

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003710.D
 Acq On : 03 Jul 2018 20:36
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 05 02:41:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	358329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180286	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	135503	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.88	113	117040	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.33	98	466836	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.62	95	169259	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	57529	47.416	ug/l	94
3) Chloromethane	2.21	50	95679	53.310	ug/l	99
4) Vinyl Chloride	2.36	62	135522	55.343	ug/l	99
5) Bromomethane	2.78	94	88396	55.057	ug/l	97
6) Chloroethane	2.92	64	78792	53.475	ug/l	99
7) Trichlorofluoromethane	3.25	101	61300	47.075	ug/l	98
8) Diethyl Ether	3.67	74	63507	52.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	113505	52.452	ug/l	100
10) Methyl Iodide	4.26	142	173259	54.525	ug/l	99
11) Tert butyl alcohol	5.21	59	45596	271.268	ug/l	97
12) 1,1-Dichloroethene	4.03	96	113109	52.443	ug/l	97
13) Acrolein	3.89	56	27179	333.246	ug/l	96
14) Allyl chloride	4.66	41	199782	54.160	ug/l	99
15) Acrylonitrile	5.37	53	152723	273.299	ug/l	100
16) Acetone	4.14	43	145247	226.522	ug/l	99
17) Carbon Disulfide	4.37	76	360919	55.742	ug/l	100
18) Methyl Acetate	4.67	43	71904	51.590	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	231763	55.013	ug/l	100
20) Methylene Chloride	4.91	84	131230	53.668	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	127885	54.139	ug/l	99
22) Diisopropyl ether	6.31	45	422238	55.831	ug/l	99
23) Vinyl Acetate	6.26	43	1316052	256.284	ug/l	99
24) 1,1-Dichloroethane	6.21	63	241102	53.458	ug/l	99
25) 2-Butanone	7.18	43	217129	264.458	ug/l	96
26) 2,2-Dichloropropane	7.17	77	132018	47.740	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	139236	54.128	ug/l	99
28) Bromochloromethane	7.51	49	104325	52.623	ug/l	99
29) Tetrahydrofuran	7.54	42	137929	280.249	ug/l	99
30) Chloroform	7.68	83	244045	53.513	ug/l	97
31) Cyclohexane	7.95	56	212625	51.778	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	188913	53.213	ug/l	99
36) 1,1-Dichloropropene	8.08	75	194689	54.125	ug/l	100
37) Ethyl Acetate	7.26	43	95713	54.666	ug/l	99
38) Carbon Tetrachloride	8.07	117	181813	53.133	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	225866	54.527	ug/l	99
40) Benzene	8.32	78	545075	53.914	ug/l	100
41) Methacrylonitrile	7.49	41	56555	56.828	ug/l	95
42) 1,2-Dichloroethane	8.40	62	172065	54.051	ug/l	99
43) Isopropyl Acetate	8.43	43	183821	55.744	ug/l	99
44) Trichloroethene	9.09	130	139882	53.522	ug/l	99
45) 1,2-Dichloropropane	9.37	63	140312	53.500	ug/l	96
46) Dibromomethane	9.46	93	73432	53.914	ug/l	99
47) Bromodichloromethane	9.65	83	181824	54.003	ug/l	99
48) Methyl methacrylate	9.44	41	88285	50.619	ug/l	100
49) 1,4-Dioxane	9.47	88	24008	1123.639	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	490423	282.239	ug/l	99
52) Toluene	10.39	92	345352	54.738	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	189248	54.179	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	212204	53.586	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102782	53.563	ug/l	97
56) Ethyl methacrylate	10.65	69	138557	50.818	ug/l	97
57) 1,3-Dichloropropane	10.93	76	183034	54.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	288153	280.938	ug/l	100
59) 2-Hexanone	10.98	43	345332	278.020	ug/l	98
60) Dibromochloromethane	11.13	129	122252	54.498	ug/l	98
61) 1,2-Dibromoethane	11.24	107	100609	54.739	ug/l	98
64) Tetrachloroethene	10.87	164	128768	56.558	ug/l	96
65) Chlorobenzene	11.66	112	376322	53.138	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	131098	52.969	ug/l	98
67) Ethyl Benzene	11.74	91	679410	54.753	ug/l	99
68) m/p-Xylenes	11.84	106	515112	109.164	ug/l	99
69) o-Xylene	12.17	106	241819	55.435	ug/l	99
70) Styrene	12.19	104	412864	56.350	ug/l	99
71) Bromoform	12.35	173	74776	54.374	ug/l #	100
73) Isopropylbenzene	12.47	105	663170	54.077	ug/l	99
74) N-amyl acetate	12.28	43	182681	56.414	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	126878	52.894	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	171706	105.924	ug/l #	100
77) Bromobenzene	12.76	156	155096	52.697	ug/l	98
78) n-propylbenzene	12.81	91	824931	54.451	ug/l	99
79) 2-Chlorotoluene	12.90	91	467534	54.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	569046	54.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	39859	52.102	ug/l	99
82) 4-Chlorotoluene	12.99	91	499022	54.528	ug/l	98
83) tert-Butylbenzene	13.21	119	478462	54.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	587538	55.011	ug/l	99
85) sec-Butylbenzene	13.39	105	700414	53.786	ug/l	100
86) p-Isopropyltoluene	13.51	119	622942	54.691	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	315912	52.888	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	310464	52.013	ug/l	99
89) n-Butylbenzene	13.83	91	605015	53.726	ug/l	99
90) Hexachloroethane	14.10	117	112572	53.198	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	280984	52.610	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22351	53.478	ug/l	100

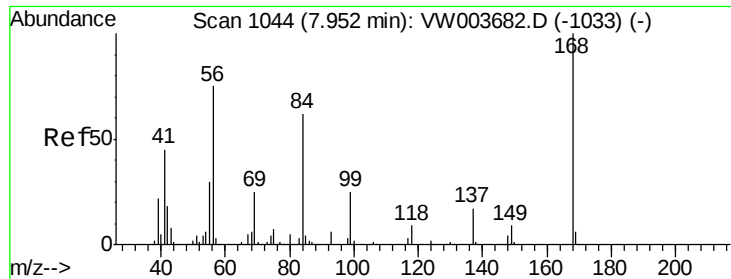
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	196682	52.227	ug/l	99
94) Hexachlorobutadiene	15.25	225	110967	51.019	ug/l	99
95) Naphthalene	15.38	128	378168	55.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	175678	52.369	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

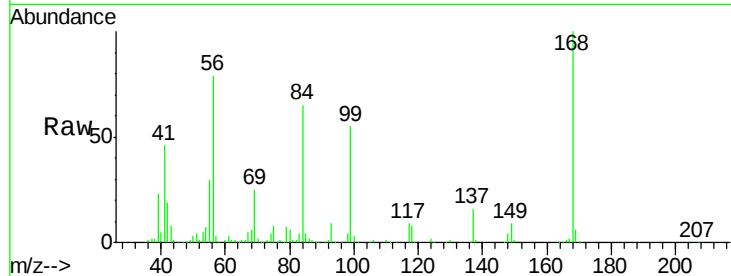
VSTDCCC050EC

Tgt Ion:168 Resp: 225310

Ion Ratio Lower Upper

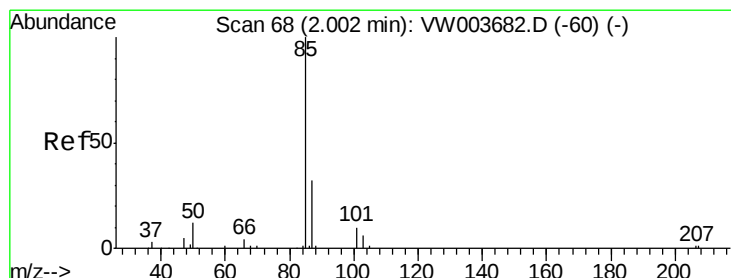
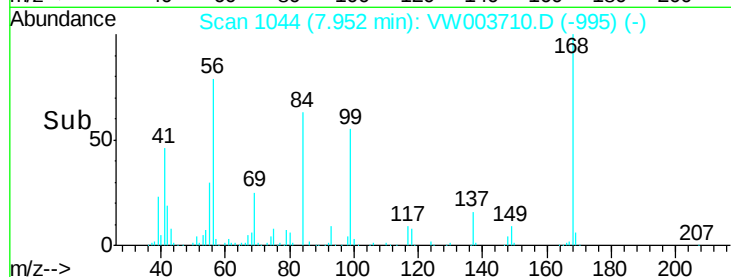
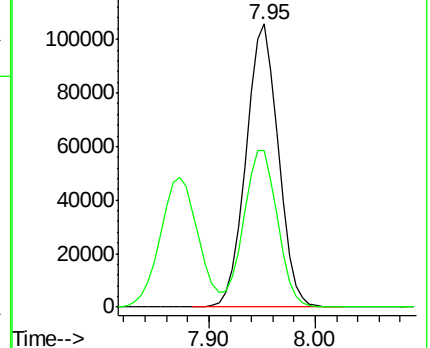
168 100

99 55.2 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.416 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003710.D

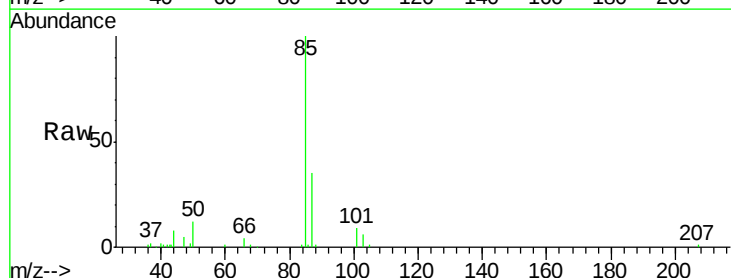
Acq: 03 Jul 2018 20:36

Tgt Ion: 85 Resp: 57529

Ion Ratio Lower Upper

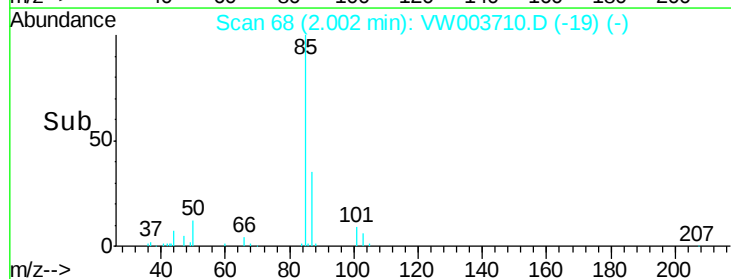
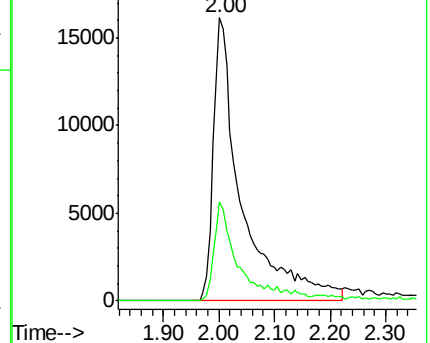
85 100

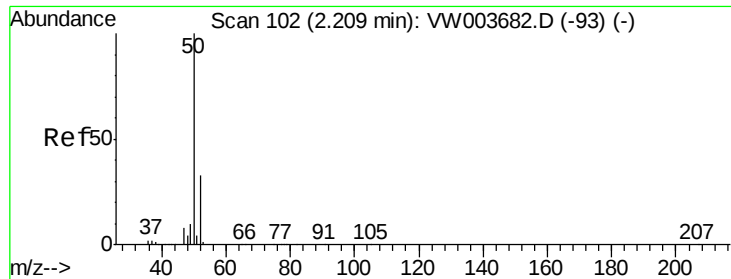
87 35.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 53.310 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

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ClientSampleId :

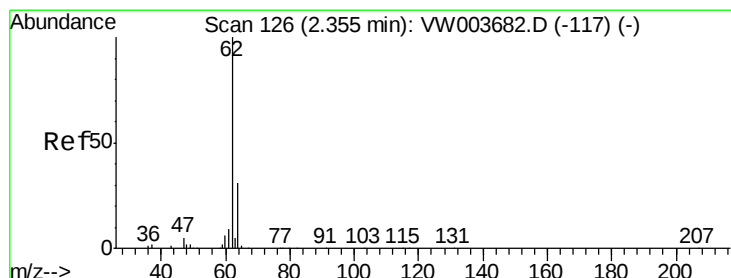
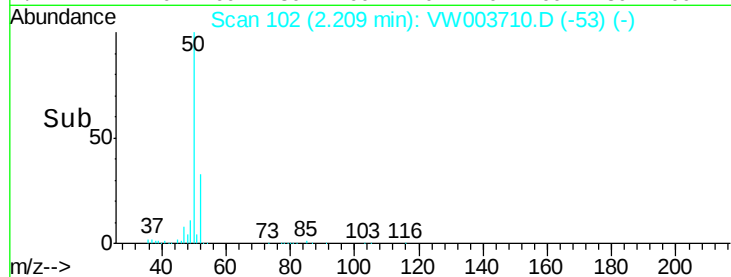
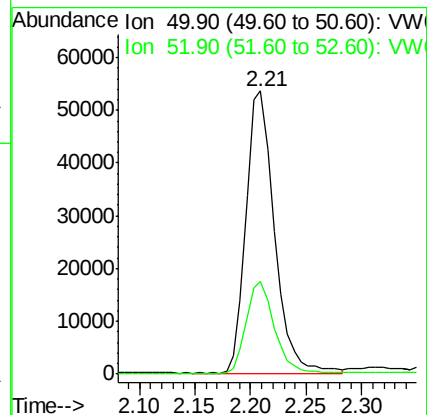
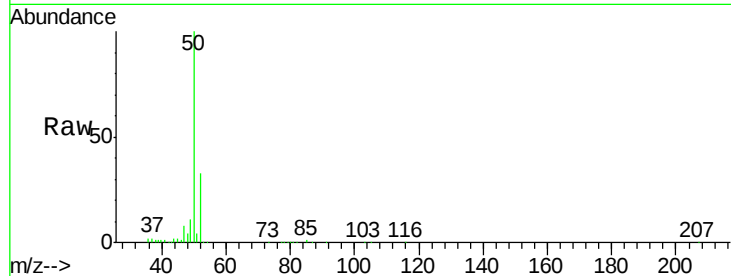
VSTDCCC050EC

Tgt Ion: 50 Resp: 95679

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 55.343 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003710.D

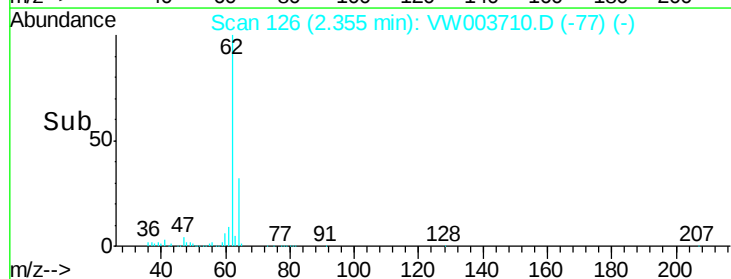
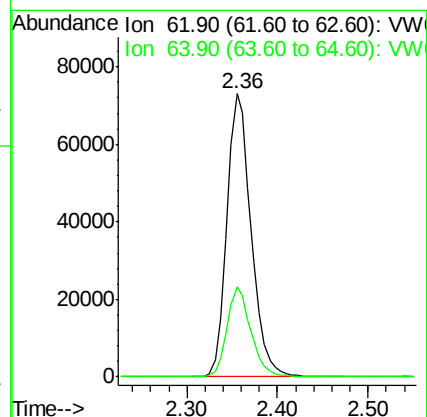
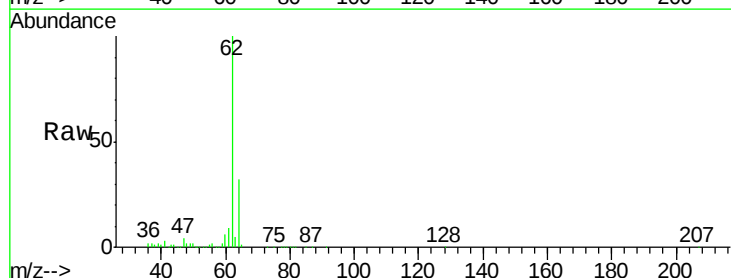
Acq: 03 Jul 2018 20:36

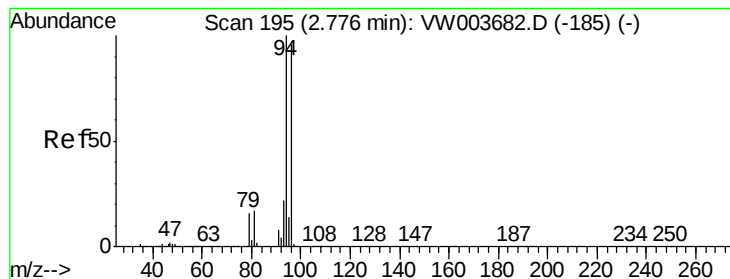
Tgt Ion: 62 Resp: 135522

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 55.057 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

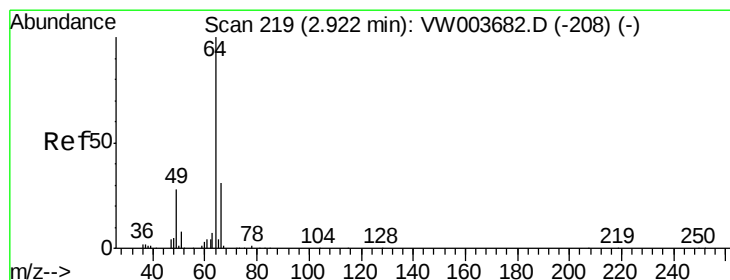
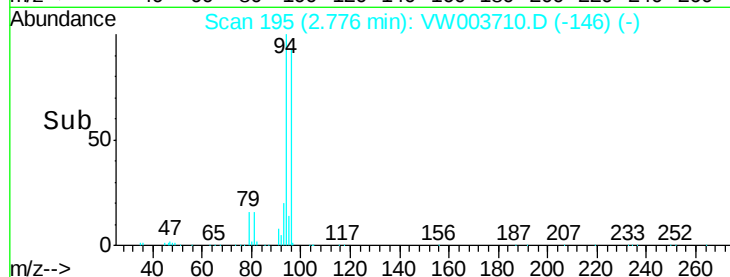
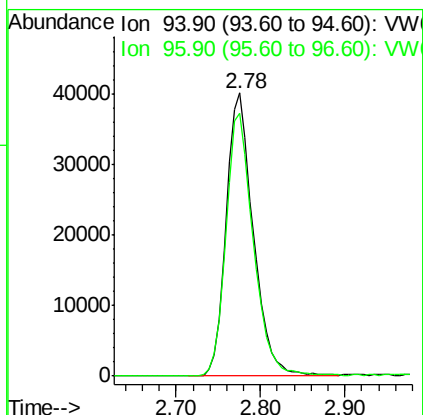
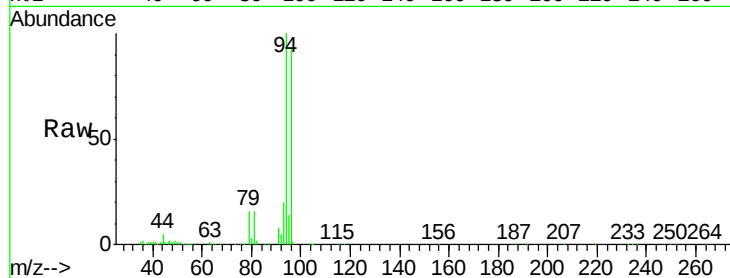
VSTDCCC050EC

Tgt Ion: 94 Resp: 88396

Ion Ratio Lower Upper

94 100

96 92.7 76.6 115.0



#6

Chloroethane

Concen: 53.475 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003710.D

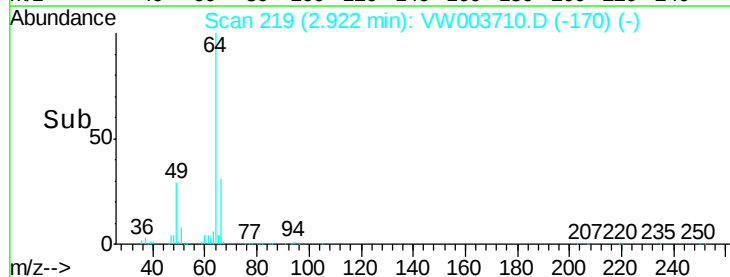
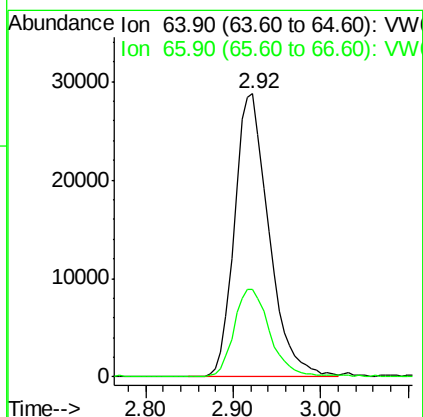
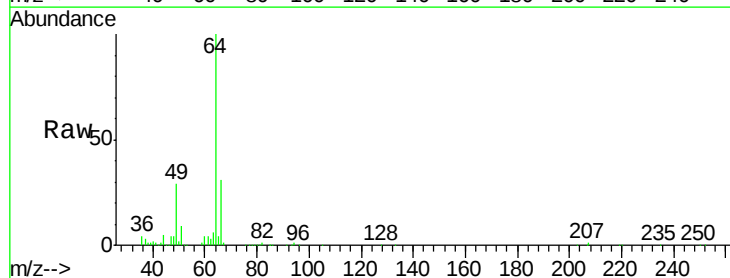
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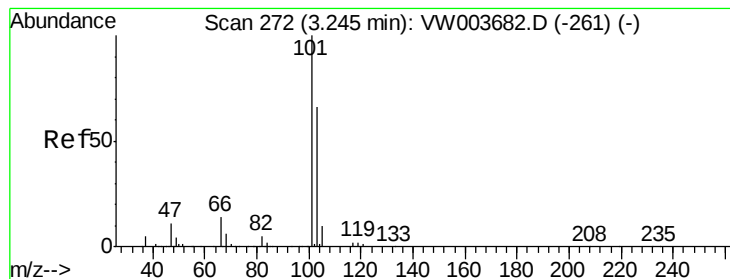
Tgt Ion: 64 Resp: 78792

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.6



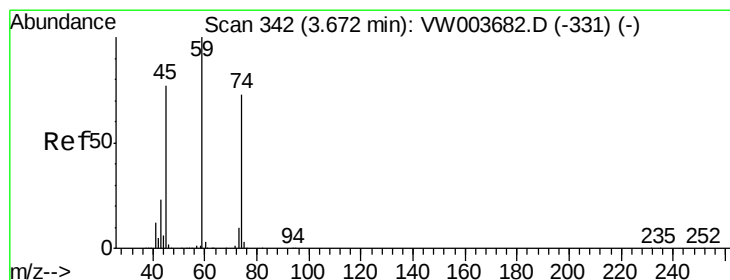
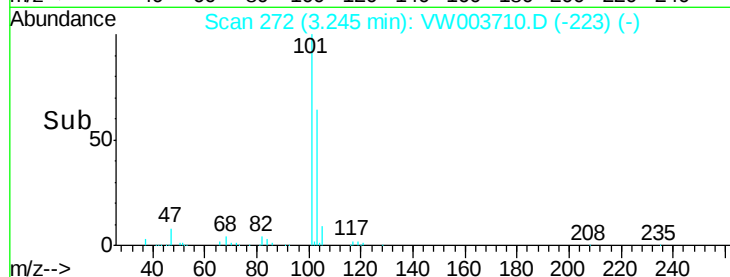
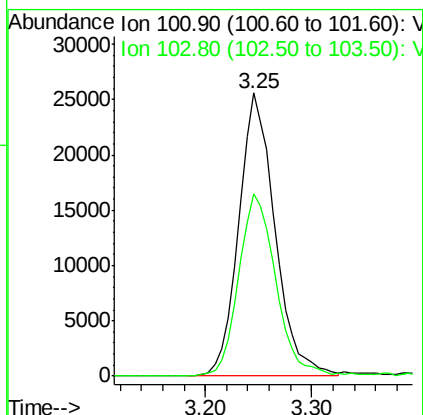
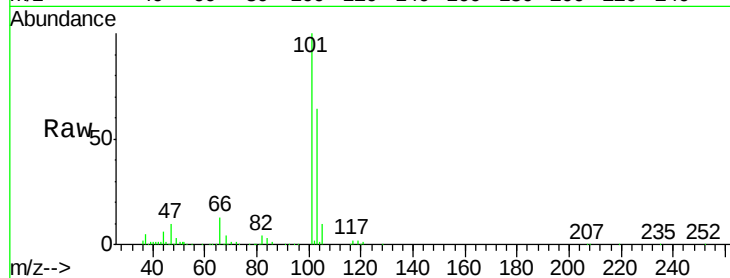


#7

Trichlorofluoromethane
 Concen: 47.075 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003710.D
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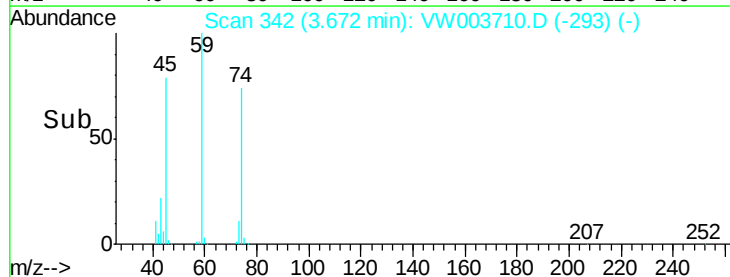
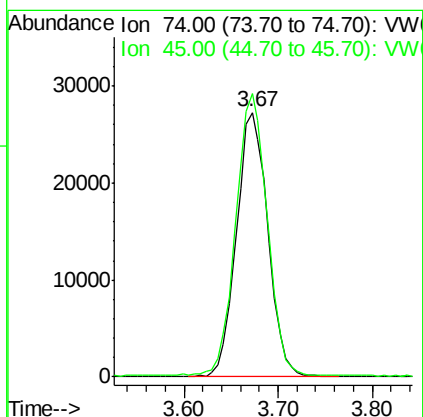
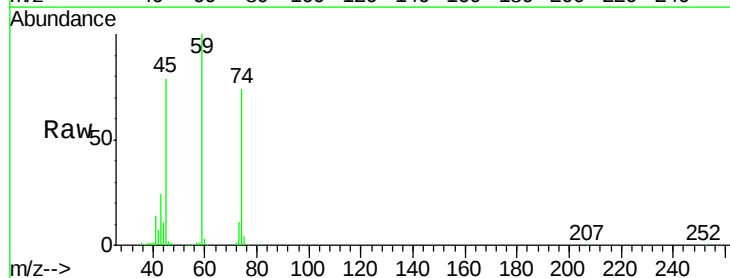
Tgt Ion: 101 Resp: 61300
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.9 79.3

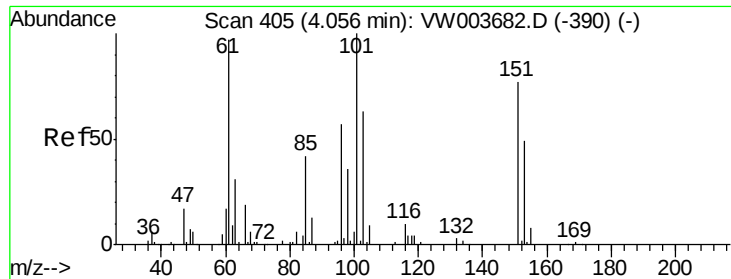


#8

Diethyl Ether
 Concen: 52.709 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 74 Resp: 63507
 Ion Ratio Lower Upper
 74 100
 45 108.0 53.5 160.5

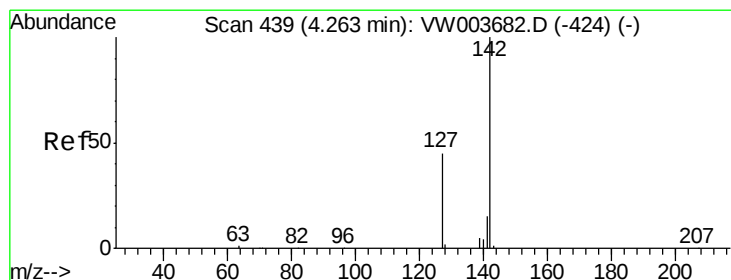
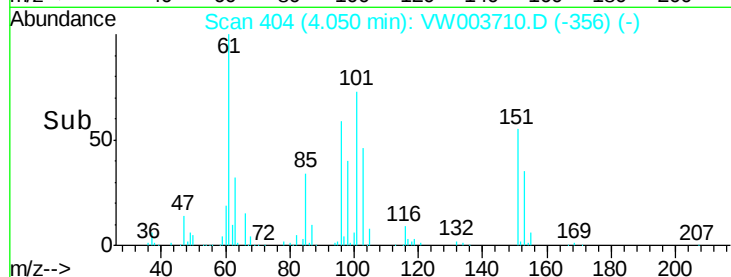
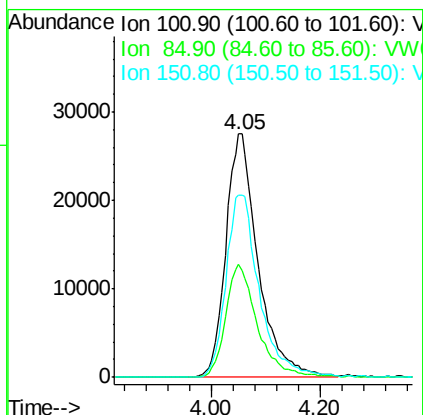
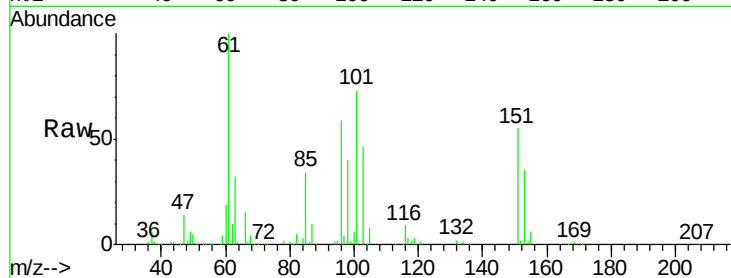




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.452 ug/l
 RT: 4.05 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: VW003710.D
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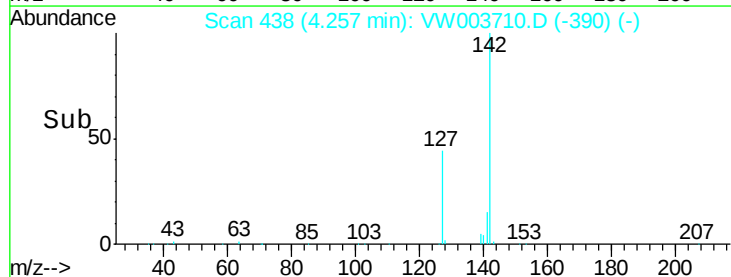
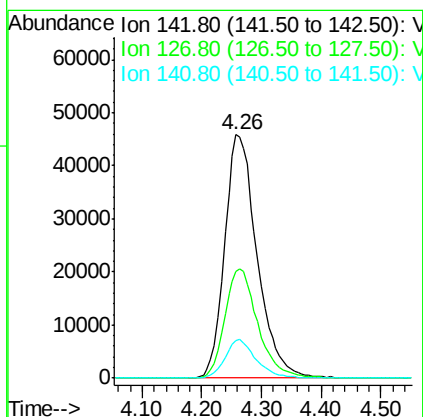
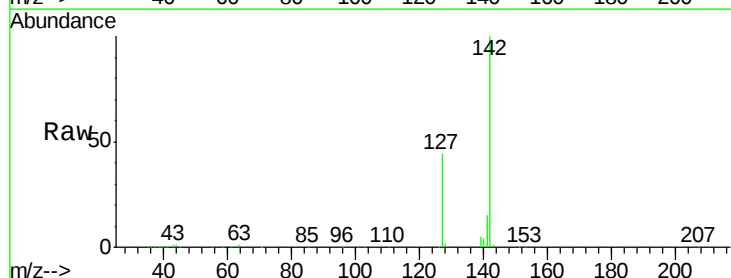
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

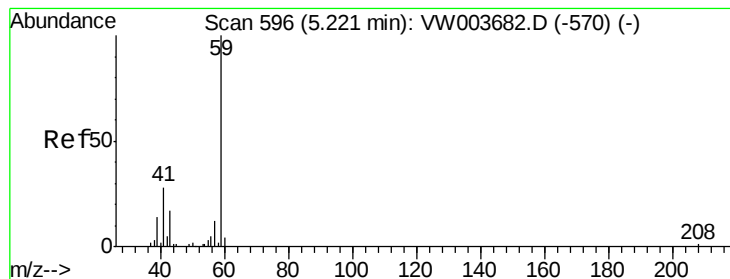
Tgt Ion:101 Resp: 113505
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.6 55.0
 151 77.8 62.4 93.6



#10
 Methyl Iodide
 Concen: 54.525 ug/l
 RT: 4.26 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion:142 Resp: 173259
 Ion Ratio Lower Upper
 142 100
 127 45.5 36.0 54.0
 141 15.1 11.9 17.9



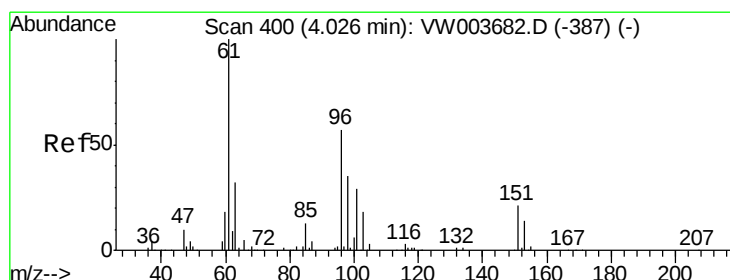
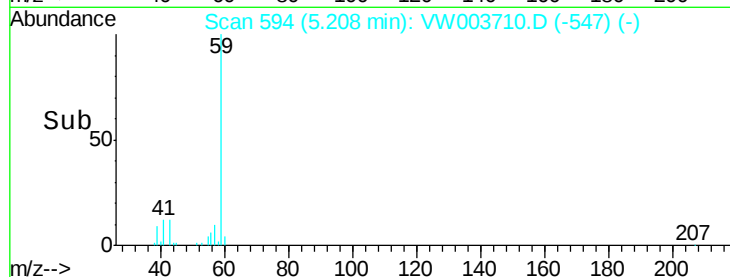
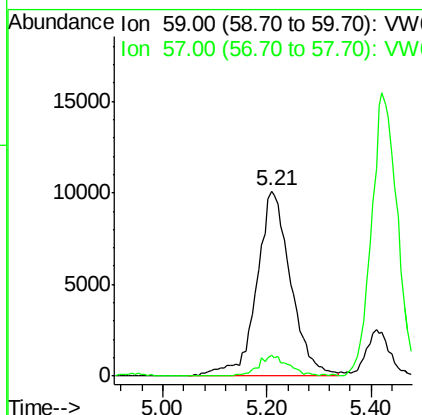
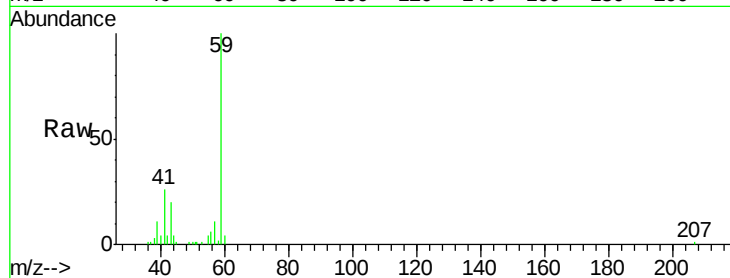


#11

Tert butyl alcohol
 Concen: 271.268 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

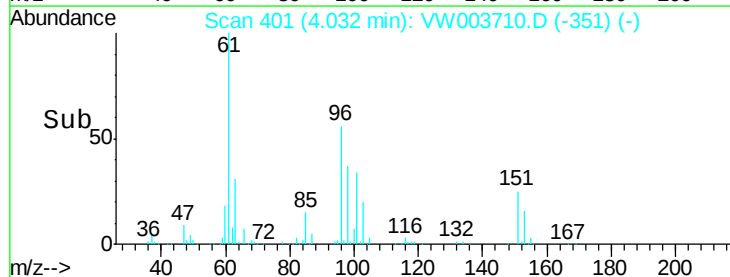
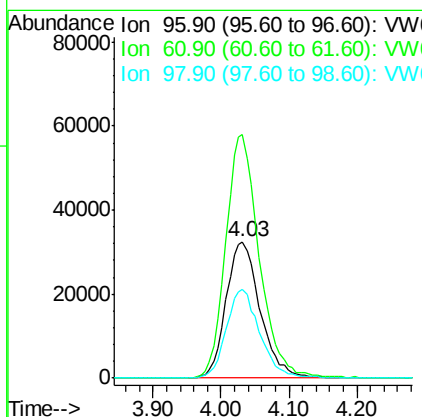
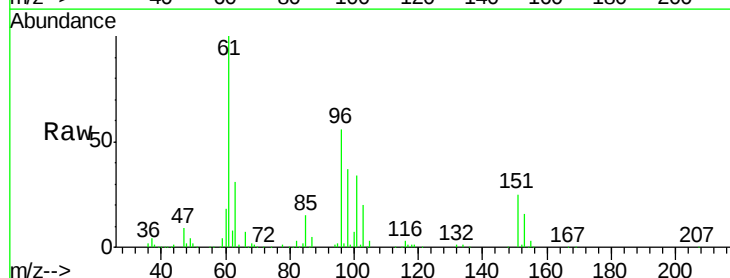
Tgt Ion: 59 Resp: 45596
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.0 13.4

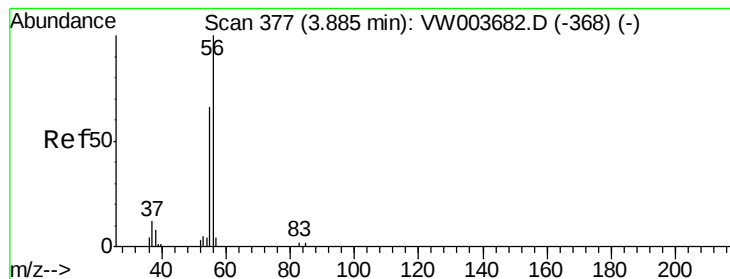


#12

1,1-Dichloroethene
 Concen: 52.443 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 96 Resp: 113109
 Ion Ratio Lower Upper
 96 100
 61 178.3 140.6 211.0
 98 65.3 49.4 74.0





#13

Acrolein

Concen: 333.246 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

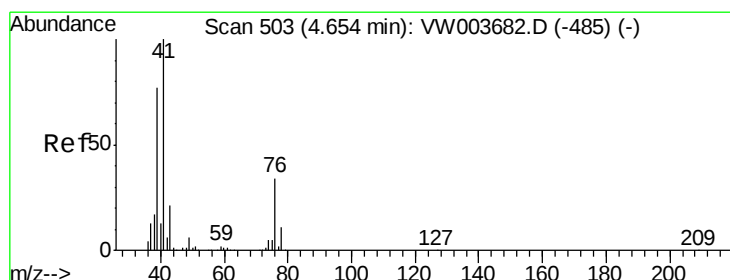
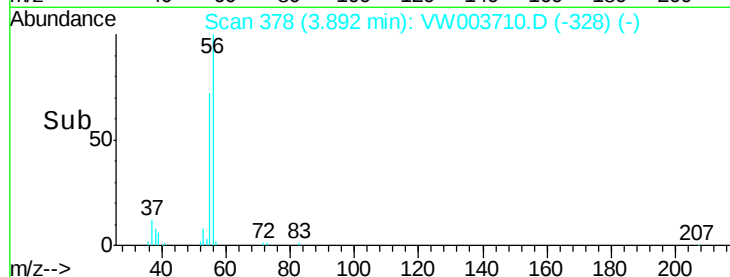
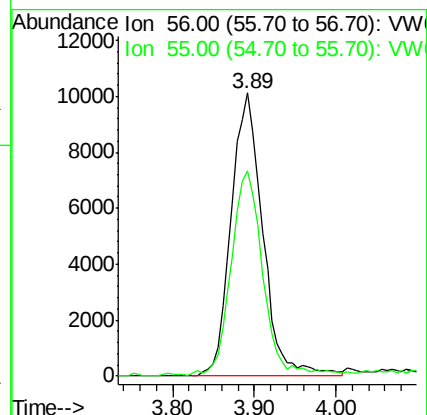
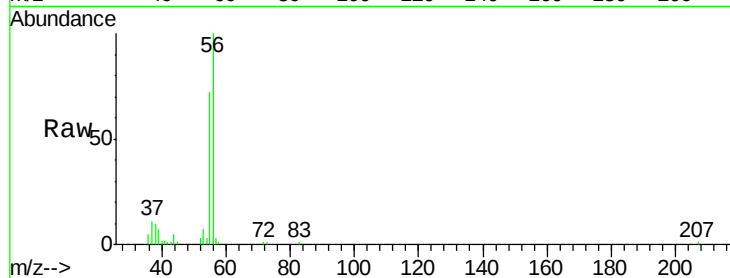
VSTDCCC050EC

Tgt Ion: 56 Resp: 27179

Ion Ratio Lower Upper

56 100

55 71.7 54.7 82.1



#14

Allyl chloride

Concen: 54.160 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

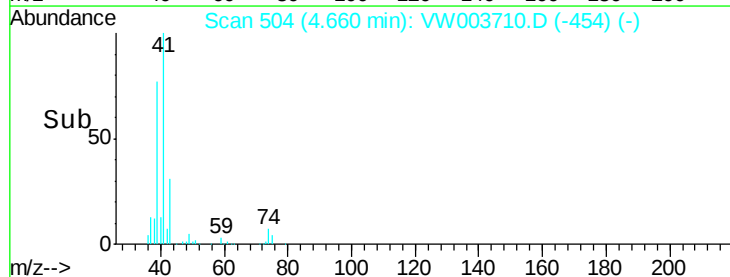
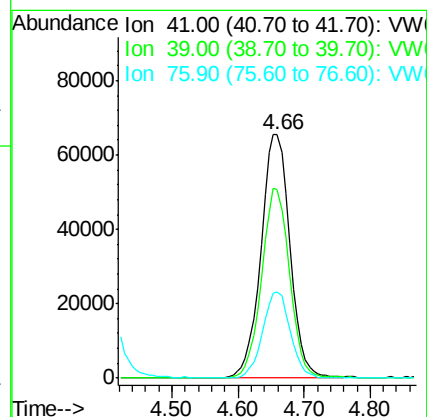
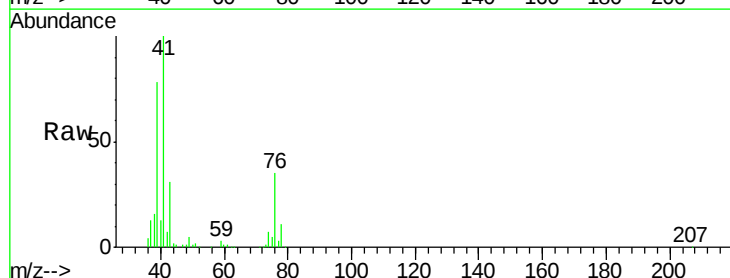
Tgt Ion: 41 Resp: 199782

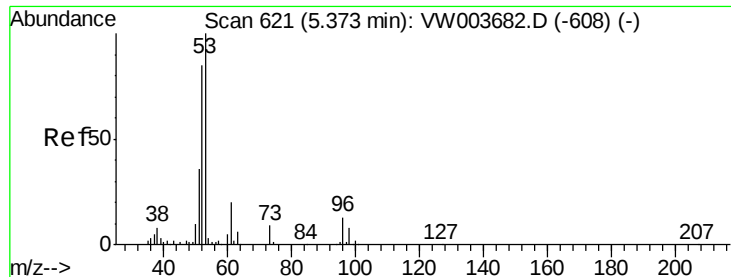
Ion Ratio Lower Upper

41 100

39 75.6 60.1 90.1

76 33.8 27.2 40.8





#15

Acrylonitrile

Concen: 273.299 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

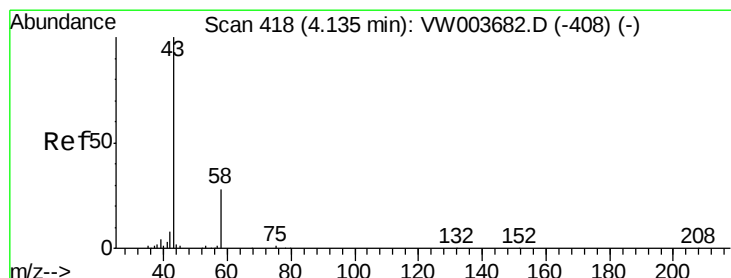
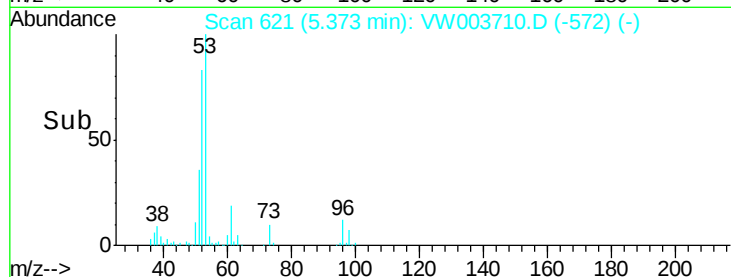
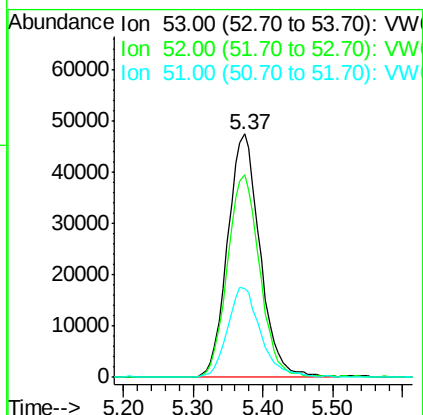
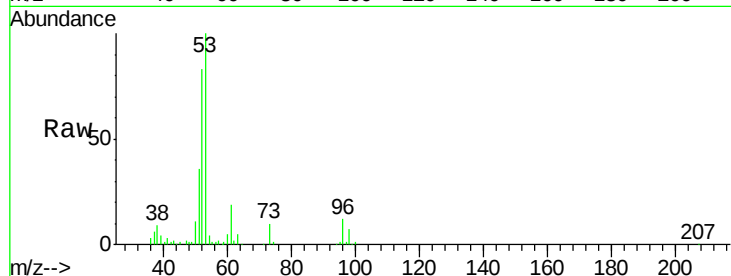
Tgt Ion: 53 Resp: 152723

Ion Ratio Lower Upper

53 100

52 83.1 66.8 100.2

51 37.7 30.2 45.4



#16

Acetone

Concen: 226.522 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003710.D

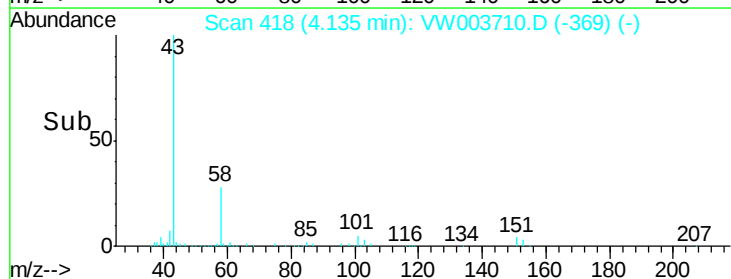
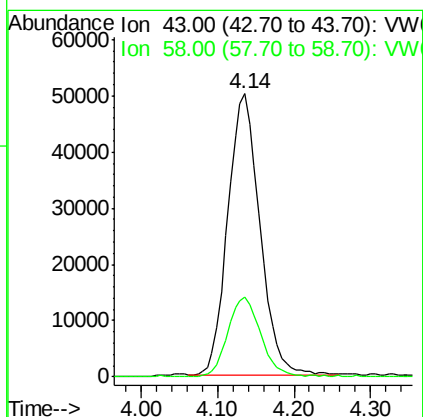
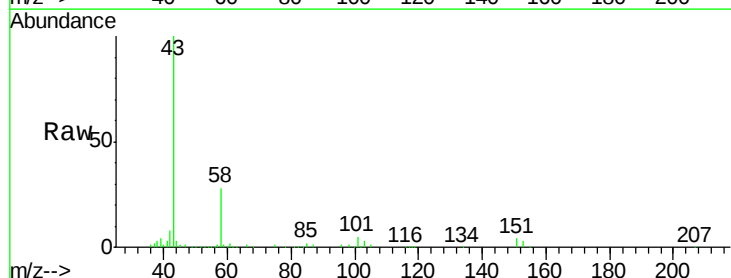
Acq: 03 Jul 2018 20:36

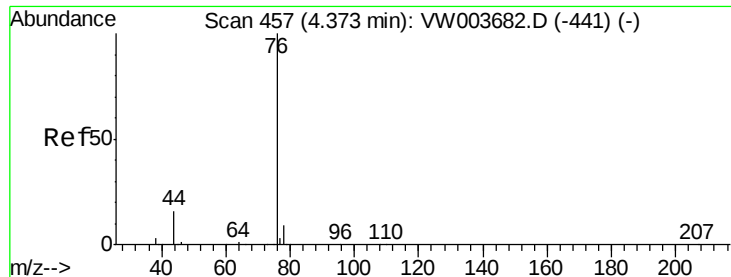
Tgt Ion: 43 Resp: 145247

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1

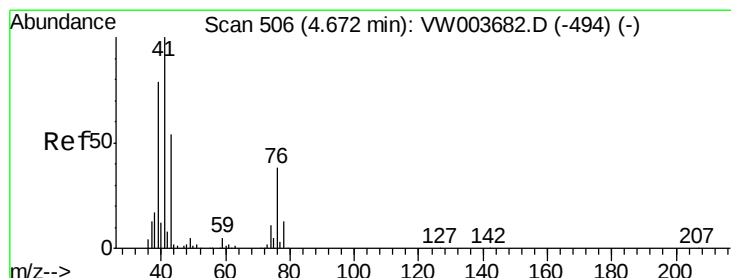
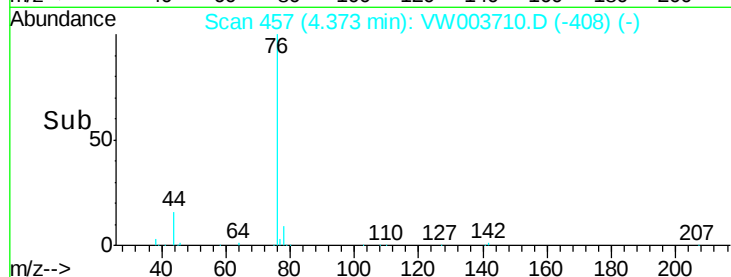
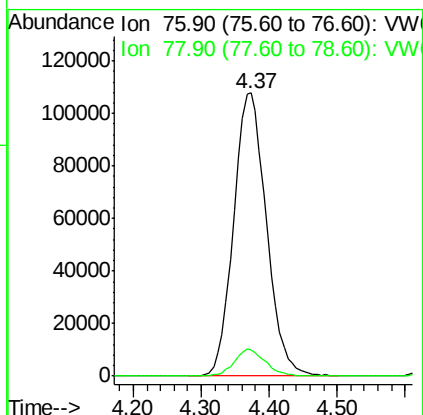
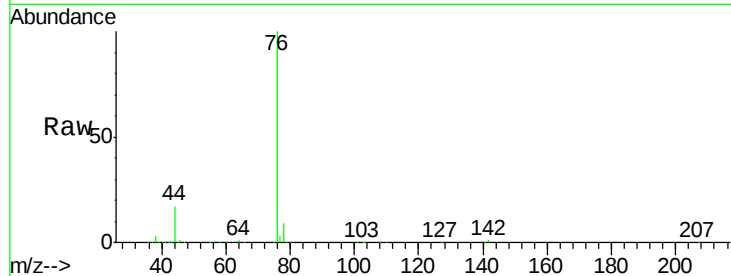




#17
Carbon Disulfide
Concen: 55.742 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

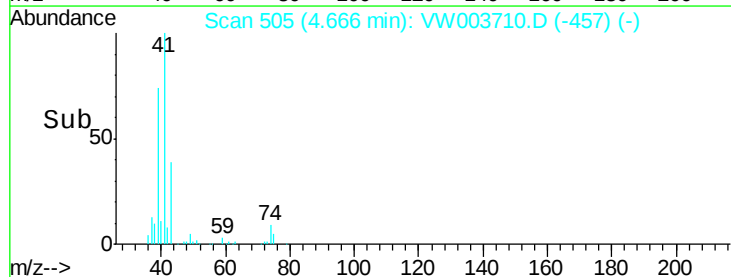
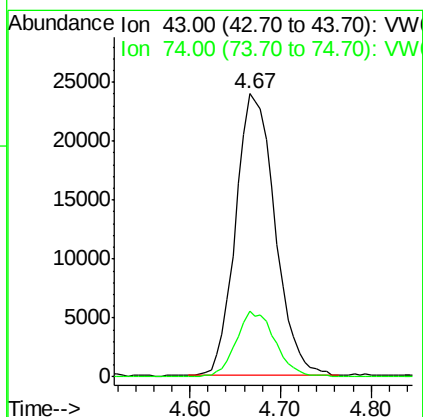
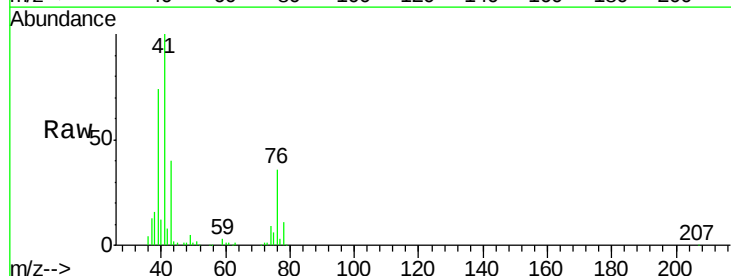
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

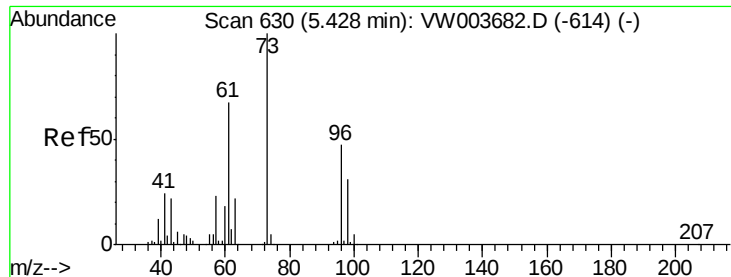
Tgt Ion: 76 Resp: 360919
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 51.590 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 43 Resp: 71904
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2

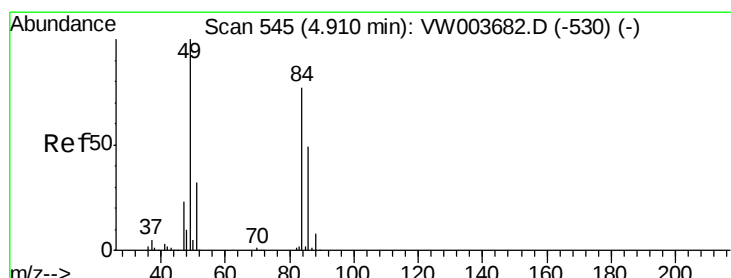
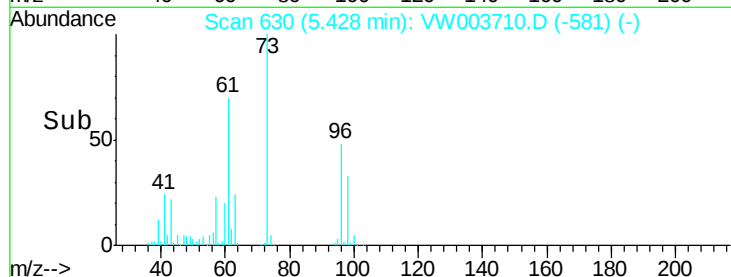
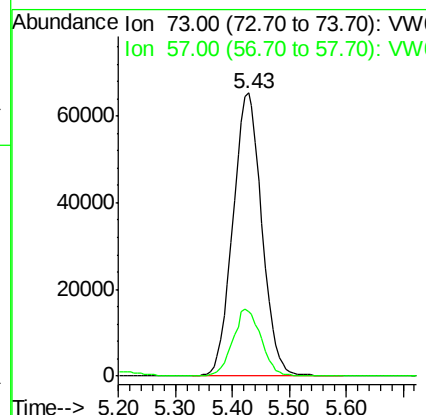
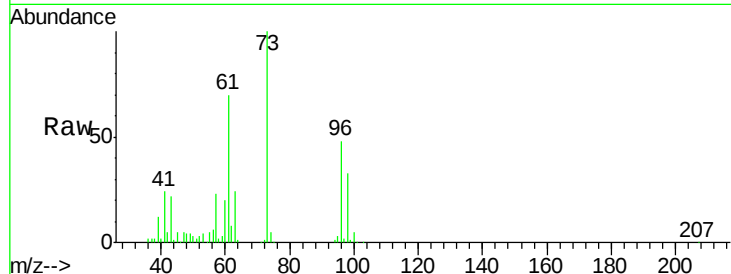




#19
Methyl tert-butyl Ether
Concen: 55.013 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

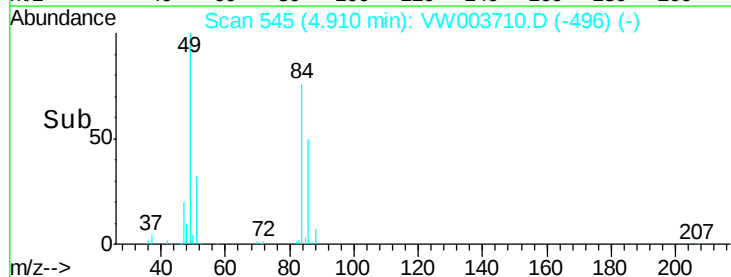
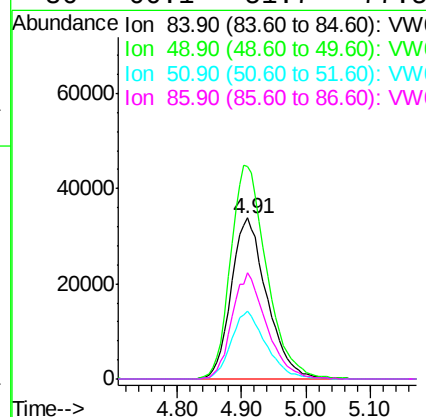
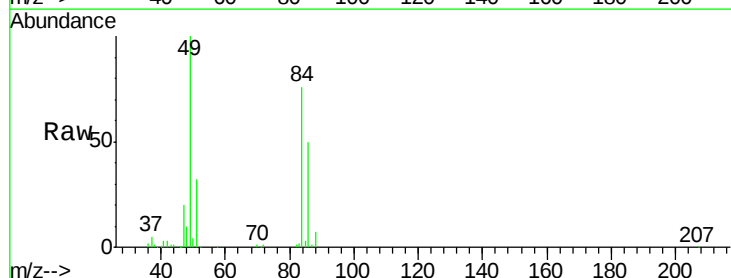
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

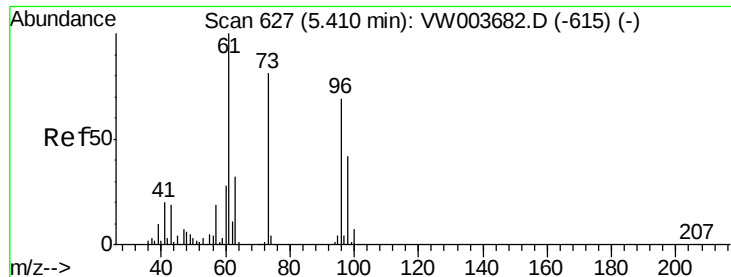
Tgt Ion: 73 Resp: 231763
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1



#20
Methylene Chloride
Concen: 53.668 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 84 Resp: 131230
Ion Ratio Lower Upper
84 100
49 132.2 104.6 156.8
51 42.2 33.2 49.8
86 66.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 54.139 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

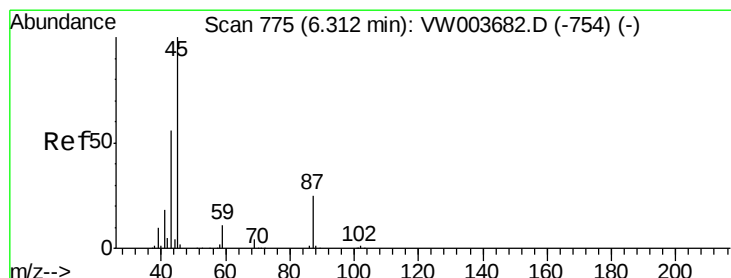
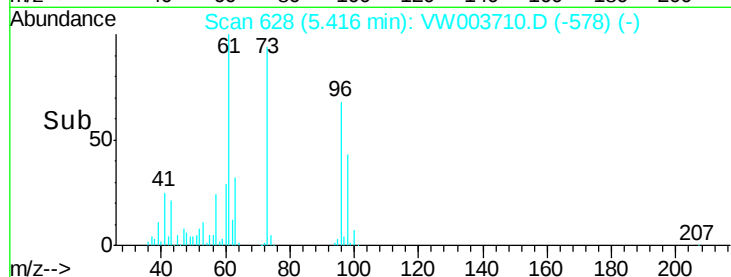
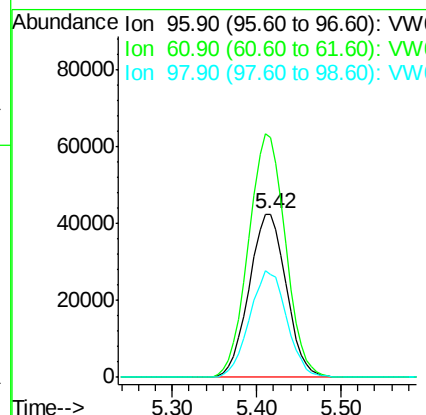
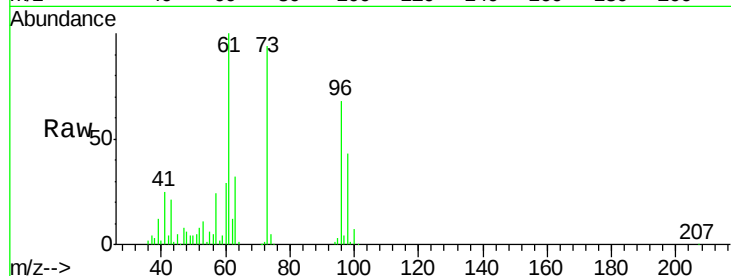
Tgt Ion: 96 Resp: 127885

Ion Ratio Lower Upper

96 100

61 147.0 116.8 175.2

98 63.2 49.6 74.4



#22

Diisopropyl ether

Concen: 55.831 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Tgt Ion: 45 Resp: 422238

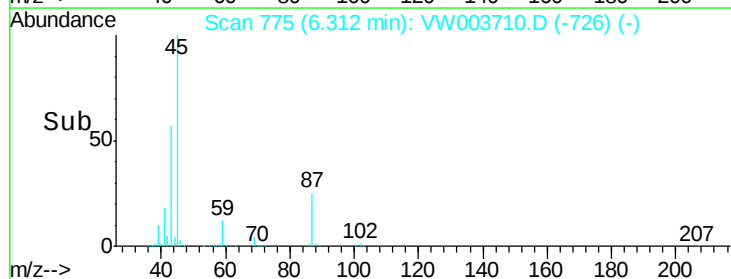
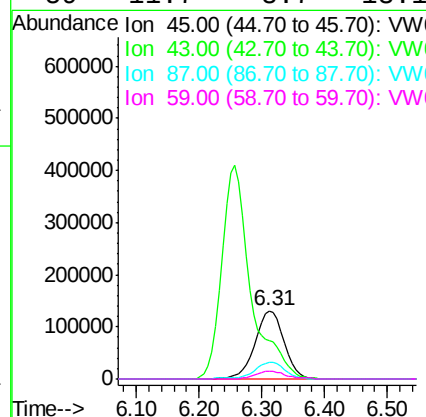
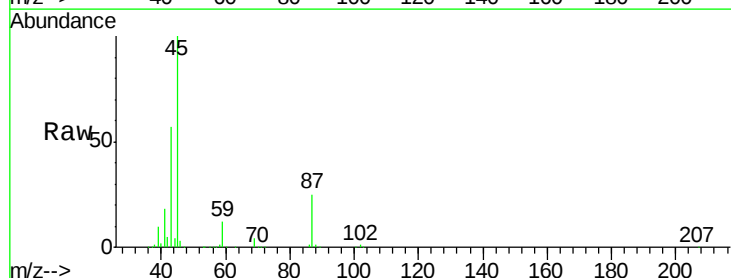
Ion Ratio Lower Upper

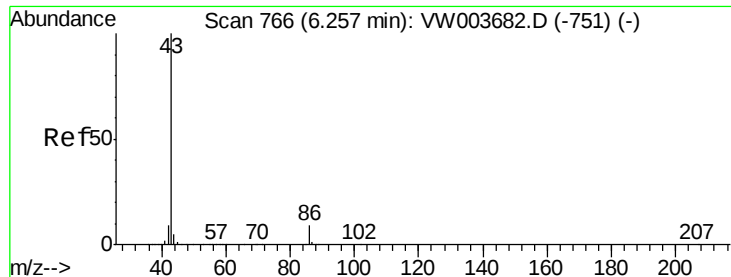
45 100

43 56.7 44.5 66.7

87 25.1 20.2 30.4

59 11.7 8.7 13.1





#23

Vinyl Acetate

Concen: 256.284 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

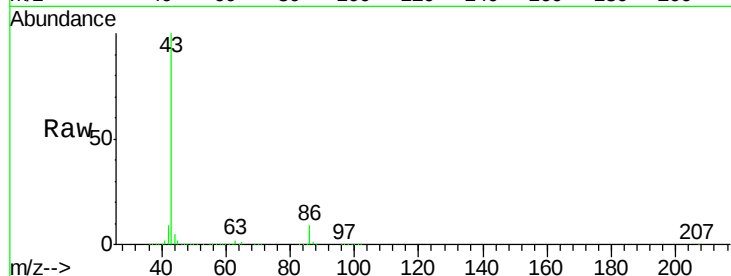
VSTDCCC050EC

Tgt Ion: 43 Resp: 1316052

Ion Ratio Lower Upper

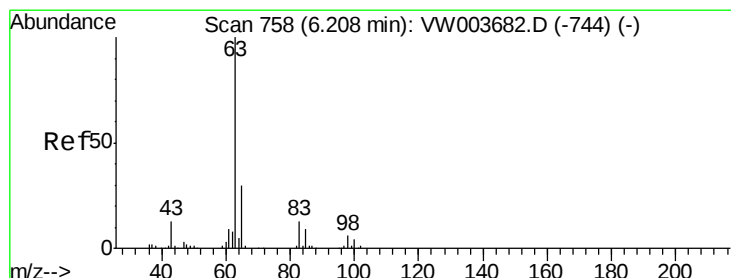
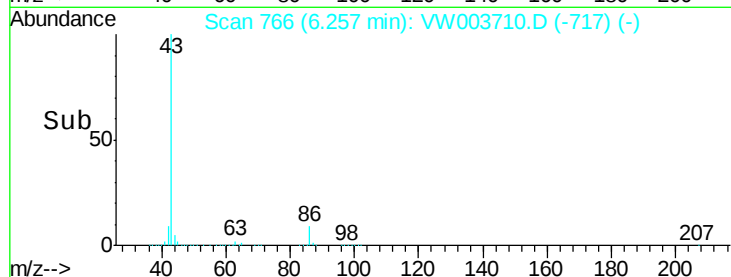
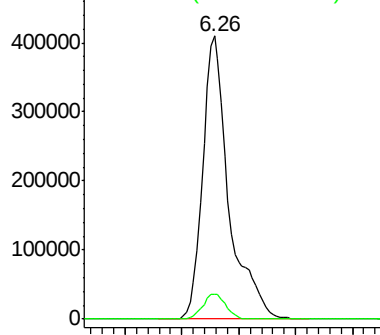
43 100

86 8.9 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.458 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

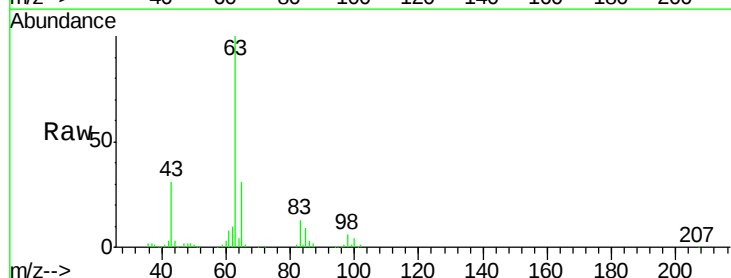
Tgt Ion: 63 Resp: 241102

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

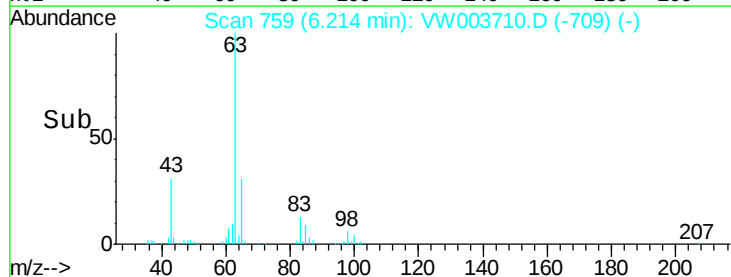
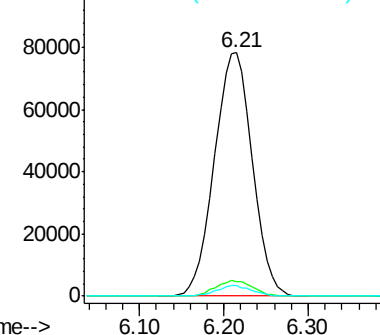
100 4.2 1.9 5.7

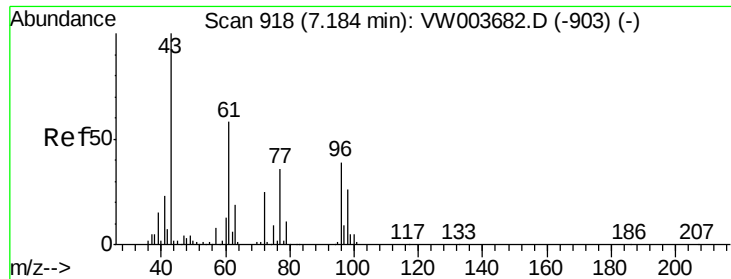


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

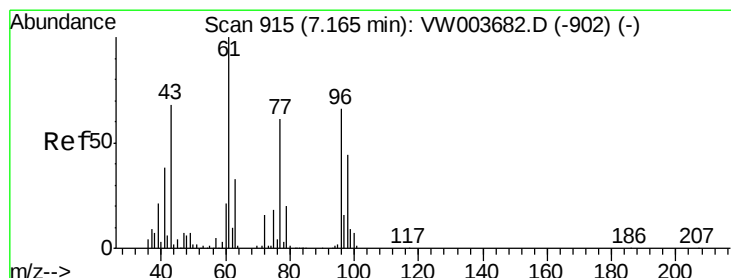
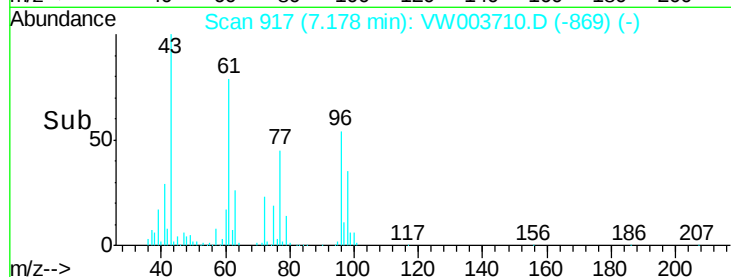
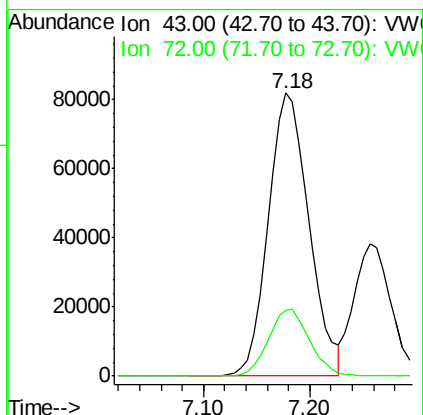
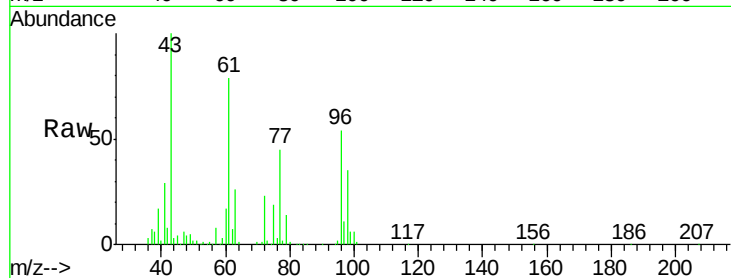




#25
2-Butanone
Concen: 264.458 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

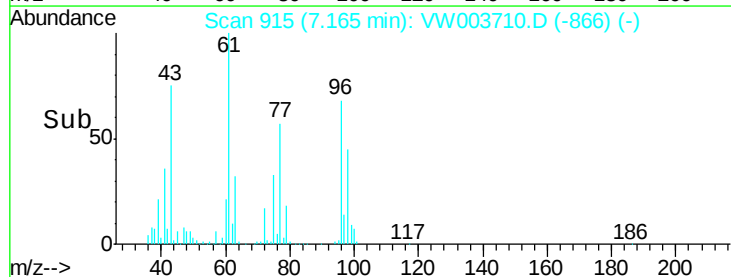
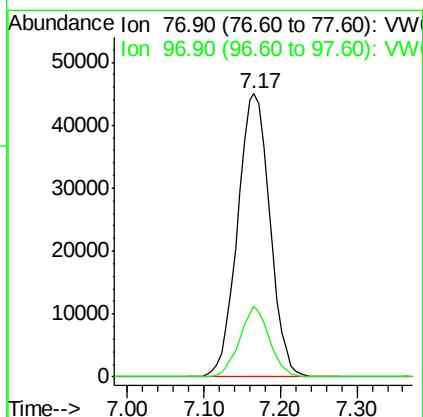
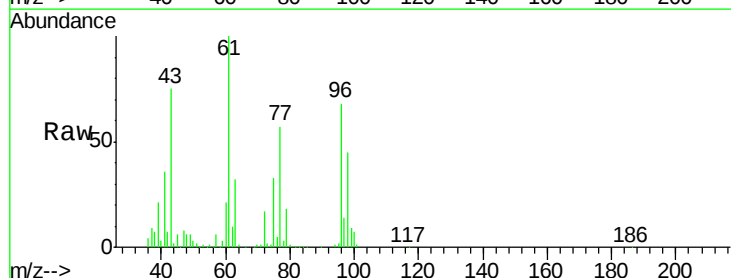
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

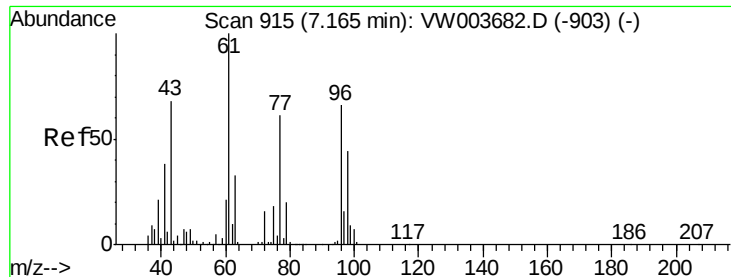
Tgt Ion: 43 Resp: 217129
Ion Ratio Lower Upper
43 100
72 23.1 20.2 30.4



#26
2,2-Dichloropropane
Concen: 47.740 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 77 Resp: 132018
Ion Ratio Lower Upper
77 100
97 22.8 11.7 35.1



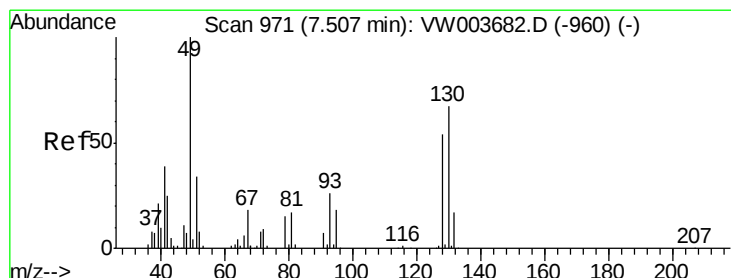
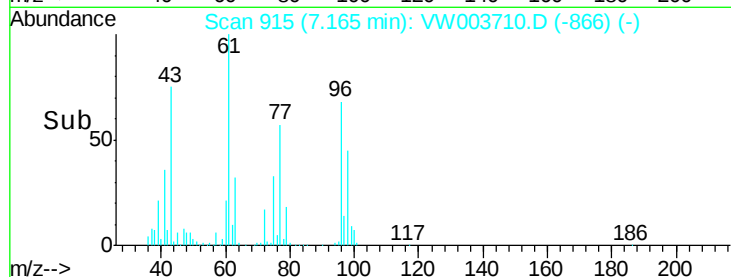
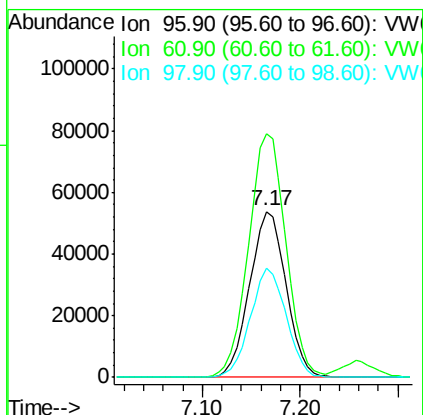
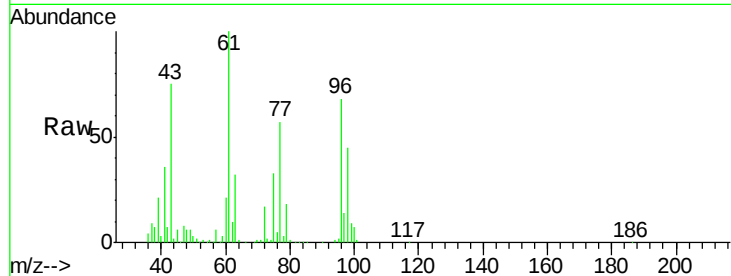


#27

cis-1,2-Dichloroethene
Concen: 54.128 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

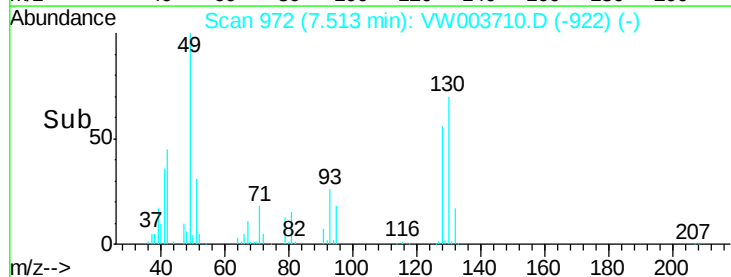
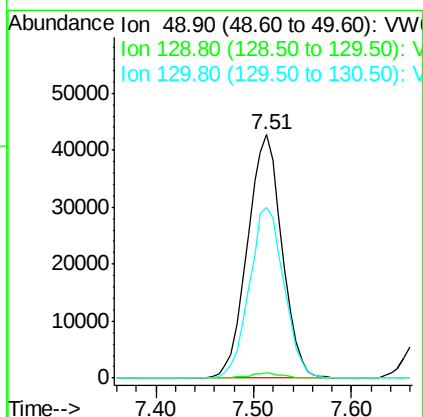
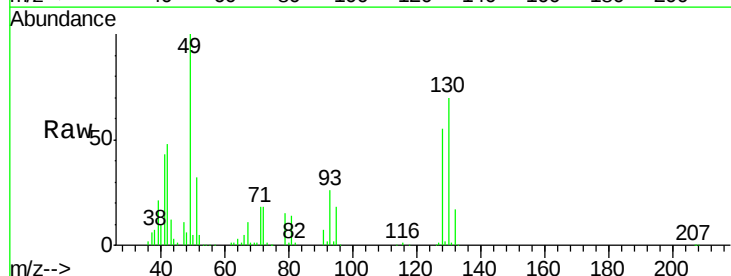
Tgt Ion: 96 Resp: 139236
Ion Ratio Lower Upper
96 100
61 150.3 0.0 305.0
98 64.8 0.0 129.6

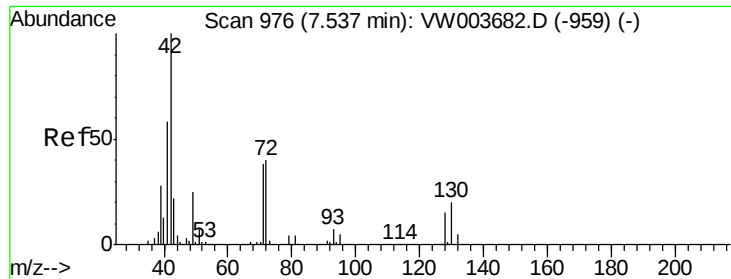


#28

Bromochloromethane
Concen: 52.623 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 49 Resp: 104325
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.0
130 70.4 57.0 85.6

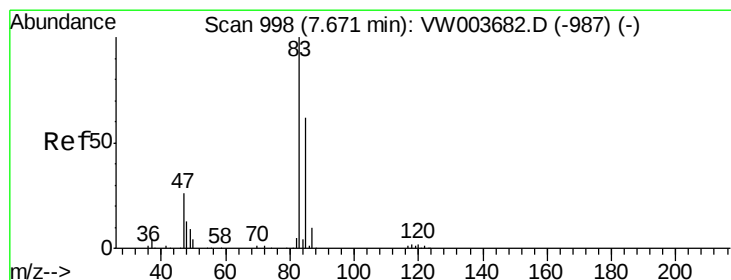
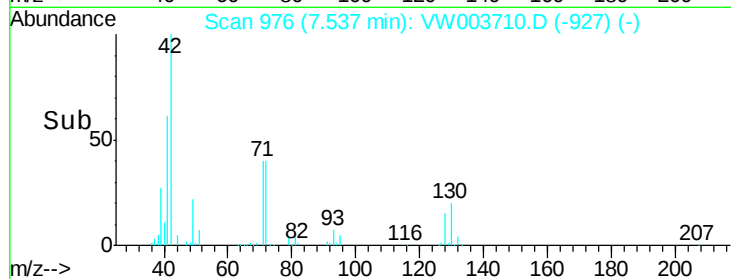
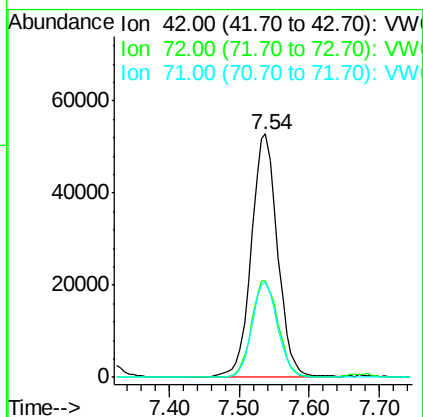
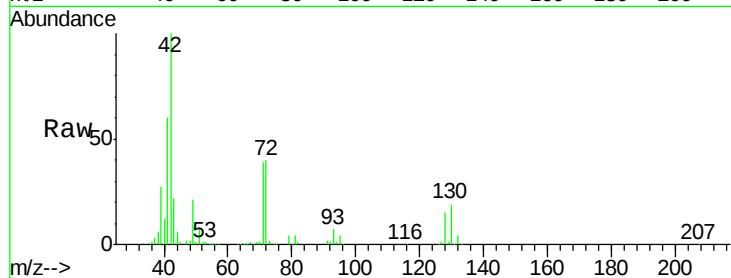




#29
Tetrahydrofuran
Concen: 280.249 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

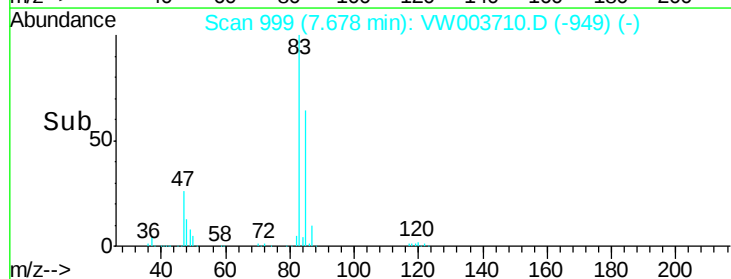
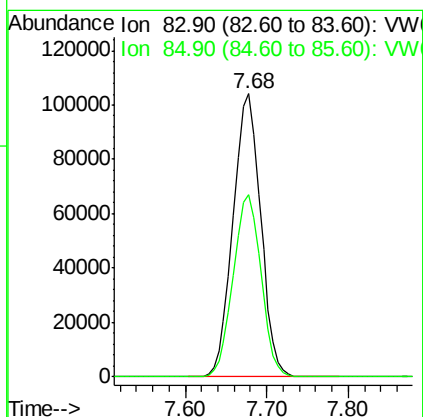
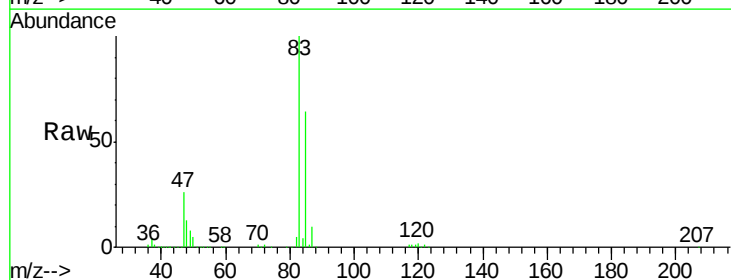
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

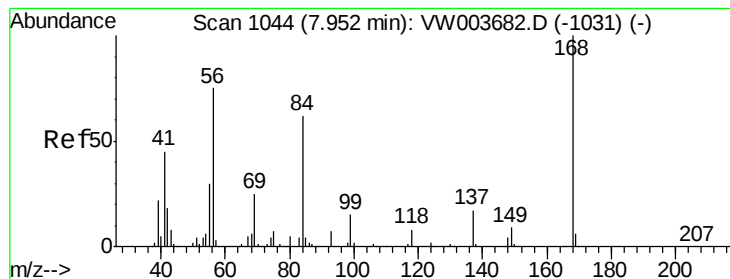
Tgt Ion: 42 Resp: 137929
Ion Ratio Lower Upper
42 100
72 40.2 32.0 48.0
71 38.2 30.2 45.2



#30
Chloroform
Concen: 53.513 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 83 Resp: 244045
Ion Ratio Lower Upper
83 100
85 64.3 49.7 74.5





#31

Cyclohexane

Concen: 51.778 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

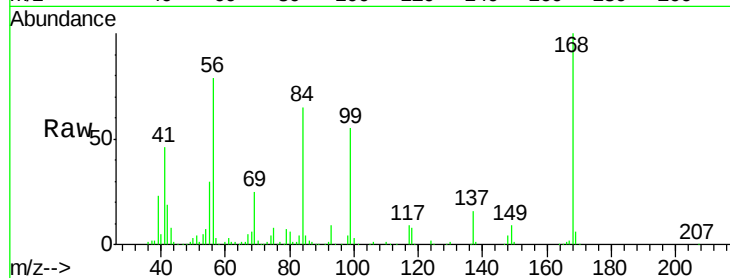
Tgt Ion: 56 Resp: 212625

Ion Ratio Lower Upper

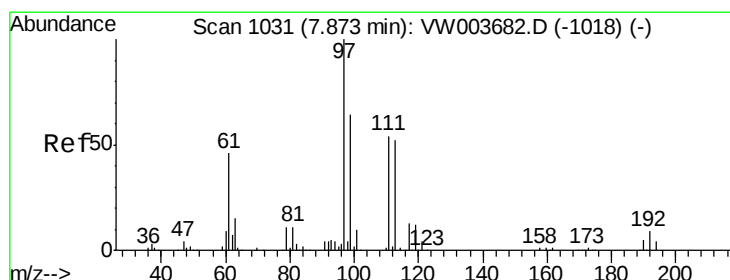
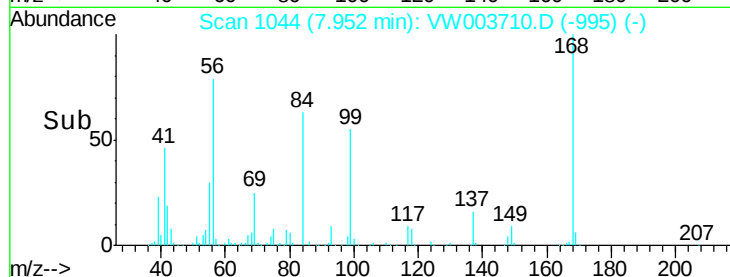
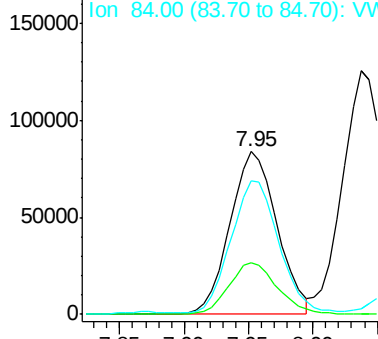
56 100

69 31.3 27.0 40.4

84 80.6 65.4 98.0



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: 53.213 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

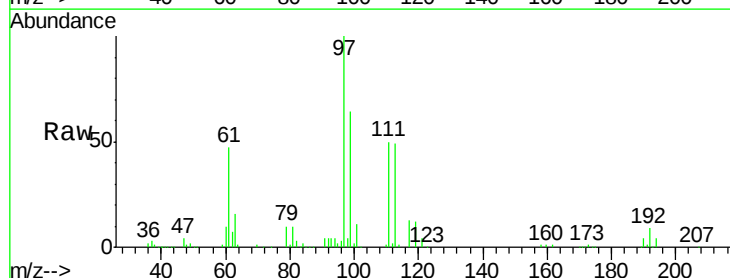
Tgt Ion: 97 Resp: 188913

Ion Ratio Lower Upper

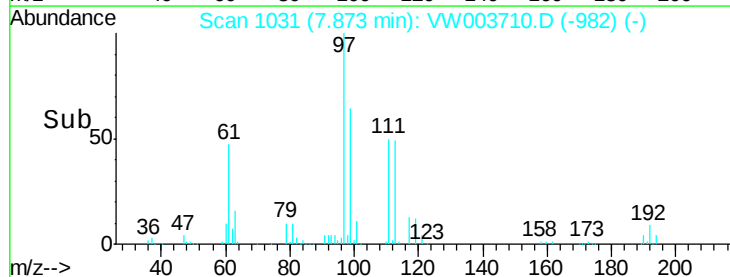
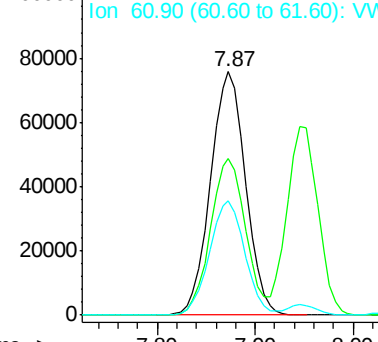
97 100

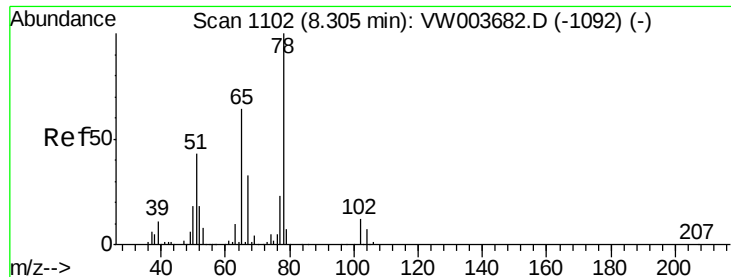
99 63.9 50.6 76.0

61 47.2 37.2 55.8



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

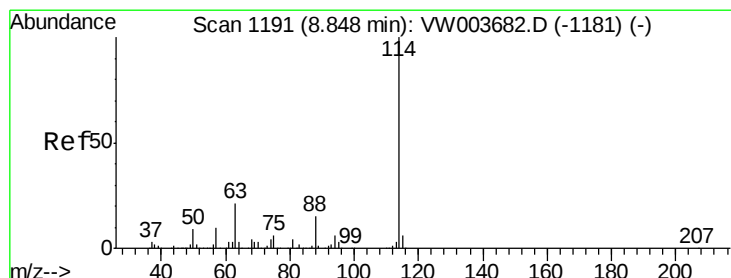
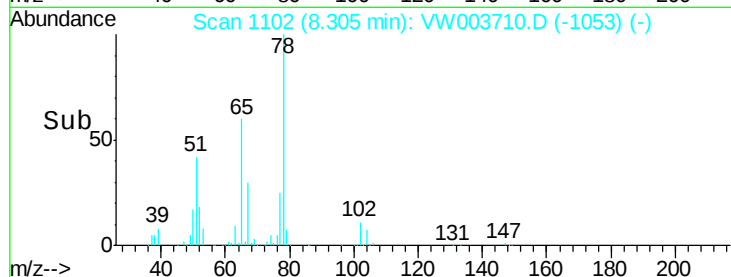
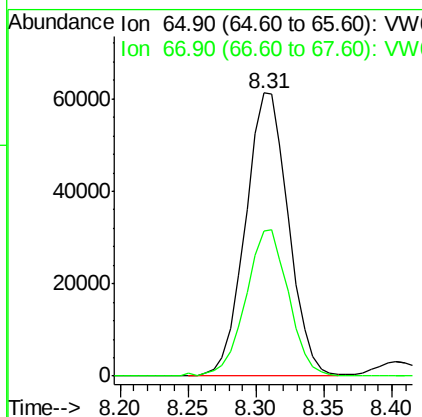
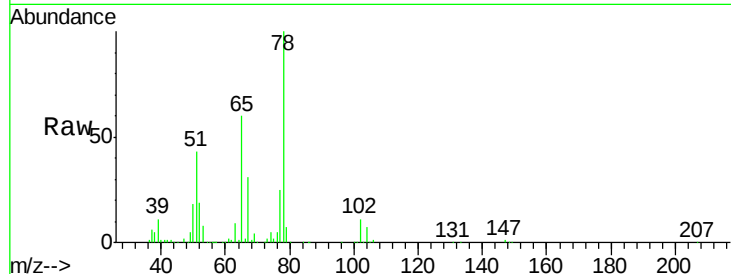




#33
 1,2-Dichloroethane-d4
 Concen: 50.445 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

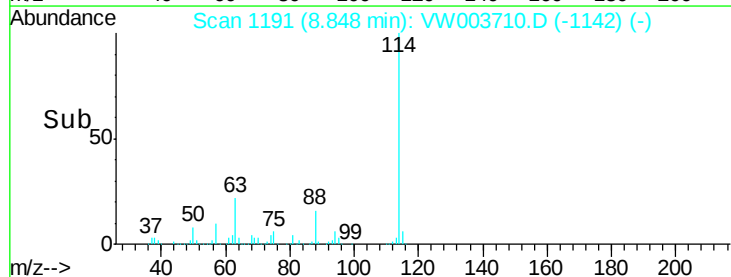
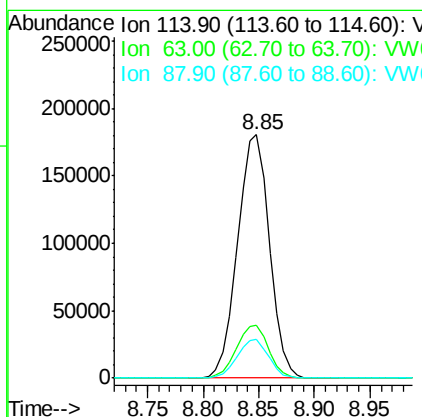
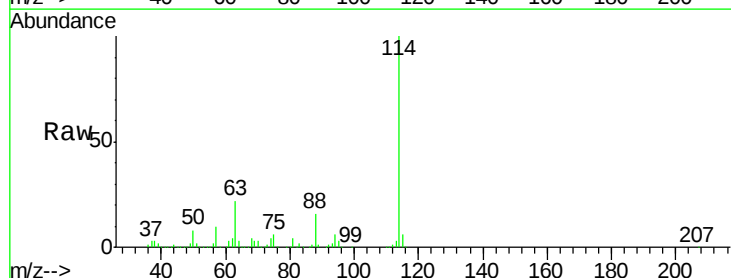
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

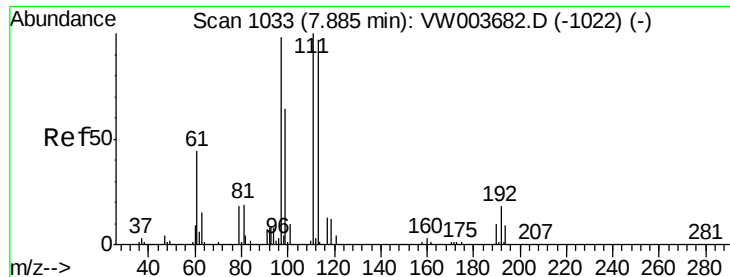
Tgt Ion: 65 Resp: 135503
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 114 Resp: 358329
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.6
 88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.080 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

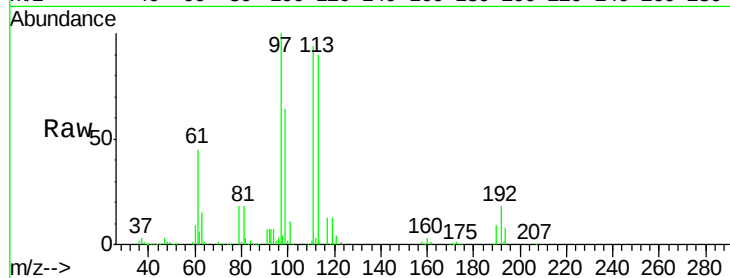
Tgt Ion:113 Resp: 117040

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

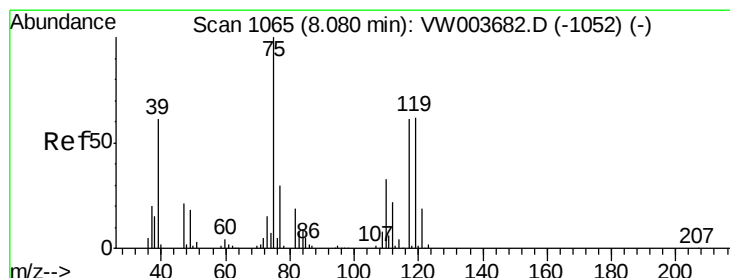
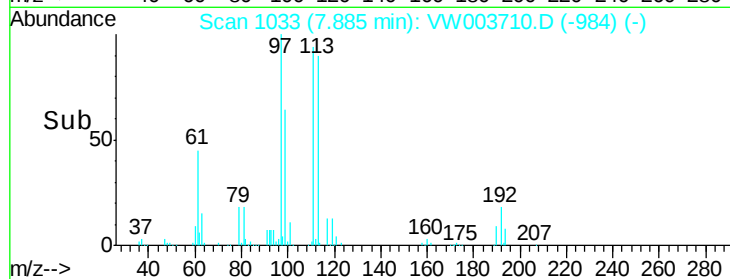
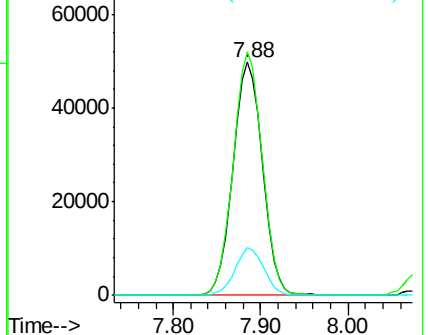
192 20.0 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.125 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

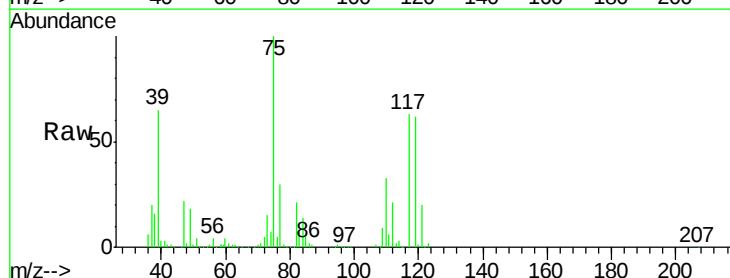
Tgt Ion: 75 Resp: 194689

Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

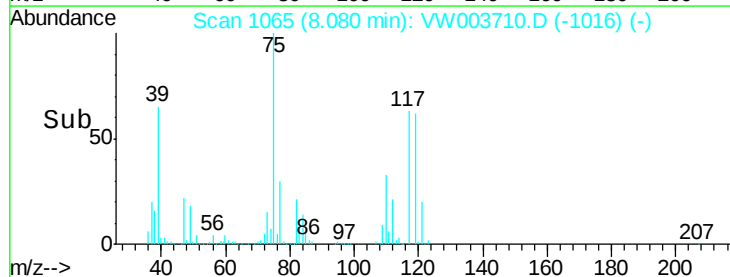
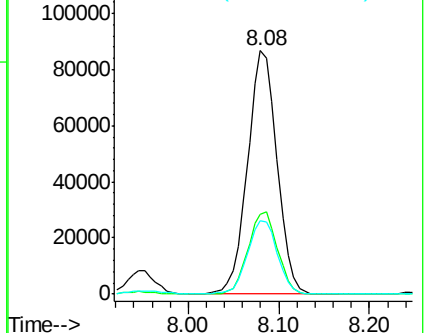
77 31.0 24.9 37.3

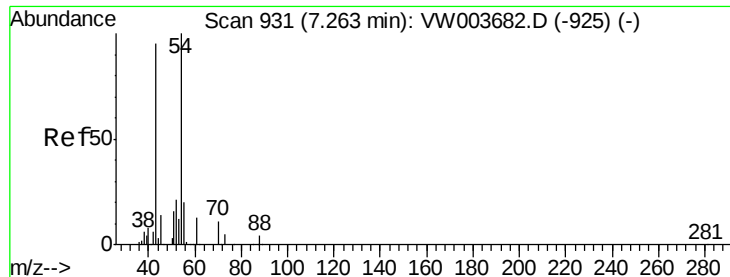


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

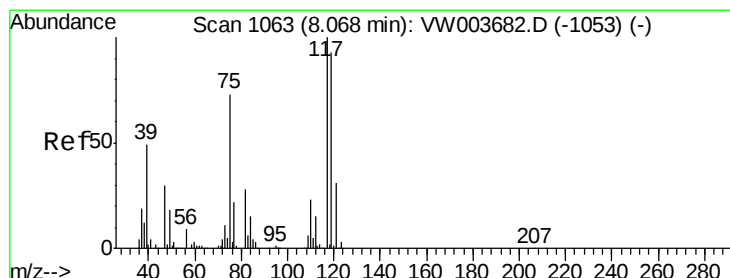
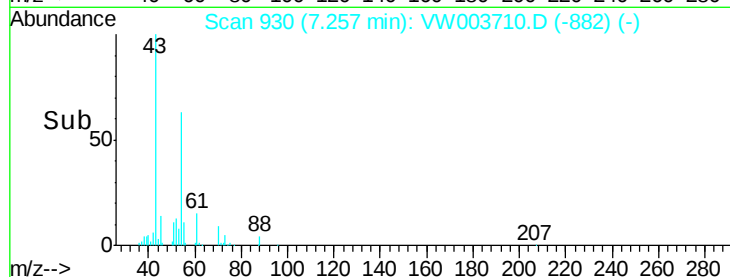
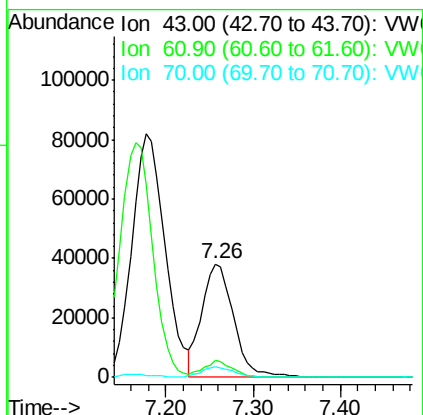
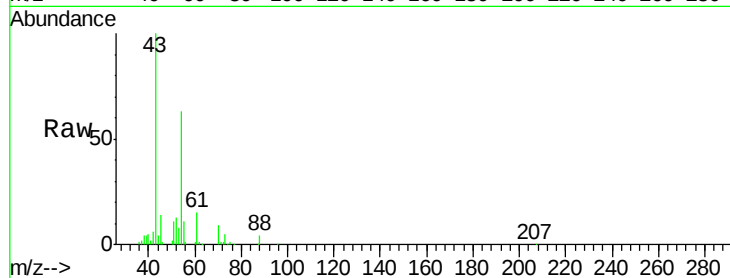




#37
Ethyl Acetate
Concen: 54.666 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

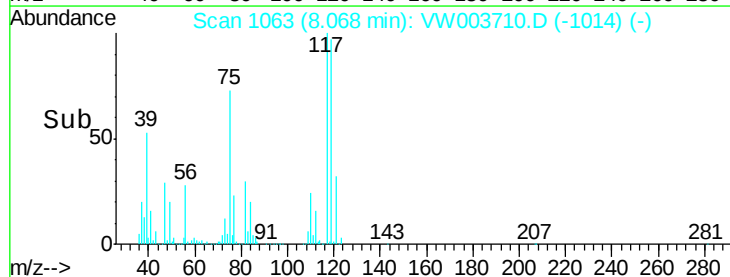
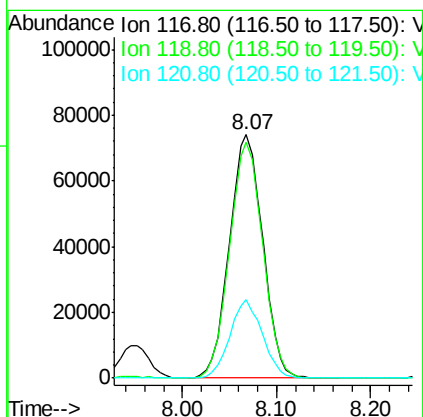
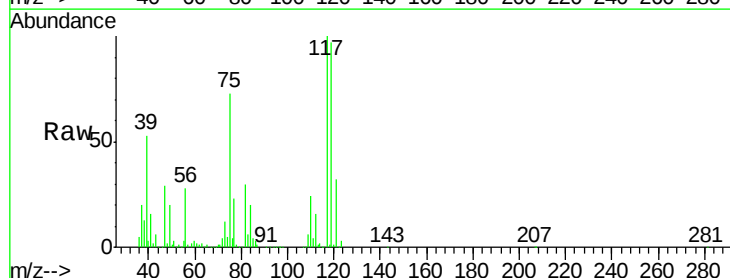
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

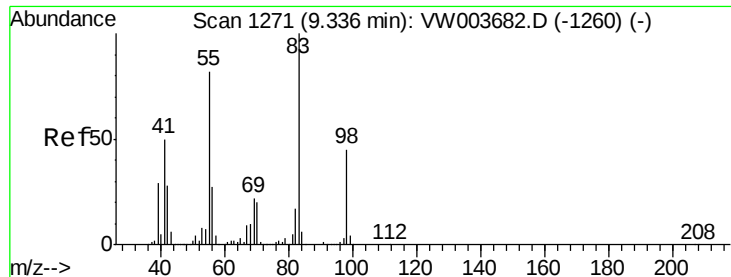
Tgt Ion: 43 Resp: 95713
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 53.133 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 117 Resp: 181813
Ion Ratio Lower Upper
117 100
119 96.7 74.1 111.1
121 32.3 25.0 37.4

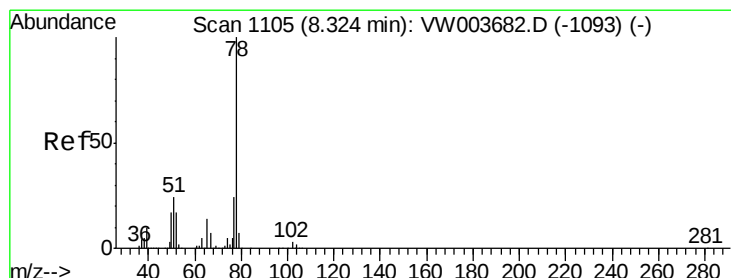
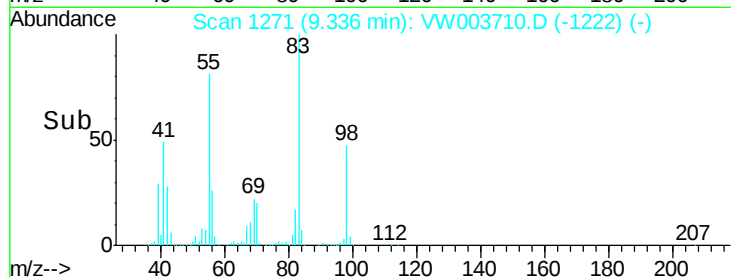
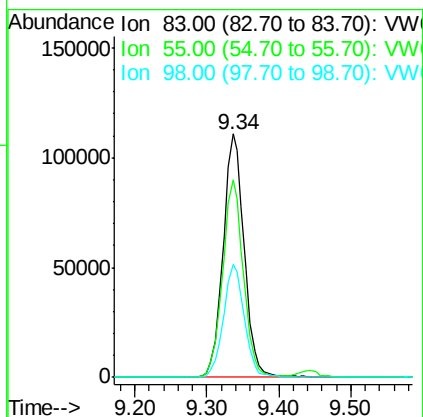
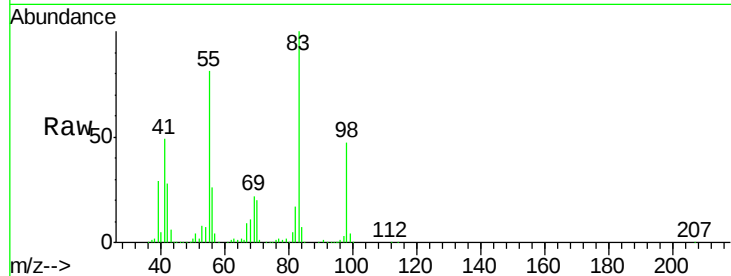




#39
Methylcyclohexane
Concen: 54.527 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

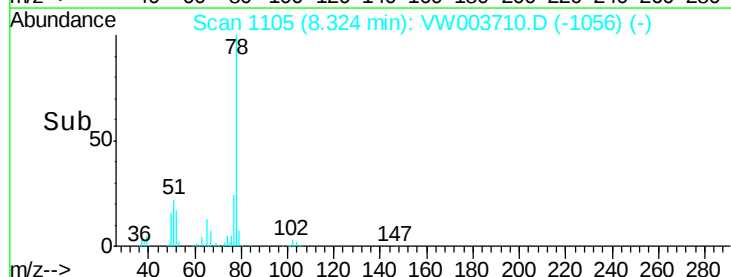
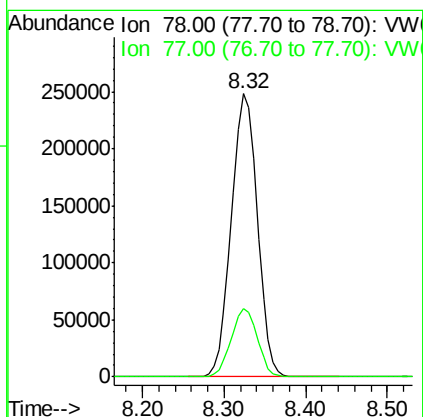
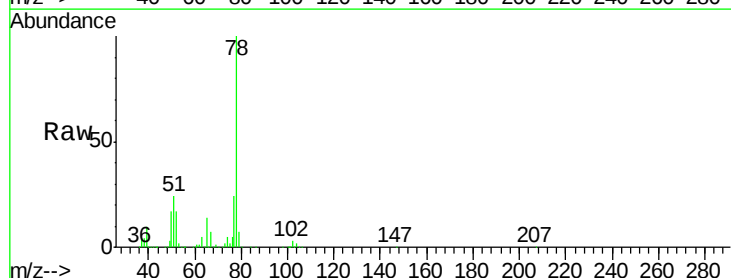
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

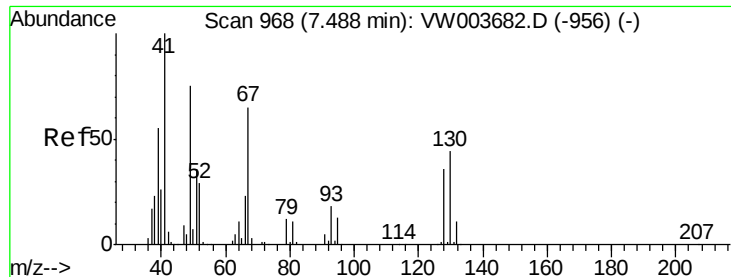
Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.3	65.3	97.9
98	46.6	36.3	54.5



#40
Benzene
Concen: 53.914 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0

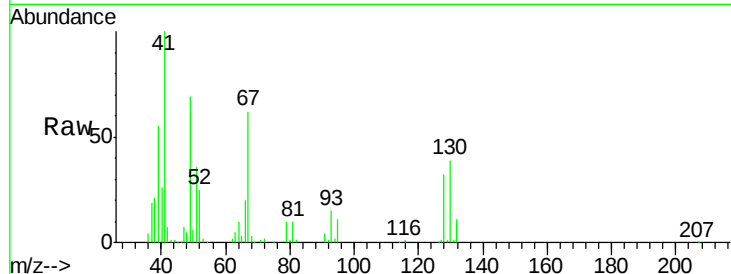




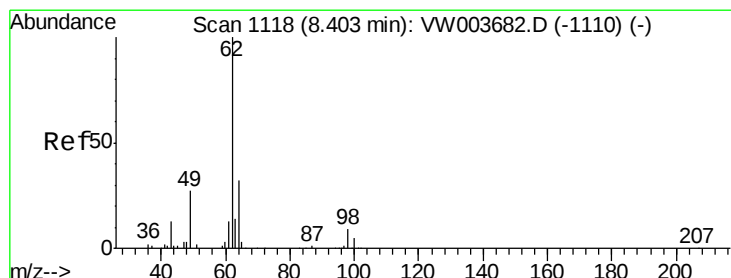
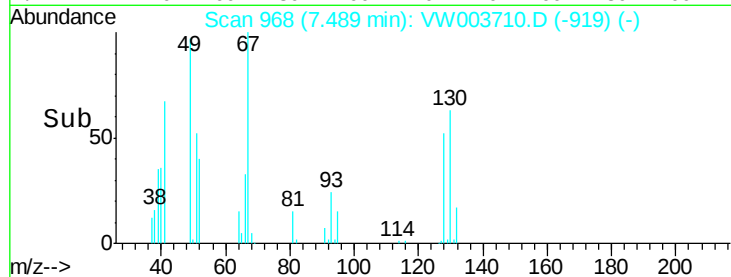
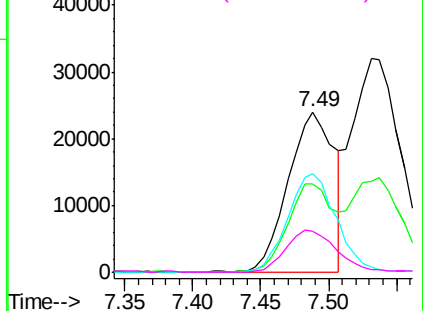
#41
Methacrylonitrile
Concen: 56.828 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	56555
Ion	Ratio	Lower	Upper
41	100		
39	54.1	47.8	71.8
67	65.1	53.9	80.9
52	29.3	25.0	37.6

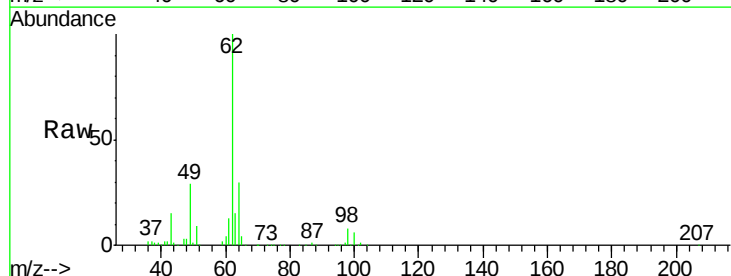


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

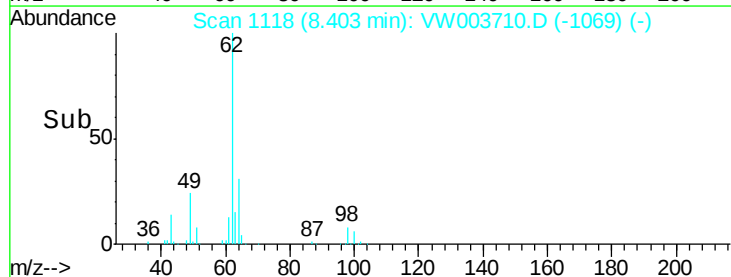
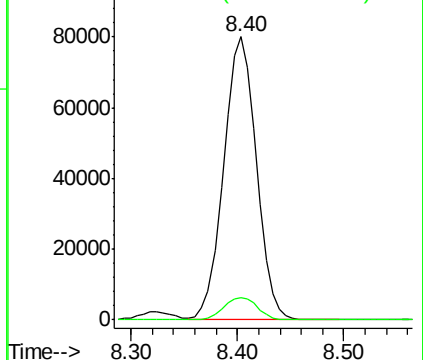


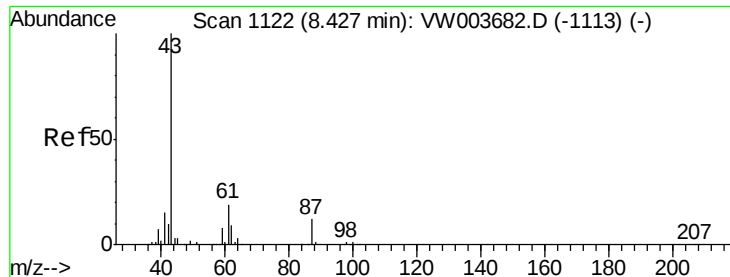
#42
1,2-Dichloroethane
Concen: 54.051 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion:	62	Resp:	172065
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW

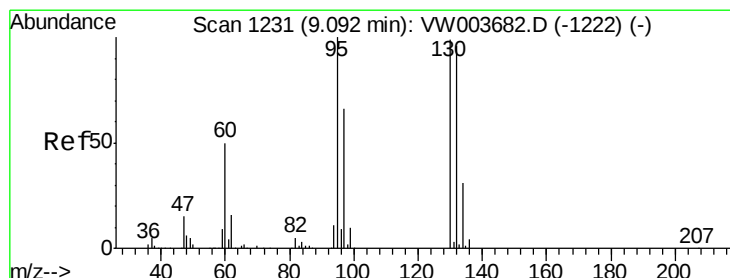
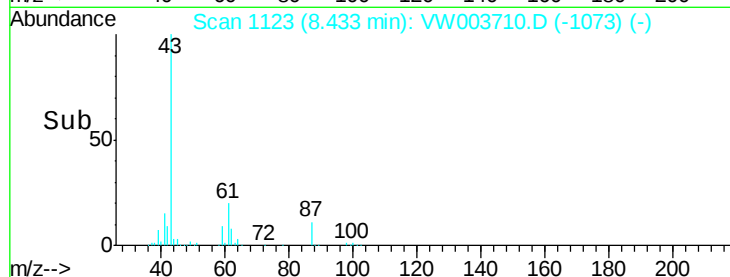
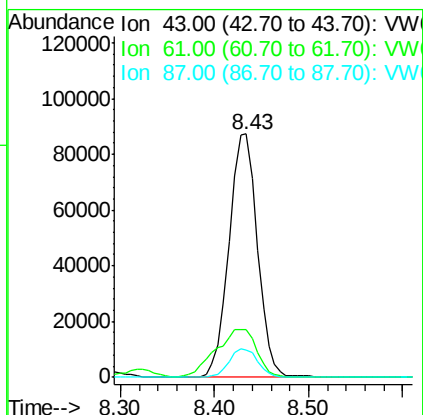
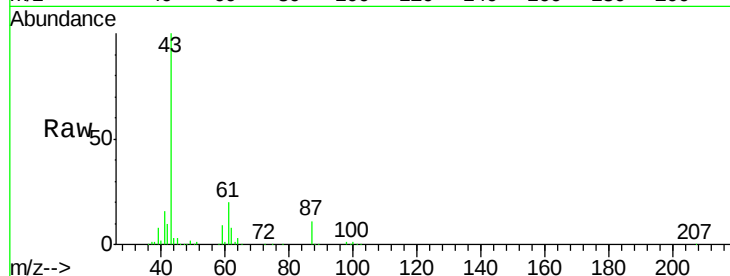




#43
Isopropyl Acetate
Concen: 55.744 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

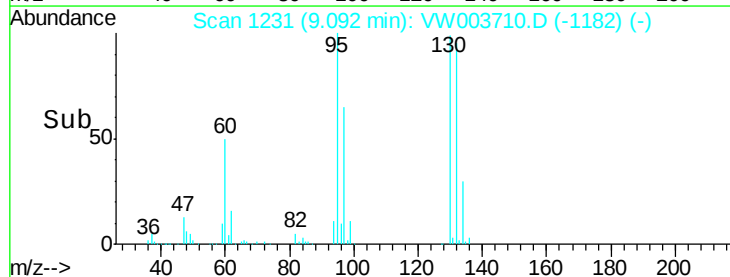
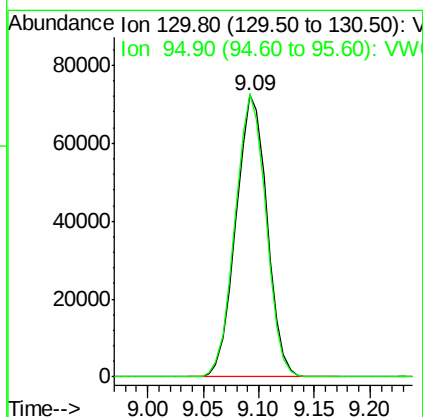
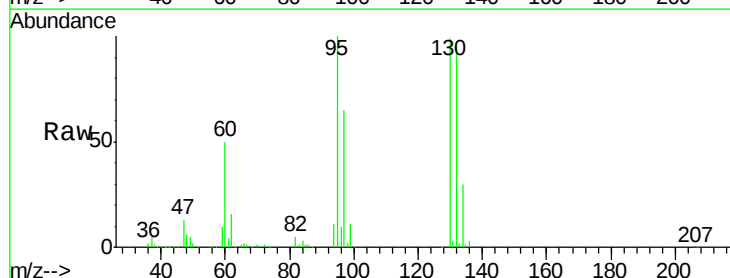
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

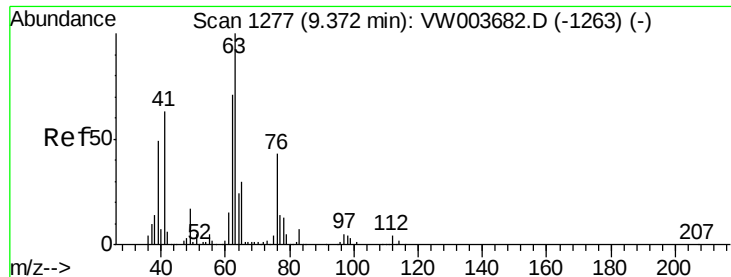
Tgt Ion: 43 Resp: 183821
Ion Ratio Lower Upper
43 100
61 28.5 23.0 34.6
87 11.9 9.8 14.6



#44
Trichloroethene
Concen: 53.522 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 130 Resp: 139882
Ion Ratio Lower Upper
130 100
95 100.5 0.0 202.6

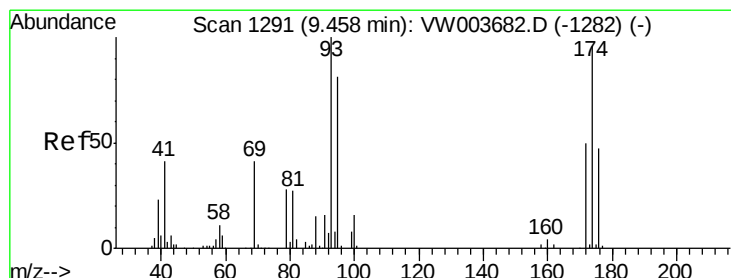
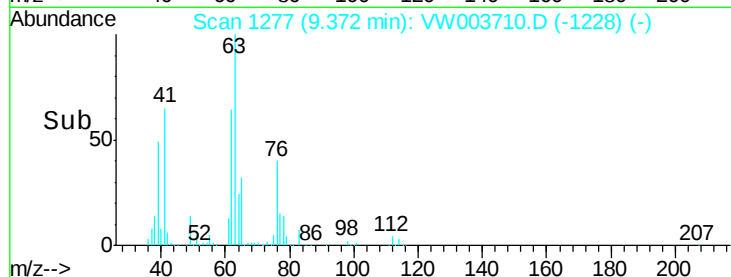
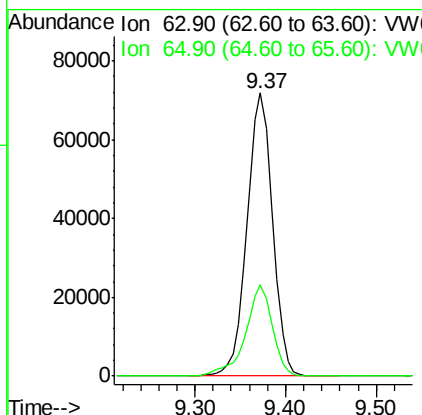
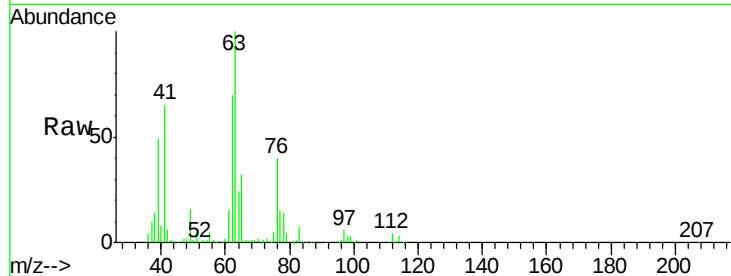




#45
 1,2-Dichloropropane
 Concen: 53.500 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

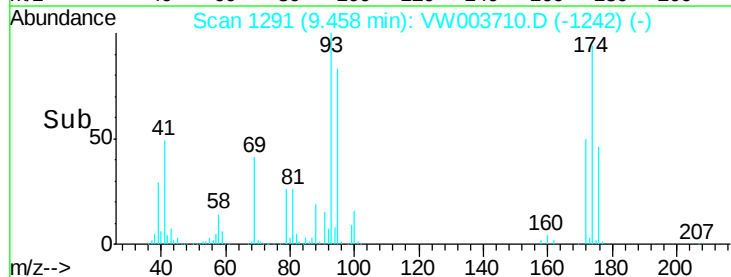
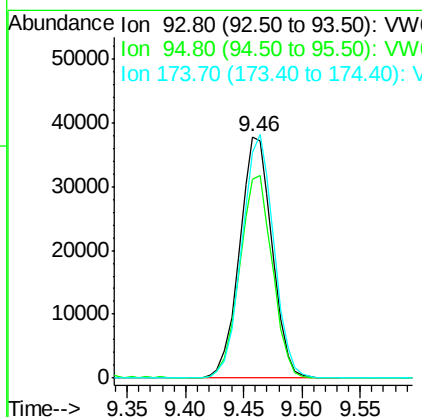
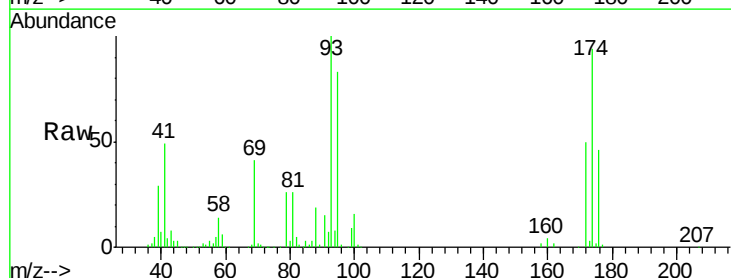
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

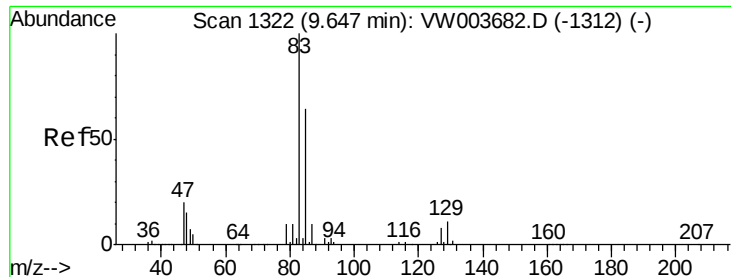
Tgt Ion: 63 Resp: 140312
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.3 36.5



#46
 Dibromomethane
 Concen: 53.914 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 93 Resp: 73432
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.2 99.4
 174 99.2 79.6 119.4





#47

Bromodichloromethane

Concen: 54.003 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

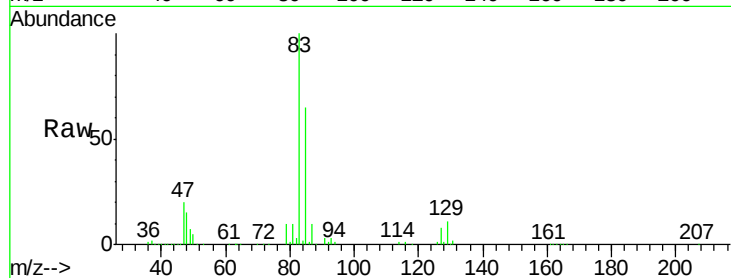
Tgt Ion: 83 Resp: 181824

Ion Ratio Lower Upper

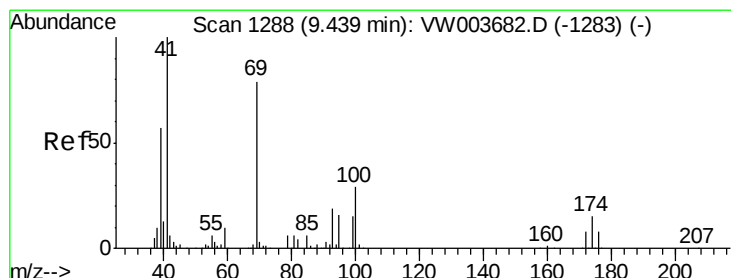
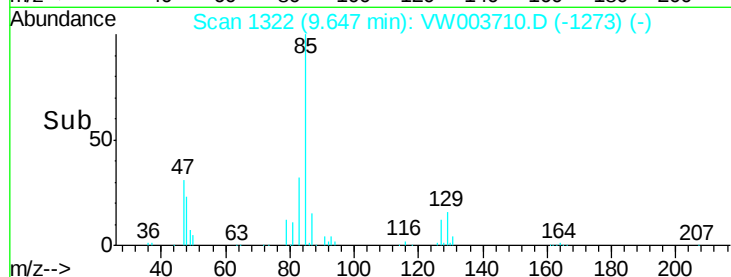
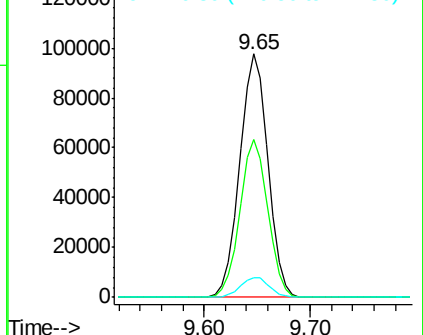
83 100

85 65.0 51.1 76.7

127 8.0 6.5 9.7



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: 50.619 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

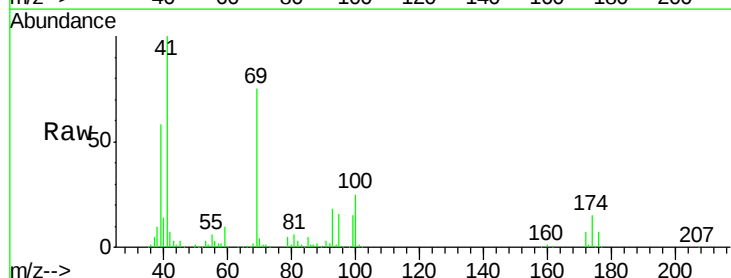
Tgt Ion: 41 Resp: 88285

Ion Ratio Lower Upper

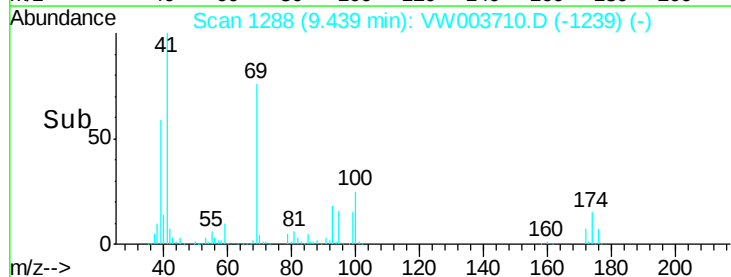
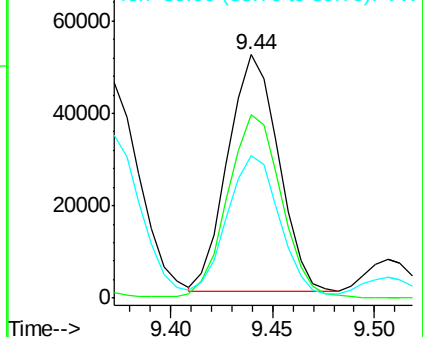
41 100

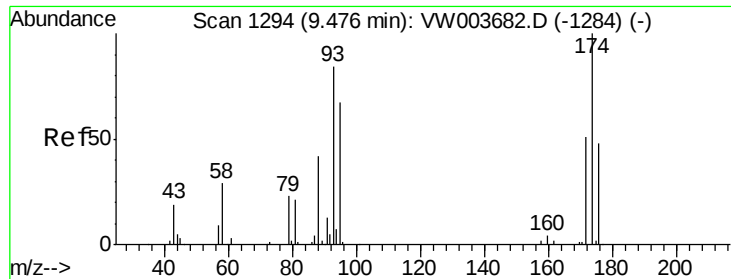
69 82.0 65.4 98.2

39 63.2 50.0 75.0



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: 1123.639 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

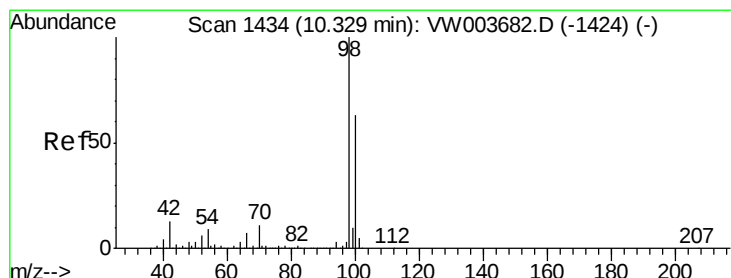
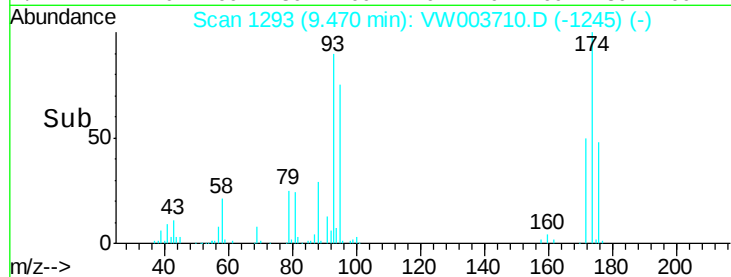
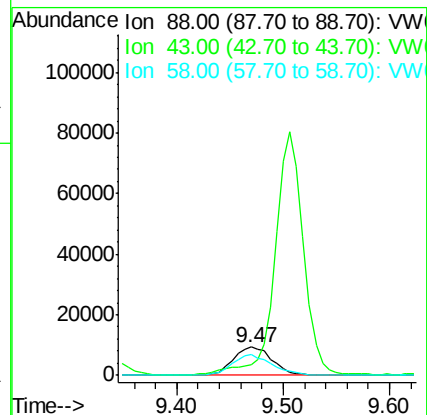
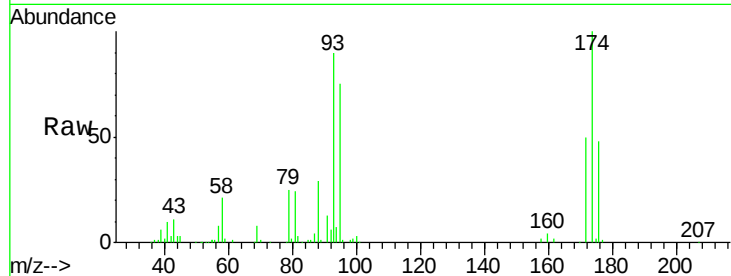
Tgt Ion: 88 Resp: 24008

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 75.5 61.8 92.6



#50

Toluene-d8

Concen: 50.884 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003710.D

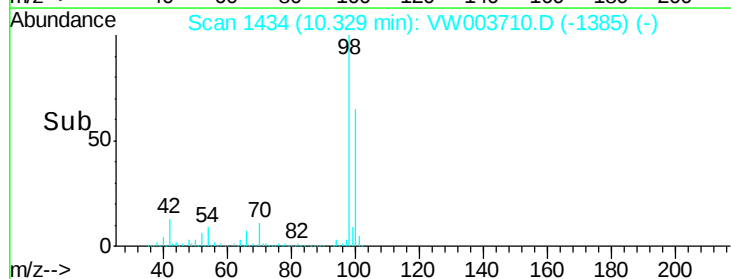
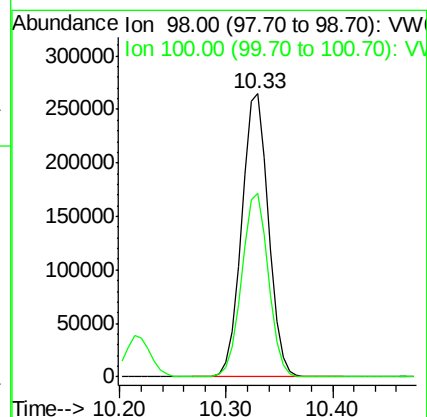
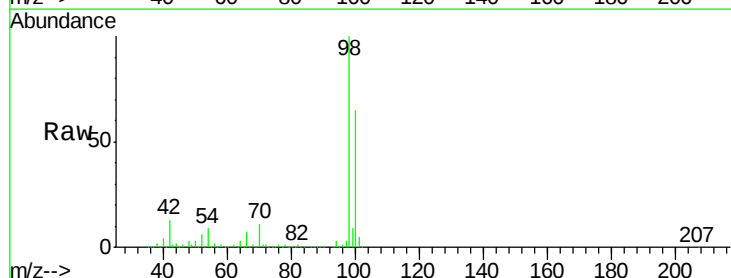
Acq: 03 Jul 2018 20:36

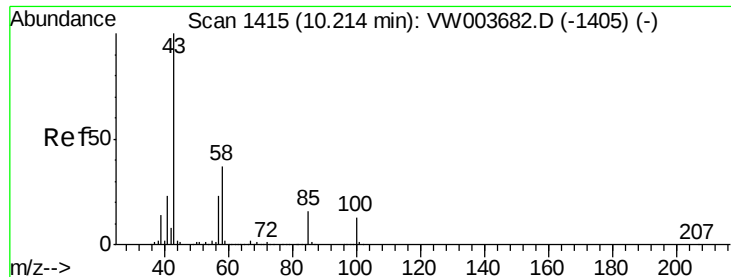
Tgt Ion: 98 Resp: 466836

Ion Ratio Lower Upper

98 100

100 64.6 50.8 76.2

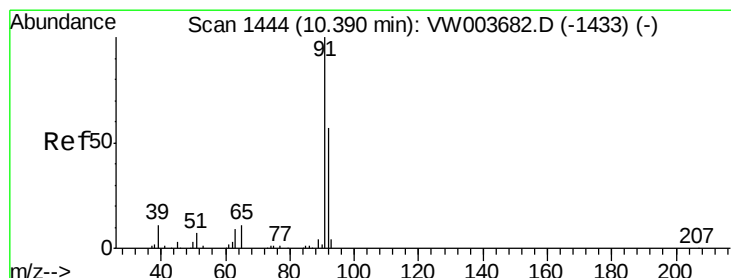
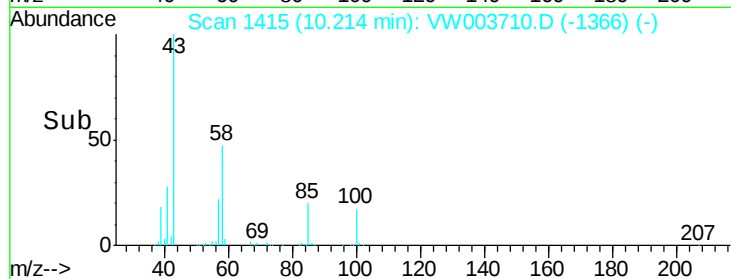
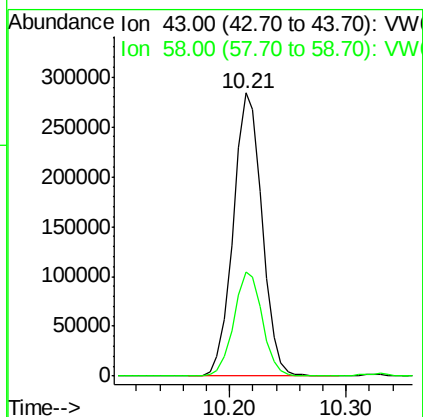
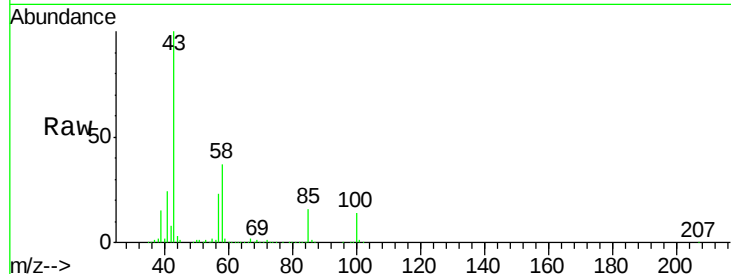




#51
 4-Methyl-2-Pentanone
 Concen: 282.239 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

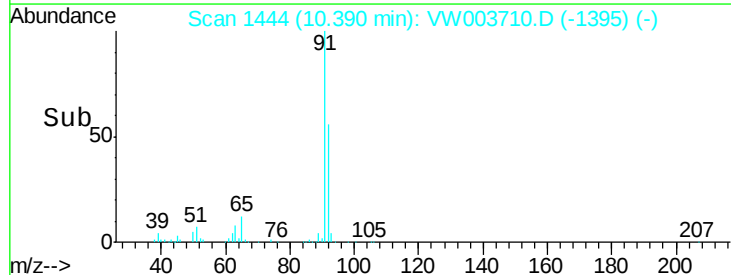
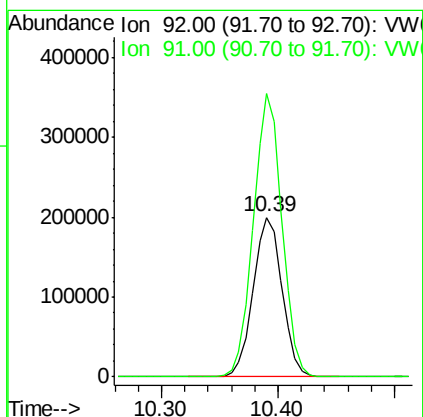
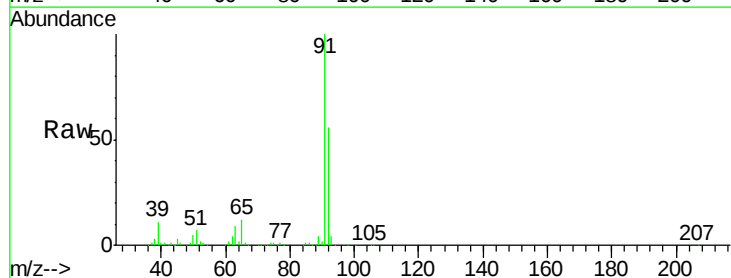
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

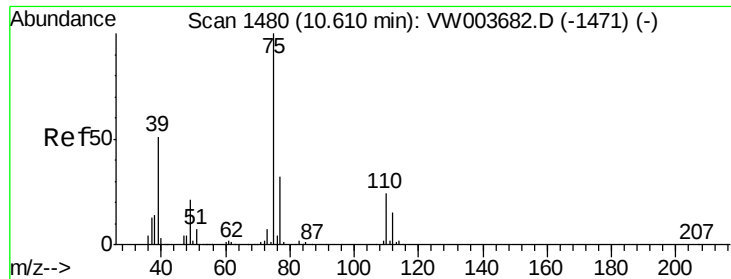
Tgt Ion: 43 Resp: 490423
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.6 44.4



#52
 Toluene
 Concen: 54.738 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 92 Resp: 345352
 Ion Ratio Lower Upper
 92 100
 91 175.6 140.2 210.2

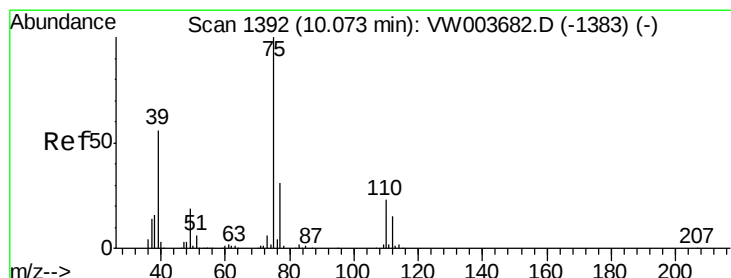
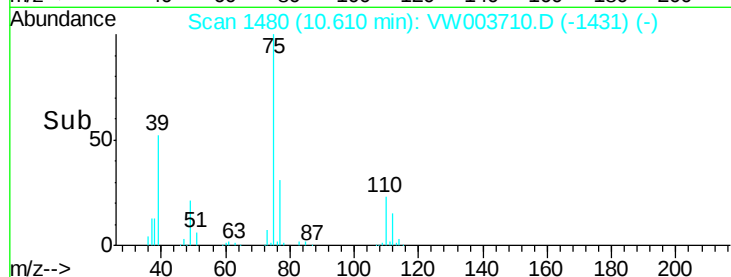
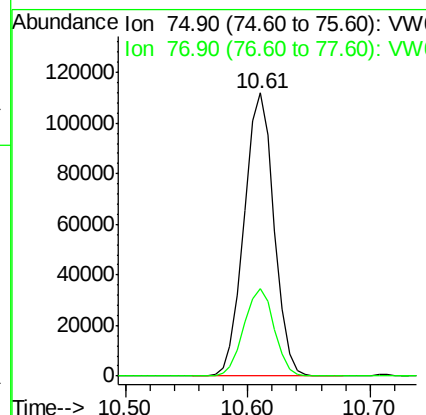
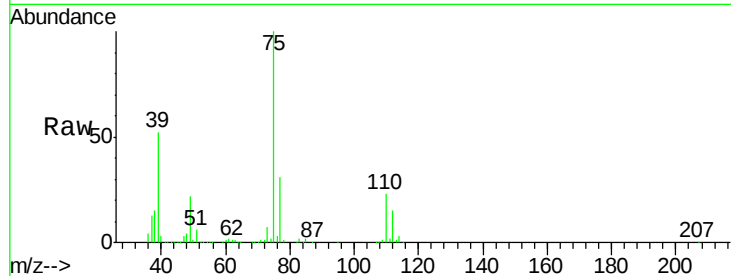




#53
t-1,3-Dichloropropene
Concen: 54.179 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

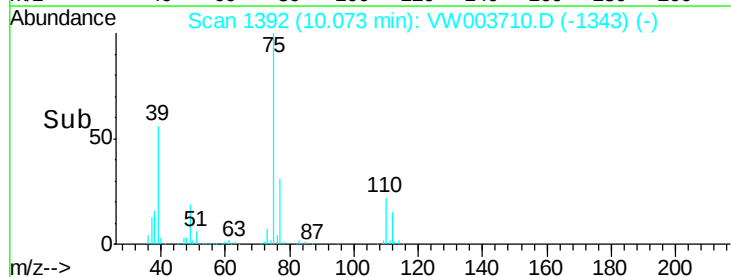
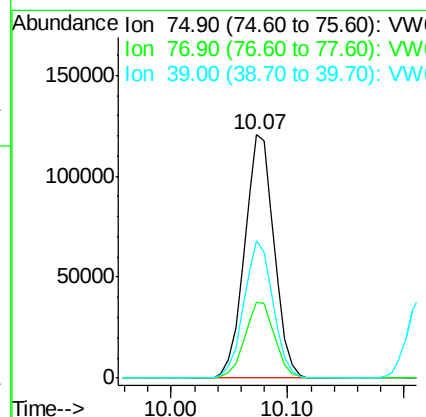
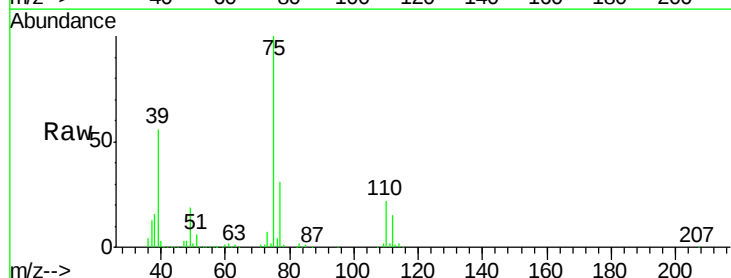
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

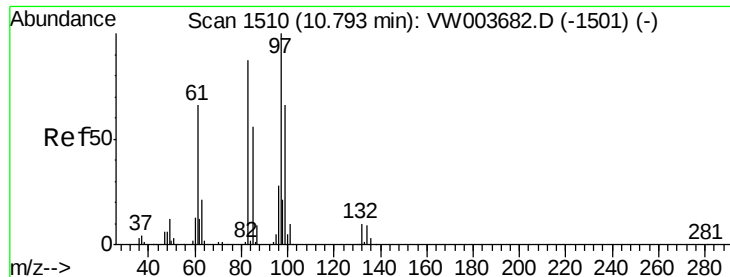
Tgt Ion: 75 Resp: 189248
Ion Ratio Lower Upper
75 100
77 31.0 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 53.586 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 75 Resp: 212204
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3
39 56.2 44.6 67.0

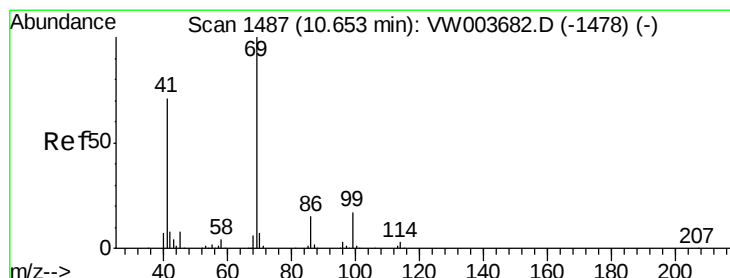
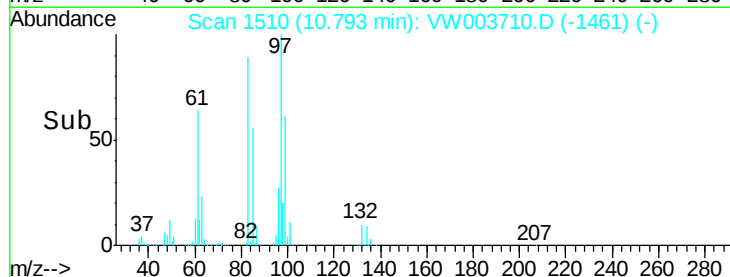
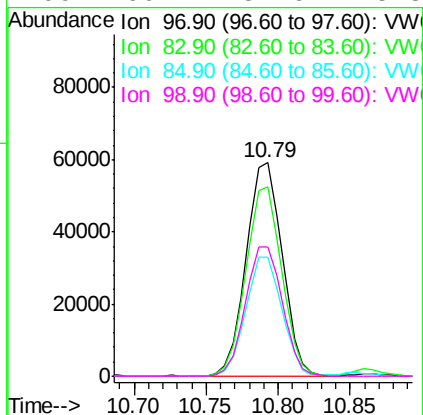
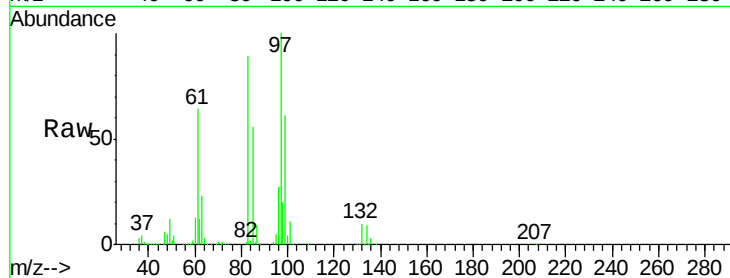




#55
 1,1,2-Trichloroethane
 Concen: 53.563 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

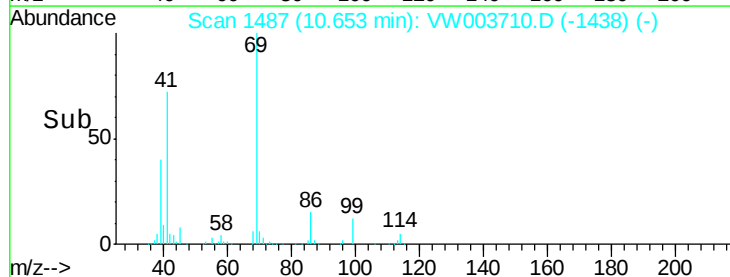
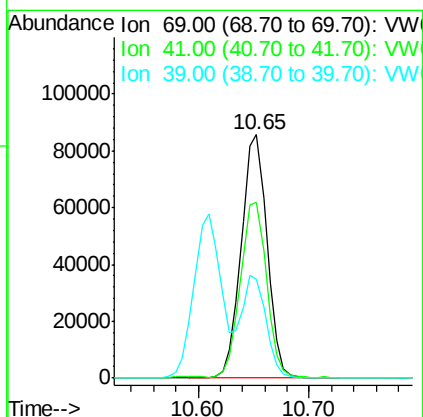
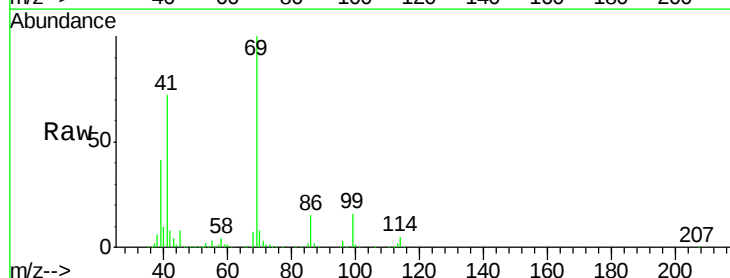
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

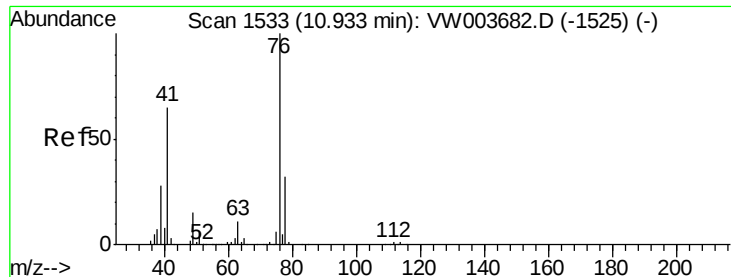
Tgt Ion:	97	Resp:	102782
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.5	104.3
85	55.9	44.7	67.1
99	60.7	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 50.818 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion:	69	Resp:	138557
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.5	86.3
39	41.5	29.4	44.0

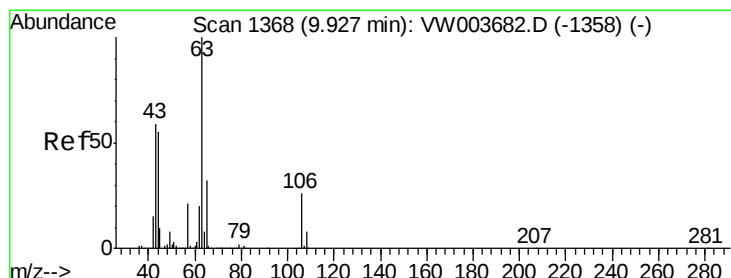
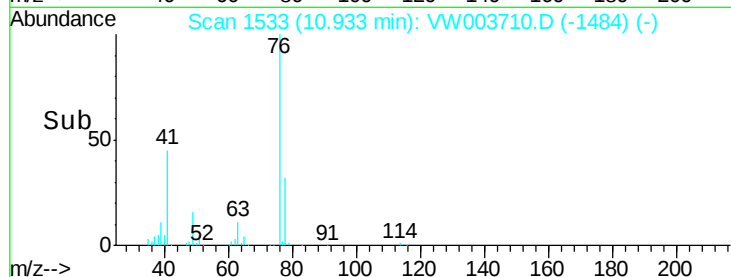
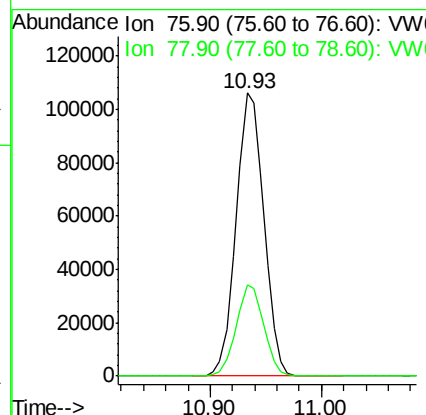
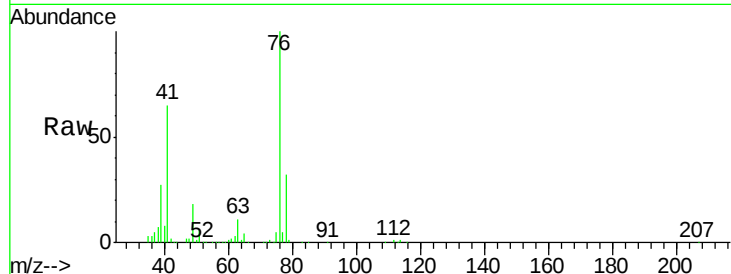




#57
 1,3-Dichloropropane
 Concen: 54.908 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

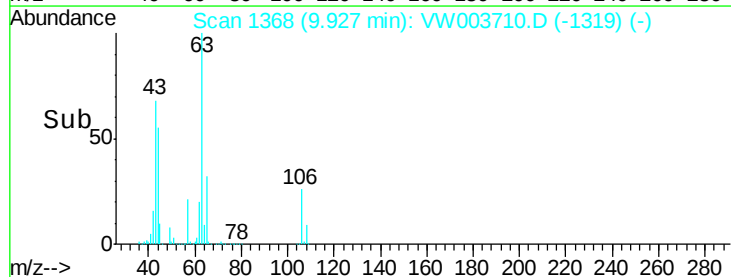
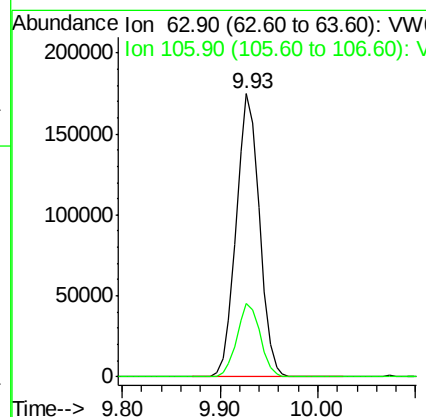
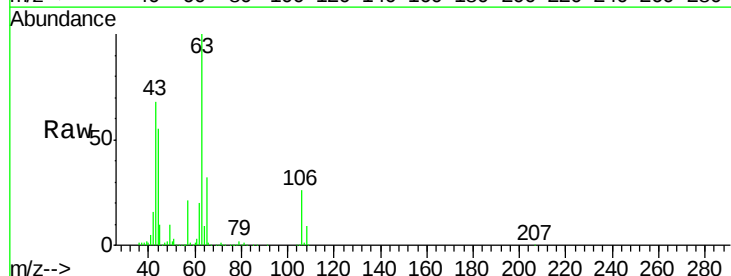
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

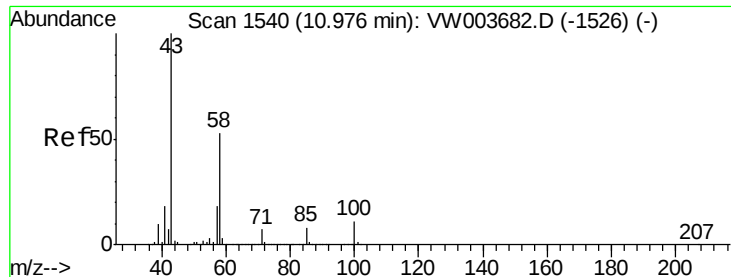
Tgt Ion: 76 Resp: 183034
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.938 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 63 Resp: 288153
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1

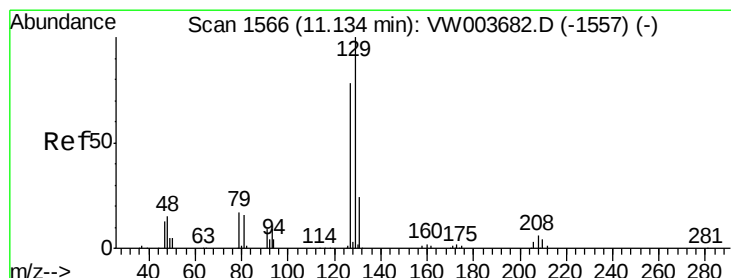
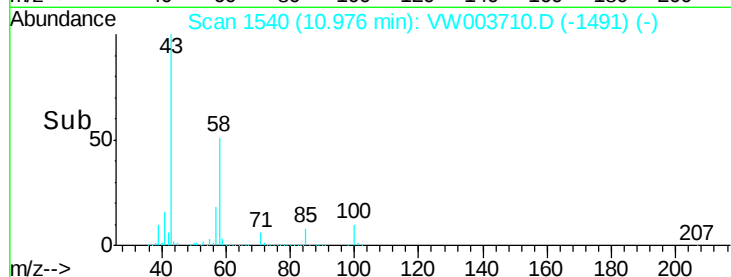
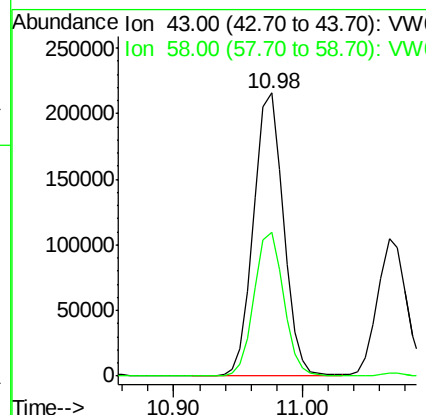
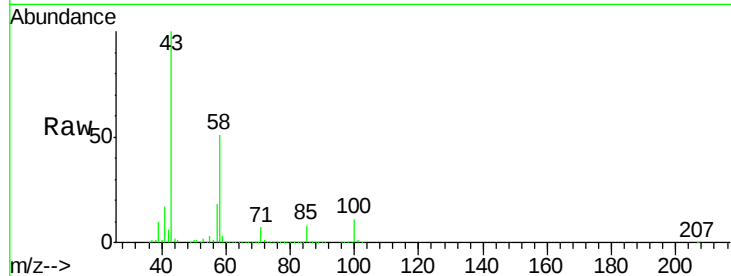




#59
2-Hexanone
Concen: 278.020 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

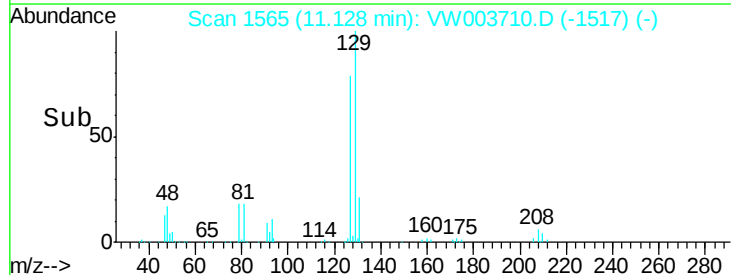
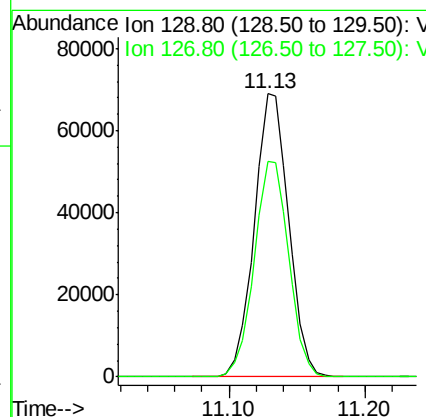
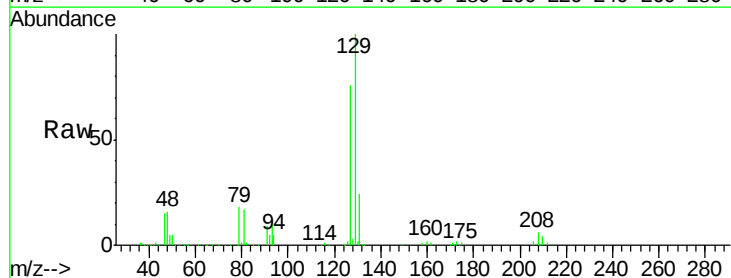
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

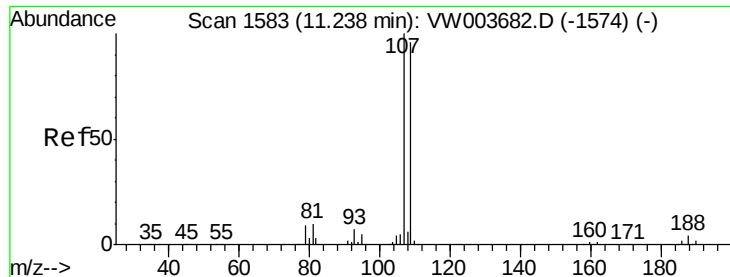
Tgt Ion: 43 Resp: 345332
Ion Ratio Lower Upper
43 100
58 50.3 25.9 77.6



#60
Dibromochloromethane
Concen: 54.498 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 129 Resp: 122252
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 54.739 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

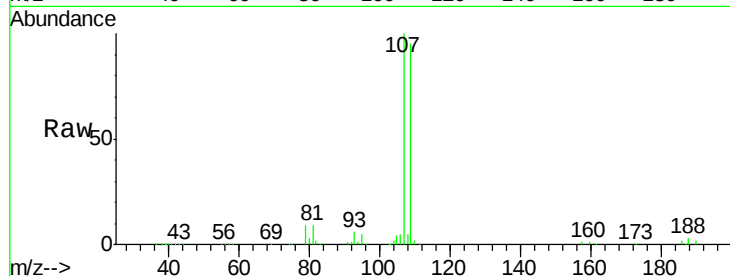
VSTDCCC050EC

Tgt Ion: 107 Resp: 100609

Ion Ratio Lower Upper

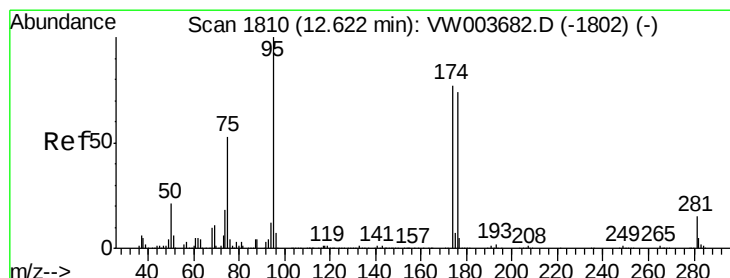
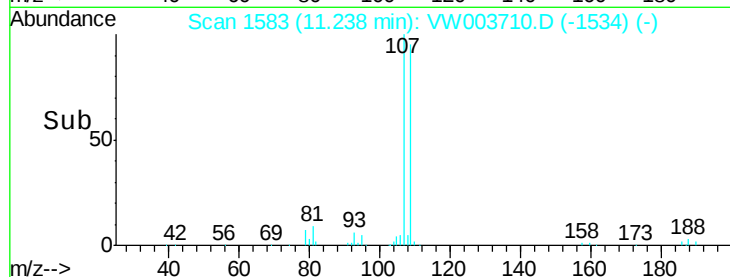
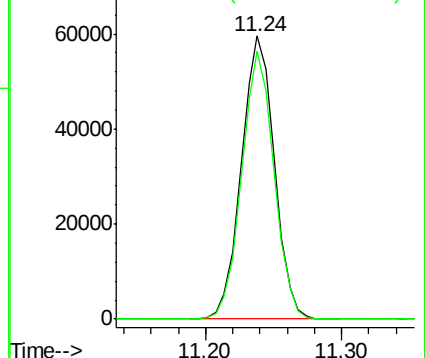
107 100

109 92.9 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.353 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

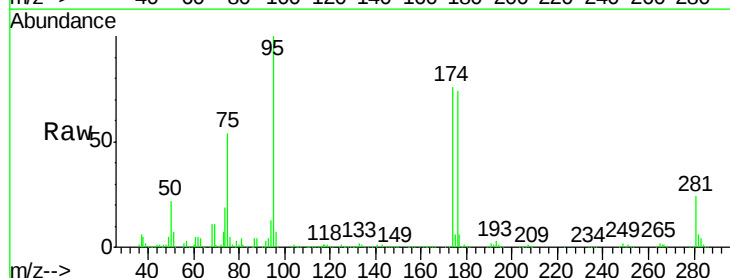
Tgt Ion: 95 Resp: 169259

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.2

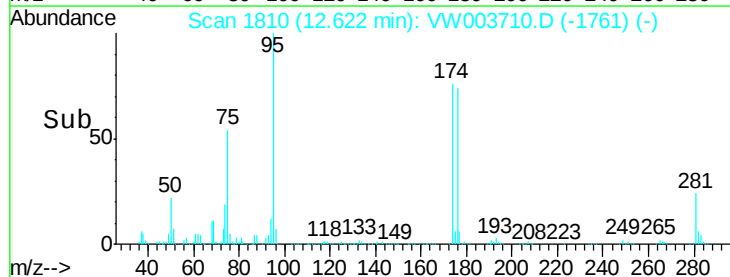
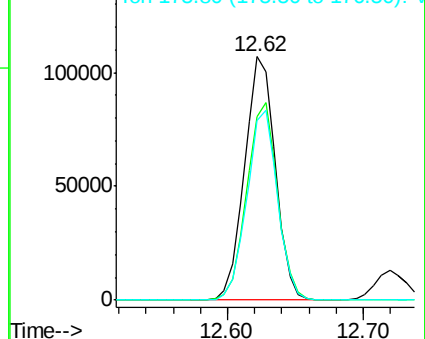
176 77.8 0.0 155.0

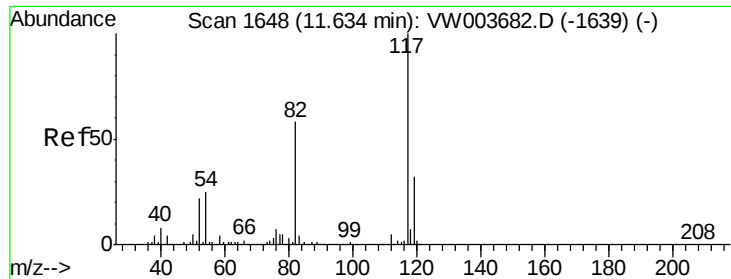


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

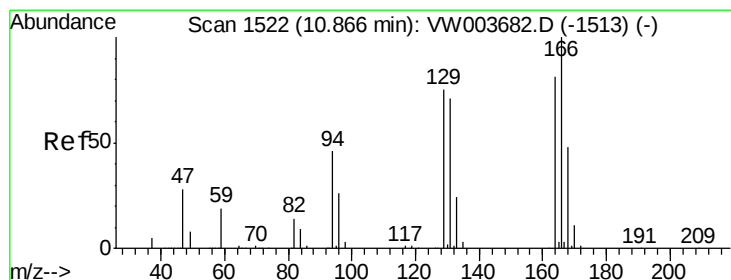
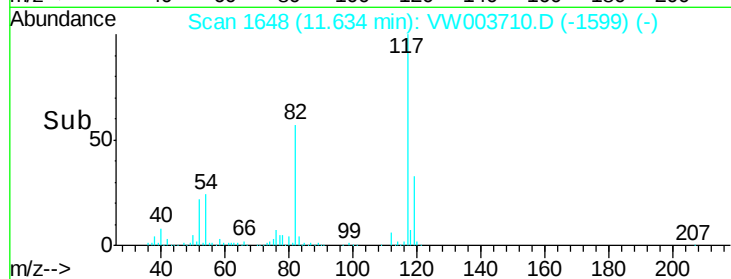
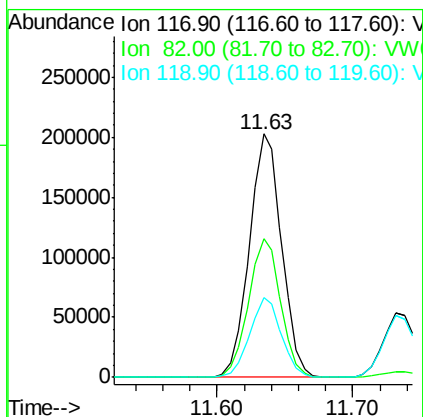
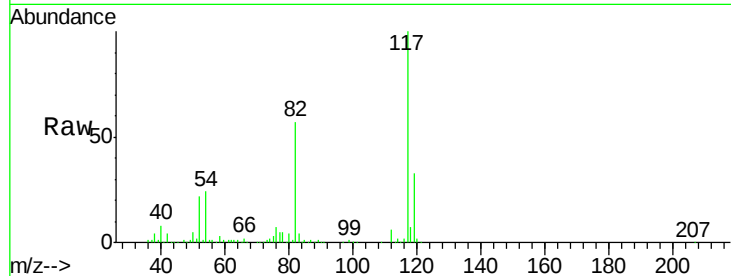




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

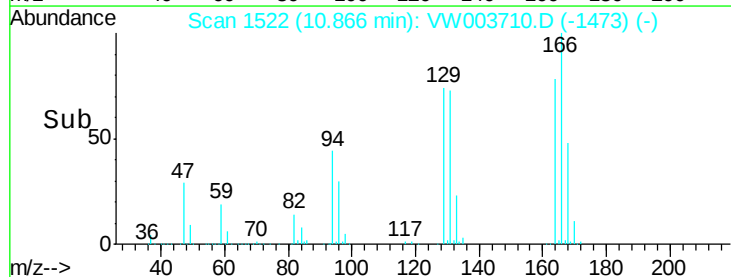
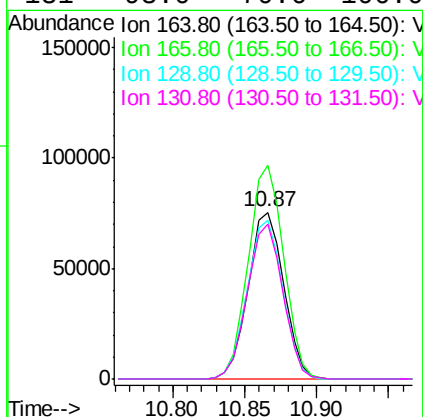
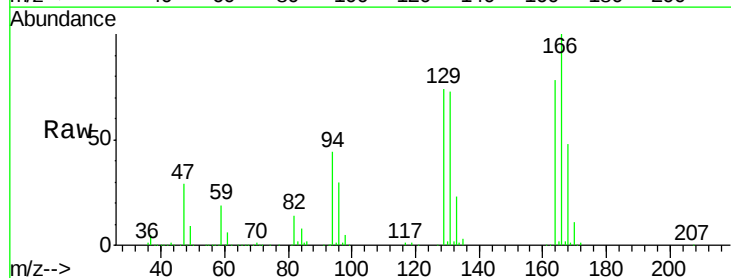
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

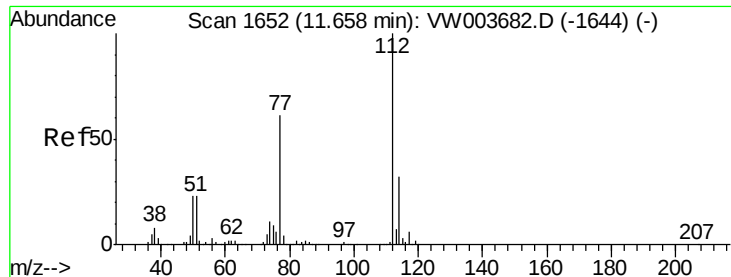
Tgt Ion:117 Resp: 336856
Ion Ratio Lower Upper
117 100
82 56.9 46.0 69.0
119 32.6 25.4 38.0



#64
Tetrachloroethene
Concen: 56.558 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion:164 Resp: 128768
Ion Ratio Lower Upper
164 100
166 128.0 99.0 148.4
129 95.2 73.8 110.6
131 93.0 70.6 106.0





#65

Chlorobenzene

Concen: 53.138 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

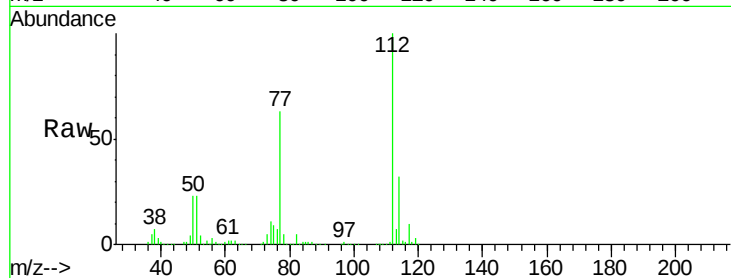
VSTDCCC050EC

Tgt Ion:112 Resp: 376322

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

250000

200000

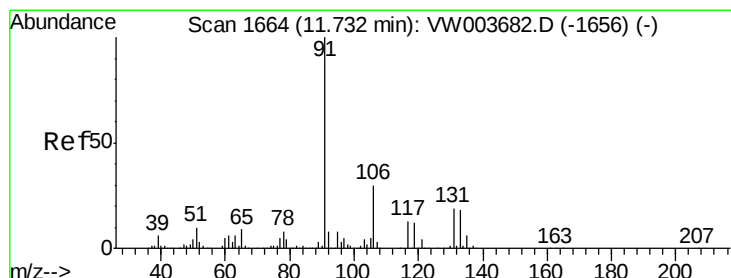
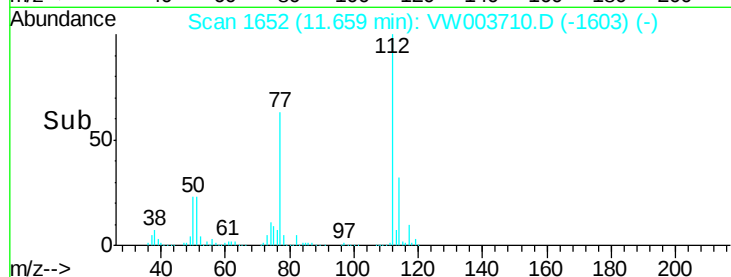
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.969 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

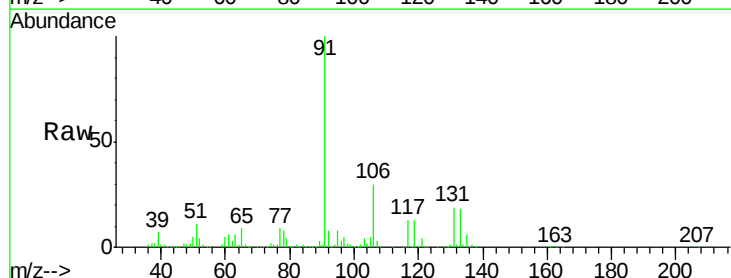
Tgt Ion:131 Resp: 131098

Ion Ratio Lower Upper

131 100

133 96.7 47.6 142.8

119 65.9 31.9 95.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

100000

80000

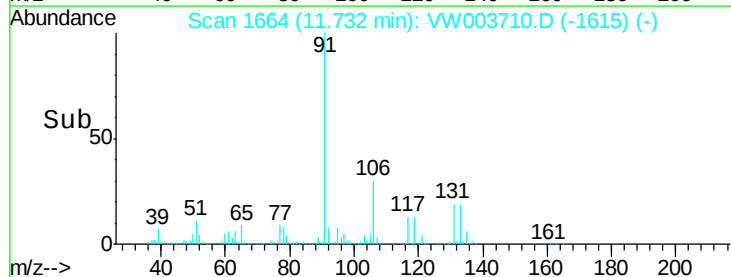
60000

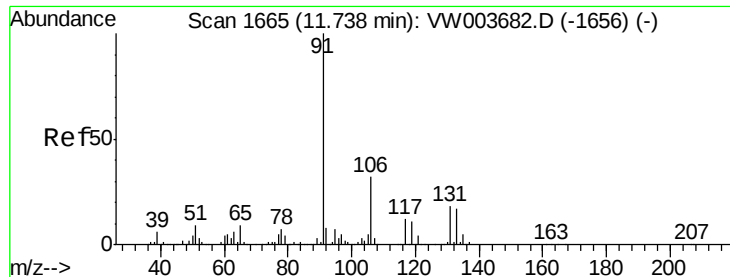
40000

20000

0

Time-->

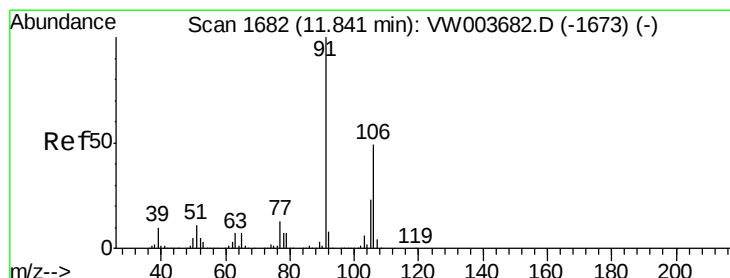
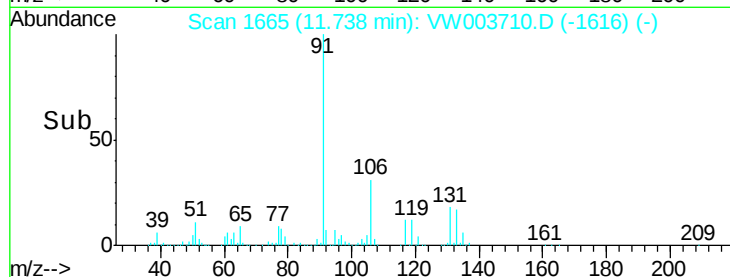
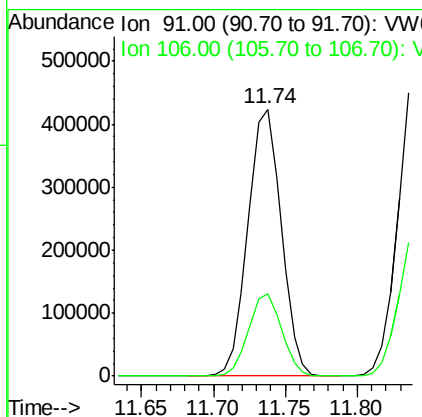
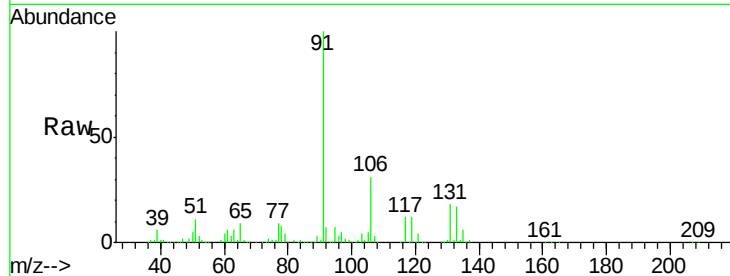




#67
Ethyl Benzene
Concen: 54.753 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

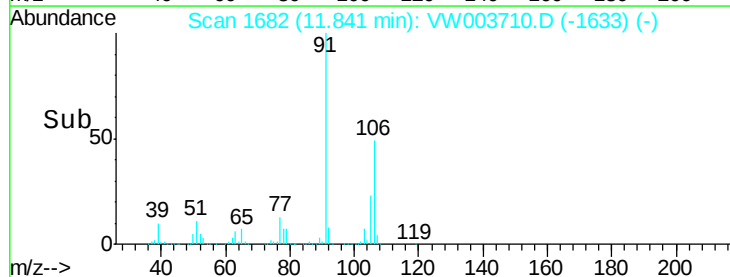
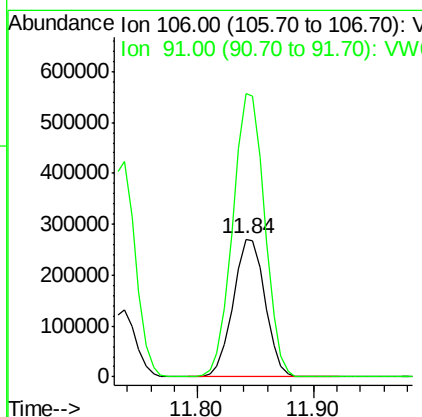
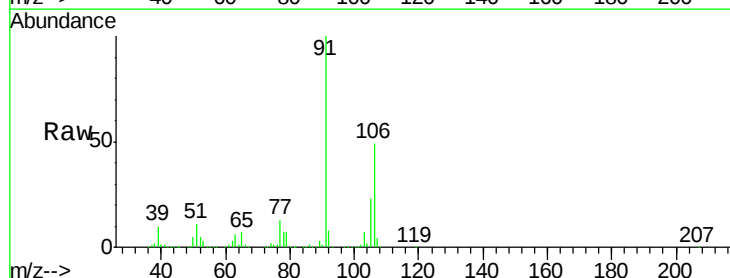
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

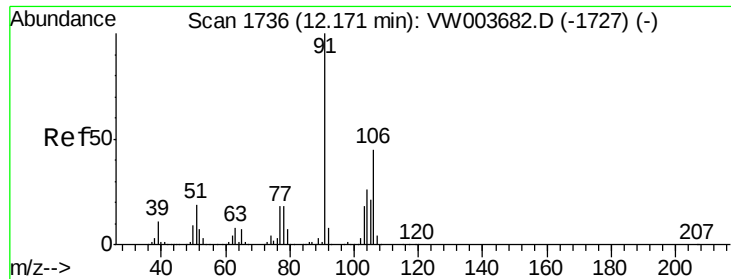
Tgt Ion: 91 Resp: 679410
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 109.164 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion: 106 Resp: 515112
Ion Ratio Lower Upper
106 100
91 206.4 163.7 245.5

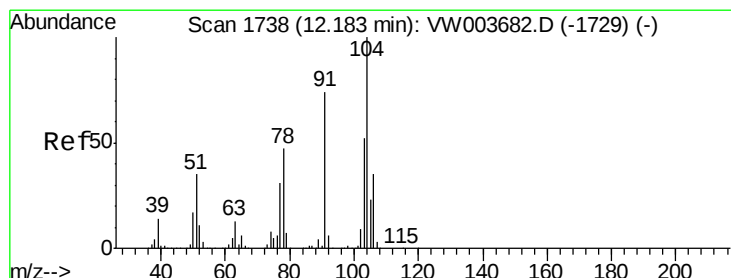
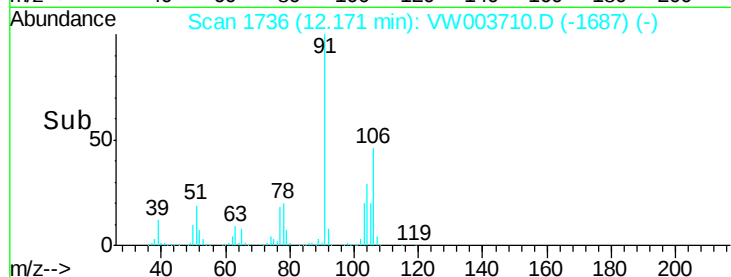
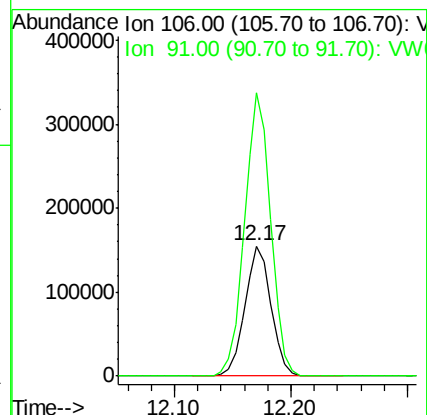
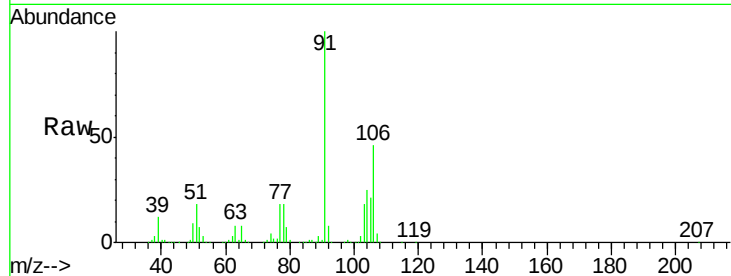




#69
o-Xylene
Concen: 55.435 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

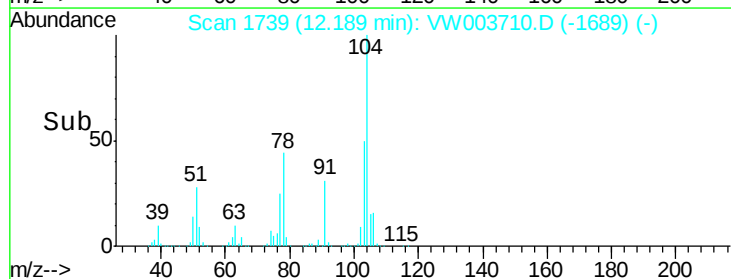
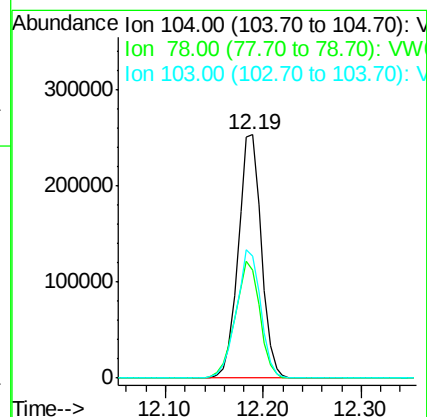
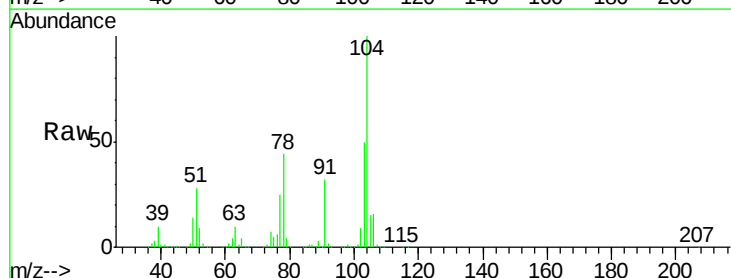
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

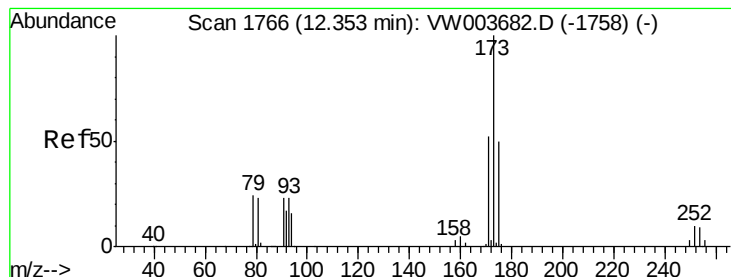
Tgt Ion:106 Resp: 241819
Ion Ratio Lower Upper
106 100
91 217.2 109.3 327.8



#70
Styrene
Concen: 56.350 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion:104 Resp: 412864
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 55.6 44.4 66.6





#71

Bromoform

Concen: 54.374 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

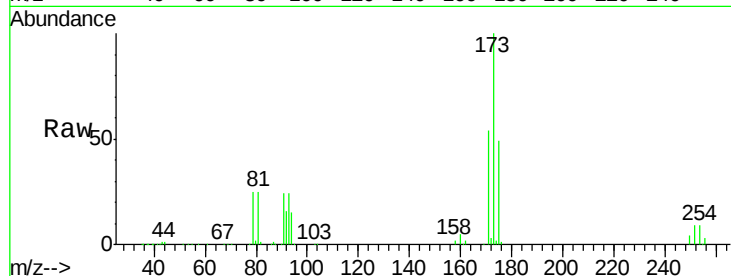
Tgt Ion:173 Resp: 74776

Ion Ratio Lower Upper

173 100

175 48.9 24.5 73.5

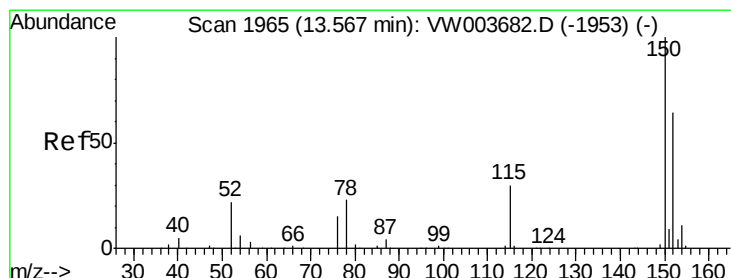
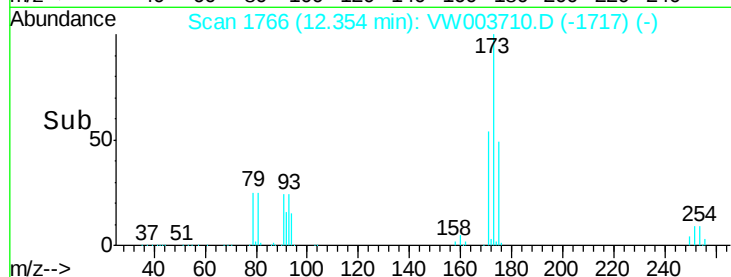
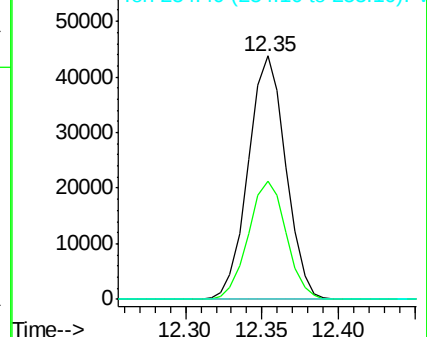
254 0.1 0.2 0.2#



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: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

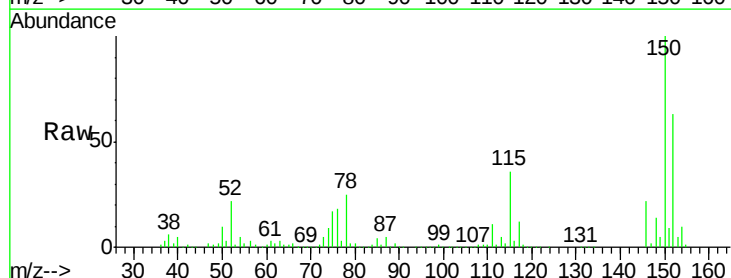
Tgt Ion:152 Resp: 180286

Ion Ratio Lower Upper

152 100

115 57.7 29.3 88.0

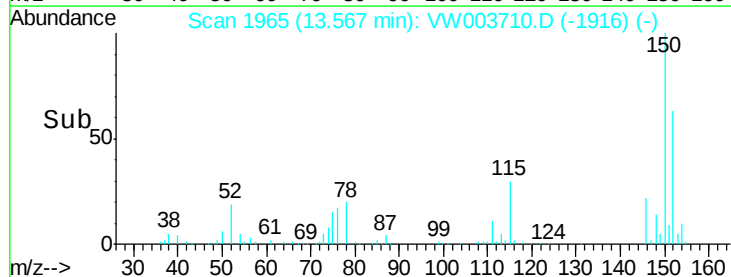
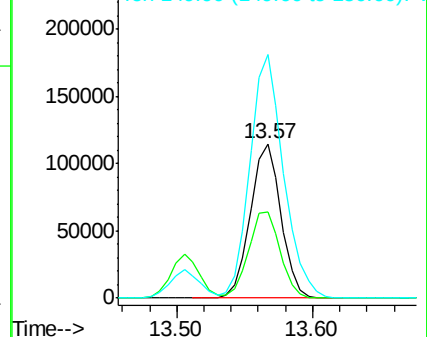
150 173.8 0.0 352.0

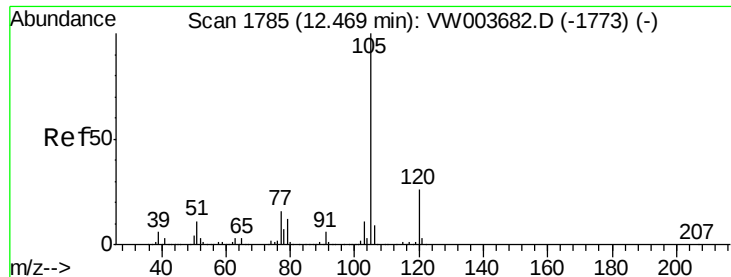


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.077 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

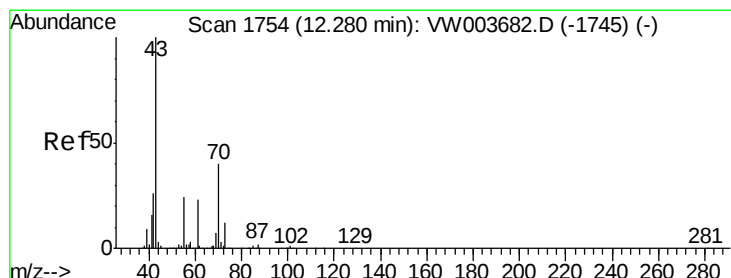
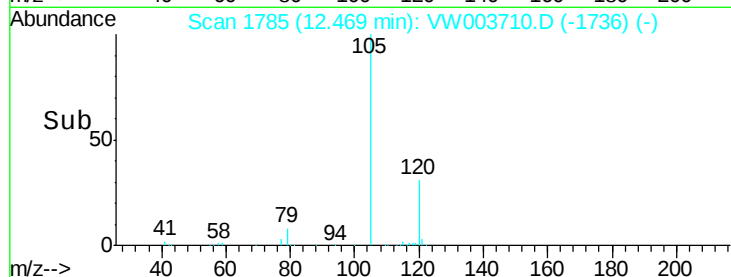
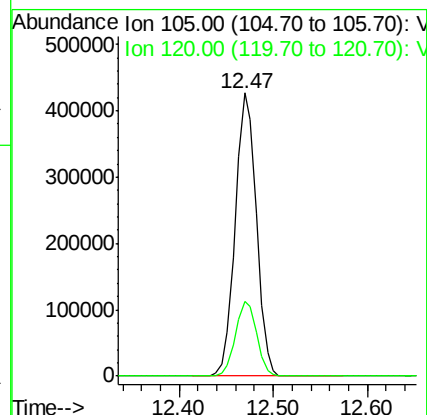
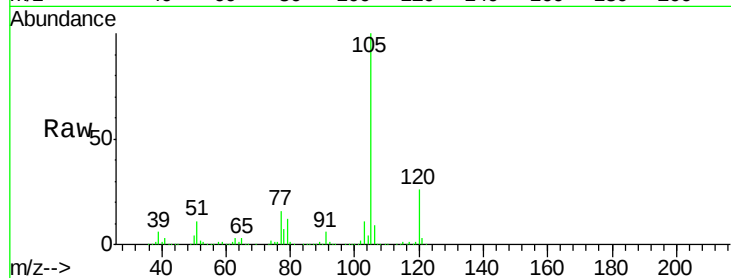
VSTDCCC050EC

Tgt Ion: 105 Resp: 663170

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 56.414 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Tgt Ion: 43 Resp: 182681

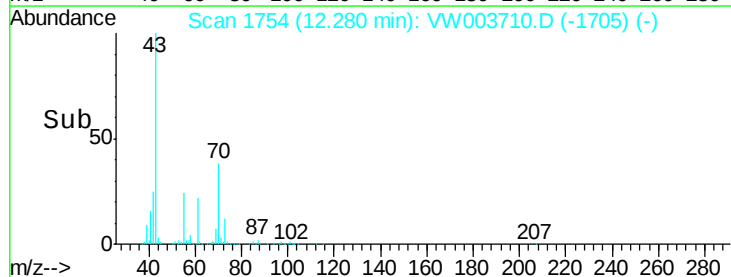
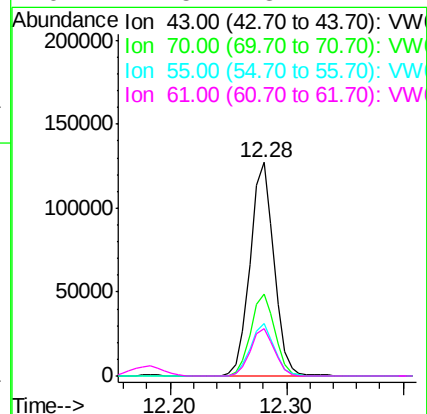
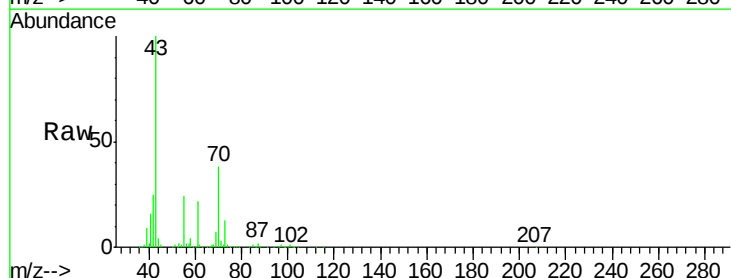
Ion Ratio Lower Upper

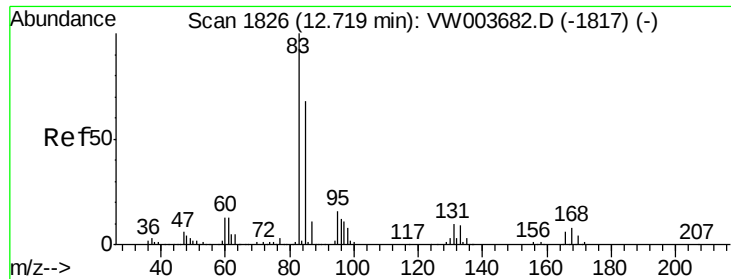
43 100

70 38.7 31.3 46.9

55 24.6 20.1 30.1

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.894 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

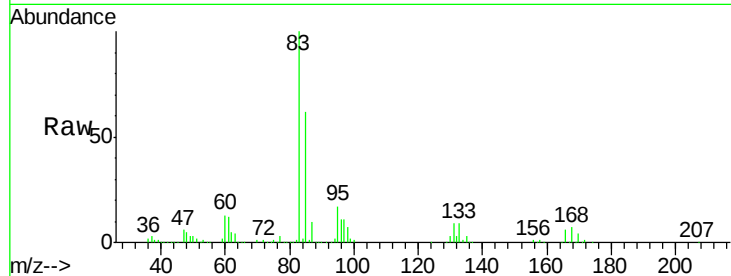
Tgt Ion: 83 Resp: 126878

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

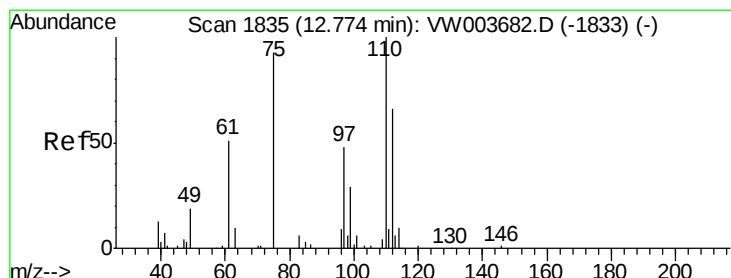
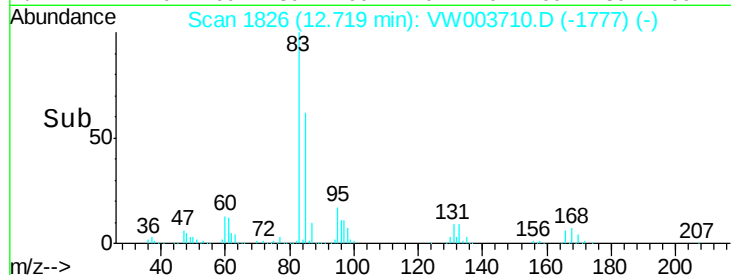
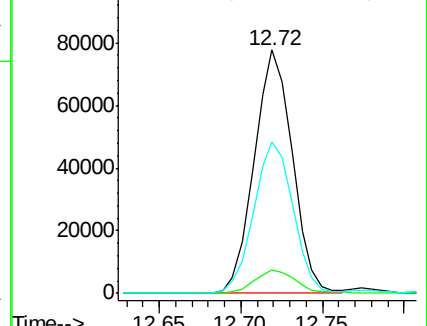
85 64.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 105.924 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003710.D

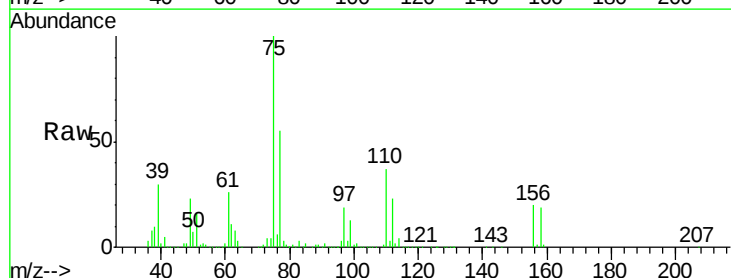
Acq: 03 Jul 2018 20:36

Tgt Ion: 75 Resp: 171706

Ion Ratio Lower Upper

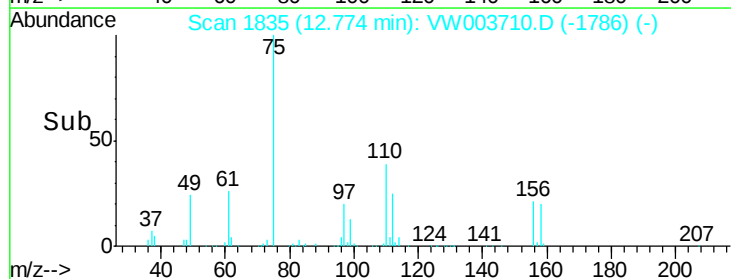
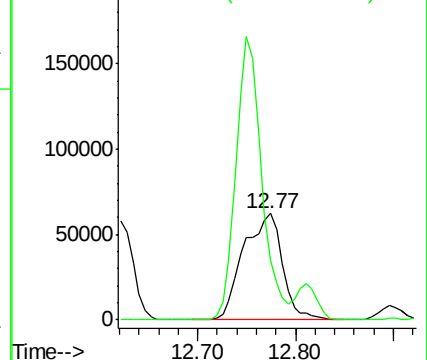
75 100

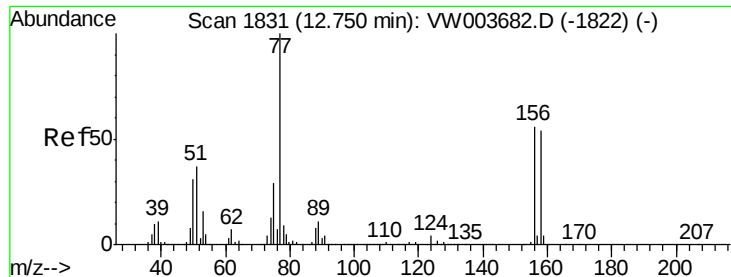
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.697 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

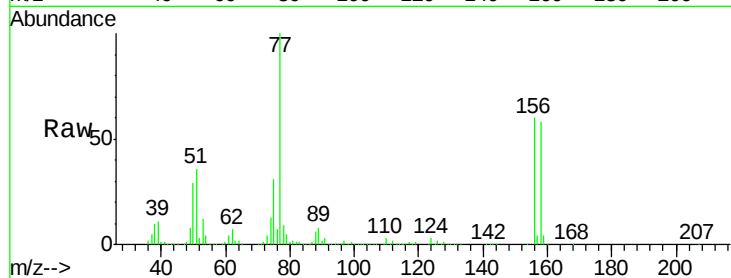
Tgt Ion:156 Resp: 155096

Ion Ratio Lower Upper

156 100

77 195.4 95.8 287.4

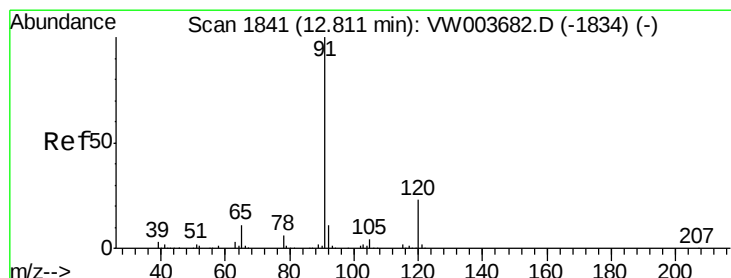
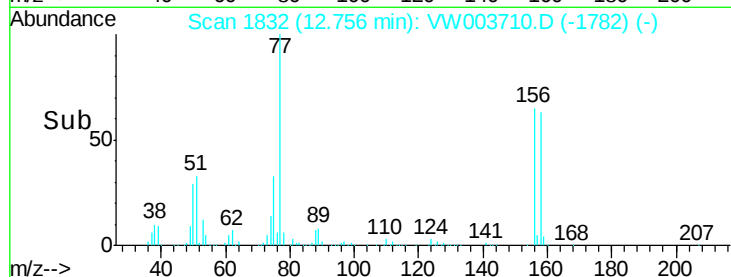
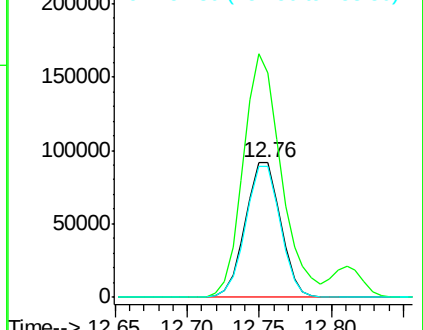
158 96.0 48.2 144.6



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: 54.451 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003710.D

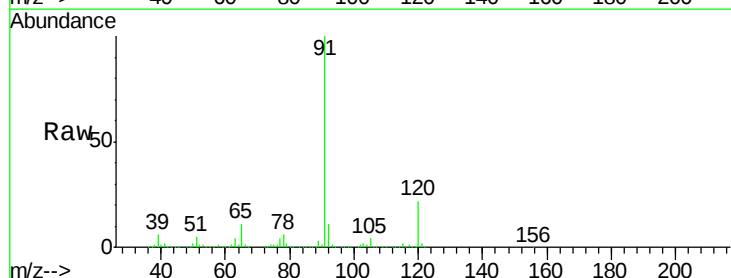
Acq: 03 Jul 2018 20:36

Tgt Ion: 91 Resp: 824931

Ion Ratio Lower Upper

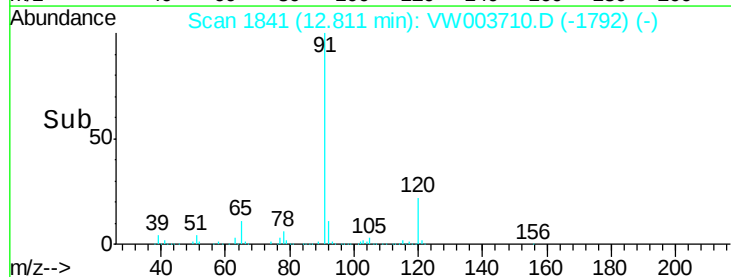
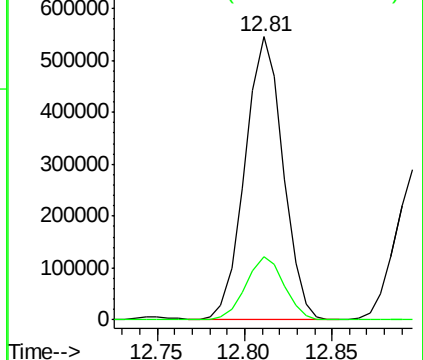
91 100

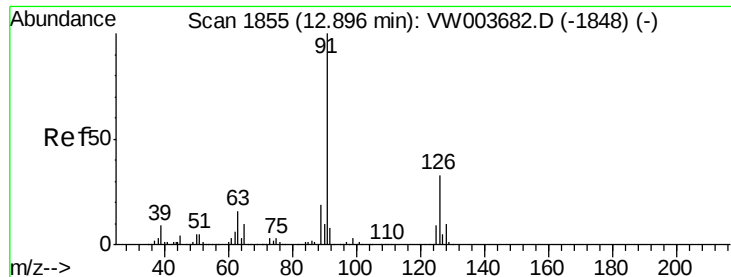
120 22.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

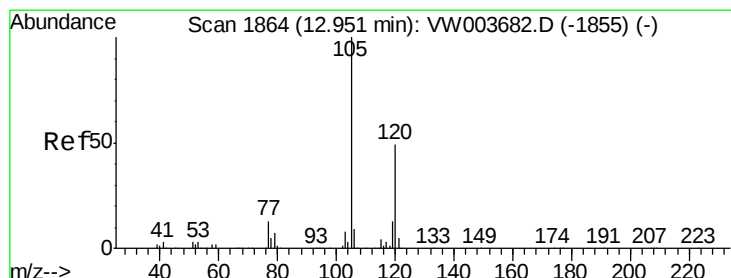
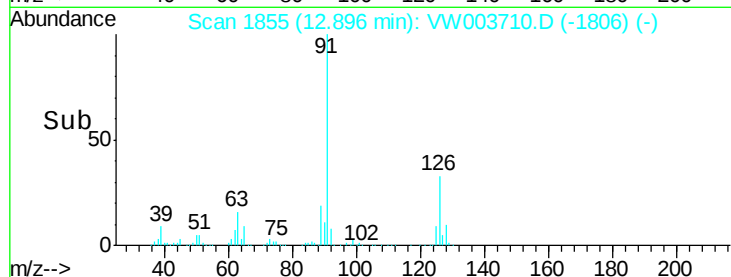
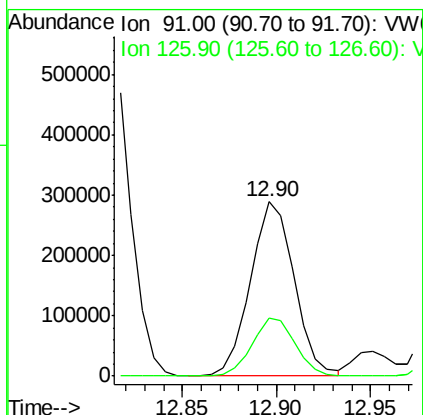
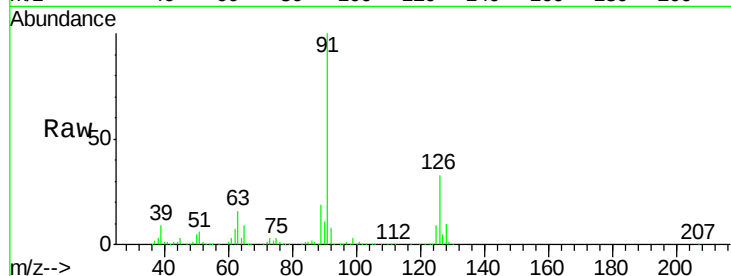




#79
 2-Chlorotoluene
 Concen: 54.231 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

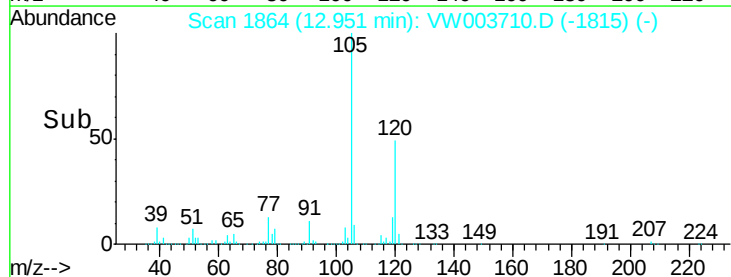
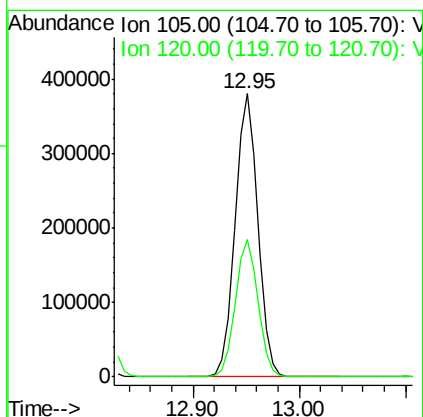
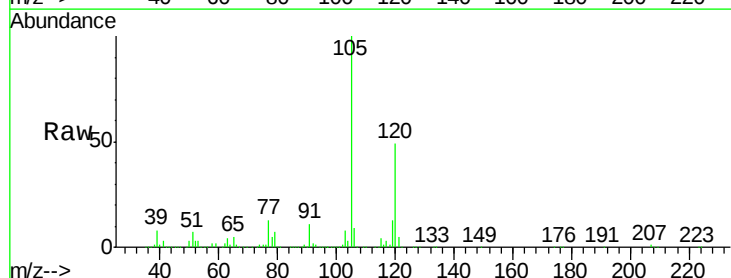
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

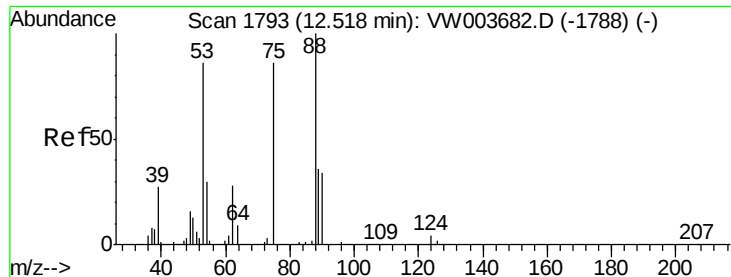
Tgt Ion: 91 Resp: 467534
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 54.851 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 105 Resp: 569046
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.102 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

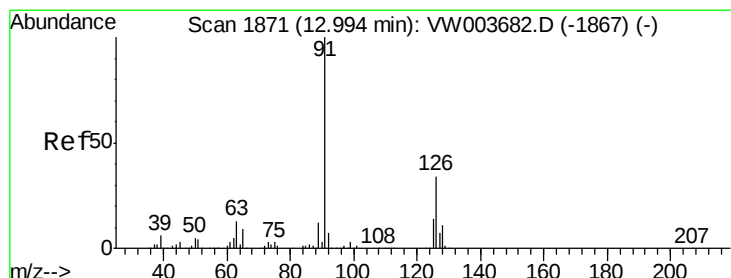
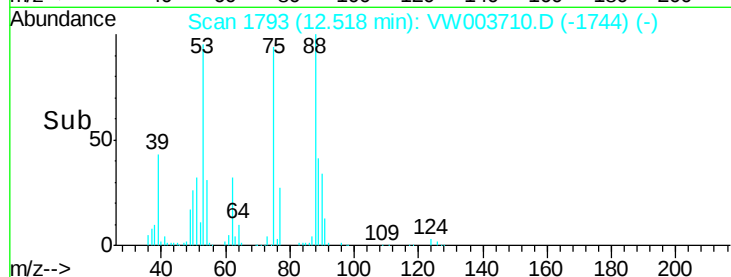
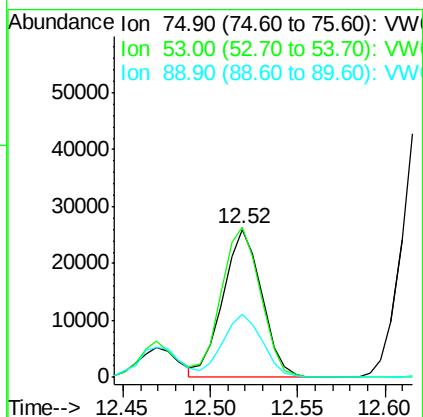
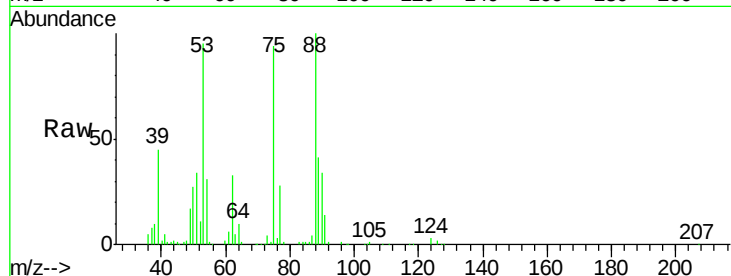
Tgt Ion: 75 Resp: 39859

Ion Ratio Lower Upper

75 100

53 104.0 82.4 123.6

89 43.2 35.9 53.9



#82

4-Chlorotoluene

Concen: 54.528 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003710.D

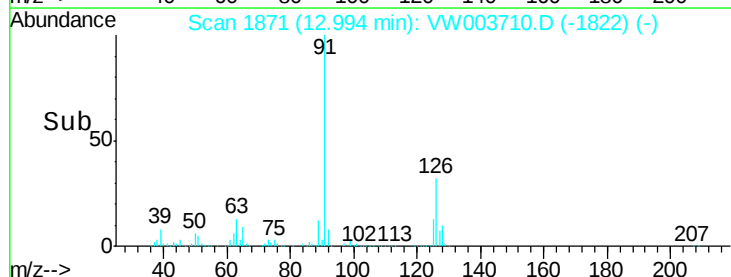
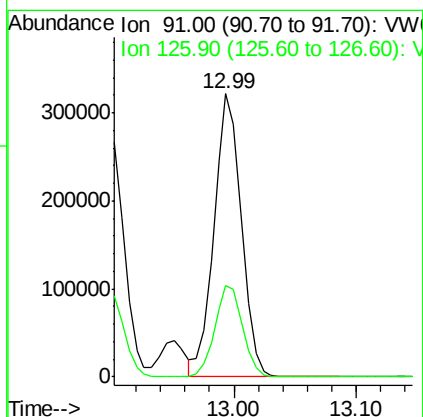
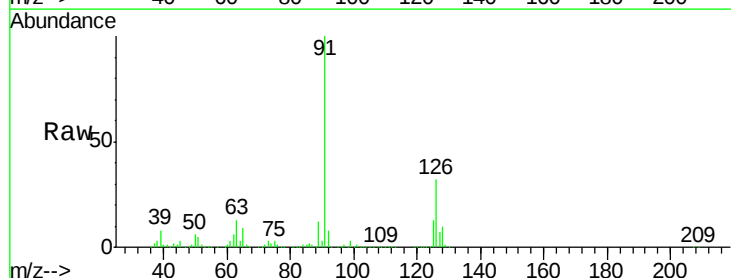
Acq: 03 Jul 2018 20:36

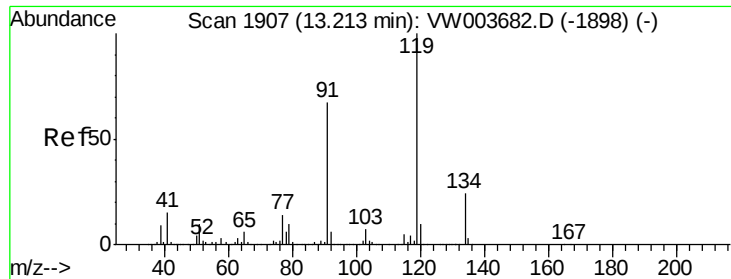
Tgt Ion: 91 Resp: 499022

Ion Ratio Lower Upper

91 100

126 32.9 17.0 50.9

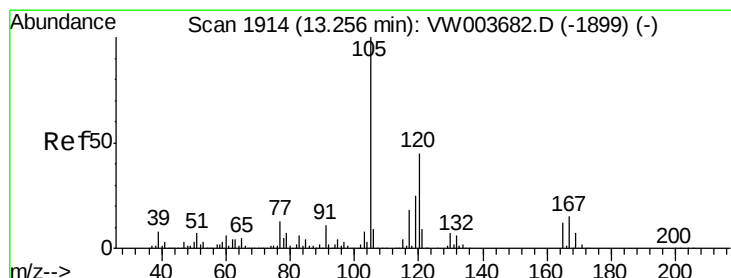
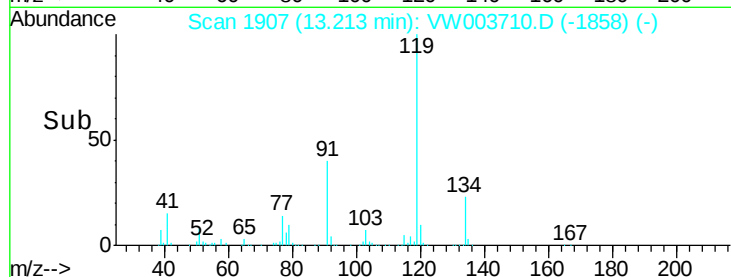
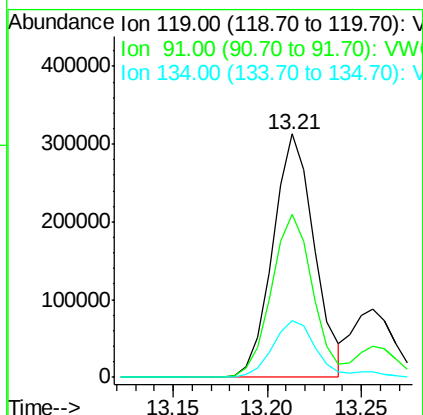
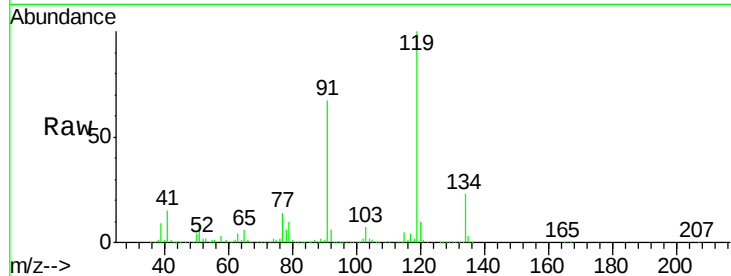




#83
 tert-Butylbenzene
 Concen: 54.674 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

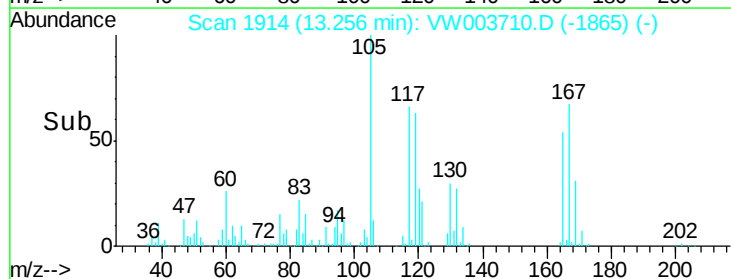
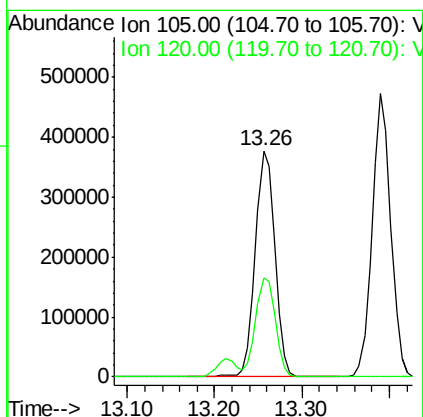
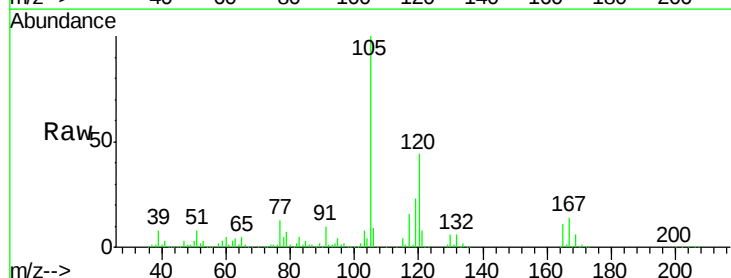
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

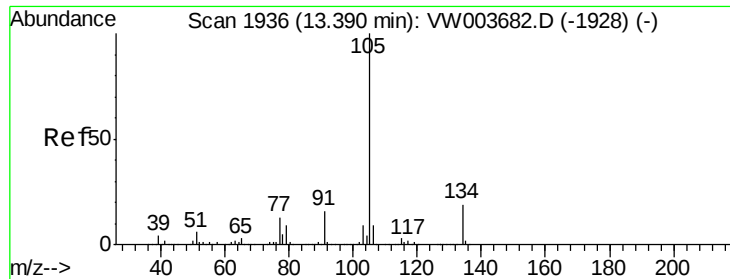
Tgt Ion:119 Resp: 478462
 Ion Ratio Lower Upper
 119 100
 91 66.3 33.8 101.3
 134 25.7 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 55.011 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion:105 Resp: 587538
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.3

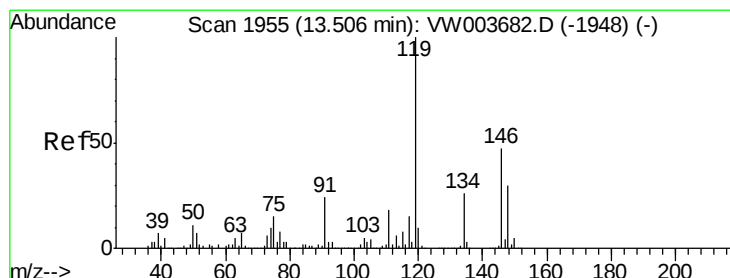
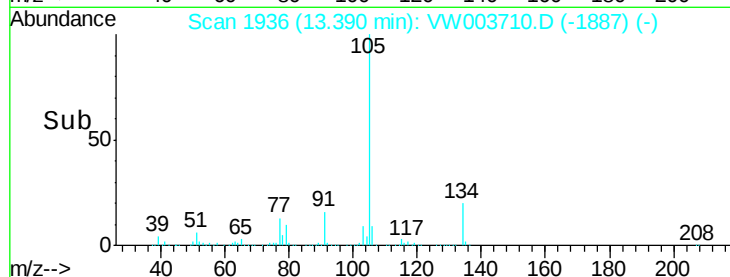
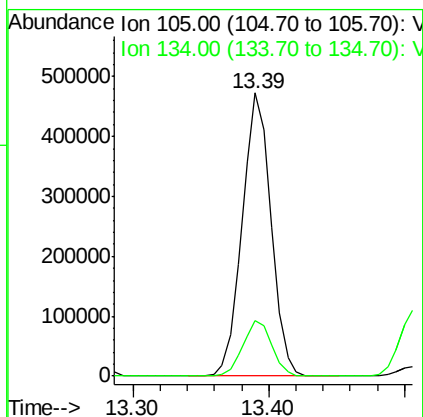
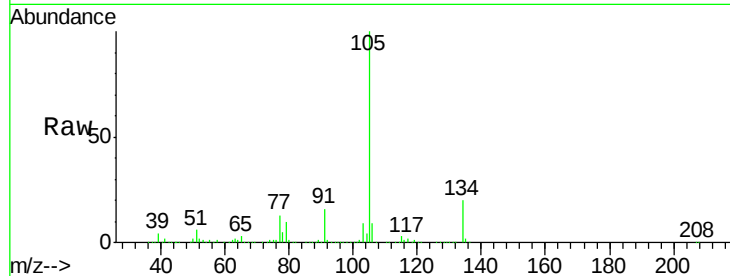




#85
 sec-Butylbenzene
 Concen: 53.786 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

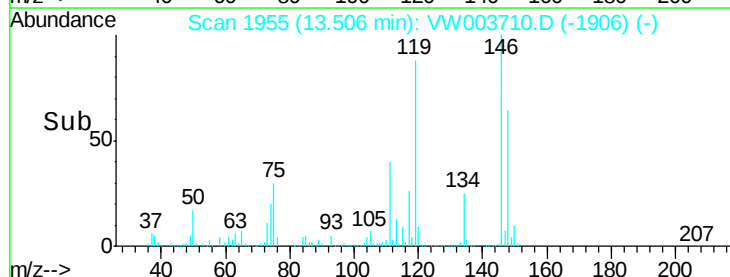
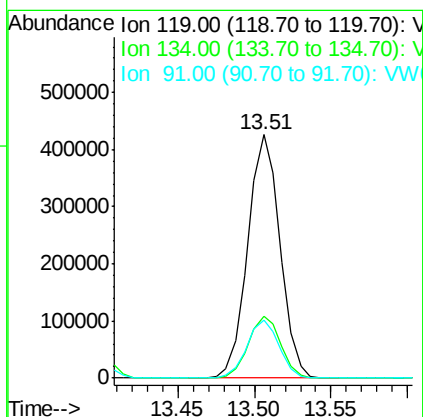
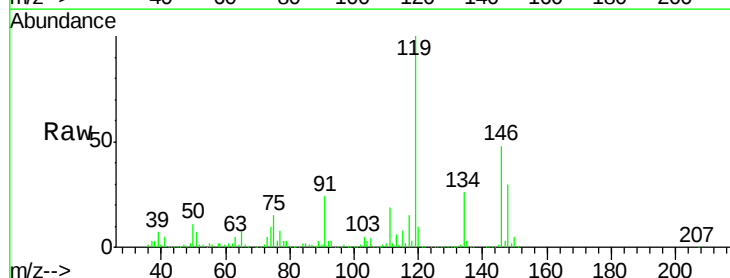
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

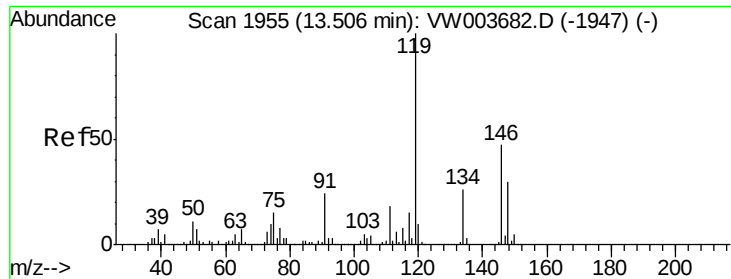
Tgt Ion:105 Resp: 700414
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 54.691 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion:119 Resp: 622942
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.7 11.8 35.4

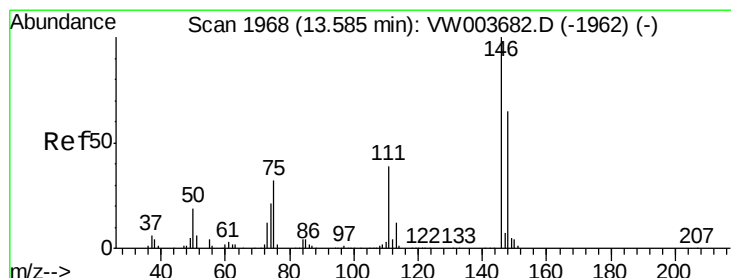
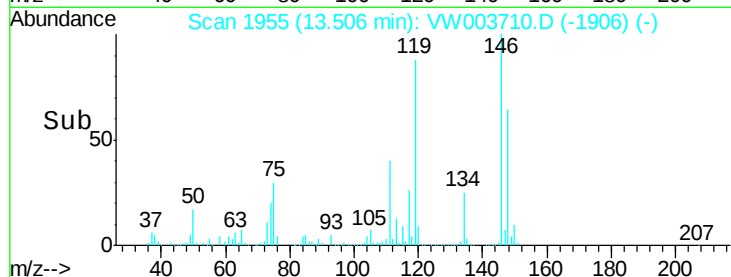
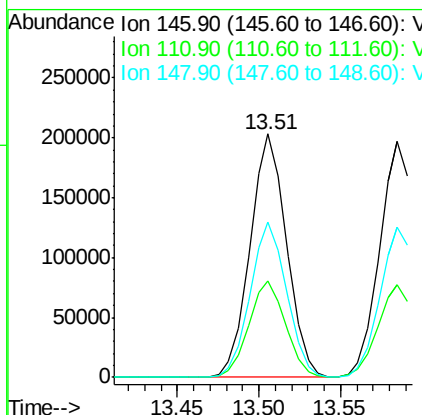
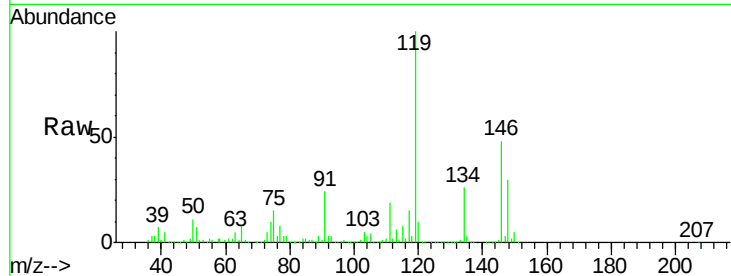




#87
 1,3-Dichlorobenzene
 Concen: 52.888 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

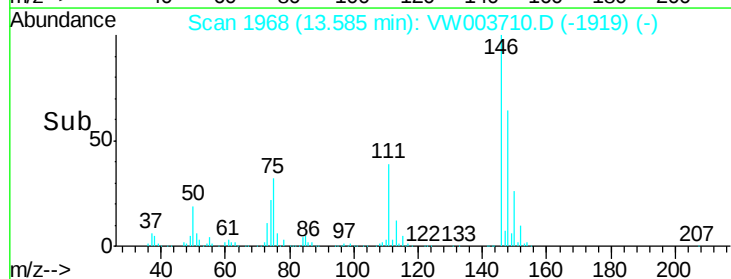
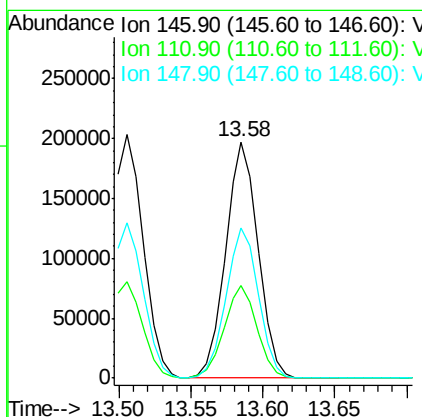
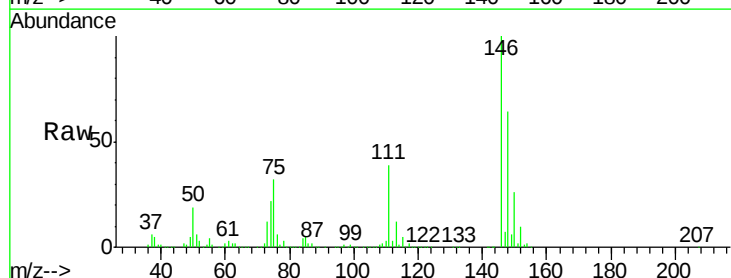
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

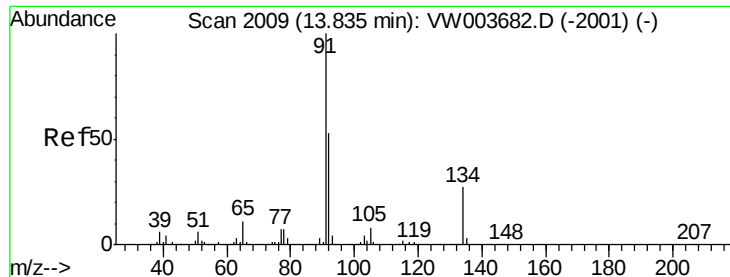
Tgt Ion:146 Resp: 315912
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.9 59.7
 148 63.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 52.013 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion:146 Resp: 310464
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.3 57.9
 148 63.9 32.3 96.9





#89

n-Butylbenzene

Concen: 53.726 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003710.D

Acq: 03 Jul 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

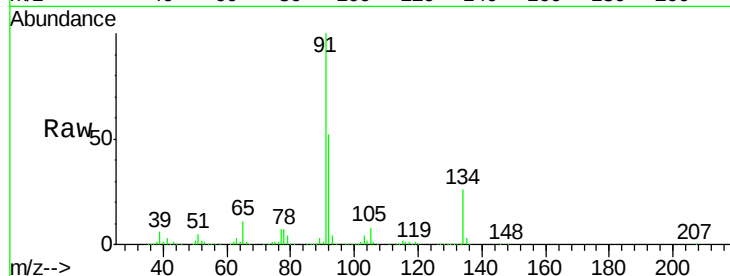
Tgt Ion: 91 Resp: 605015

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.2

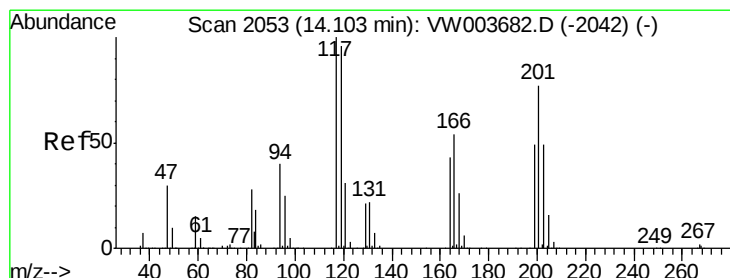
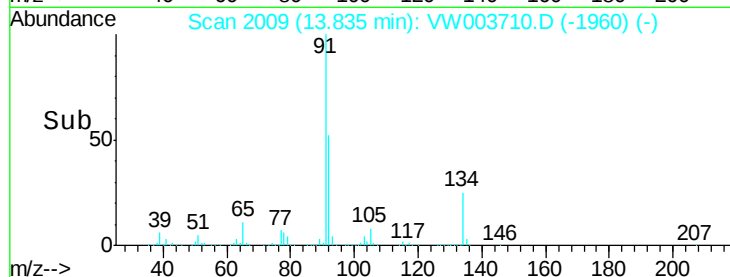
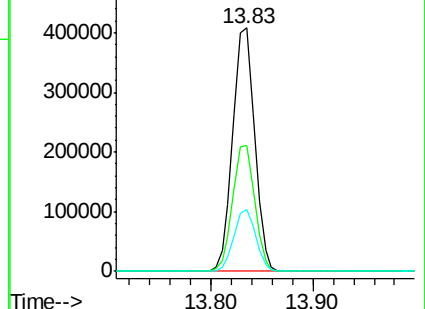
134 25.3 12.7 38.1



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): VW



#90

Hexachloroethane

Concen: 53.198 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003710.D

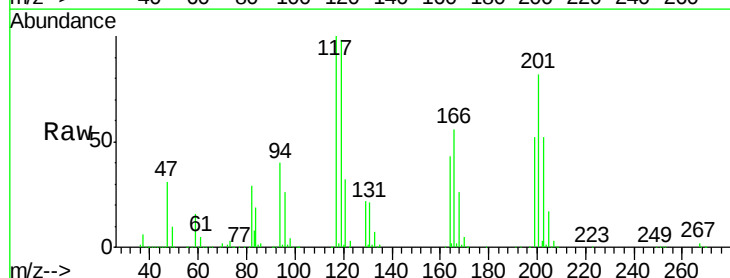
Acq: 03 Jul 2018 20:36

Tgt Ion: 117 Resp: 112572

Ion Ratio Lower Upper

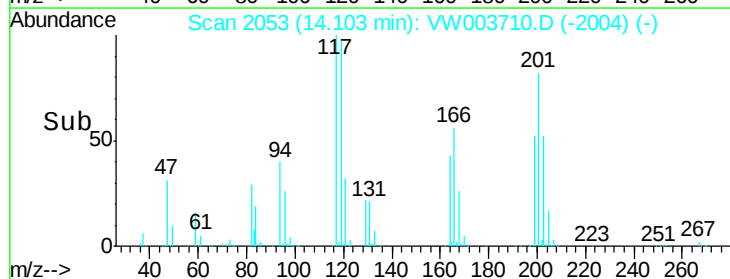
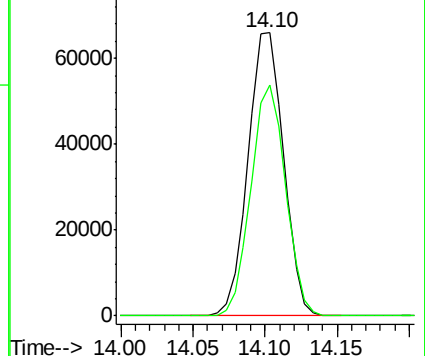
117 100

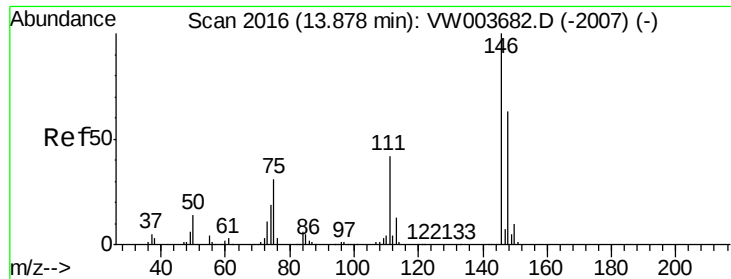
201 79.5 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

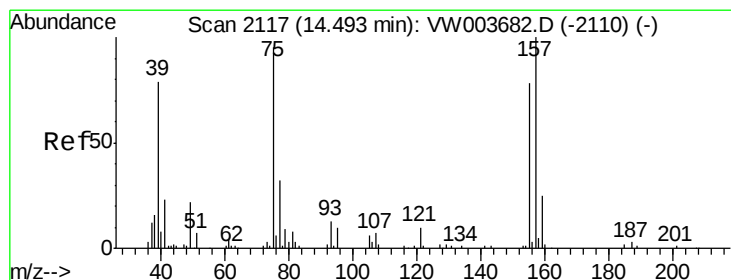
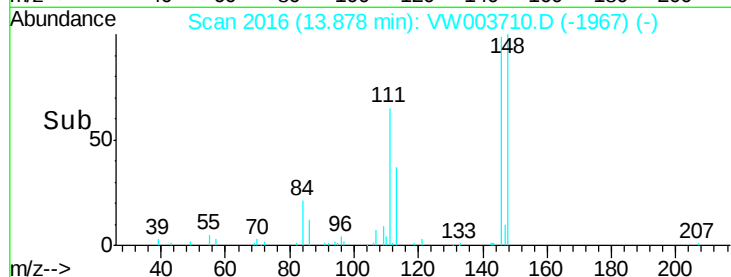
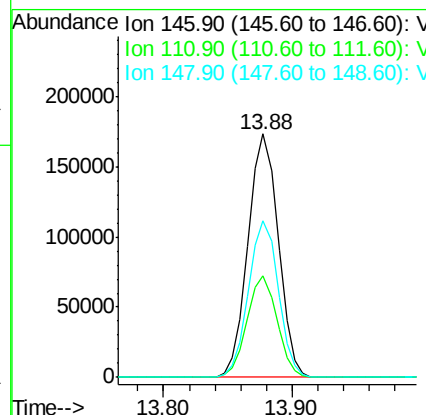
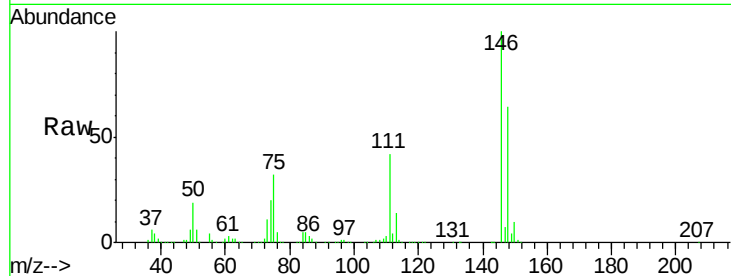




#91
 1,2-Dichlorobenzene
 Concen: 52.610 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

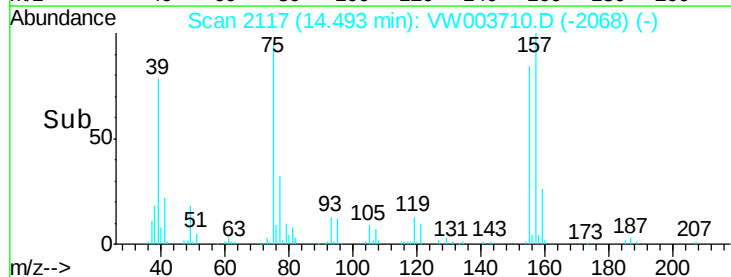
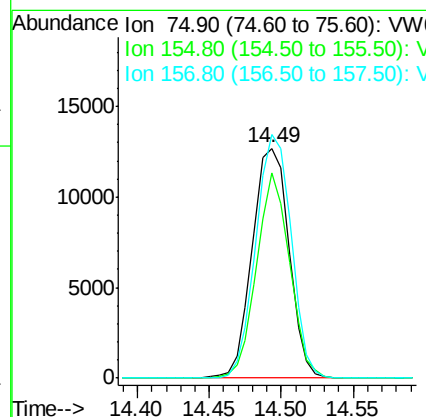
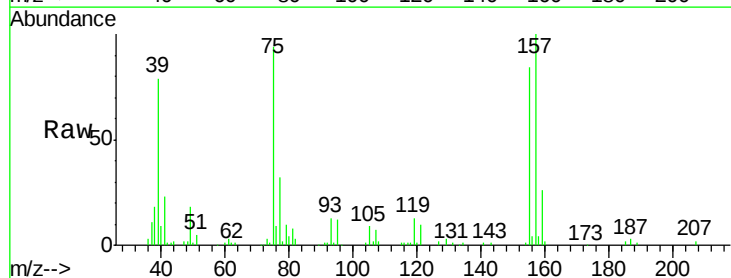
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

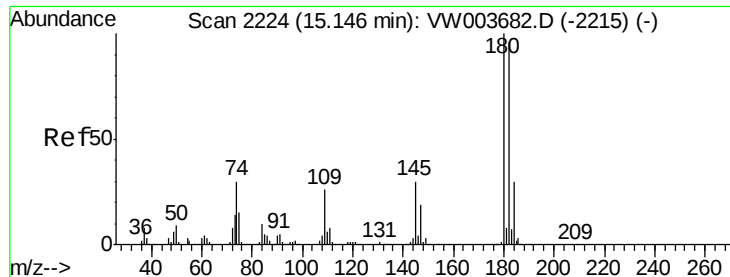
Tgt Ion: 146 Resp: 280984
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.6 61.9
 148 63.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.478 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion: 75 Resp: 22351
 Ion Ratio Lower Upper
 75 100
 155 80.3 40.2 120.6
 157 101.7 50.7 152.3

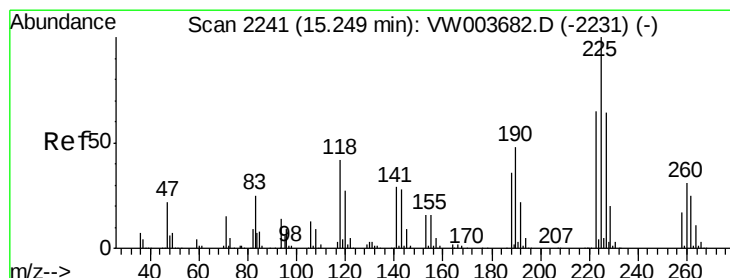
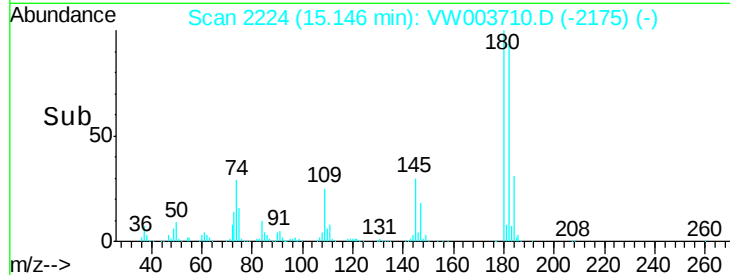
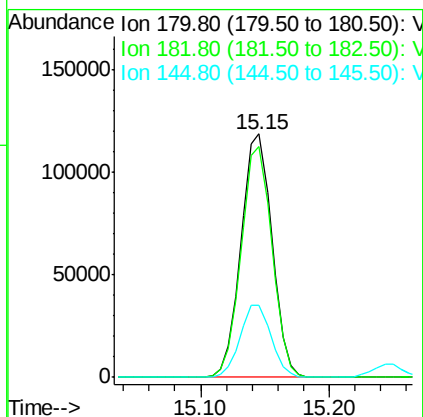
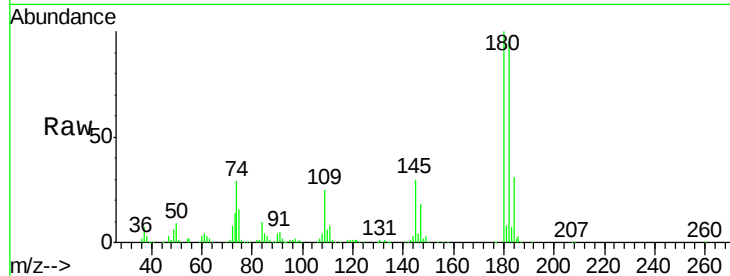




#93
 1,2,4-Trichlorobenzene
 Concen: 52.227 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

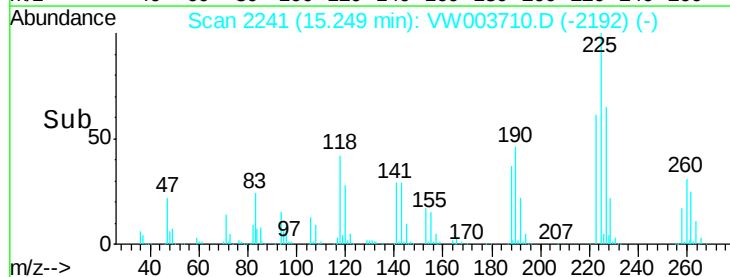
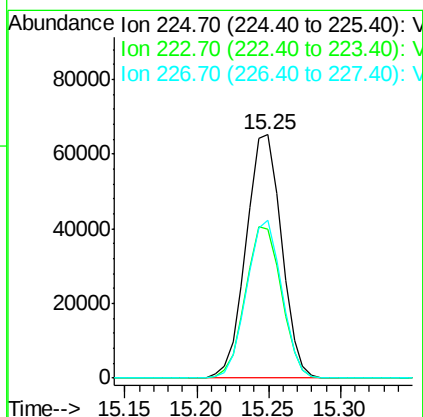
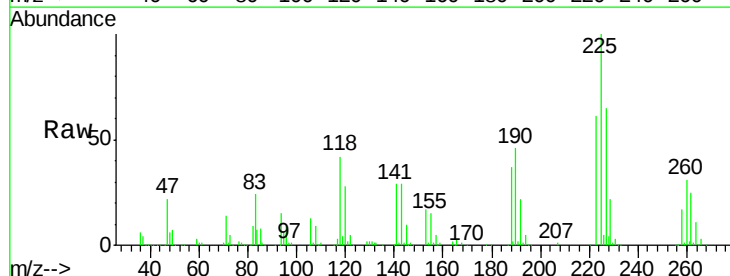
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

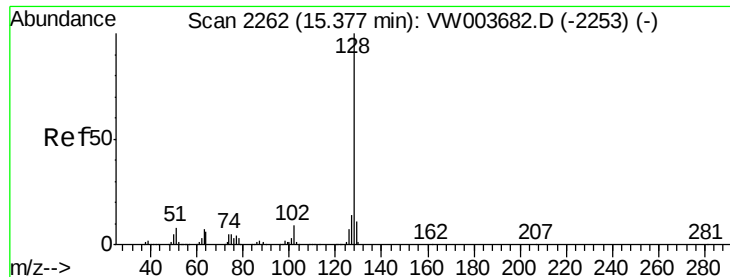
Tgt Ion:180 Resp: 196682
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.6 142.8
 145 30.2 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 51.019 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003710.D
 Acq: 03 Jul 2018 20:36

Tgt Ion:225 Resp: 110967
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.0 96.2
 227 64.2 31.9 95.7

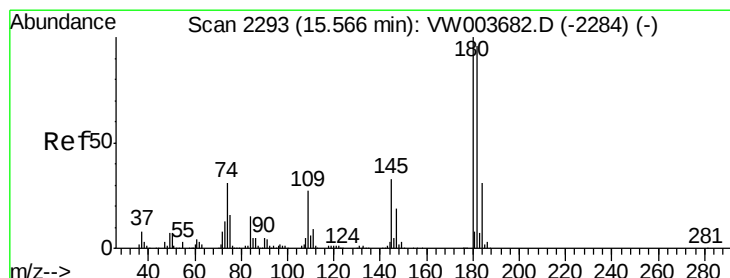
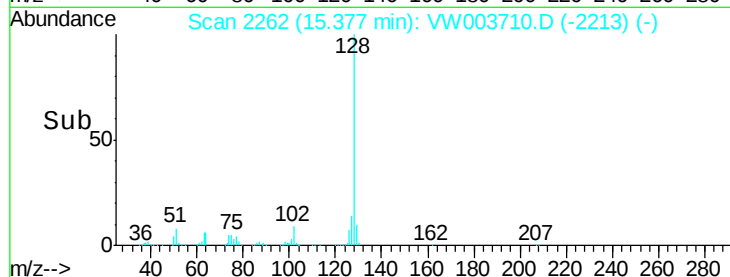
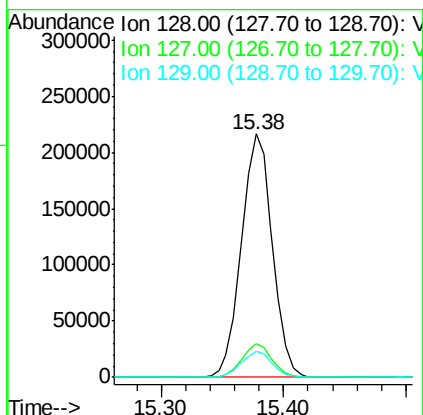
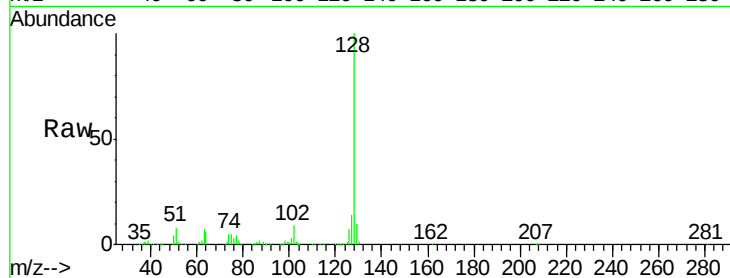




#95
Naphthalene
Concen: 55.369 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 378168
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.369 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003710.D
Acq: 03 Jul 2018 20:36

Tgt Ion:180 Resp: 175678
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.3
145 32.3 15.9 47.7

