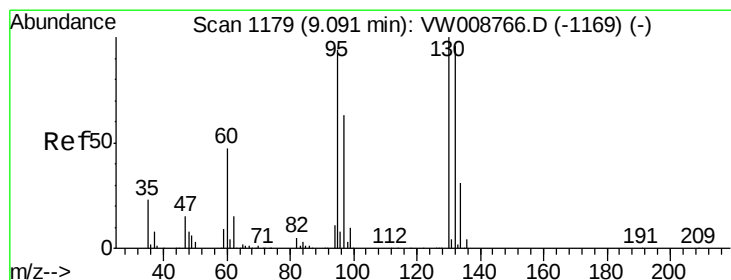
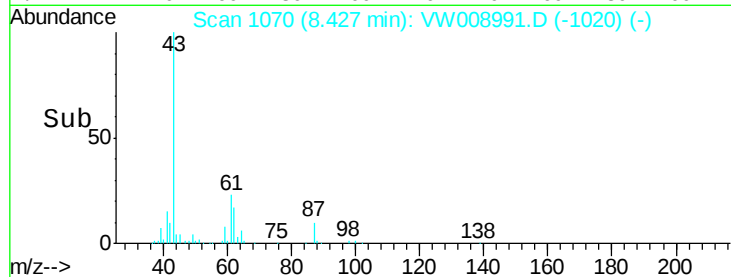
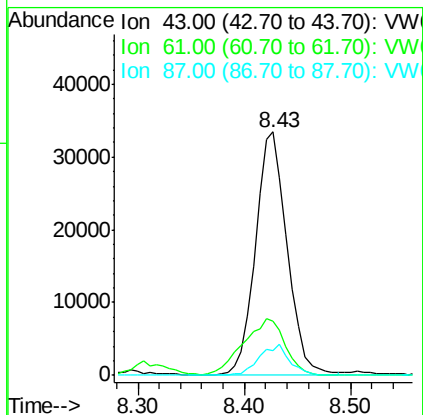
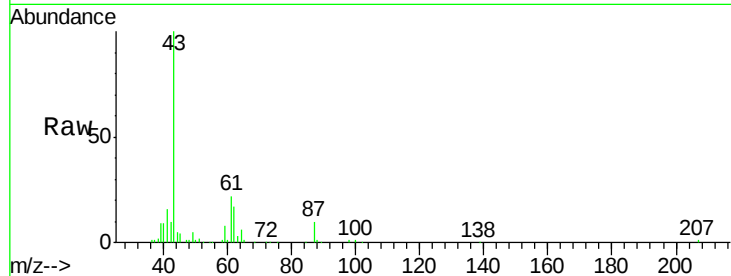


#43

Isopropyl Acetate
 Concen: 19.190 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampled :

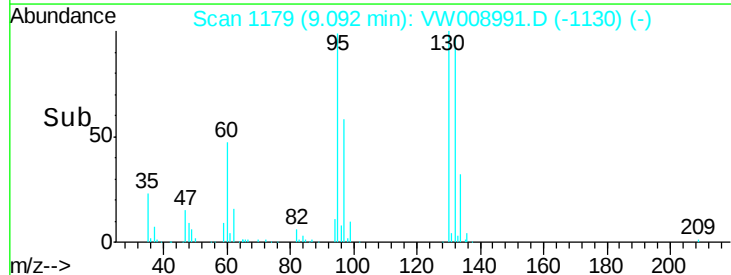
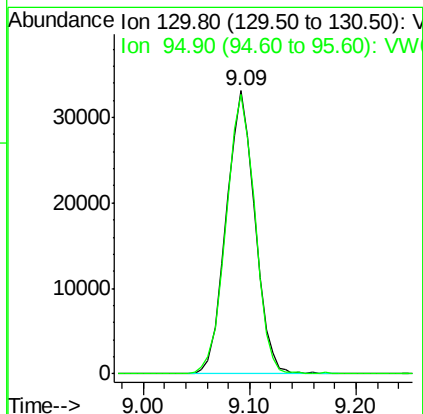
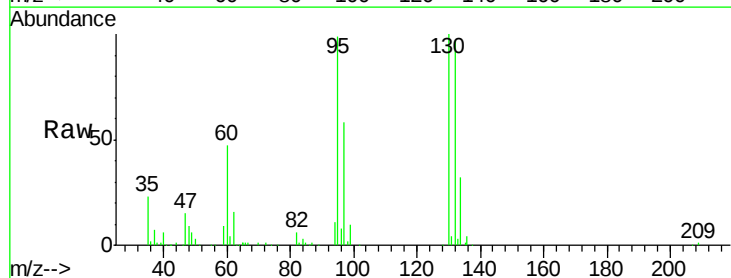
Tot Ion: 43 Resp: 69123
 Ion Ratio Lower Upper
 43 100
 61 30.5 23.2 34.8
 87 12.3 9.9 14.9

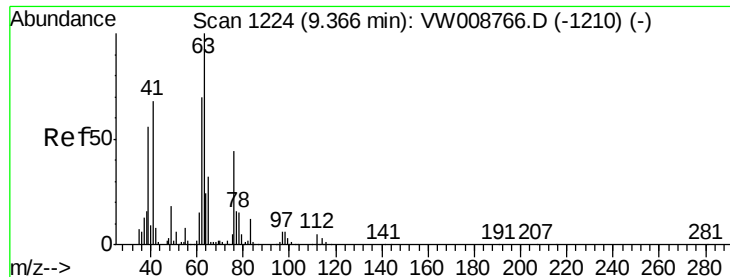


#44

Trichloroethene
 Concen: 21.018 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion: 130 Resp: 62740
 Ion Ratio Lower Upper
 130 100
 95 98.9 0.0 188.6





#45

1,2-Dichloropropane

Concen: 21.821 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

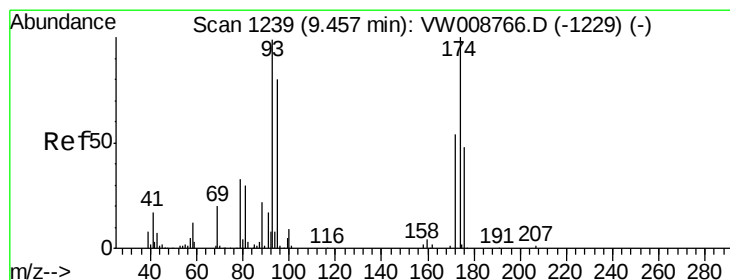
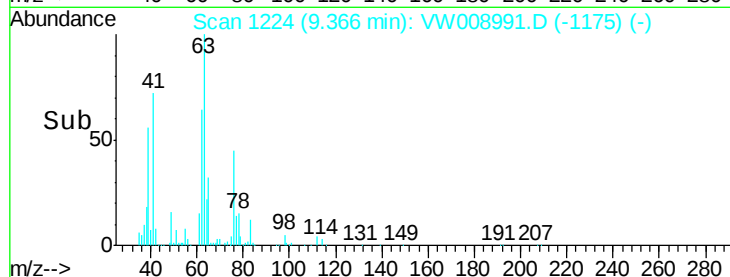
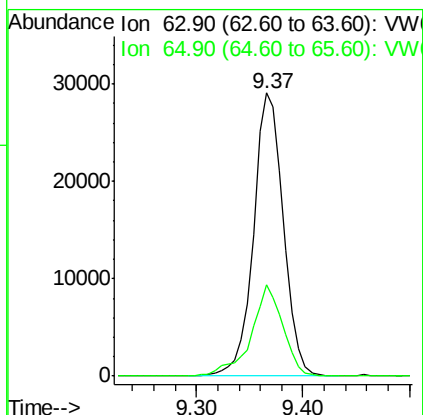
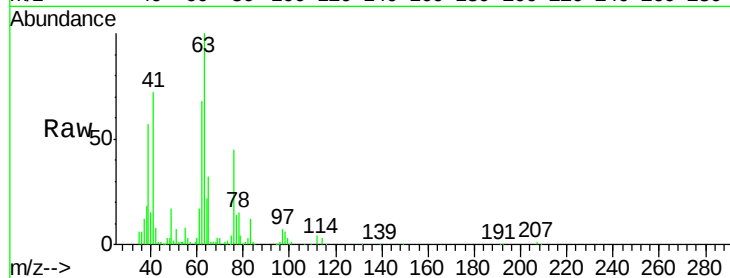
ClientSampleId :

Tot Ion: 63 Resp: 57139

Ion Ratio Lower Upper

63 100

65 32.3 25.5 38.3



#46

Dibromomethane

Concen: 20.610 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

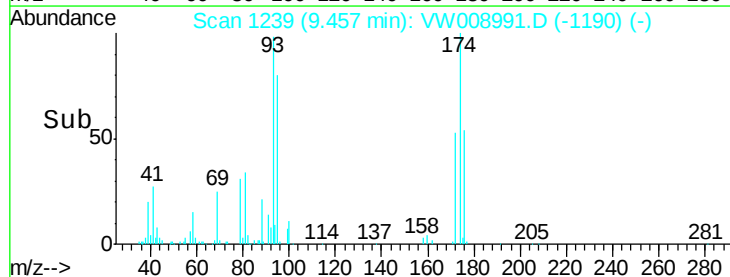
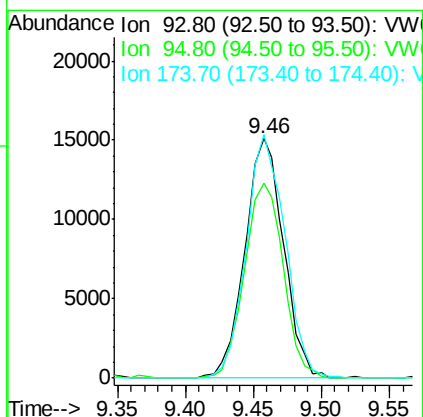
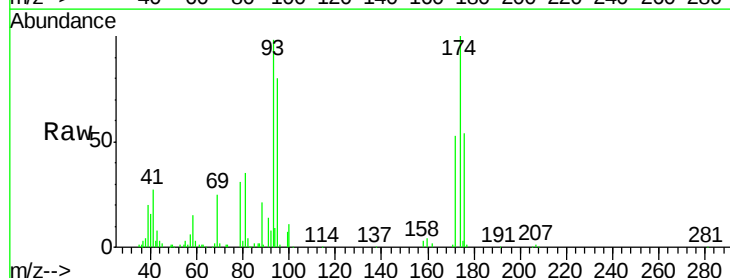
Tgt Ion: 93 Resp: 30019

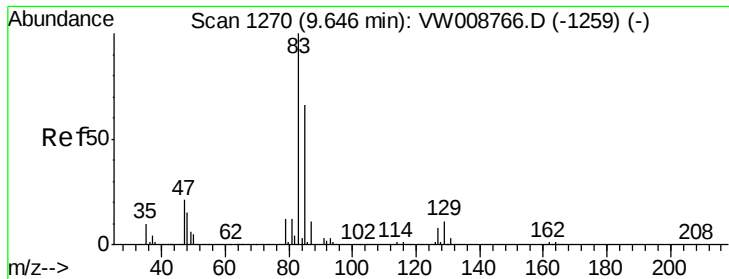
Ion Ratio Lower Upper

93 100

95 81.9 67.7 101.5

174 102.3 86.7 130.1





#47

Bromodichloromethane

Concen: 21.692 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

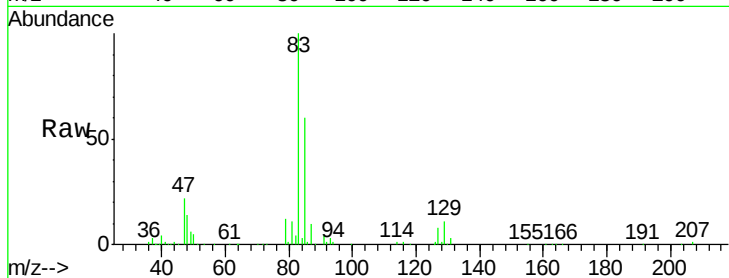
Tot Ion: 83 Resp: 76871

Ion Ratio Lower Upper

83 100

85 60.3 52.5 78.7

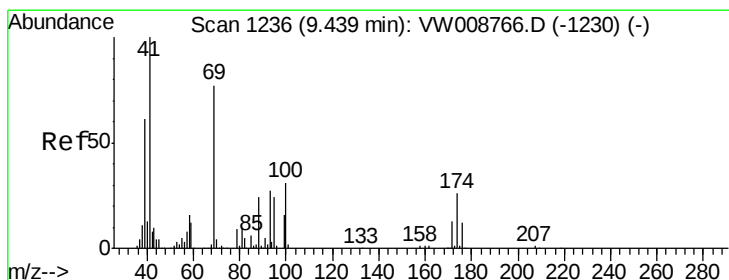
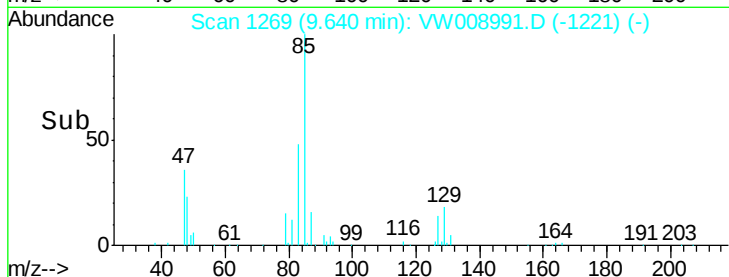
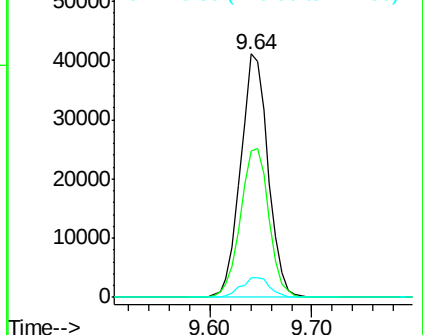
127 8.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.147 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

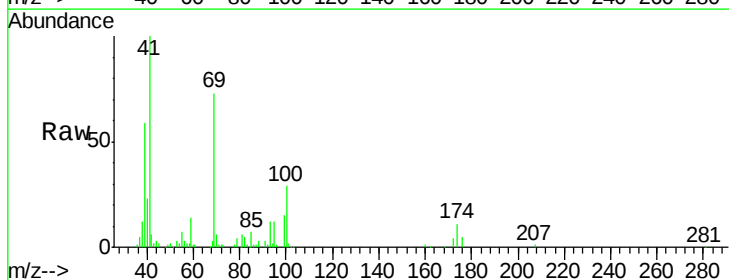
Tgt Ion: 41 Resp: 31306

Ion Ratio Lower Upper

41 100

69 84.3 63.6 95.4

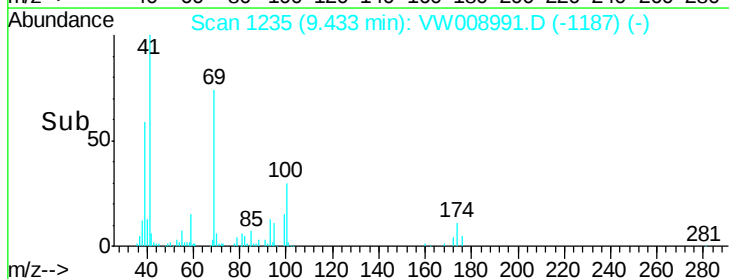
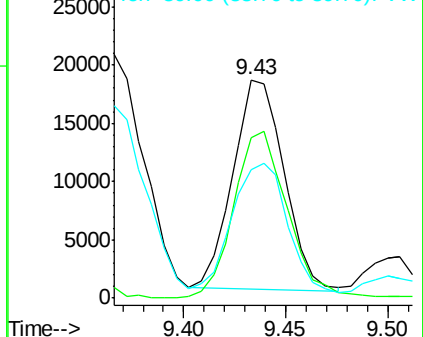
39 71.9 52.1 78.1

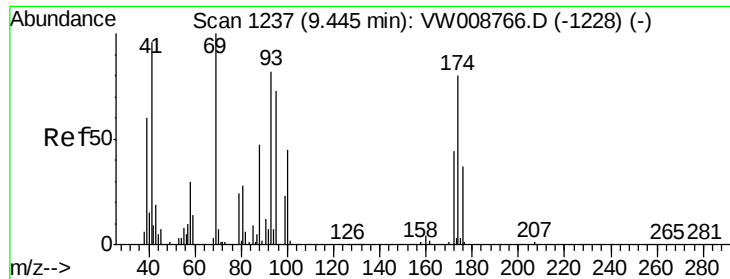


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

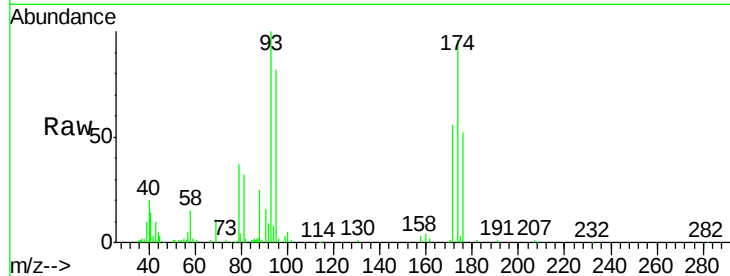




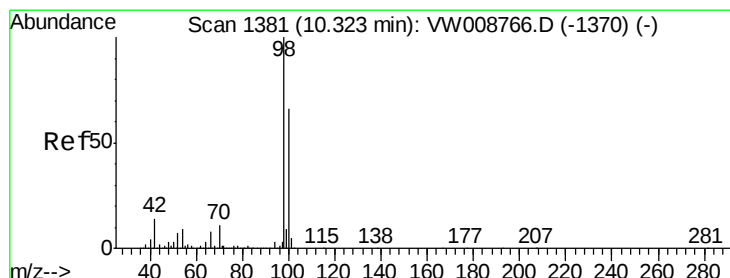
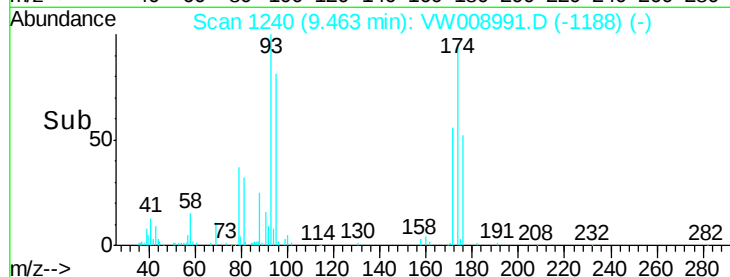
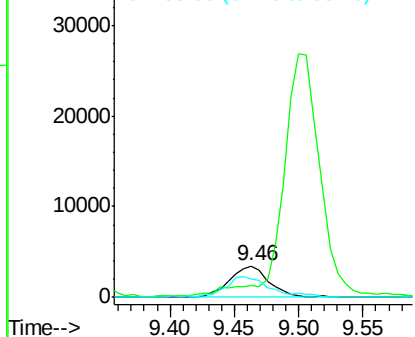
#49
1,4-Dioxane
Concen: 318.717 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 7434
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 76.5 52.0 78.0

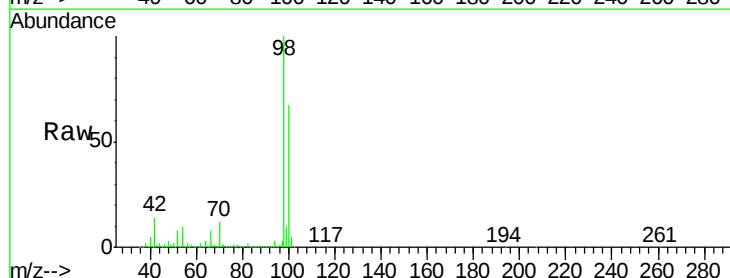


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

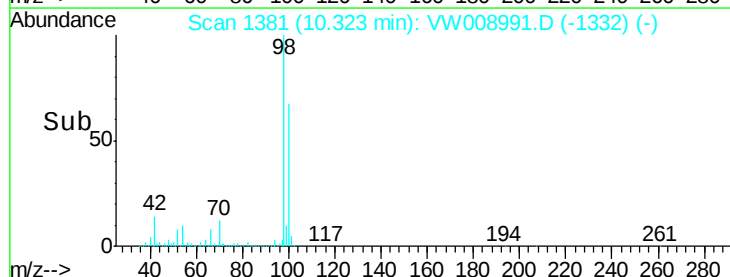
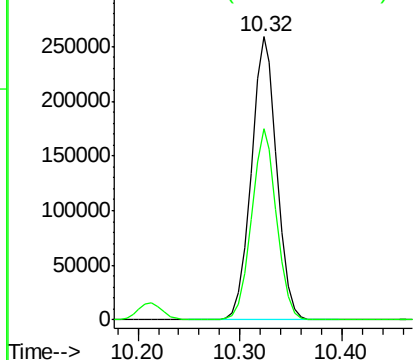


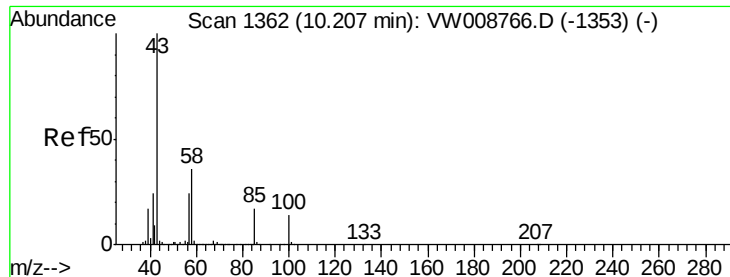
#50
Toluene-d8
Concen: 48.611 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 98 Resp: 449203
Ion Ratio Lower Upper
98 100
100 66.3 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: 95.817 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

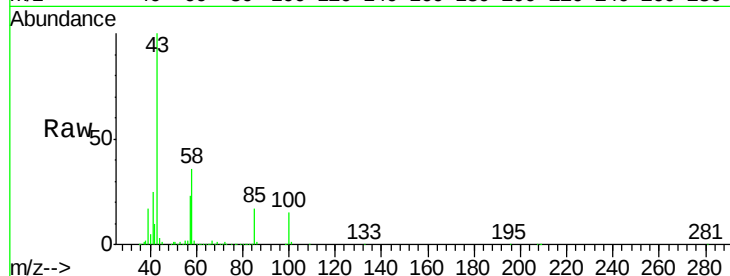
ClientSampled :

Tot Ion: 43 Resp: 175221

Ion Ratio Lower Upper

43 100

58 36.5 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

100000

80000

60000

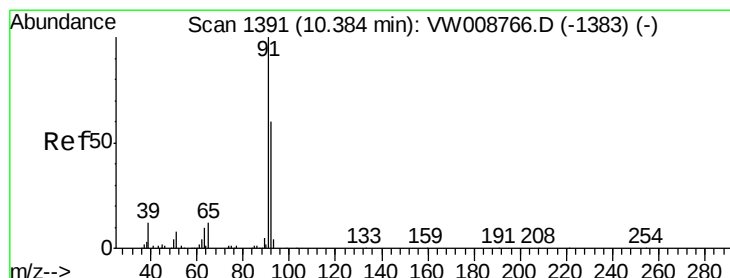
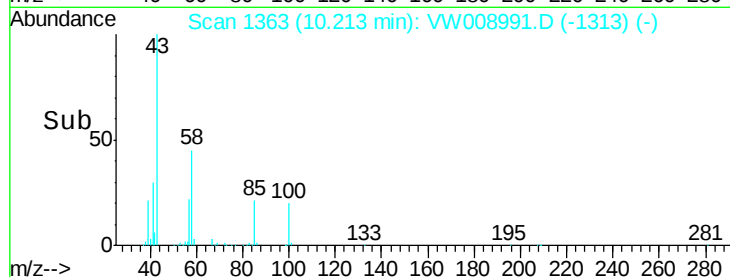
40000

20000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 21.083 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008991.D

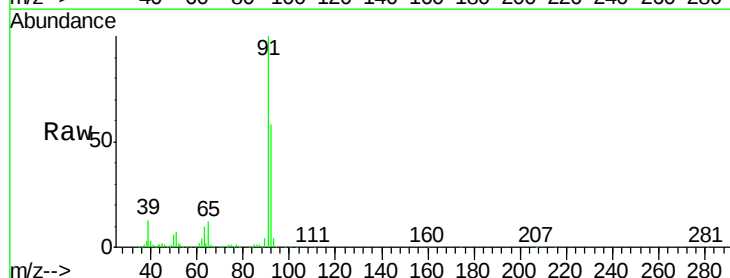
Acq: 05 Mar 2019 12:44

Tgt Ion: 92 Resp: 151621

Ion Ratio Lower Upper

92 100

91 172.8 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

150000

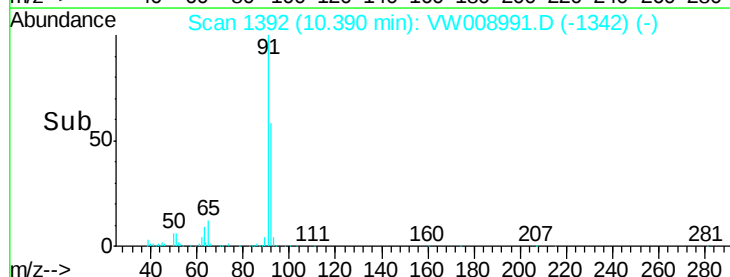
100000

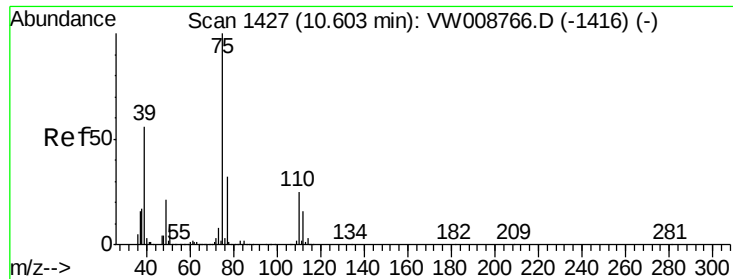
50000

0

Time-->

10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 20.506 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

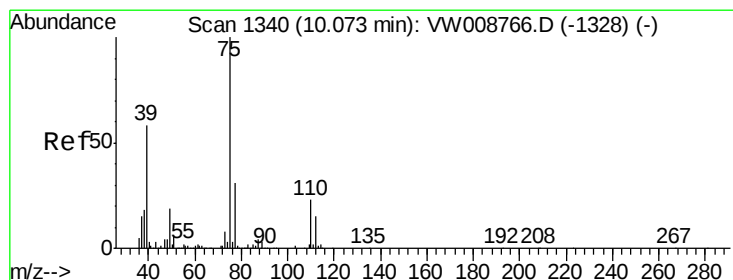
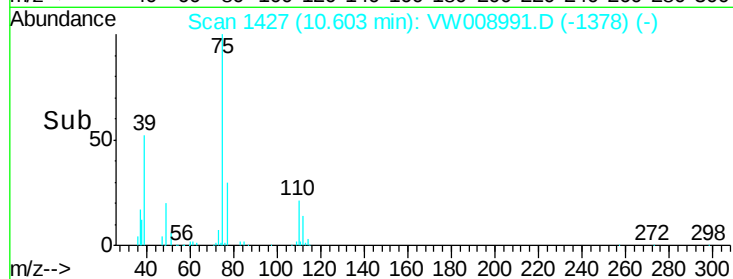
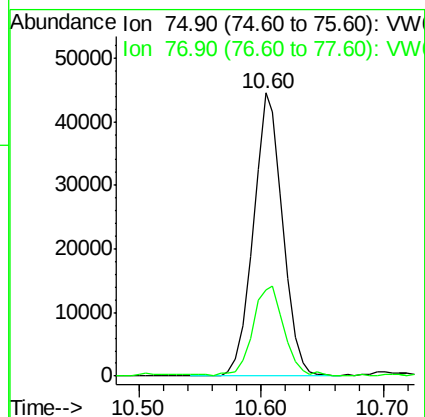
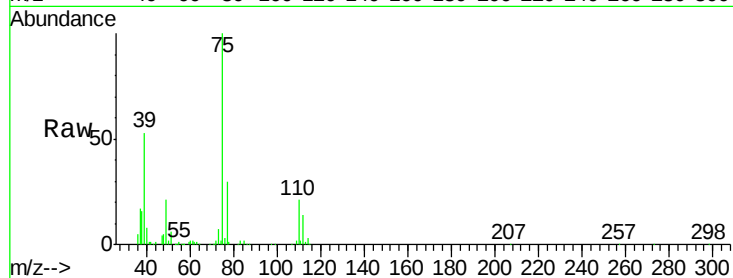
ClientSampleId :

Tot Ion: 75 Resp: 74067

Ion Ratio Lower Upper

75 100

77 30.2 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 20.935 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

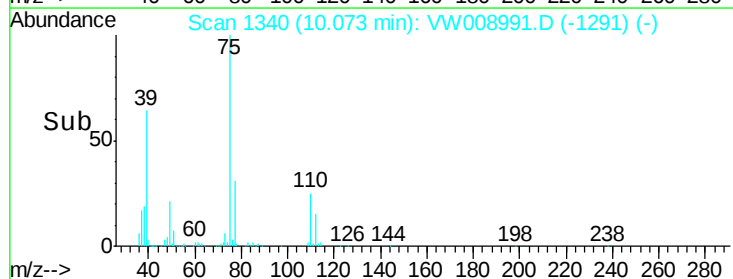
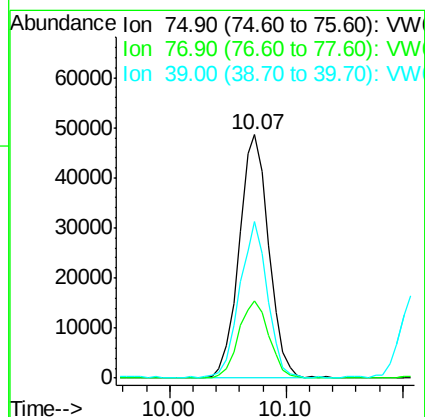
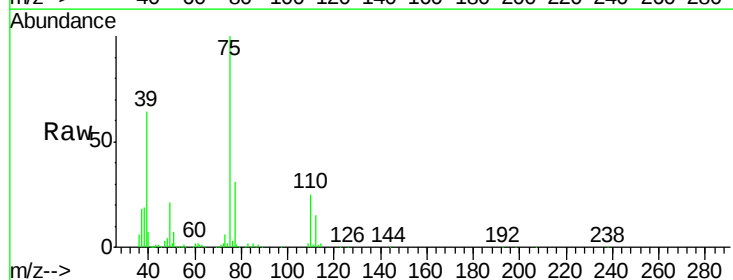
Tgt Ion: 75 Resp: 86242

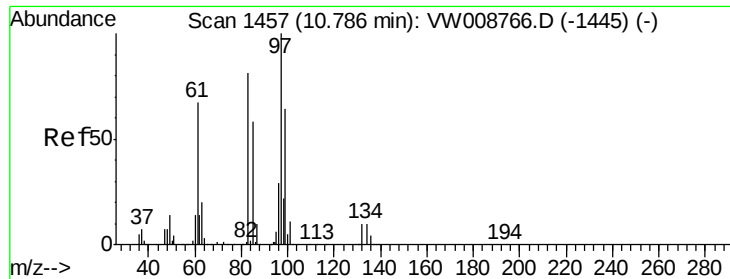
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 63.9 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 20.780 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

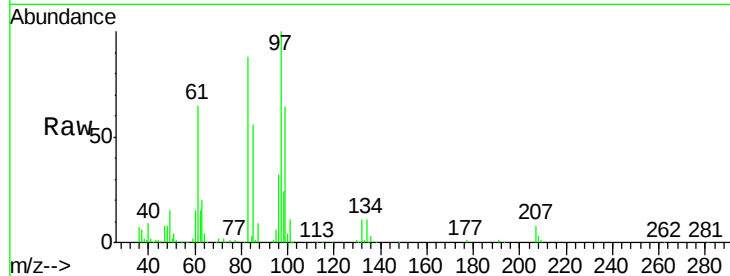
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 41047

Ion	Ratio	Lower	Upper
97	100		
83	88.0	65.0	97.6
85	56.3	46.0	69.0
99	64.6	51.1	76.7

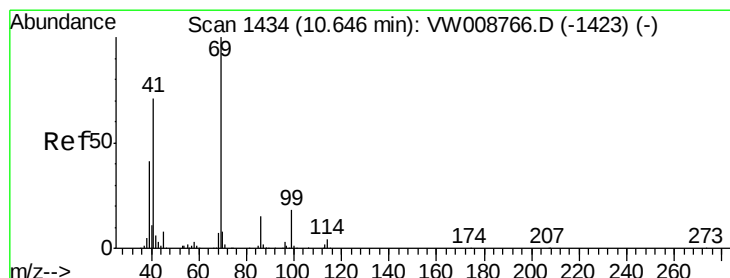
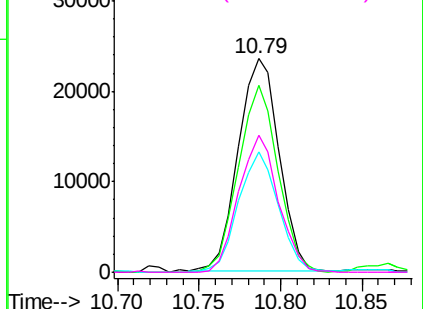
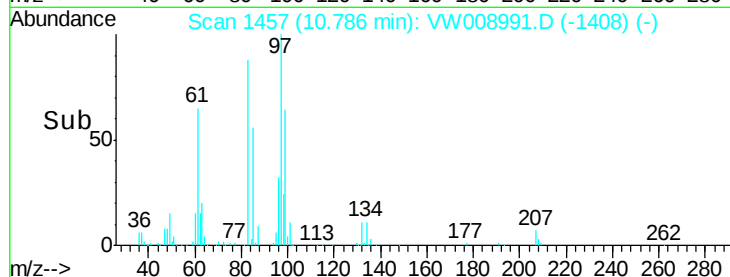


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.100 ug/l

RT: 10.65 min Scan# 1434

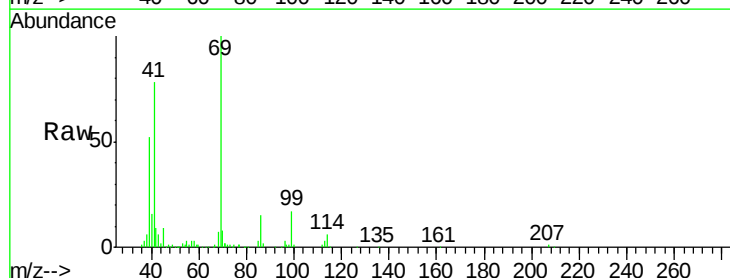
Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion: 69 Resp: 49015

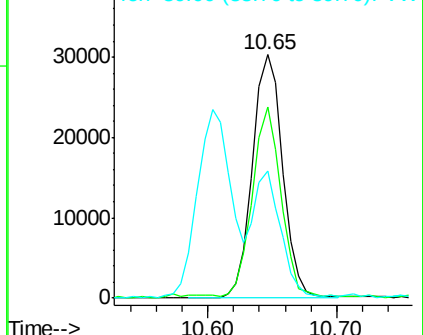
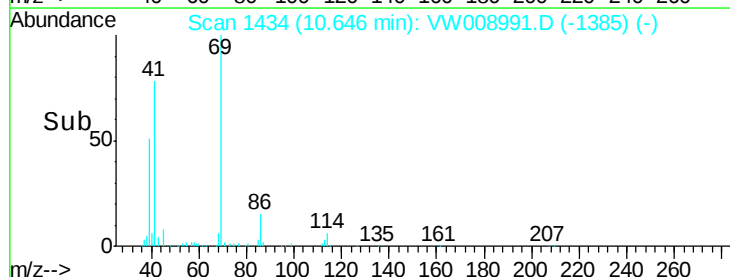
Ion	Ratio	Lower	Upper
69	100		
41	73.3	57.4	86.0
39	46.5	34.8	52.2

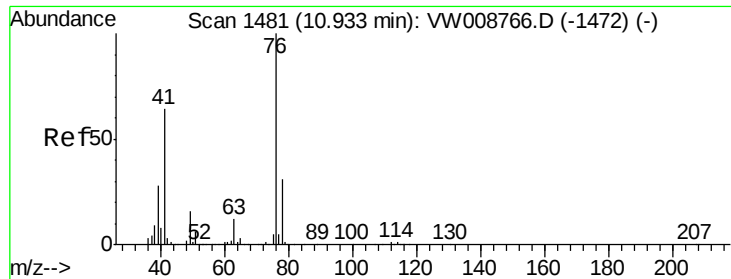


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

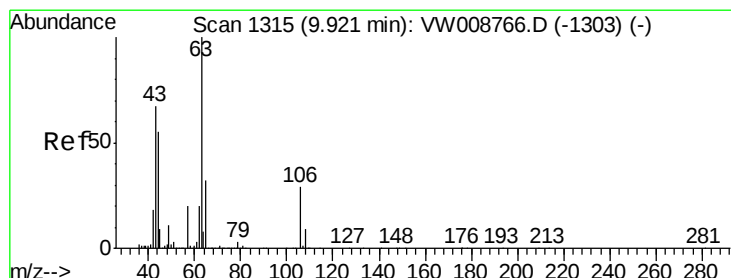
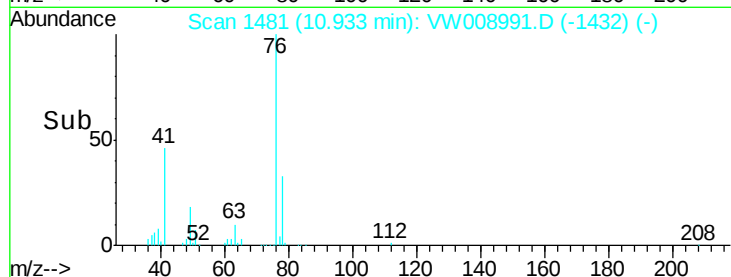
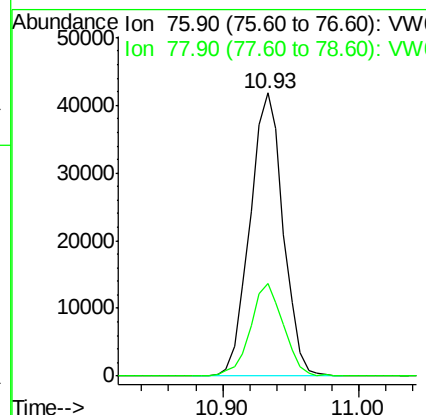
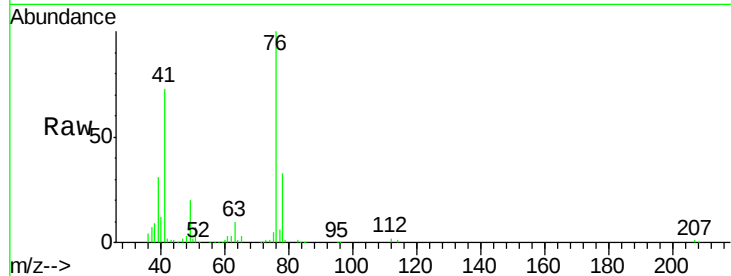




#57
 1,3-Dichloropropane
 Concen: 20.567 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

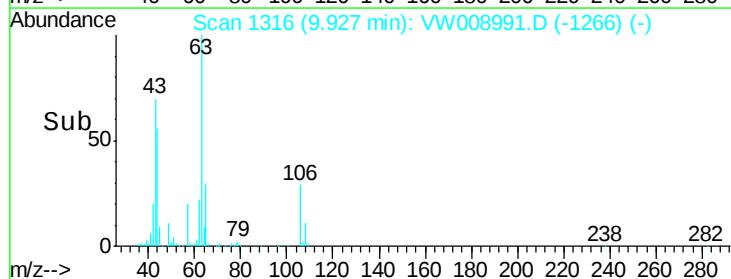
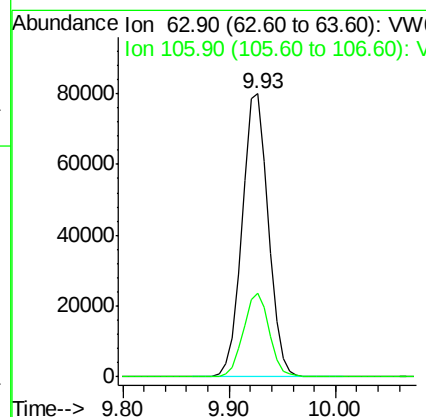
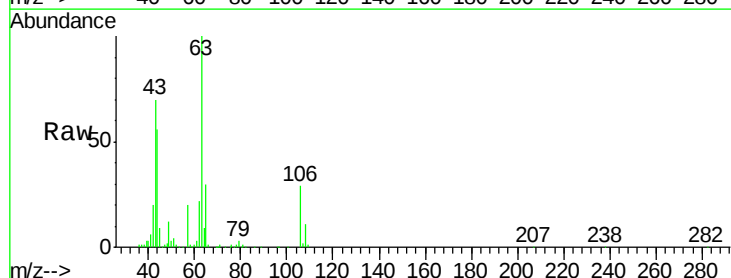
Instrument :
 MSVOA_W
 ClientSampled :

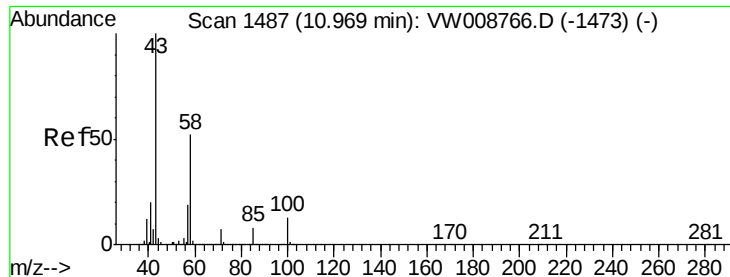
Tot Ion: 76 Resp: 71728
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.275 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion: 63 Resp: 138460
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.0 36.0





#59

2-Hexanone

Concen: 97.214 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

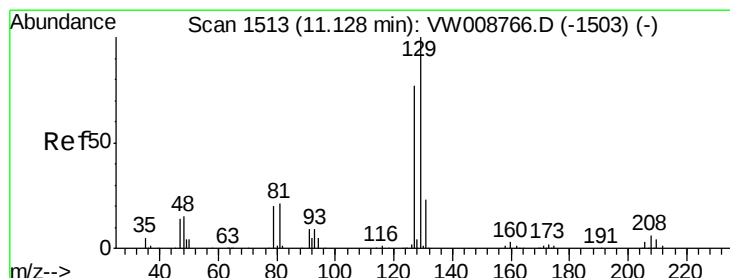
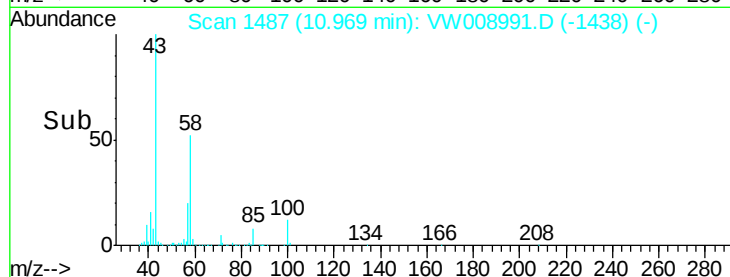
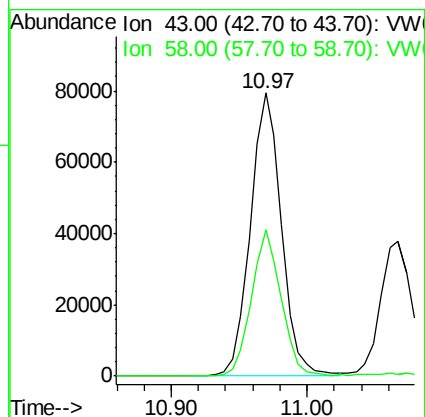
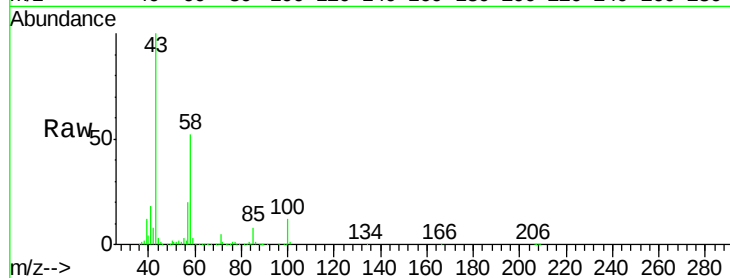
ClientSampled :

Tot Ion: 43 Resp: 126548

Ion Ratio Lower Upper

43 100

58 49.5 25.3 75.8



#60

Dibromochloromethane

Concen: 20.659 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008991.D

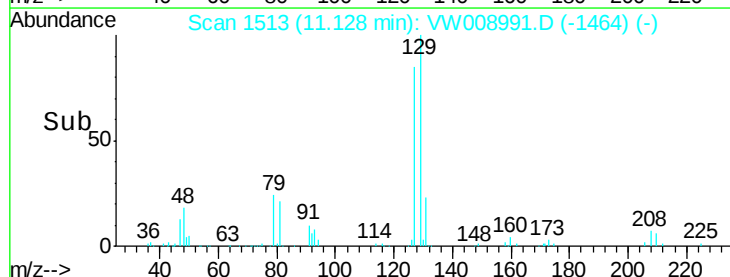
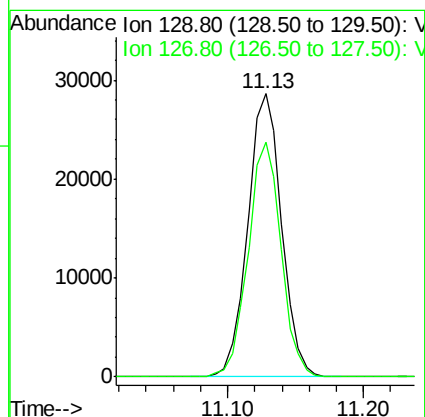
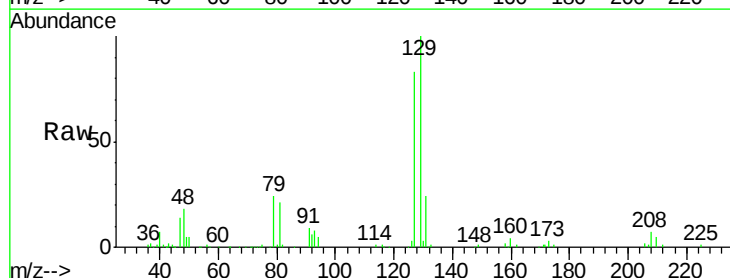
Acq: 05 Mar 2019 12:44

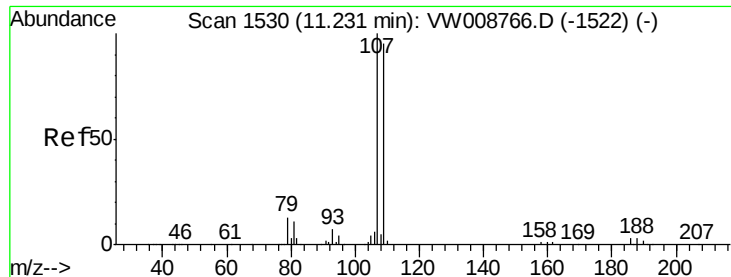
Tgt Ion: 129 Resp: 49773

Ion Ratio Lower Upper

129 100

127 81.0 39.0 116.9

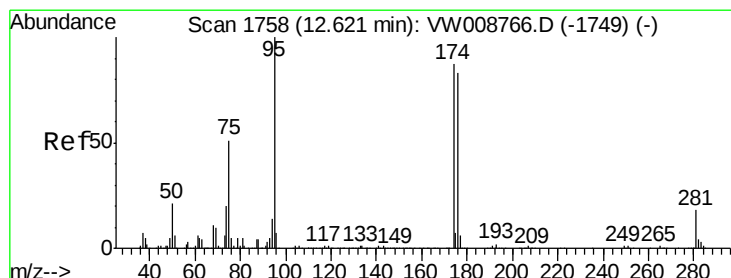
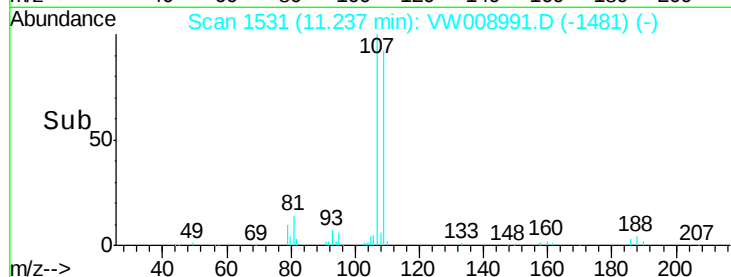
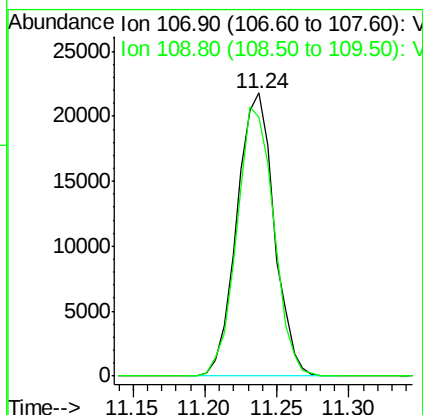
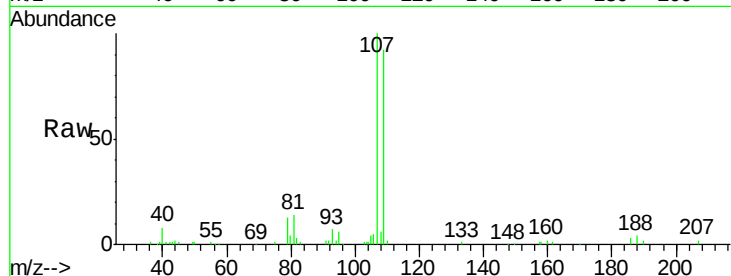




#61
 1,2-Dibromoethane
 Concen: 19.983 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

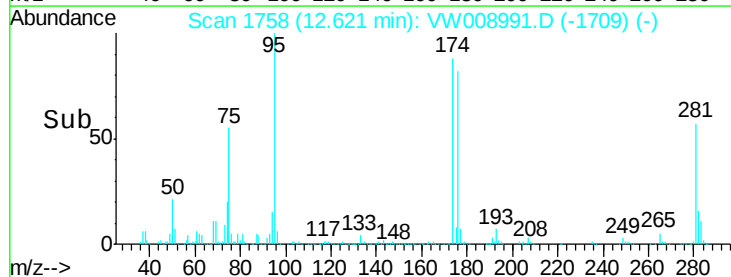
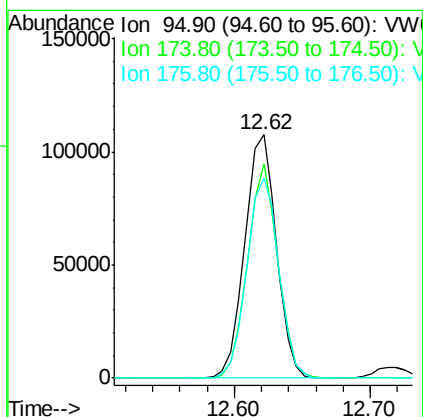
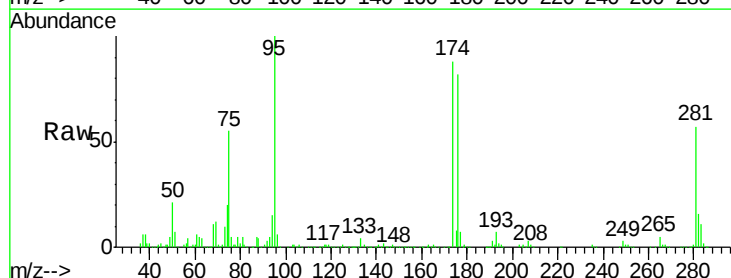
Instrument :
 MSVOA_W
 ClientSampleId :

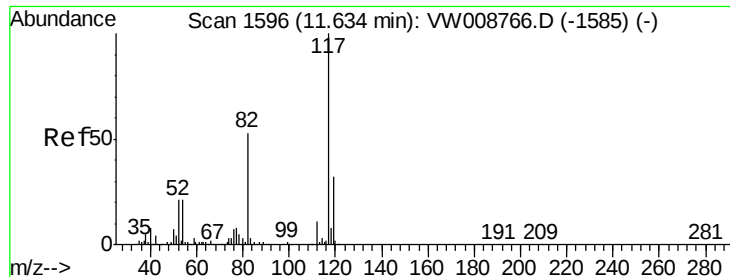
Tot Ion: 107 Resp: 39071
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.358 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion: 95 Resp: 174965
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 169.2
 176 83.3 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: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

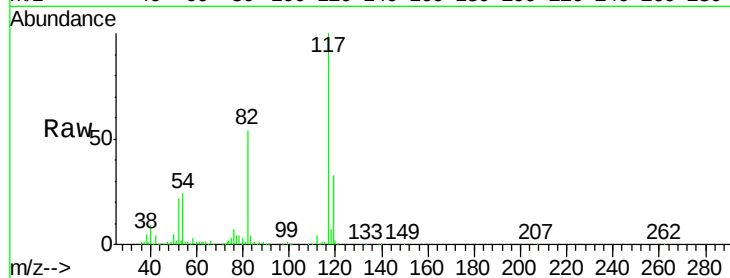
Tot Ion:117 Resp: 382102

Ion Ratio Lower Upper

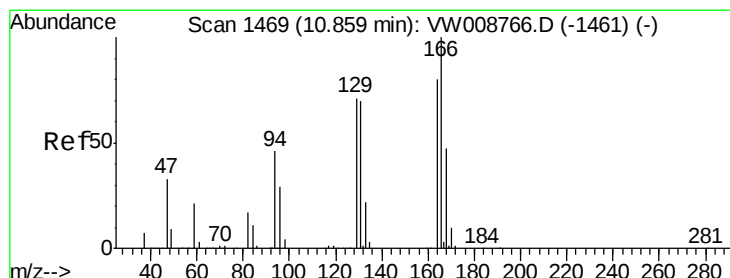
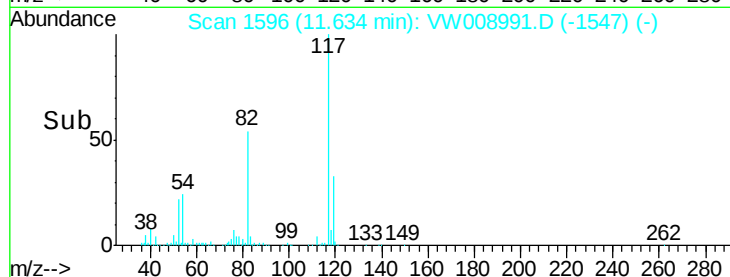
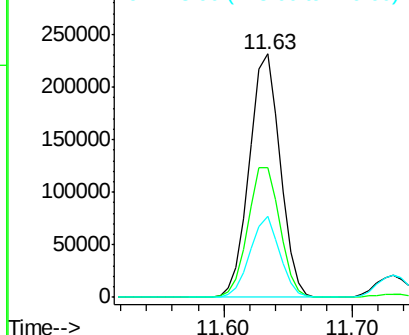
117 100

82 53.5 42.2 63.4

119 33.1 25.9 38.9



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



#64

Tetrachloroethene

Concen: 20.654 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:164 Resp: 56493

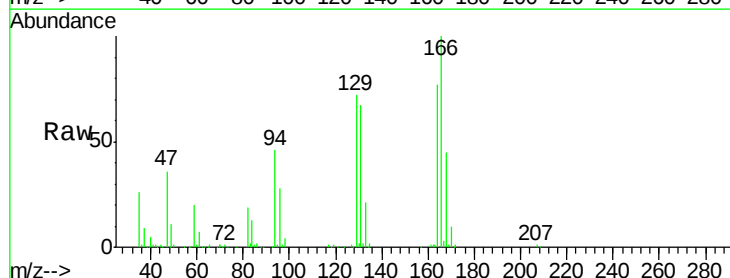
Ion Ratio Lower Upper

164 100

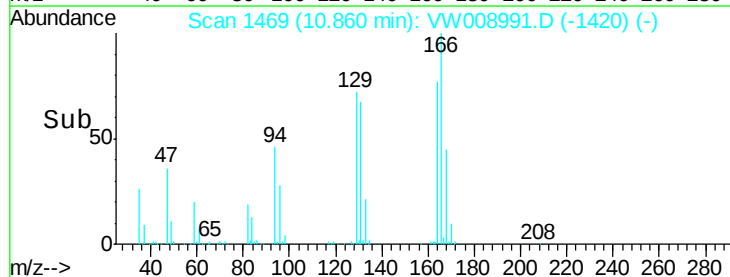
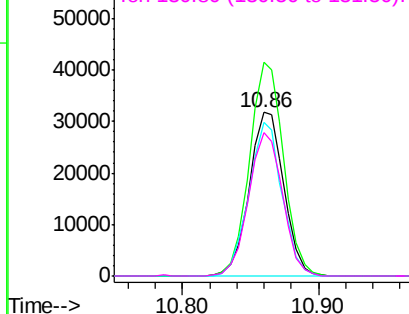
166 130.7 99.5 149.3

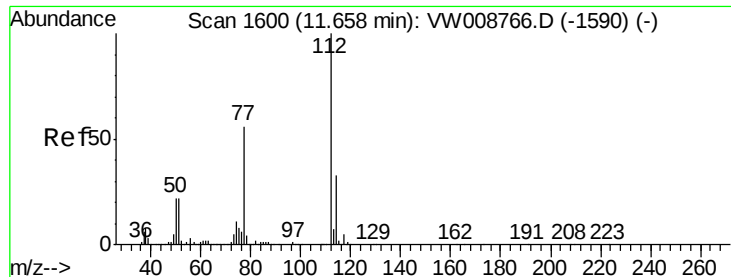
129 94.1 71.1 106.7

131 88.1 69.8 104.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

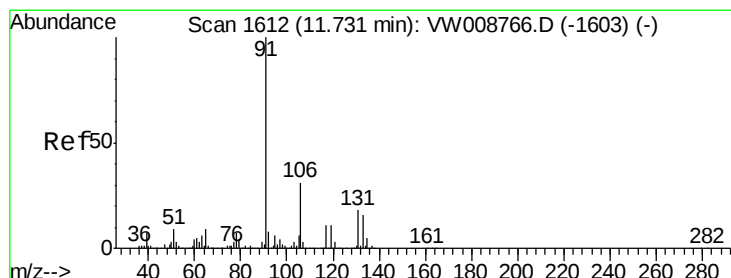
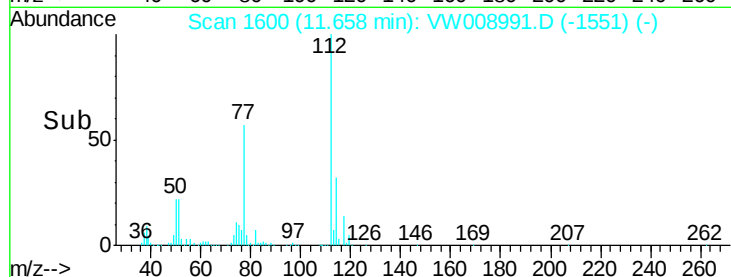
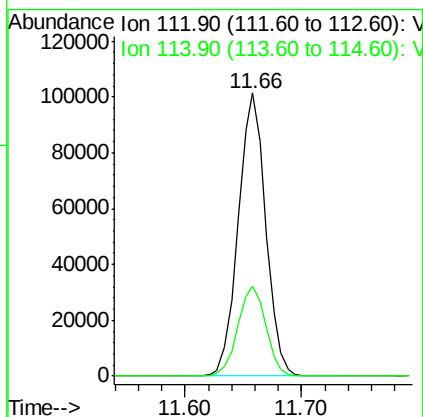
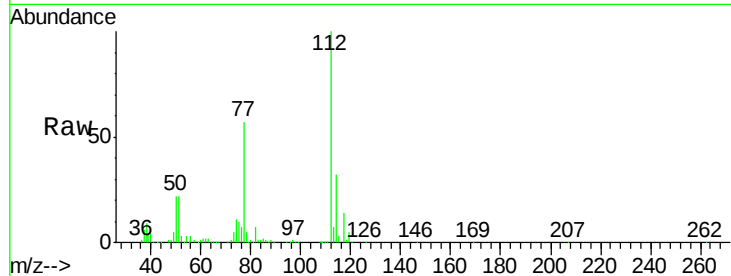




#65
Chlorobenzene
Concen: 20.744 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

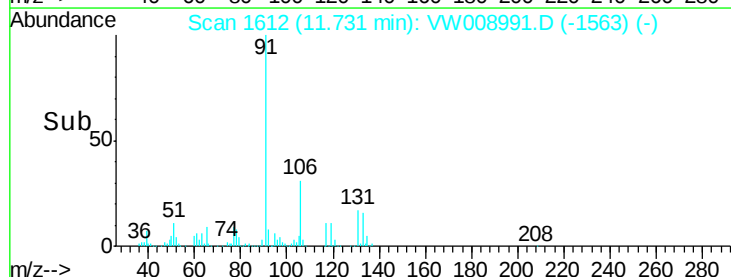
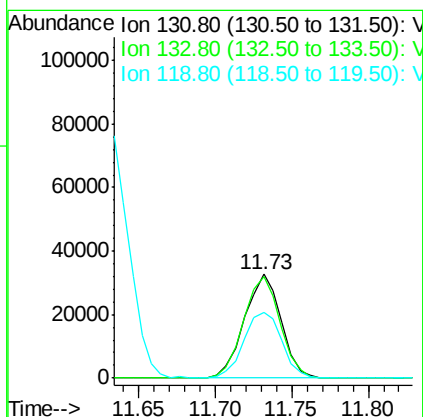
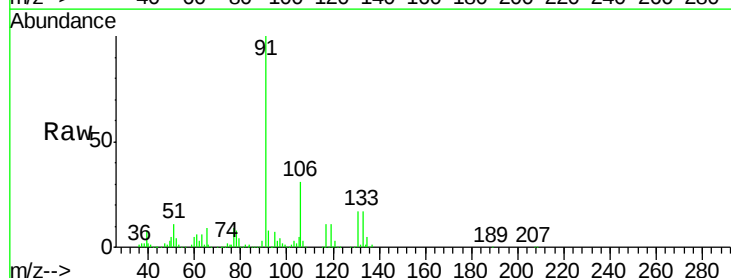
Instrument :
MSVOA_W
ClientSampled :

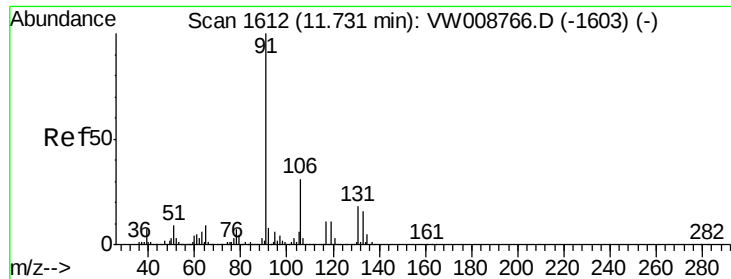
Tot Ion:112 Resp: 166665
Ion Ratio Lower Upper
112 100
114 31.8 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.145 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion:131 Resp: 54728
Ion Ratio Lower Upper
131 100
133 97.0 46.7 140.0
119 65.7 30.8 92.4

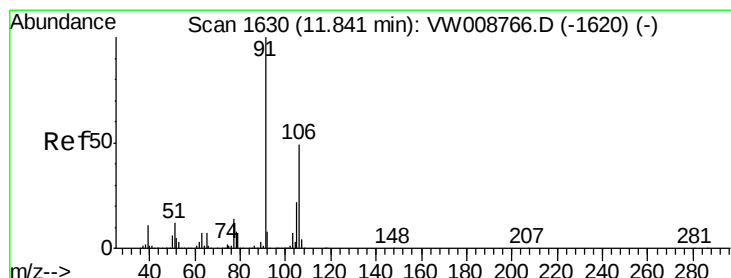
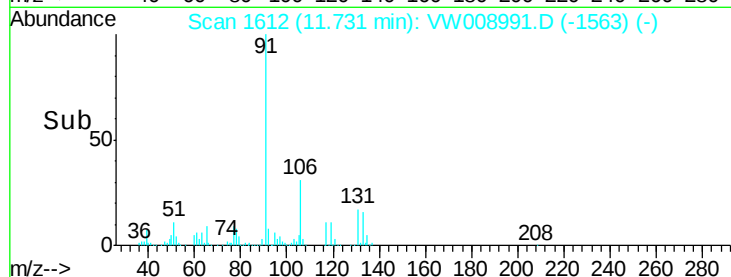
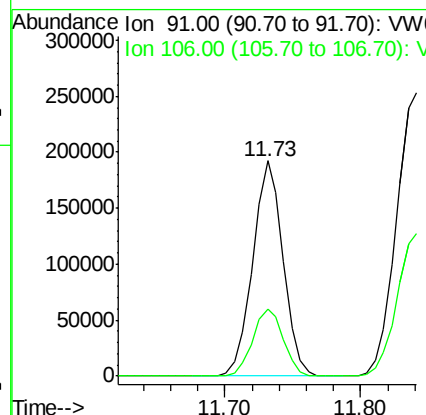
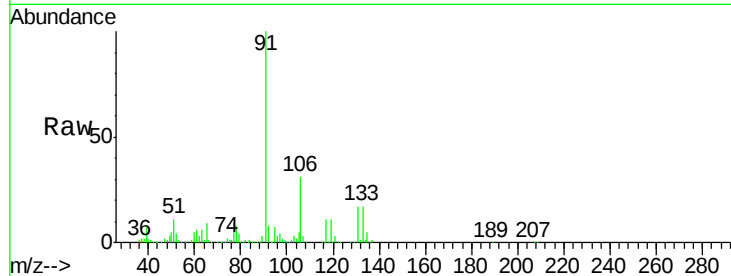




#67
Ethyl Benzene
Concen: 20.850 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

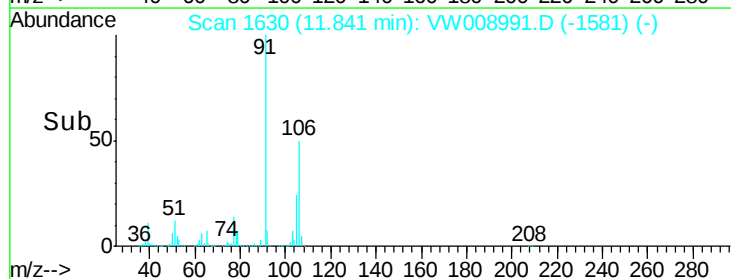
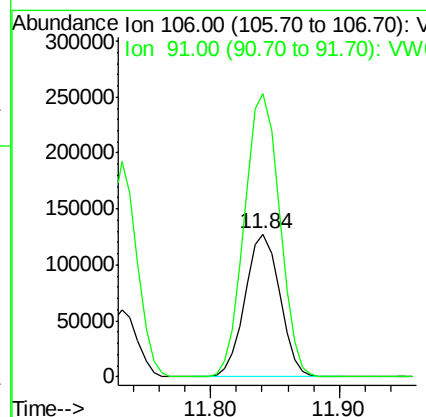
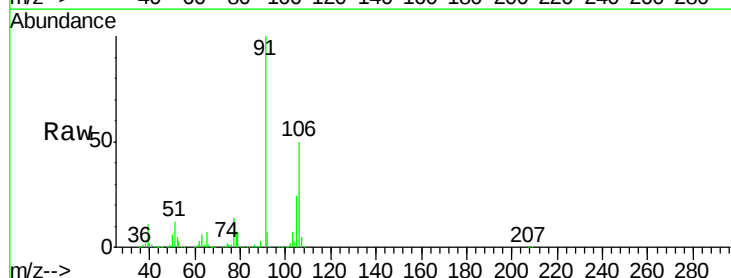
Instrument :
MSVOA_W
ClientSampled :

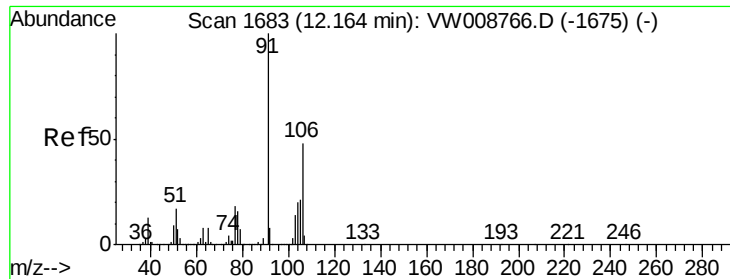
Tot Ion: 91 Resp: 299474
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 41.688 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 106 Resp: 239239
Ion Ratio Lower Upper
106 100
91 200.4 161.5 242.3

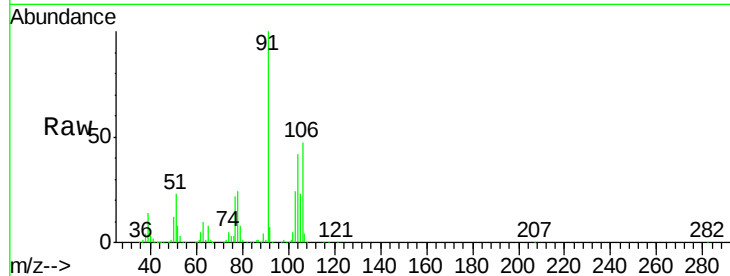




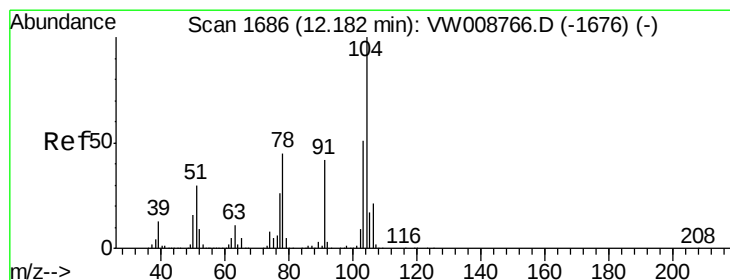
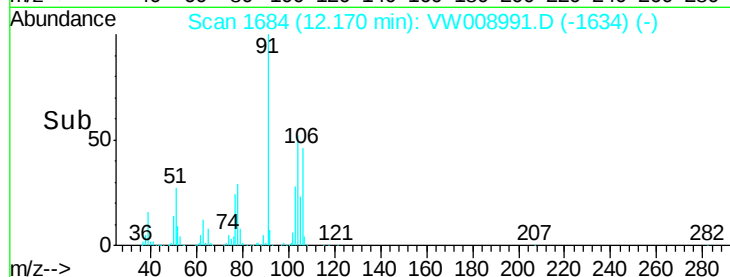
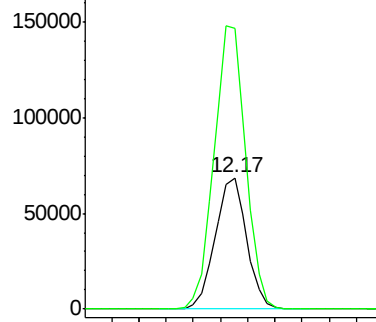
#69
o-Xylene
Concen: 20.576 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 110833
Ion Ratio Lower Upper
106 100
91 216.8 106.2 318.6

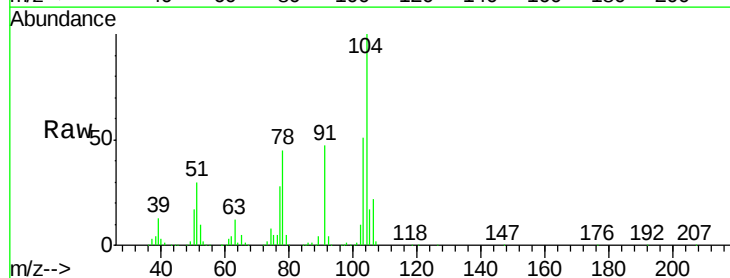


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

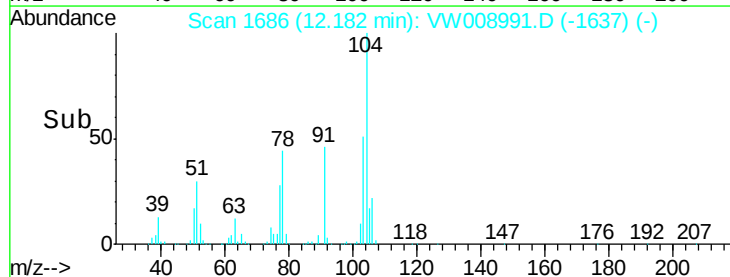
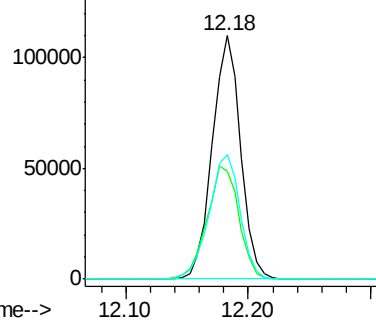


#70
Styrene
Concen: 20.378 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion:104 Resp: 176594
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 55.9 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.621 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

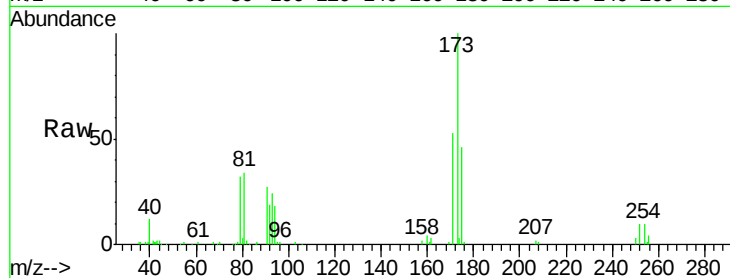
Tot Ion:173 Resp: 28652

Ion Ratio Lower Upper

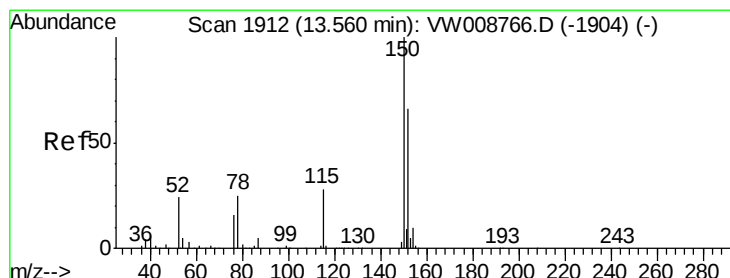
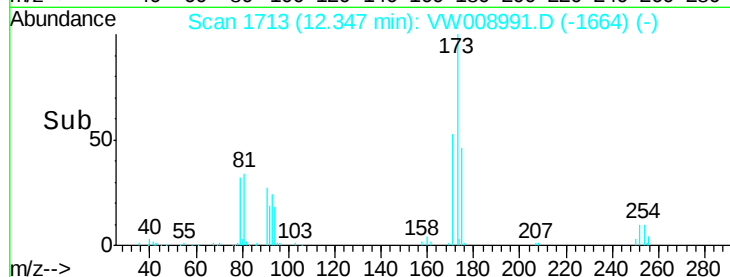
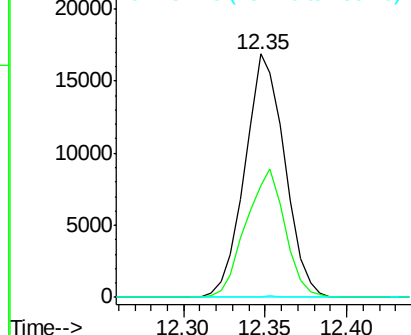
173 100

175 51.6 24.2 72.6

254 0.1 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: VW008991.D

Acq: 05 Mar 2019 12:44

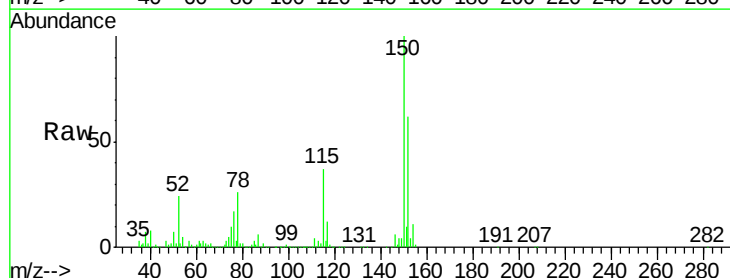
Tgt Ion:152 Resp: 209845

Ion Ratio Lower Upper

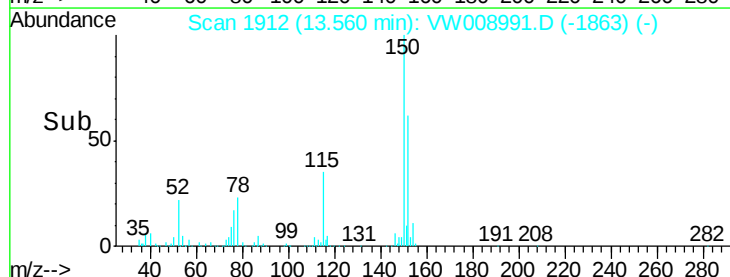
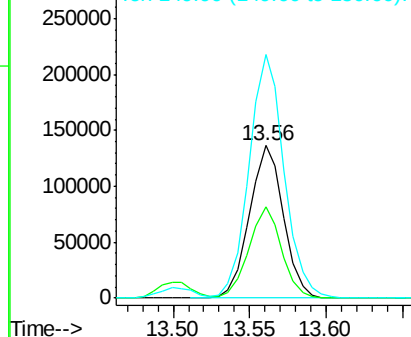
152 100

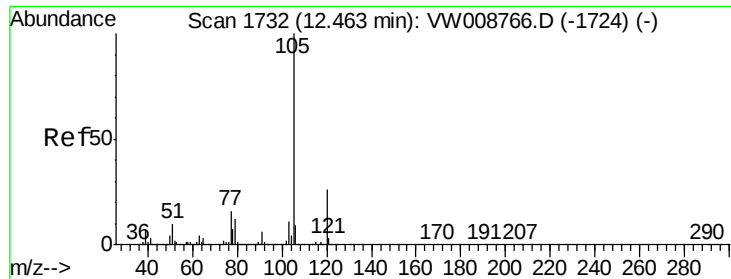
115 58.1 28.6 85.8

150 165.2 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: 21.246 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

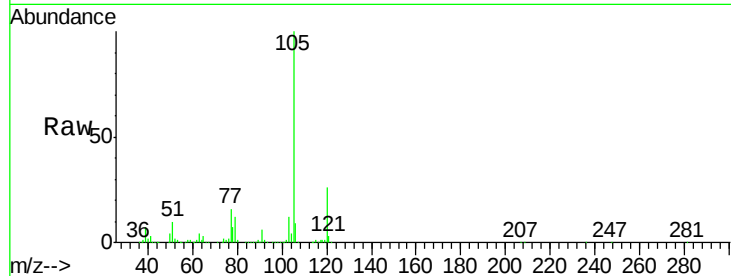
ClientSampleId :

Tot Ion:105 Resp: 305634

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

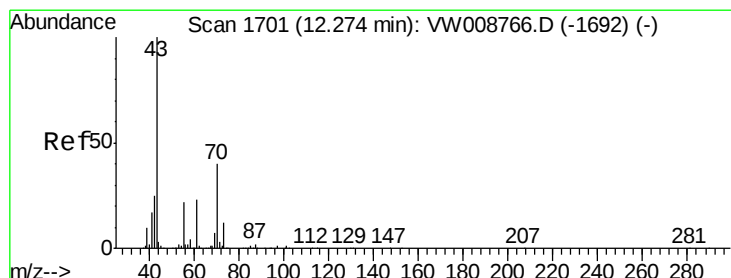
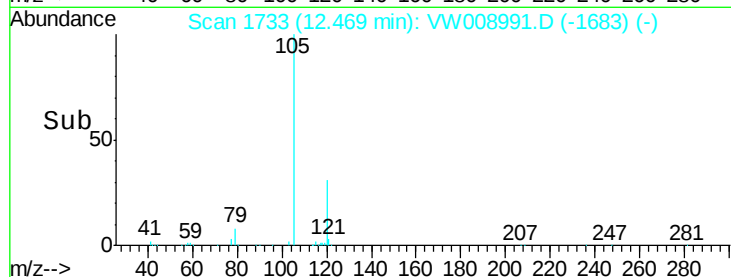
100000

50000

0

12.40 12.47 12.50

Time-->



#74

N-ethyl acetate

Concen: 18.997 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion: 43 Resp: 68838

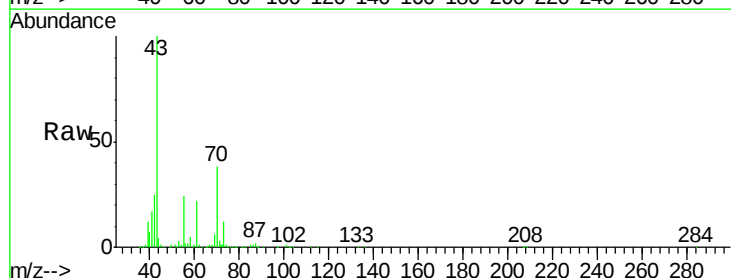
Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.6

55 24.7 18.7 28.1

61 21.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

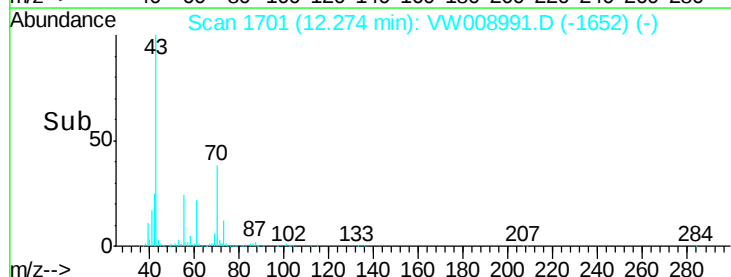
40000

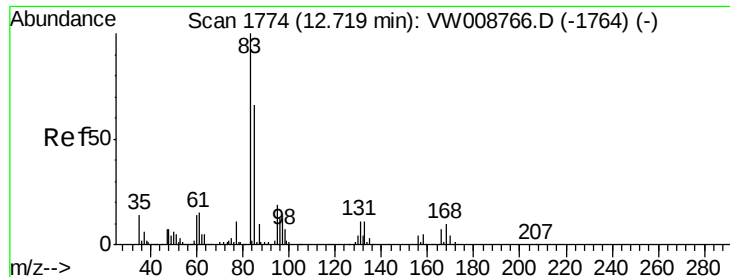
20000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.500 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

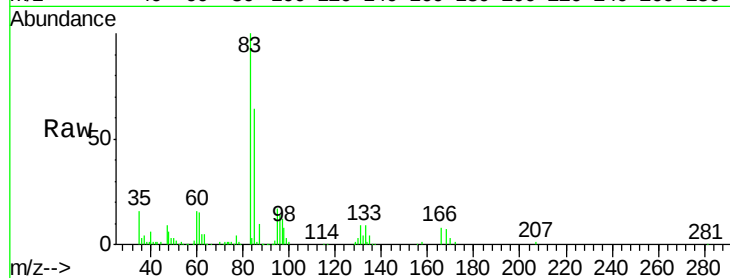
Tot Ion: 83 Resp: 45836

Ion Ratio Lower Upper

83 100

131 11.9 5.5 16.7

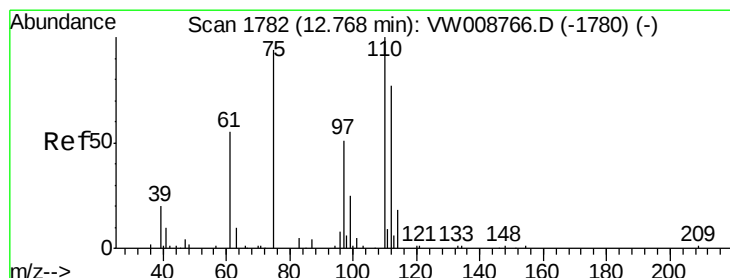
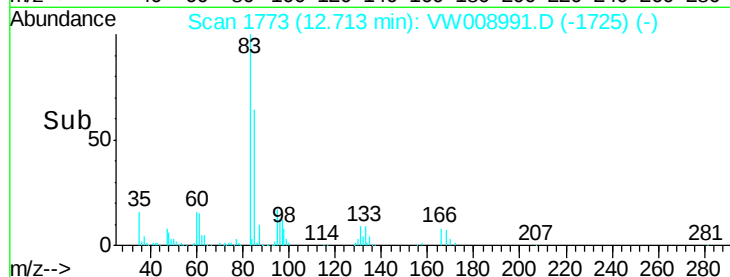
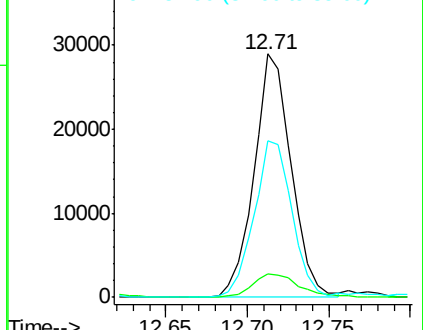
85 66.3 33.0 98.9



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: 37.982 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008991.D

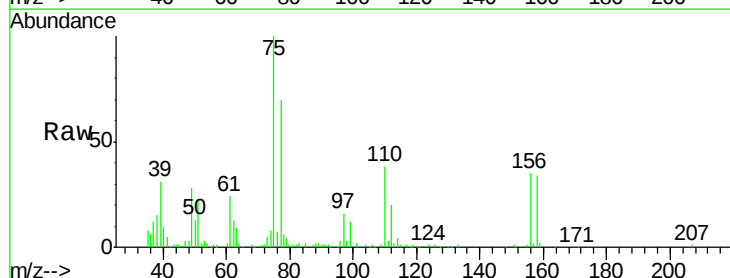
Acq: 05 Mar 2019 12:44

Tgt Ion: 75 Resp: 65805

Ion Ratio Lower Upper

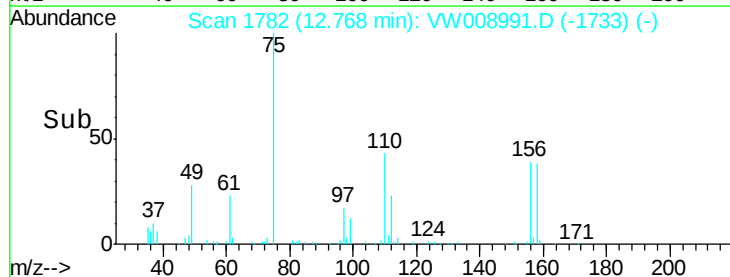
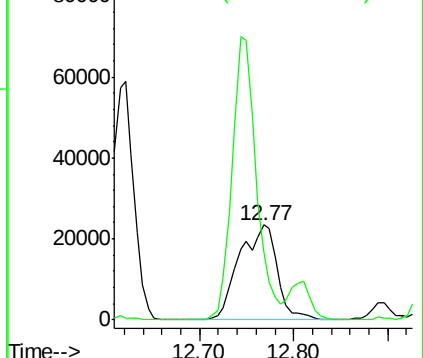
75 100

77 0.0 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: 20.814 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

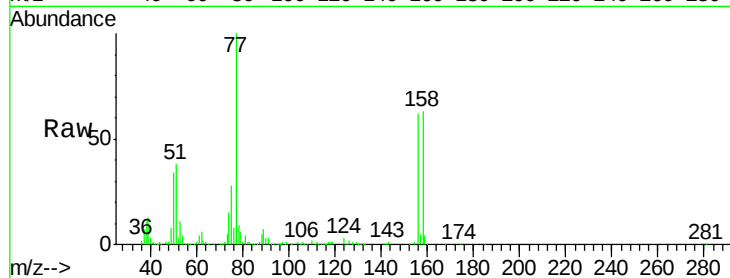
Tot Ion:156 Resp: 70756

Ion Ratio Lower Upper

156 100

77 176.7 89.1 267.4

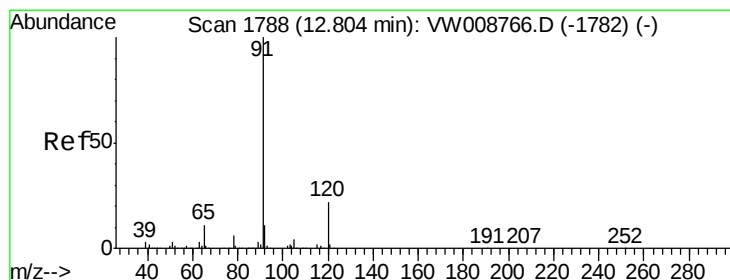
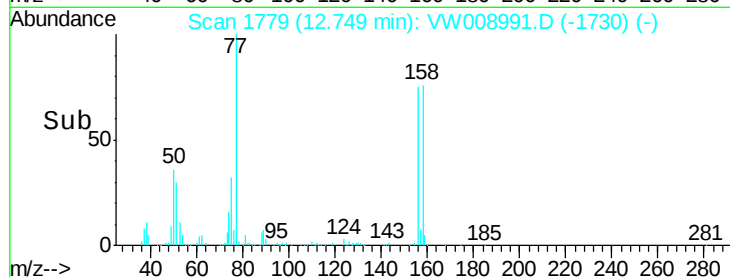
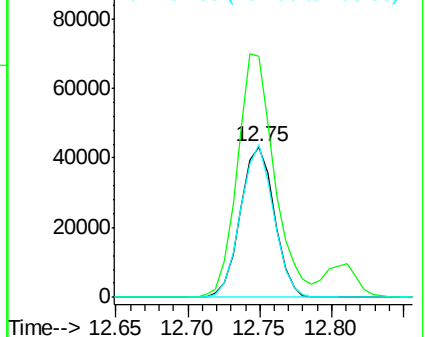
158 98.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.607 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008991.D

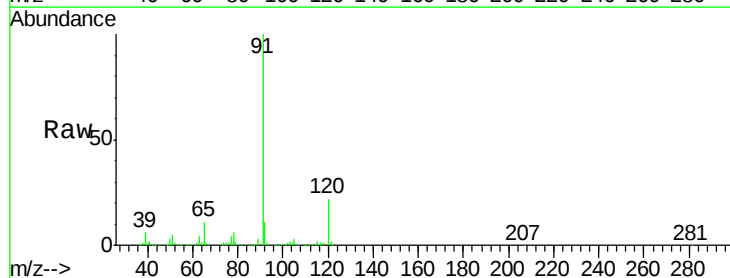
Acq: 05 Mar 2019 12:44

Tgt Ion: 91 Resp: 380217

Ion Ratio Lower Upper

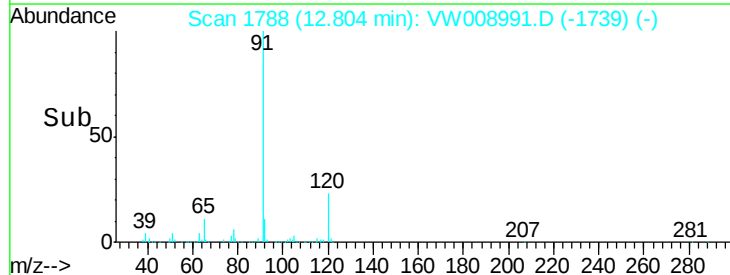
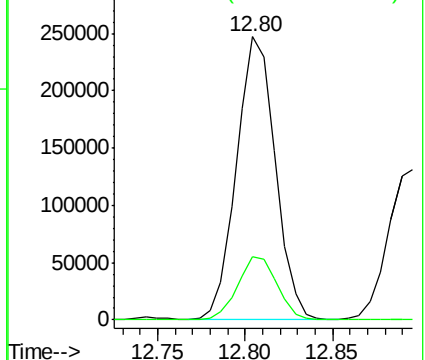
91 100

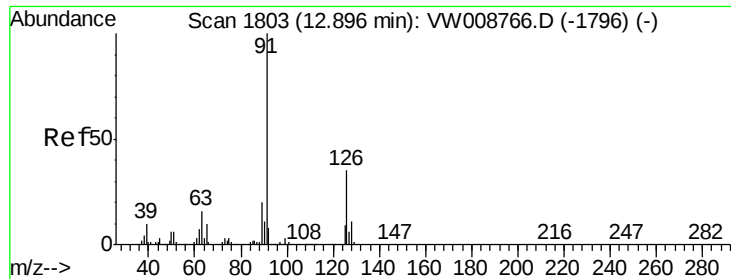
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.382 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

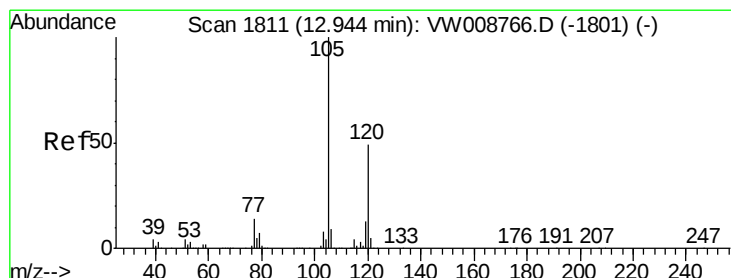
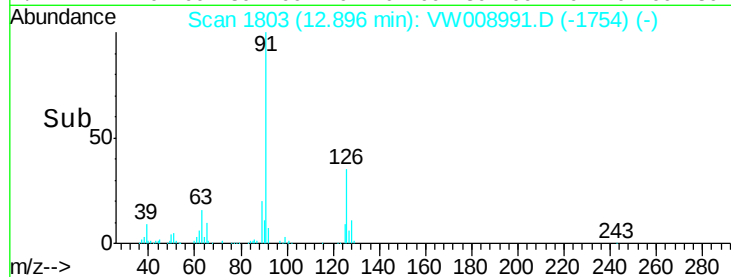
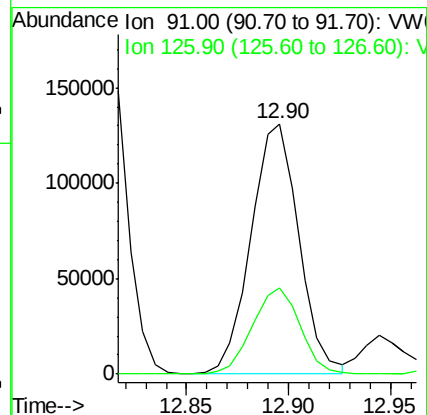
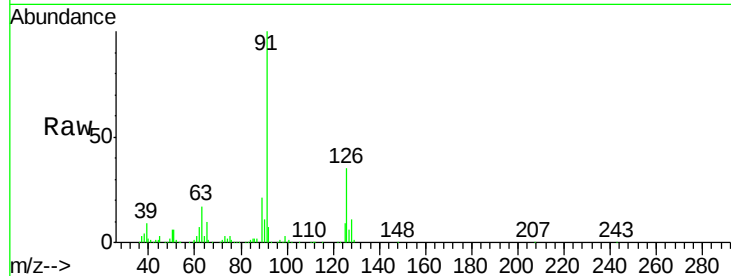
ClientSampleId :

Tot Ion: 91 Resp: 213624

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 21.072 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008991.D

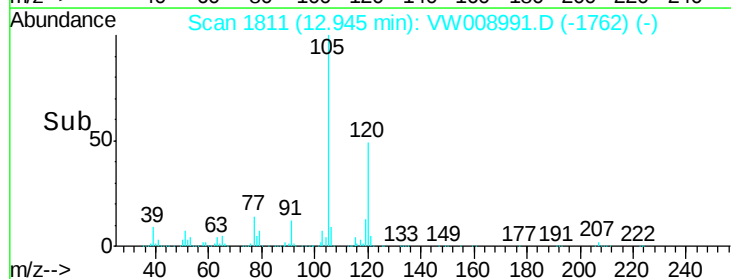
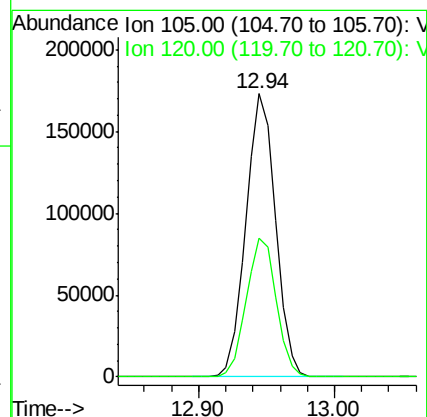
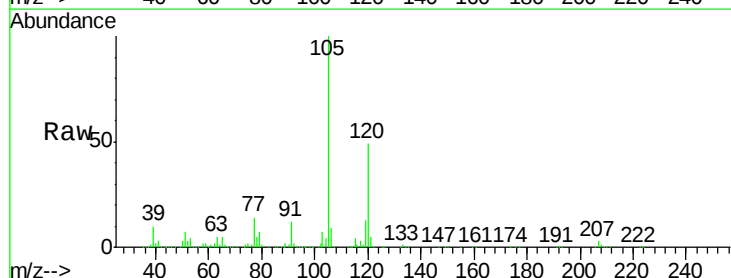
Acq: 05 Mar 2019 12:44

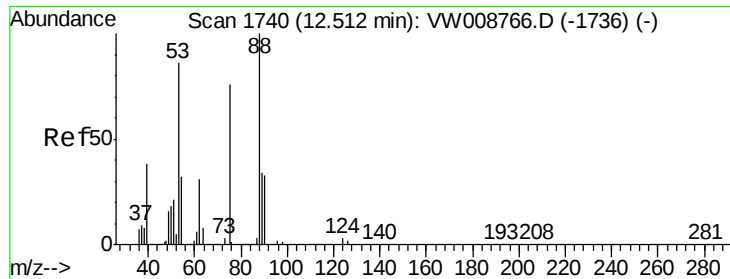
Tgt Ion: 105 Resp: 263432

Ion Ratio Lower Upper

105 100

120 49.8 24.8 74.4

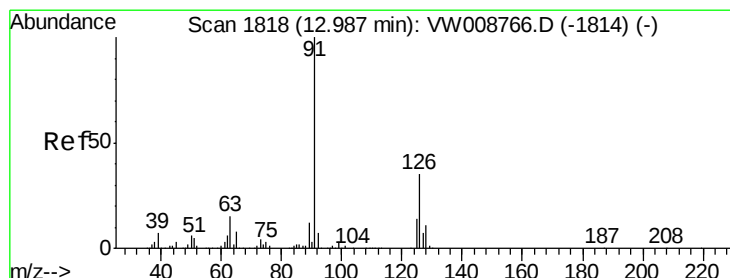
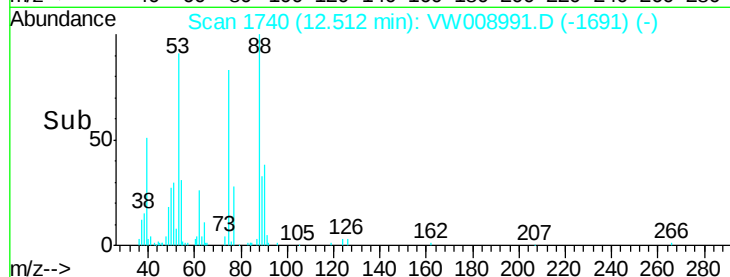
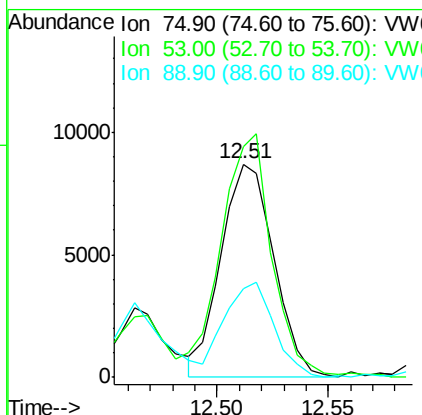
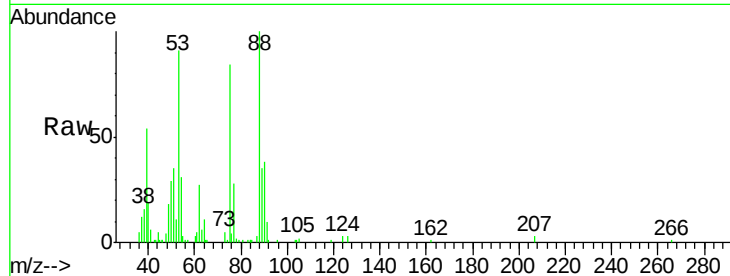




#81
trans-1,4-Dichloro-2-butene
Concen: 20.157 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

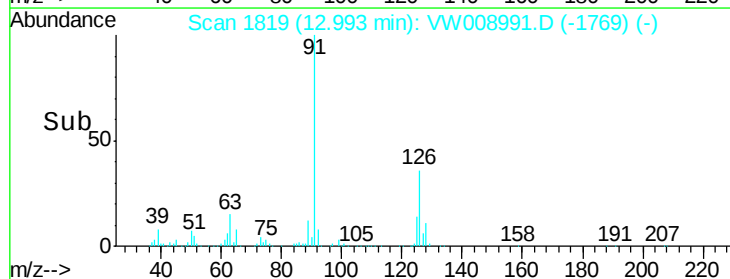
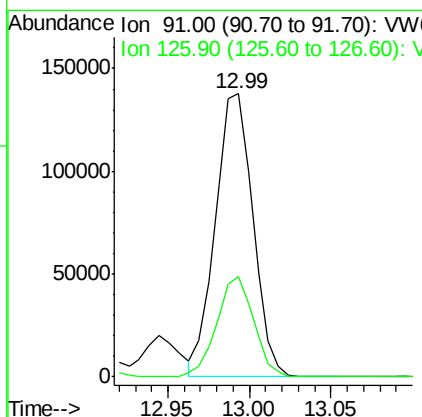
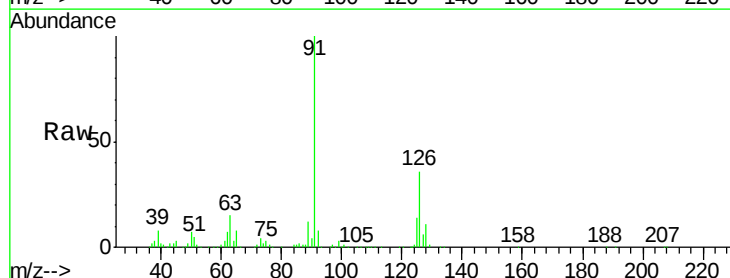
Instrument :
MSVOA_W
ClientSampleId :

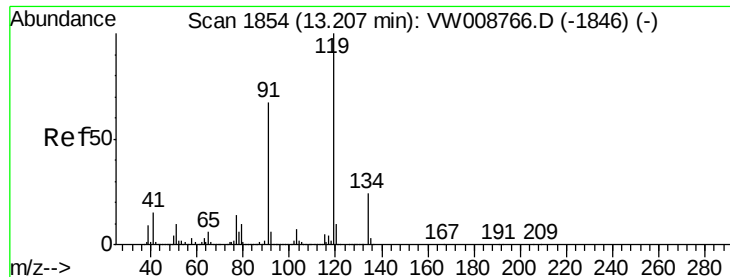
Tot Ion: 75 Resp: 14365
Ion Ratio Lower Upper
75 100
53 111.5 88.2 132.2
89 41.5 39.5 59.3



#82
4-Chlorotoluene
Concen: 20.955 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 91 Resp: 220625
Ion Ratio Lower Upper
91 100
126 34.8 17.2 51.6





#83

tert-Butylbenzene

Concen: 21.587 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

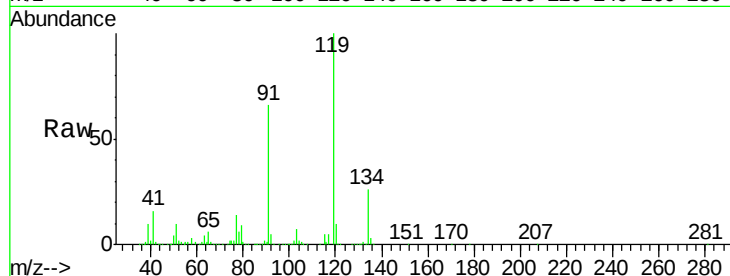
Tot Ion:119 Resp: 233341

Ion Ratio Lower Upper

119 100

91 65.0 33.6 100.8

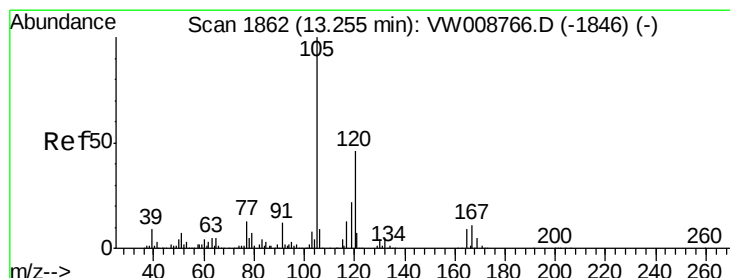
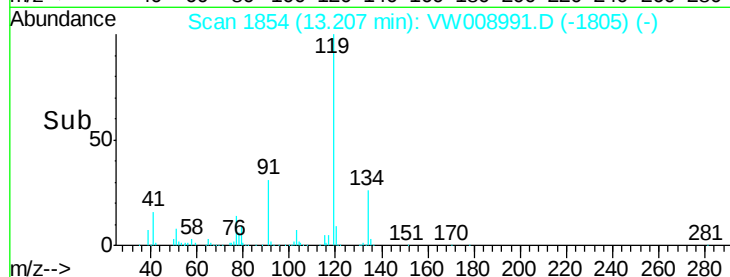
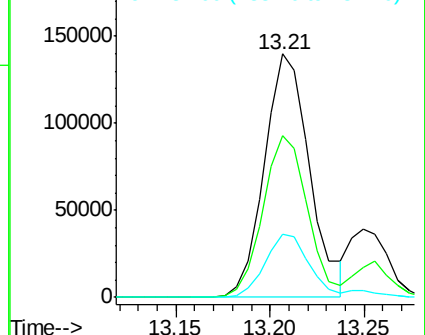
134 27.1 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.588 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008991.D

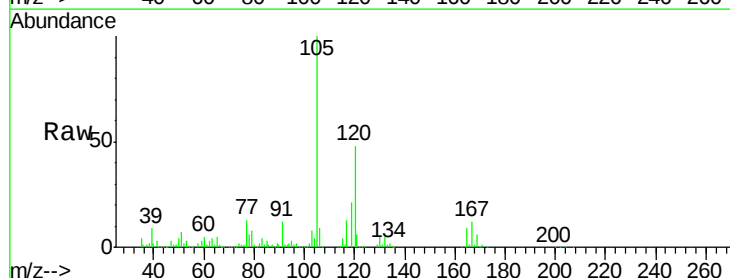
Acq: 05 Mar 2019 12:44

Tgt Ion:105 Resp: 266436

Ion Ratio Lower Upper

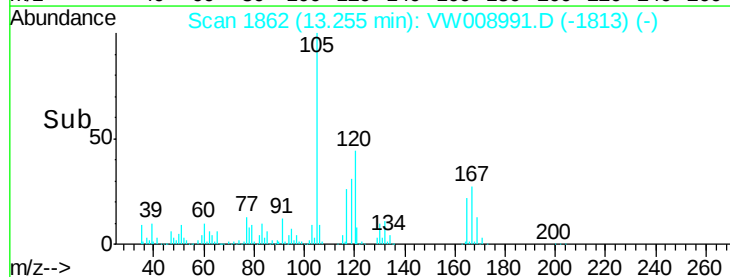
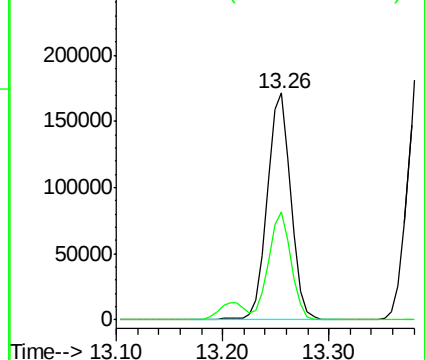
105 100

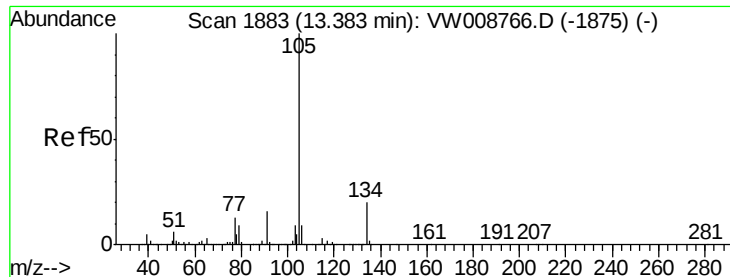
120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

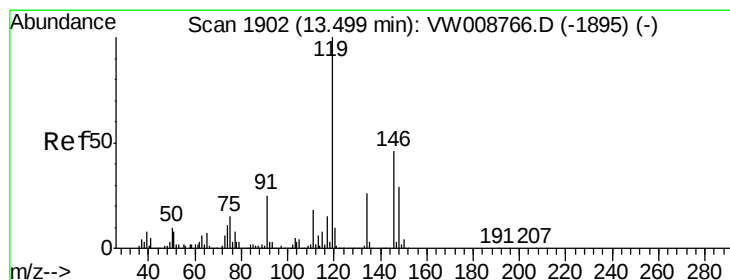
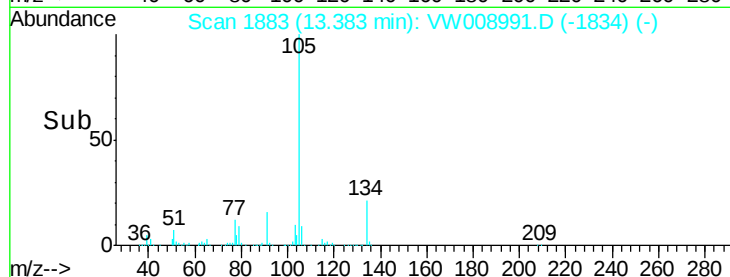
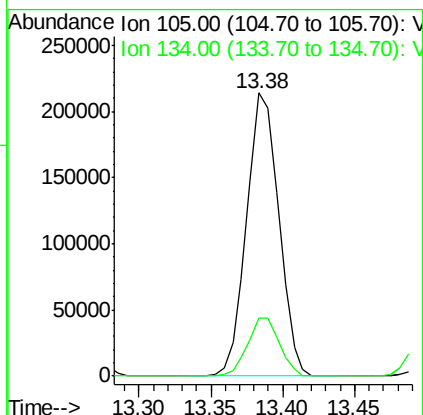
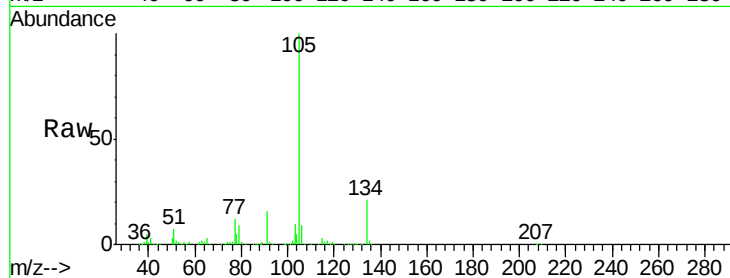




#85
 sec-Butylbenzene
 Concen: 21.296 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

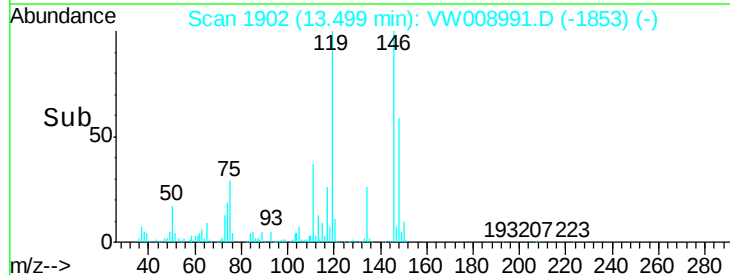
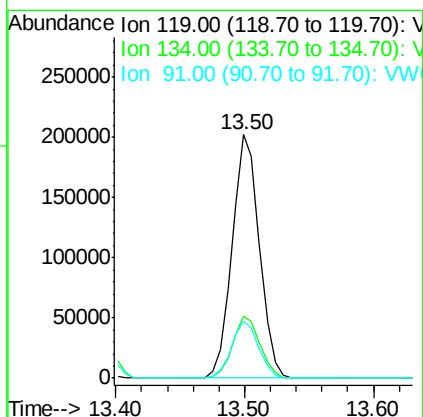
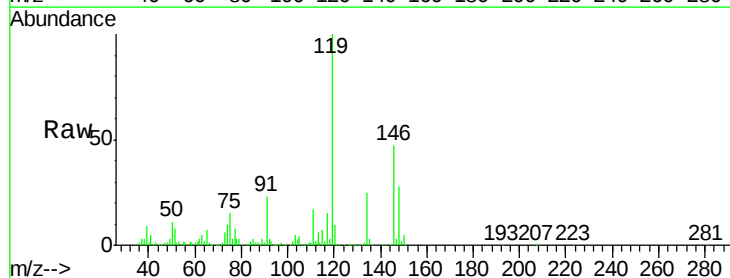
Instrument :
 MSVOA_W
 ClientSampleId :

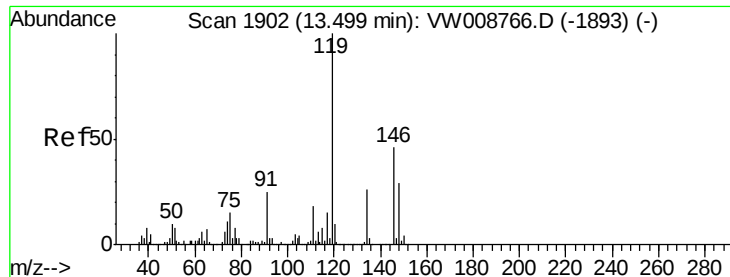
Tot Ion:105 Resp: 331011
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 20.784 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion:119 Resp: 296156
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.3
 91 23.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

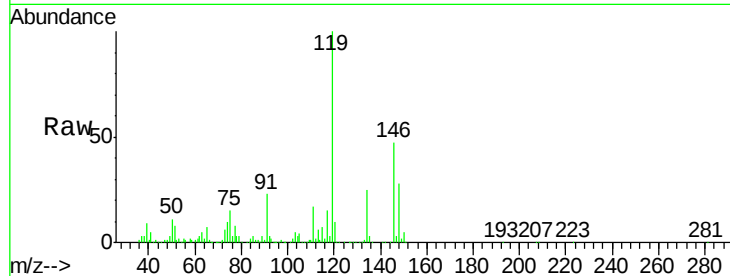
Tot Ion:146 Resp: 149305

Ion Ratio Lower Upper

146 100

111 38.1 19.9 59.7

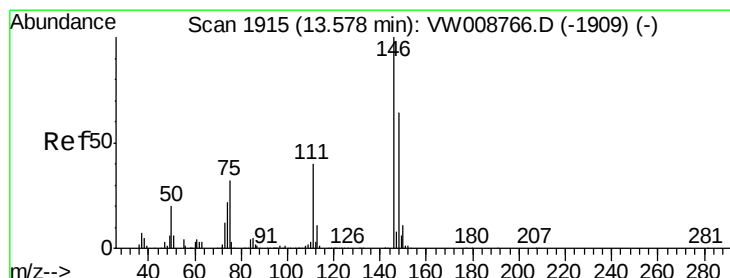
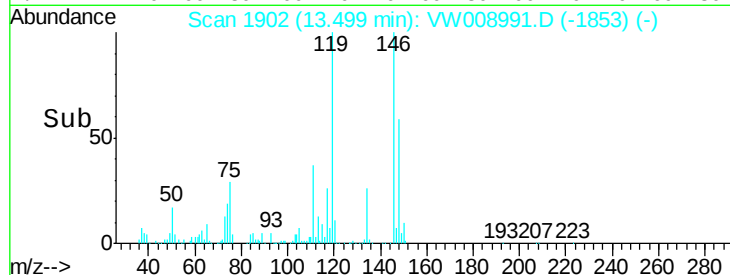
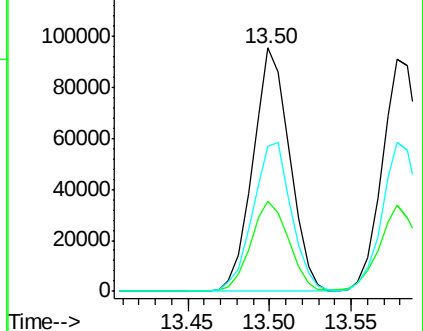
148 63.7 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.457 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

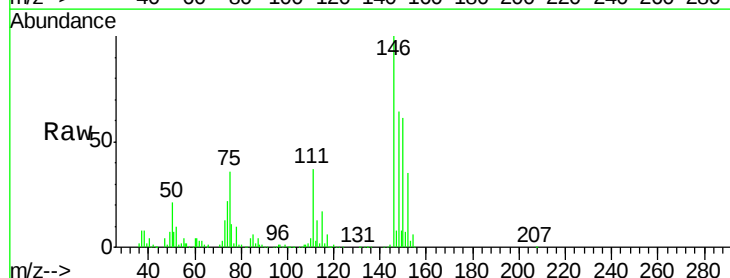
Tgt Ion:146 Resp: 149155

Ion Ratio Lower Upper

146 100

111 37.8 19.3 57.9

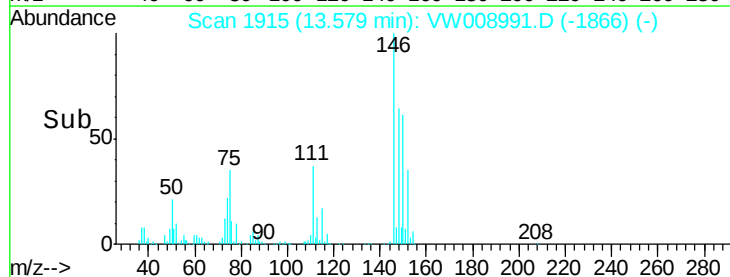
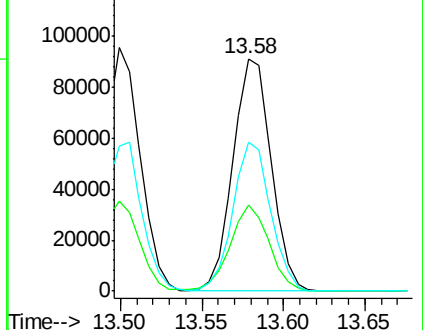
148 63.4 31.9 95.9

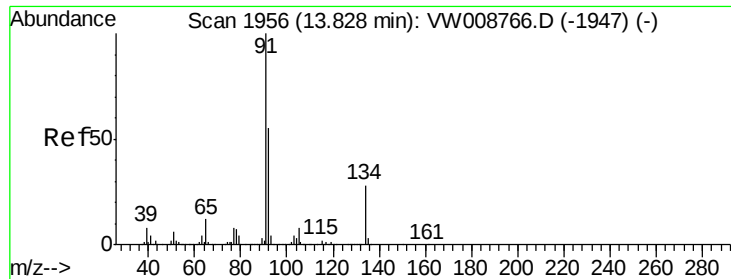


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

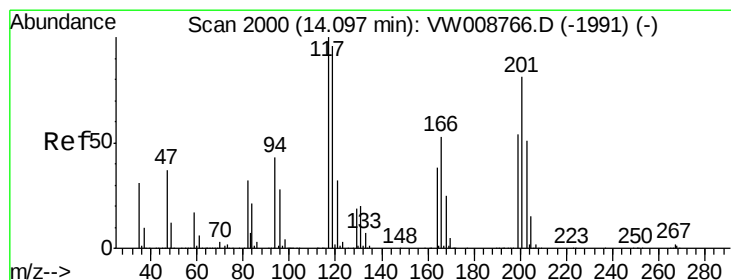
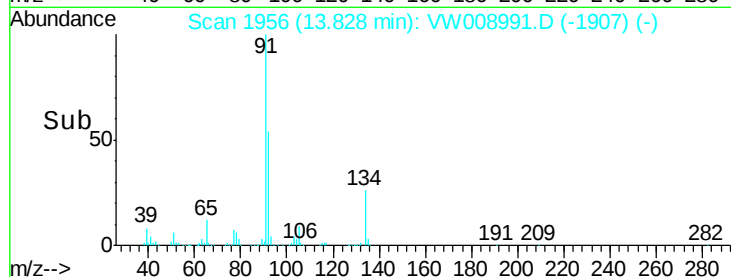
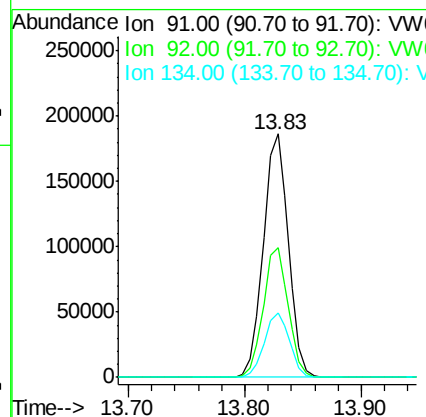
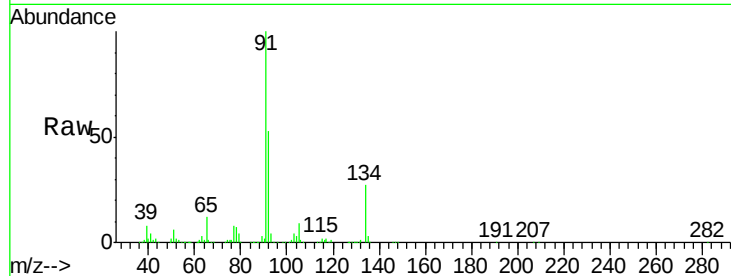




#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

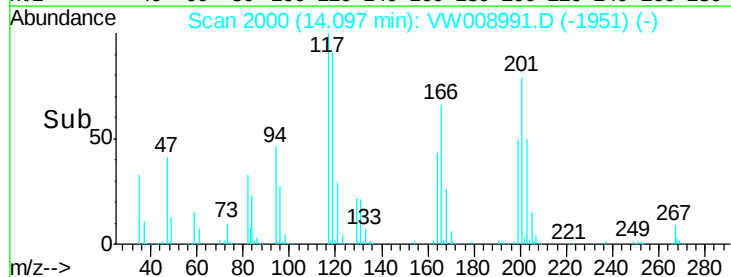
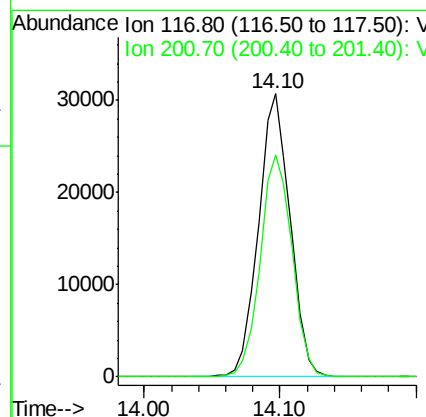
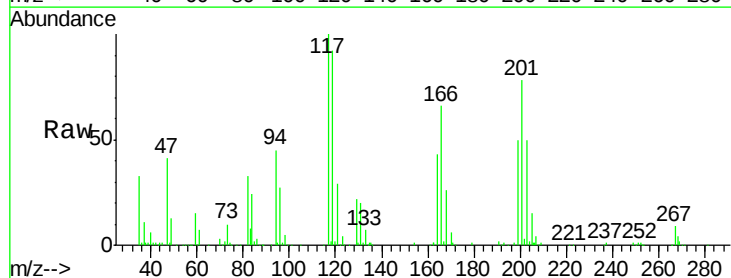
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 279495
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 26.6 13.5 40.4



#90
Hexachloroethane
Concen: 21.506 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 117 Resp: 50165
Ion Ratio Lower Upper
117 100
201 78.8 40.3 120.8

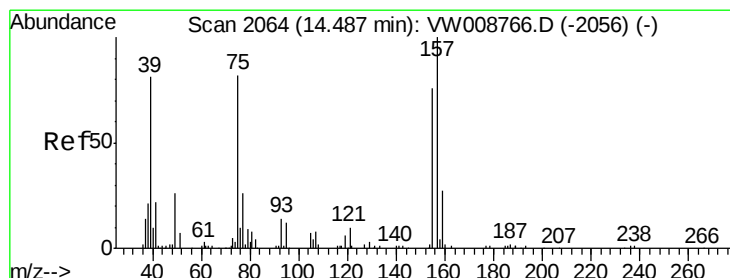
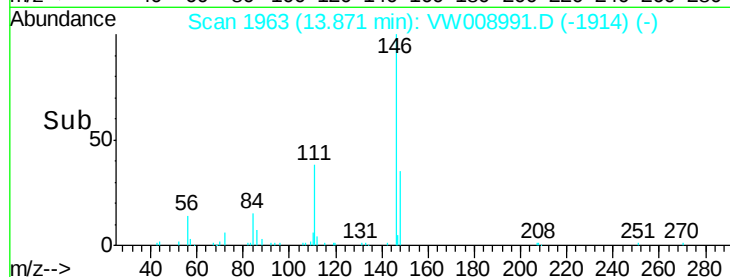
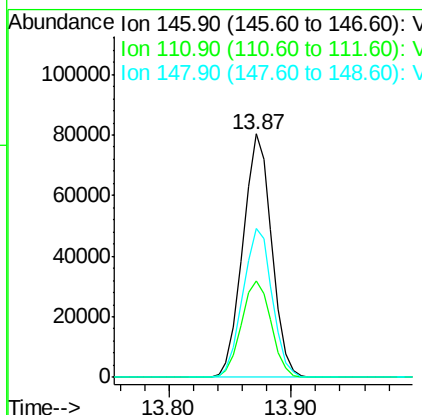
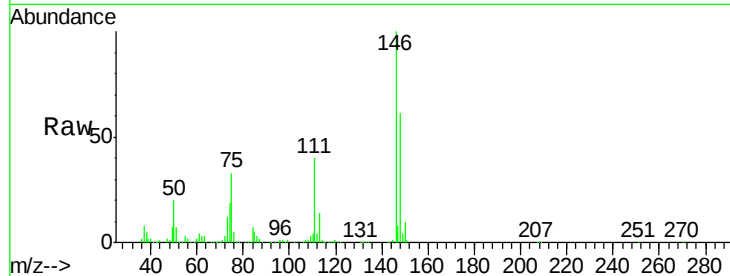




#91
 1,2-Dichlorobenzene
 Concen: 20.853 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

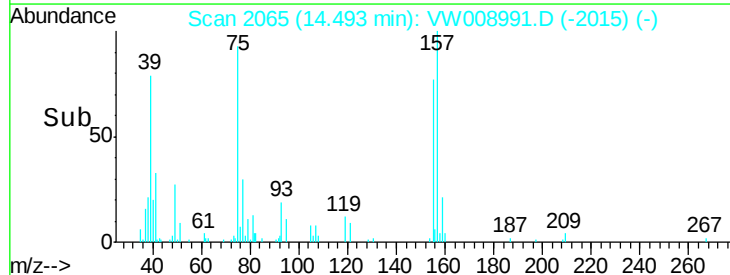
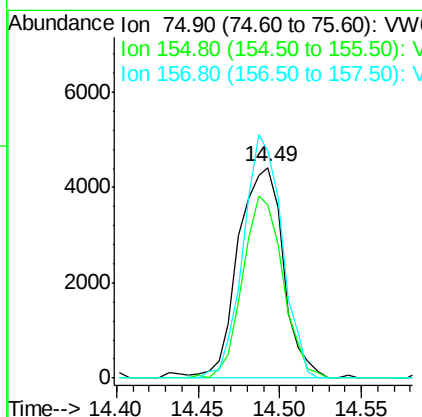
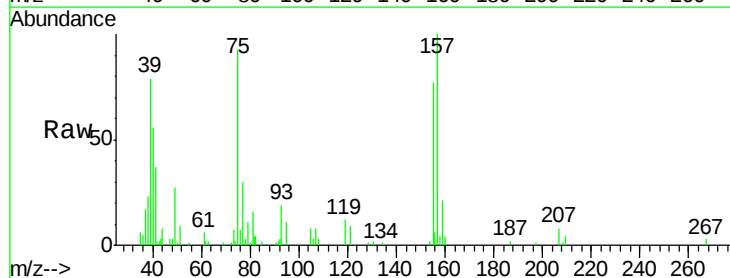
Instrument :
 MSVOA_W
 ClientSampleId :

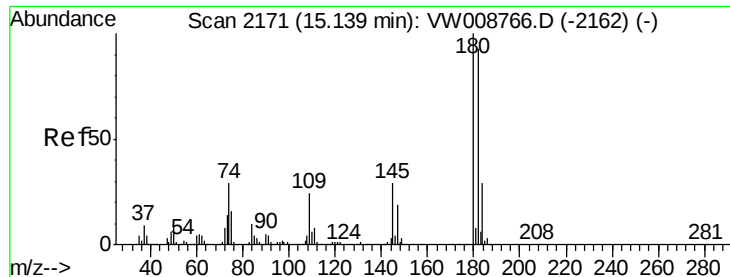
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	62.2	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.950 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	41.8	125.4
157	99.9	56.6	169.9

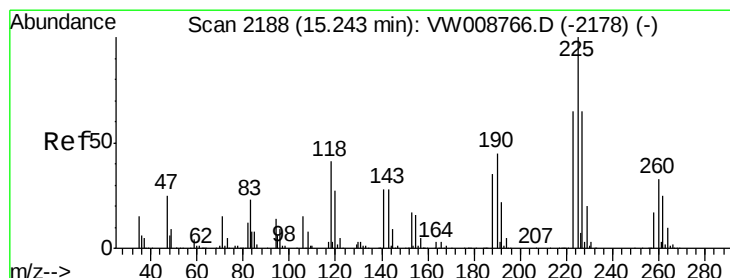
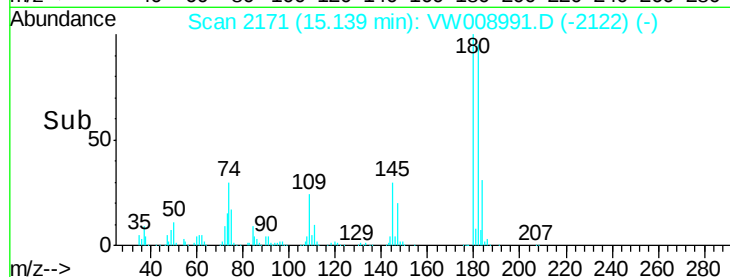
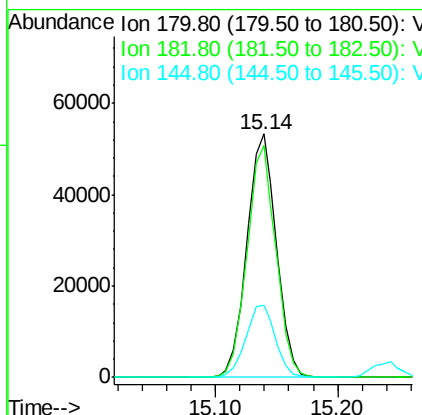
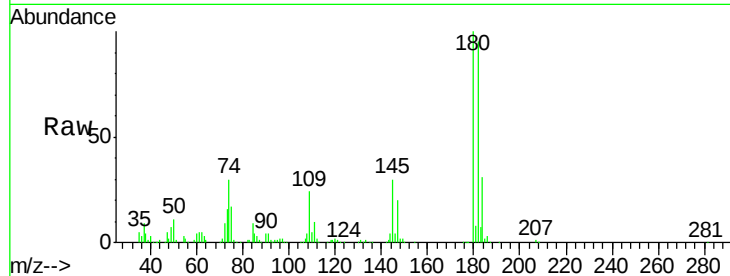




#93
 1,2,4-Trichlorobenzene
 Concen: 19.718 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

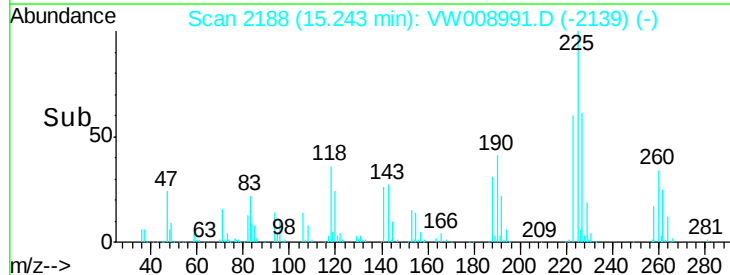
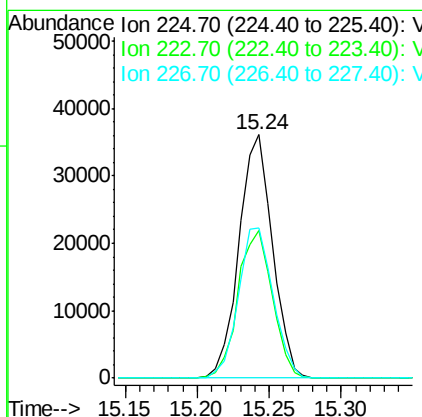
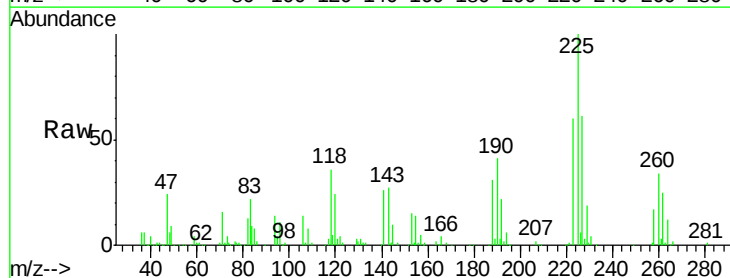
Instrument :
 MSVOA_W
 ClientSampleId :

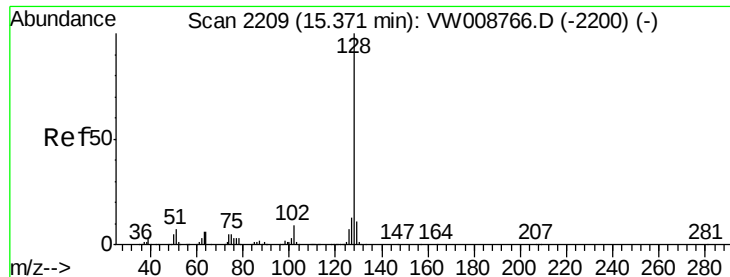
Tot Ion:180 Resp: 89287
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.2 141.6
 145 29.9 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.863 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion:225 Resp: 58314
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.5 94.5
 227 64.1 31.6 94.8

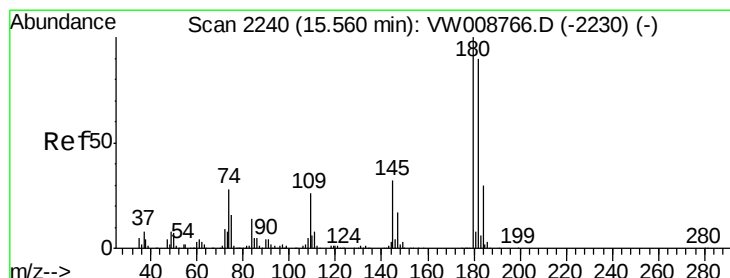
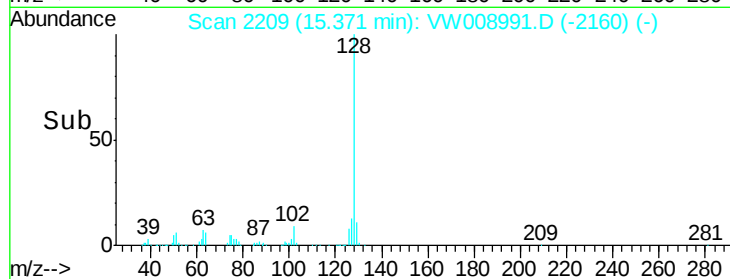
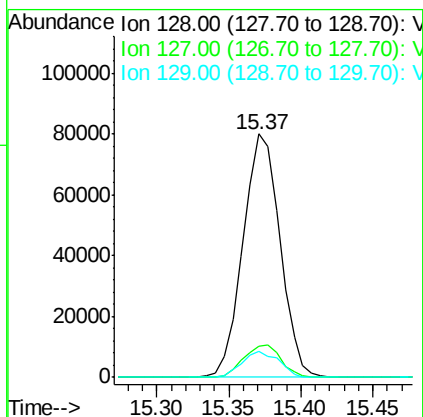
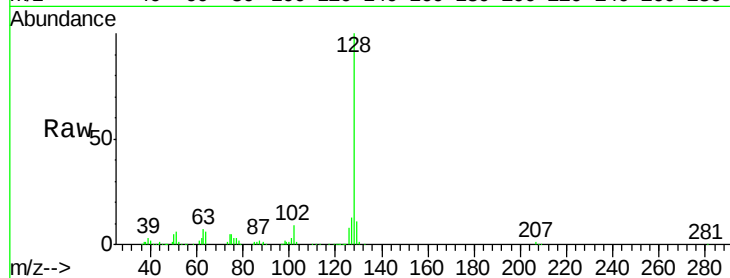




#95
Naphthalene
Concen: 18.449 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 142233
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.688 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion:180 Resp: 77082
Ion Ratio Lower Upper
180 100
182 96.8 46.9 140.8
145 33.0 15.9 47.6

