

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008997.D
 Acq On : 05 Mar 2019 15:28
 Operator : SY/VA
 Sample : K1655-11MS
 Misc : 6.40G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:49:59 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	230287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137004	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	121164	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
35) Dibromofluoromethane	7.88	113	104528	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
50) Toluene-d8	10.32	98	402858	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	133854	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	121778	52.798	ug/l	100
3) Chloromethane	2.21	50	149882	53.384	ug/l	97
4) Vinyl Chloride	2.35	62	153685	51.699	ug/l	100
5) Bromomethane	2.76	94	123306	55.846	ug/l	96
6) Chloroethane	2.91	64	108975	51.625	ug/l	99
7) Trichlorofluoromethane	3.25	101	206988	55.055	ug/l	93
8) Diethyl Ether	3.68	74	67622	56.812	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124210	54.404	ug/l	99
10) Methyl Iodide	4.27	142	109451	38.337	ug/l	98
11) Tert butyl alcohol	5.18	59	64187	333.808	ug/l	96
12) 1,1-Dichloroethene	4.03	96	110223	54.666	ug/l	96
13) Acrolein	3.90	56	38427	194.252	ug/l	100
14) Allyl chloride	4.67	41	182664	52.490	ug/l	99
15) Acrylonitrile	5.37	53	174867	342.321	ug/l	99
16) Acetone	4.13	43	212500	424.454	ug/l	97
17) Carbon Disulfide	4.38	76	343624	51.365	ug/l	99
18) Methyl Acetate	4.67	43	131595	110.819	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	333209	61.055	ug/l	100
20) Methylene Chloride	4.92	84	155154	64.381	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	124465	53.365	ug/l	94
22) Diisopropyl ether	6.31	45	407370	58.682	ug/l	99
23) Vinyl Acetate	6.26	43	663725	154.746	ug/l	98
24) 1,1-Dichloroethane	6.21	63	227127	56.461	ug/l	99
25) 2-Butanone	7.17	43	257692	368.167	ug/l	100
26) 2,2-Dichloropropane	7.17	77	203393	55.692	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138828	55.645	ug/l	98
28) Bromochloromethane	7.51	49	82559	49.044	ug/l	99
29) Tetrahydrofuran	7.52	42	157753	353.669	ug/l	99
30) Chloroform	7.68	83	238130	57.703	ug/l	99
31) Cyclohexane	7.95	56	196015	48.138	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	213665	56.933	ug/l	99
36) 1,1-Dichloropropene	8.08	75	177357	54.162	ug/l	99
37) Ethyl Acetate	7.25	43	99461	65.316	ug/l	96
38) Carbon Tetrachloride	8.07	117	189756	54.948	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	181400	44.412	ug/l	99
40) Benzene	8.32	78	503256	56.288	ug/l	96
41) Methacrylonitrile	7.48	41	51370	57.391	ug/l	90
42) 1,2-Dichloroethane	8.40	62	170783	60.300	ug/l	98
43) Isopropyl Acetate	8.43	43	187980	61.853	ug/l	98
44) Trichloroethene	9.09	130	130835	51.946	ug/l	95
45) 1,2-Dichloropropane	9.37	63	124956	56.557	ug/l	97
46) Dibromomethane	9.46	93	73706	59.976	ug/l	96
47) Bromodichloromethane	9.65	83	172682	57.753	ug/l	98
48) Methyl methacrylate	9.43	41	90987	62.510	ug/l	94
49) 1,4-Dioxane	9.45	88	26112	1326.815	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	534422	346.361	ug/l	99
52) Toluene	10.39	92	333275	54.925	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	172099	56.470	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	196277	56.469	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	101799	61.081	ug/l	99
56) Ethyl methacrylate	10.65	69	134222	61.988	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172553	58.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	302648	277.907	ug/l	98
59) 2-Hexanone	10.97	43	374327	340.809	ug/l	100
60) Dibromochloromethane	11.13	129	120448	59.251	ug/l	97
61) 1,2-Dibromoethane	11.24	107	94327	57.178	ug/l	99
64) Tetrachloroethene	10.86	164	112088	51.561	ug/l	98
65) Chlorobenzene	11.66	112	342950	53.705	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	123820	57.345	ug/l	98
67) Ethyl Benzene	11.73	91	637899	55.879	ug/l	99
68) m/p-Xylenes	11.84	106	473050	103.713	ug/l	99
69) o-Xylene	12.16	106	232806	54.379	ug/l	98
70) Styrene	12.18	104	353538	51.329	ug/l	97
71) Bromoform	12.35	173	71892	61.942	ug/l #	99
73) Isopropylbenzene	12.46	105	613795	65.352	ug/l	99
74) N-amyl acetate	12.27	43	143475	60.645	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	118286	77.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	158943	140.514	ug/l #	100
77) Bromobenzene	12.75	156	138945	62.603	ug/l	95
78) n-propylbenzene	12.80	91	707012	61.539	ug/l	99
79) 2-Chlorotoluene	12.90	91	397376	60.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	499584	61.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36288	77.990	ug/l	97
82) 4-Chlorotoluene	12.99	91	403400	58.687	ug/l	99
83) tert-Butylbenzene	13.21	119	420778	59.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	457376	54.134	ug/l	99
85) sec-Butylbenzene	13.38	105	562023	55.384	ug/l	99
86) p-Isopropyltoluene	13.50	119	502543	54.020	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	243793	52.942	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242928	53.526	ug/l	99
89) n-Butylbenzene	13.83	91	418177	47.982	ug/l	99
90) Hexachloroethane	14.10	117	85007	55.818	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	222842	54.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22534	81.172	ug/l	94

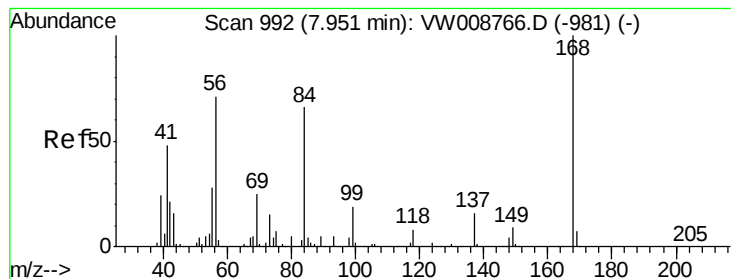
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	102279	34.597	ug/l	99
94) Hexachlorobutadiene	15.24	225	53735	30.858	ug/l	97
95) Naphthalene	15.37	128	241252	47.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	89800	35.132	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

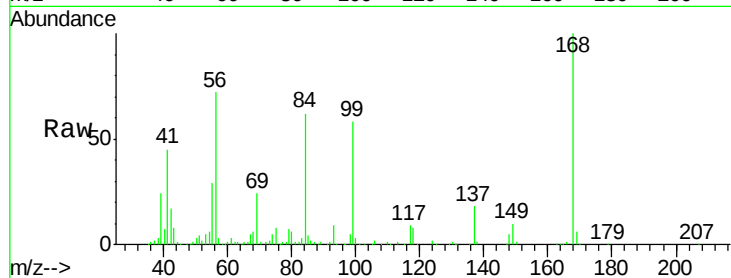
ClientSampleId :

Tot Ion:168 Resp: 230287

Ion Ratio Lower Upper

168 100

99 58.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

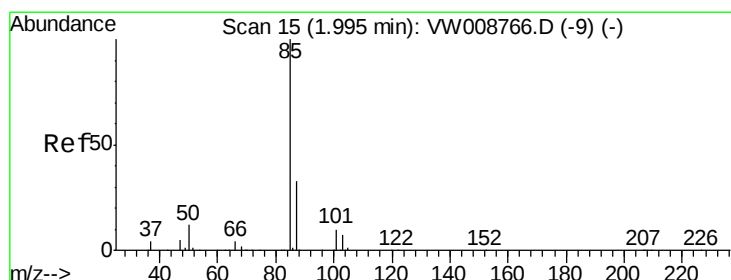
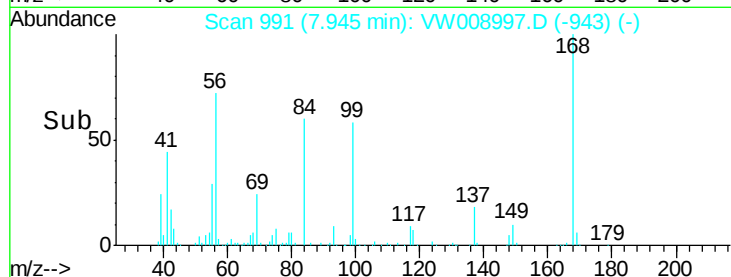
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.798 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008997.D

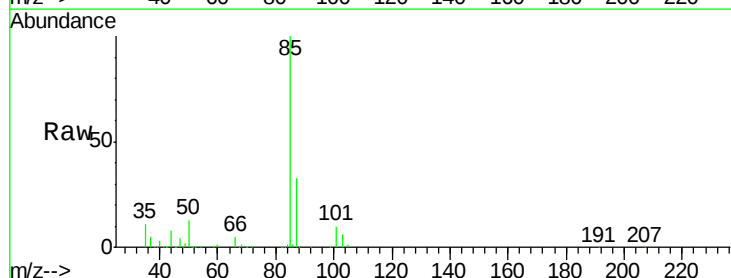
Acq: 05 Mar 2019 15:28

Tgt Ion: 85 Resp: 121778

Ion Ratio Lower Upper

85 100

87 32.5 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

80000

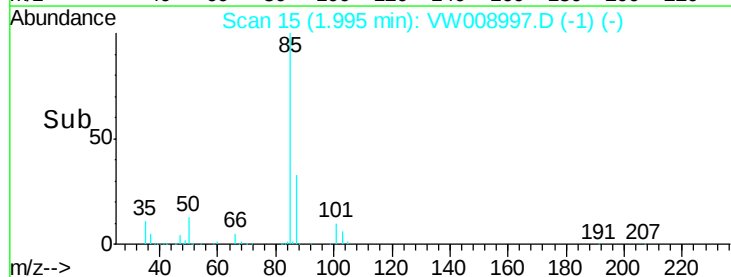
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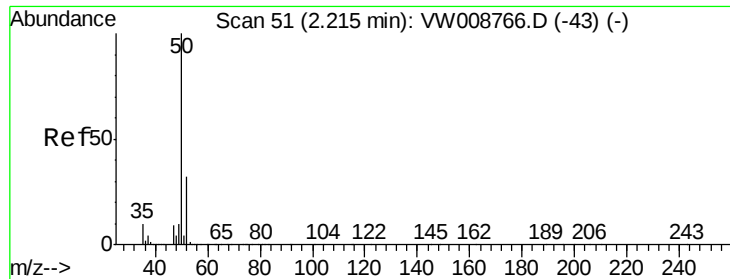
40000

20000

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Time-->





#3

Chloromethane

Concen: 53.384 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

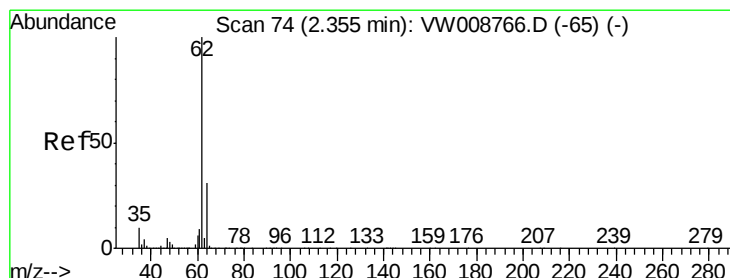
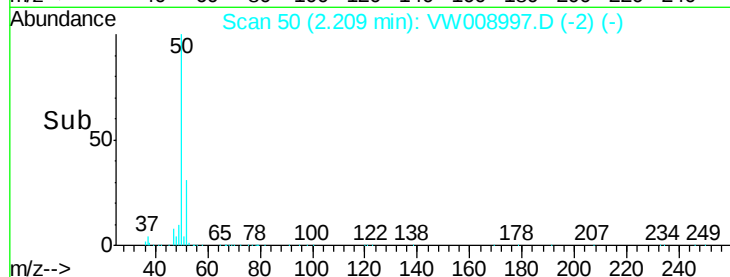
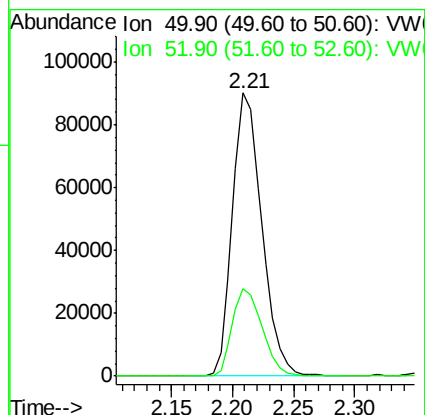
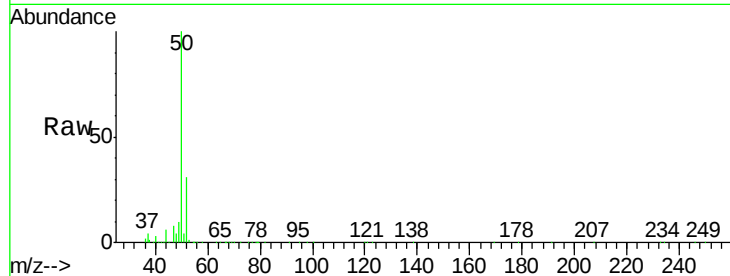
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 149882

Ion Ratio Lower Upper

50 100

52 30.9 25.9 38.9



#4

Vinyl Chloride

Concen: 51.699 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008997.D

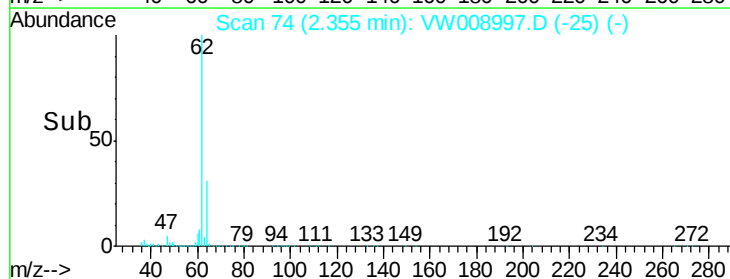
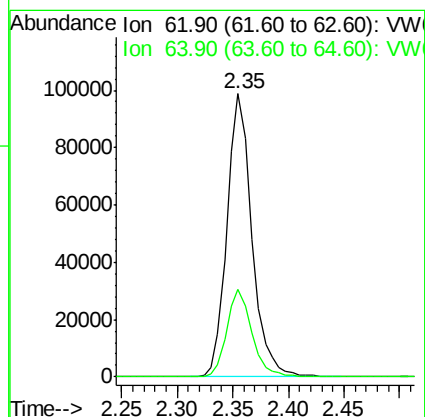
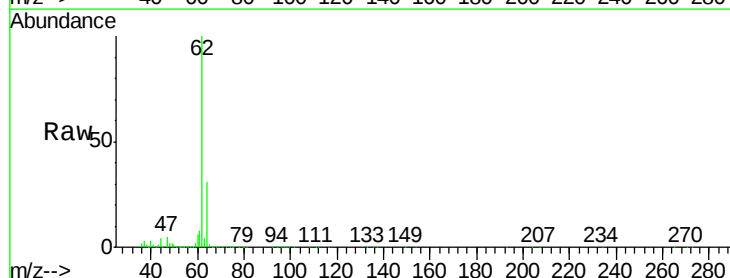
Acq: 05 Mar 2019 15:28

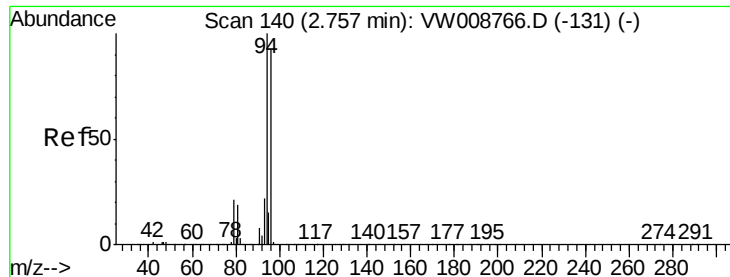
Tgt Ion: 62 Resp: 153685

Ion Ratio Lower Upper

62 100

64 30.9 24.9 37.3





#5

Bromomethane

Concen: 55.846 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

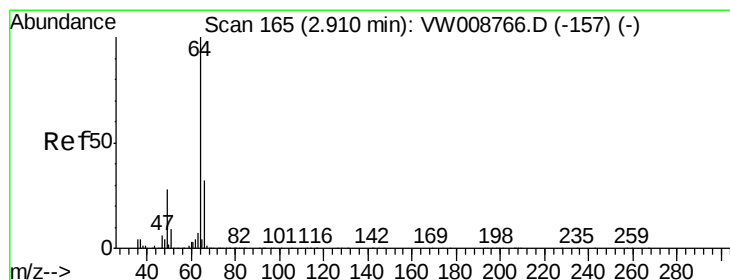
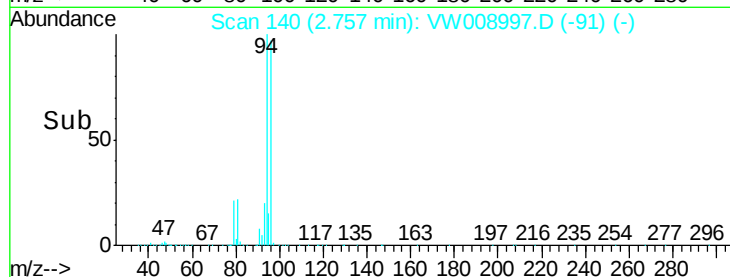
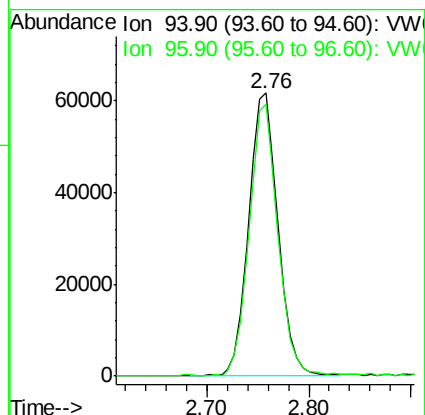
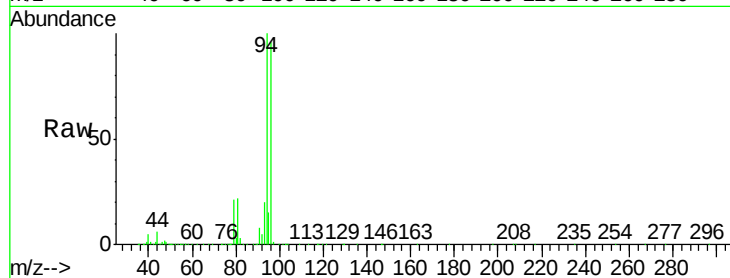
ClientSampleId :

Tot Ion: 94 Resp: 123306

Ion Ratio Lower Upper

94 100

96 95.9 73.4 110.2



#6

Chloroethane

Concen: 51.625 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008997.D

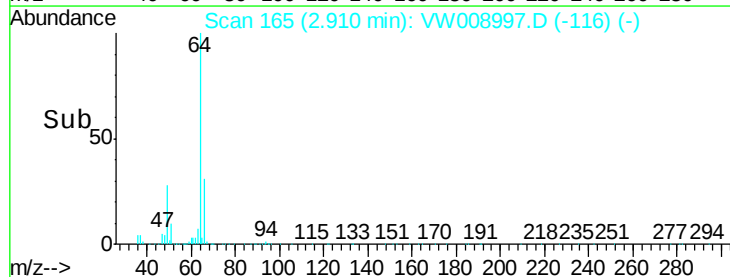
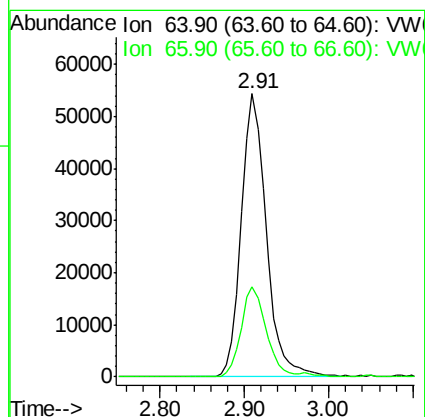
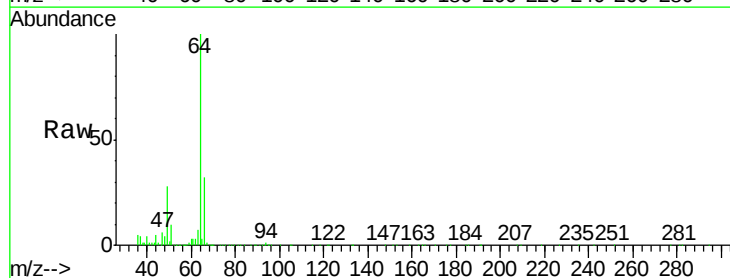
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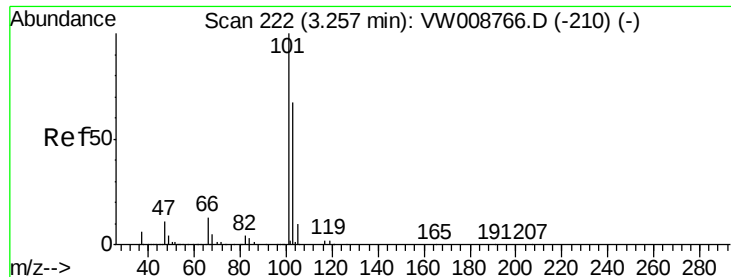
Tgt Ion: 64 Resp: 108975

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



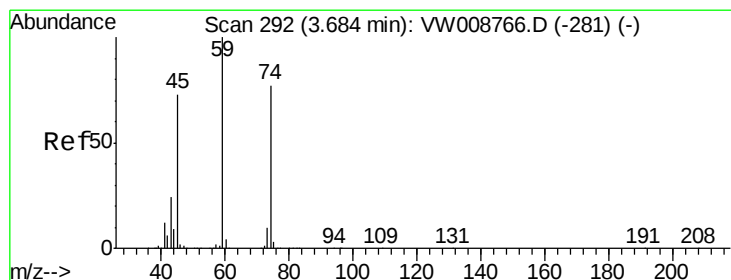
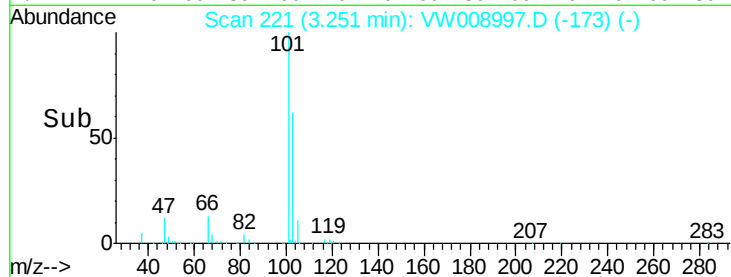
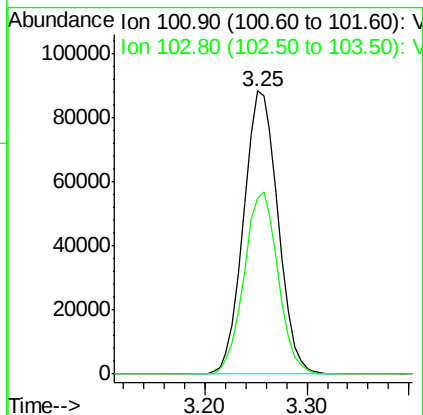
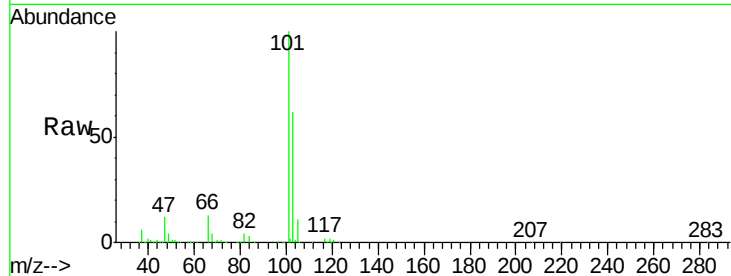


#7

Trichlorofluoromethane
 Concen: 55.055 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :

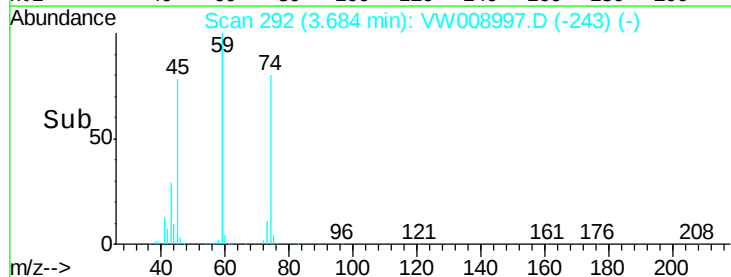
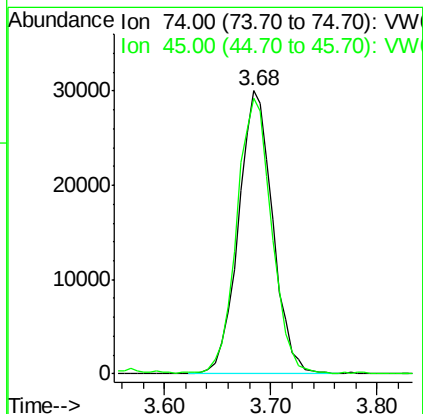
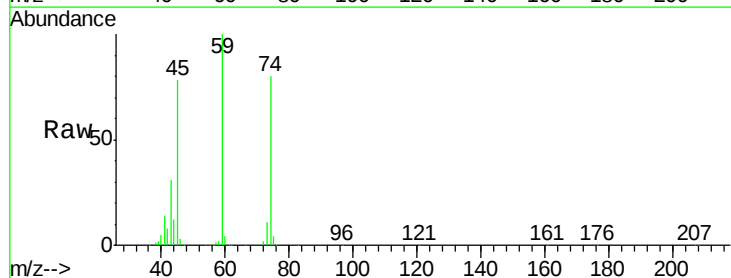
Tot Ion:101 Resp: 206988
 Ion Ratio Lower Upper
 101 100
 103 62.0 53.9 80.9

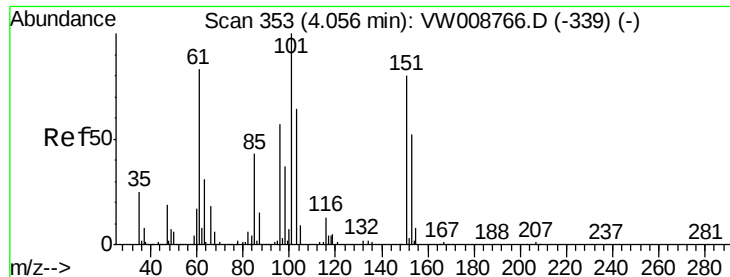


#8

Diethyl Ether
 Concen: 56.812 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion: 74 Resp: 67622
 Ion Ratio Lower Upper
 74 100
 45 99.5 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.404 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

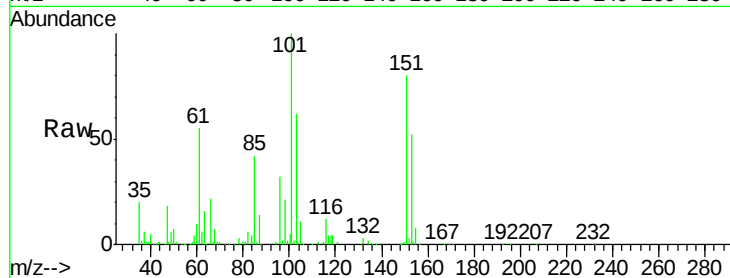
Tot Ion:101 Resp: 124210

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

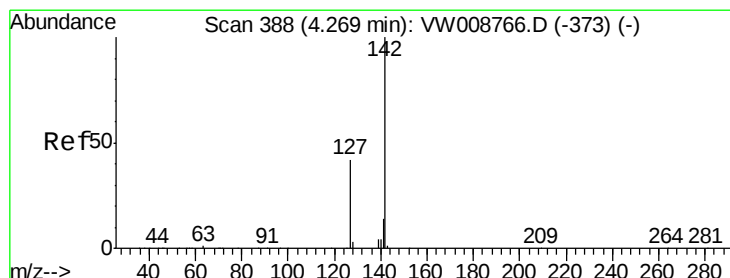
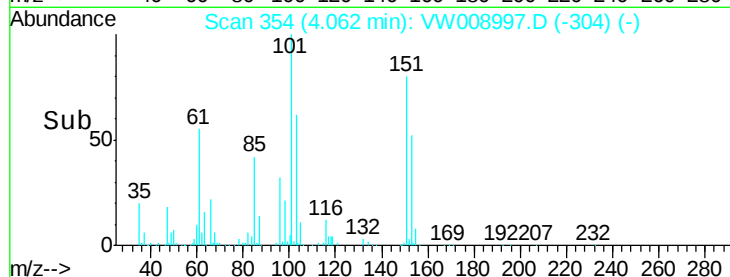
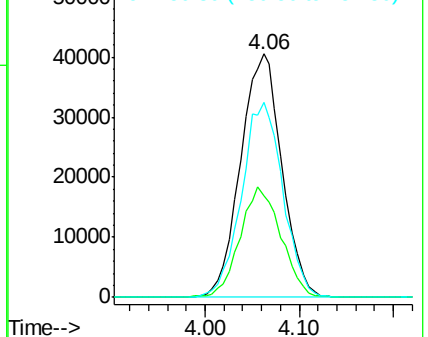
151 80.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.337 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008997.D

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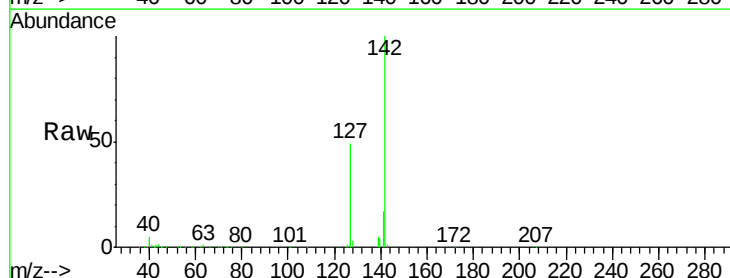
Tgt Ion:142 Resp: 109451

Ion Ratio Lower Upper

142 100

127 45.5 35.3 52.9

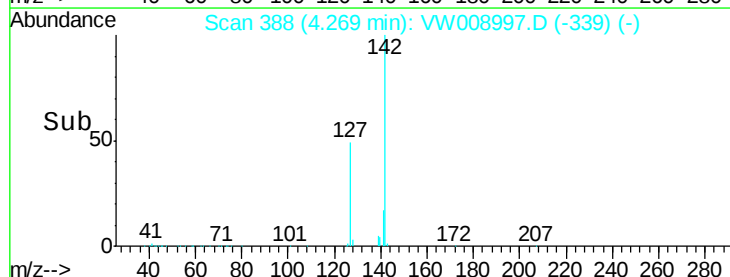
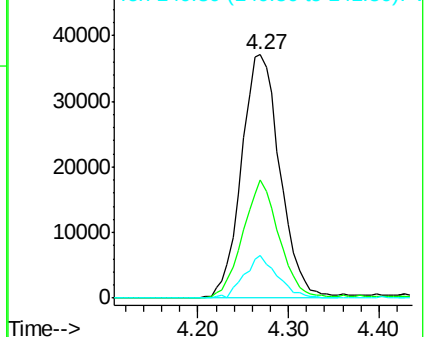
141 15.2 11.7 17.5

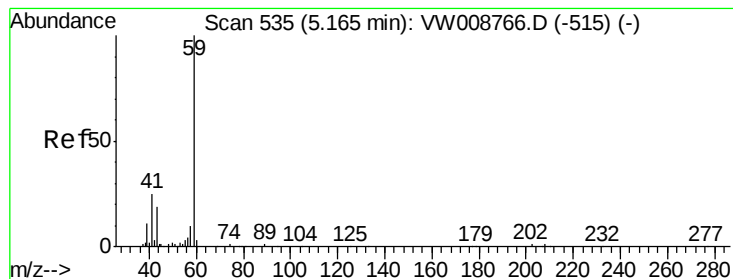


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



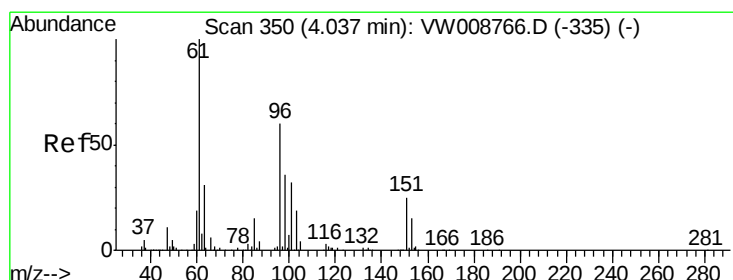
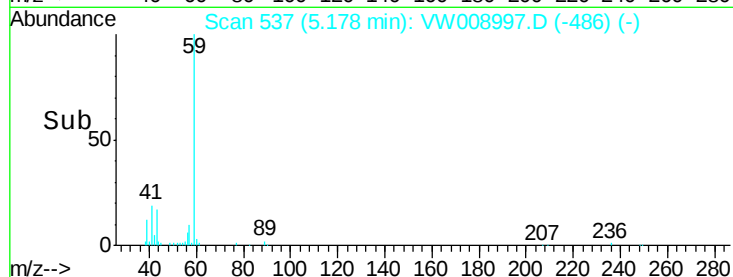
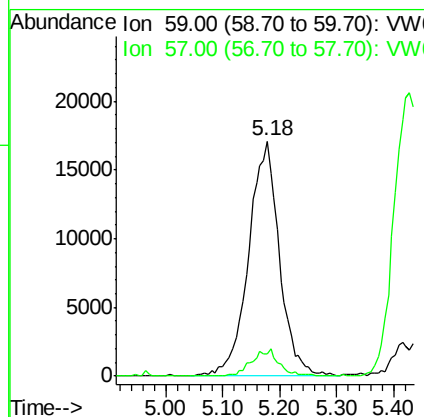
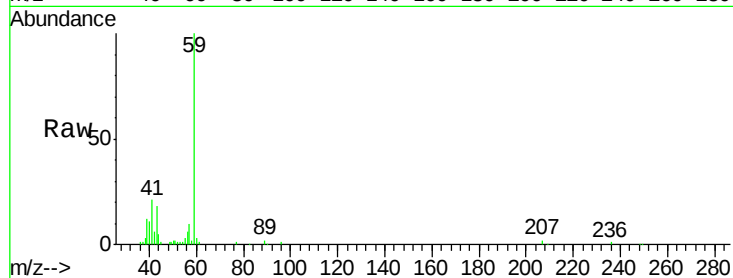


#11

Tert butyl alcohol
Concen: 333.808 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampled :

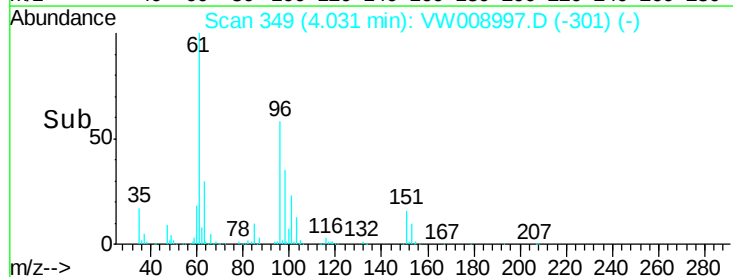
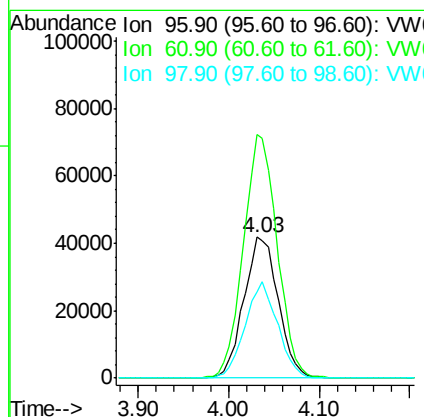
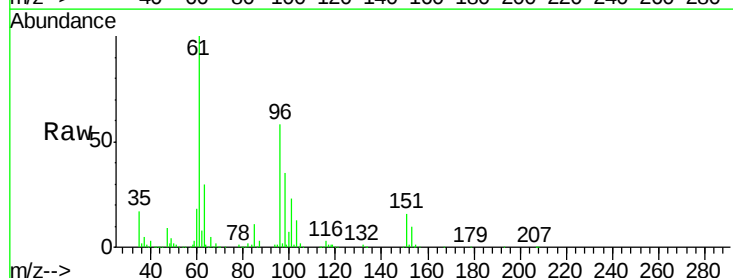
Tot Ion: 59 Resp: 64187
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9

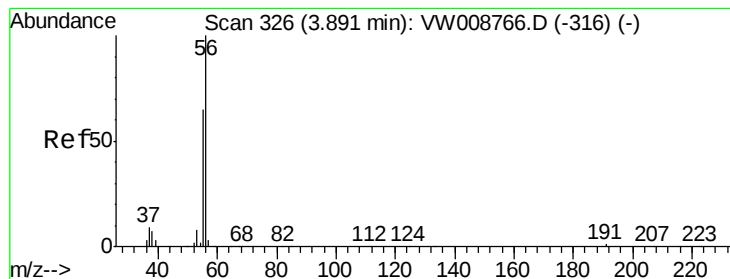


#12

1,1-Dichloroethene
Concen: 54.666 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 96 Resp: 110223
Ion Ratio Lower Upper
96 100
61 172.8 132.5 198.7
98 61.1 48.2 72.4





#13

Acrolein

Concen: 194.252 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

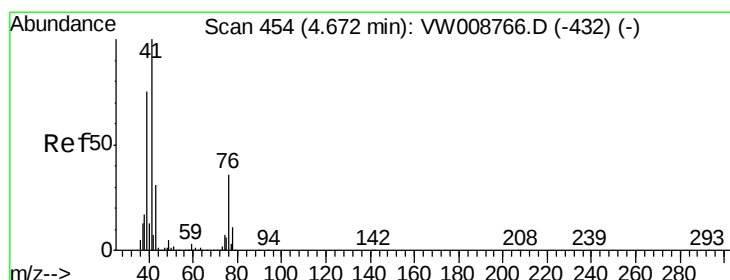
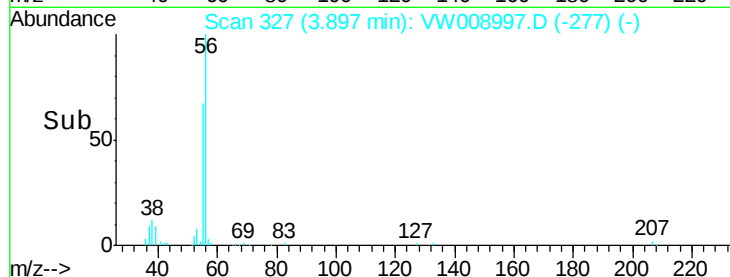
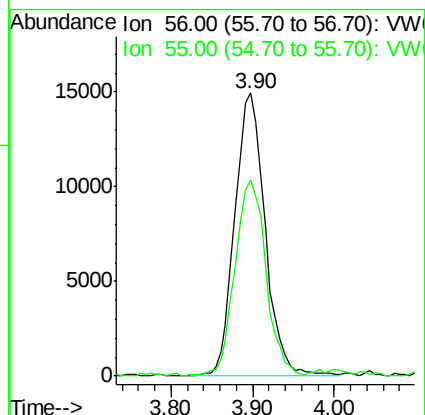
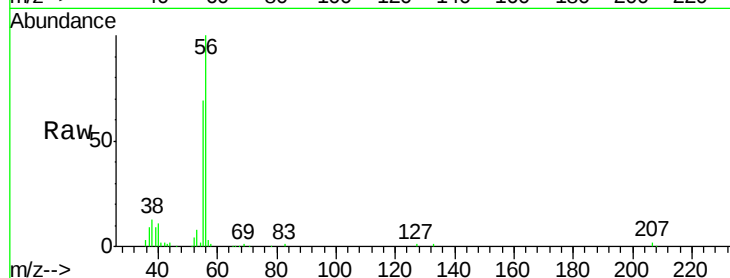
ClientSampleId :

Tot Ion: 56 Resp: 38427

Ion Ratio Lower Upper

56 100

55 70.8 56.9 85.3



#14

Allyl chloride

Concen: 52.490 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

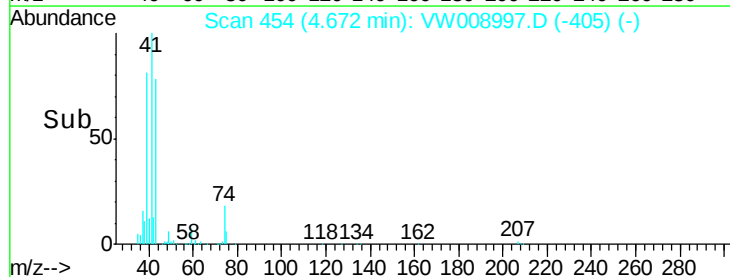
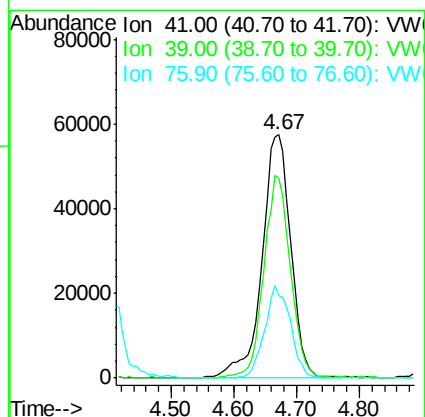
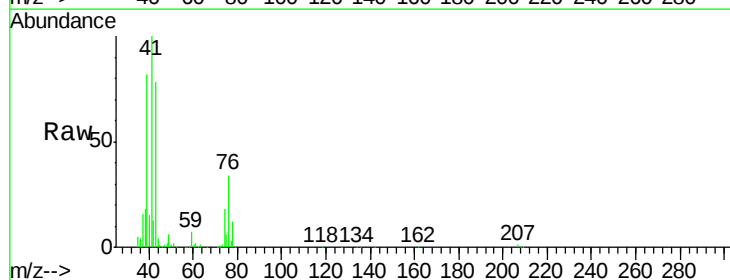
Tgt Ion: 41 Resp: 182664

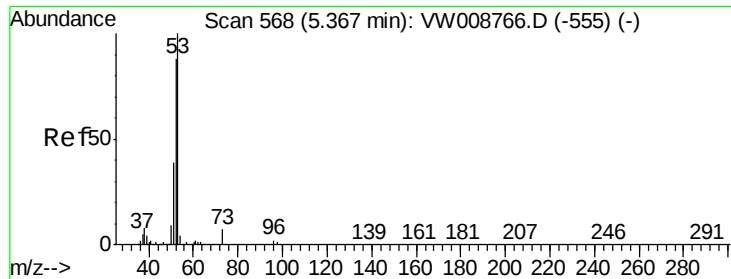
Ion Ratio Lower Upper

41 100

39 76.0 60.6 91.0

76 33.9 28.6 42.8





#15

Acrylonitrile

Concen: 342.321 ug/l

RT: 5.37 min Scan# 569

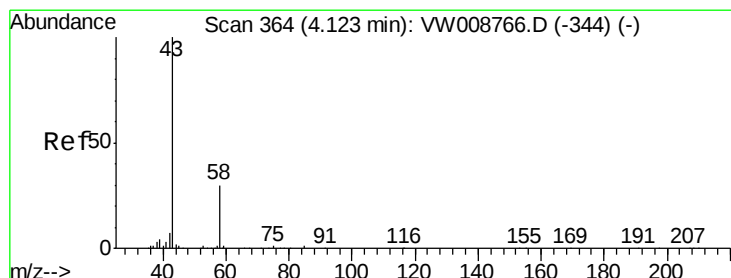
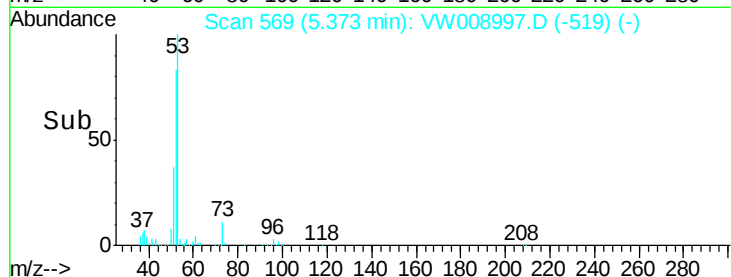
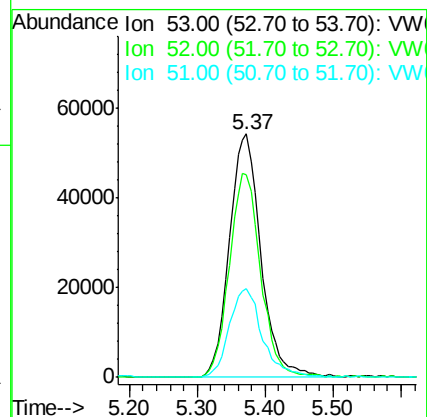
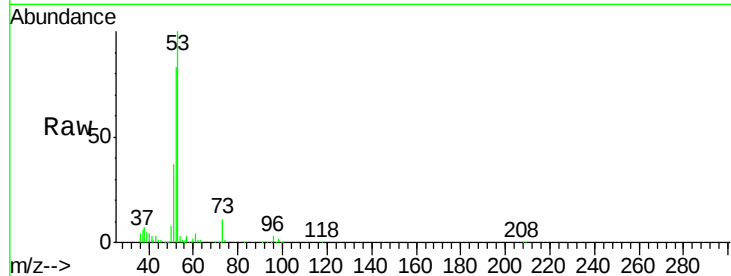
Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	174867
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.2	100.8
51	38.3	31.1	46.7



#16

Acetone

Concen: 424.454 ug/l

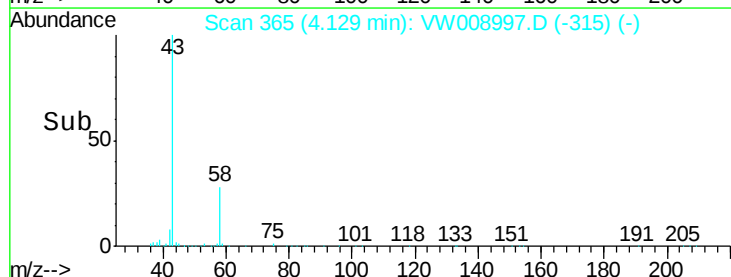
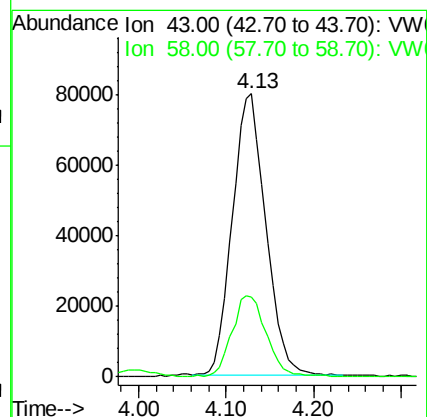
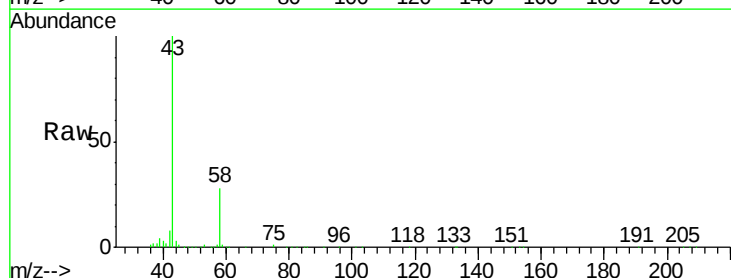
RT: 4.13 min Scan# 365

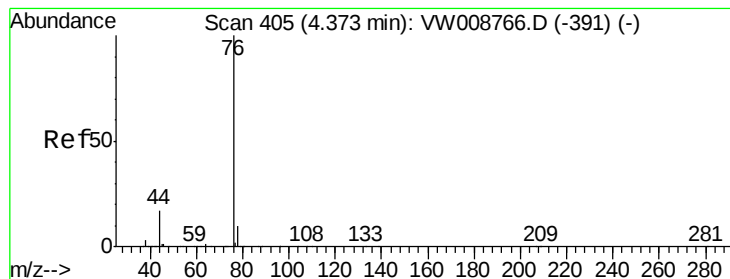
Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	43	Resp:	212500
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.8	35.6





#17

Carbon Disulfide

Concen: 51.365 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

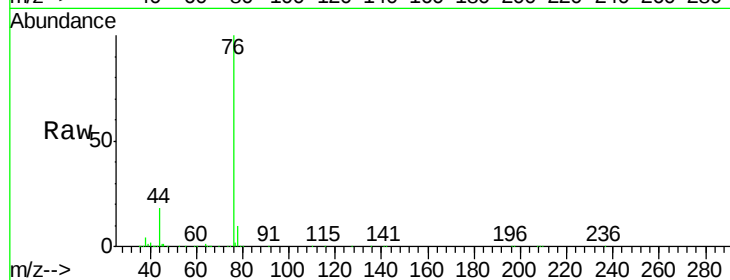
ClientSampled :

Tot Ion: 76 Resp: 343624

Ion Ratio Lower Upper

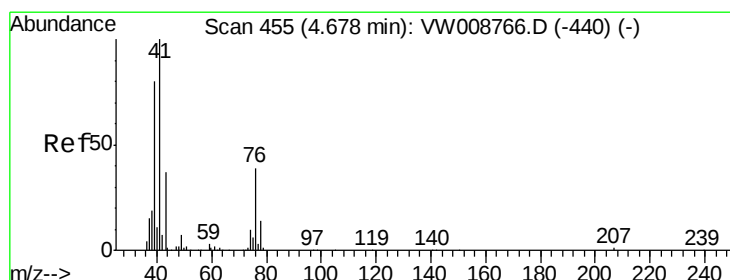
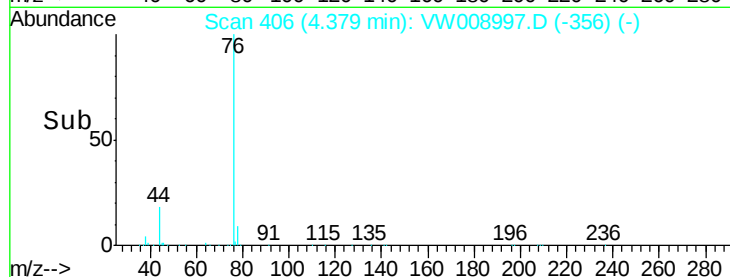
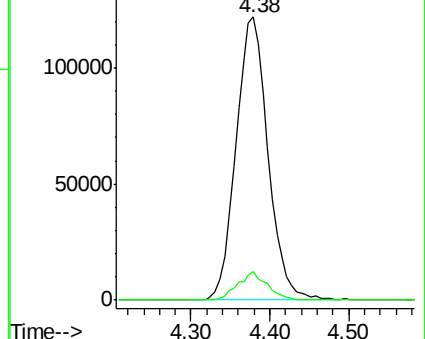
76 100

78 10.1 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 110.819 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008997.D

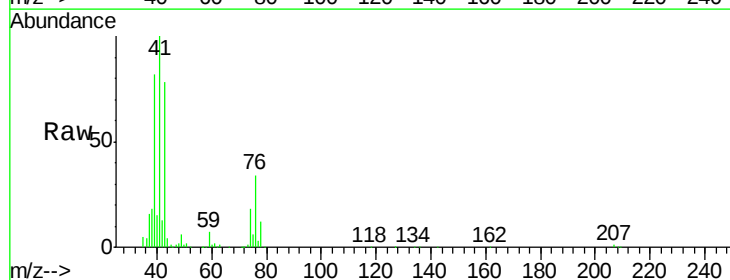
Acq: 05 Mar 2019 15:28

Tgt Ion: 43 Resp: 131595

Ion Ratio Lower Upper

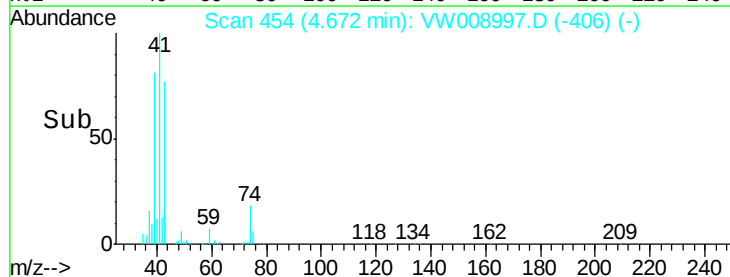
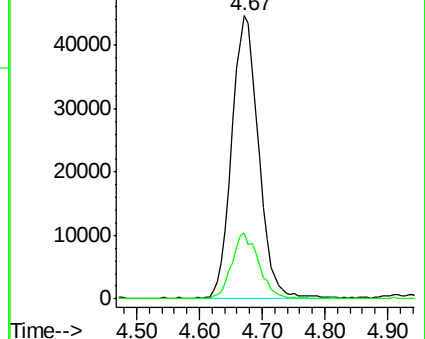
43 100

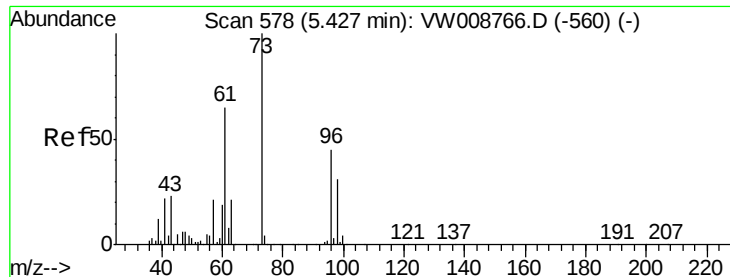
74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

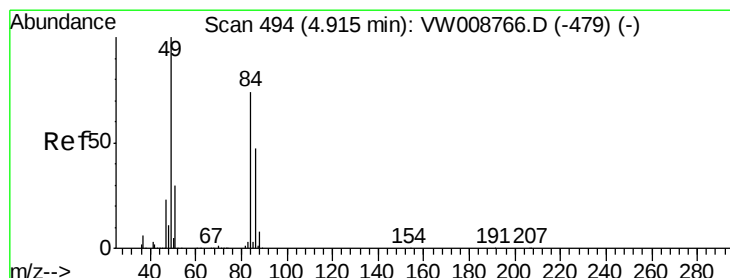
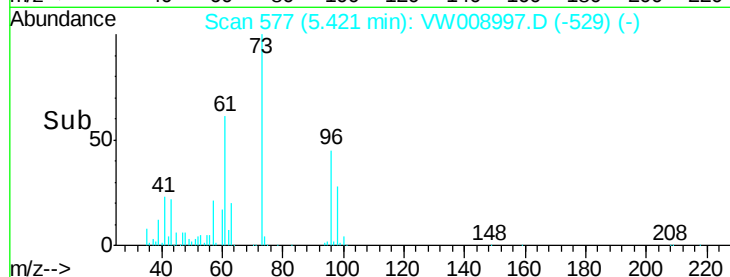
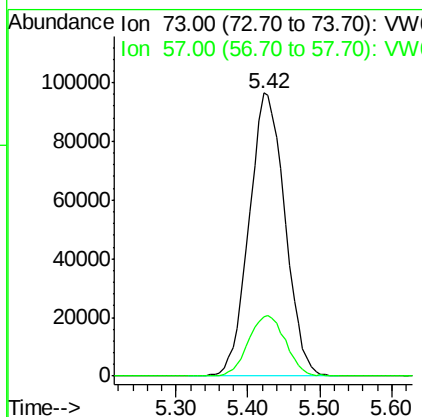
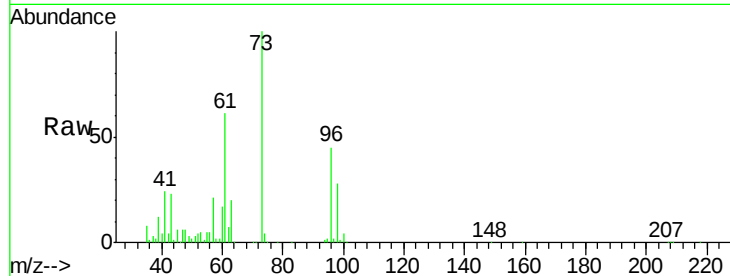




#19
Methvl tert-butvl Ether
Concen: 61.055 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

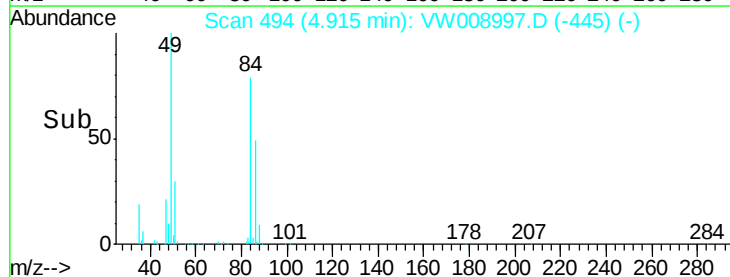
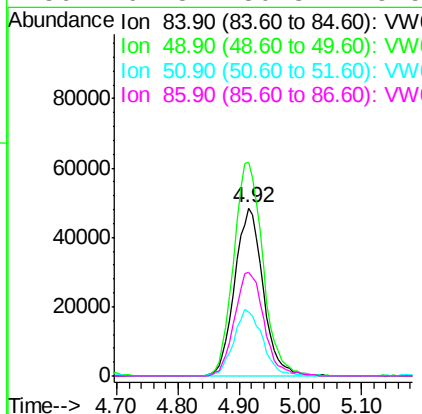
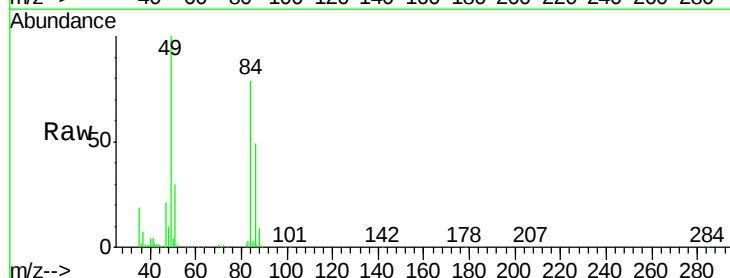
Instrument :
MSVOA_W
ClientSampled :

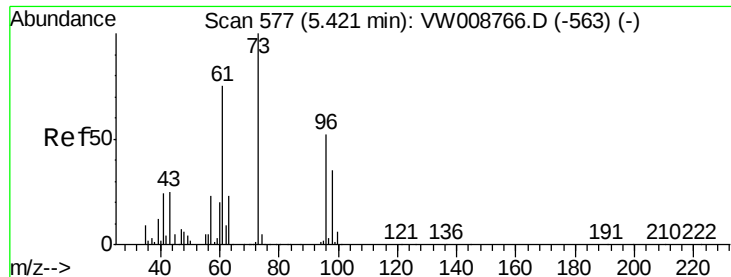
Tot Ion: 73 Resp: 333209
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2



#20
Methylene Chloride
Concen: 64.381 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 84 Resp: 155154
Ion Ratio Lower Upper
84 100
49 127.3 108.2 162.2
51 37.9 32.7 49.1
86 61.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 53.365 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :

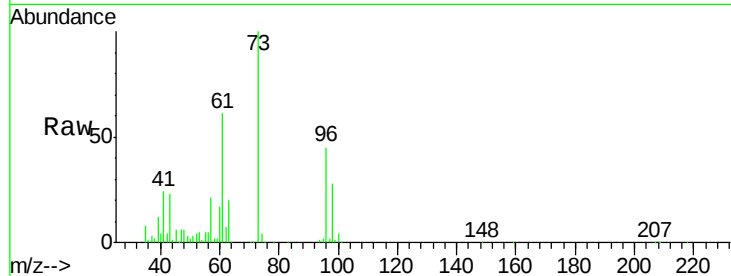
Tot Ion: 96 Resp: 124465

Ion Ratio Lower Upper

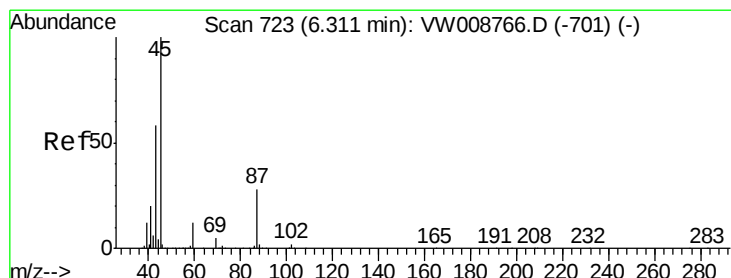
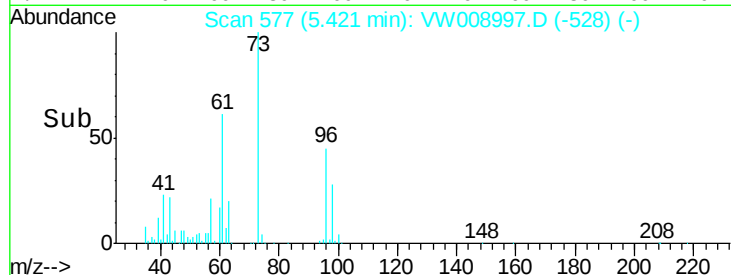
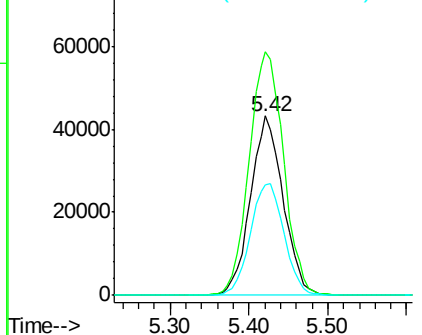
96 100

61 135.6 114.6 171.8

98 61.7 54.0 81.0



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



#22

Diisopropyl ether

Concen: 58.682 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion: 45 Resp: 407370

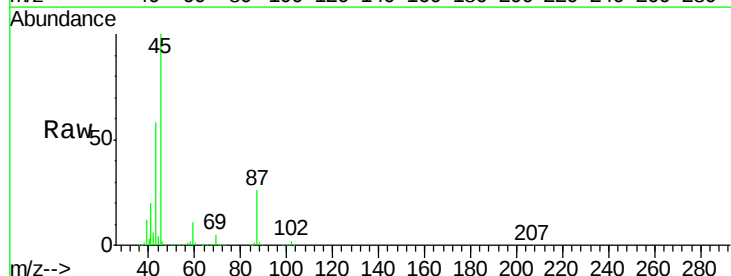
Ion Ratio Lower Upper

45 100

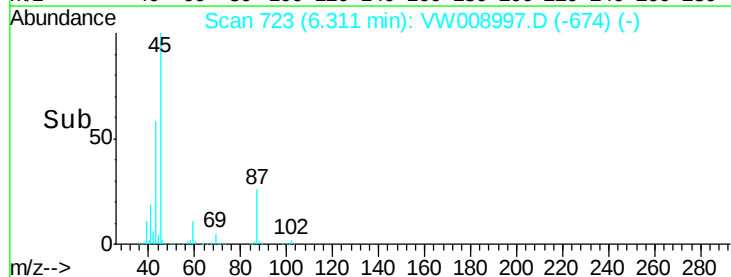
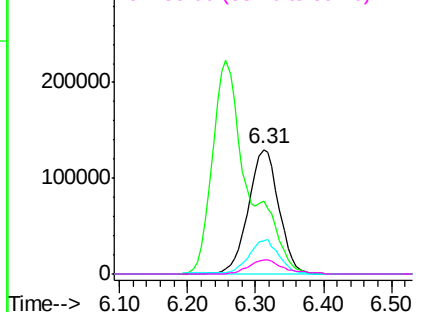
43 57.8 46.1 69.1

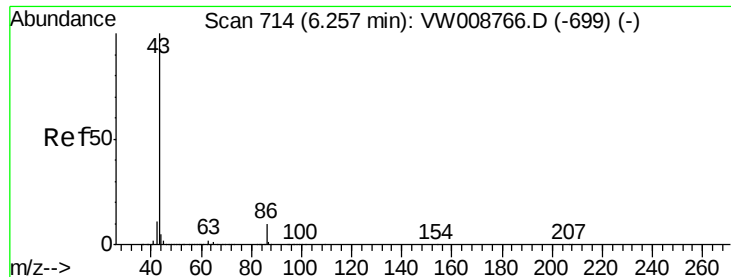
87 26.4 22.2 33.4

59 10.9 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 154.746 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

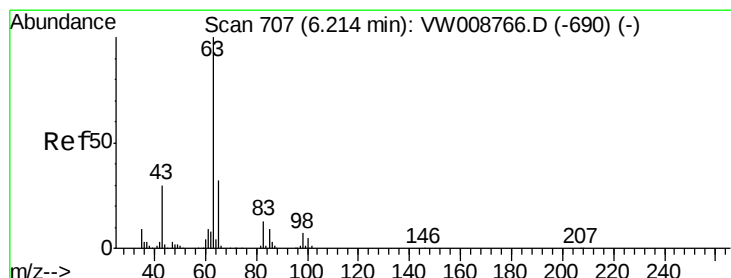
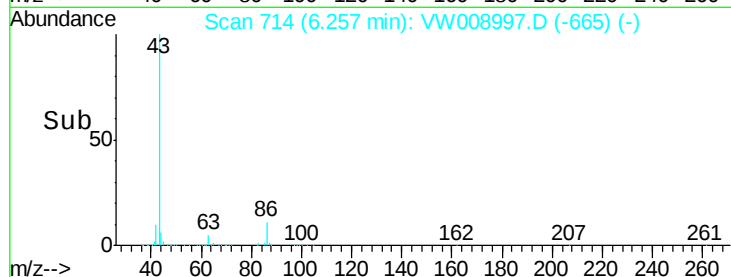
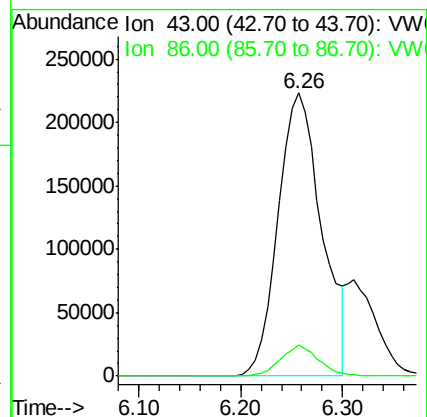
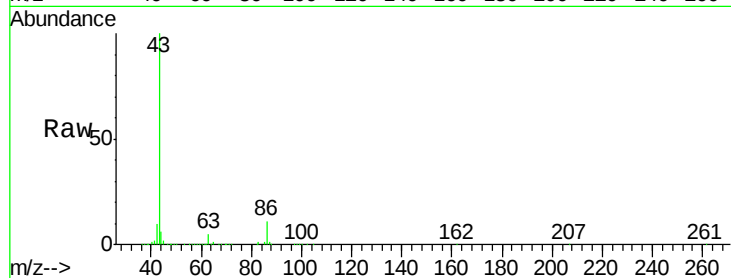
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 663725

Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1



#24

1,1-Dichloroethane

Concen: 56.461 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

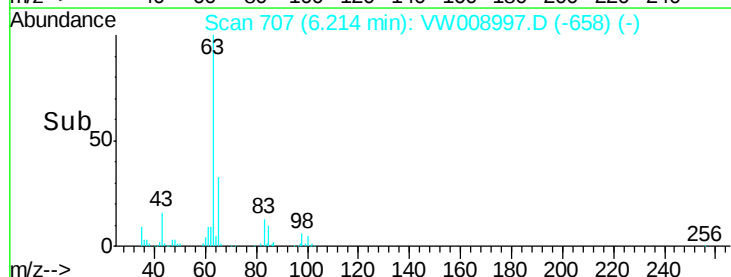
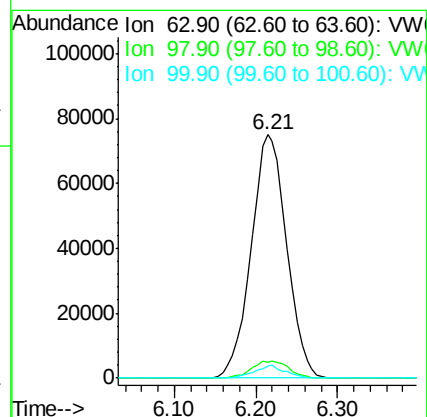
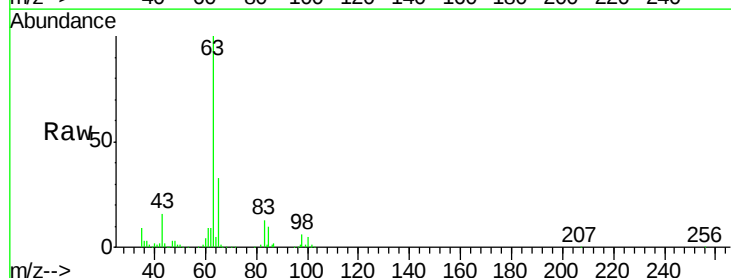
Tgt Ion: 63 Resp: 227127

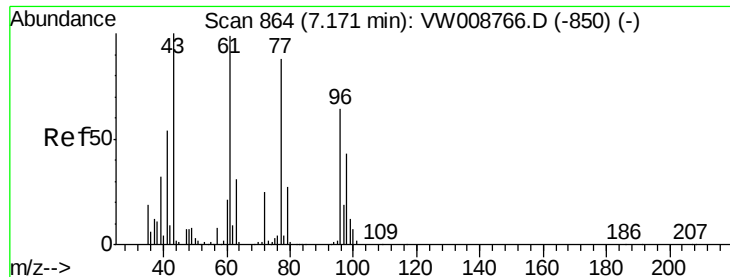
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.6

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 368.167 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

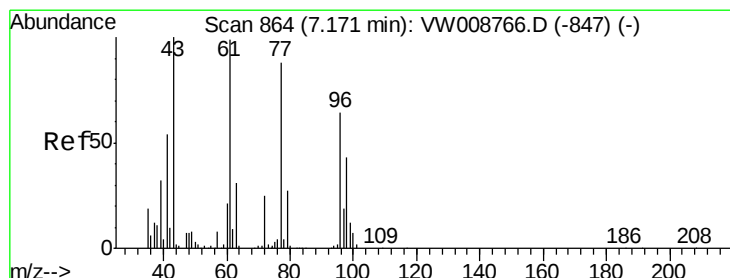
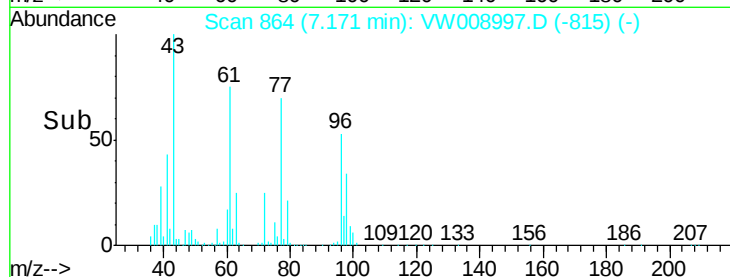
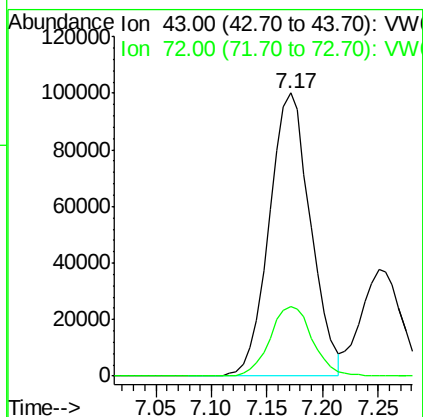
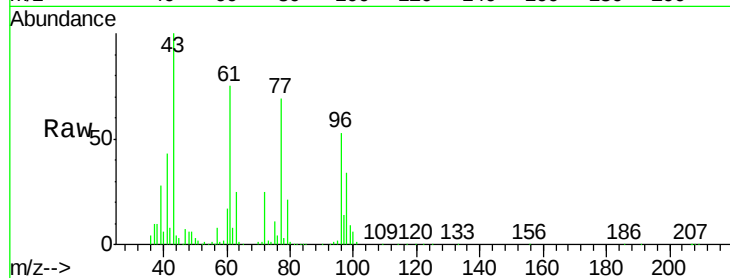
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 257692

Ion Ratio Lower Upper

43 100

72 24.6 19.7 29.5



#26

2,2-Dichloropropane

Concen: 55.692 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008997.D

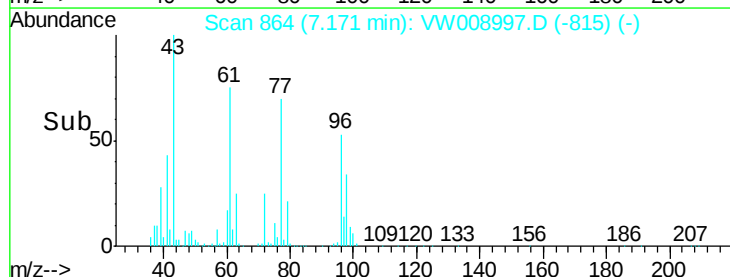
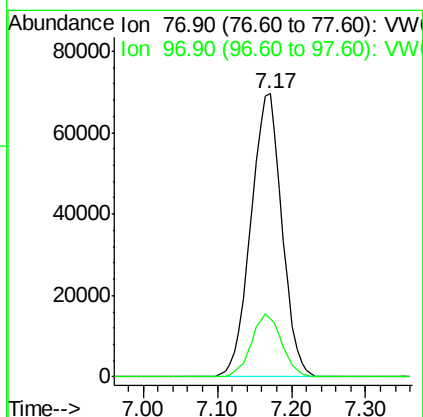
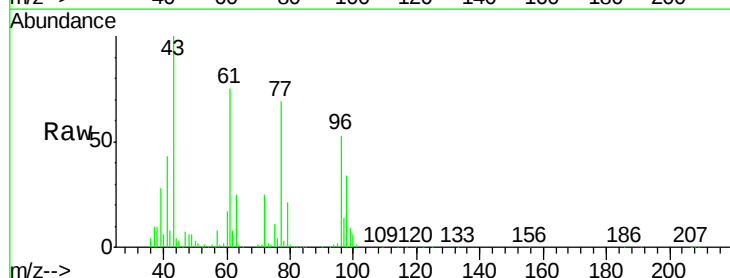
Acq: 05 Mar 2019 15:28

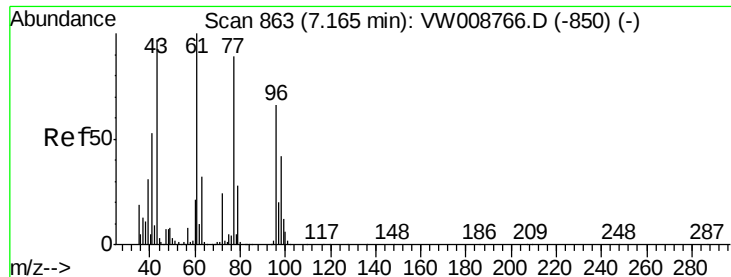
Tgt Ion: 77 Resp: 203393

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



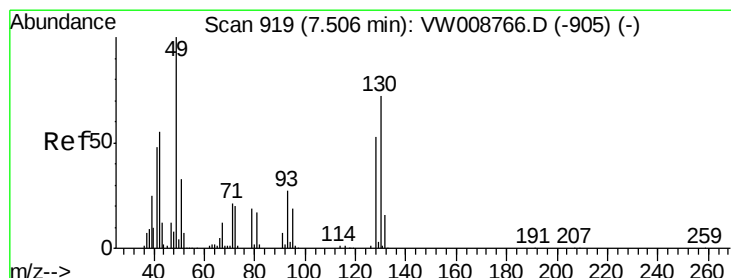
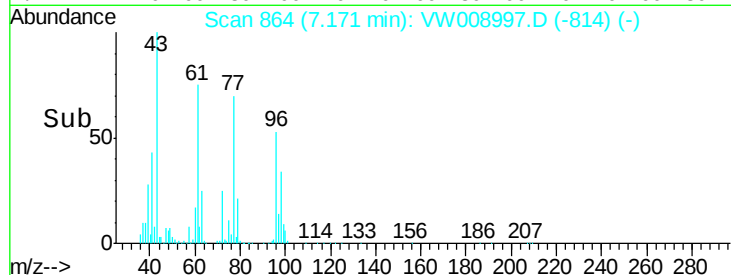
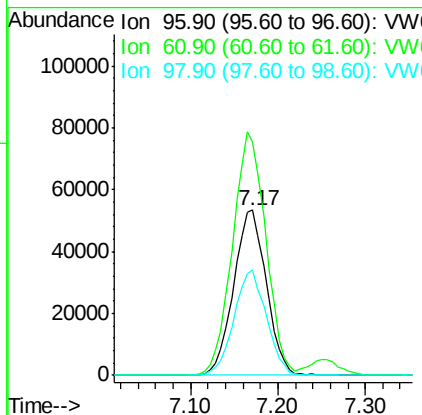
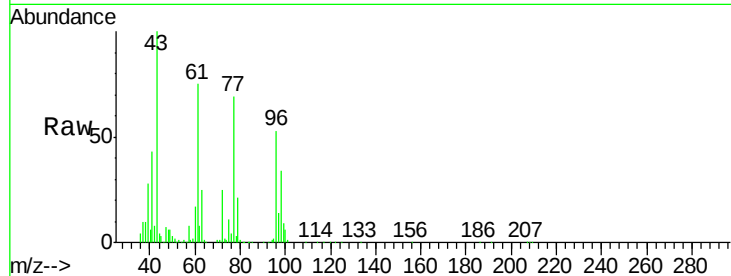


#27

cis-1,2-Dichloroethene
Concen: 55.645 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampled :

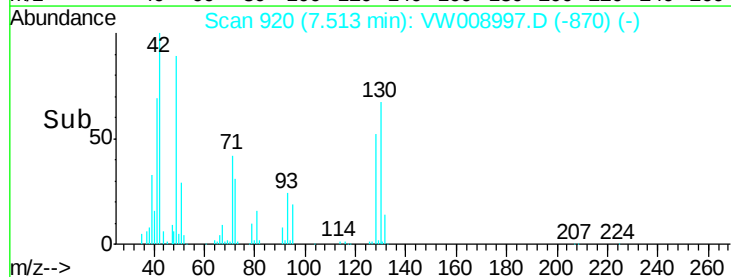
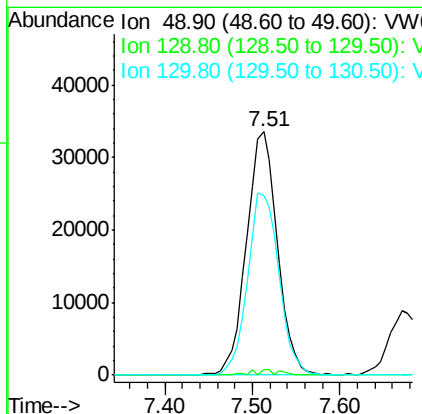
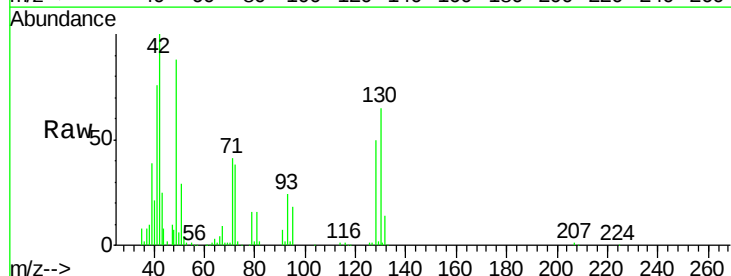
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	302.6
98	63.4	0.0	130.0

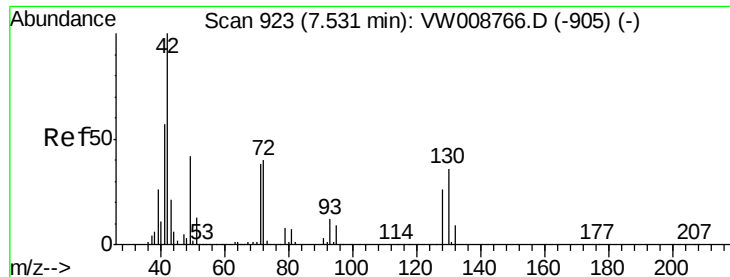


#28

Bromochloromethane
Concen: 49.044 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.6
130	75.9	61.3	91.9





#29

Tetrahydrofuran

Concen: 353.669 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

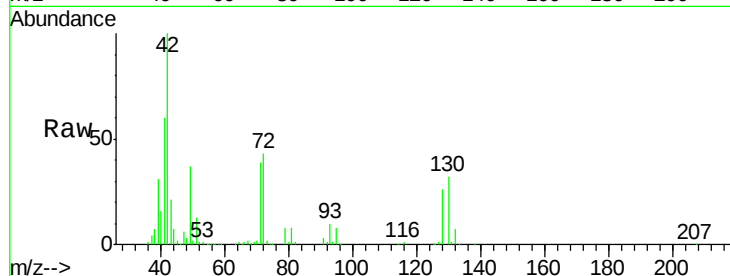
Tot Ion: 42 Resp: 157753

Ion Ratio Lower Upper

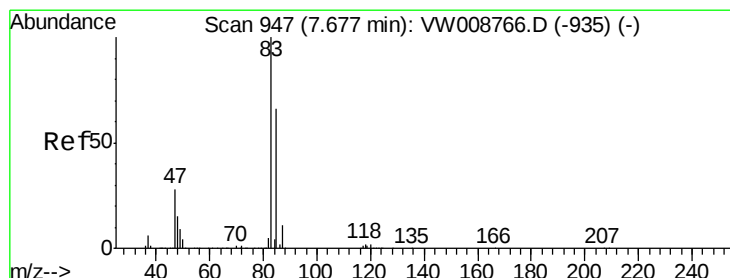
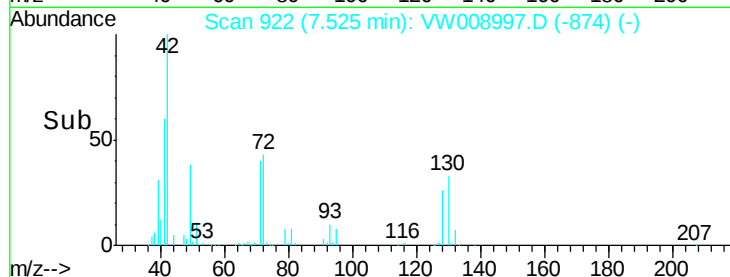
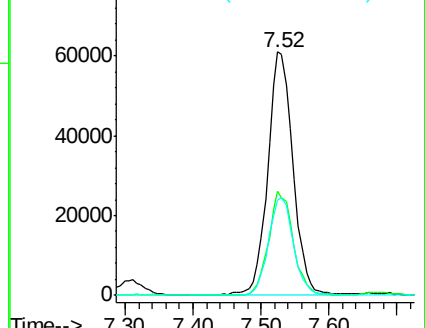
42 100

72 41.8 32.7 49.1

71 39.9 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 57.703 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008997.D

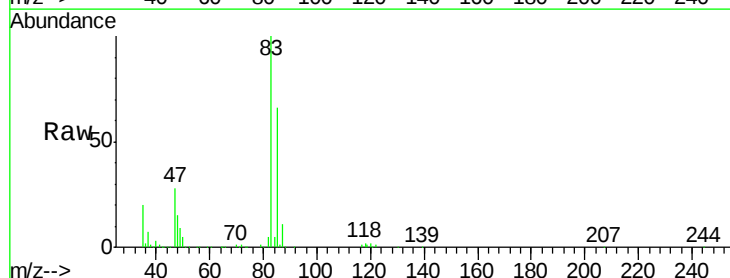
Acq: 05 Mar 2019 15:28

Tgt Ion: 83 Resp: 238130

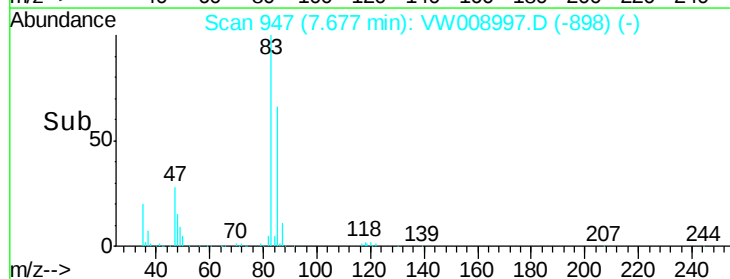
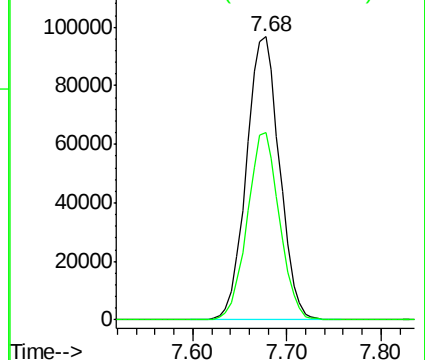
Ion Ratio Lower Upper

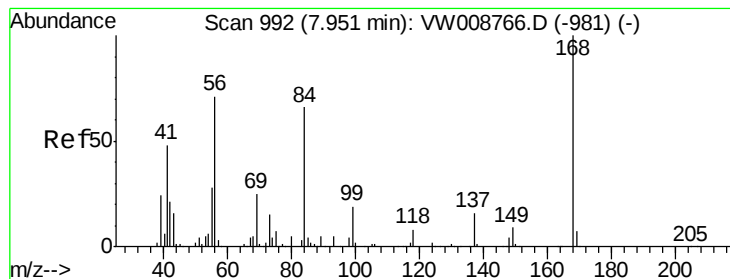
83 100

85 66.3 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.138 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :

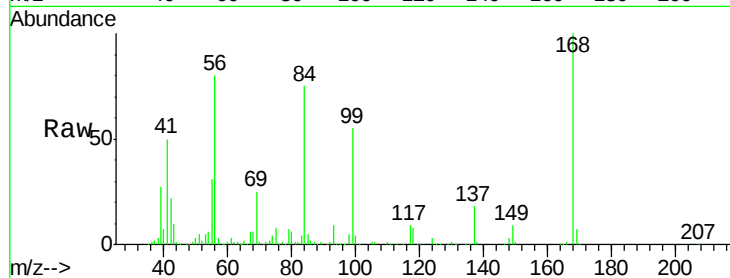
Tot Ion: 56 Resp: 196015

Ion Ratio Lower Upper

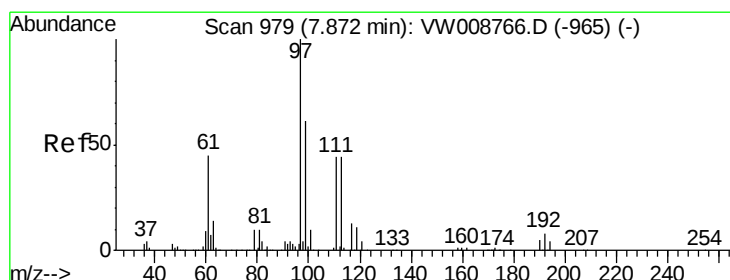
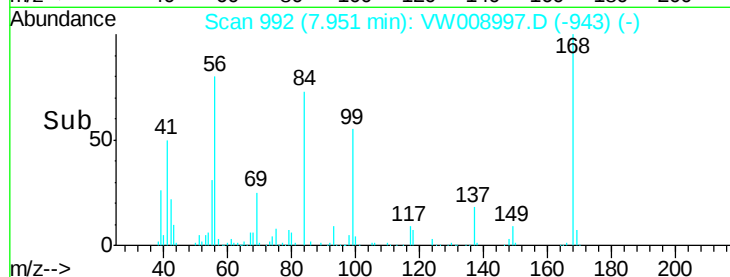
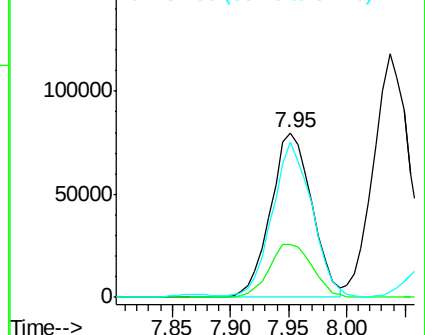
56 100

69 31.8 28.2 42.4

84 92.6 74.1 111.1



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



#32

1,1,1-Trichloroethane

Concen: 56.933 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

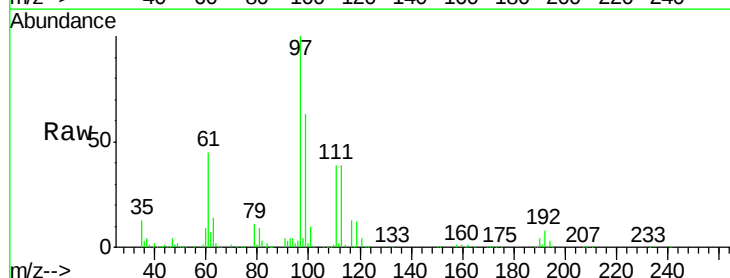
Tgt Ion: 97 Resp: 213665

Ion Ratio Lower Upper

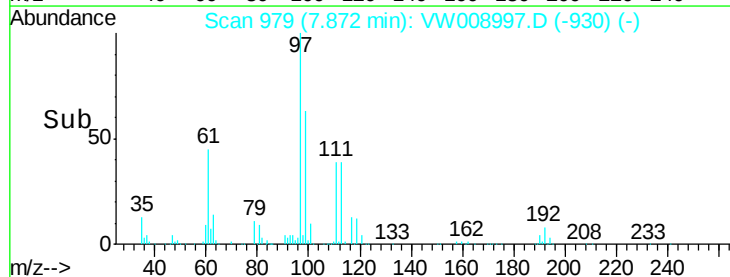
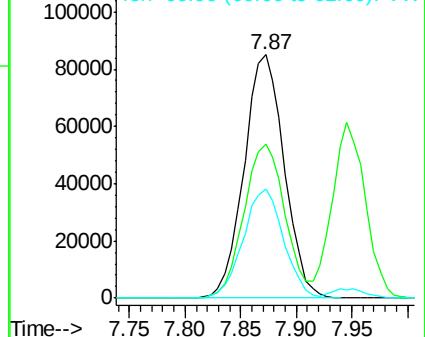
97 100

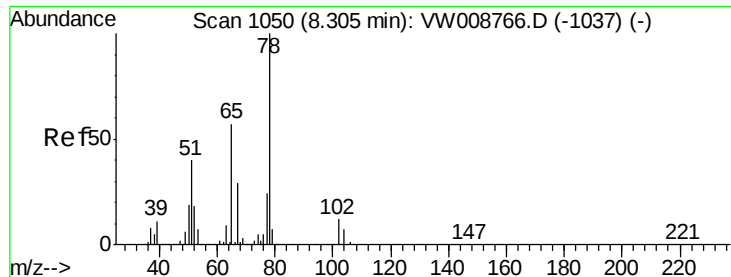
99 64.2 50.8 76.2

61 45.0 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

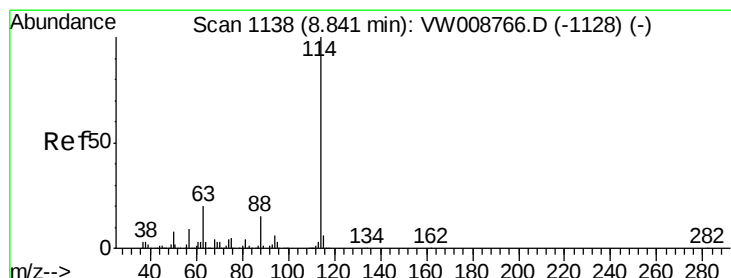
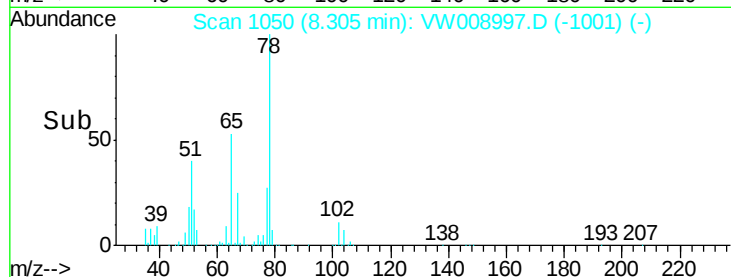
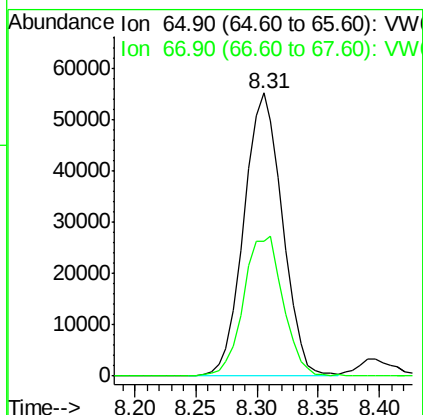
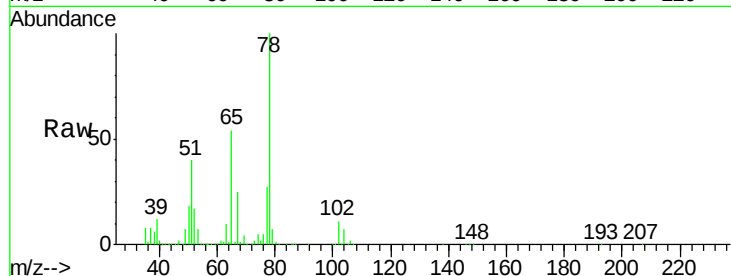




#33
 1,2-Dichloroethane-d4
 Concen: 56.097 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

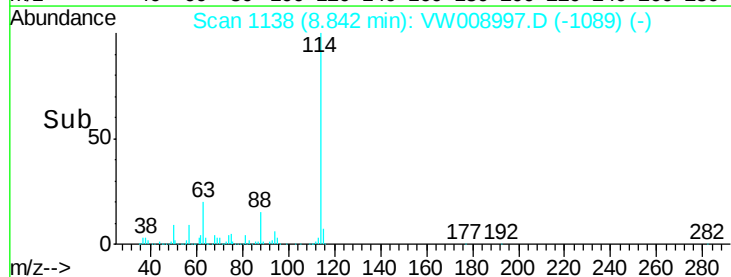
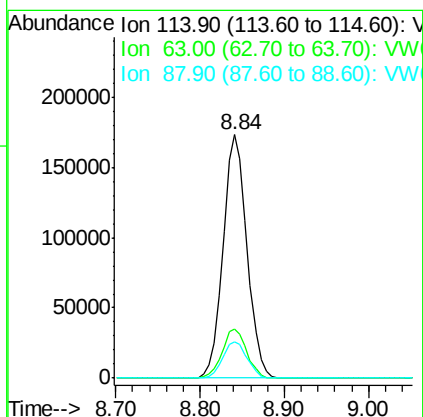
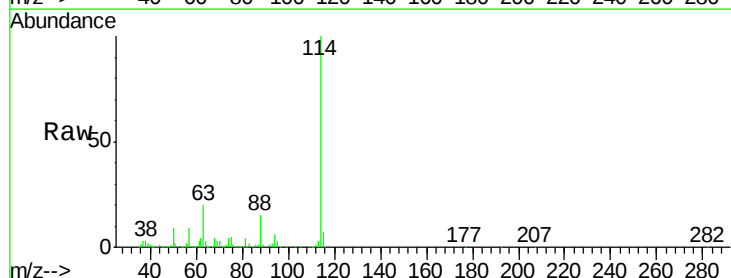
Instrument :
 MSVOA_W
 ClientSampleId :

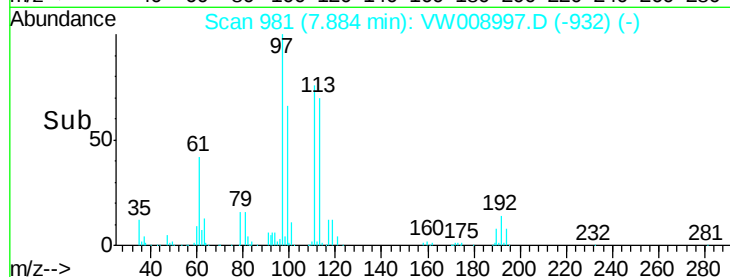
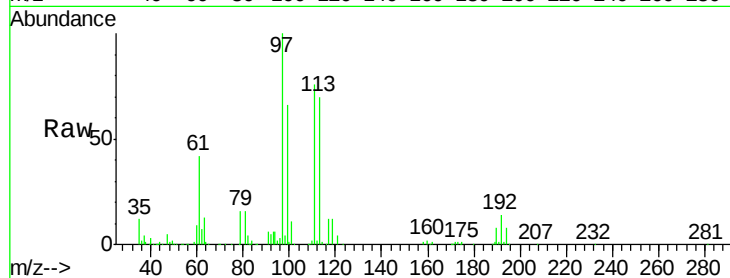
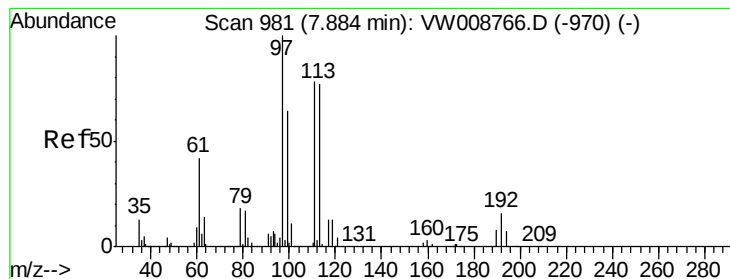
Tot Ion: 65 Resp: 121164
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion: 114 Resp: 336395
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.753 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

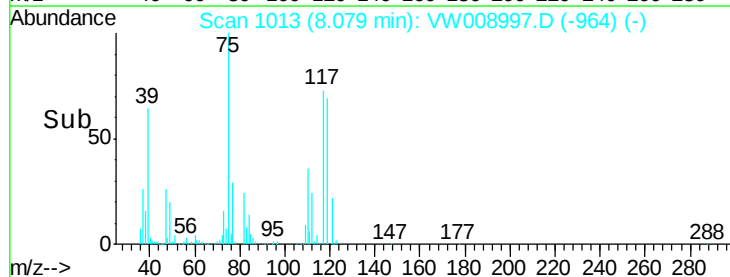
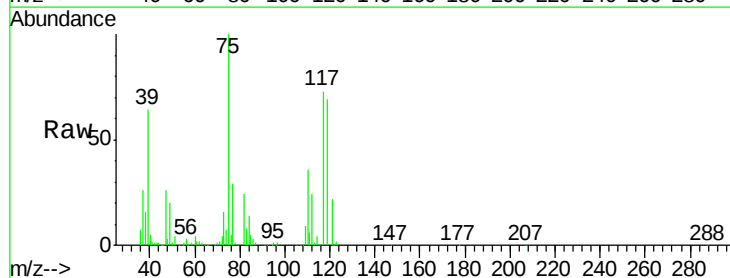
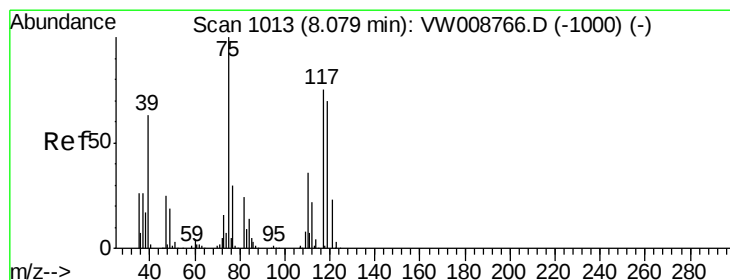
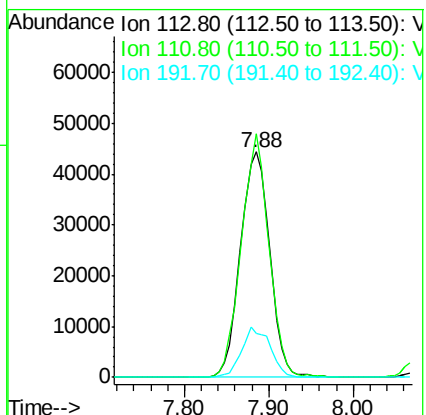
Tot Ion:113 Resp: 104528

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

192 21.5 17.1 25.7



#36

1,1-Dichloropropene

Concen: 54.162 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

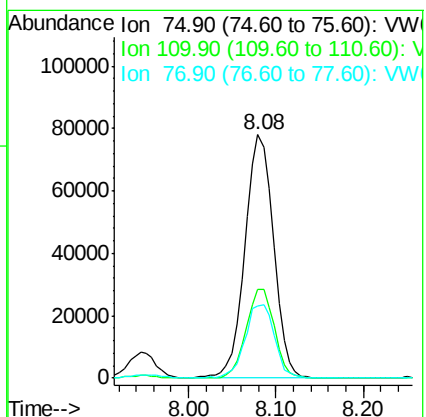
Tgt Ion: 75 Resp: 177357

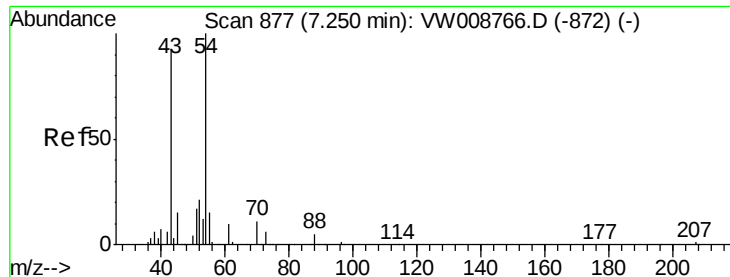
Ion Ratio Lower Upper

75 100

110 36.0 17.5 52.6

77 31.2 24.5 36.7

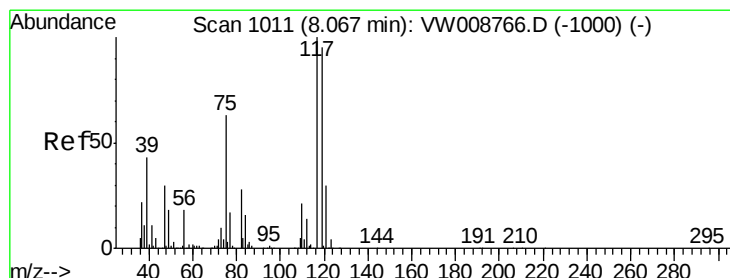
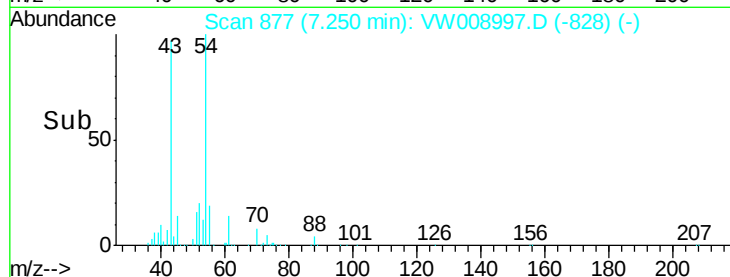
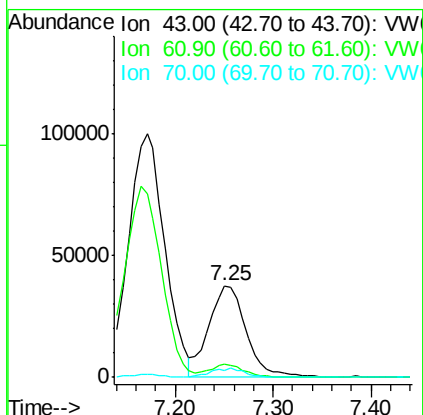
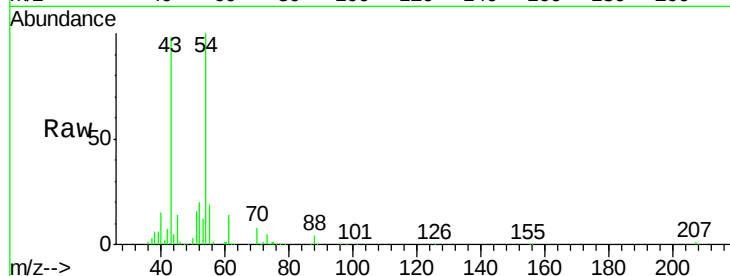




#37
Ethyl Acetate
Concen: 65.316 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

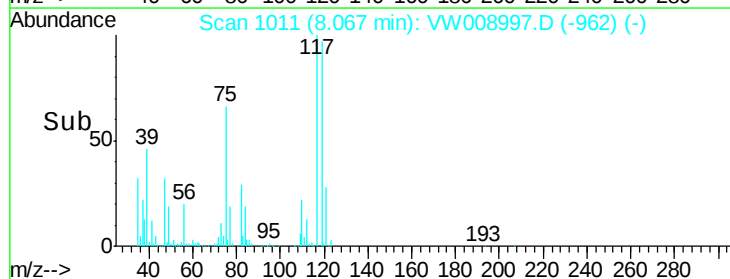
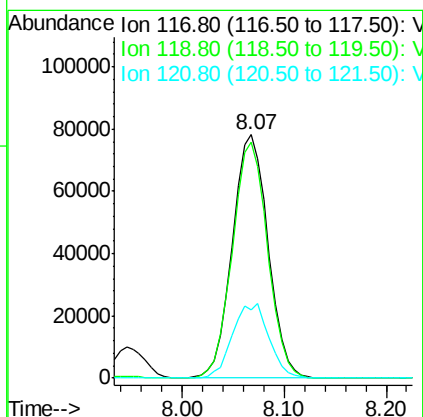
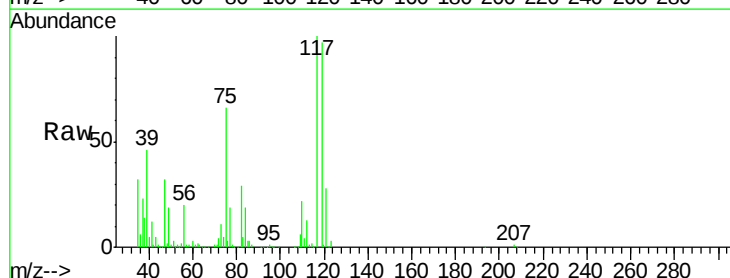
Instrument :
MSVOA_W
ClientSampleId :

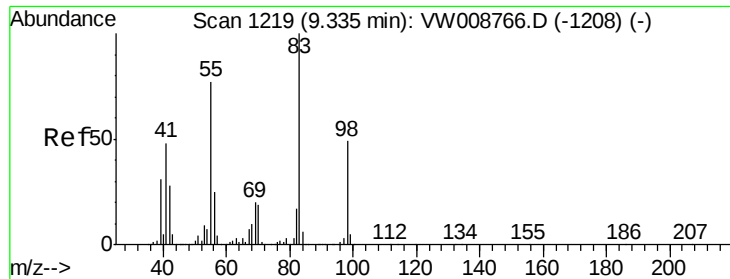
Tot Ion: 43 Resp: 99461
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.8
70 9.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 54.948 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 117 Resp: 189756
Ion Ratio Lower Upper
117 100
119 96.9 76.1 114.1
121 27.9 24.0 36.0

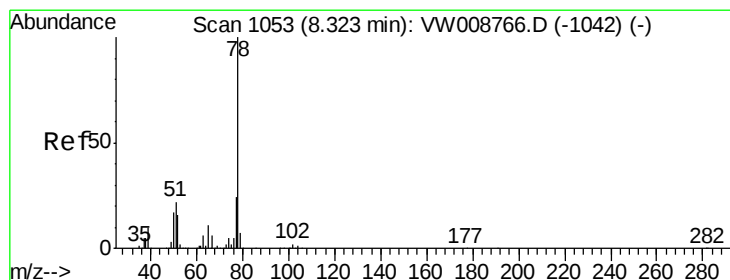
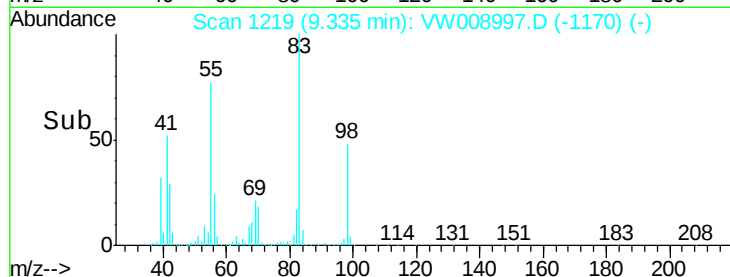
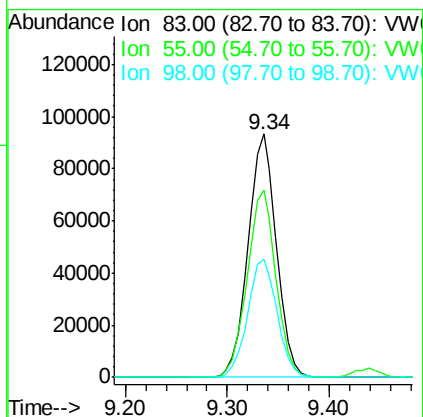
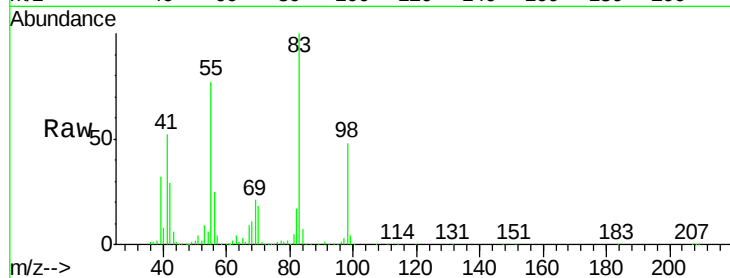




#39
Methvlcvclohexane
Concen: 44.412 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

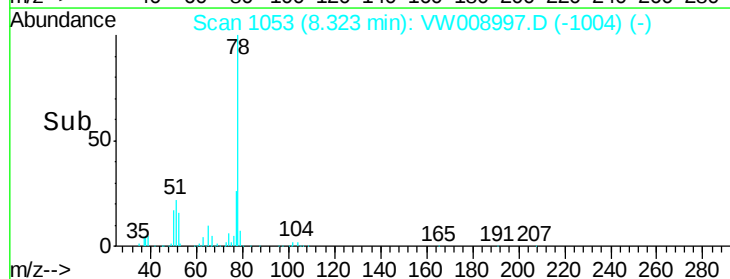
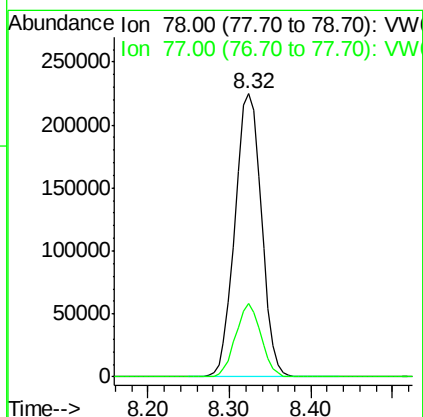
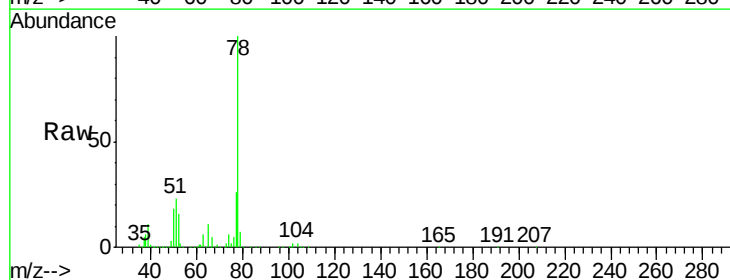
Instrument :
MSVOA_W
ClientSampled :

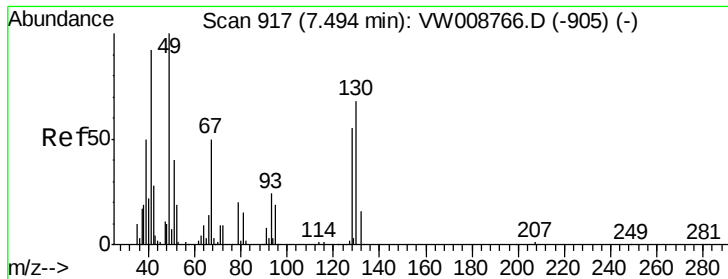
Tot Ion: 83 Resp: 181400
Ion Ratio Lower Upper
83 100
55 77.2 61.2 91.8
98 48.3 39.4 59.2



#40
Benzene
Concen: 56.288 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 78 Resp: 503256
Ion Ratio Lower Upper
78 100
77 26.0 19.3 28.9

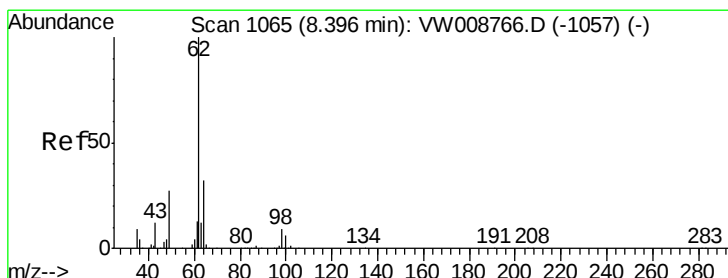
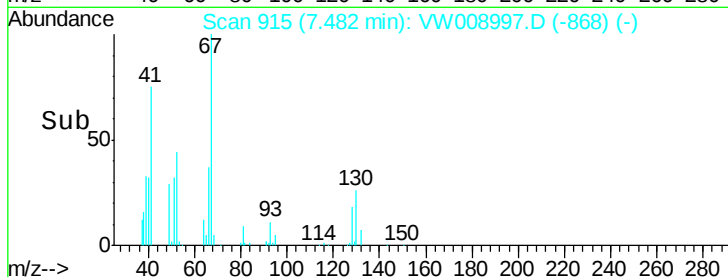
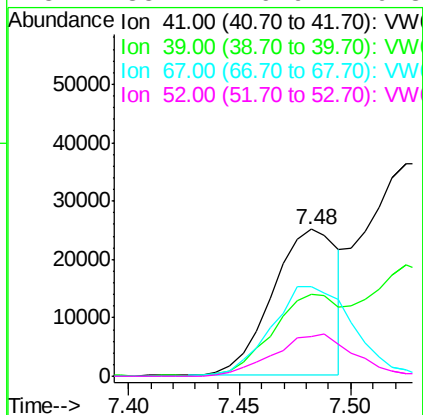
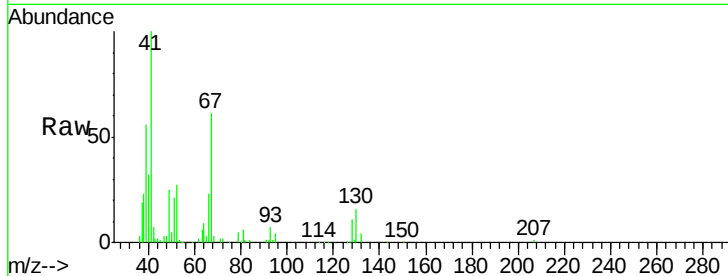




#41
Methacrylonitrile
Concen: 57.391 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

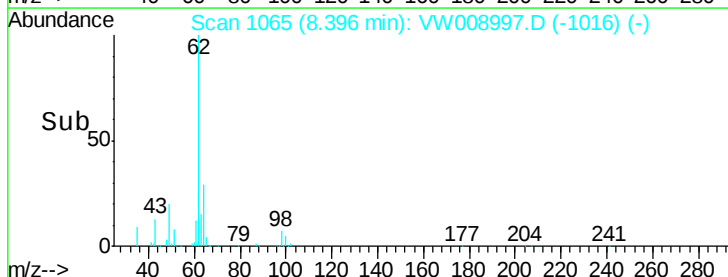
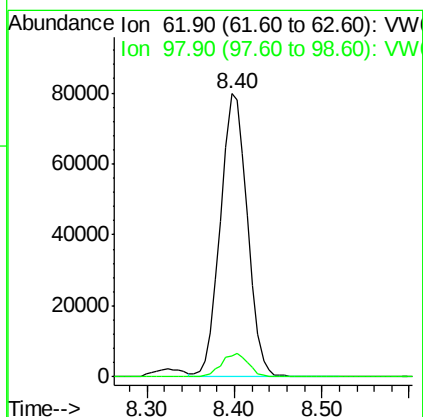
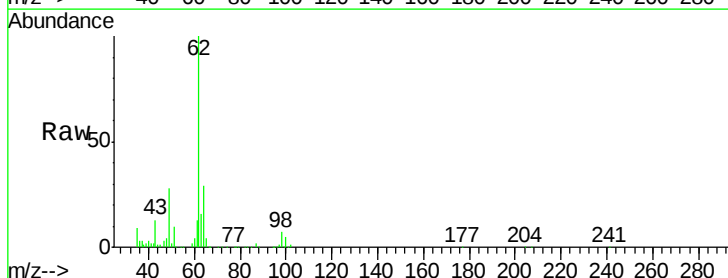
Instrument :
MSVOA_W
ClientSampled :

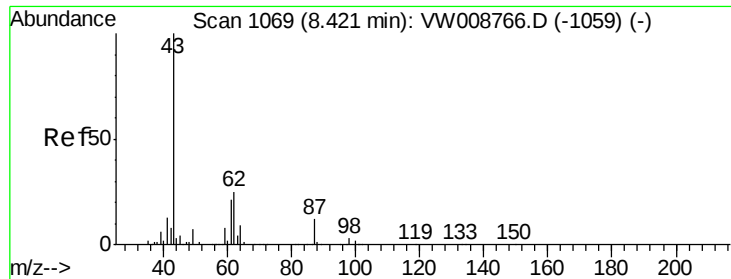
Tot Ion:	41	Resp:	51370
Ion	Ratio	Lower	Upper
41	100		
39	56.3	52.5	78.7
67	77.8	55.0	82.6
52	35.1	26.9	40.3



#42
1,2-Dichloroethane
Concen: 60.300 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion:	62	Resp:	170783
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 61.853 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

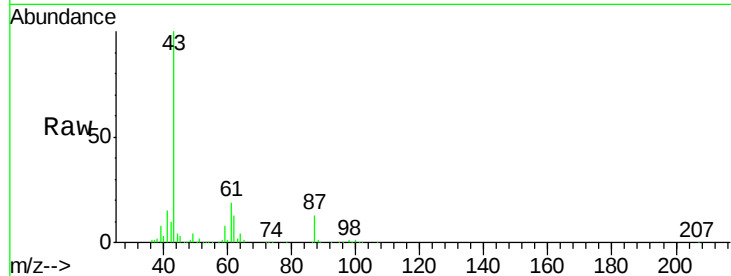
Tot Ion: 43 Resp: 187980

Ion Ratio Lower Upper

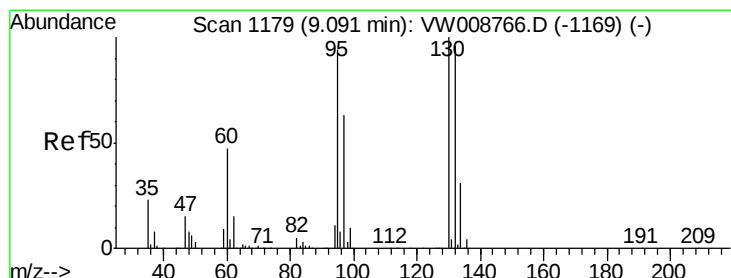
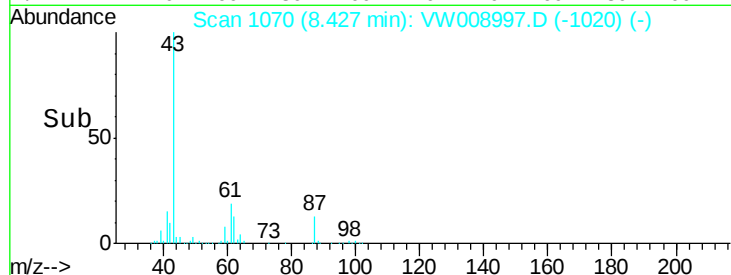
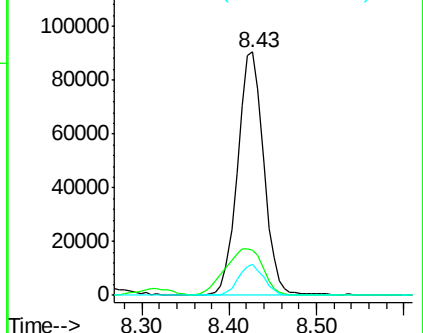
43 100

61 27.7 23.2 34.8

87 12.4 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 51.946 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008997.D

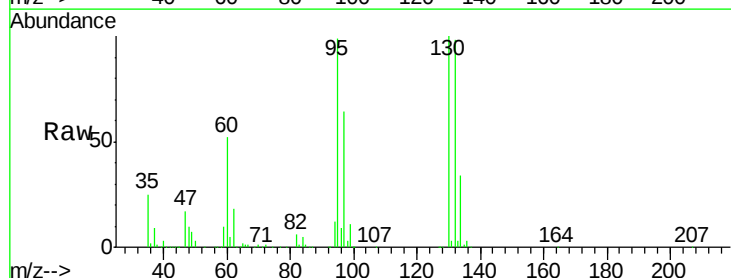
Acq: 05 Mar 2019 15:28

Tgt Ion: 130 Resp: 130835

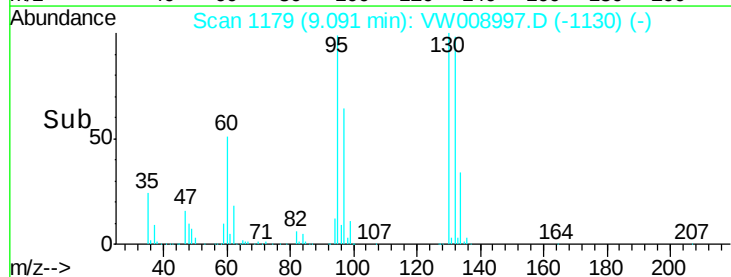
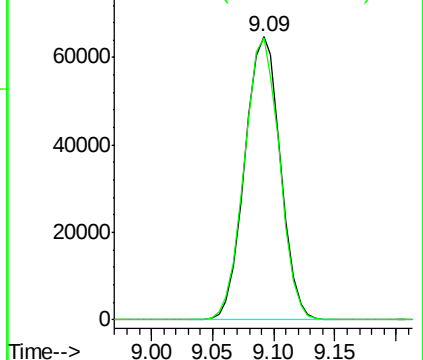
Ion Ratio Lower Upper

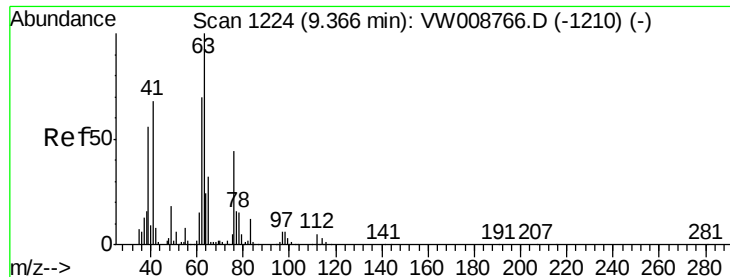
130 100

95 99.5 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 56.557 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

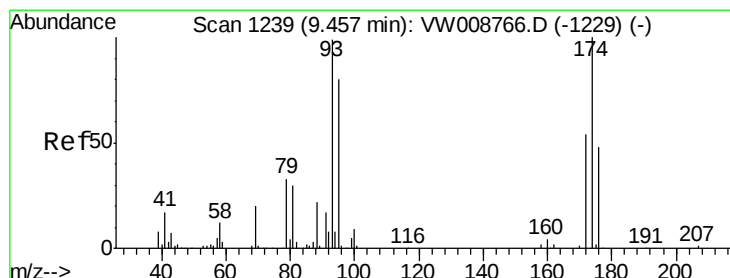
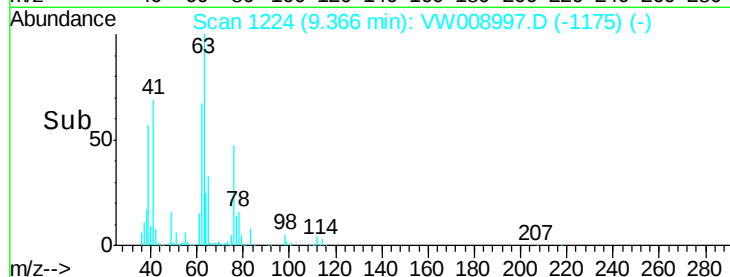
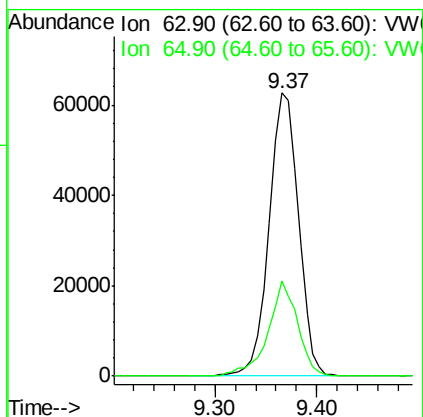
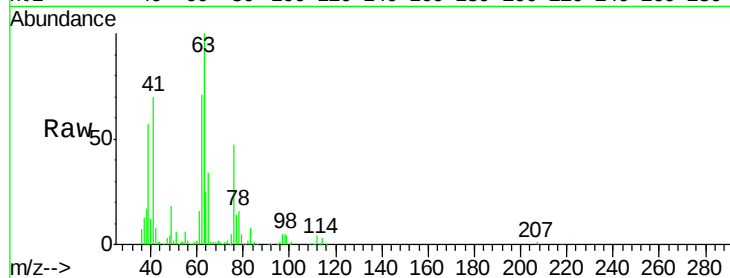
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 124956

Ion Ratio Lower Upper

63 100

65 33.4 25.5 38.3



#46

Dibromomethane

Concen: 59.976 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

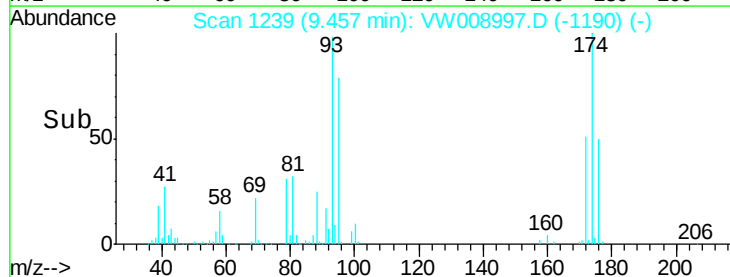
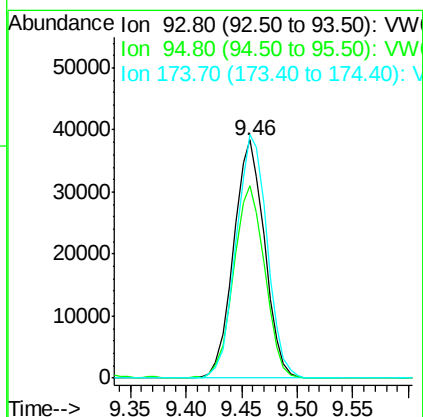
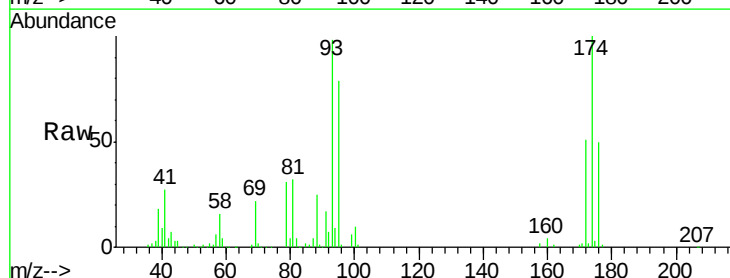
Tgt Ion: 93 Resp: 73706

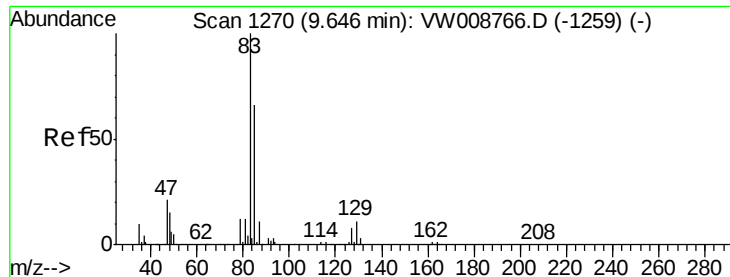
Ion Ratio Lower Upper

93 100

95 81.4 67.7 101.5

174 103.1 86.7 130.1





#47

Bromodichloromethane

Concen: 57.753 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

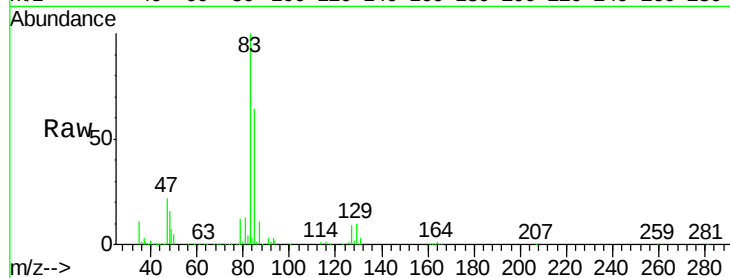
Tot Ion: 83 Resp: 172682

Ion Ratio Lower Upper

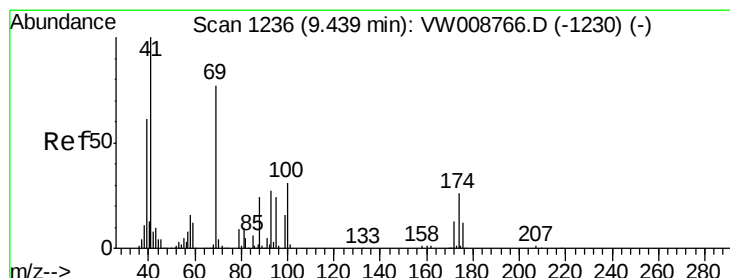
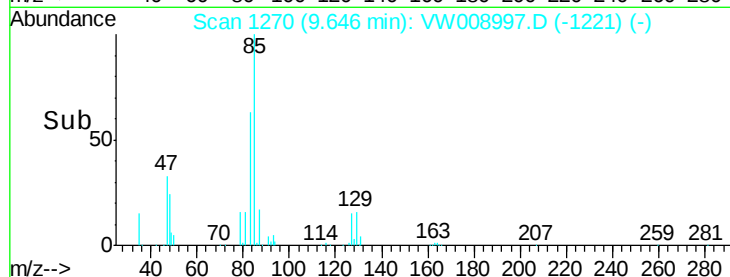
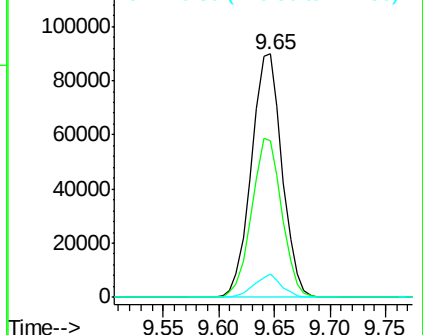
83 100

85 64.1 52.5 78.7

127 9.4 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: 62.510 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

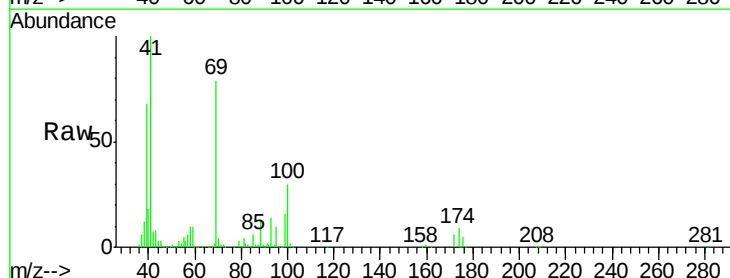
Tgt Ion: 41 Resp: 90987

Ion Ratio Lower Upper

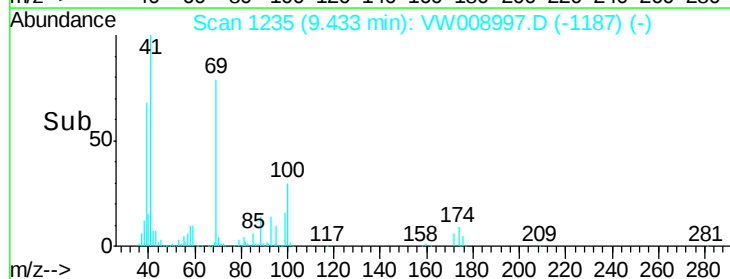
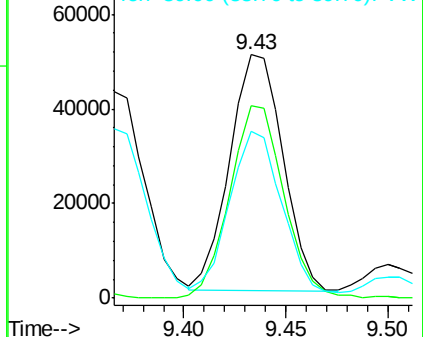
41 100

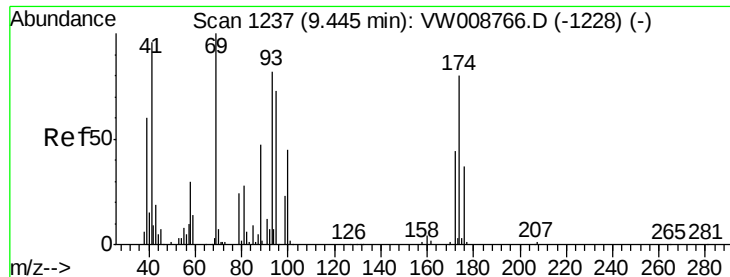
69 83.1 63.6 95.4

39 71.0 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: 1326.815 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :

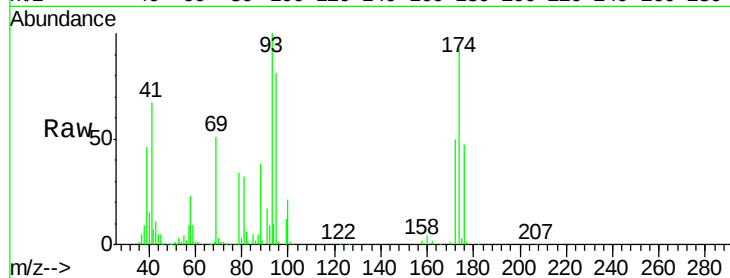
Tot Ion: 88 Resp: 26112

Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.0	43.4
58	70.9	52.0	78.0

88 100

43 36.6 29.0 43.4

58 70.9 52.0 78.0

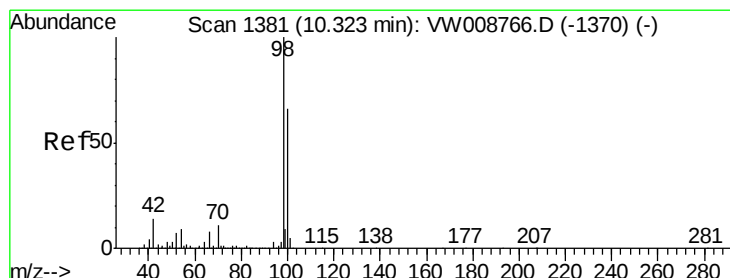
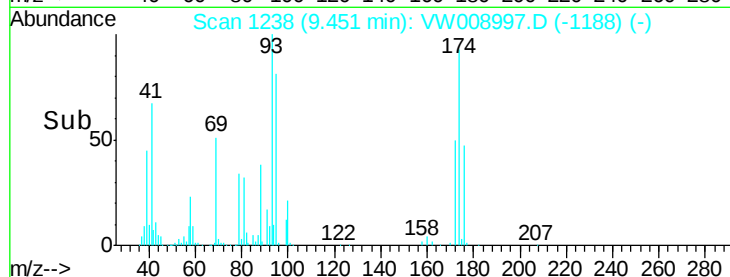
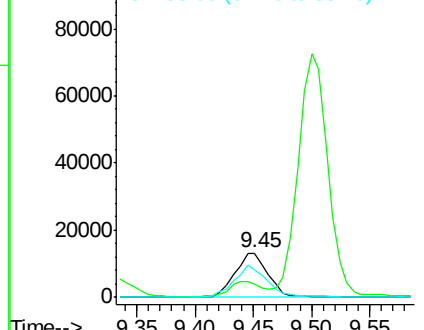


Abundance

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: 51.669 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008997.D

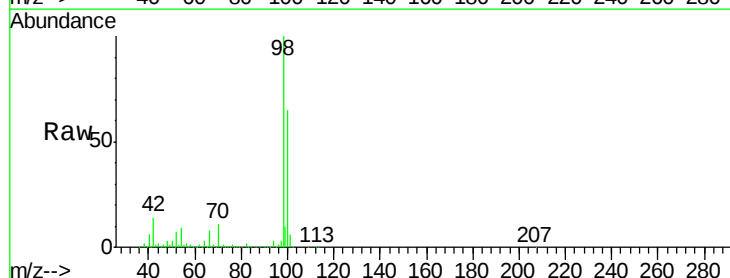
Acq: 05 Mar 2019 15:28

Tgt Ion: 98 Resp: 402858

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

98 100

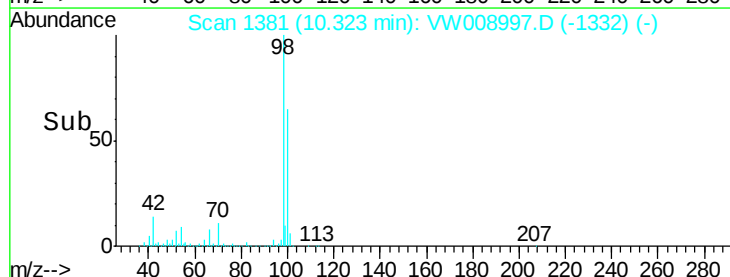
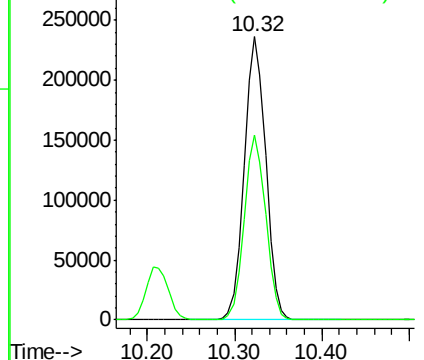
100 65.2 52.4 78.6

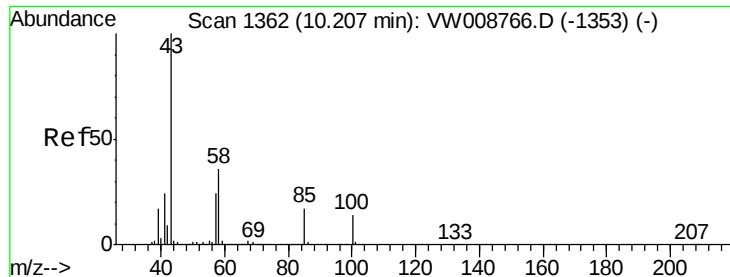


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 346.361 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

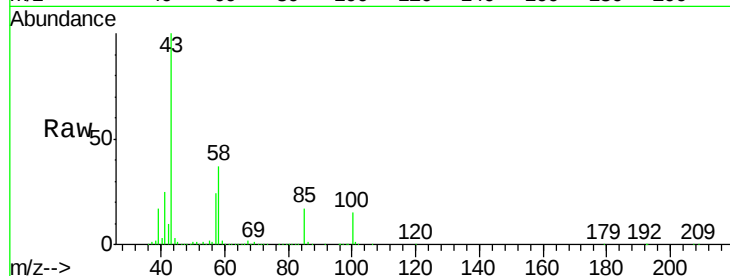
ClientSampleId :

Tot Ion: 43 Resp: 534422

Ion Ratio Lower Upper

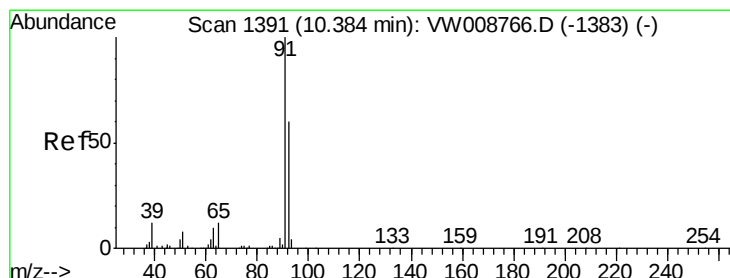
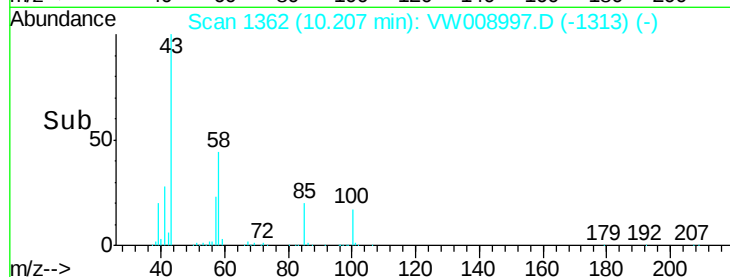
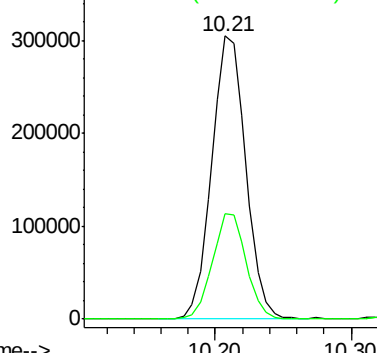
43 100

58 37.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 54.925 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008997.D

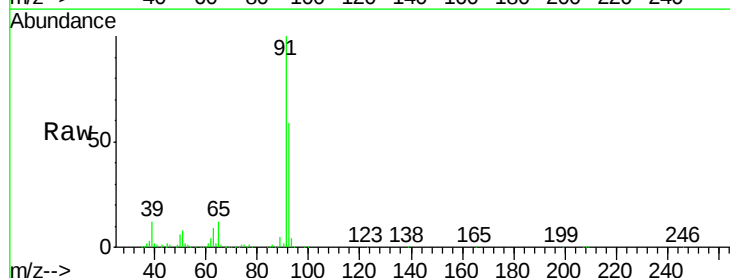
Acq: 05 Mar 2019 15:28

Tgt Ion: 92 Resp: 333275

Ion Ratio Lower Upper

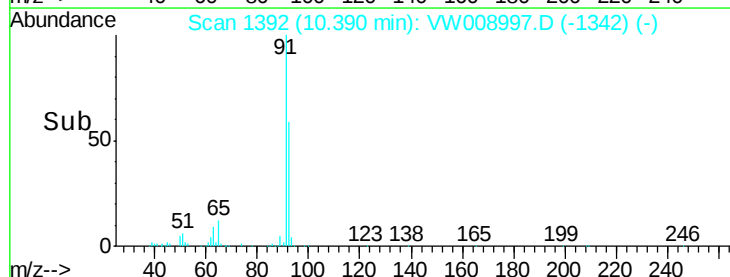
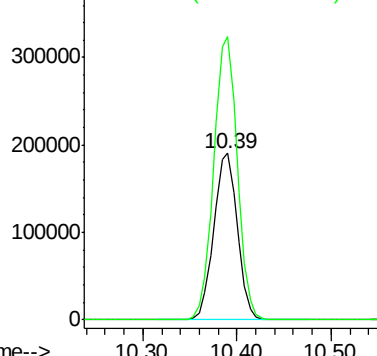
92 100

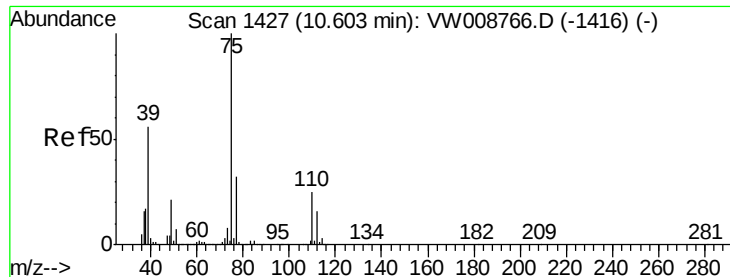
91 170.1 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 56.470 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

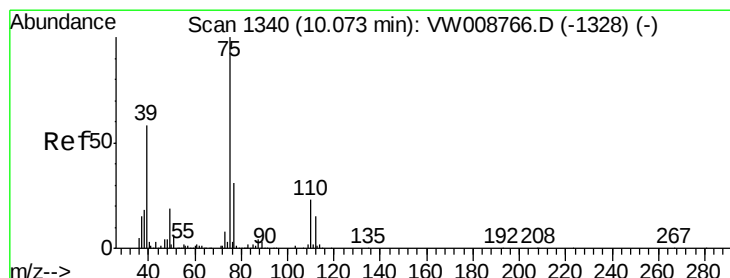
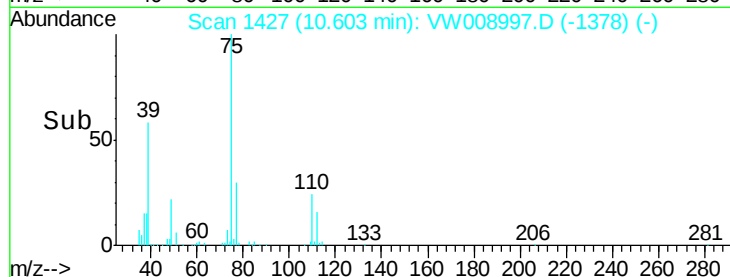
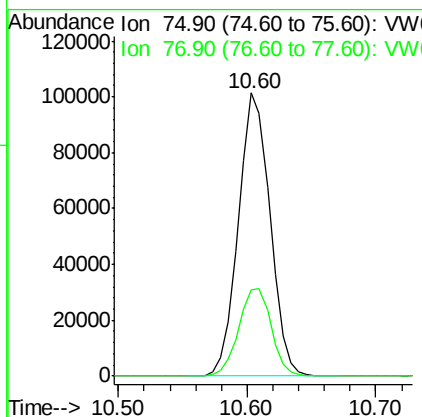
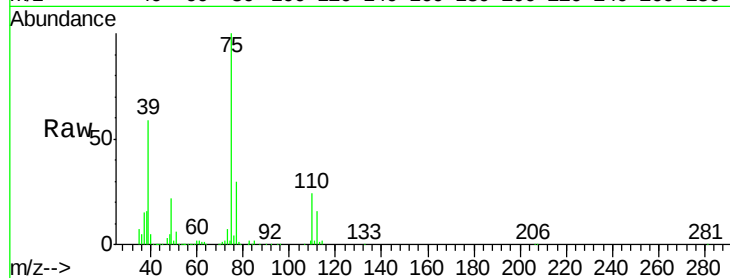
ClientSampleId :

Tot Ion: 75 Resp: 172099

Ion Ratio Lower Upper

75 100

77 30.1 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 56.469 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

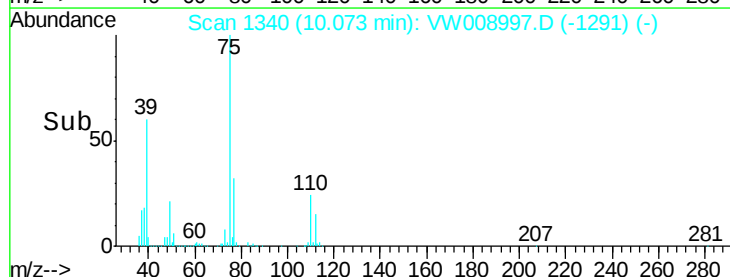
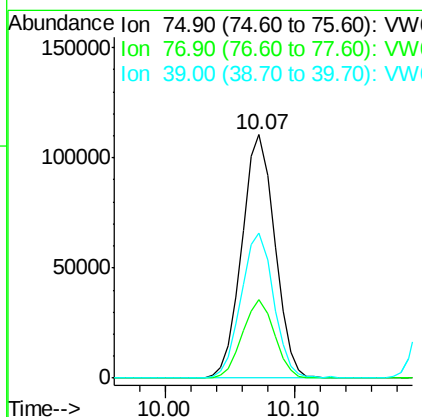
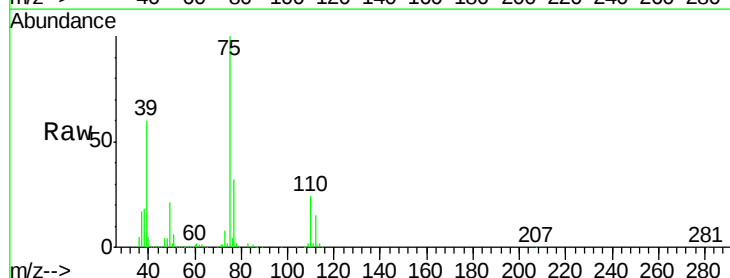
Tgt Ion: 75 Resp: 196277

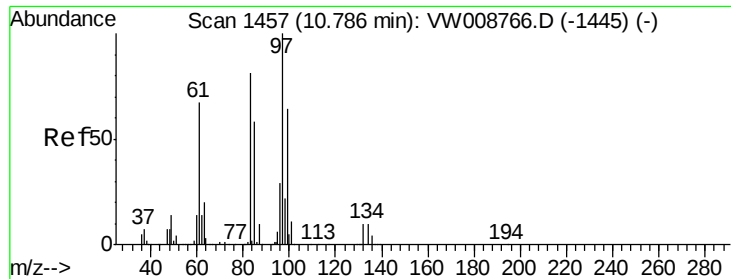
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 59.6 46.6 70.0

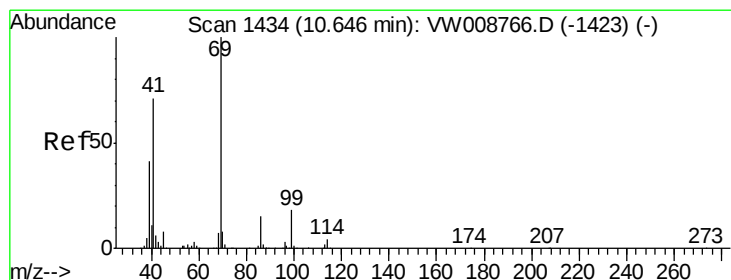
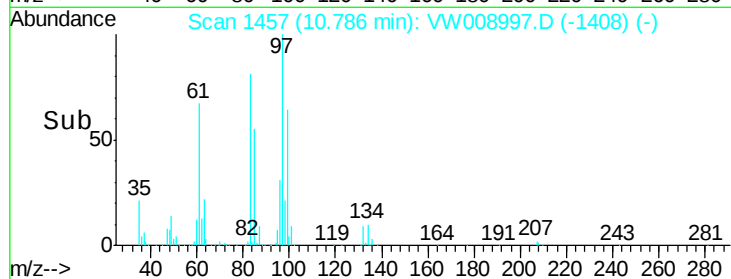
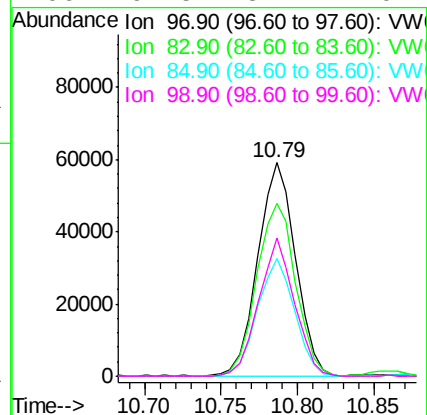
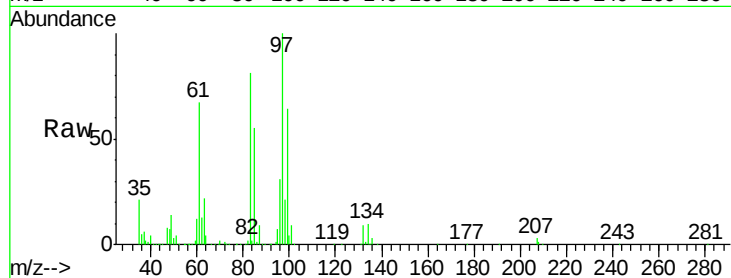




#55
 1,1,2-Trichloroethane
 Concen: 61.081 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

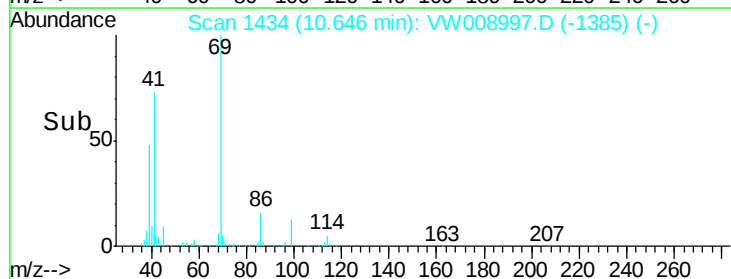
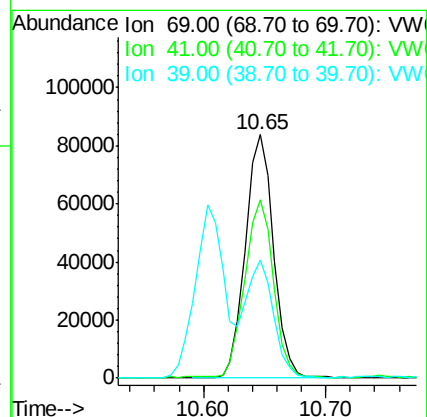
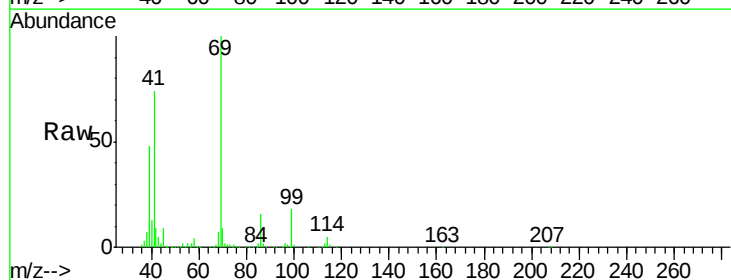
Instrument :
 MSVOA_W
 ClientSampleId :

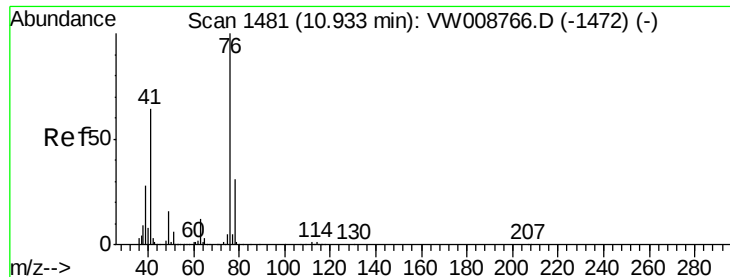
Tot Ion:	97	Resp:	101799
Ion	Ratio	Lower	Upper
97	100		
83	80.8	65.0	97.6
85	55.0	46.0	69.0
99	64.5	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 61.988 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion:	69	Resp:	134222
Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.4	86.0
39	45.3	34.8	52.2

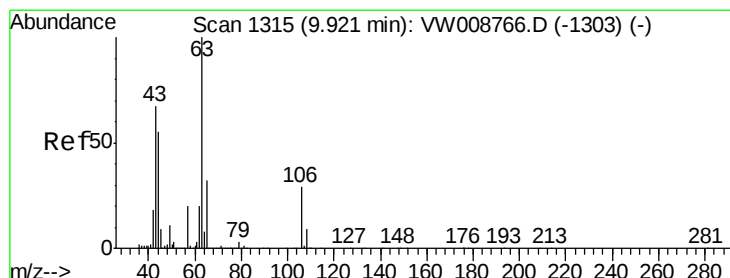
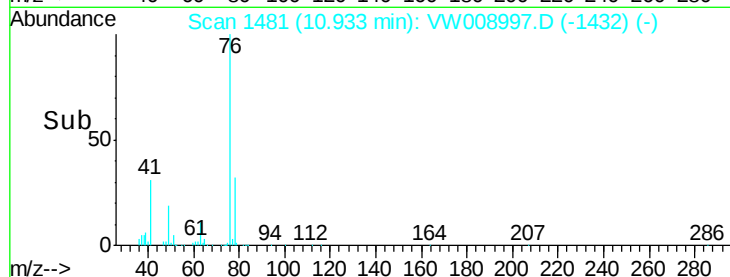
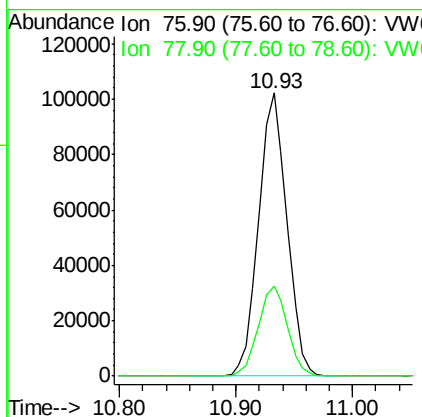
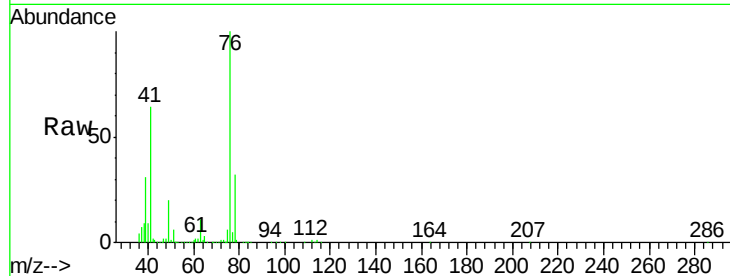




#57
 1,3-Dichloropropane
 Concen: 58.639 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

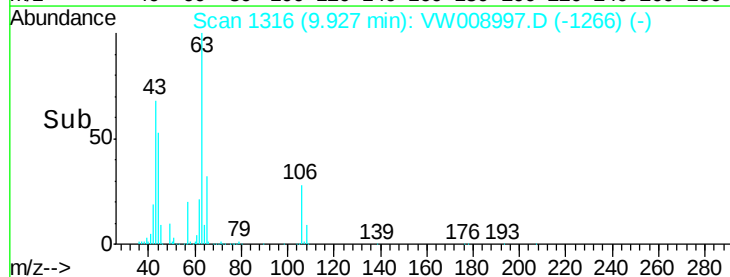
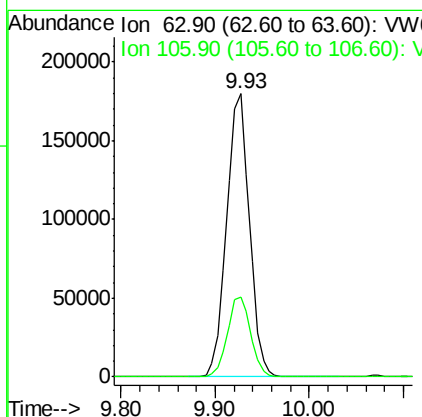
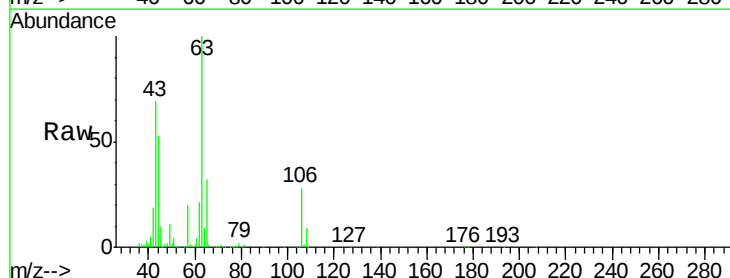
Instrument :
 MSVOA_W
 ClientSampled :

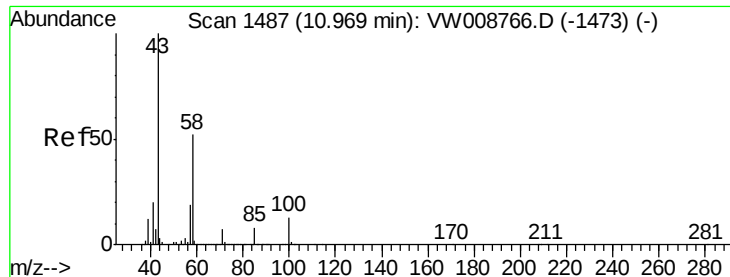
Tot Ion: 76 Resp: 172553
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.907 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion: 63 Resp: 302648
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.0 36.0





#59

2-Hexanone

Concen: 340.809 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

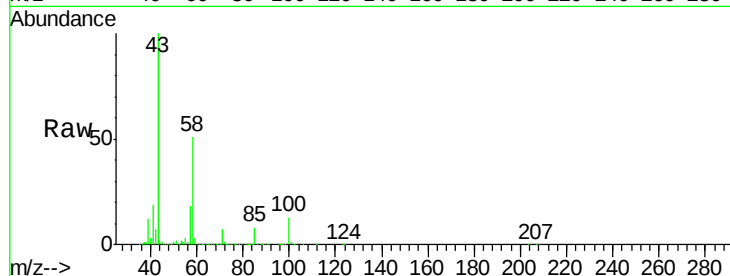
ClientSampleId :

Tot Ion: 43 Resp: 374327

Ion Ratio Lower Upper

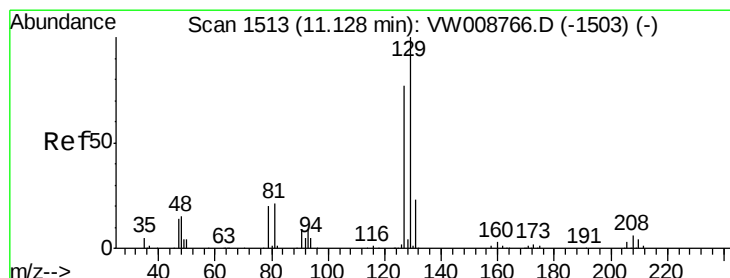
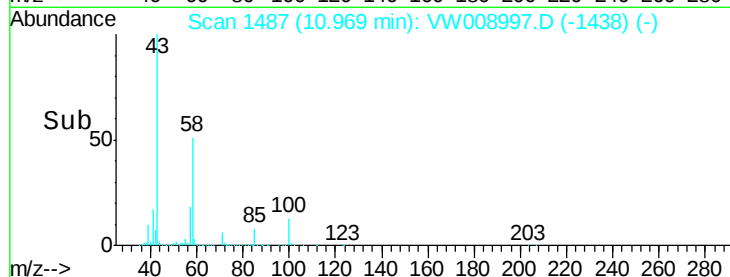
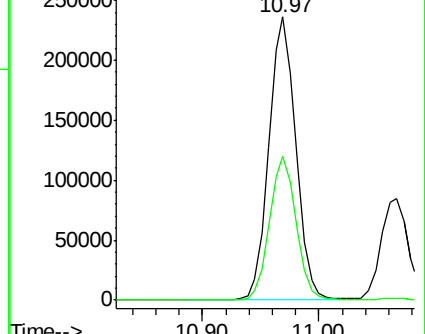
43 100

58 50.3 25.3 75.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 59.251 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008997.D

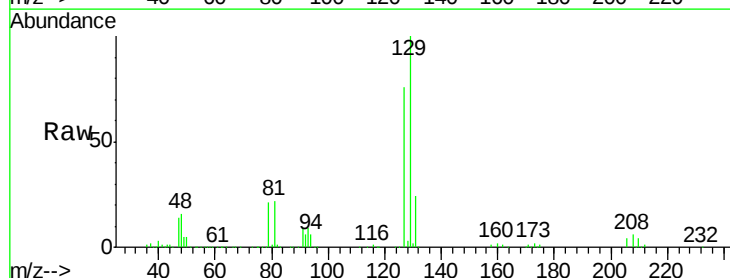
Acq: 05 Mar 2019 15:28

Tgt Ion: 129 Resp: 120448

Ion Ratio Lower Upper

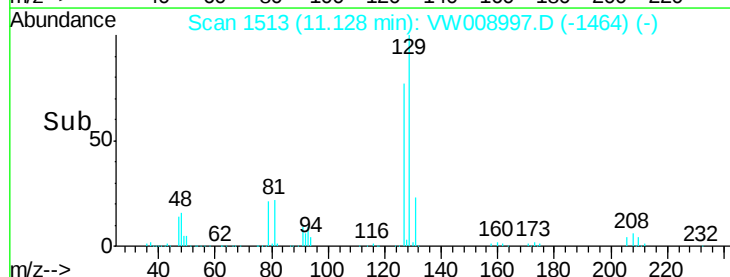
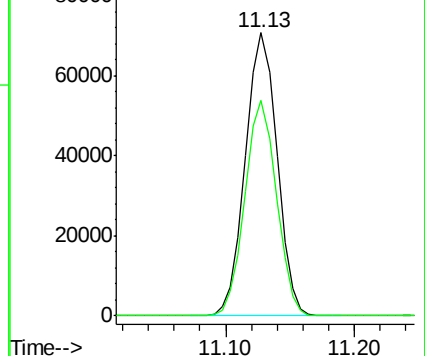
129 100

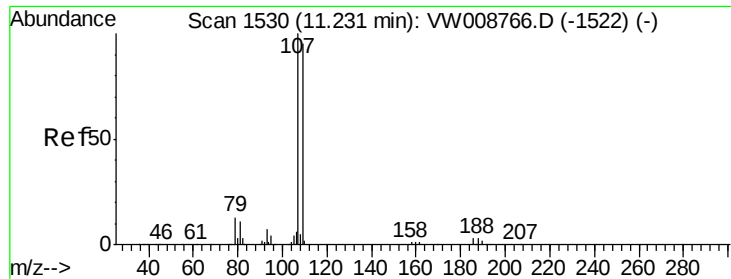
127 75.6 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

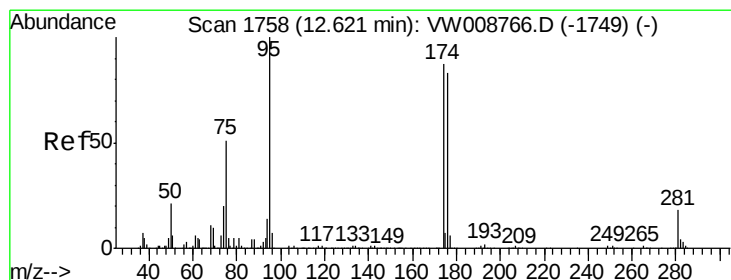
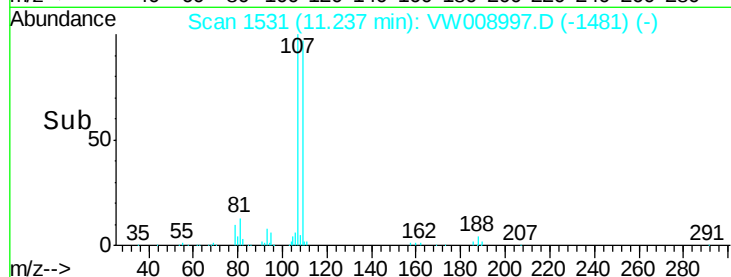
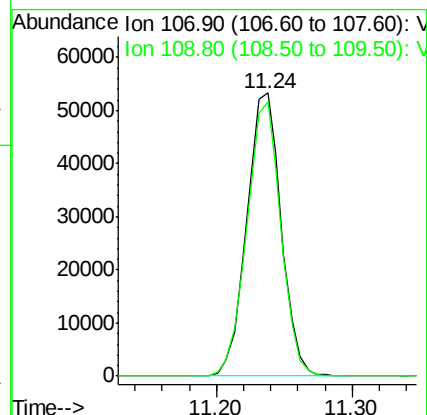
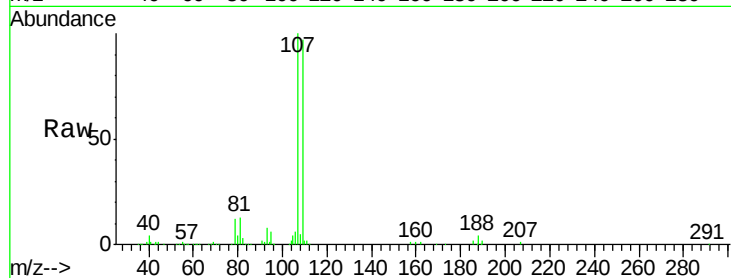




#61
 1,2-Dibromoethane
 Concen: 57.178 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

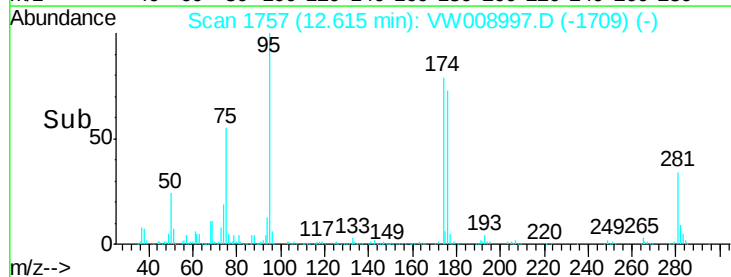
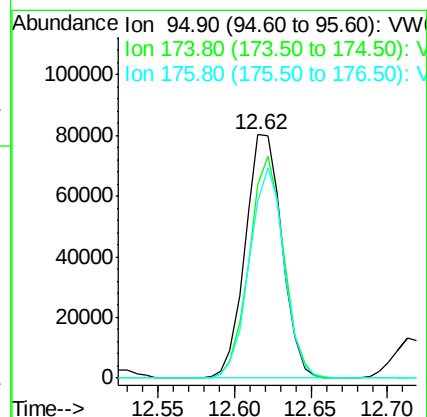
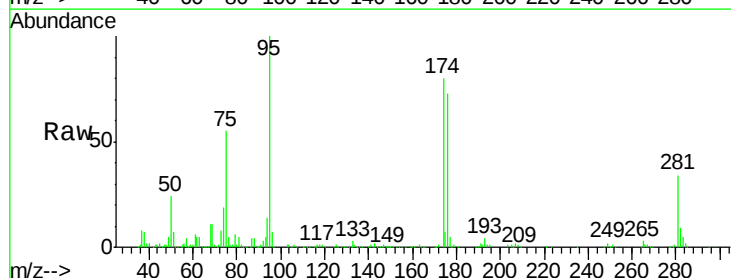
Instrument :
 MSVOA_W
 ClientSampleId :

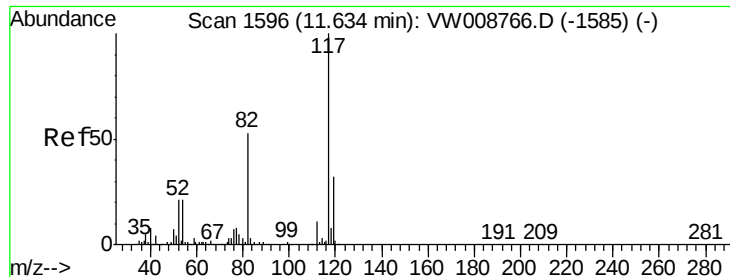
Tot Ion:107 Resp: 94327
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 43.846 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion: 95 Resp: 133854
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 169.2
 176 82.1 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

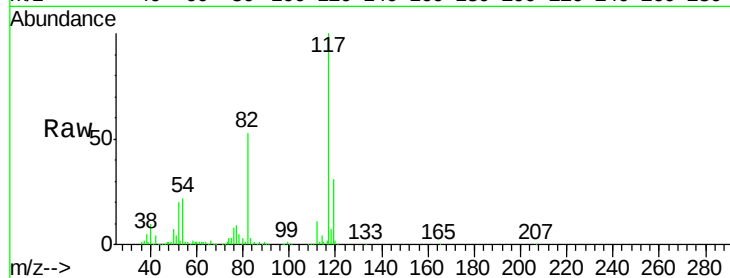
Tot Ion:117 Resp: 303695

Ion Ratio Lower Upper

117 100

82 52.9 42.2 63.4

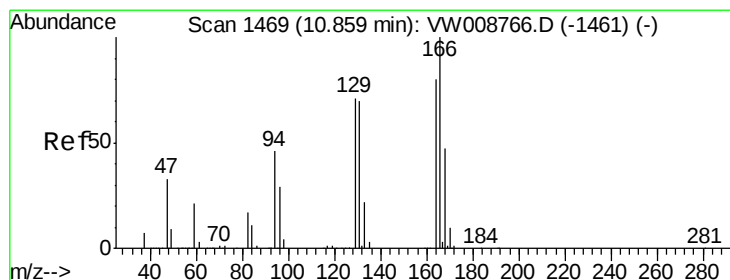
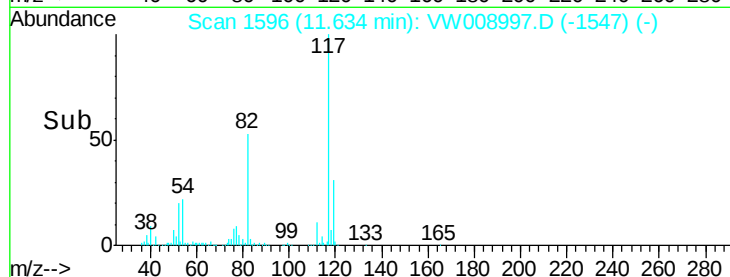
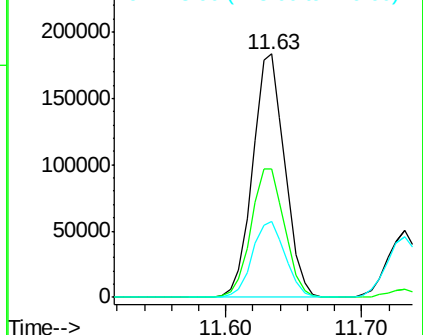
119 31.1 25.9 38.9



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: 51.561 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:164 Resp: 112088

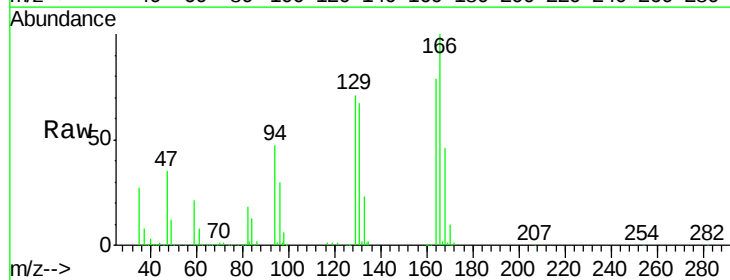
Ion Ratio Lower Upper

164 100

166 126.3 99.5 149.3

129 89.9 71.1 106.7

131 85.0 69.8 104.8

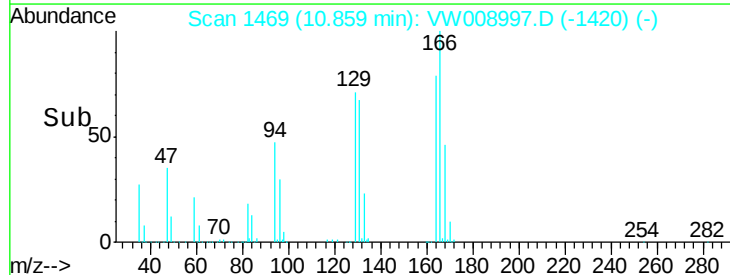
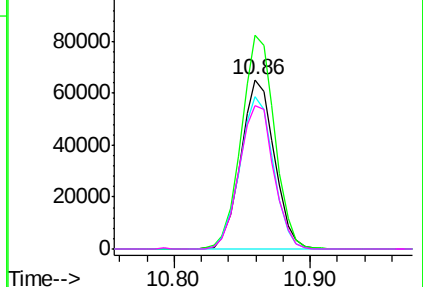


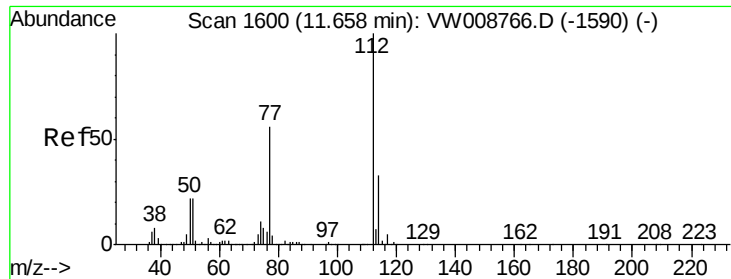
Abundance Ion 163.80 (163.50 to 164.50): V

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

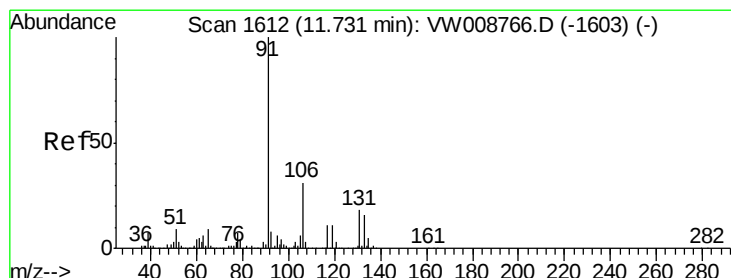
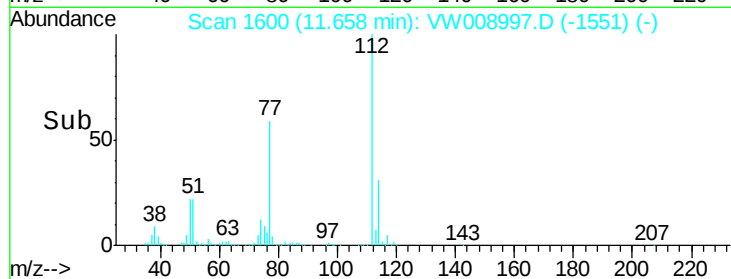
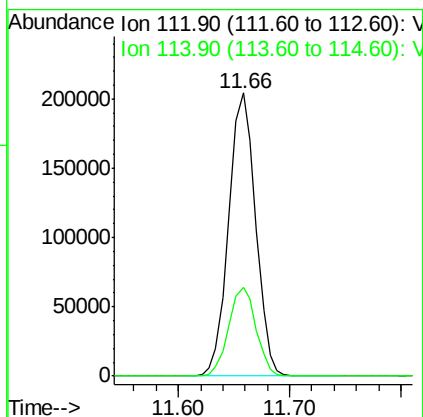
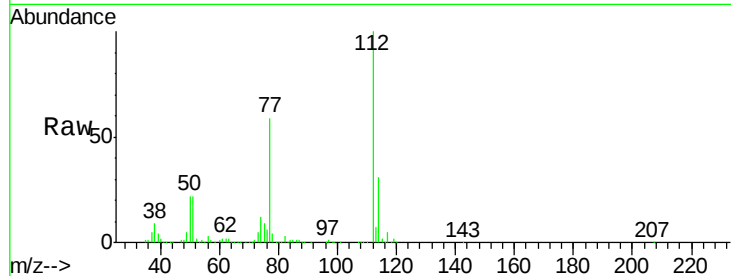




#65
Chlorobenzene
Concen: 53.705 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

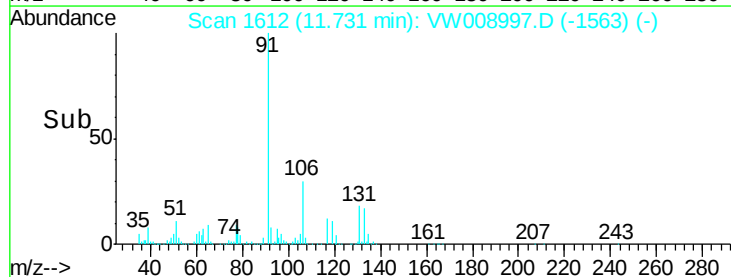
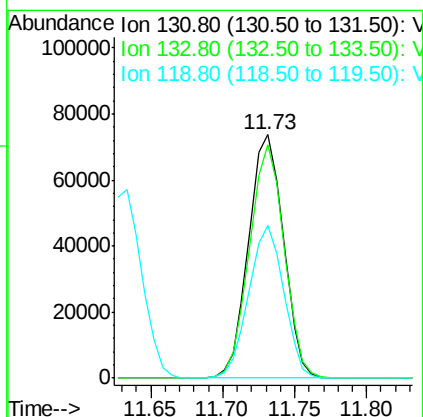
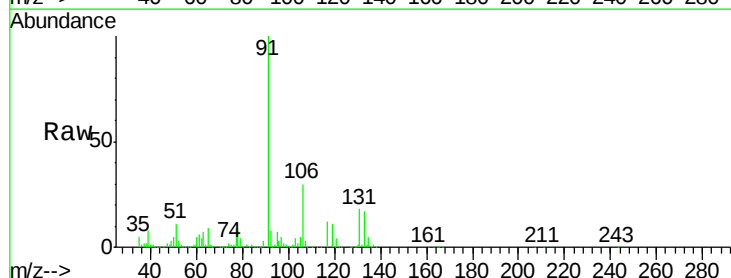
Instrument :
MSVOA_W
ClientSampleId :

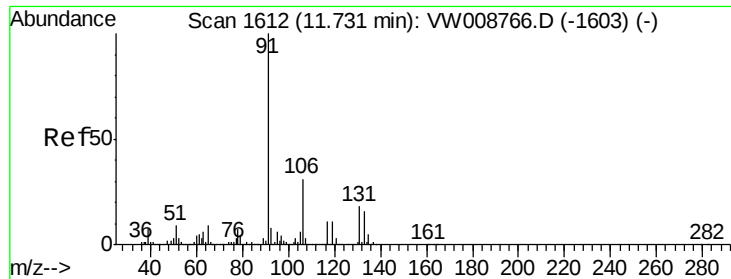
Tot Ion:112 Resp: 342950
Ion Ratio Lower Upper
112 100
114 31.4 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 57.345 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion:131 Resp: 123820
Ion Ratio Lower Upper
131 100
133 94.9 46.7 140.0
119 62.8 30.8 92.4

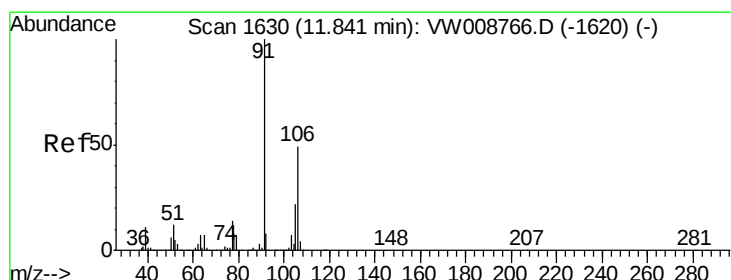
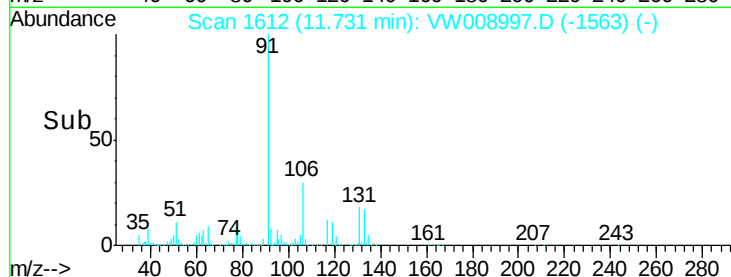
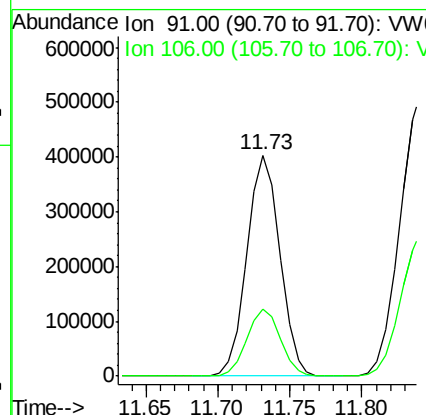
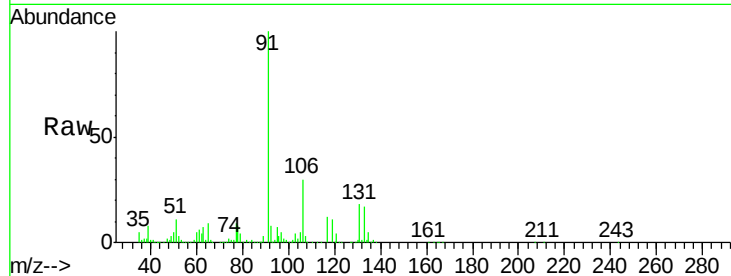




#67
Ethyl Benzene
Concen: 55.879 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

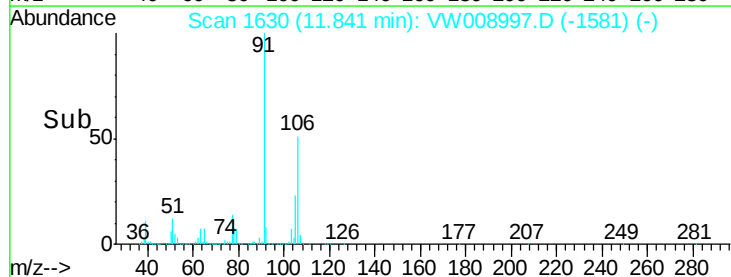
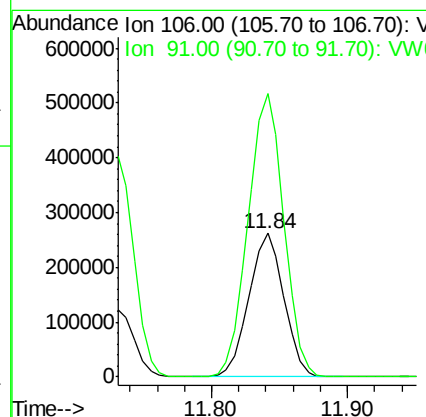
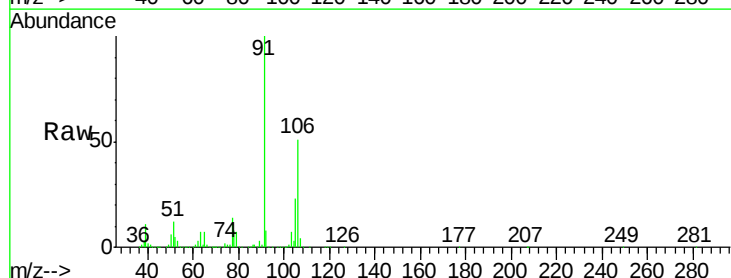
Instrument :
MSVOA_W
ClientSampled :

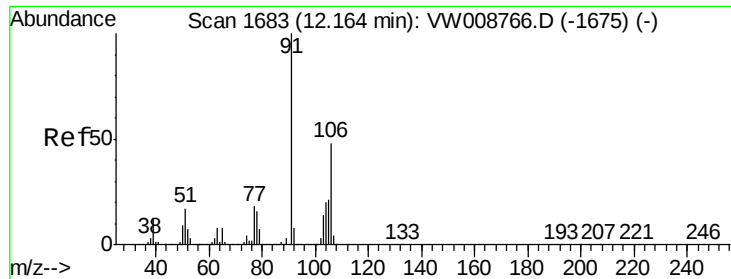
Tot Ion: 91 Resp: 637899
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6



#68
m/p-Xylenes
Concen: 103.713 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 106 Resp: 473050
Ion Ratio Lower Upper
106 100
91 200.9 161.5 242.3

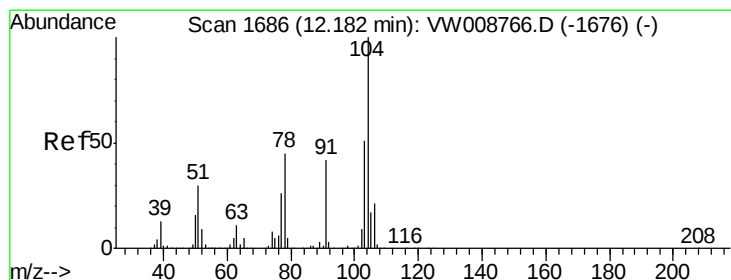
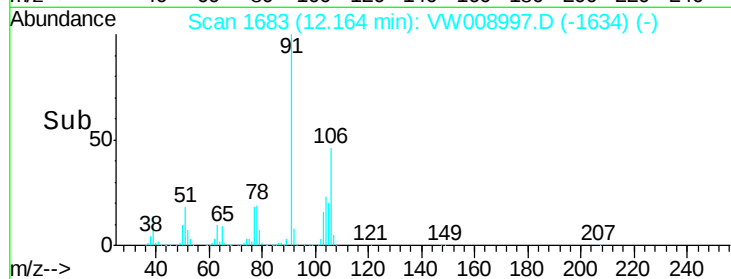
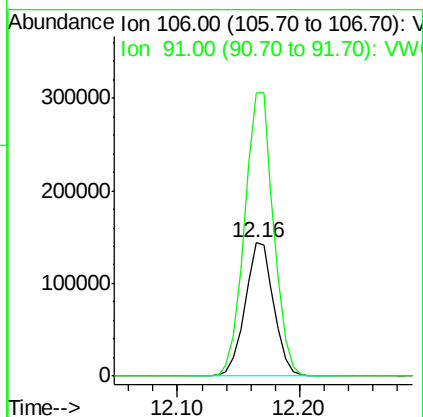
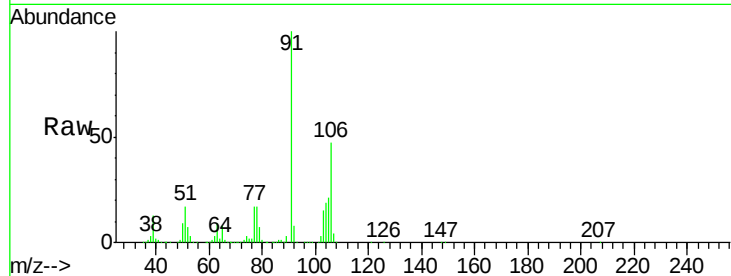




#69
o-Xylene
Concen: 54.379 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

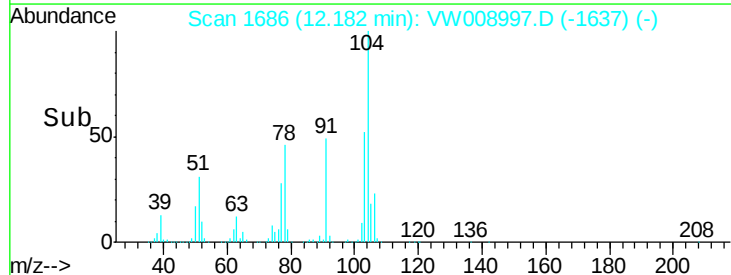
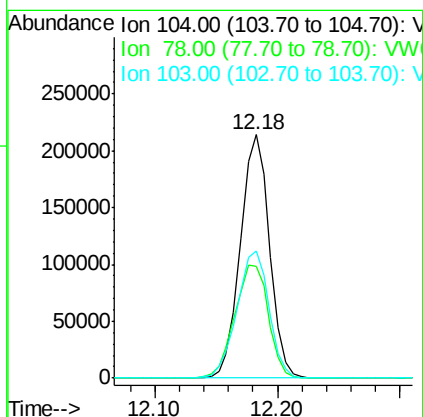
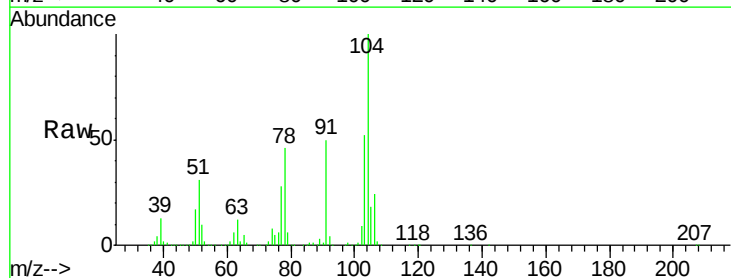
Instrument :
MSVOA_W
ClientSampled :

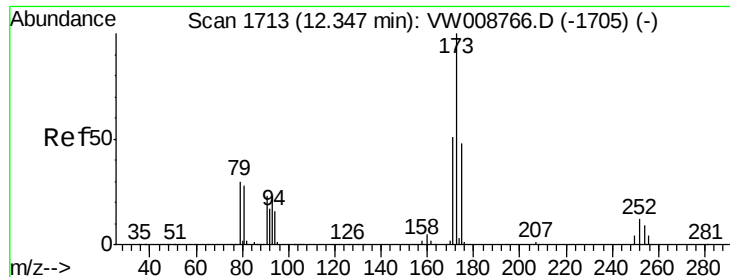
Tot Ion:106 Resp: 232806
Ion Ratio Lower Upper
106 100
91 215.8 106.2 318.6



#70
Styrene
Concen: 51.329 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion:104 Resp: 353538
Ion Ratio Lower Upper
104 100
78 53.7 40.8 61.2
103 57.4 44.2 66.2





#71

Bromoform

Concen: 61.942 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

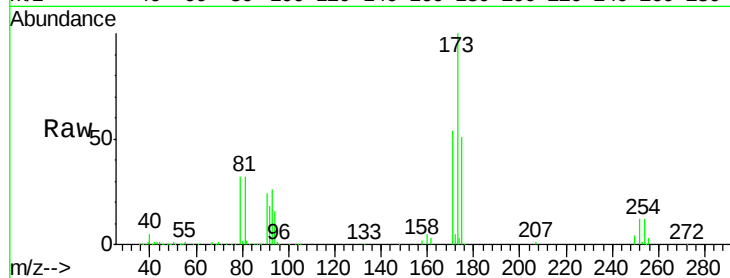
Tot Ion:173 Resp: 71892

Ion Ratio Lower Upper

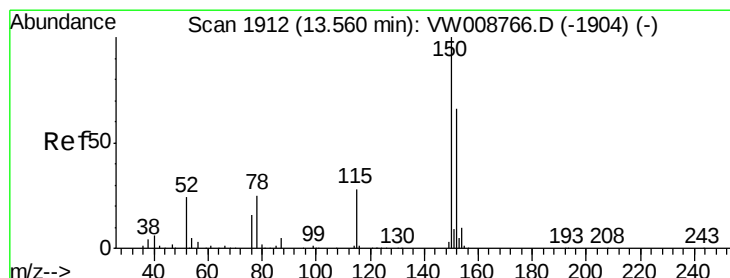
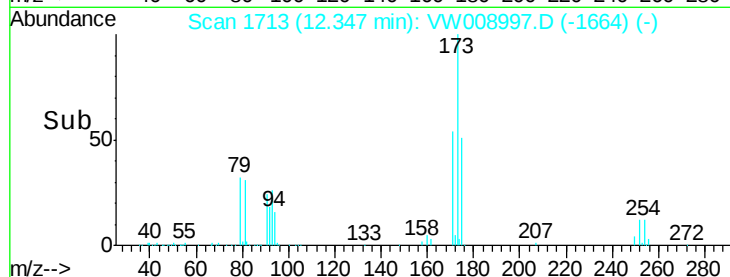
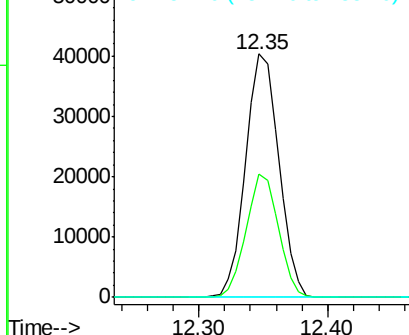
173 100

175 49.0 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: VW008997.D

Acq: 05 Mar 2019 15:28

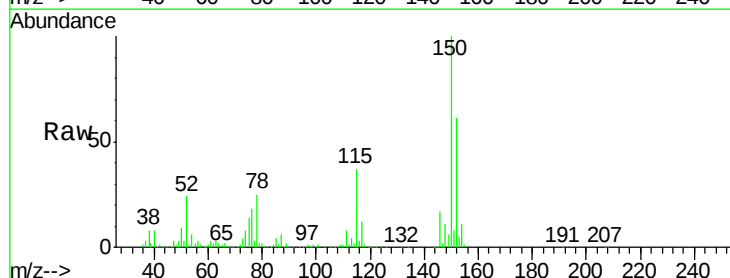
Tgt Ion:152 Resp: 137004

Ion Ratio Lower Upper

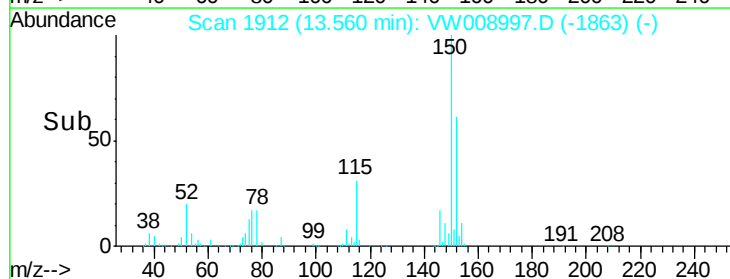
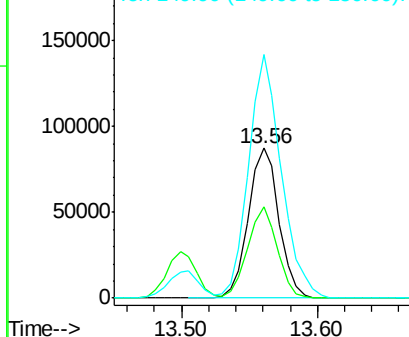
152 100

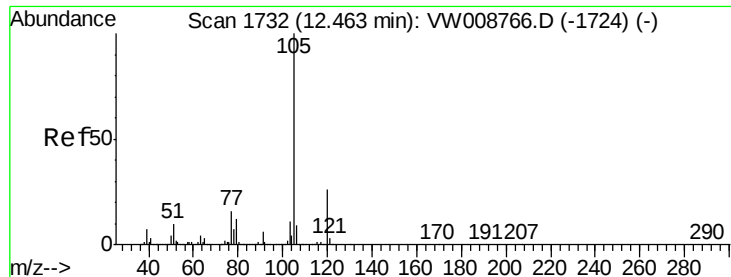
115 59.1 28.6 85.8

150 175.1 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: 65.352 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

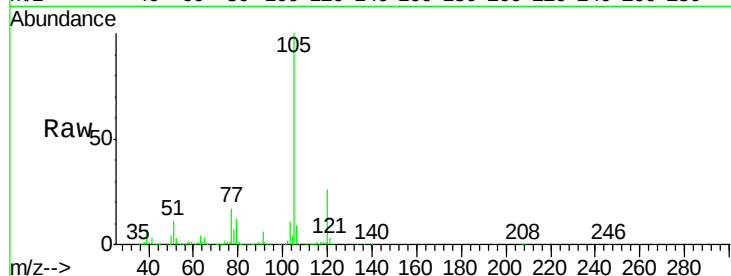
ClientSampleId :

Tot Ion:105 Resp: 613795

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

200000

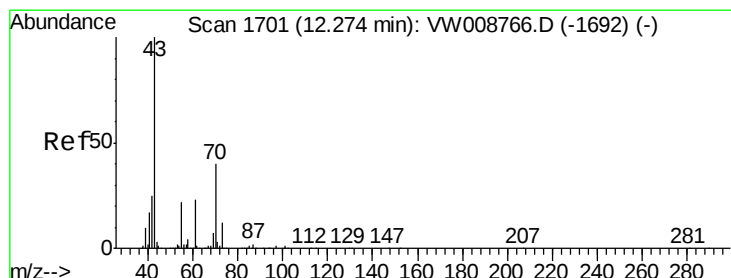
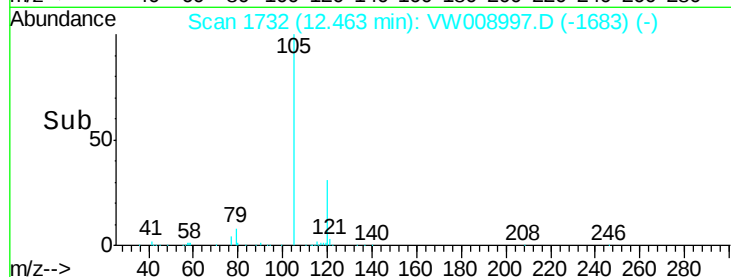
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 60.645 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion: 43 Resp: 143475

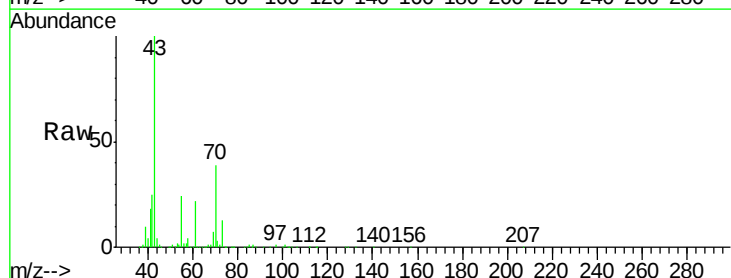
Ion Ratio Lower Upper

43 100

70 37.3 31.0 46.6

55 23.2 18.7 28.1

61 21.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

150000

100000

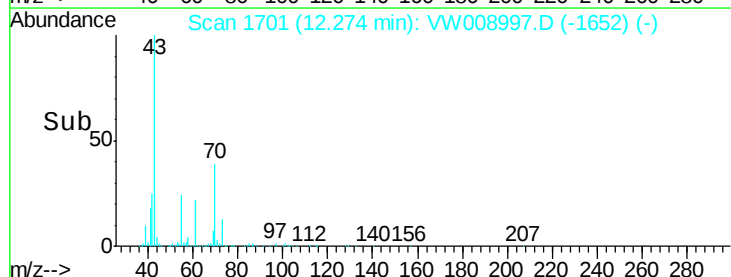
50000

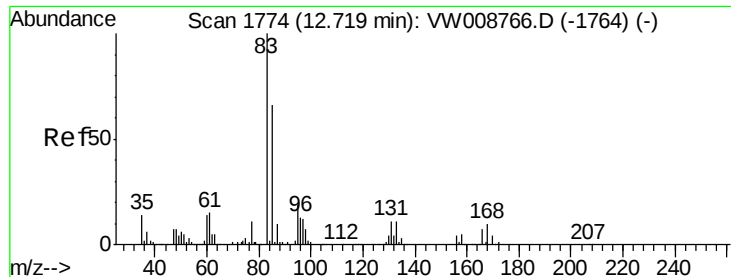
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 77.077 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

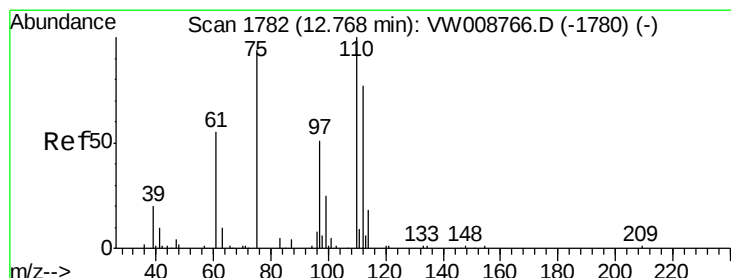
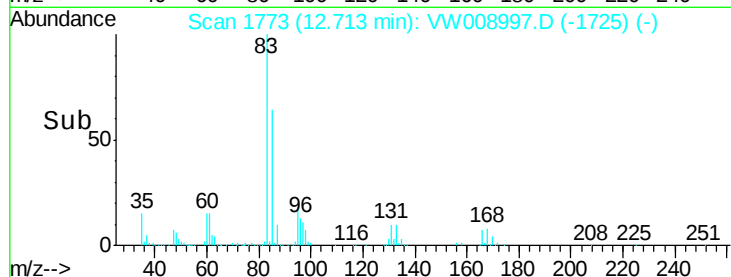
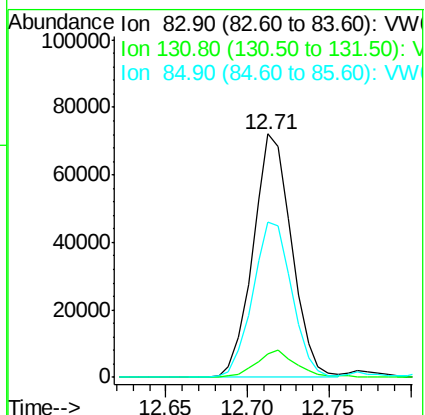
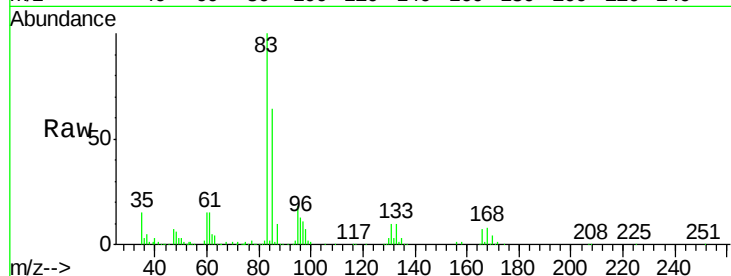
Tot Ion: 83 Resp: 118286

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

85 65.1 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 140.514 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008997.D

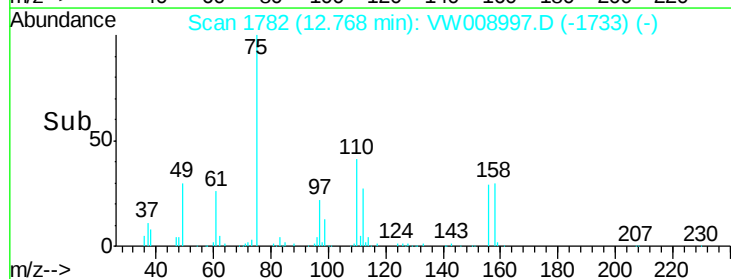
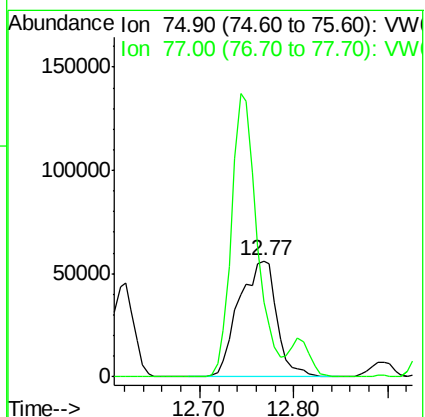
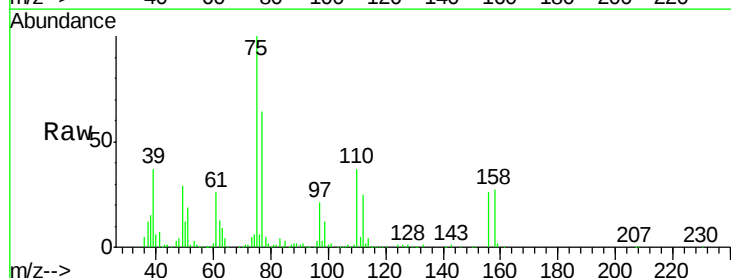
Acq: 05 Mar 2019 15:28

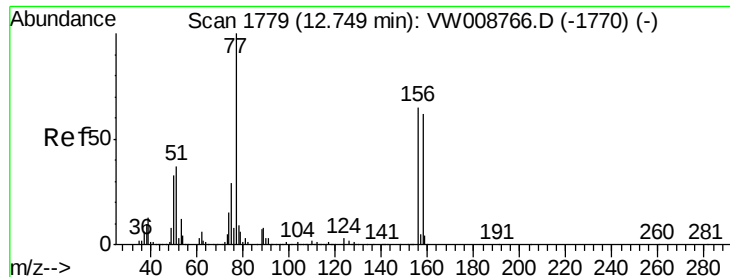
Tgt Ion: 75 Resp: 158943

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 62.603 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

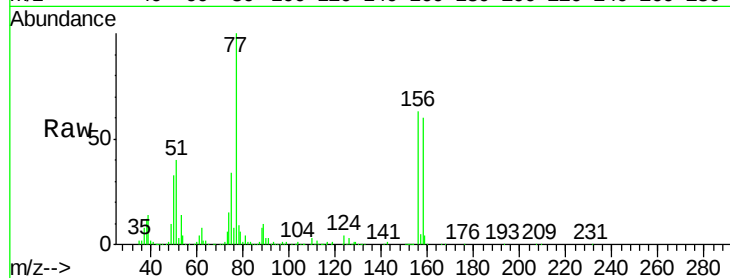
Tot Ion:156 Resp: 138945

Ion Ratio Lower Upper

156 100

77 186.4 89.1 267.4

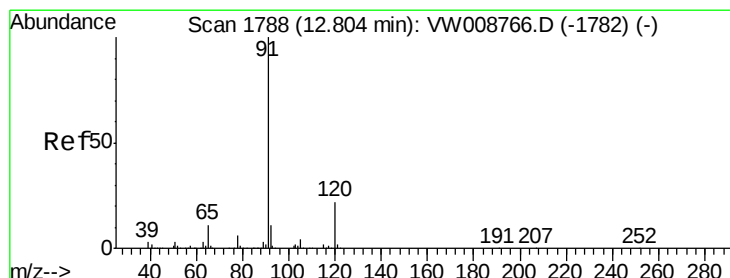
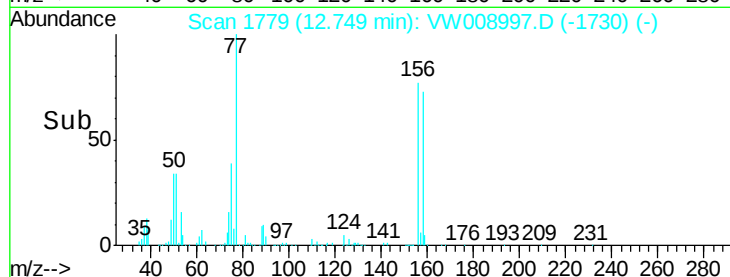
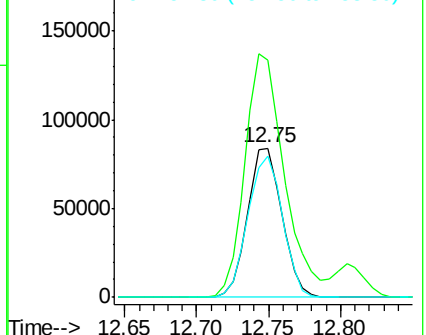
158 95.1 49.2 147.6



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: 61.539 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008997.D

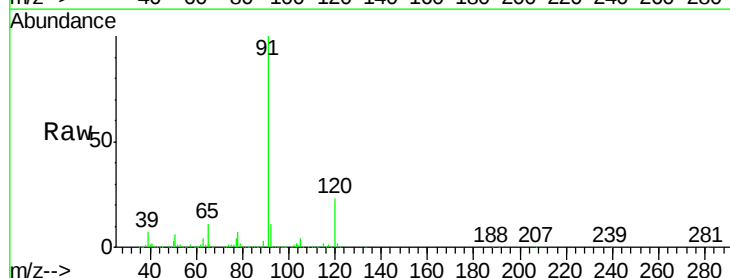
Acq: 05 Mar 2019 15:28

Tgt Ion: 91 Resp: 707012

Ion Ratio Lower Upper

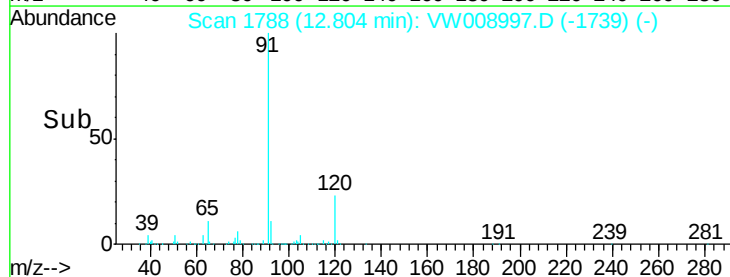
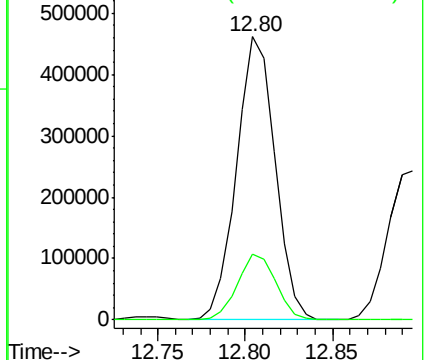
91 100

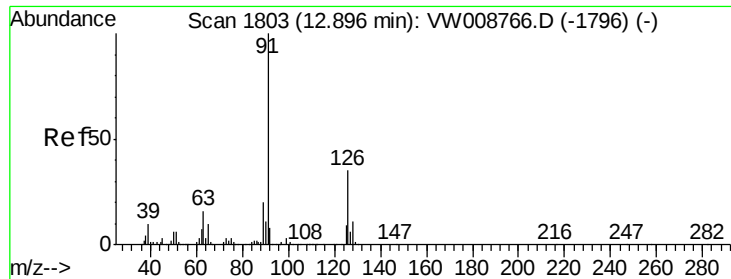
120 23.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

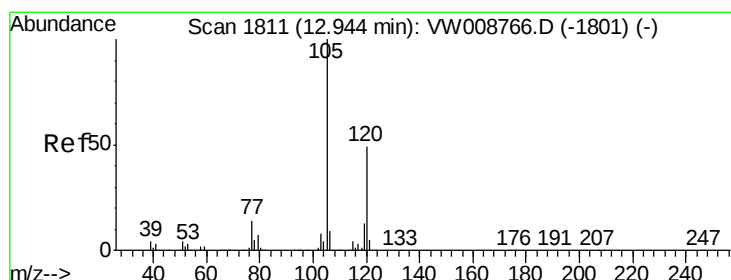
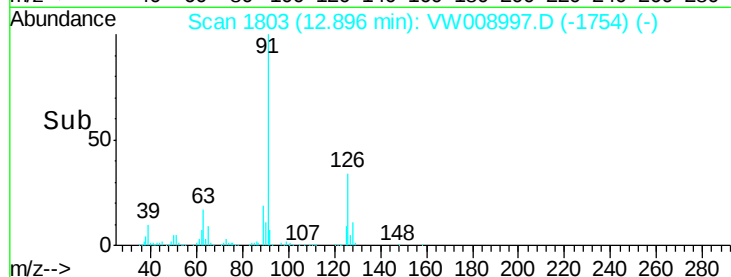
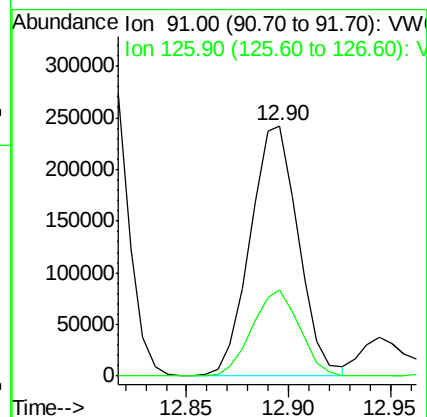
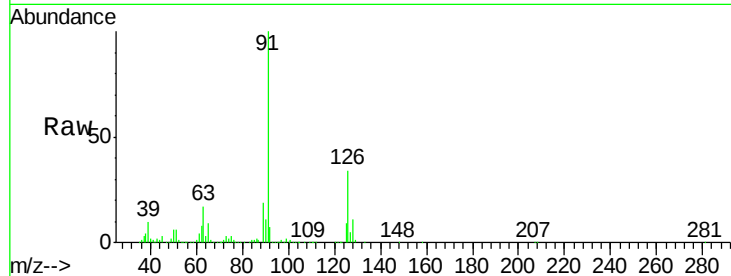




#79
 2-Chlorotoluene
 Concen: 60.920 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

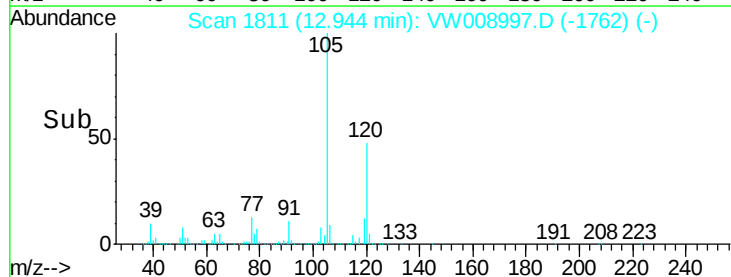
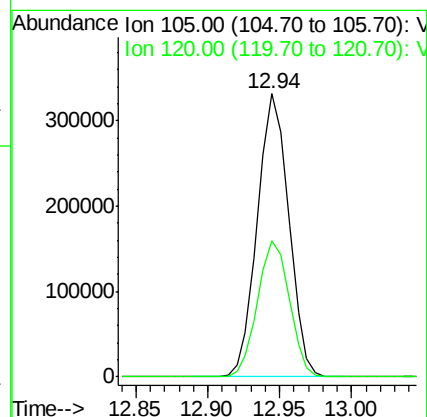
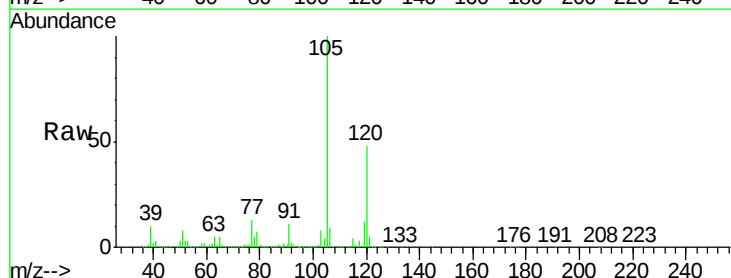
Instrument :
 MSVOA_W
 ClientSampleId :

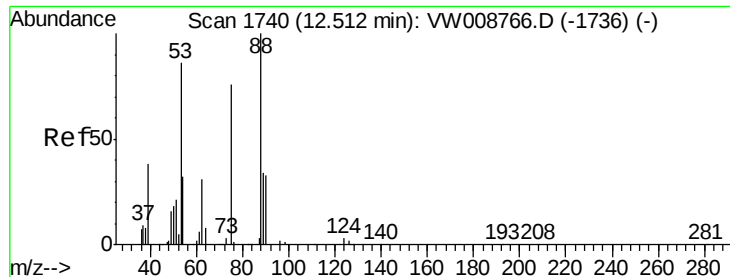
Tot Ion: 91 Resp: 397376
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 61.209 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion: 105 Resp: 499584
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 77.990 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

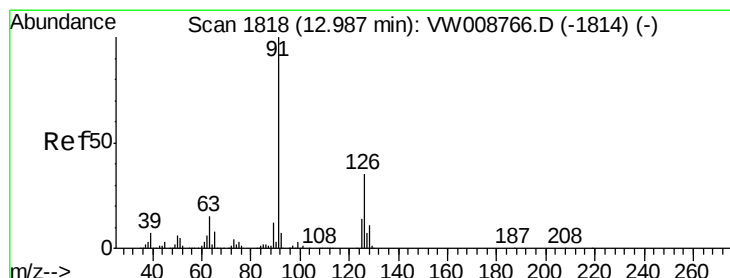
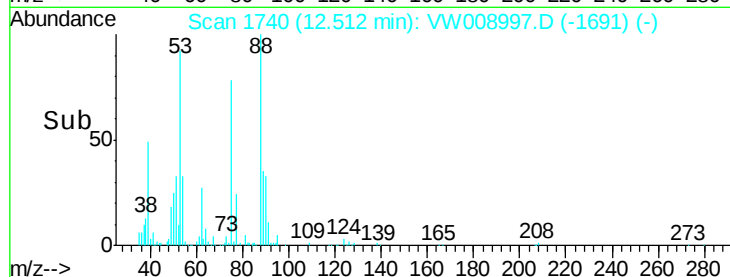
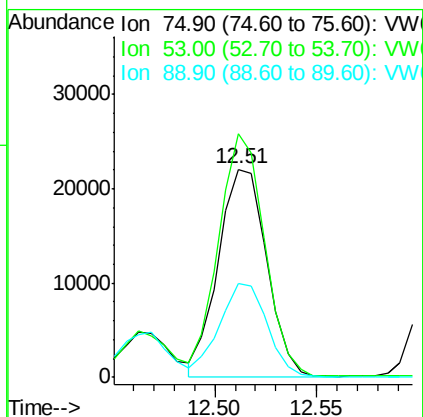
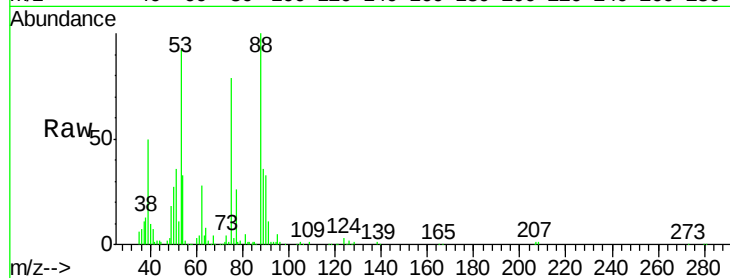
Tot Ion: 75 Resp: 36288

Ion Ratio Lower Upper

75 100

53 110.9 88.2 132.2

89 44.8 39.5 59.3



#82

4-Chlorotoluene

Concen: 58.687 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW008997.D

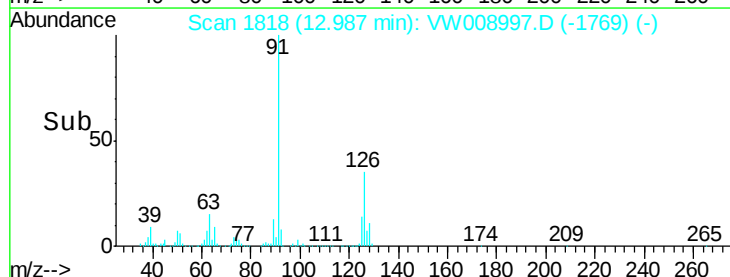
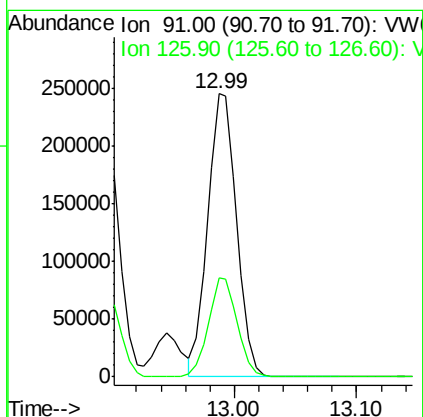
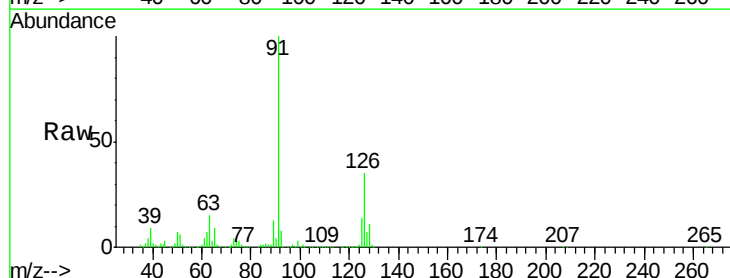
Acq: 05 Mar 2019 15:28

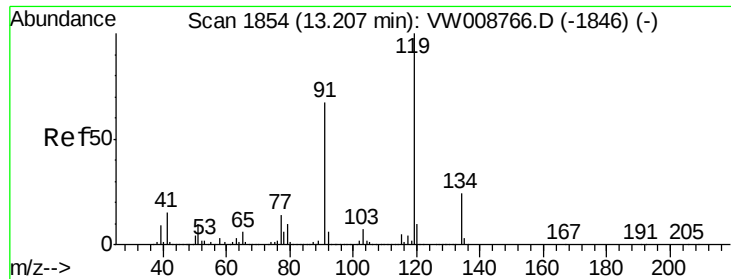
Tgt Ion: 91 Resp: 403400

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 59.622 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

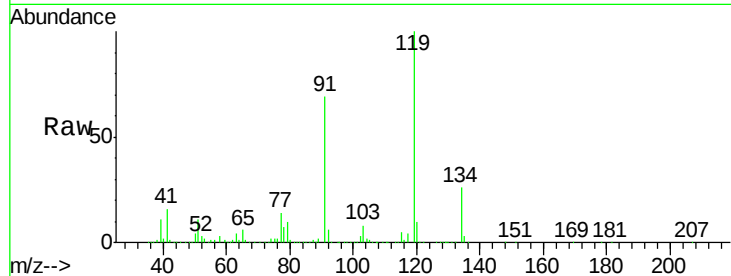
Tot Ion:119 Resp: 420778

Ion Ratio Lower Upper

119 100

91 67.7 33.6 100.8

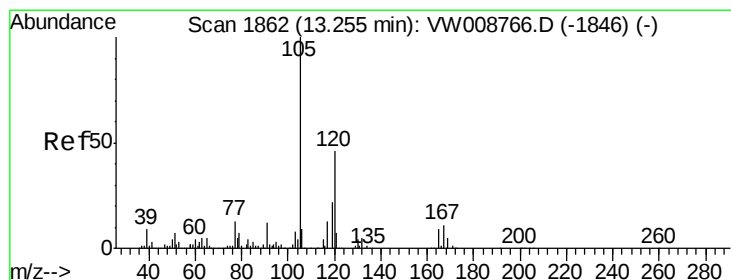
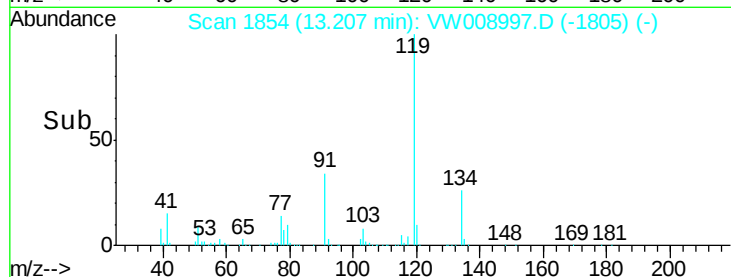
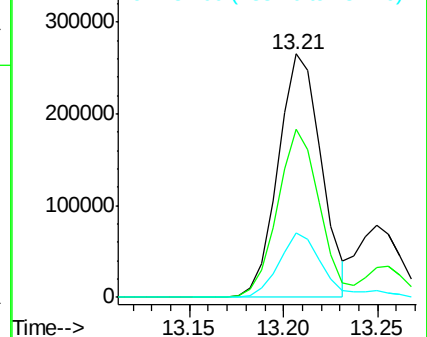
134 27.9 13.7 41.1



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: 54.134 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008997.D

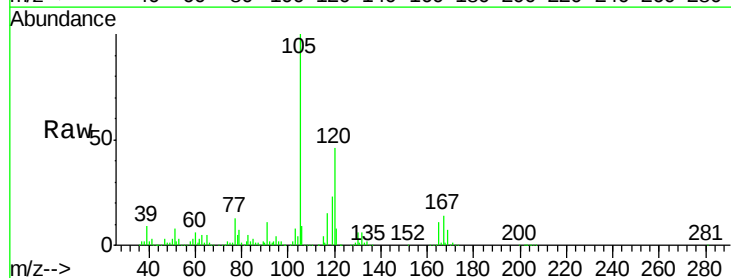
Acq: 05 Mar 2019 15:28

Tgt Ion:105 Resp: 457376

Ion Ratio Lower Upper

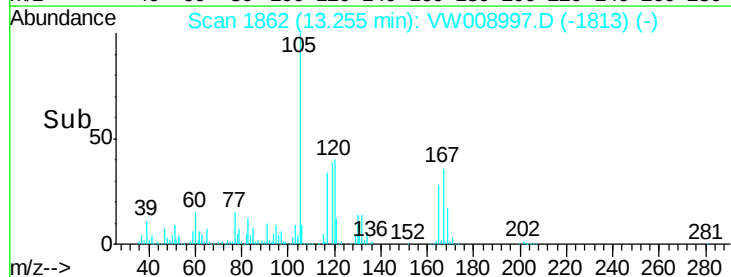
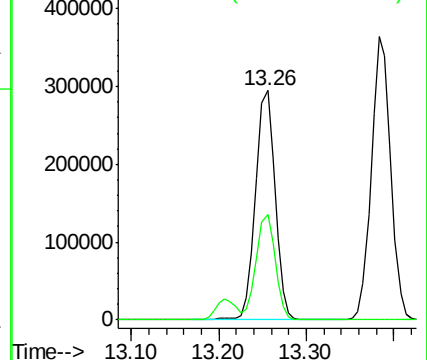
105 100

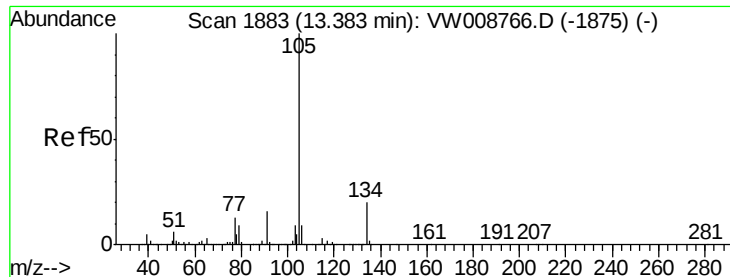
120 45.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.384 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

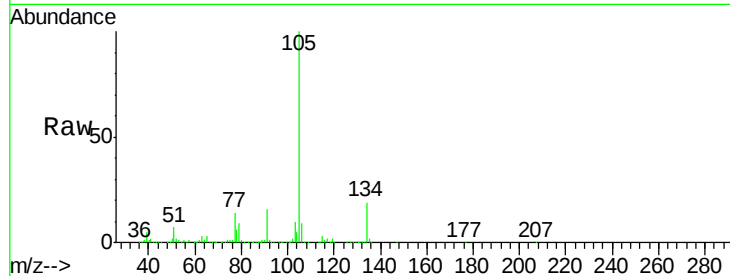
ClientSampled :

Tot Ion:105 Resp: 562023

Ion Ratio Lower Upper

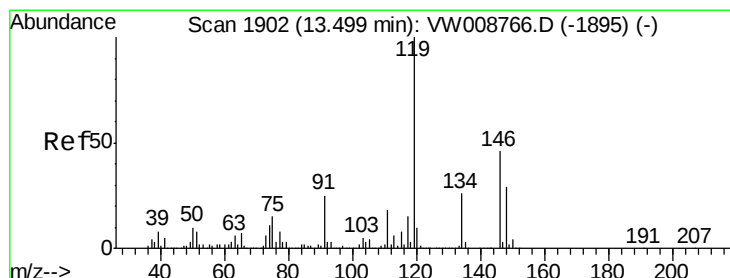
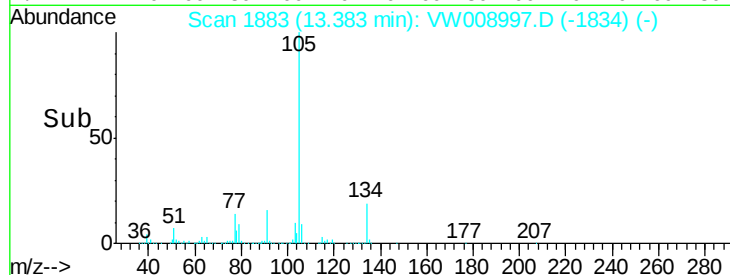
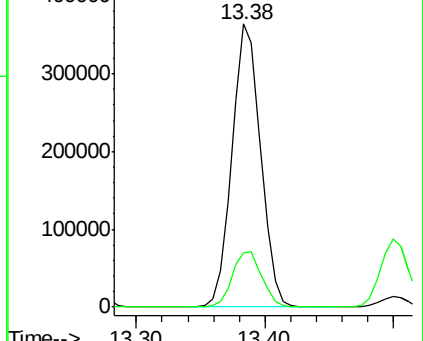
105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.020 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

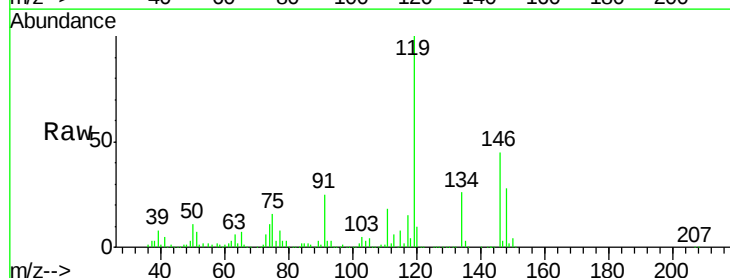
Tgt Ion:119 Resp: 502543

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

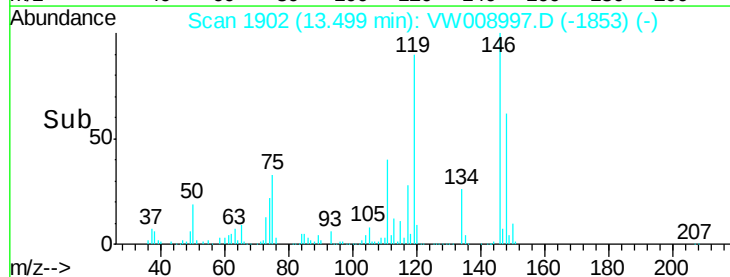
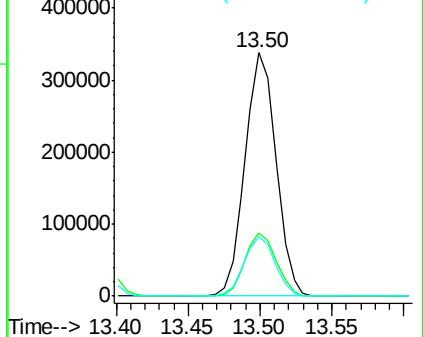
91 24.5 12.1 36.3

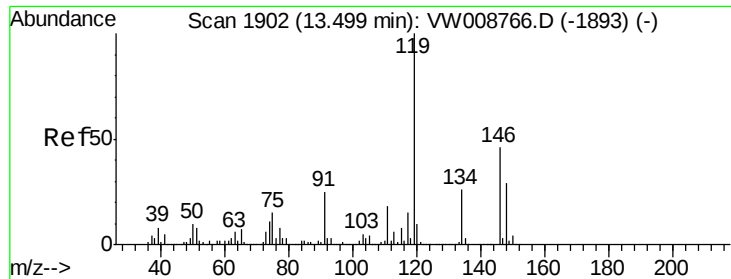


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

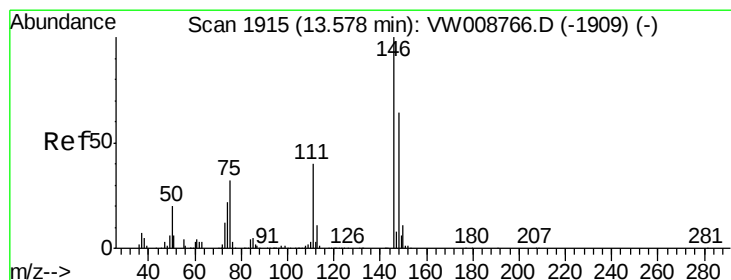
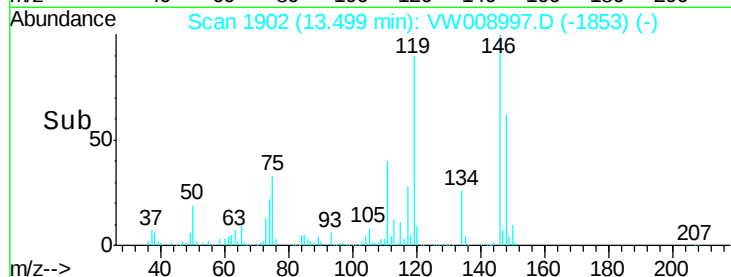
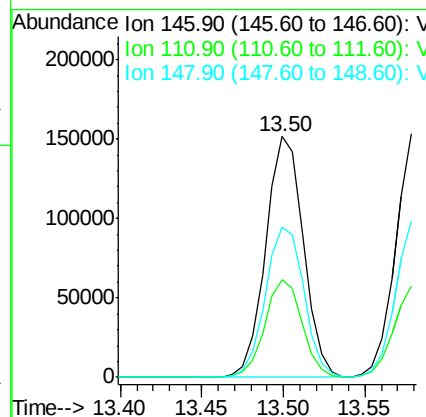
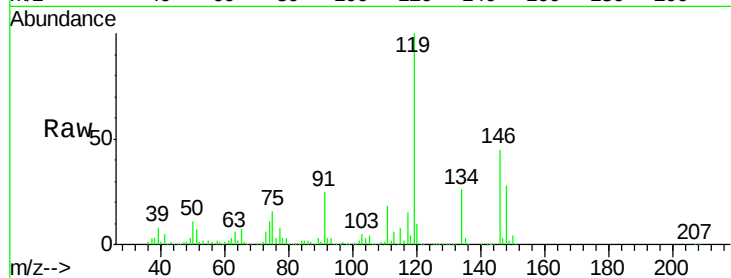




#87
 1,3-Dichlorobenzene
 Concen: 52.942 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

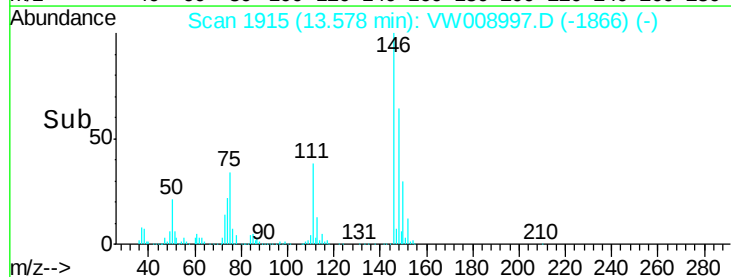
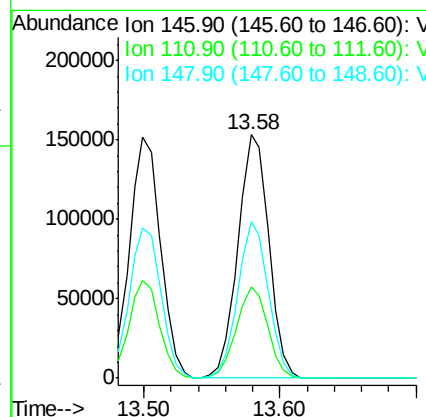
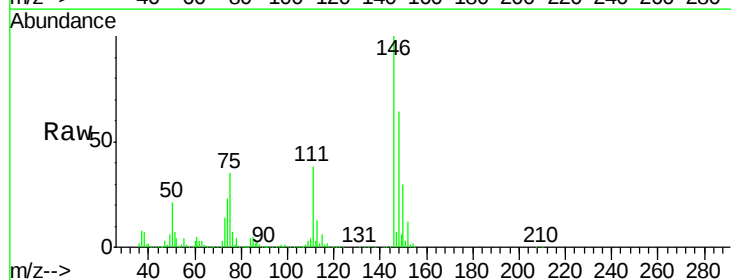
Instrument :
 MSVOA_W
 ClientSampled :

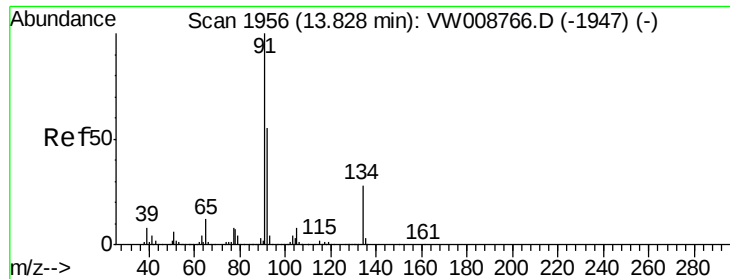
Tot Ion:146 Resp: 243793
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.9 59.7
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 53.526 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion:146 Resp: 242928
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.3 57.9
 148 63.5 31.9 95.9





#89

n-Butylbenzene

Concen: 47.982 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

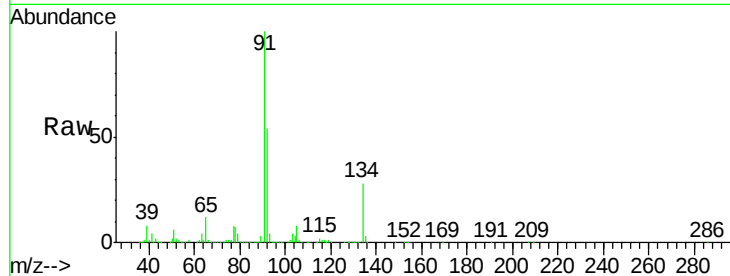
Tot Ion: 91 Resp: 418177

Ion Ratio Lower Upper

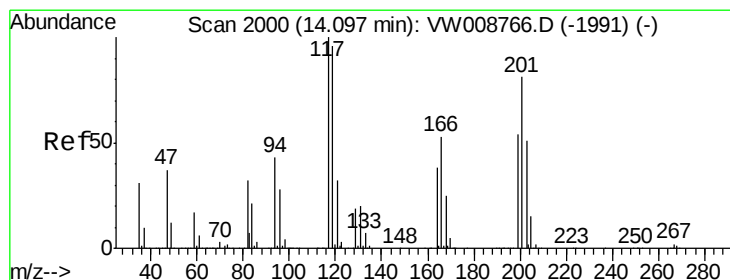
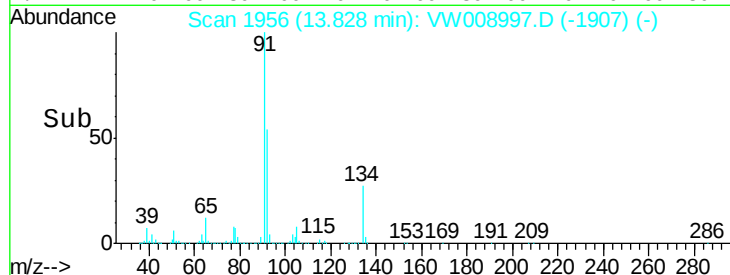
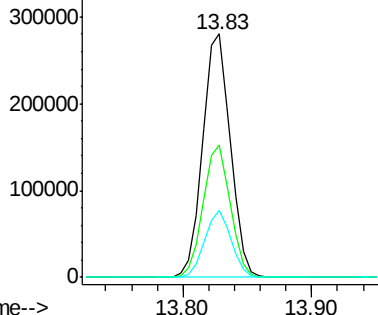
91 100

92 53.5 26.8 80.4

134 26.3 13.5 40.4



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



#90

Hexachloroethane

Concen: 55.818 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008997.D

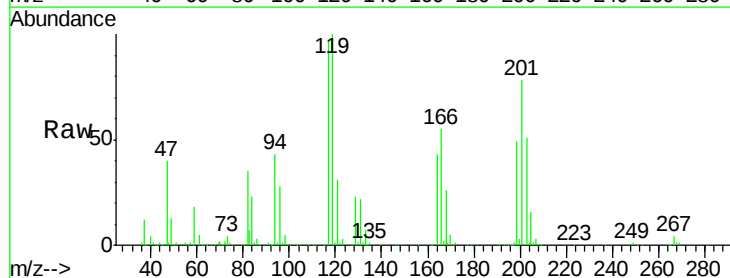
Acq: 05 Mar 2019 15:28

Tgt Ion: 117 Resp: 85007

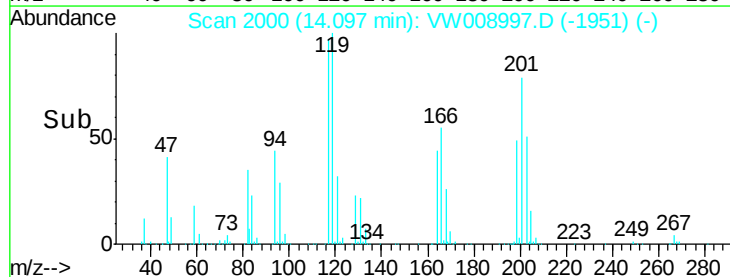
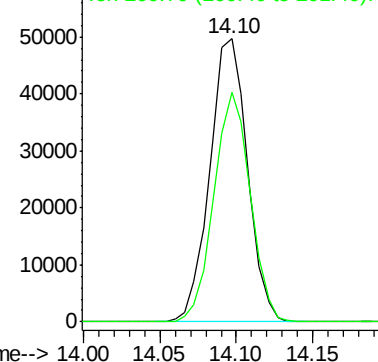
Ion Ratio Lower Upper

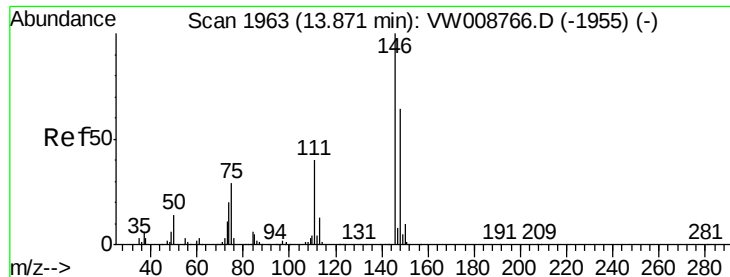
117 100

201 78.3 40.3 120.8



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





#91

1,2-Dichlorobenzene

Concen: 54.311 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

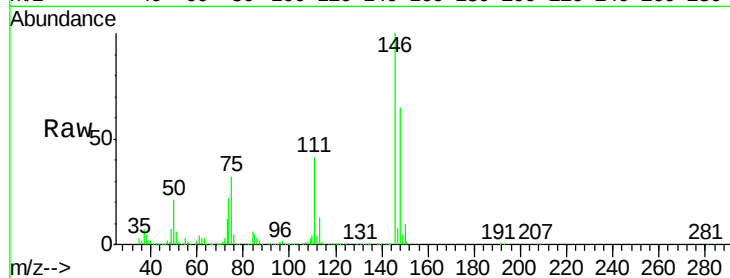
Tot Ion:146 Resp: 222842

Ion Ratio Lower Upper

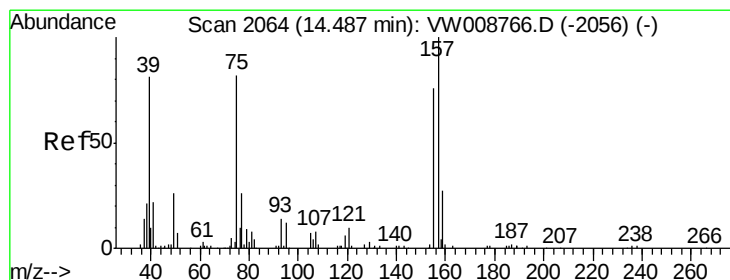
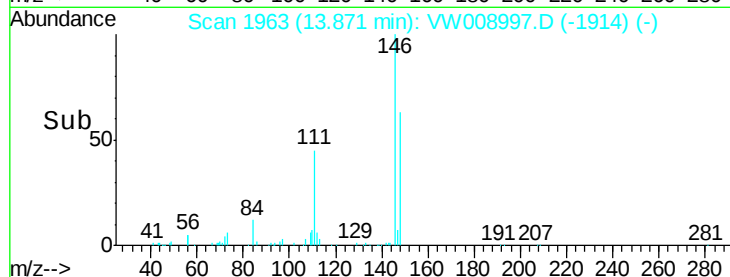
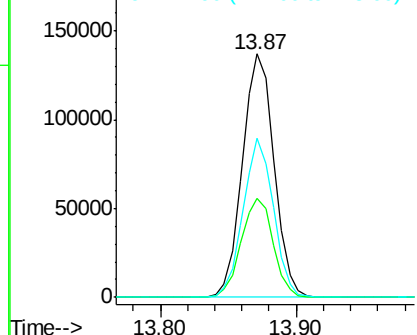
146 100

111 40.8 20.3 60.8

148 62.5 32.5 97.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 81.172 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

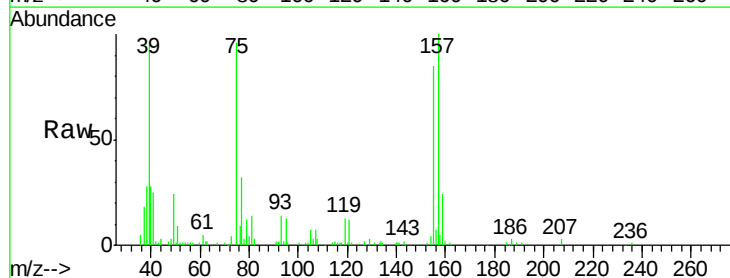
Tgt Ion: 75 Resp: 22534

Ion Ratio Lower Upper

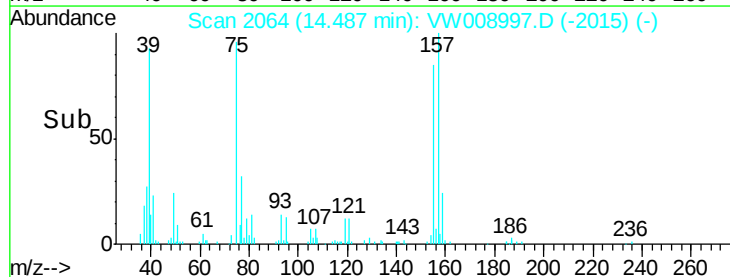
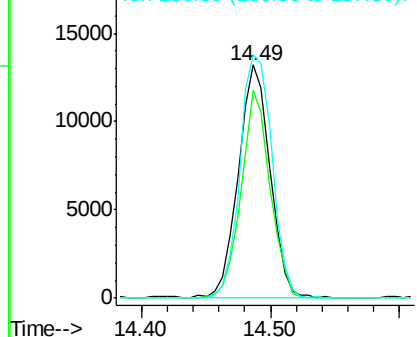
75 100

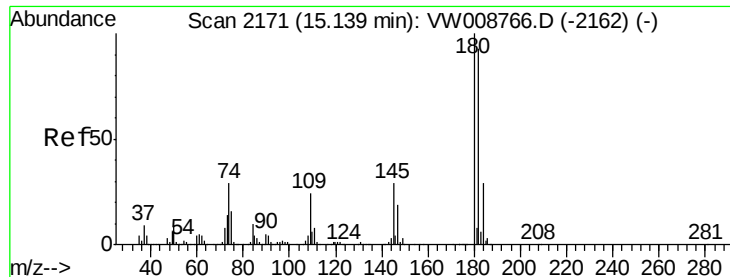
155 81.1 41.8 125.4

157 104.8 56.6 169.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

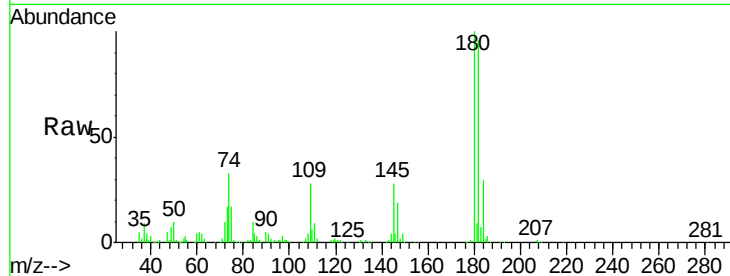




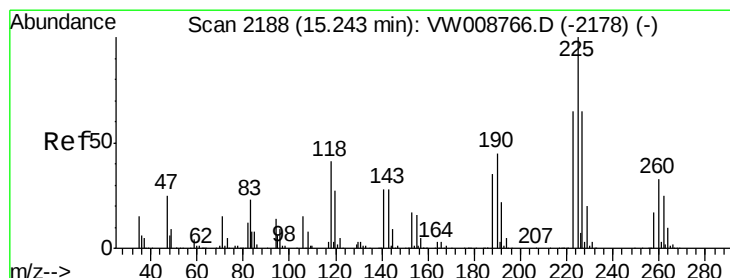
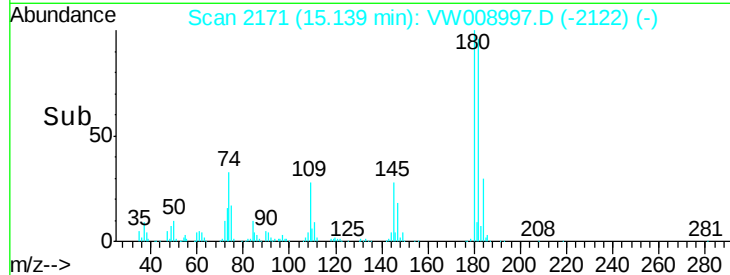
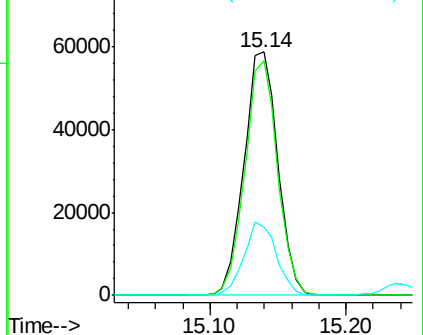
#93
 1,2,4-Trichlorobenzene
 Concen: 34.597 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.2	141.6
145	29.0	14.4	43.0

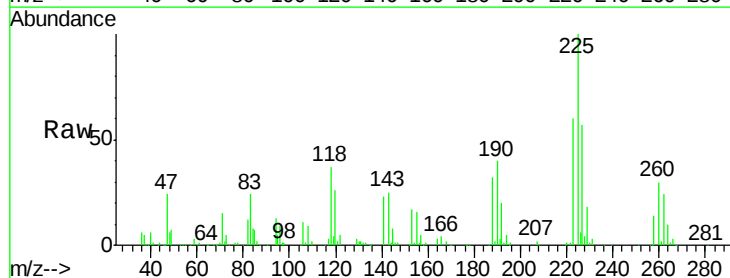


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

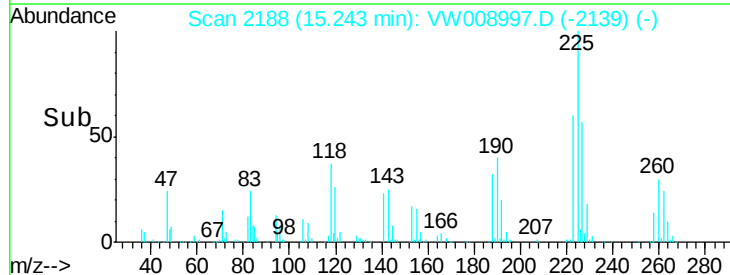
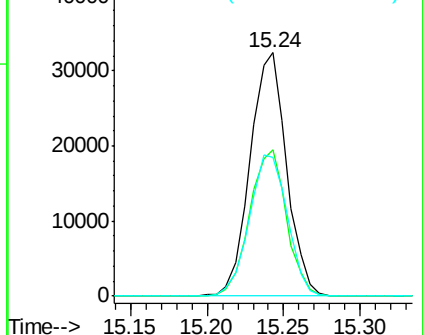


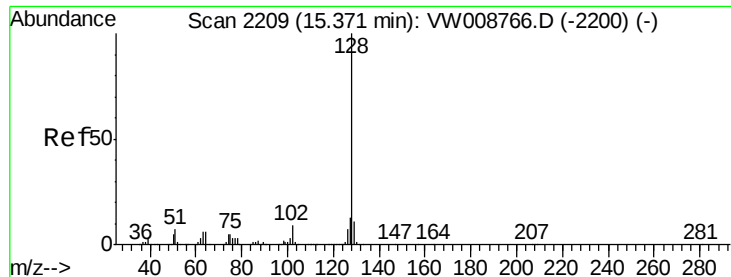
#94
 Hexachlorobutadiene
 Concen: 30.858 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.5	94.5
227	60.7	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

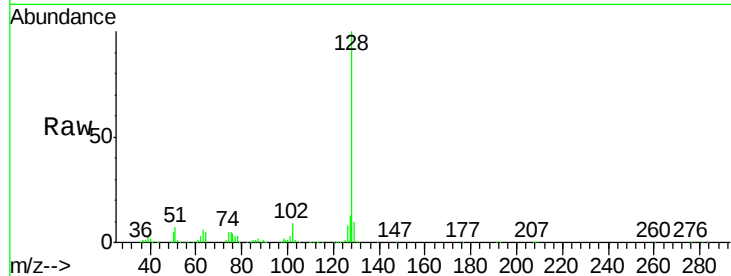




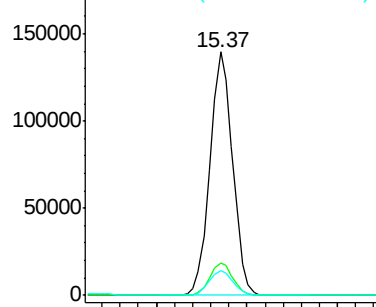
#95
Naphthalene
Concen: 47.930 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampled :

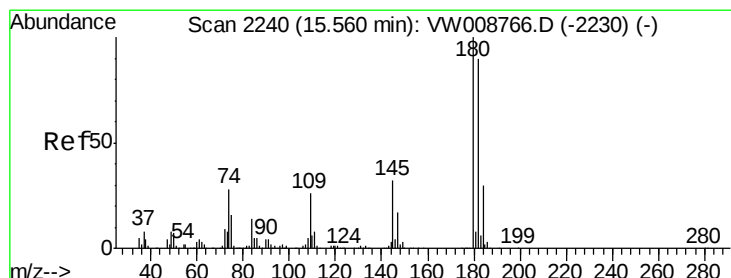
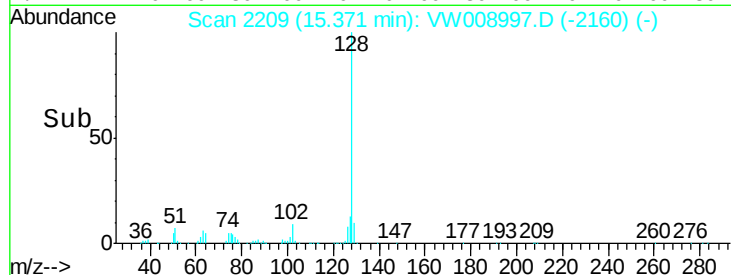
Tot Ion:128 Resp: 241252
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

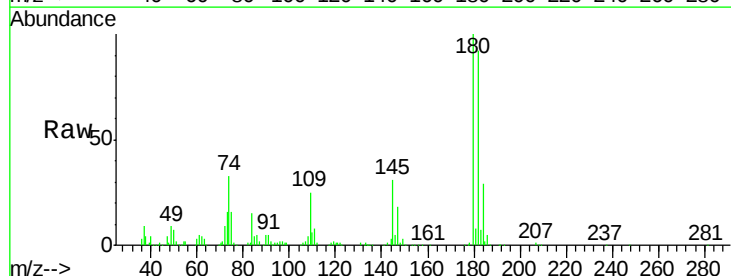


Time-->

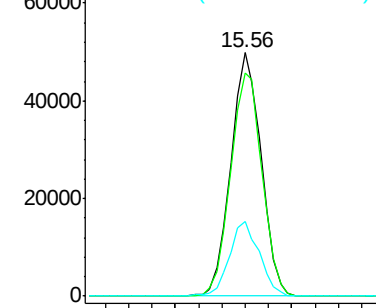


#96
1,2,3-Trichlorobenzene
Concen: 35.132 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion:180 Resp: 89800
Ion Ratio Lower Upper
180 100
182 94.9 46.9 140.8
145 30.6 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

