

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008062.D
 Acq On : 07 Jan 2019 11:39
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 08 03:41:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43627	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.88	113	39951	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.32	98	156723	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.62	95	51499	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34545	47.156	ug/l	96
3) Chloromethane	2.21	50	25443	46.816	ug/l	98
4) Vinyl Chloride	2.37	62	35984	51.267	ug/l	96
5) Bromomethane	2.78	94	22346	50.110	ug/l	97
6) Chloroethane	2.93	64	18919	52.736	ug/l	99
7) Trichlorofluoromethane	3.26	101	33899	48.112	ug/l	94
8) Diethyl Ether	3.68	74	17261	47.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40611	48.502	ug/l	100
10) Methyl Iodide	4.26	142	64469	47.859	ug/l	97
11) Tert butyl alcohol	5.18	59	10248	178.650	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	39010	48.673	ug/l	97
13) Acrolein	3.89	56	9316	239.692	ug/l	98
14) Allyl chloride	4.67	41	55641	51.244	ug/l	96
15) Acrylonitrile	5.37	53	31361	235.613	ug/l	98
16) Acetone	4.12	43	35127	257.006	ug/l	96
17) Carbon Disulfide	4.37	76	121533	49.641	ug/l	97
18) Methyl Acetate	4.67	43	17576	49.586	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	57514	45.599	ug/l	100
20) Methylene Chloride	4.91	84	37619	44.363	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	42140	48.325	ug/l	97
22) Diisopropyl ether	6.31	45	96270	49.397	ug/l	97
23) Vinyl Acetate	6.26	43	263138	241.318	ug/l	99
24) 1,1-Dichloroethane	6.21	63	69138	47.746	ug/l	99
25) 2-Butanone	7.17	43	39526	245.448	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56748	47.566	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	43568	46.904	ug/l	98
28) Bromochloromethane	7.51	49	22895	49.192	ug/l	99
29) Tetrahydrofuran	7.52	42	22906	228.997	ug/l	98
30) Chloroform	7.67	83	75898	46.767	ug/l	96
31) Cyclohexane	7.96	56	63978	47.403	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	74986	48.288	ug/l	98
36) 1,1-Dichloropropene	8.08	75	62264	49.178	ug/l	99
37) Ethyl Acetate	7.25	43	17048	44.827	ug/l	99
38) Carbon Tetrachloride	8.07	117	71609	47.194	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77195	48.914	ug/l	99
40) Benzene	8.32	78	159052	47.619	ug/l	98
41) Methacrylonitrile	7.48	41	12152	54.346	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50809	45.656	ug/l	100
43) Isopropyl Acetate	8.42	43	36255	47.711	ug/l	99
44) Trichloroethene	9.09	130	45677	46.343	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35114	48.569	ug/l	99
46) Dibromomethane	9.46	93	19356	45.792	ug/l	97
47) Bromodichloromethane	9.64	83	55248	46.666	ug/l	98
48) Methyl methacrylate	9.43	41	18741	48.914	ug/l	95
49) 1,4-Dioxane	9.45	88	5229	835.939	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	82670	235.029	ug/l	100
52) Toluene	10.39	92	104233	47.270	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	54588	47.950	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	61556	48.456	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	26892	46.989	ug/l	94
56) Ethyl methacrylate	10.65	69	31769	49.103	ug/l	97
57) 1,3-Dichloropropane	10.93	76	45150	46.429	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	76402	248.995	ug/l	97
59) 2-Hexanone	10.97	43	58343	240.265	ug/l	99
60) Dibromochloromethane	11.13	129	34772	44.387	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25380	44.315	ug/l	98
64) Tetrachloroethene	10.86	164	37825	52.908	ug/l	97
65) Chlorobenzene	11.66	112	113949	51.515	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	40065	50.017	ug/l	97
67) Ethyl Benzene	11.73	91	205591	52.364	ug/l	99
68) m/p-Xylenes	11.84	106	147390	97.102	ug/l	95
69) o-Xylene	12.17	106	71272	50.462	ug/l	98
70) Styrene	12.18	104	116036	50.405	ug/l	98
71) Bromoform	12.35	173	17223	46.409	ug/l #	98
73) Isopropylbenzene	12.47	105	210483	53.855	ug/l	97
74) N-amyl acetate	12.27	43	31095	51.112	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	25484	51.246	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	37646	96.278	ug/l #	1
77) Bromobenzene	12.75	156	43086	51.290	ug/l	97
78) n-propylbenzene	12.81	91	228235	50.368	ug/l	97
79) 2-Chlorotoluene	12.90	91	135148	51.605	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	172113	51.161	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	8271	50.023	ug/l	97
82) 4-Chlorotoluene	12.99	91	142461	51.157	ug/l	96
83) tert-Butylbenzene	13.21	119	153617	52.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	182487	53.554	ug/l	92
85) sec-Butylbenzene	13.38	105	208152	51.409	ug/l	99
86) p-Isopropyltoluene	13.51	119	185314	50.742	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	86456	51.008	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	84872	50.578	ug/l	96
89) n-Butylbenzene	13.83	91	175938	52.668	ug/l	98
90) Hexachloroethane	14.10	117	32489	51.268	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	74370	49.931	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4931	48.856	ug/l	94

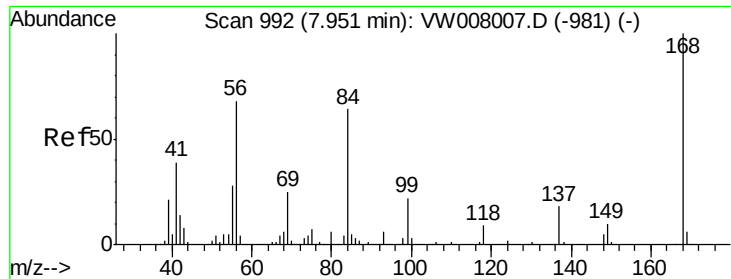
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	48577	46.436	ug/l	96
94) Hexachlorobutadiene	15.24	225	29387	48.653	ug/l	98
95) Naphthalene	15.38	128	89891	50.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	41668	48.408	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

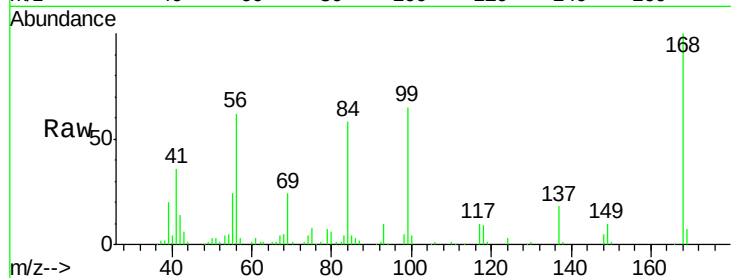
VSTDCCC050

Tot Ion:168 Resp: 79829

Ion Ratio Lower Upper

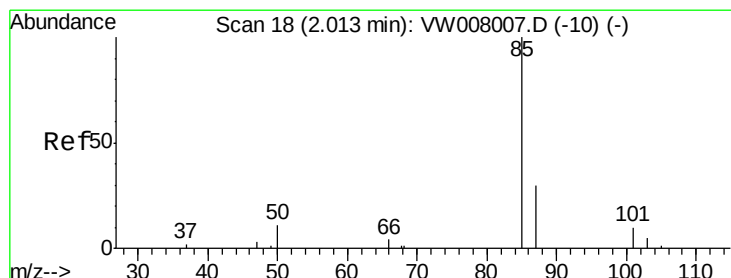
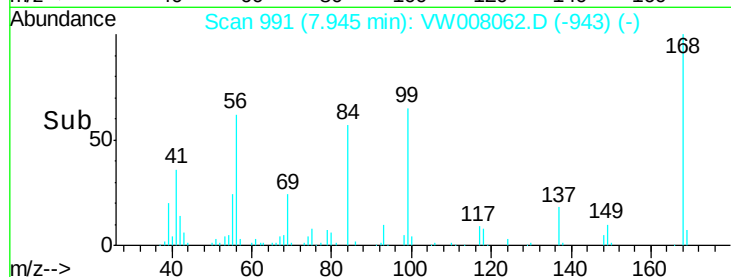
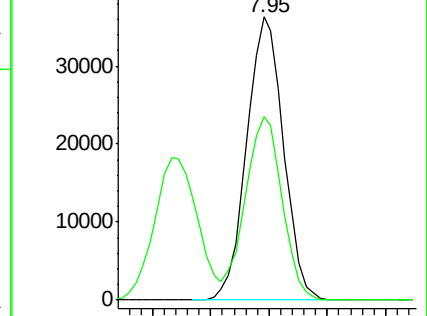
168 100

99 64.9 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.156 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008062.D

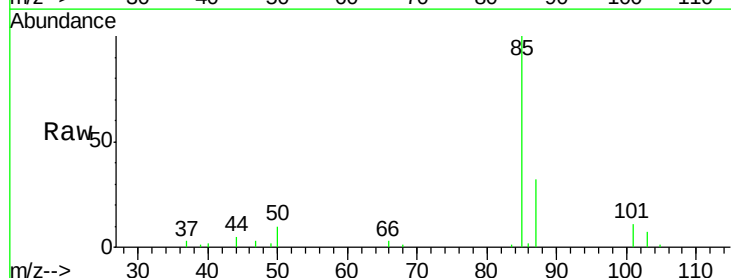
Acq: 07 Jan 2019 11:39

Tgt Ion: 85 Resp: 34545

Ion Ratio Lower Upper

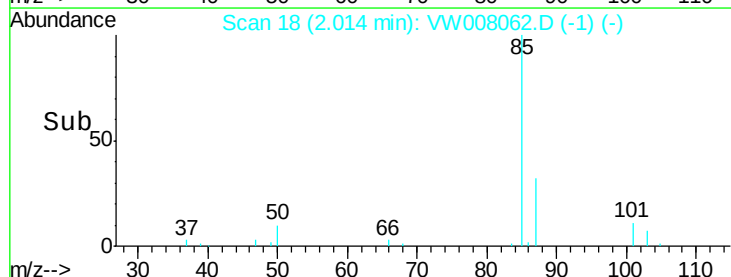
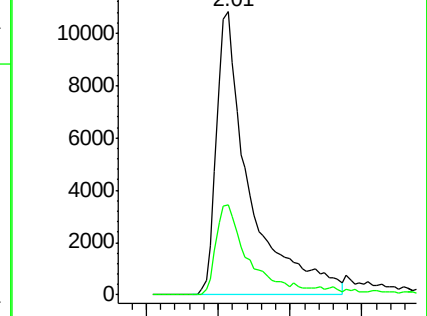
85 100

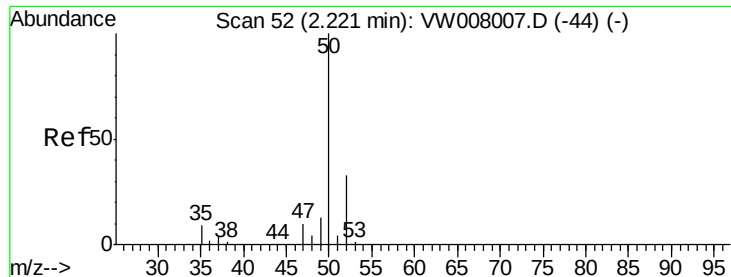
87 32.0 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.816 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

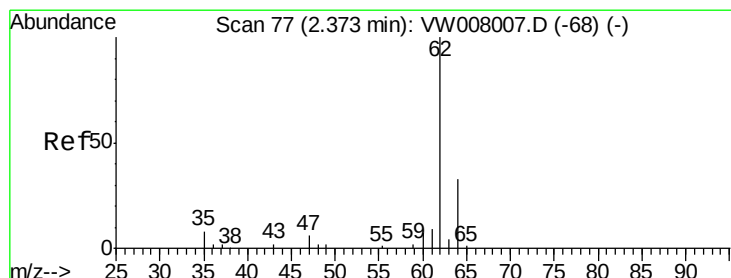
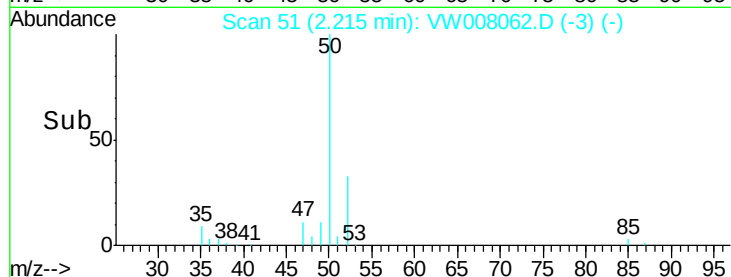
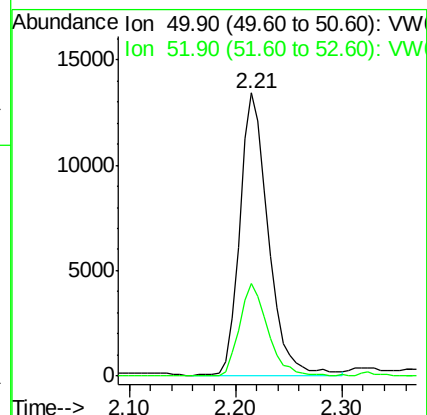
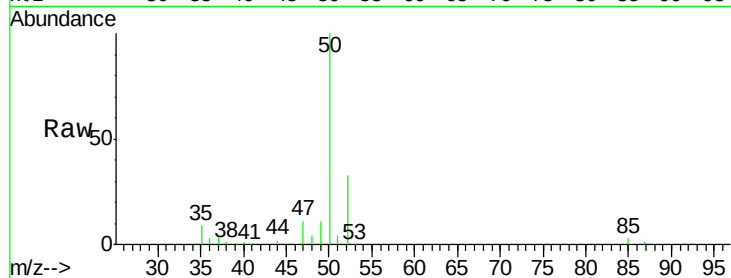
VSTDCCC050

Tot Ion: 50 Resp: 25443

Ion Ratio Lower Upper

50 100

52 32.6 26.8 40.2



#4

Vinyl Chloride

Concen: 51.267 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008062.D

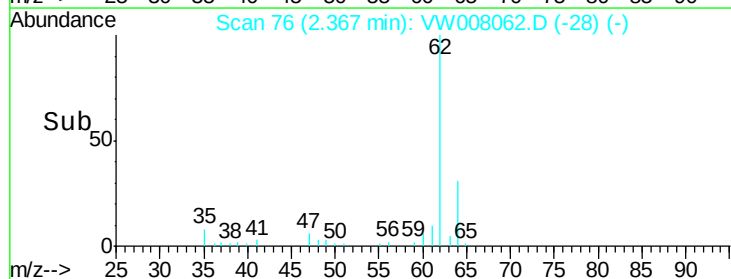
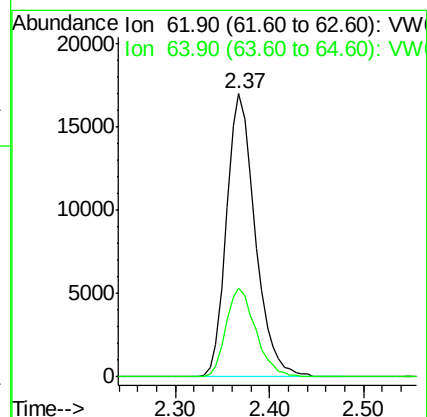
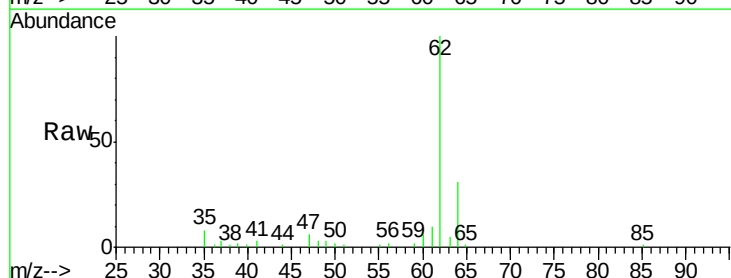
Acq: 07 Jan 2019 11:39

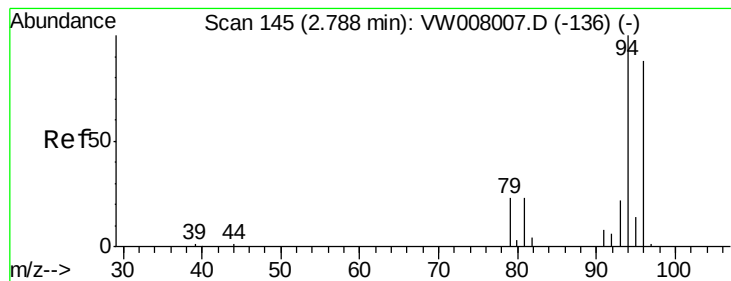
Tgt Ion: 62 Resp: 35984

Ion Ratio Lower Upper

62 100

64 31.5 26.8 40.2





#5

Bromomethane

Concen: 50.110 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

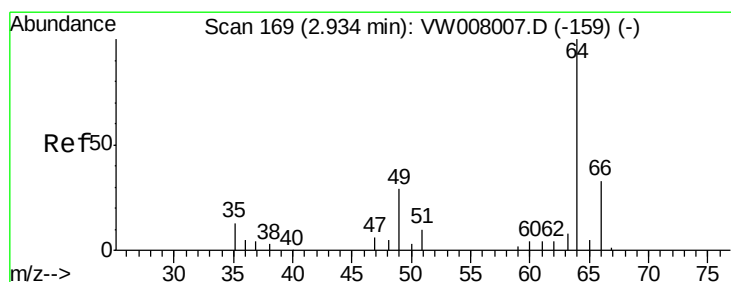
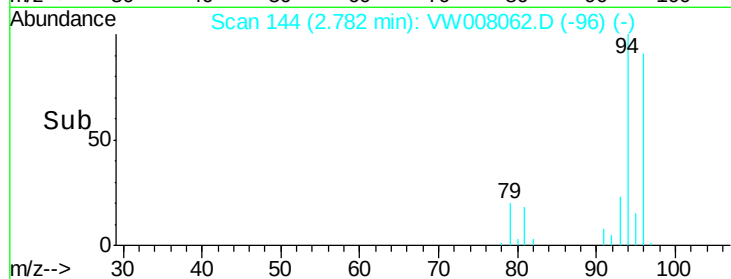
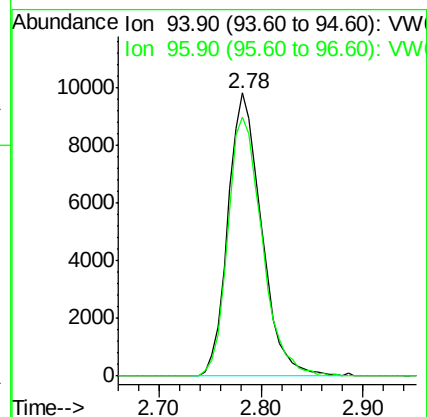
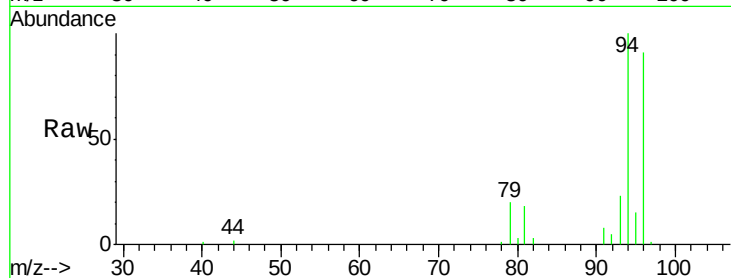
VSTDCCC050

Tot Ion: 94 Resp: 22346

Ion Ratio Lower Upper

94 100

96 91.5 70.7 106.1



#6

Chloroethane

Concen: 52.736 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008062.D

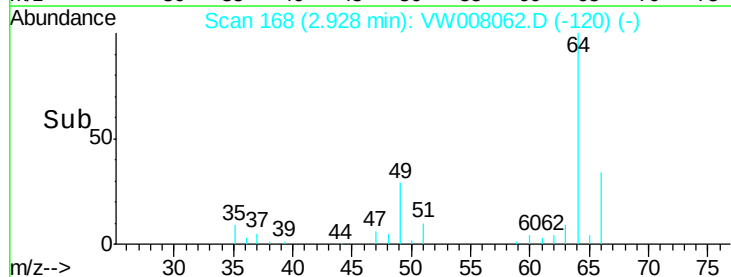
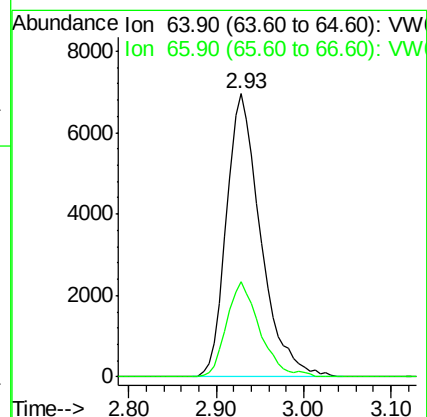
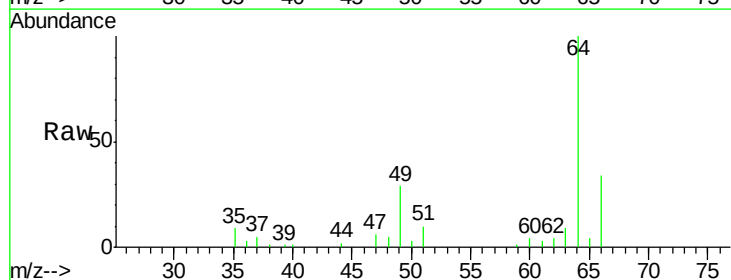
Acq: 07 Jan 2019 11:39

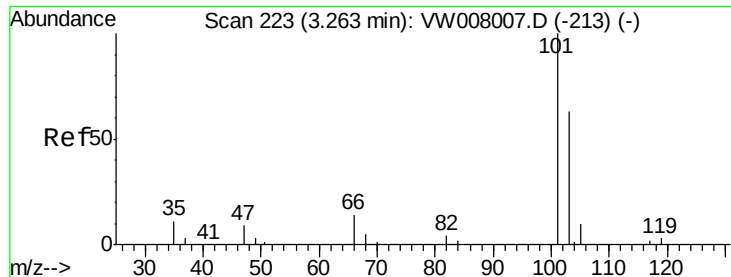
Tgt Ion: 64 Resp: 18919

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8



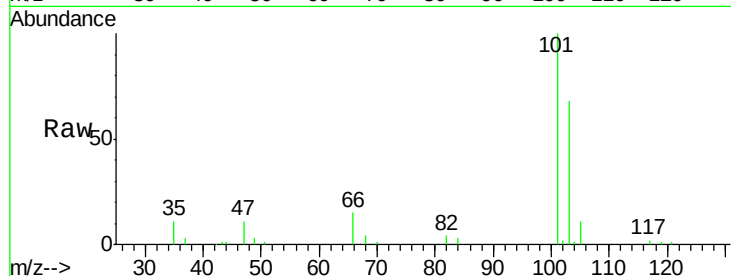


#7

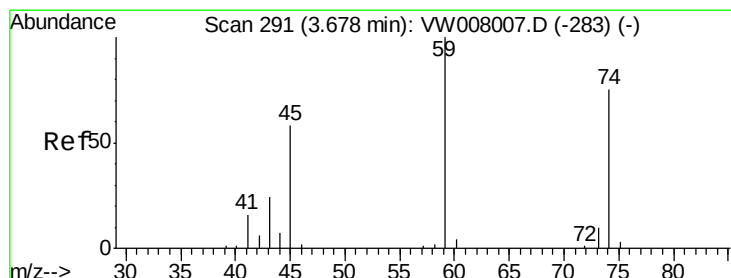
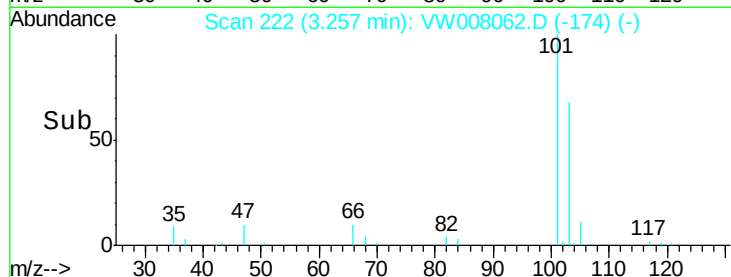
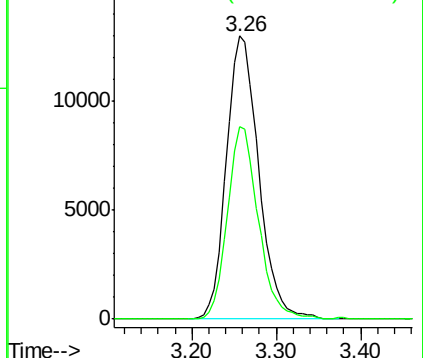
Trichlorofluoromethane
 Concen: 48.112 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 33899
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.5 75.7



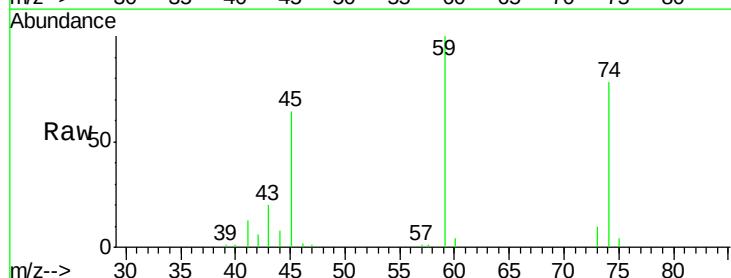
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



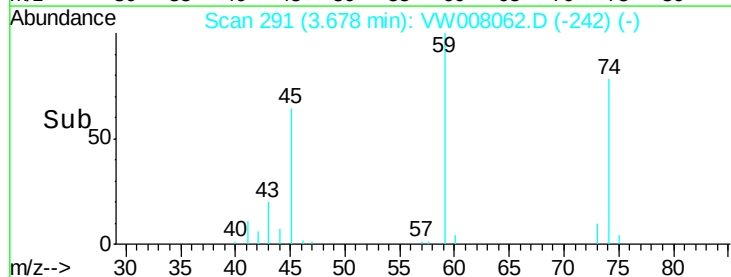
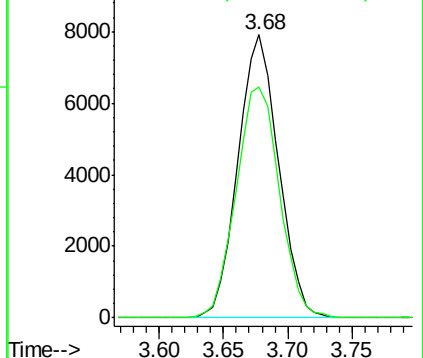
#8

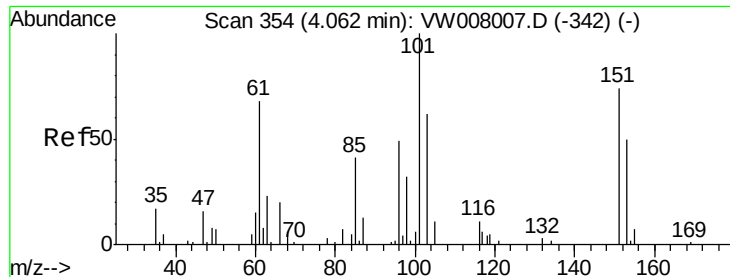
Diethyl Ether
 Concen: 47.697 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 74 Resp: 17261
 Ion Ratio Lower Upper
 74 100
 45 87.5 41.4 124.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.502 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

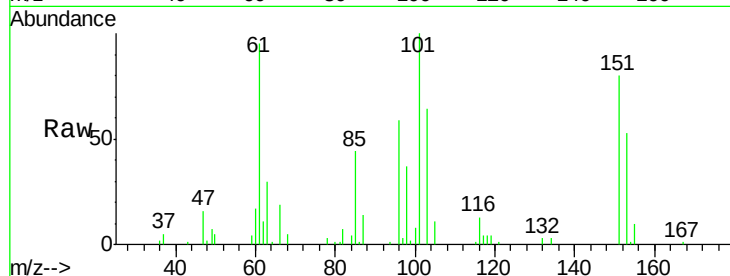
Tot Ion:101 Resp: 40611

Ion Ratio Lower Upper

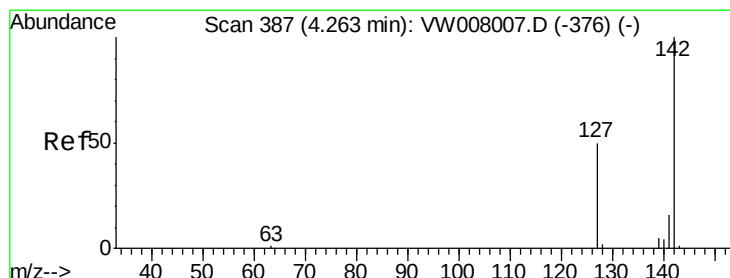
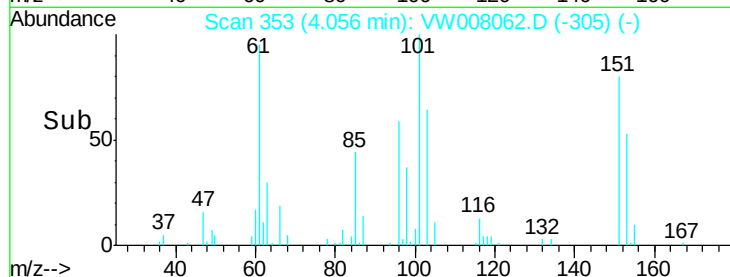
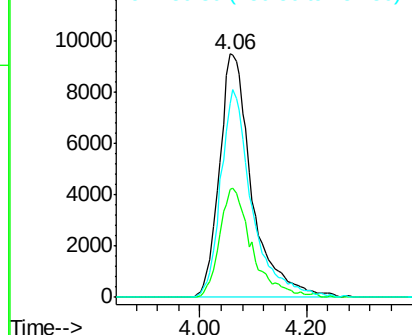
101 100

85 44.4 35.1 52.7

151 81.7 65.3 97.9



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



#10

Methyl Iodide

Concen: 47.859 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

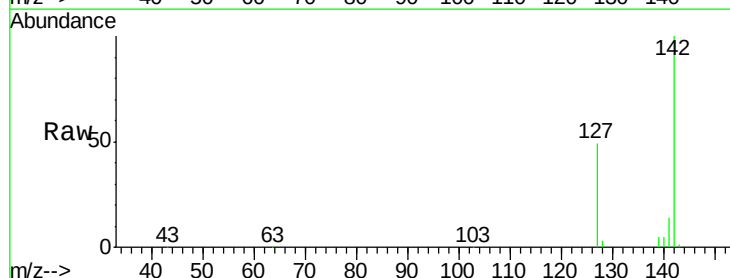
Tgt Ion:142 Resp: 64469

Ion Ratio Lower Upper

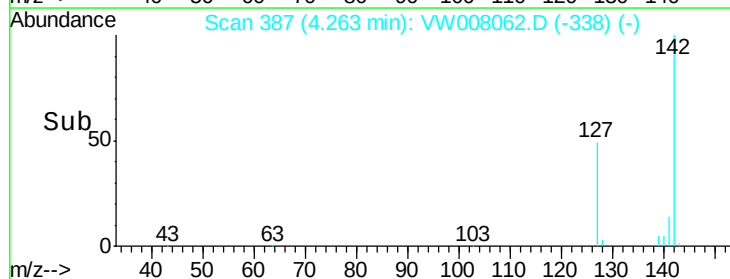
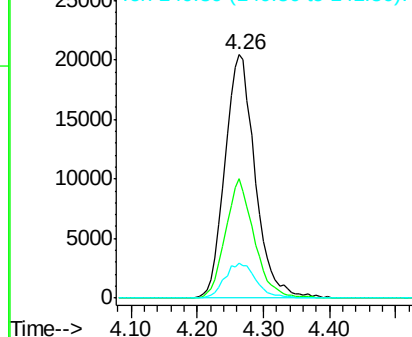
142 100

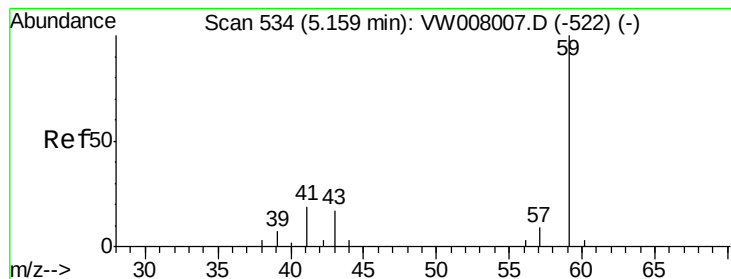
127 46.7 39.4 59.0

141 14.9 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



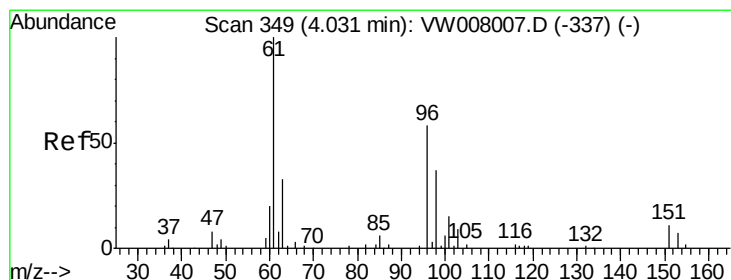
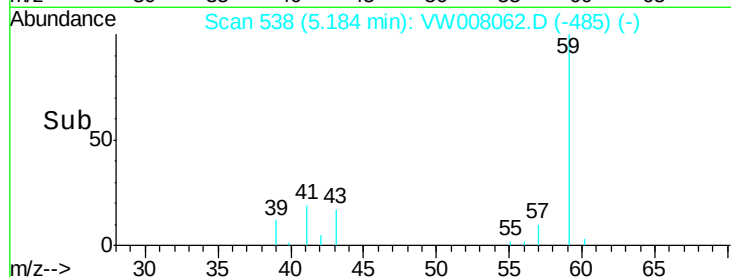
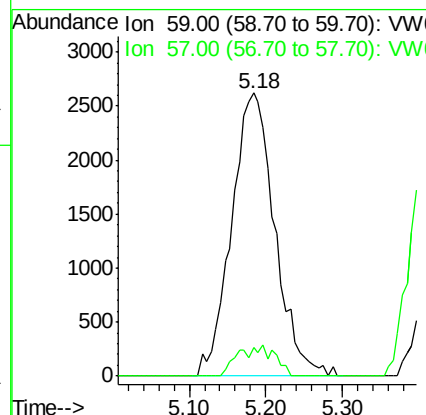
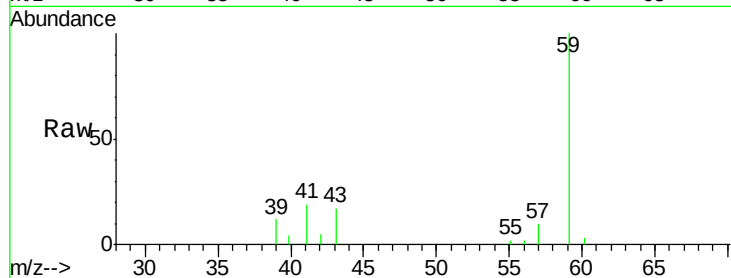


#11

Tert butyl alcohol
Concen: 178.650 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

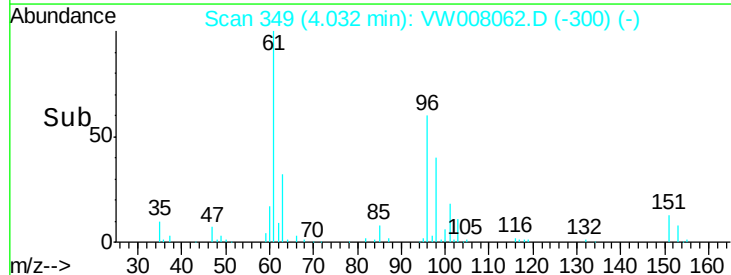
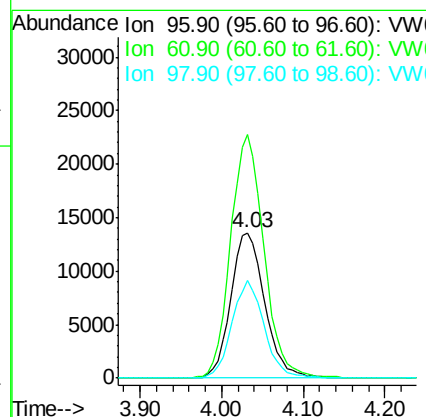
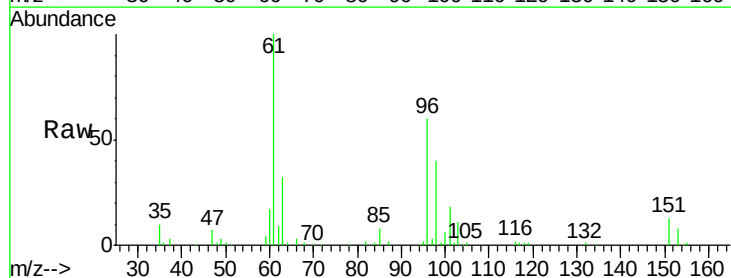
Tot Ion: 59 Resp: 10248
Ion Ratio Lower Upper
59 100
57 5.6 9.0 13.4#

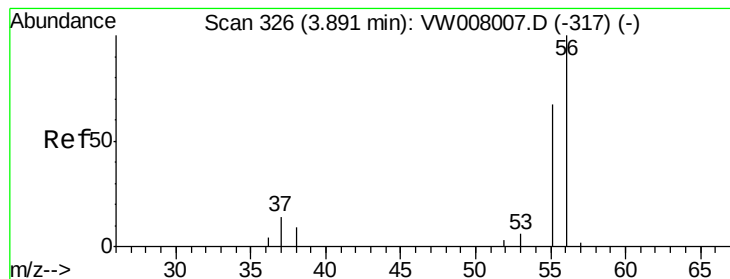


#12

1,1-Dichloroethene
Concen: 48.673 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 96 Resp: 39010
Ion Ratio Lower Upper
96 100
61 167.7 137.3 205.9
98 66.9 50.5 75.7





#13

Acrolein

Concen: 239.692 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

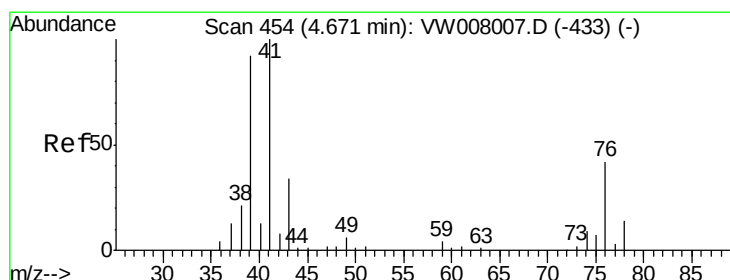
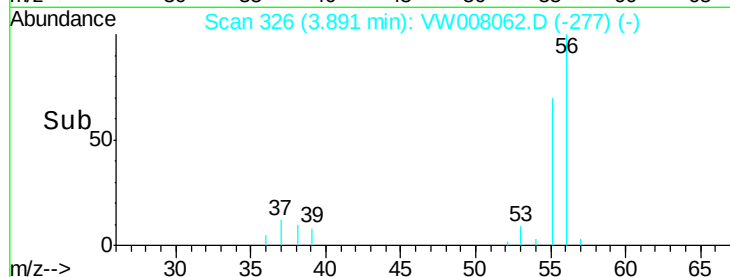
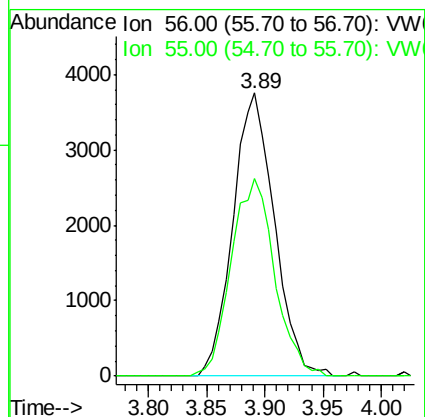
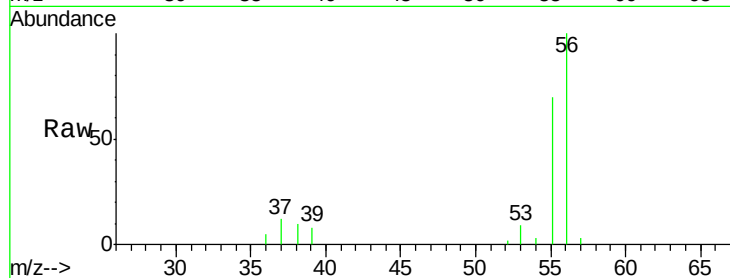
VSTDCCC050

Tot Ion: 56 Resp: 9316

Ion Ratio Lower Upper

56 100

55 72.9 57.3 85.9



#14

Allyl chloride

Concen: 51.244 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

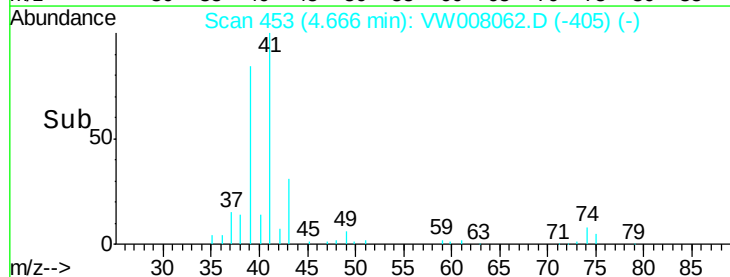
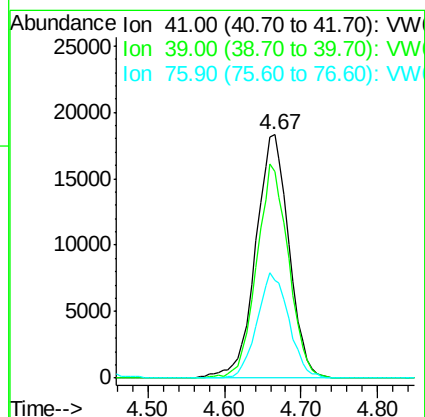
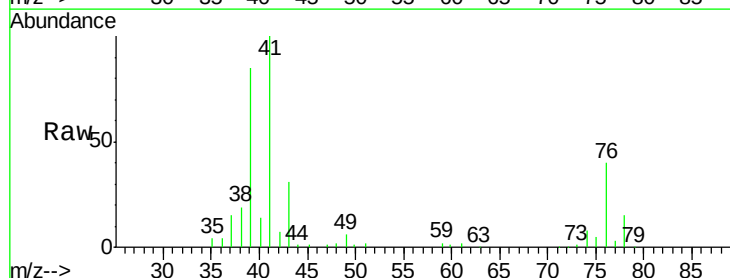
Tgt Ion: 41 Resp: 55641

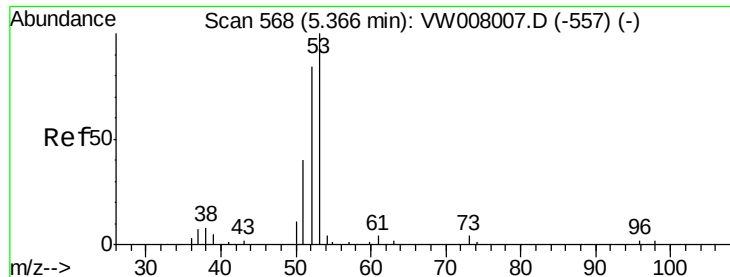
Ion Ratio Lower Upper

41 100

39 84.0 71.1 106.7

76 41.2 33.4 50.2





#15

Acrylonitrile

Concen: 235.613 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

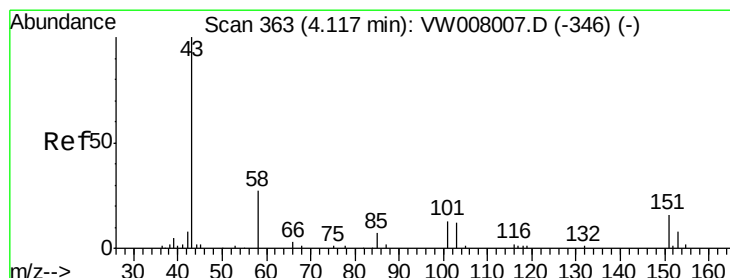
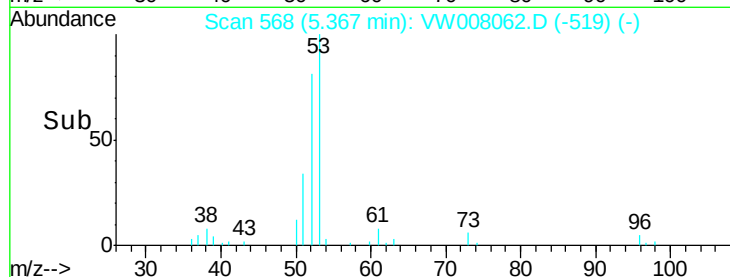
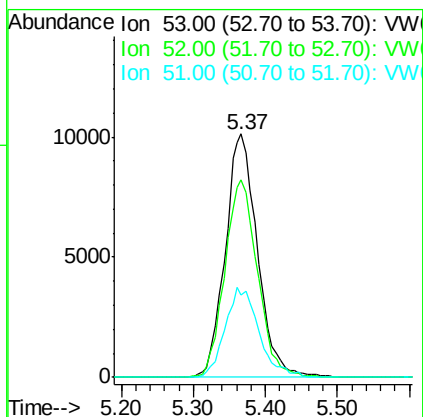
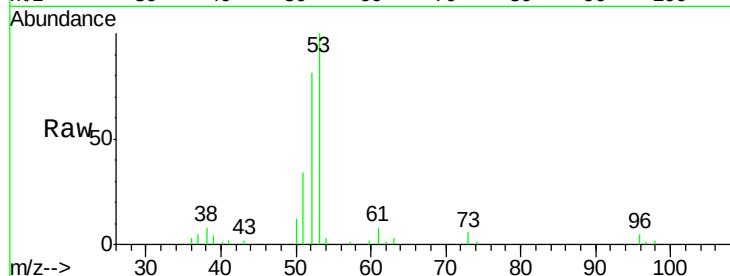
Tot Ion: 53 Resp: 31361

Ion Ratio Lower Upper

53 100

52 82.5 67.8 101.8

51 38.7 31.5 47.3



#16

Acetone

Concen: 257.006 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008062.D

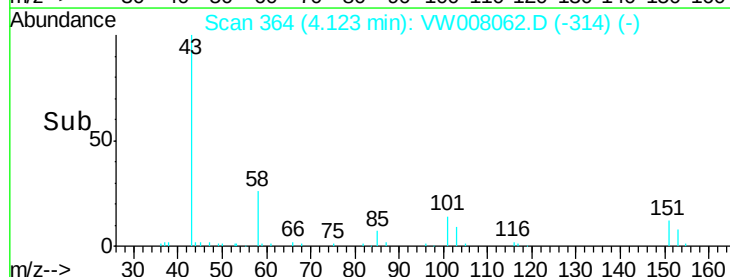
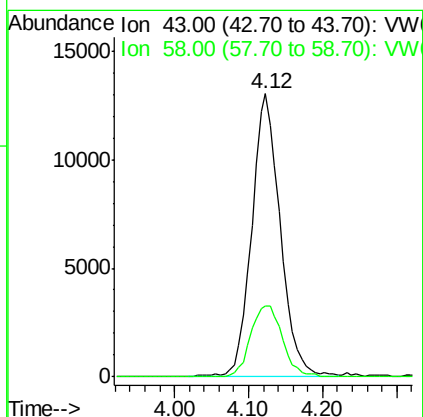
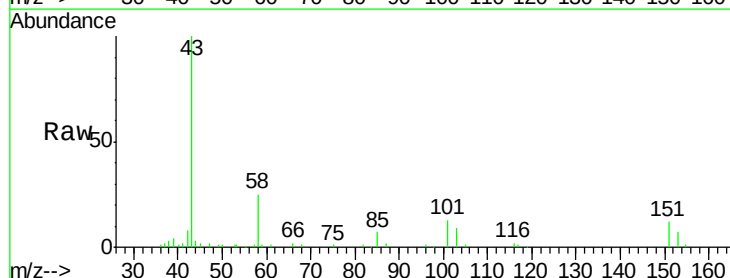
Acq: 07 Jan 2019 11:39

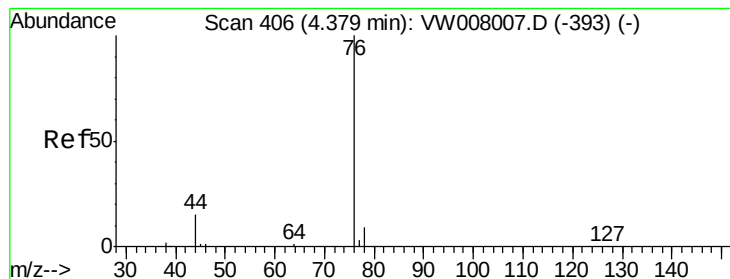
Tgt Ion: 43 Resp: 35127

Ion Ratio Lower Upper

43 100

58 25.0 21.7 32.5





#17

Carbon Disulfide

Concen: 49.641 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

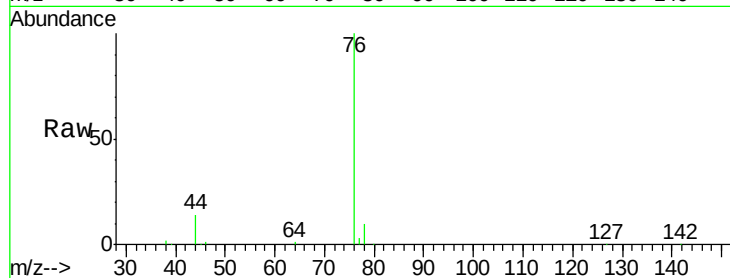
VSTDCCC050

Tot Ion: 76 Resp: 121533

Ion Ratio Lower Upper

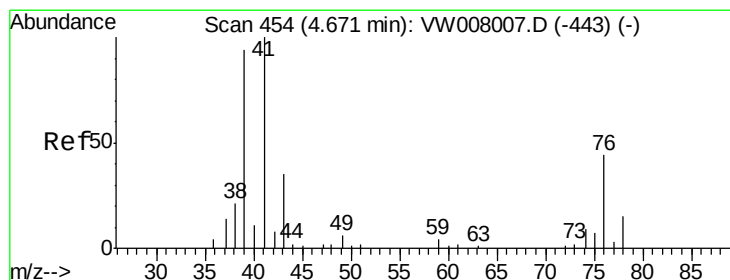
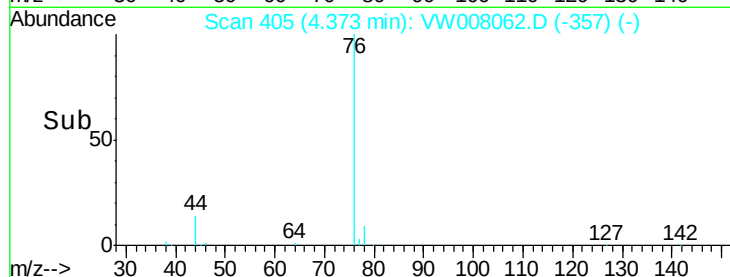
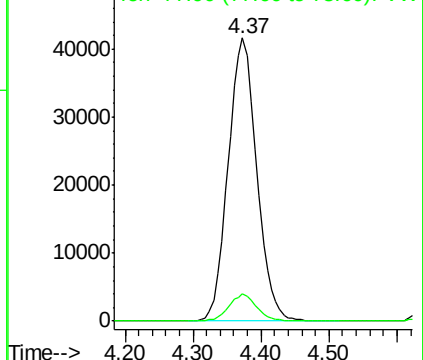
76 100

78 9.9 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 49.586 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008062.D

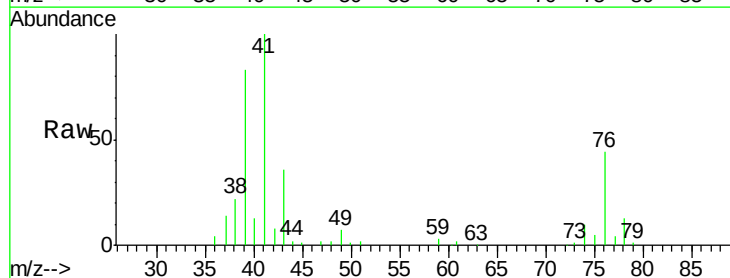
Acq: 07 Jan 2019 11:39

Tgt Ion: 43 Resp: 17576

Ion Ratio Lower Upper

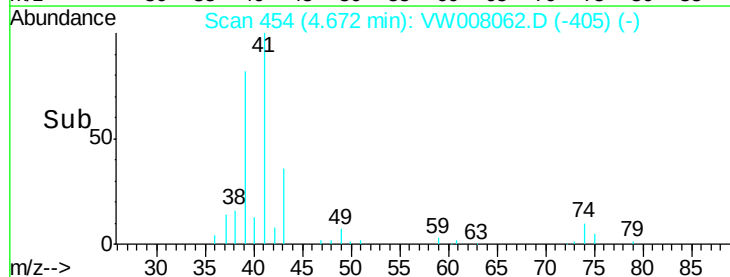
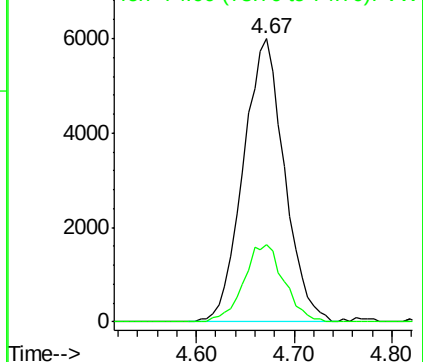
43 100

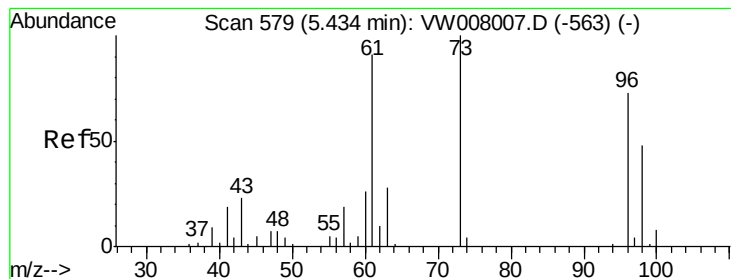
74 26.8 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 45.599 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleID :

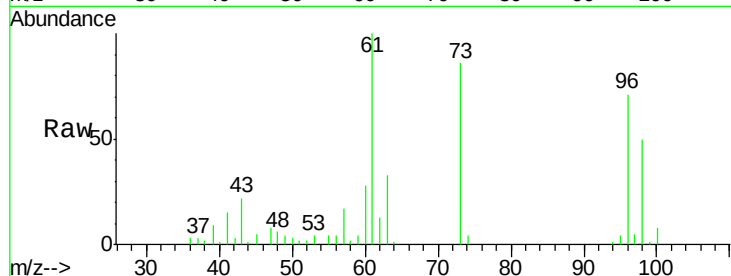
VSTDCCC050

Tot Ion: 73 Resp: 57514

Ion Ratio Lower Upper

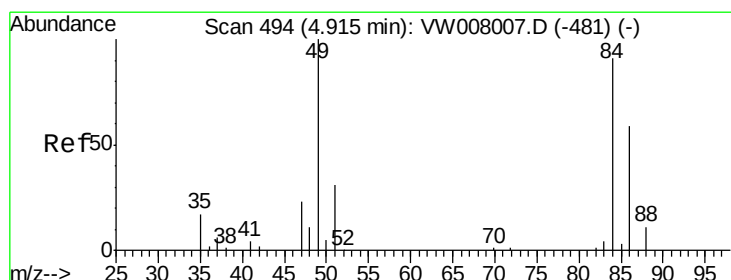
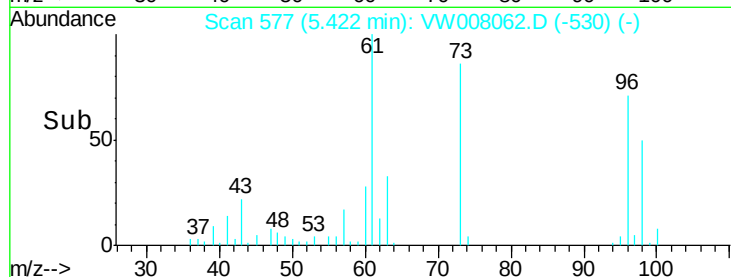
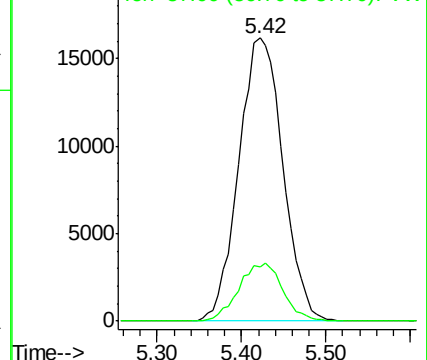
73 100

57 19.2 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 44.363 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion: 84 Resp: 37619

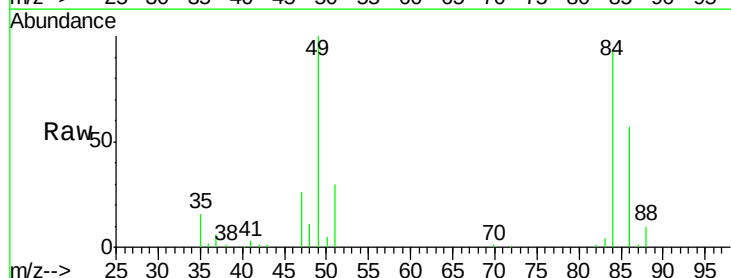
Ion Ratio Lower Upper

84 100

49 108.0 87.7 131.5

51 32.5 27.3 40.9

86 61.6 51.4 77.0

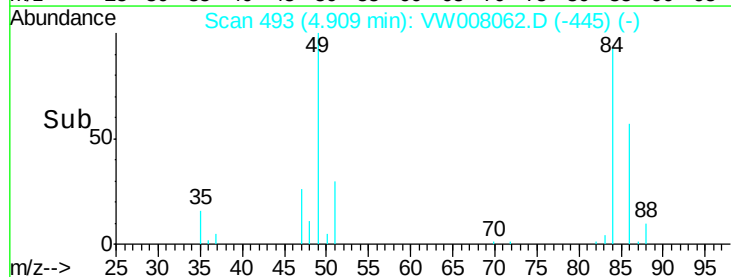
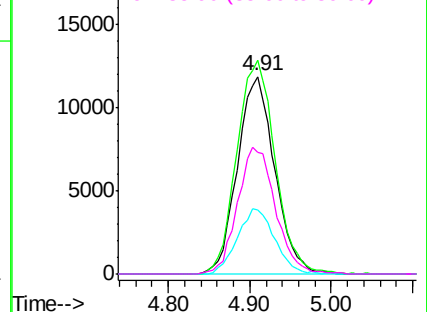


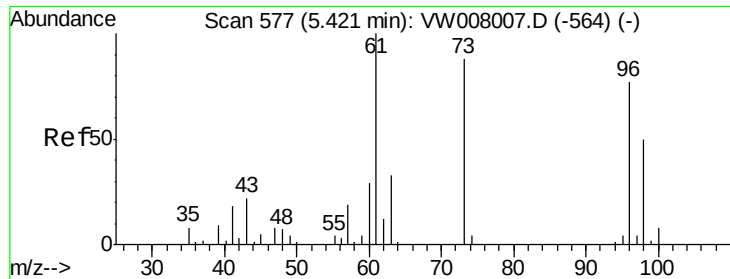
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 48.325 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

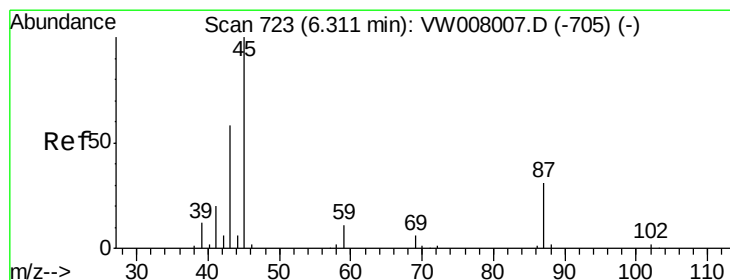
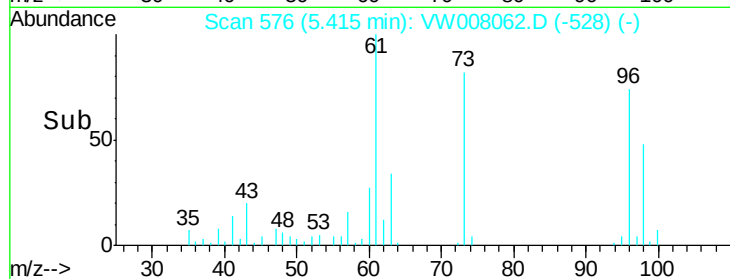
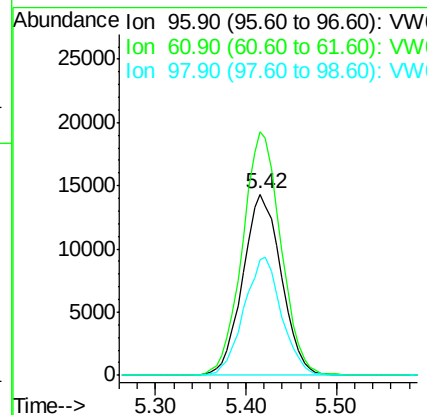
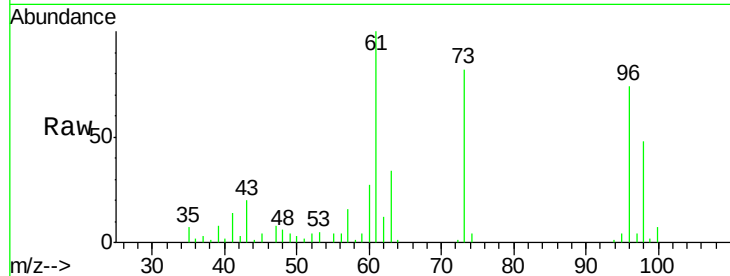
Tot Ion: 96 Resp: 42140

Ion Ratio Lower Upper

96 100

61 134.5 104.2 156.2

98 64.0 51.8 77.6



#22

Diisopropyl ether

Concen: 49.397 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion: 45 Resp: 96270

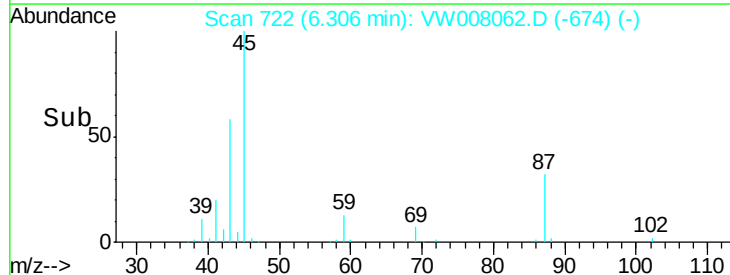
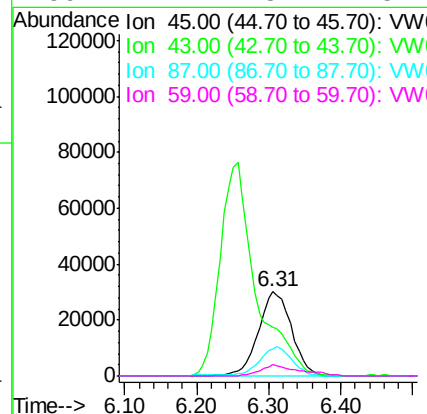
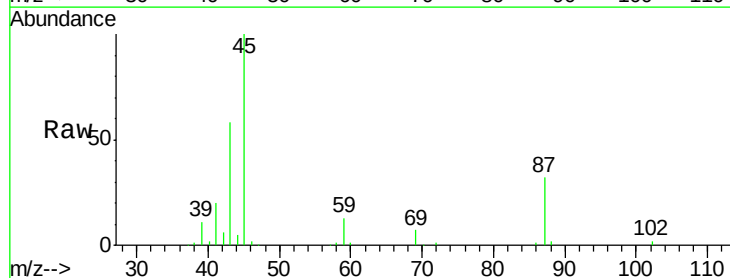
Ion Ratio Lower Upper

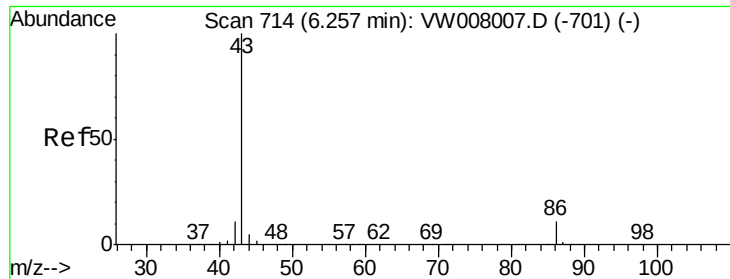
45 100

43 57.4 48.1 72.1

87 32.1 25.8 38.8

59 12.7 8.7 13.1





#23

Vinyl Acetate

Concen: 241.318 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

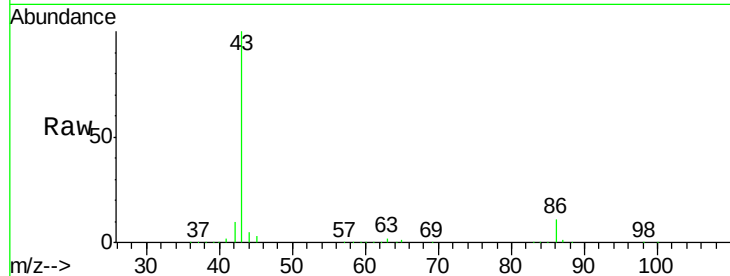
VSTDCCC050

Tot Ion: 43 Resp: 263138

Ion Ratio Lower Upper

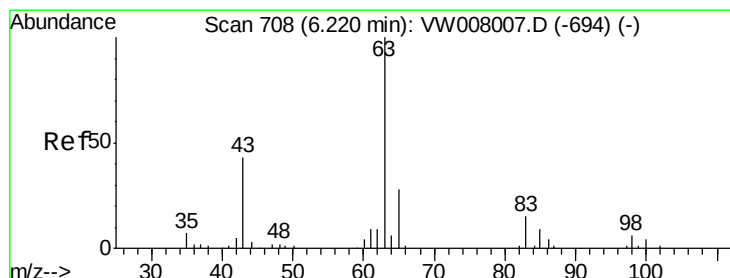
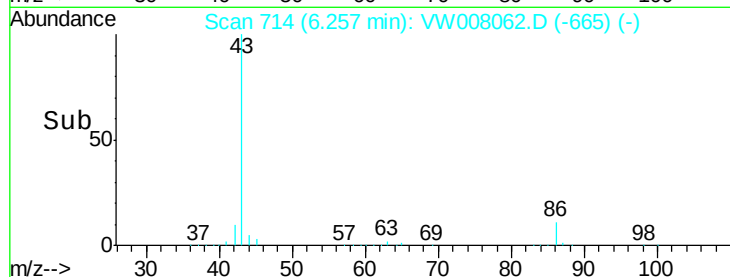
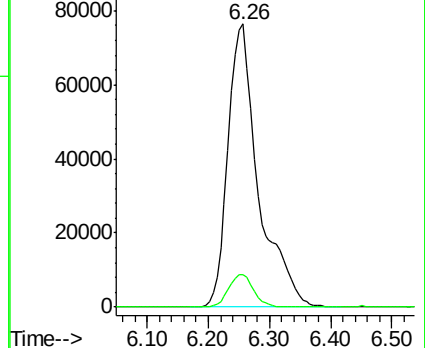
43 100

86 11.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.746 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

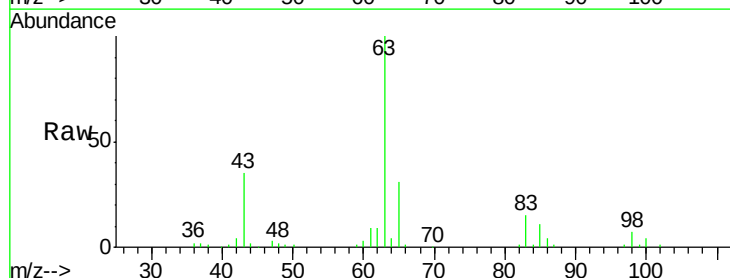
Tgt Ion: 63 Resp: 69138

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

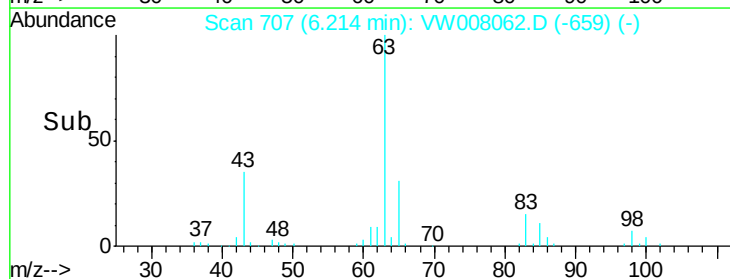
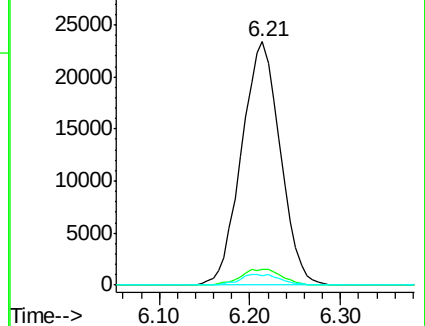
100 3.7 2.1 6.2

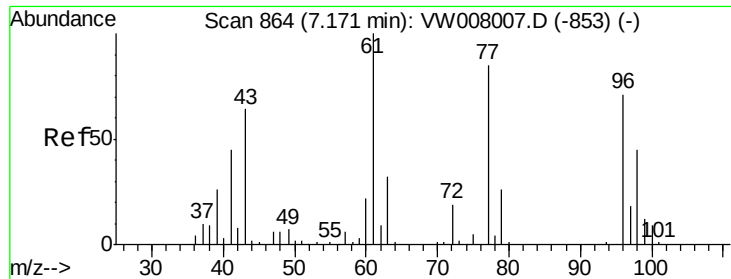


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

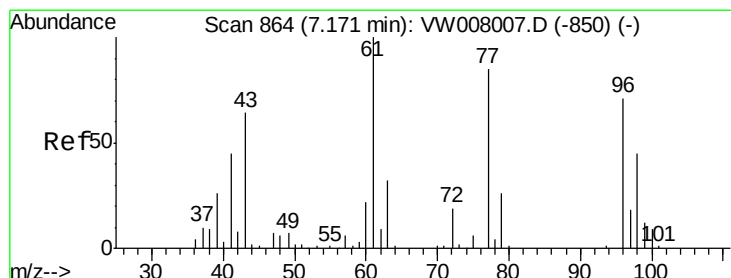
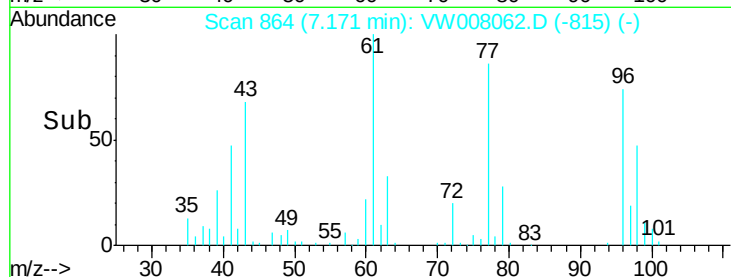
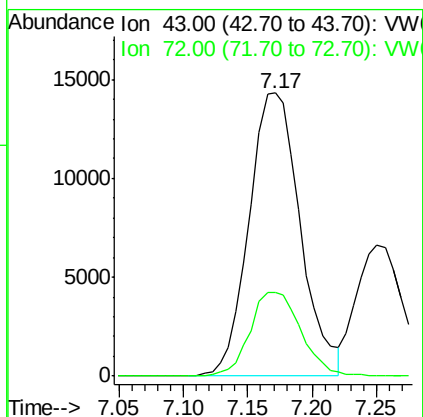
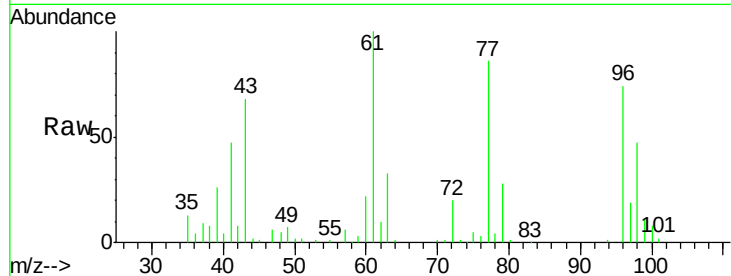




#25
2-Butanone
Concen: 245.448 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

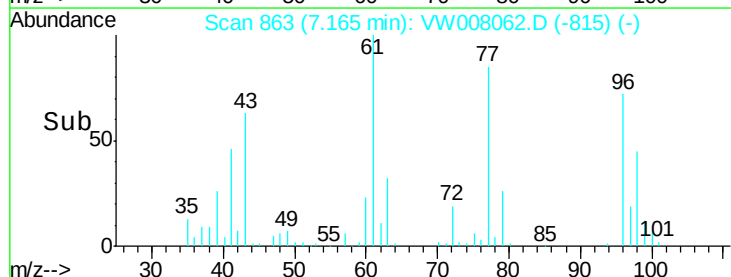
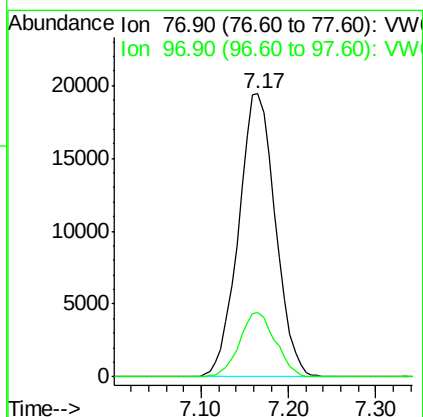
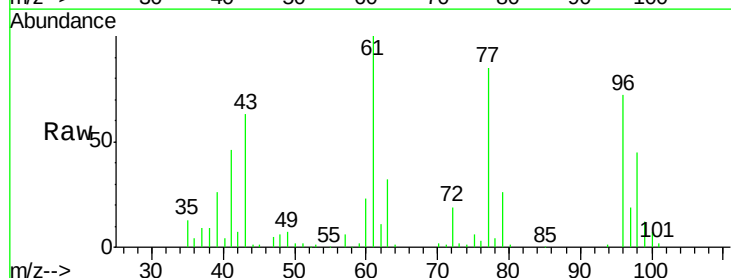
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

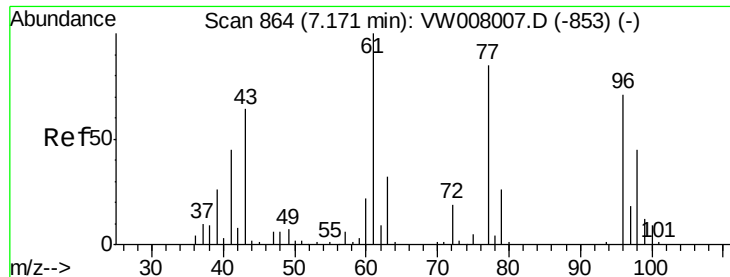
Tot Ion: 43 Resp: 39526
Ion Ratio Lower Upper
43 100
72 29.6 23.8 35.8



#26
2,2-Dichloropropane
Concen: 47.566 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 77 Resp: 56748
Ion Ratio Lower Upper
77 100
97 22.2 11.0 33.0



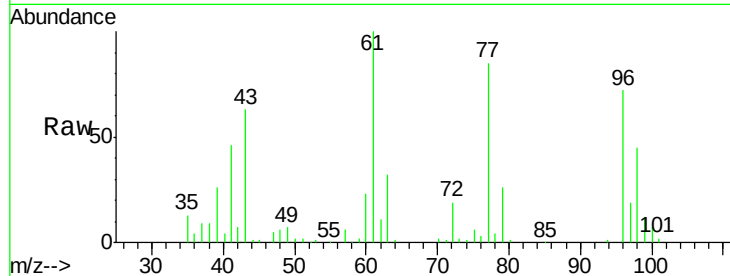


#27

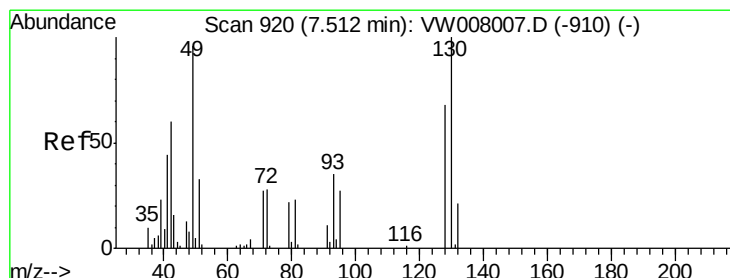
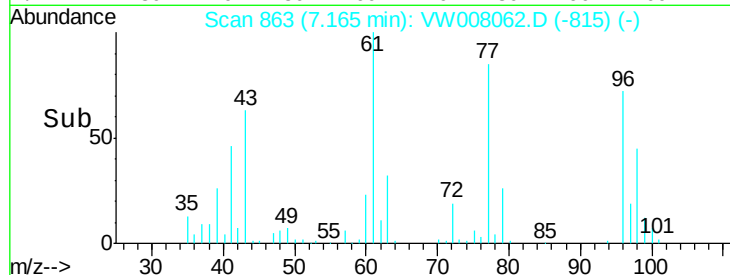
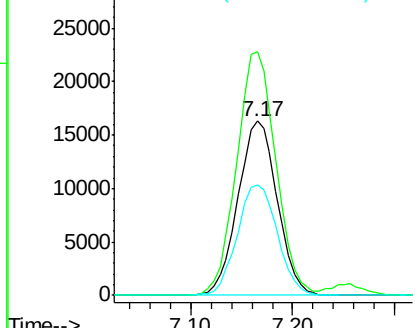
cis-1,2-Dichloroethene
Concen: 46.904 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 43568
Ion Ratio Lower Upper
96 100
61 139.8 0.0 286.4
98 64.7 0.0 130.6



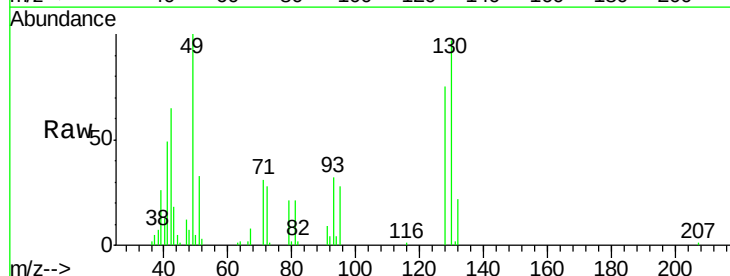
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



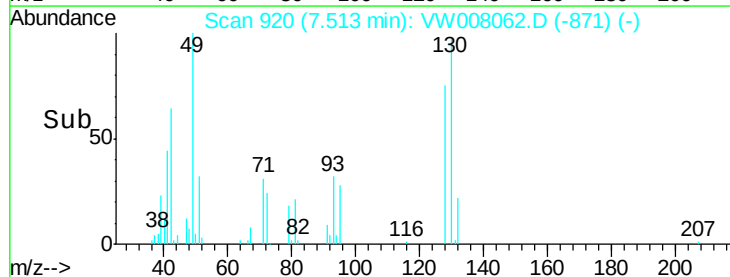
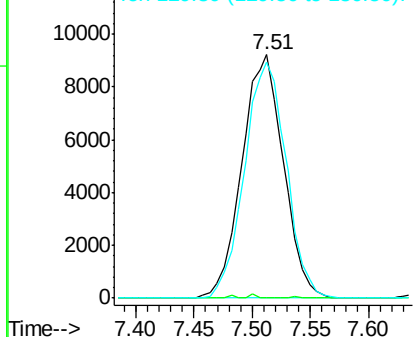
#28

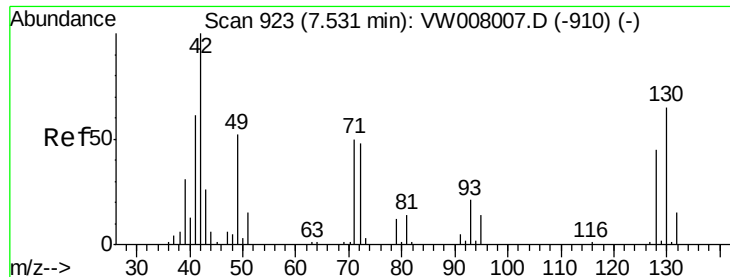
Bromochloromethane
Concen: 49.192 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 49 Resp: 22895
Ion Ratio Lower Upper
49 100
129 0.3 0.0 0.8
130 97.5 78.5 117.7



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 228.997 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

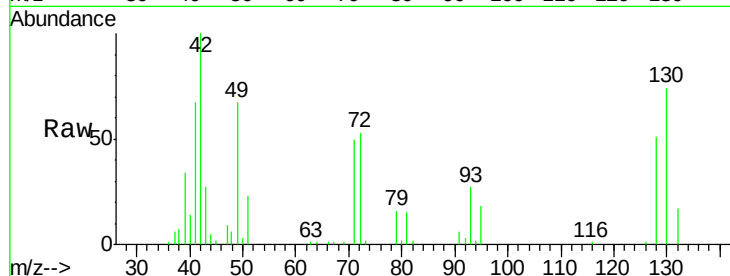
Tot Ion: 42 Resp: 22906

Ion Ratio Lower Upper

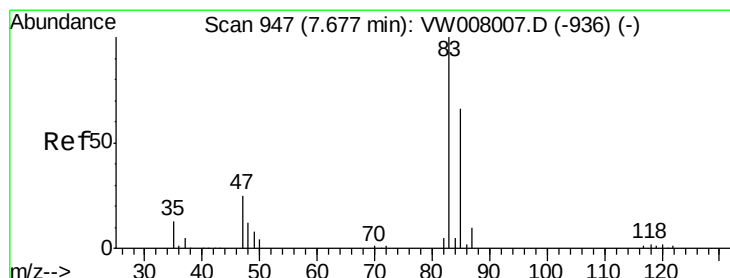
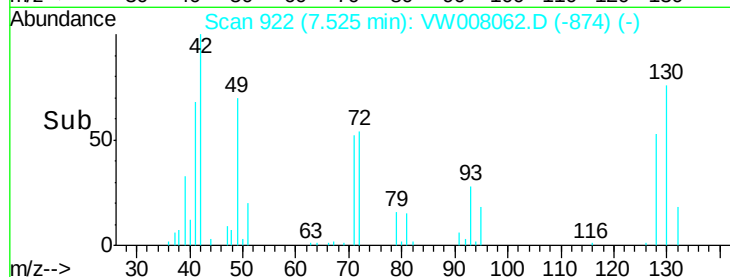
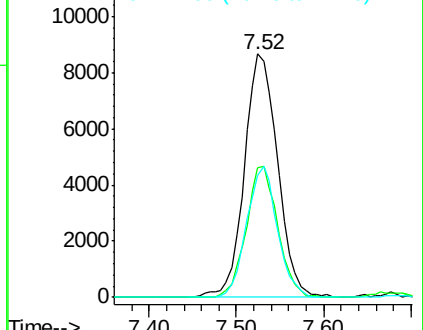
42 100

72 50.9 39.0 58.6

71 49.4 39.1 58.7



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



#30

Chloroform

Concen: 46.767 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW008062.D

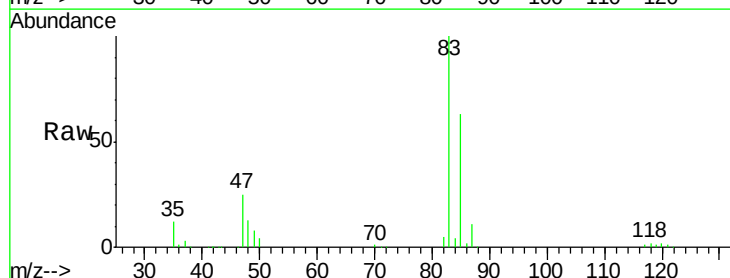
Acq: 07 Jan 2019 11:39

Tgt Ion: 83 Resp: 75898

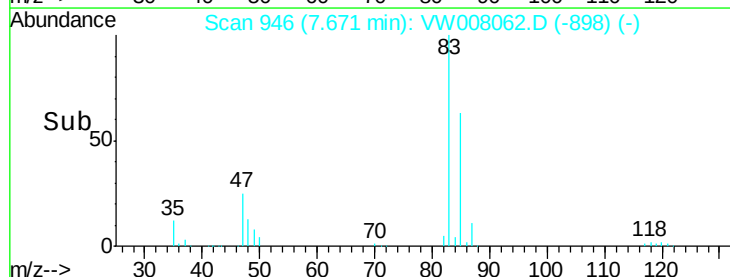
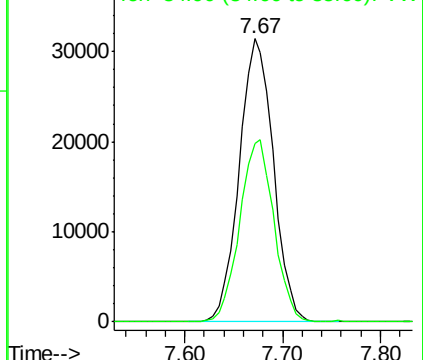
Ion Ratio Lower Upper

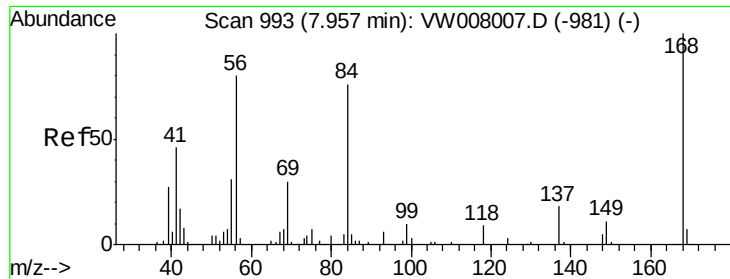
83 100

85 62.9 52.7 79.1



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

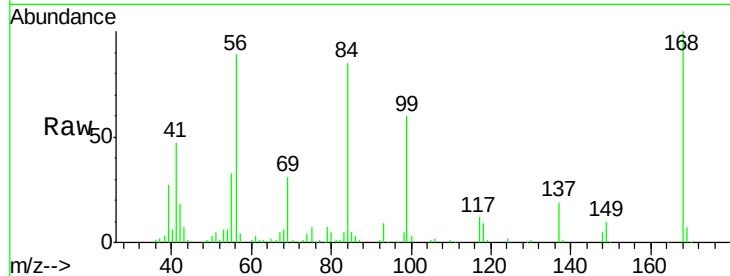




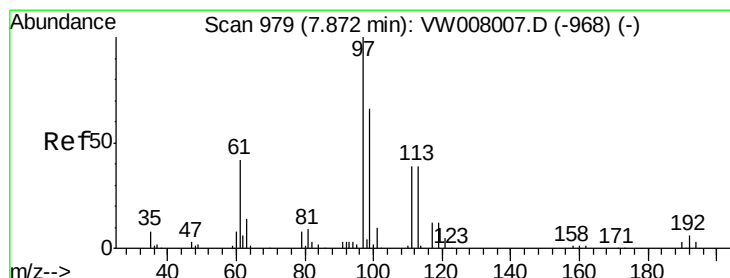
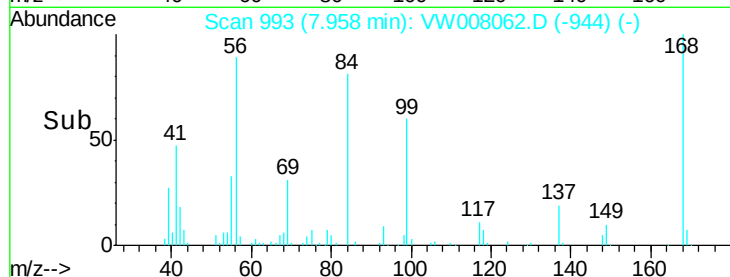
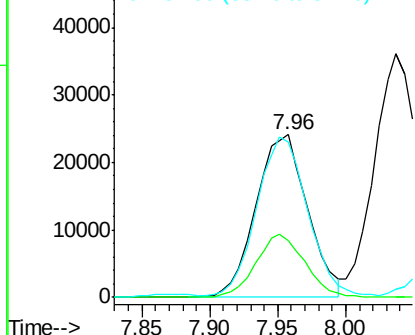
#31
Cyclohexane
Concen: 47.403 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 63978
Ion Ratio Lower Upper
56 100
69 35.1 29.8 44.6
84 93.8 75.2 112.8

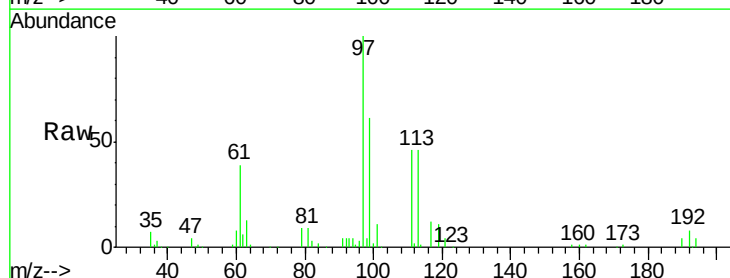


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

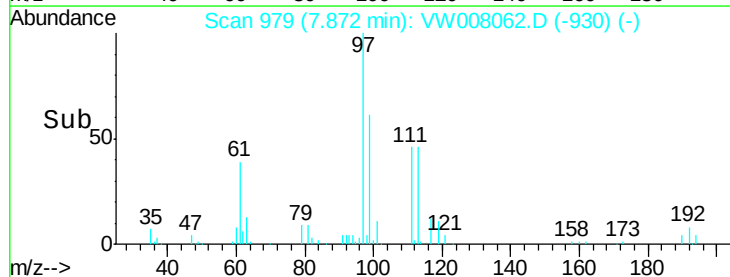
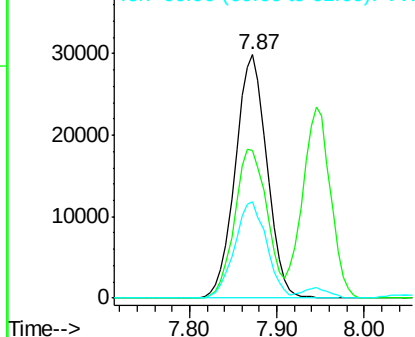


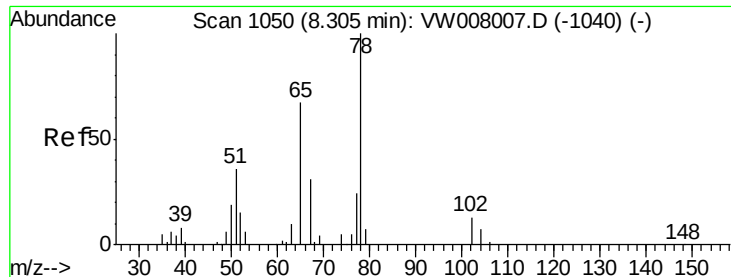
#32
1,1,1-Trichloroethane
Concen: 48.288 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 97 Resp: 74986
Ion Ratio Lower Upper
97 100
99 63.3 51.5 77.3
61 40.1 33.4 50.0



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

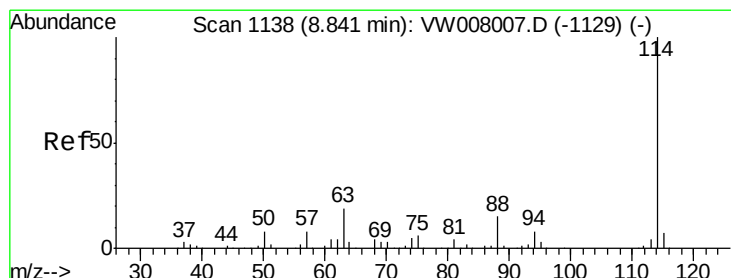
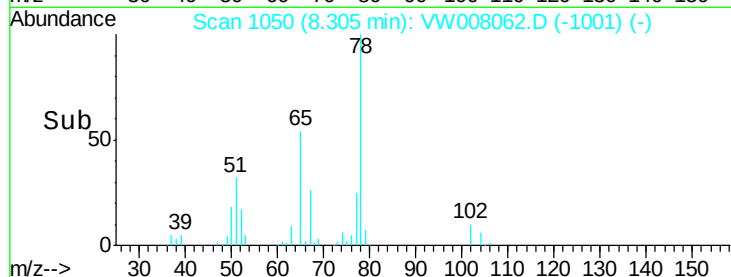
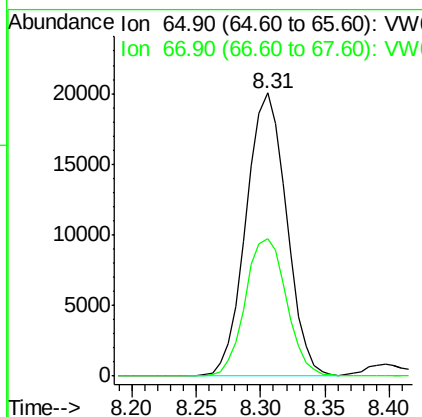
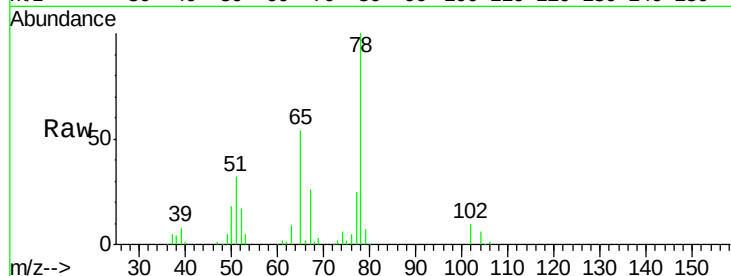




#33
 1,2-Dichloroethane-d4
 Concen: 49.410 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

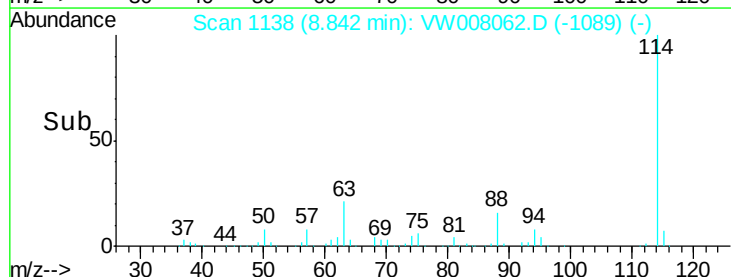
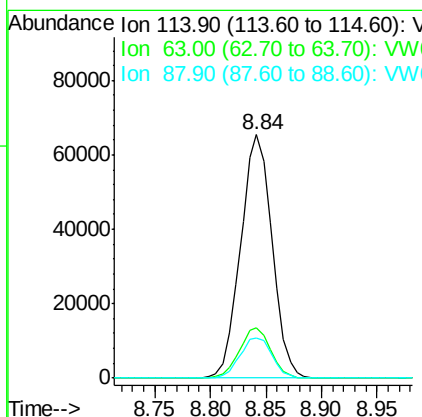
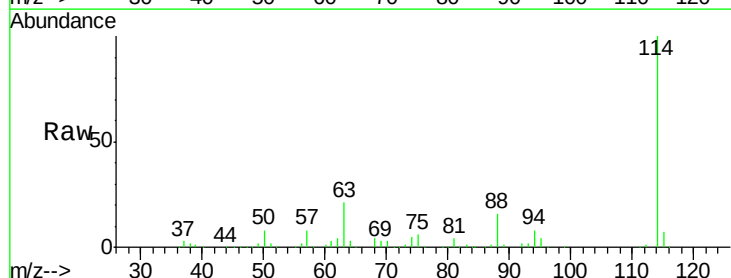
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

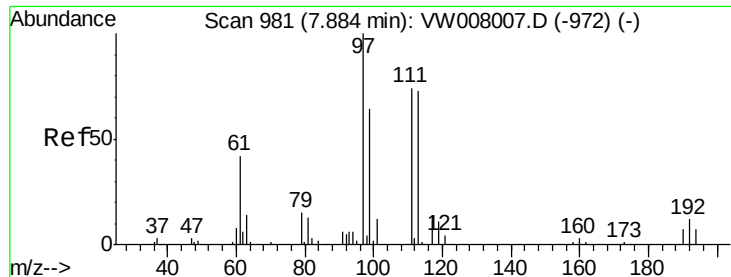
Tot Ion: 65 Resp: 43627
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 114 Resp: 128348
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.8
 88 16.4 0.0 31.0

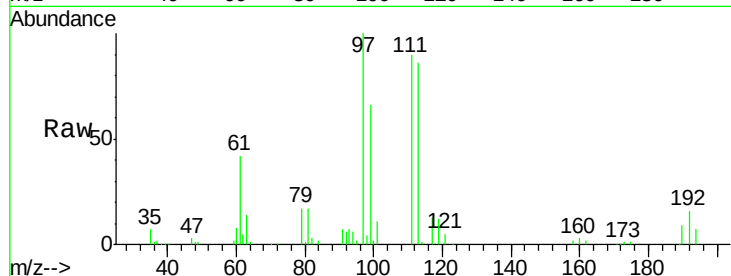




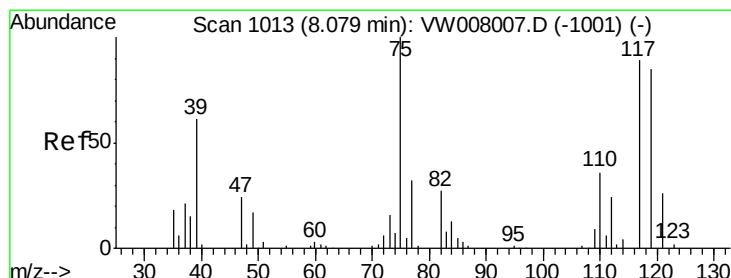
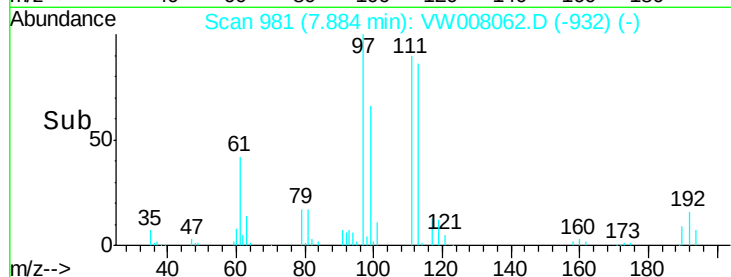
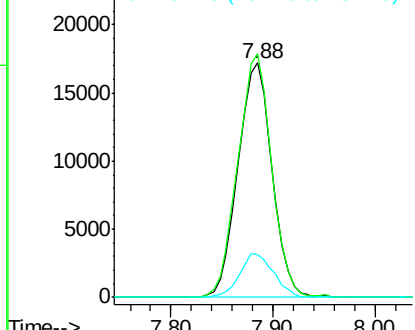
#35
 Dibromofluoromethane
 Concen: 49.376 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 39951
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.0
 192 18.4 14.8 22.2

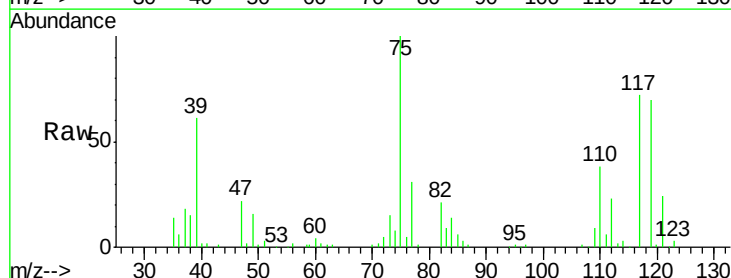


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

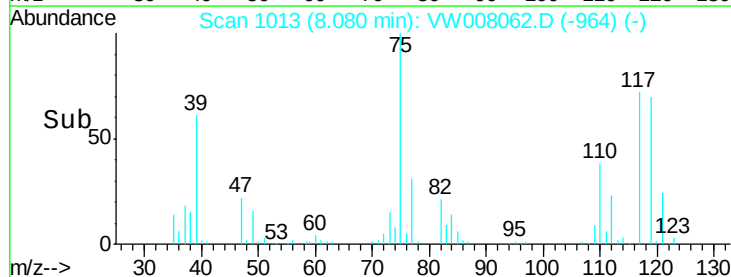
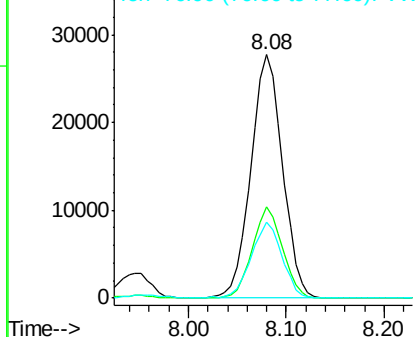


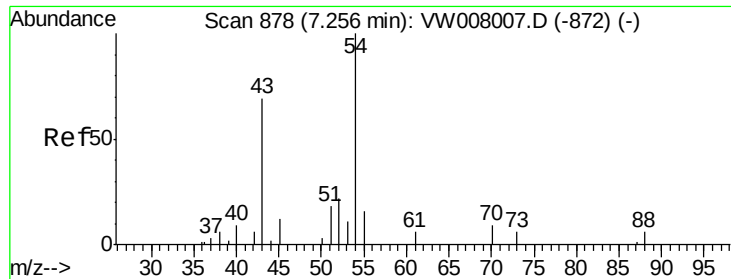
#36
 1,1-Dichloropropene
 Concen: 49.178 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 75 Resp: 62264
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.1 54.3
 77 30.5 25.3 37.9



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

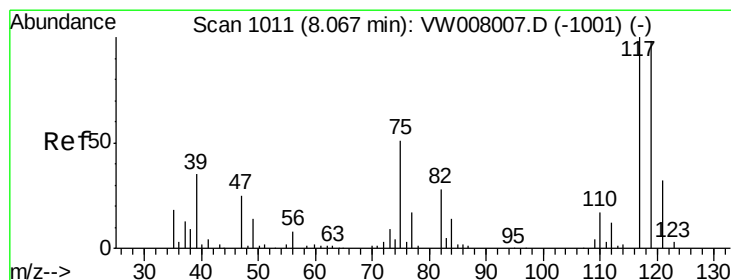
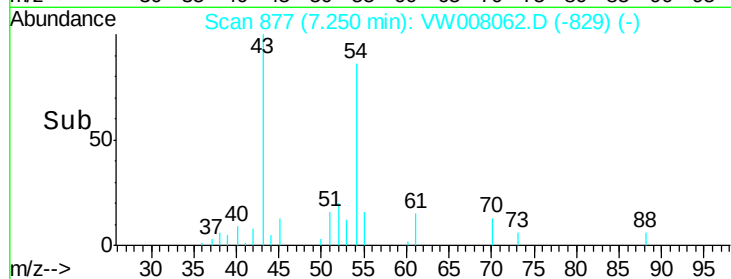
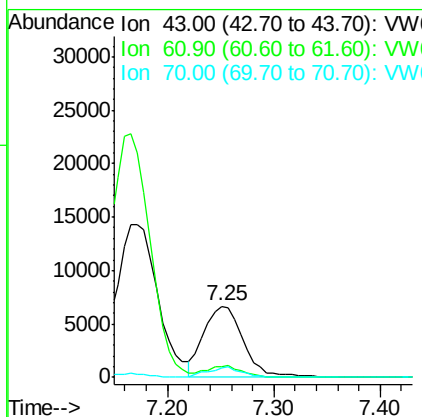
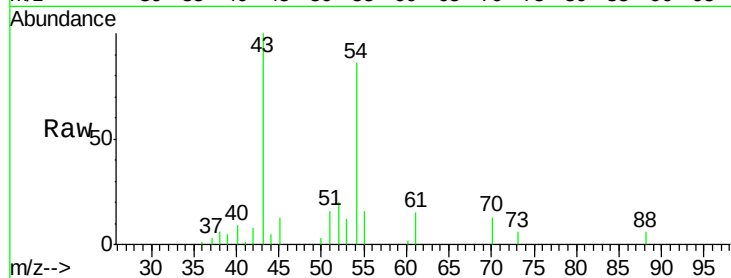




#37
Ethyl Acetate
Concen: 44.827 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

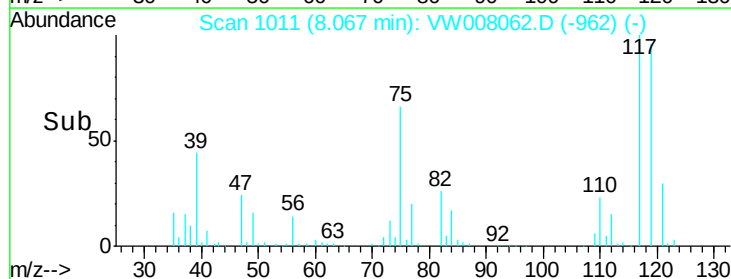
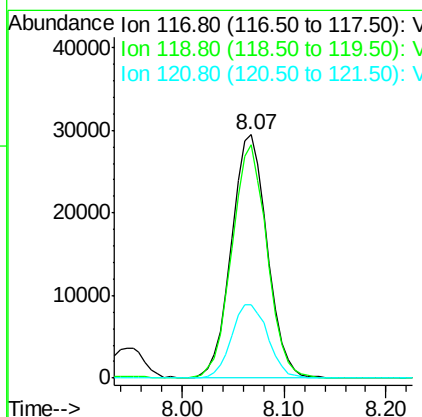
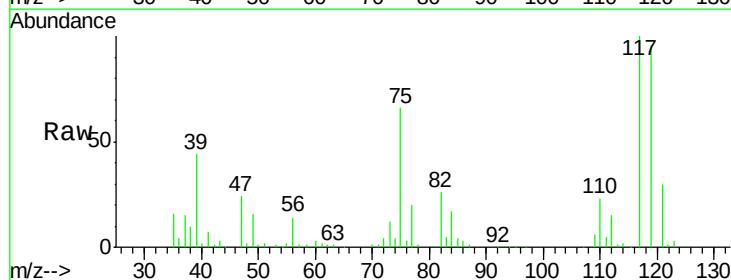
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

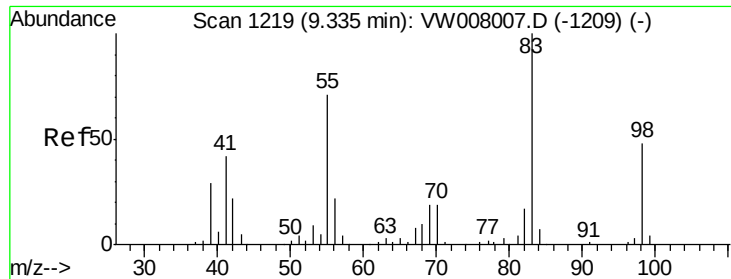
Tot Ion: 43 Resp: 17048
Ion Ratio Lower Upper
43 100
61 14.1 11.4 17.2
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 47.194 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 117 Resp: 71609
Ion Ratio Lower Upper
117 100
119 95.7 78.7 118.1
121 30.1 25.8 38.8

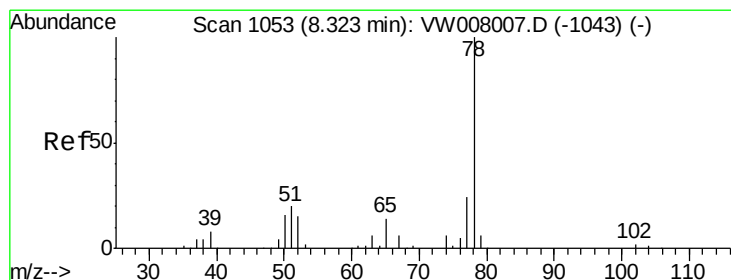
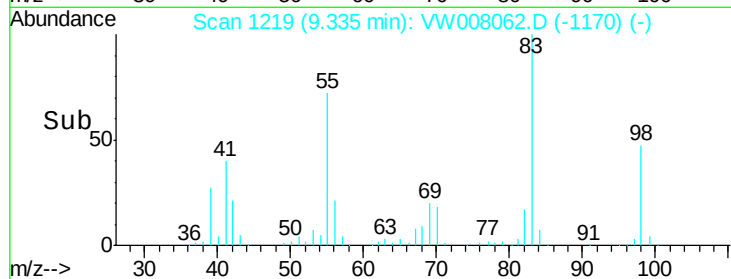
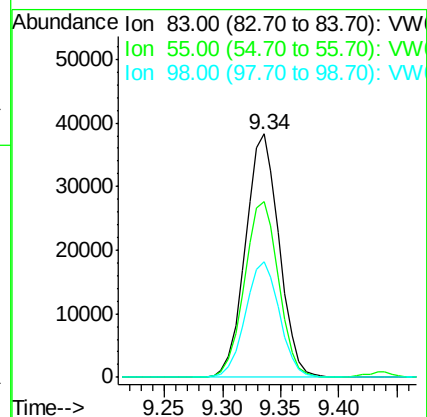
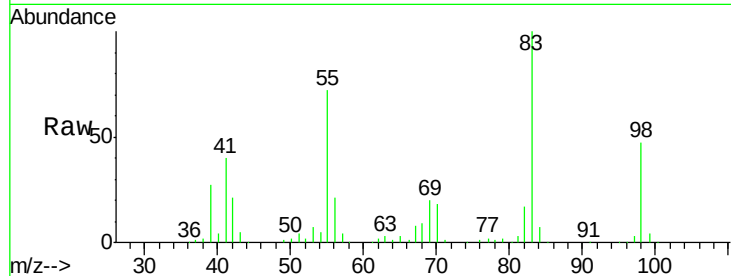




#39
Methylvlcyclohexane
Concen: 48.914 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

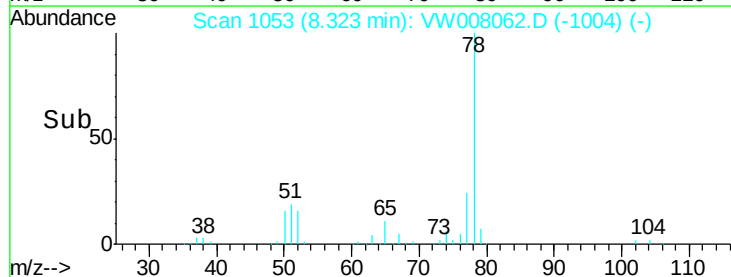
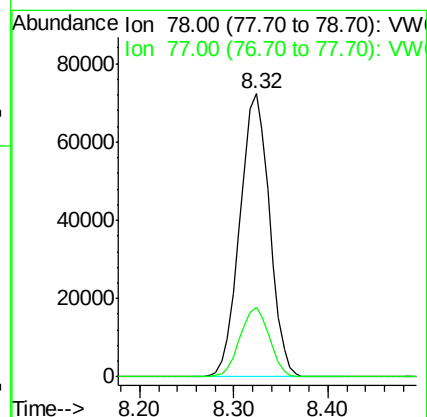
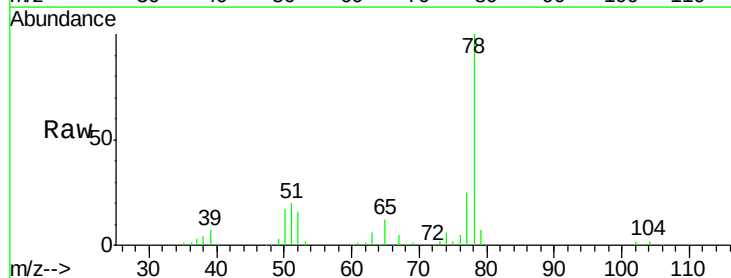
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

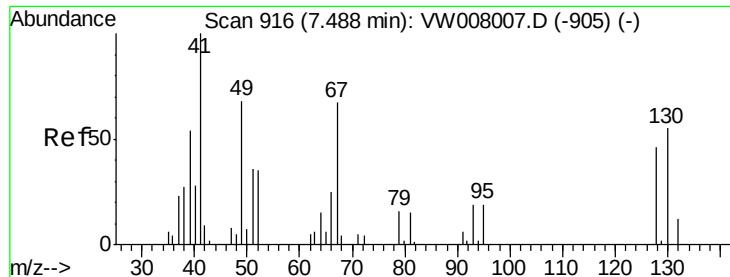
Tot Ion: 83 Resp: 77195
Ion Ratio Lower Upper
83 100
55 72.0 56.8 85.2
98 47.3 38.6 58.0



#40
Benzene
Concen: 47.619 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 78 Resp: 159052
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6





#41

Methacrylonitrile

Concen: 54.346 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 12152

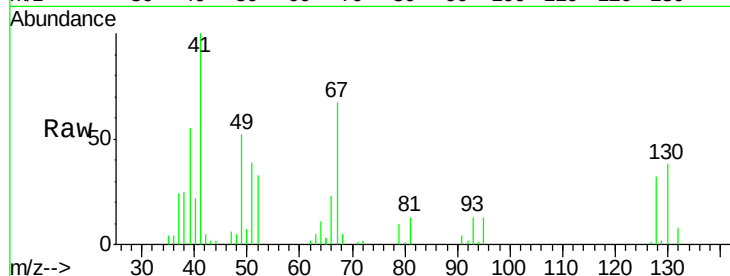
Ion Ratio Lower Upper

41 100

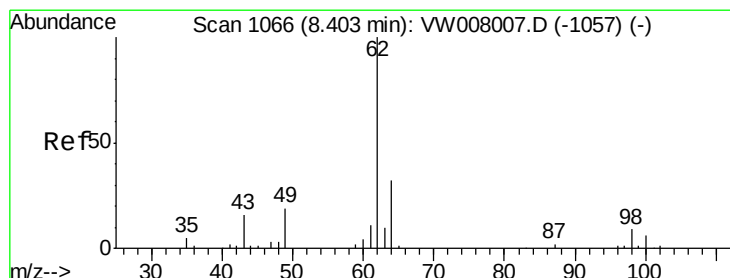
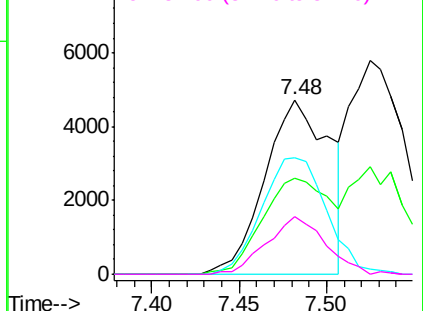
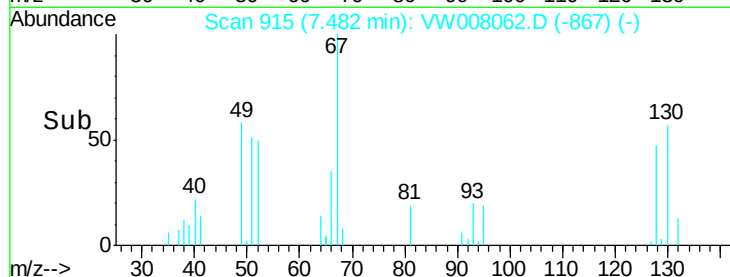
39 58.1 48.6 72.8

67 67.4 55.6 83.4

52 30.3 25.9 38.9



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: 45.656 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008062.D

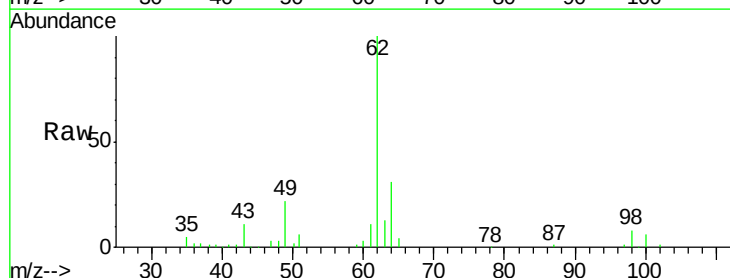
Acq: 07 Jan 2019 11:39

Tgt Ion: 62 Resp: 50809

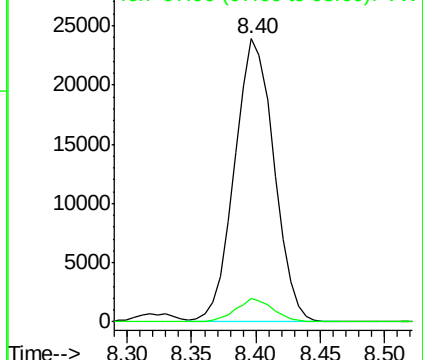
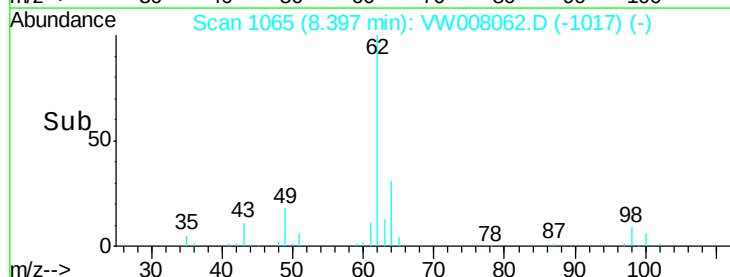
Ion Ratio Lower Upper

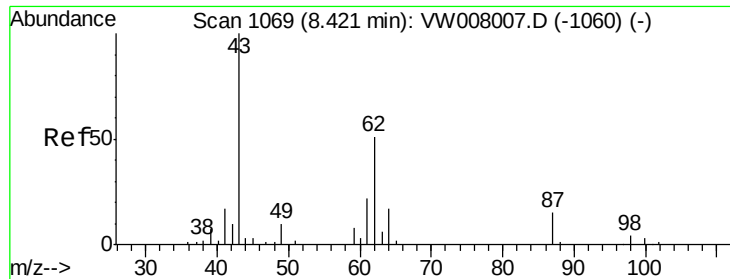
62 100

98 7.8 0.0 15.6



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





#43

Isopropyl Acetate

Concen: 47.711 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

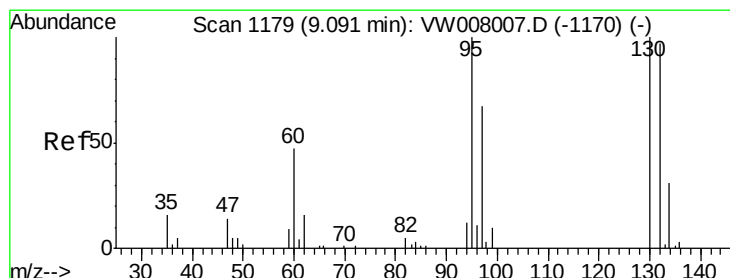
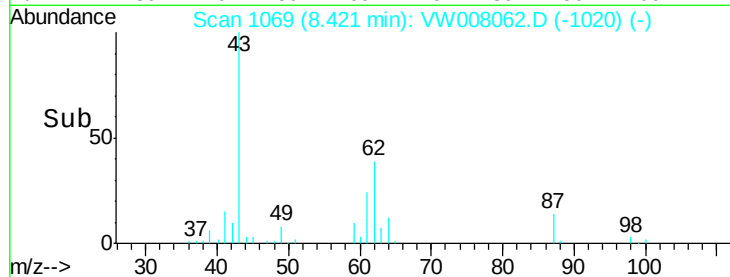
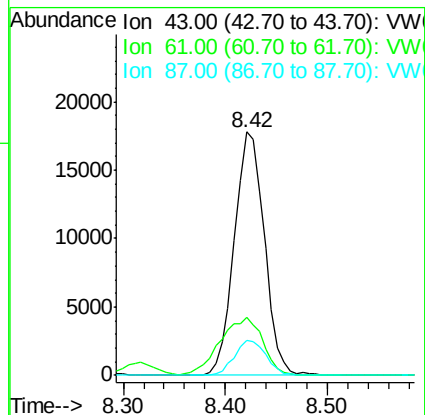
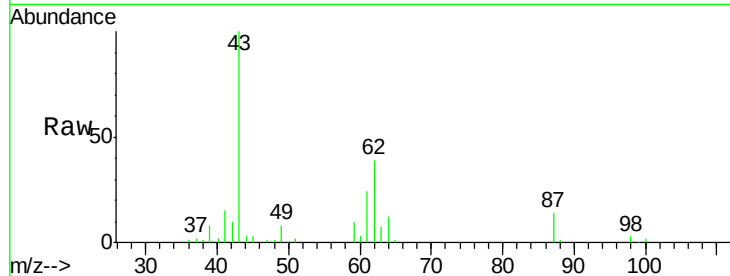
Tot Ion: 43 Resp: 36255

Ion Ratio Lower Upper

43 100

61 33.9 26.4 39.6

87 14.9 12.0 18.0



#44

Trichloroethene

Concen: 46.343 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008062.D

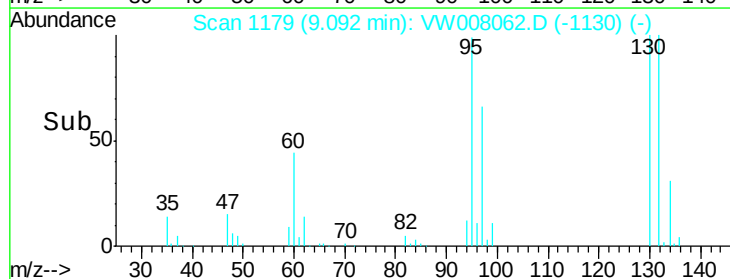
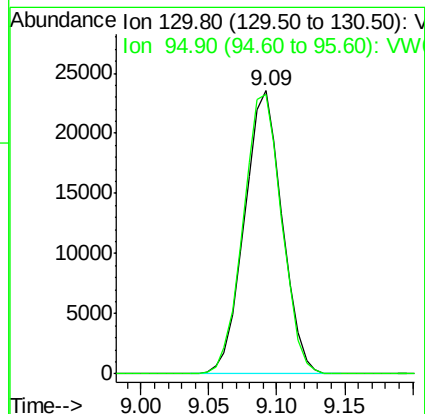
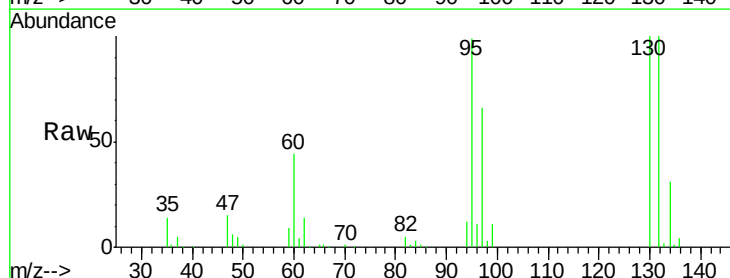
Acq: 07 Jan 2019 11:39

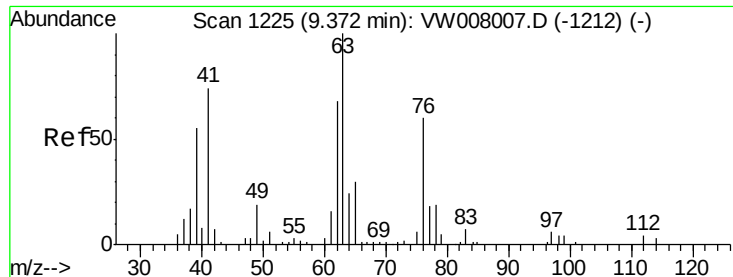
Tgt Ion: 130 Resp: 45677

Ion Ratio Lower Upper

130 100

95 98.6 0.0 200.0

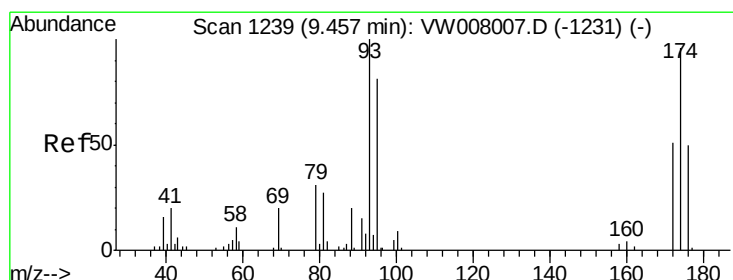
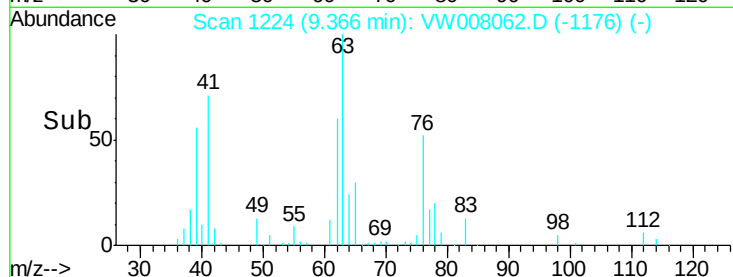
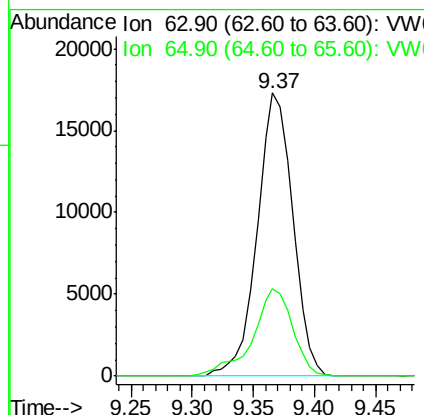
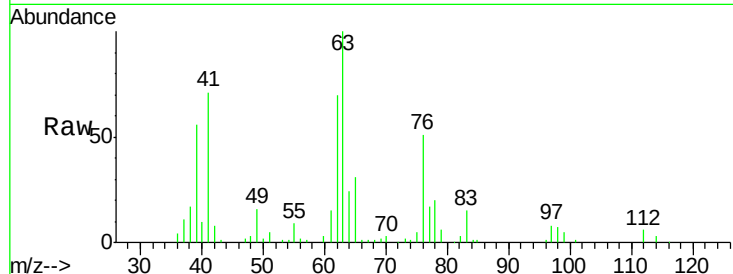




#45
 1,2-Dichloropropane
 Concen: 48.569 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

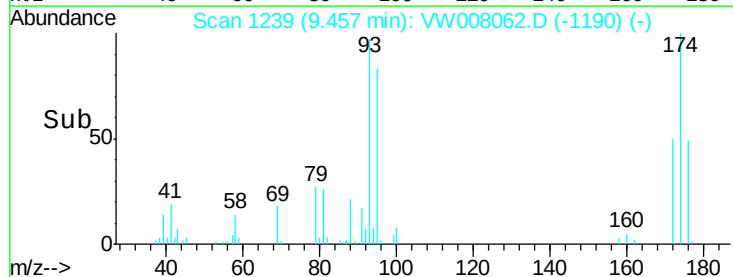
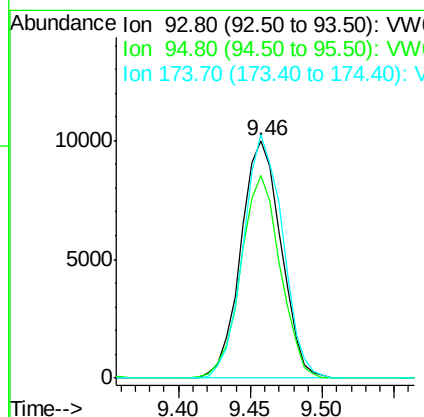
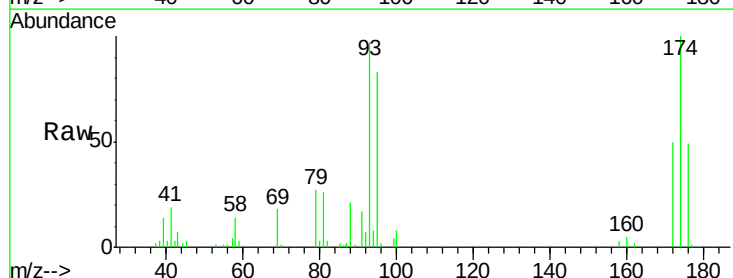
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

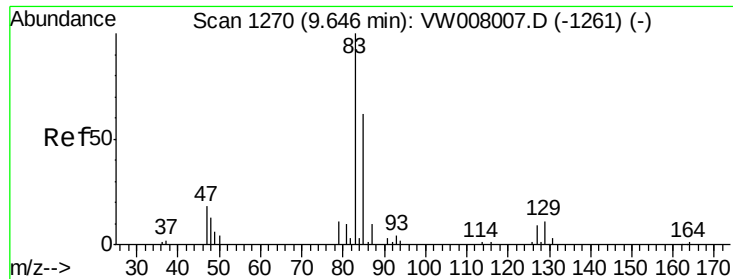
Tot Ion: 63 Resp: 35114
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.2 36.4



#46
 Dibromomethane
 Concen: 45.792 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 93 Resp: 19356
 Ion Ratio Lower Upper
 93 100
 95 83.3 63.9 95.9
 174 100.3 79.0 118.6

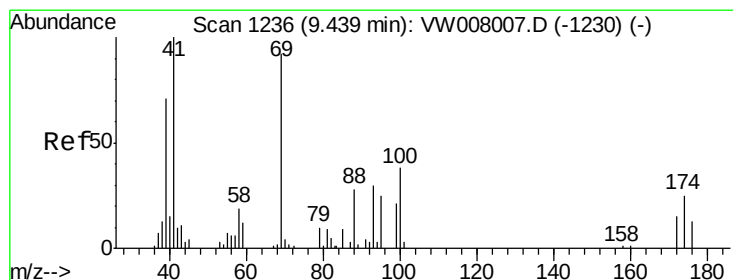
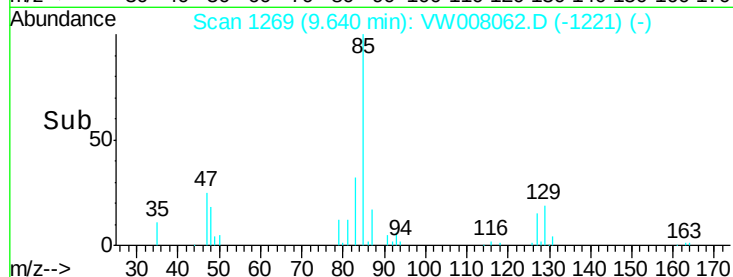
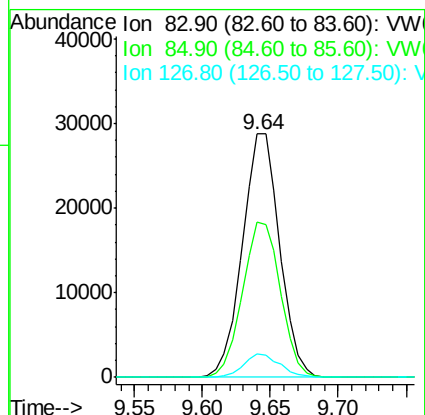
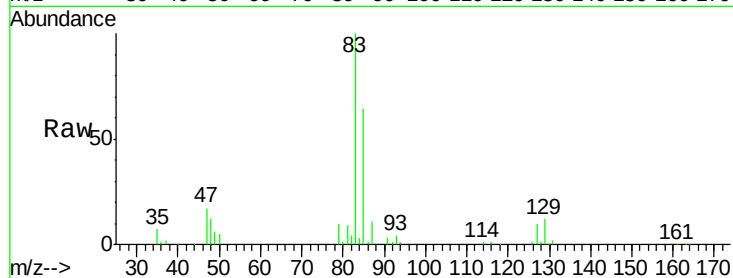




#47
 Bromodichloromethane
 Concen: 46.666 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

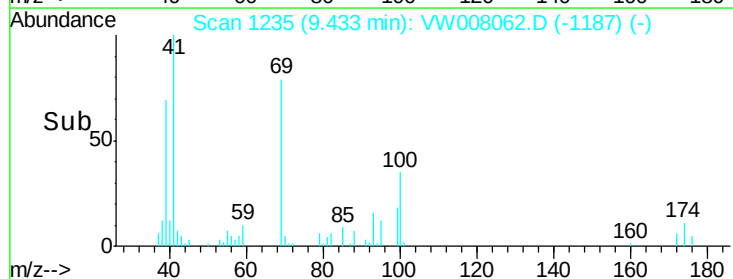
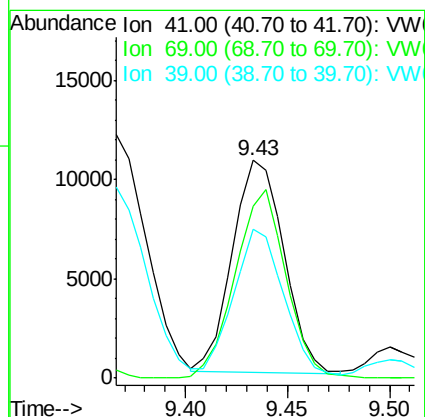
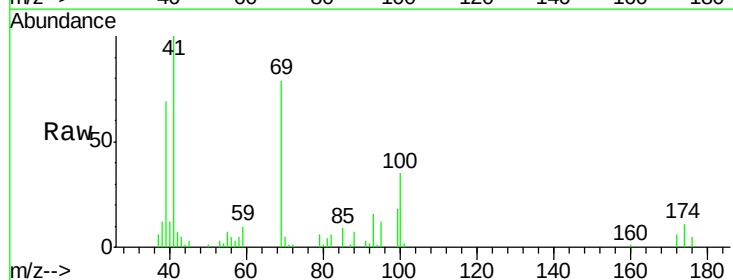
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

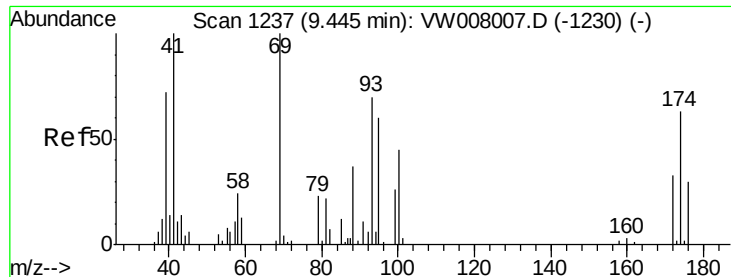
Tot Ion: 83 Resp: 55248
 Ion Ratio Lower Upper
 83 100
 85 63.7 49.5 74.3
 127 9.8 7.5 11.3



#48
 Methyl methacrylate
 Concen: 48.914 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 41 Resp: 18741
 Ion Ratio Lower Upper
 41 100
 69 87.9 72.3 108.5
 39 66.5 58.7 88.1





#49

1,4-Dioxane

Concen: 835.939 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

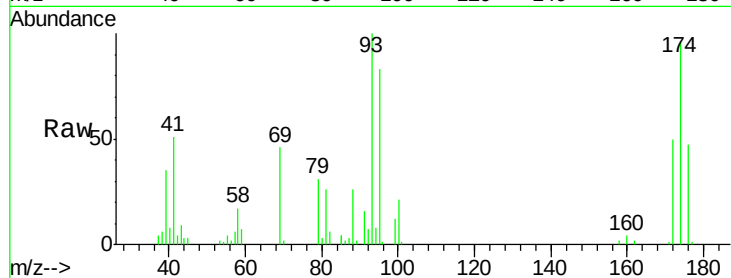
Tot Ion: 88 Resp: 5229

Ion Ratio Lower Upper

88 100

43 33.1 26.8 40.2

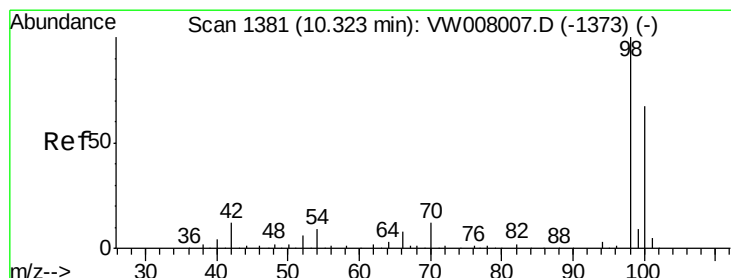
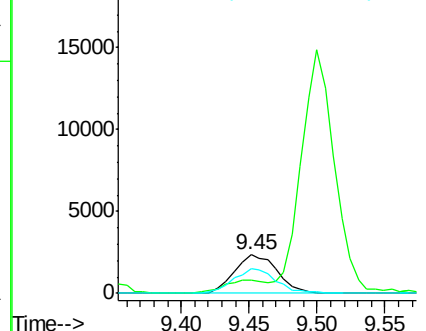
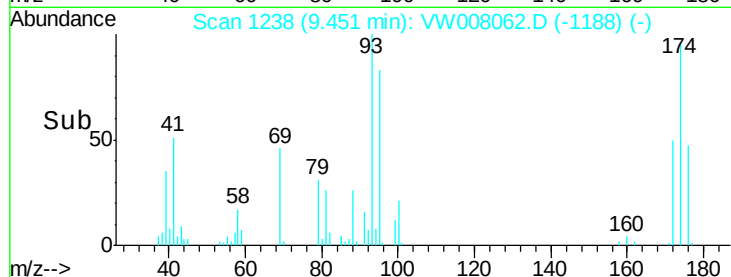
58 64.0 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.636 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008062.D

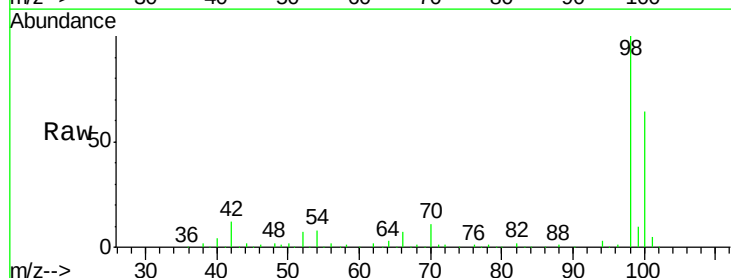
Acq: 07 Jan 2019 11:39

Tgt Ion: 98 Resp: 156723

Ion Ratio Lower Upper

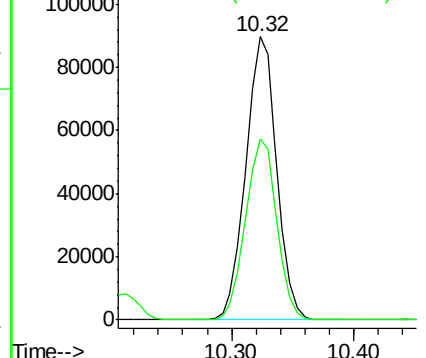
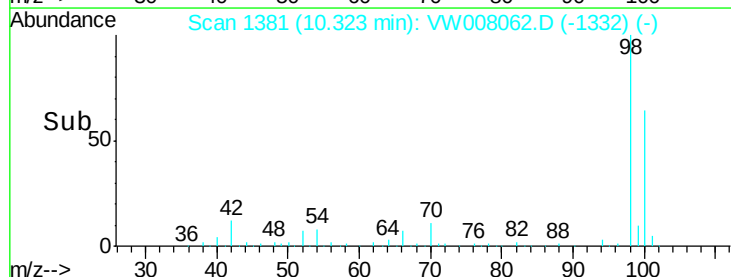
98 100

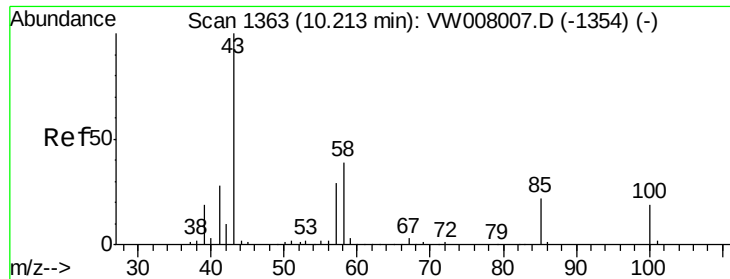
100 64.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 235.029 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

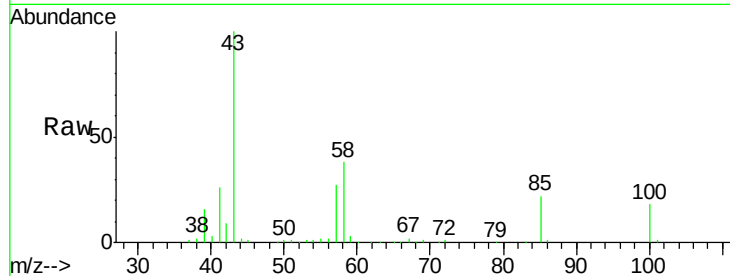
VSTDCCC050

Tot Ion: 43 Resp: 82670

Ion Ratio Lower Upper

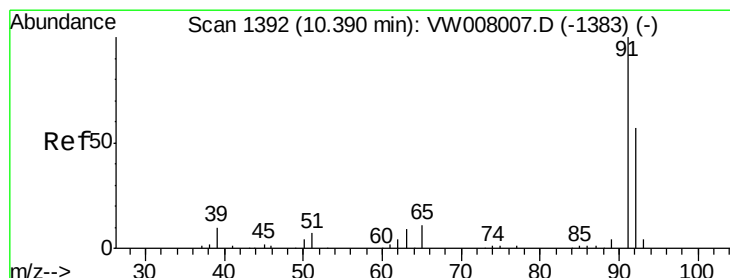
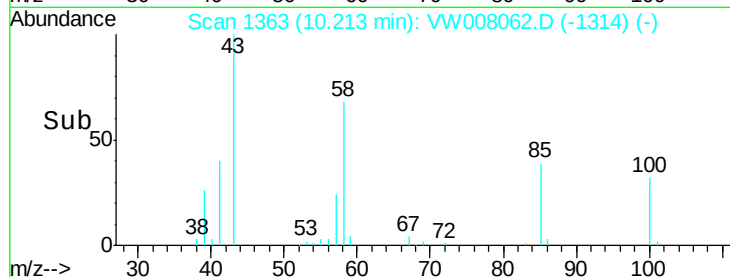
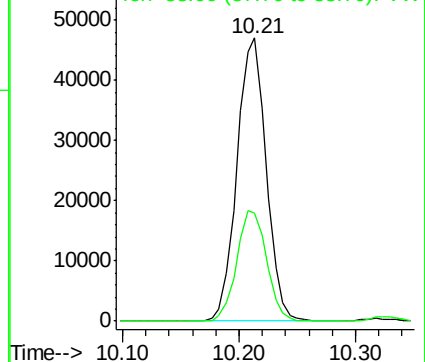
43 100

58 39.8 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 47.270 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008062.D

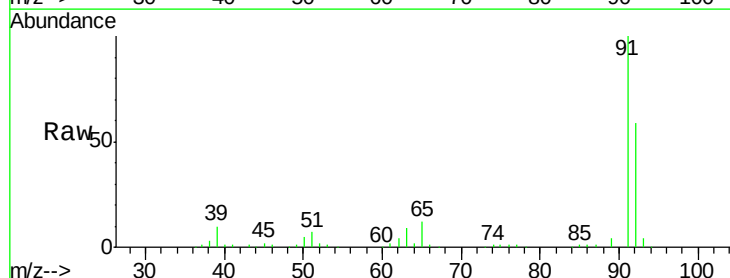
Acq: 07 Jan 2019 11:39

Tgt Ion: 92 Resp: 104233

Ion Ratio Lower Upper

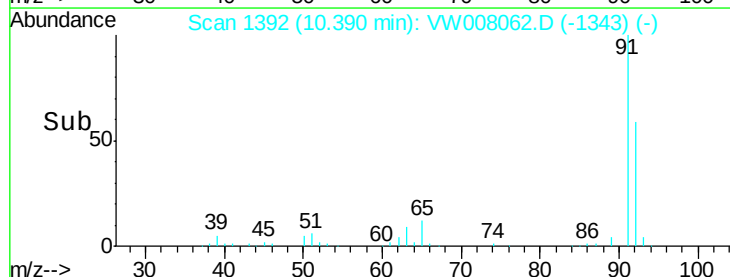
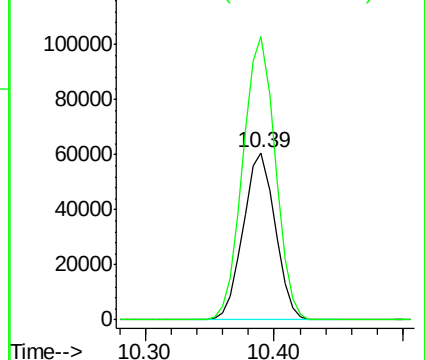
92 100

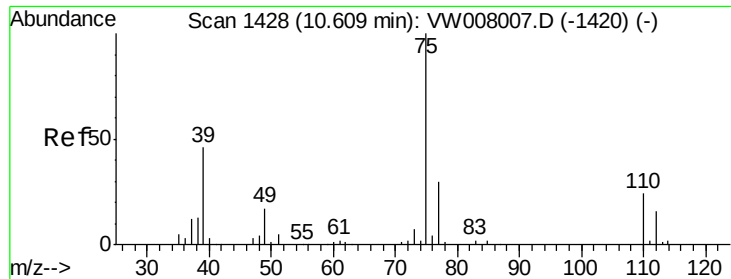
91 171.6 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 47.950 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

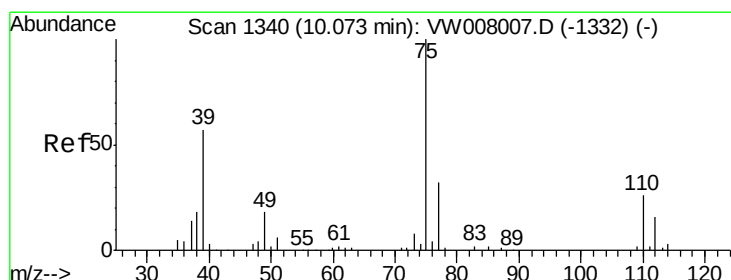
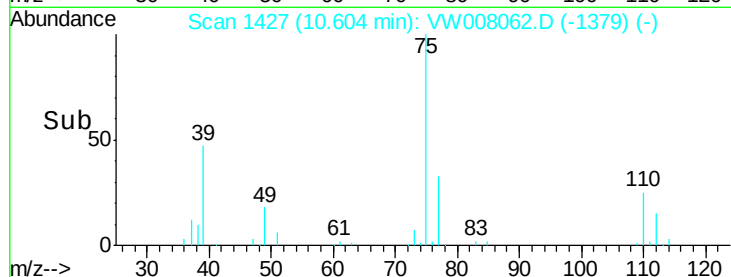
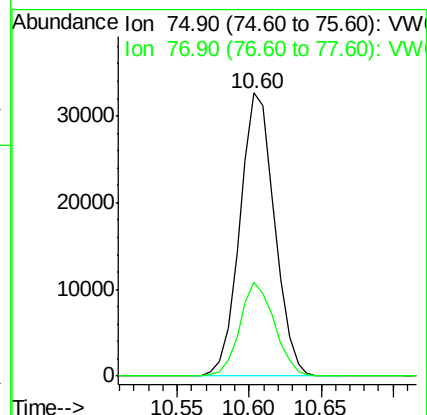
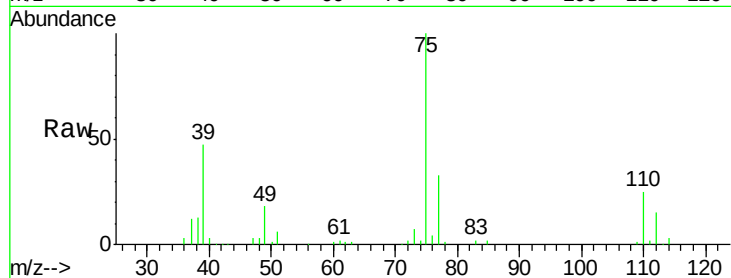
VSTDCCC050

Tot Ion: 75 Resp: 54588

Ion Ratio Lower Upper

75 100

77 33.0 24.0 36.0



#54

cis-1,3-Dichloropropene

Concen: 48.456 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

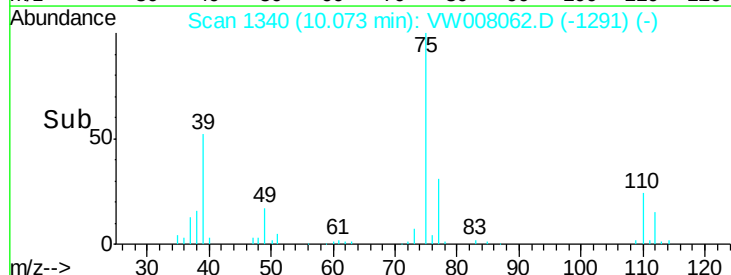
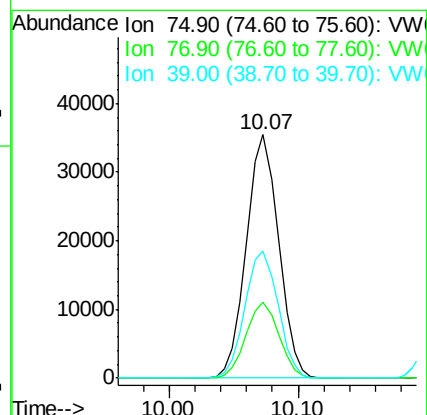
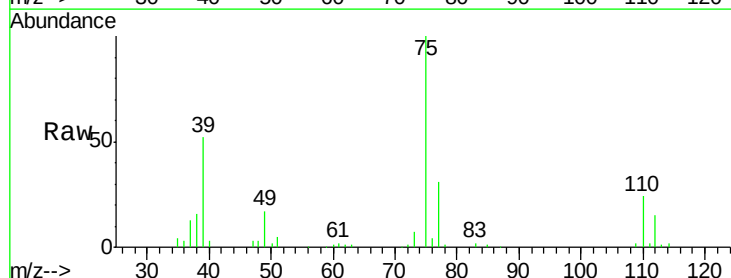
Tgt Ion: 75 Resp: 61556

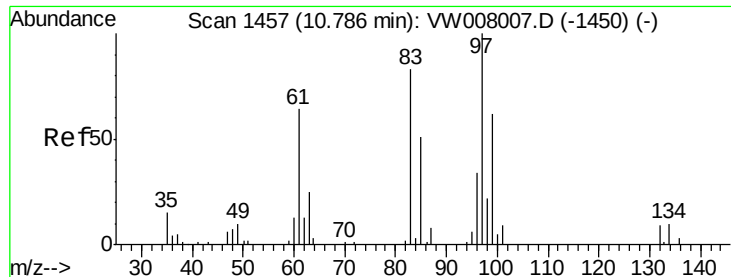
Ion Ratio Lower Upper

75 100

77 31.3 25.9 38.9

39 52.1 45.4 68.0

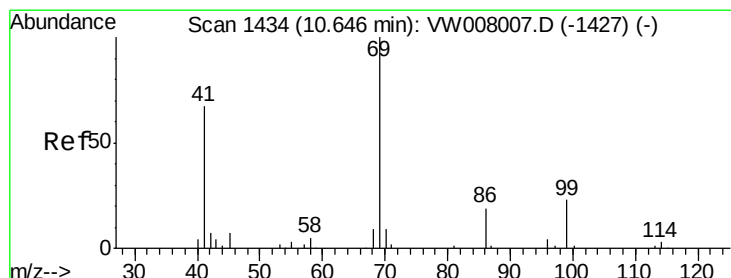
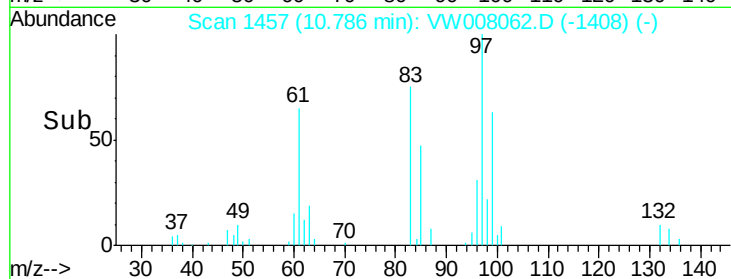
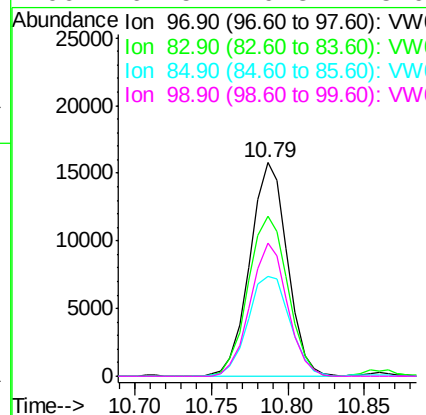
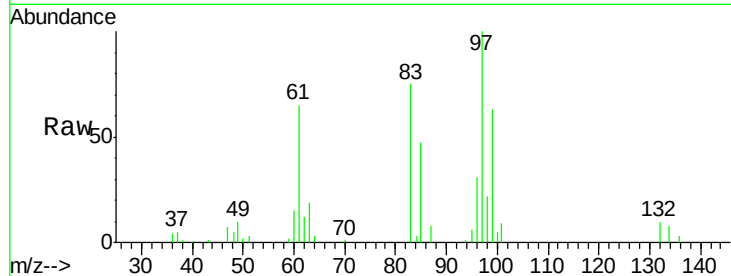




#55
 1,1,2-Trichloroethane
 Concen: 46.989 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

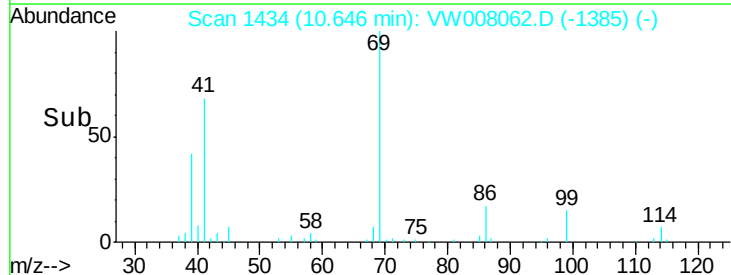
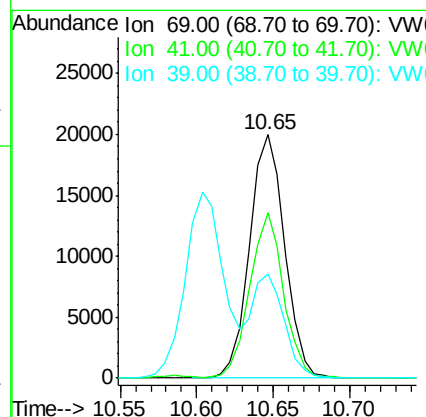
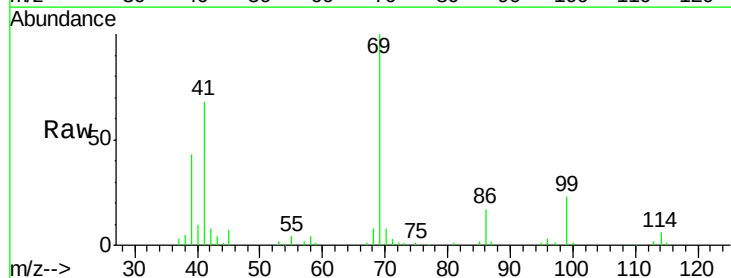
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

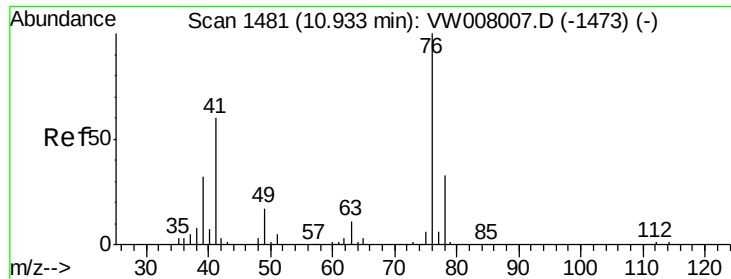
Tot Ion:	97	Resp:	26892
Ion	Ratio	Lower	Upper
97	100		
83	74.8	66.2	99.2
85	46.5	41.0	61.4
99	62.5	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 49.103 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion:	69	Resp:	31769
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.6	79.0
39	40.4	35.8	53.6

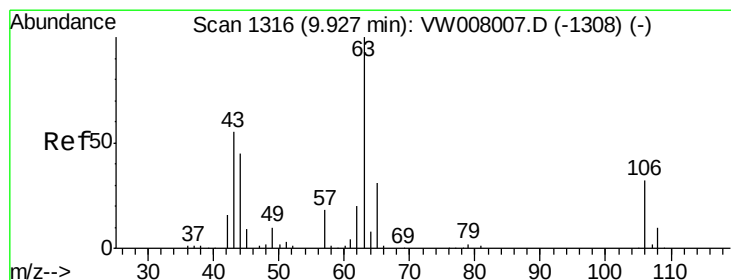
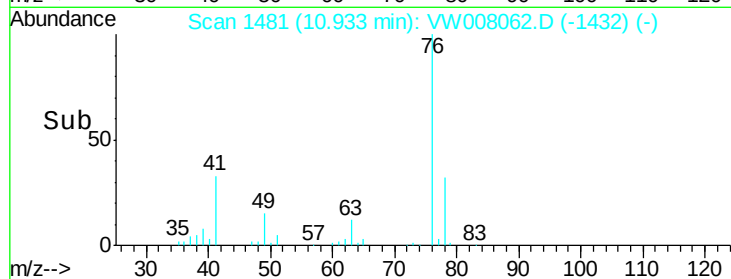
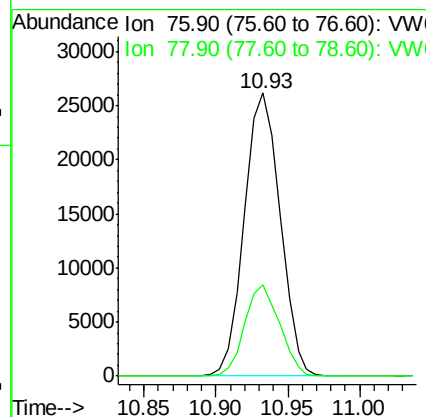
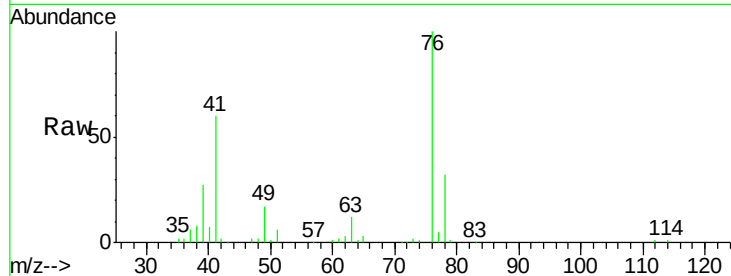




#57
 1,3-Dichloropropane
 Concen: 46.429 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

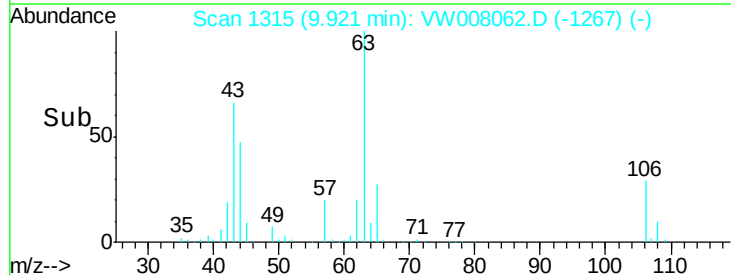
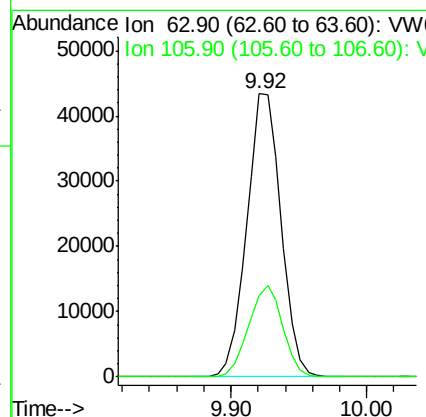
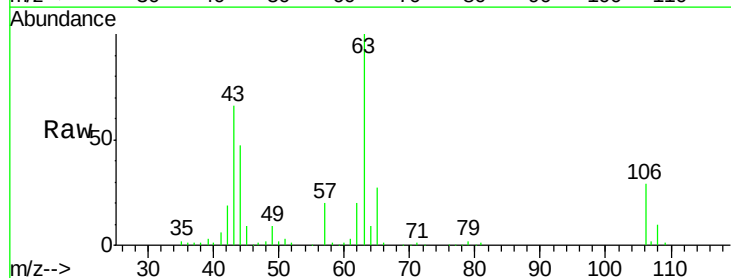
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

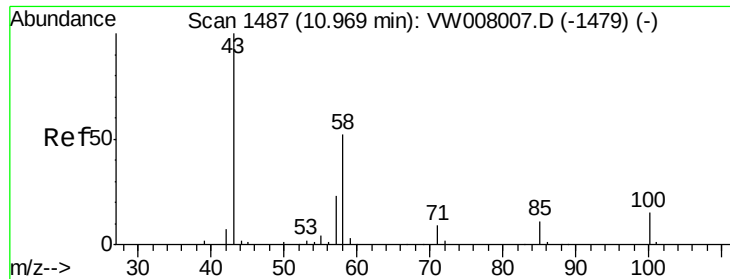
Tot Ion: 76 Resp: 45150
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.995 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 63 Resp: 76402
 Ion Ratio Lower Upper
 63 100
 106 32.1 26.9 40.3





#59

2-Hexanone

Concen: 240.265 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

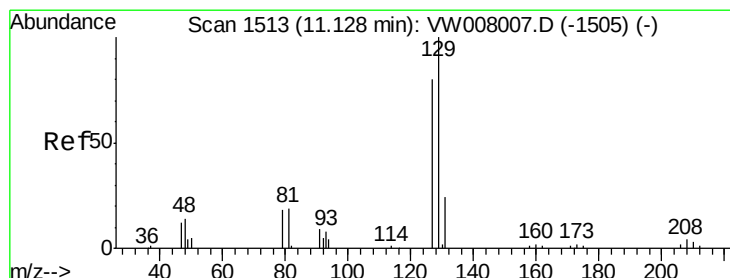
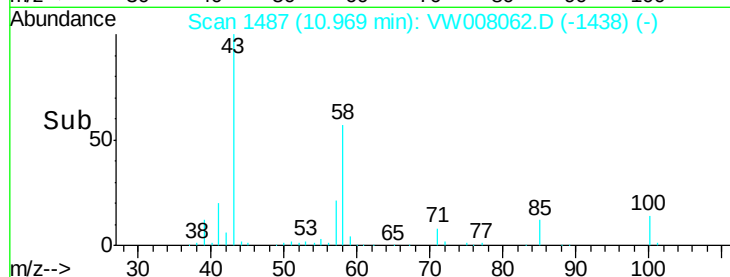
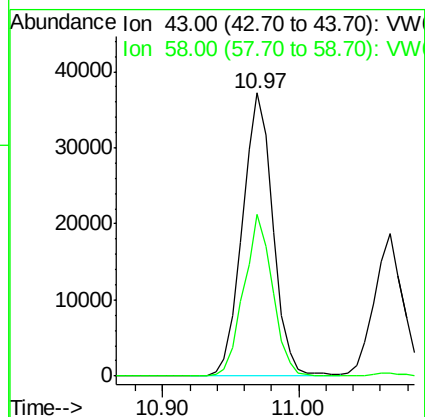
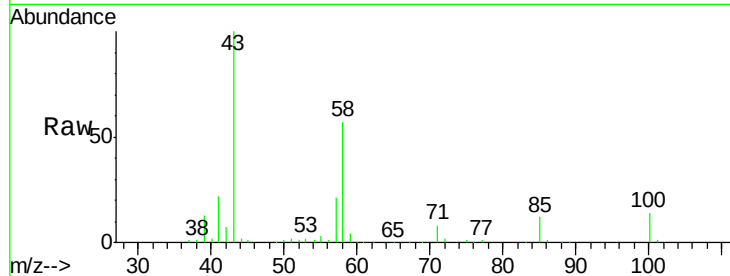
VSTDCCC050

Tot Ion: 43 Resp: 58343

Ion Ratio Lower Upper

43 100

58 53.5 27.1 81.2



#60

Dibromochloromethane

Concen: 44.387 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008062.D

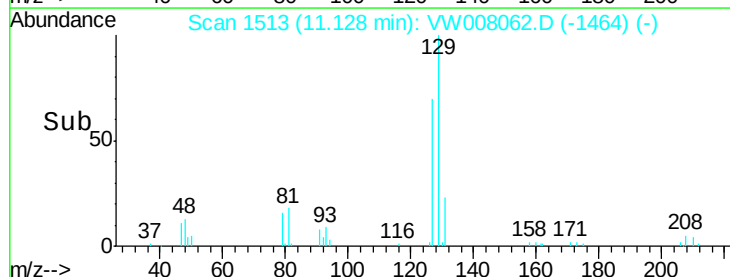
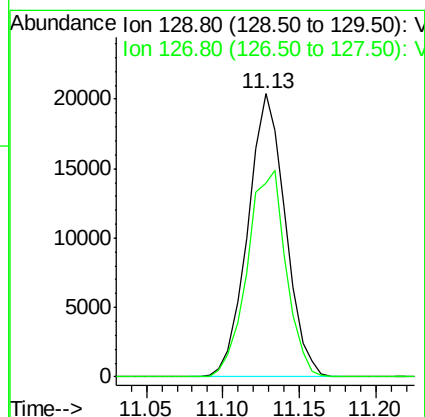
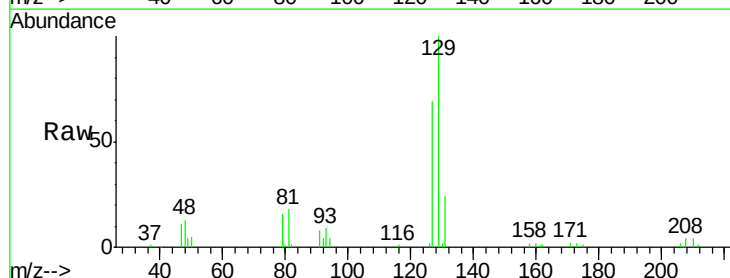
Acq: 07 Jan 2019 11:39

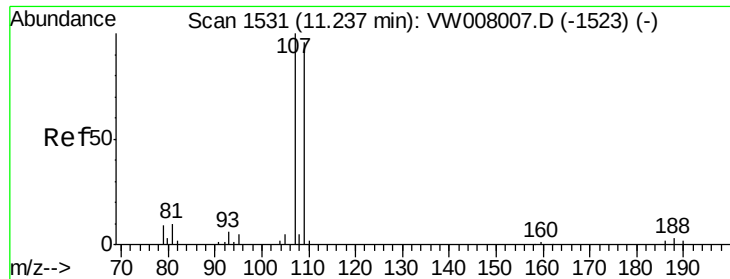
Tgt Ion: 129 Resp: 34772

Ion Ratio Lower Upper

129 100

127 75.2 38.6 116.0

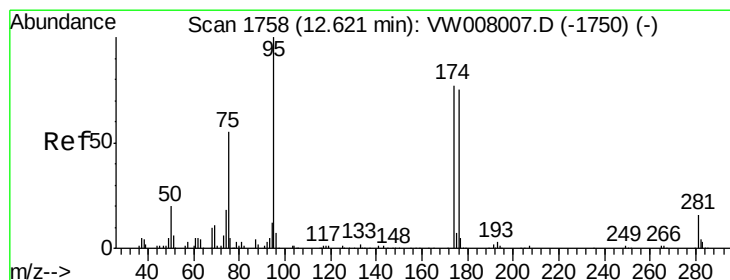
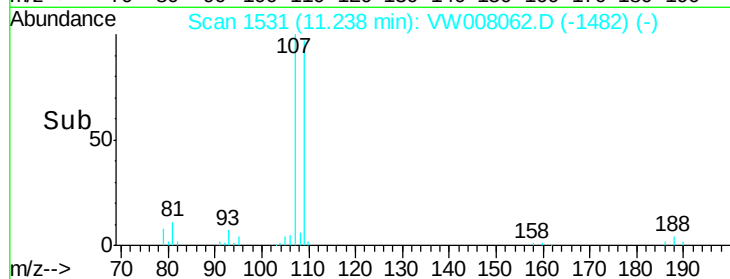
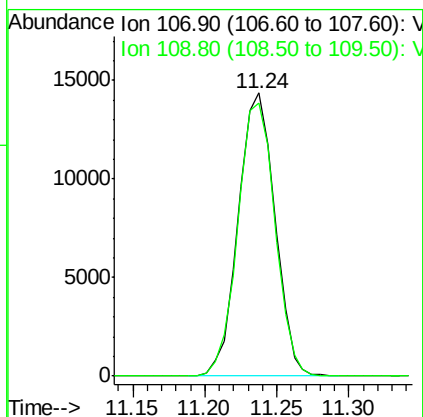
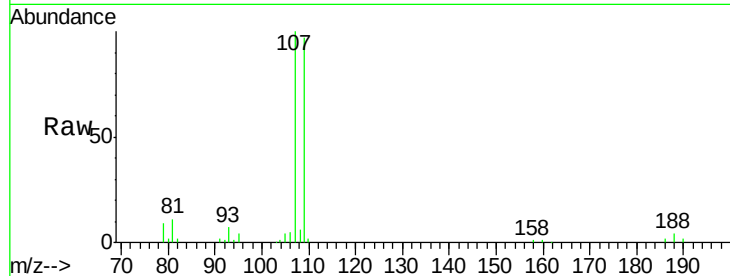




#61
 1,2-Dibromoethane
 Concen: 44.315 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

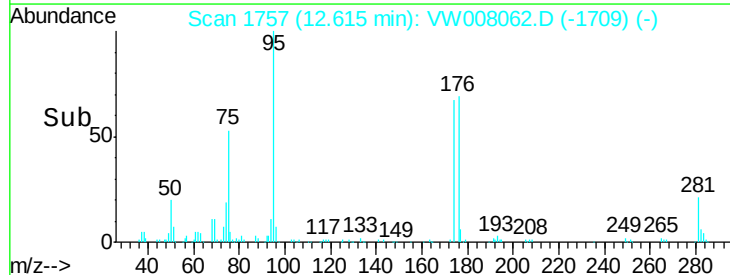
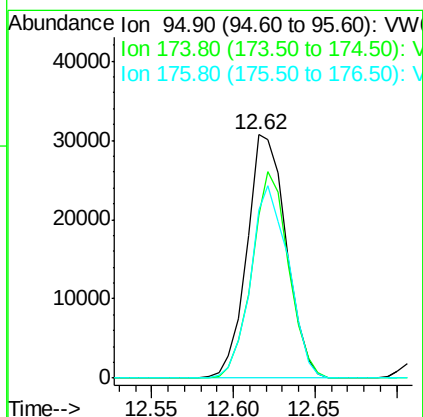
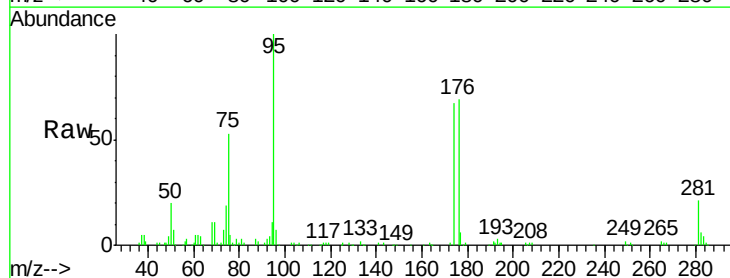
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

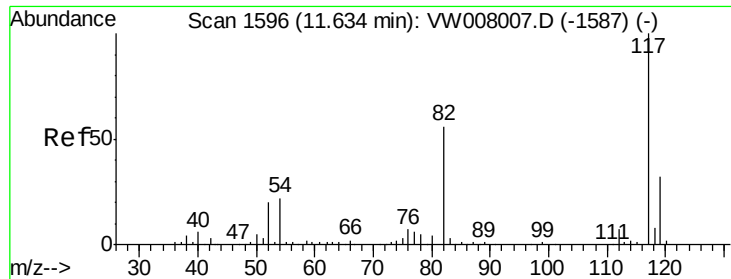
Tot Ion:107 Resp: 25380
 Ion Ratio Lower Upper
 107 100
 109 98.2 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 44.243 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 95 Resp: 51499
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 149.6
 176 76.0 0.0 145.4

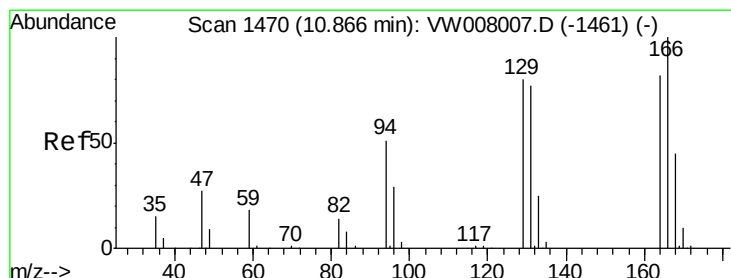
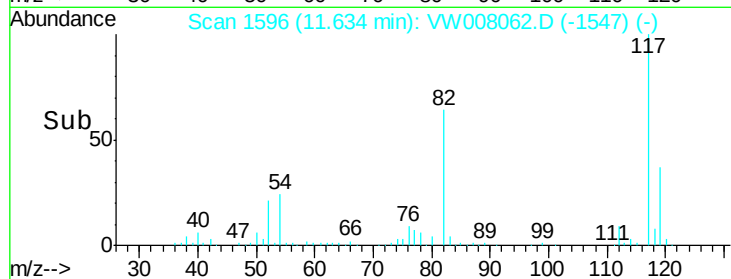
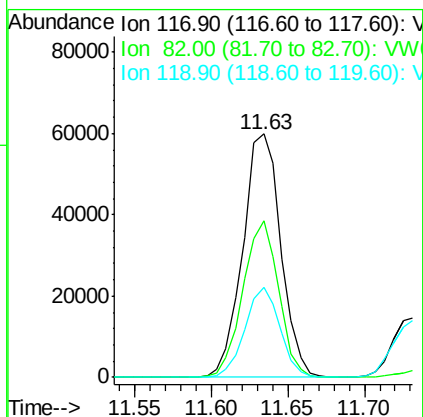
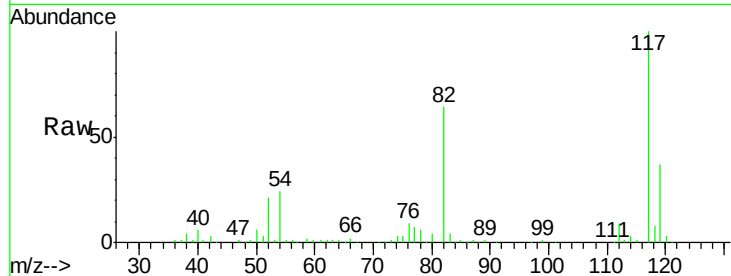




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

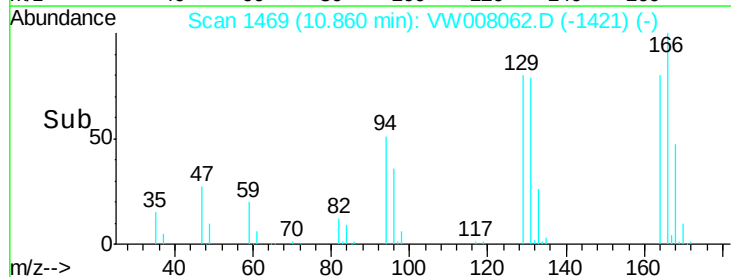
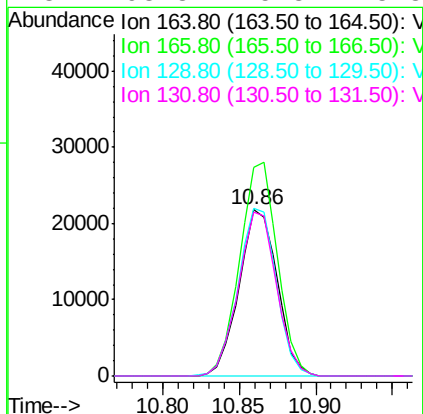
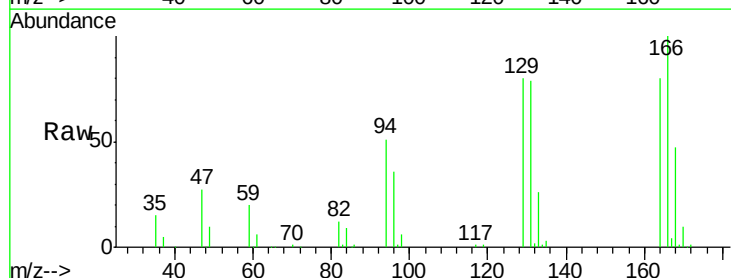
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

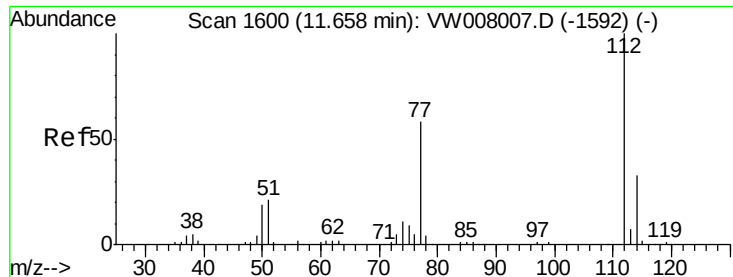
Tot Ion:117 Resp: 103498
Ion Ratio Lower Upper
117 100
82 64.3 44.8 67.2
119 36.9 25.6 38.4



#64
Tetrachloroethene
Concen: 52.908 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:164 Resp: 37825
Ion Ratio Lower Upper
164 100
166 125.6 98.1 147.1
129 100.8 78.0 117.0
131 98.8 75.8 113.8

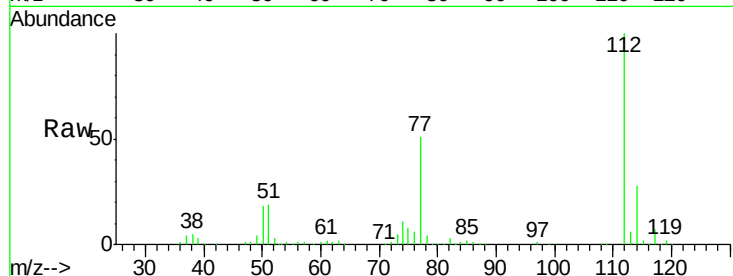




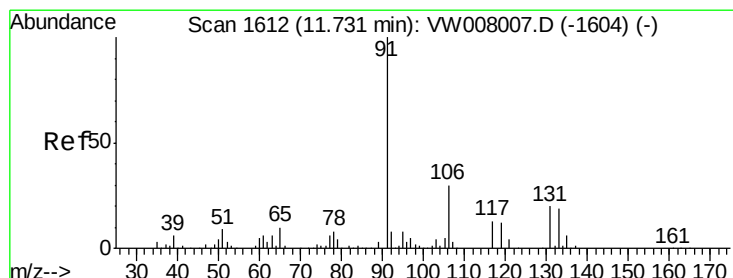
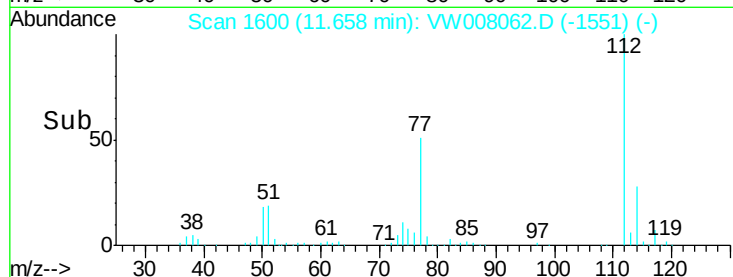
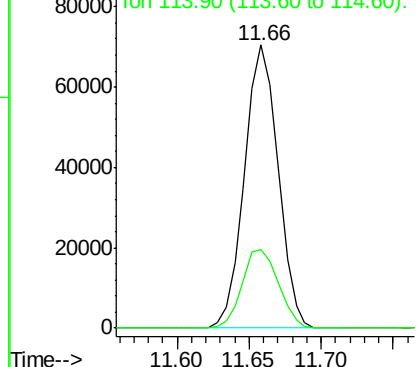
#65
Chlorobenzene
Concen: 51.515 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 113949
Ion Ratio Lower Upper
112 100
114 27.6 26.0 39.0

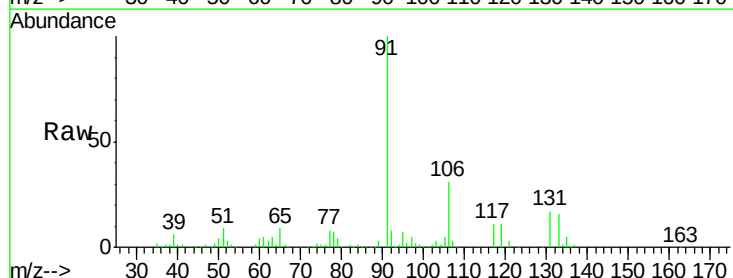


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

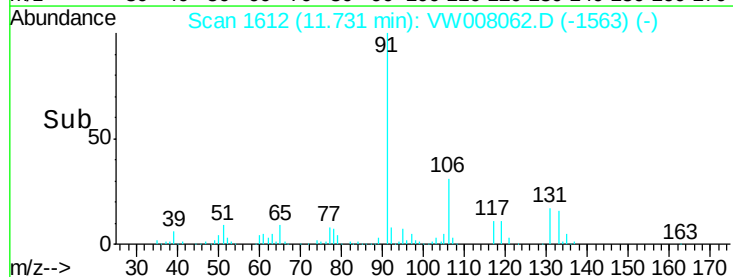
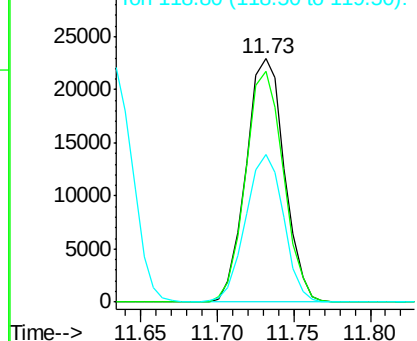


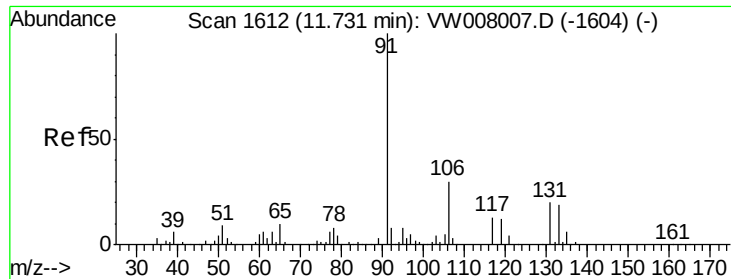
#66
1,1,1,2-Tetrachloroethane
Concen: 50.017 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:131 Resp: 40065
Ion Ratio Lower Upper
131 100
133 93.7 49.1 147.3
119 60.0 30.6 91.6



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

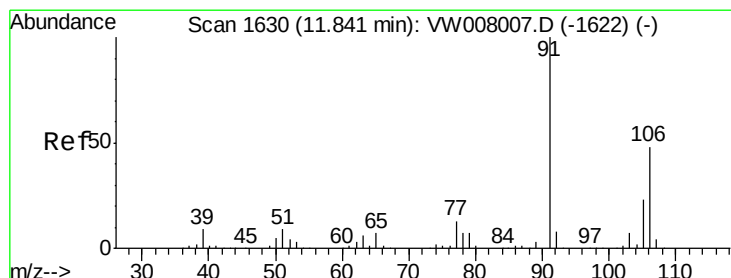
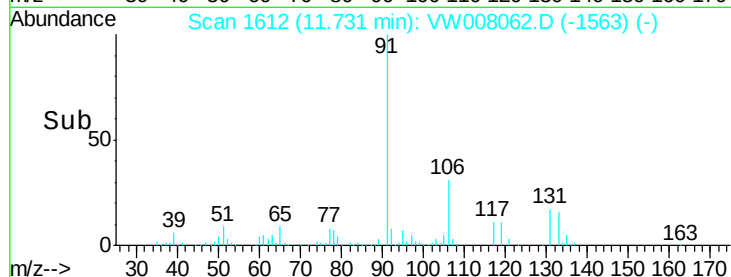
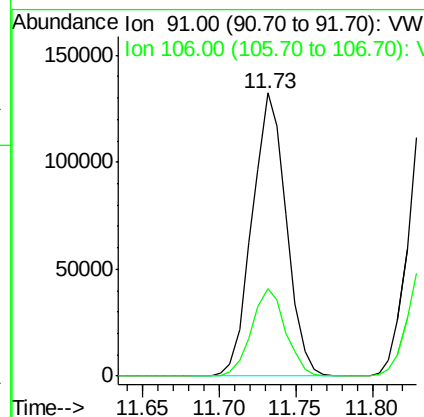
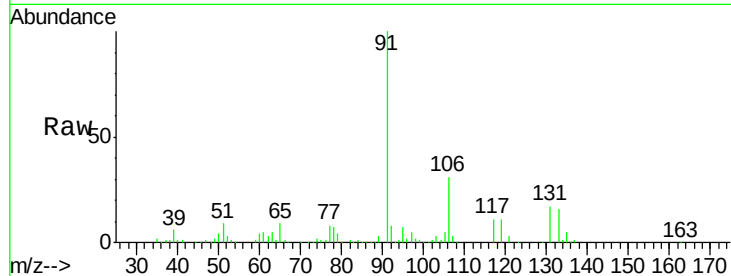




#67
Ethyl Benzene
Concen: 52.364 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

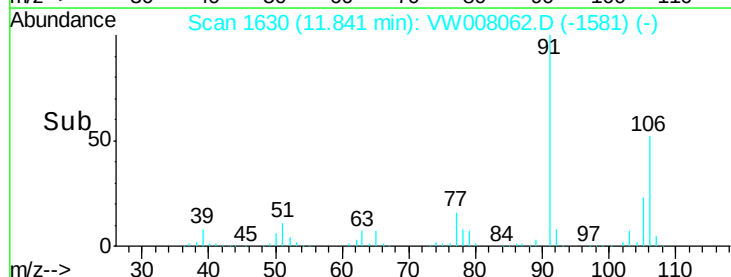
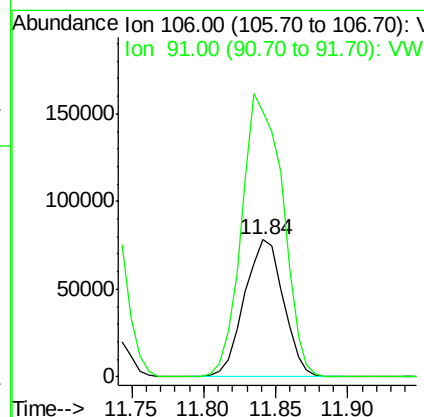
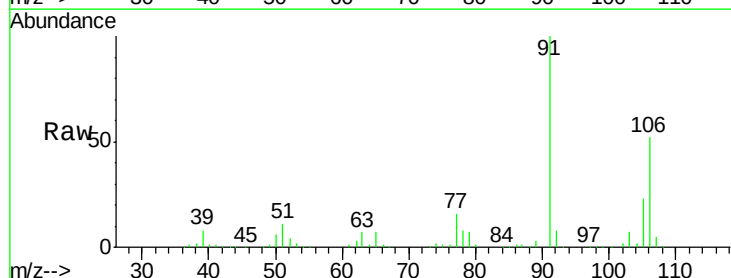
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

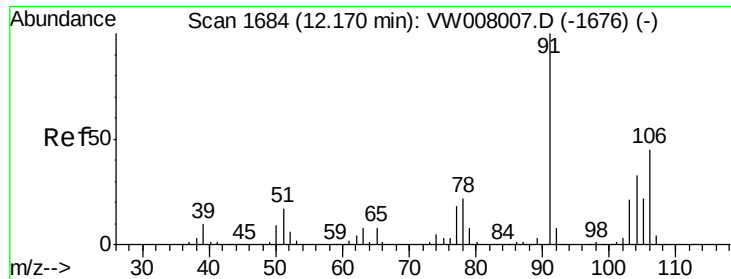
Tot Ion: 91 Resp: 205591
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5



#68
m/p-Xylenes
Concen: 97.102 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 106 Resp: 147390
Ion Ratio Lower Upper
106 100
91 215.7 165.8 248.8

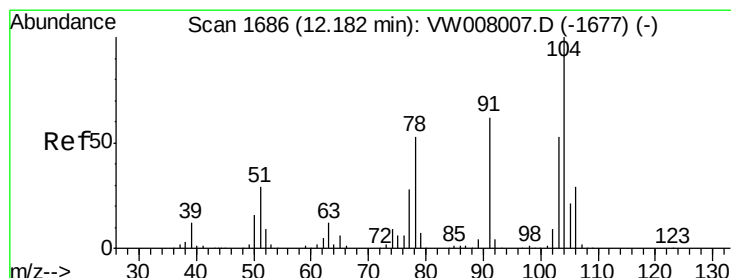
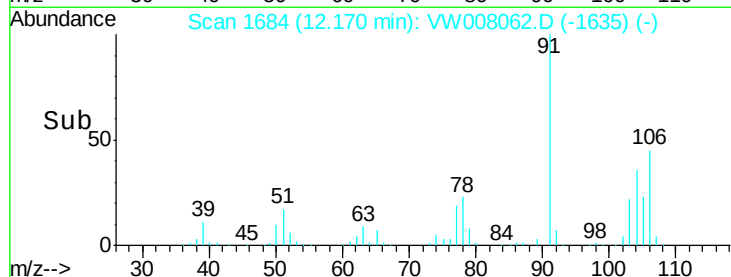
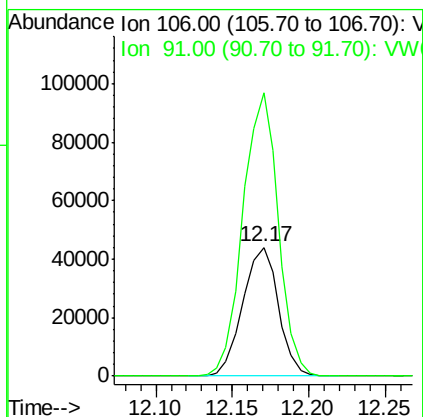
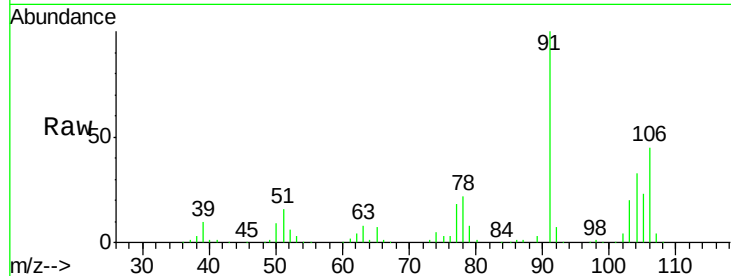




#69
o-Xylene
Concen: 50.462 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

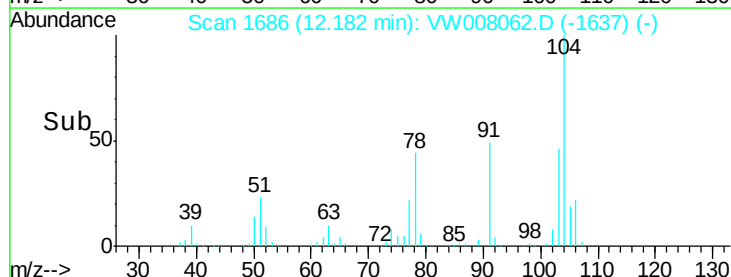
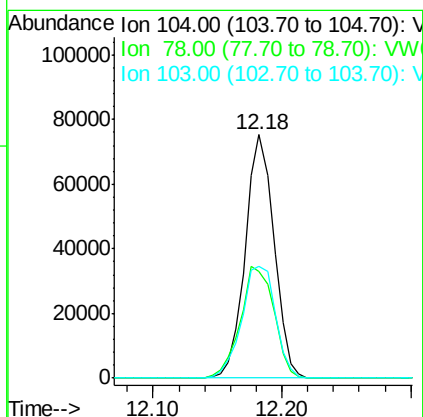
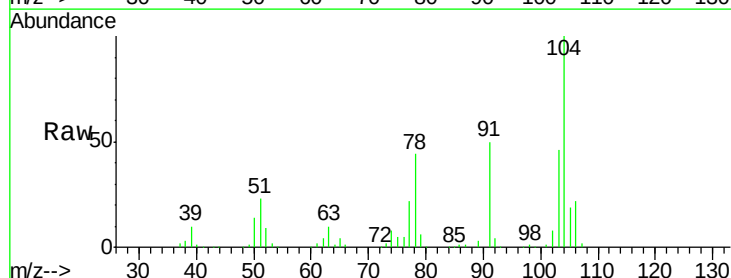
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

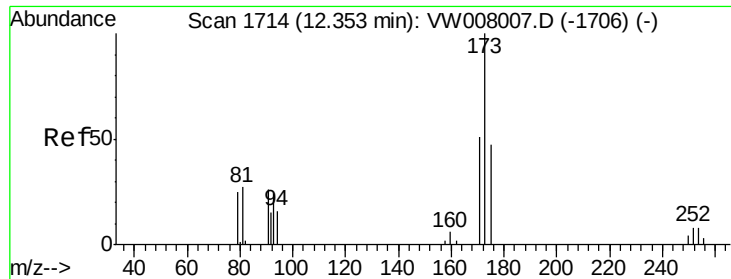
Tot Ion:106 Resp: 71272
Ion Ratio Lower Upper
106 100
91 217.2 110.6 331.6



#70
Styrene
Concen: 50.405 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:104 Resp: 116036
Ion Ratio Lower Upper
104 100
78 53.8 44.0 66.0
103 54.0 44.6 66.8





#71

Bromoform

Concen: 46.409 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

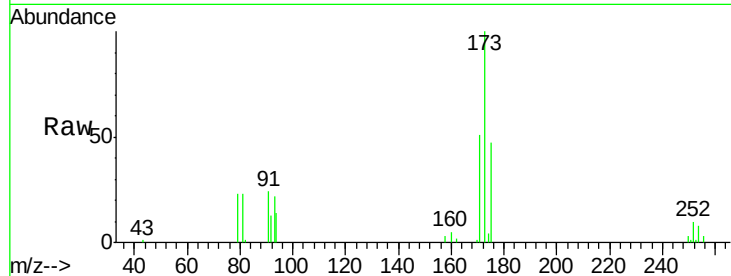
Tot Ion:173 Resp: 17223

Ion Ratio Lower Upper

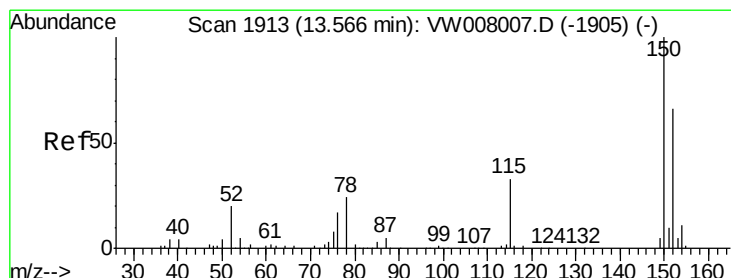
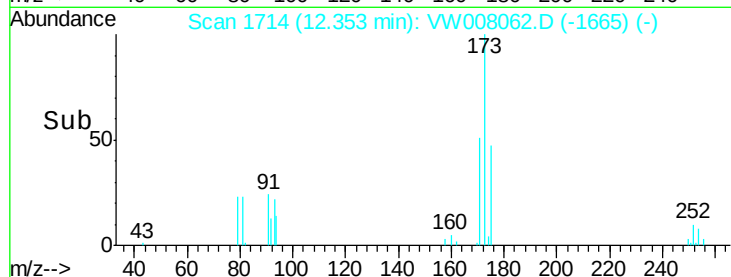
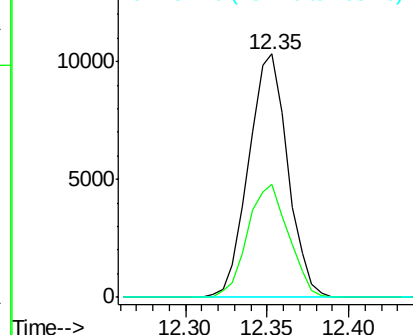
173 100

175 48.5 23.6 71.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

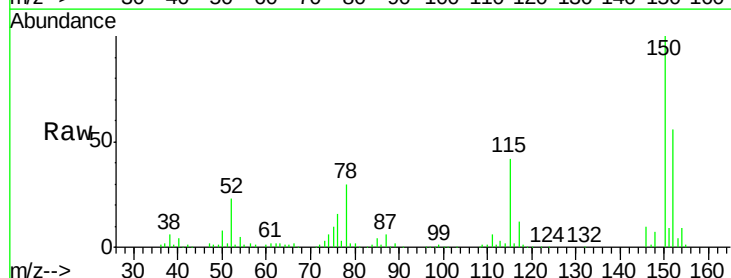
Tgt Ion:152 Resp: 49150

Ion Ratio Lower Upper

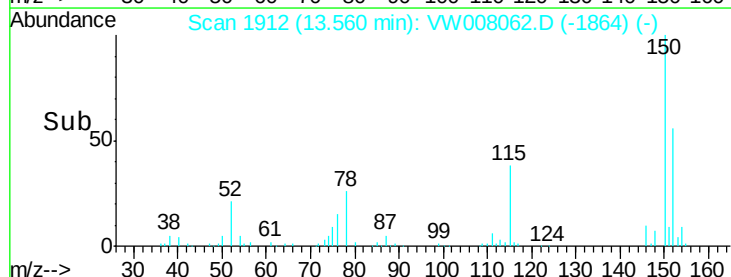
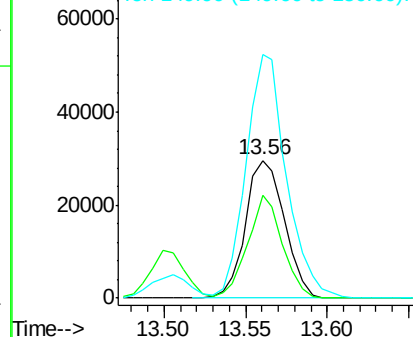
152 100

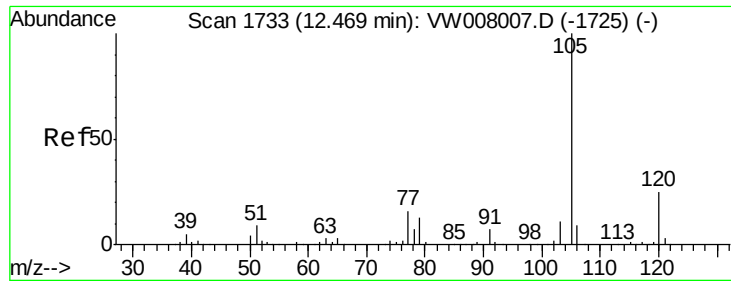
115 66.8 32.1 96.5

150 182.9 0.0 345.0



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: 53.855 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

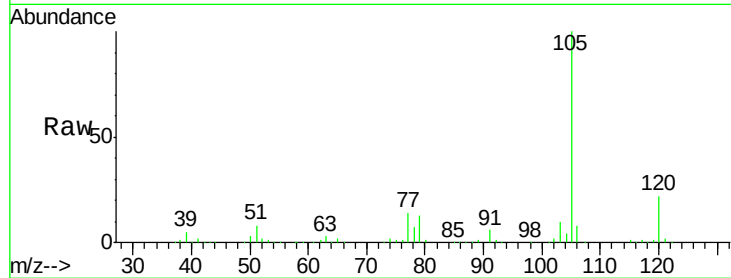
VSTDCCC050

Tot Ion:105 Resp: 210483

Ion Ratio Lower Upper

105 100

120 24.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

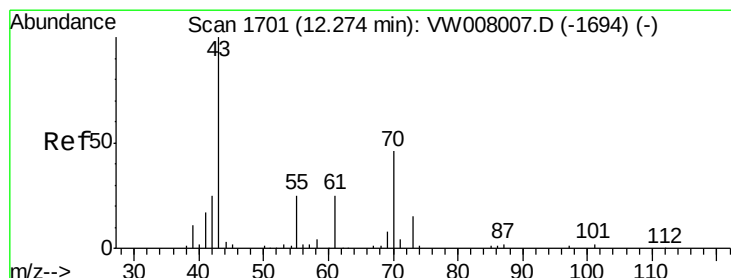
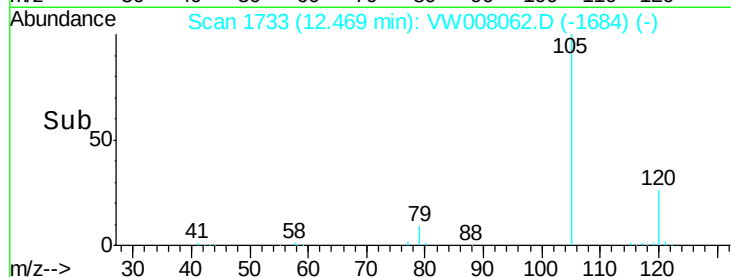
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 51.112 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Tgt Ion: 43 Resp: 31095

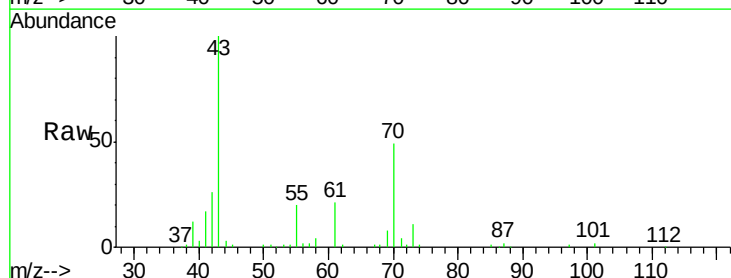
Ion Ratio Lower Upper

43 100

70 45.8 35.2 52.8

55 22.0 21.4 32.0

61 21.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

25000

20000

15000

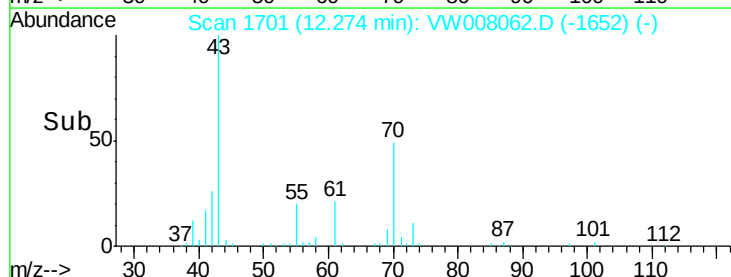
10000

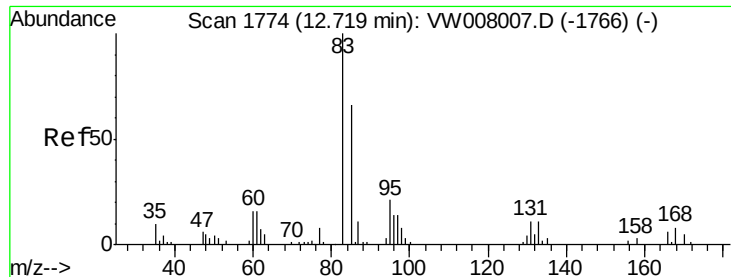
5000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.246 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

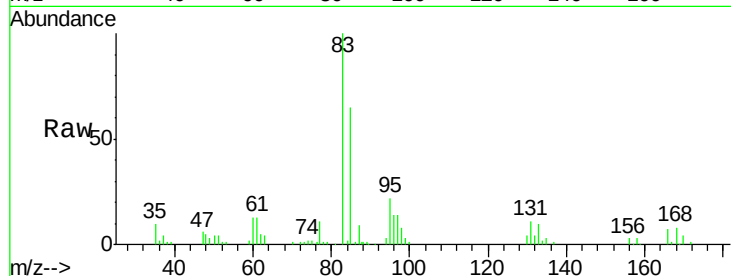
Tot Ion: 83 Resp: 25484

Ion Ratio Lower Upper

83 100

131 12.6 6.5 19.5

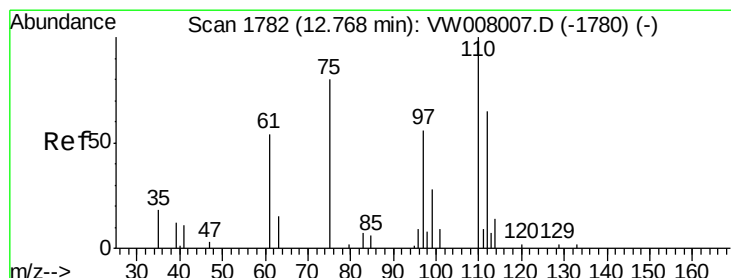
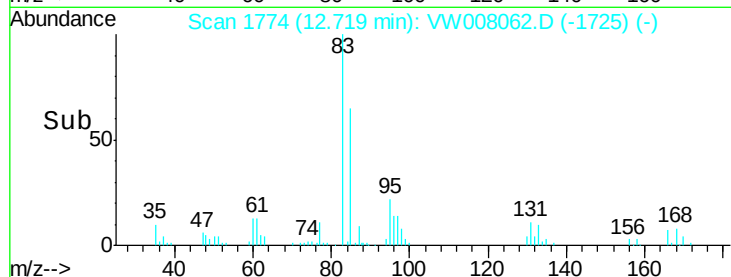
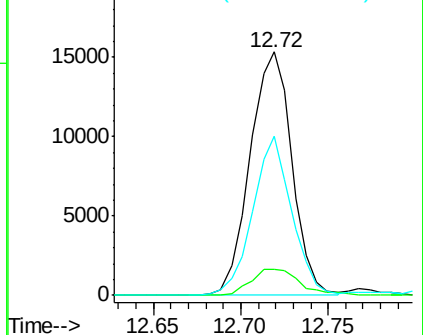
85 60.9 32.8 98.3



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: 96.278 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008062.D

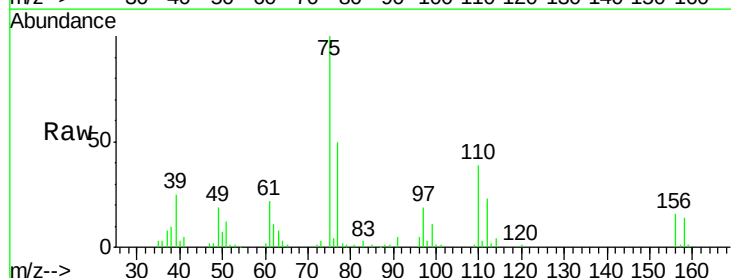
Acq: 07 Jan 2019 11:39

Tgt Ion: 75 Resp: 37646

Ion Ratio Lower Upper

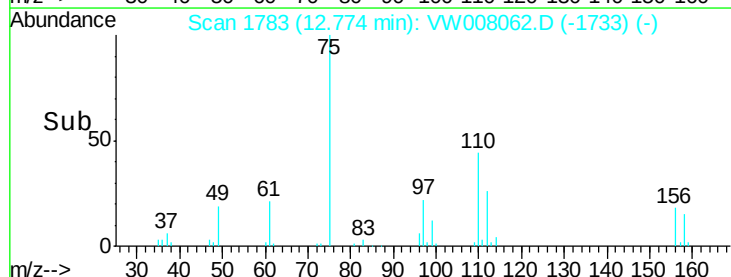
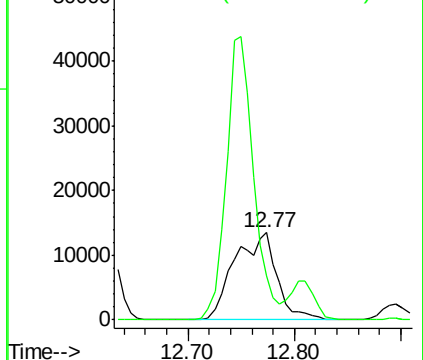
75 100

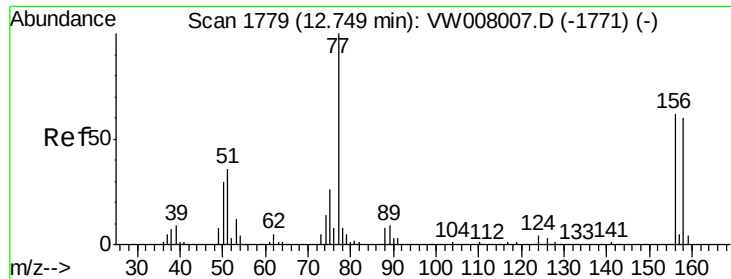
77 0.0 186.2 558.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.290 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

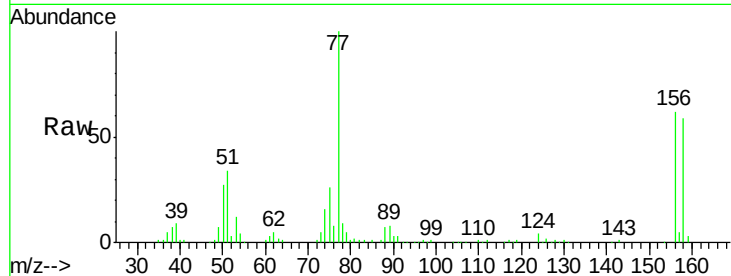
Tot Ion:156 Resp: 43086

Ion Ratio Lower Upper

156 100

77 182.2 87.9 263.8

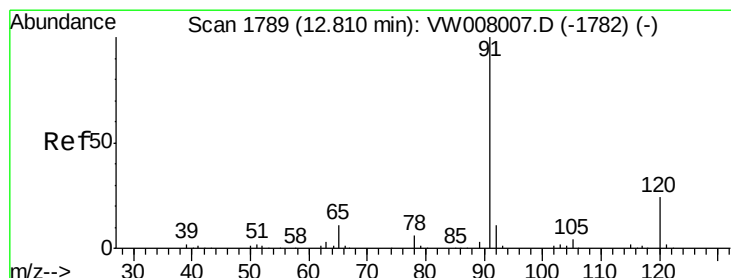
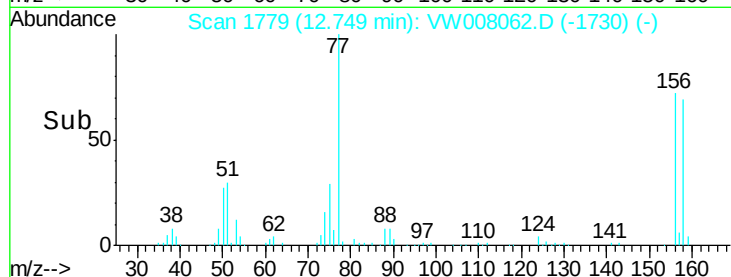
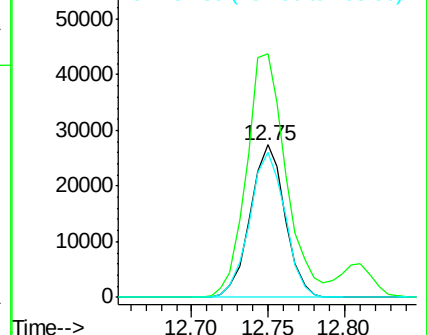
158 97.1 47.8 143.4



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: 50.368 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008062.D

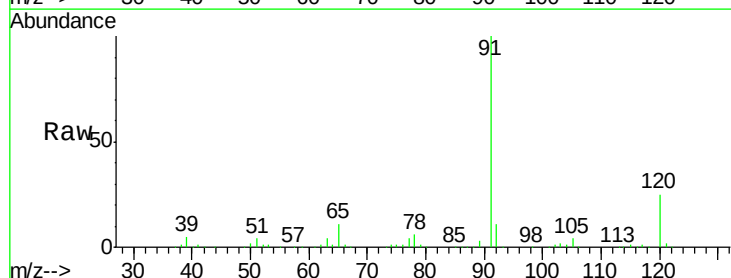
Acq: 07 Jan 2019 11:39

Tgt Ion: 91 Resp: 228235

Ion Ratio Lower Upper

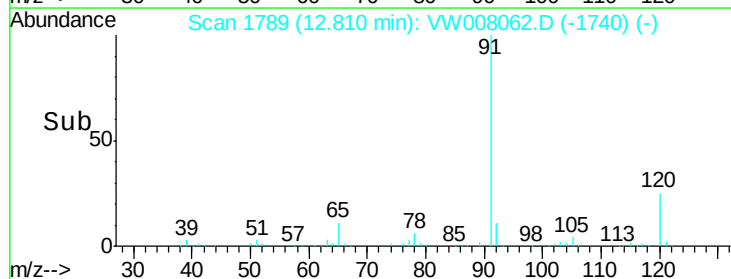
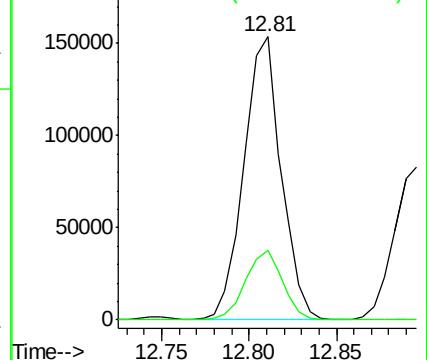
91 100

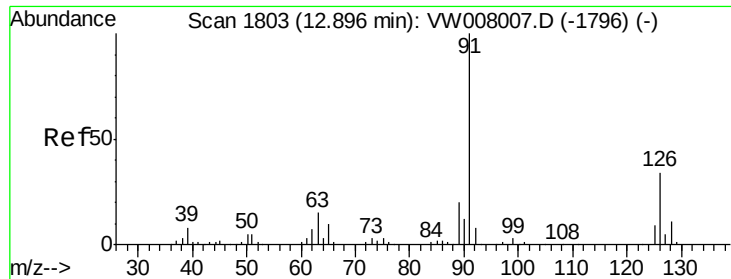
120 24.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

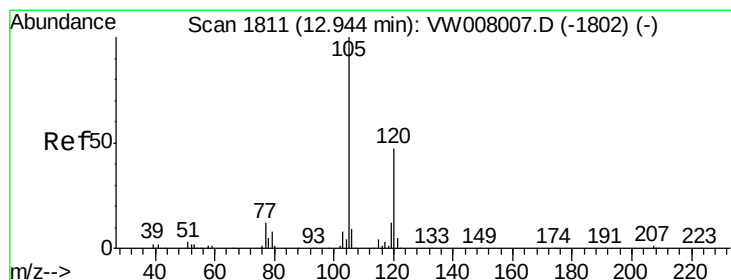
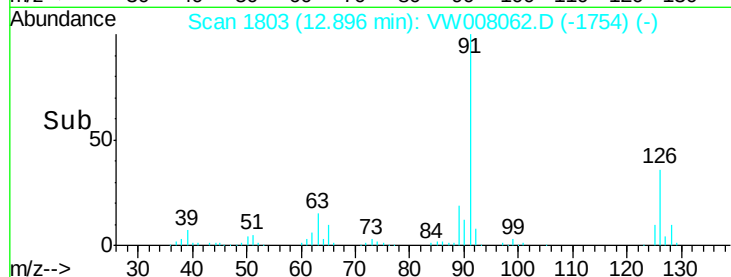
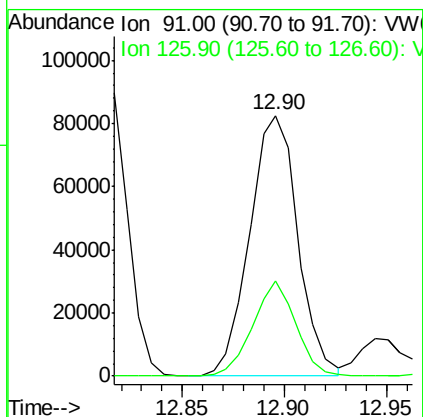
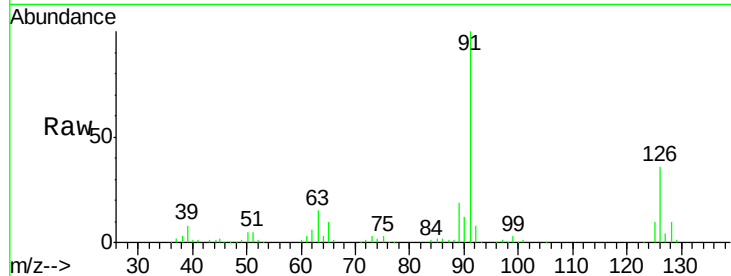




#79
2-Chlorotoluene
Concen: 51.605 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

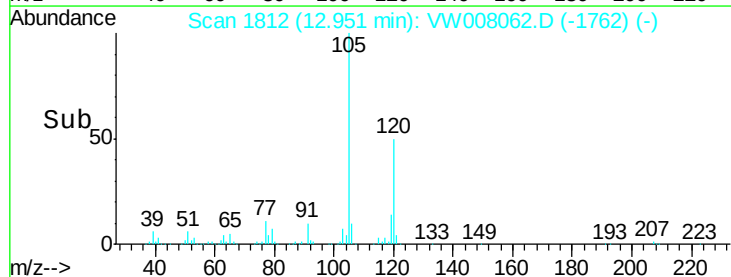
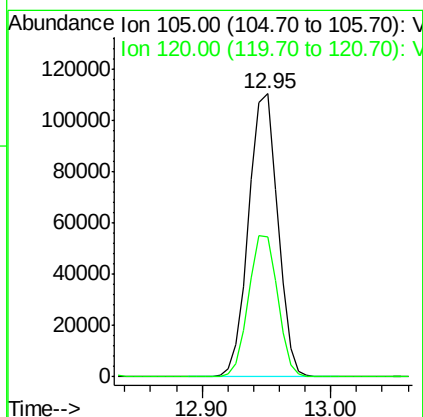
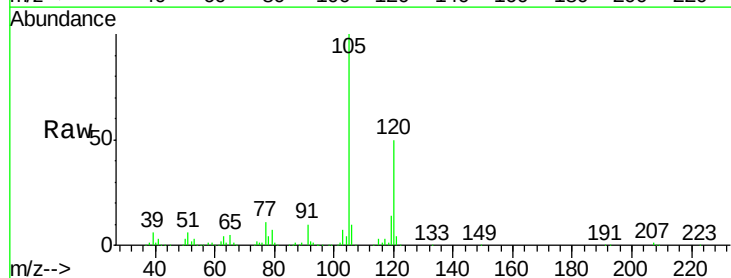
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

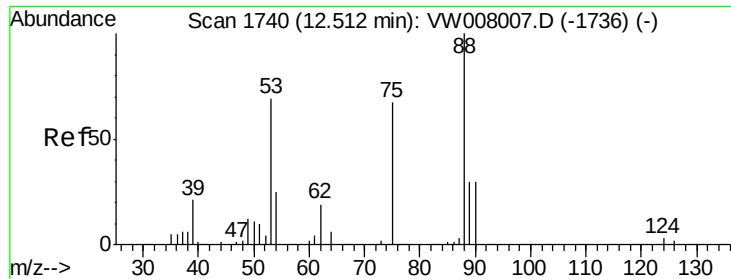
Tot Ion: 91 Resp: 135148
Ion Ratio Lower Upper
91 100
126 32.7 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 51.161 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:105 Resp: 172113
Ion Ratio Lower Upper
105 100
120 49.7 23.3 69.9

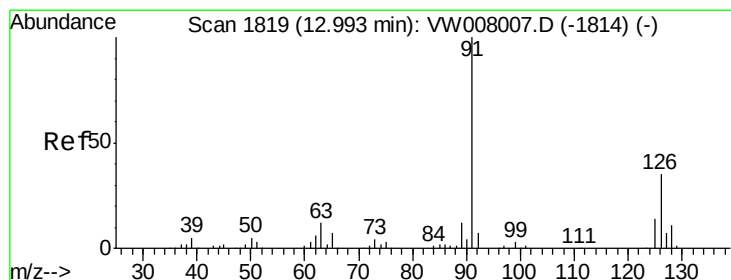
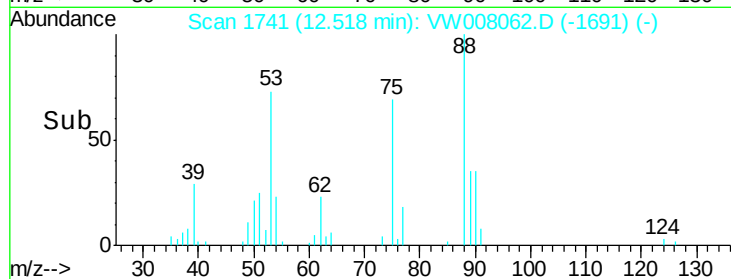
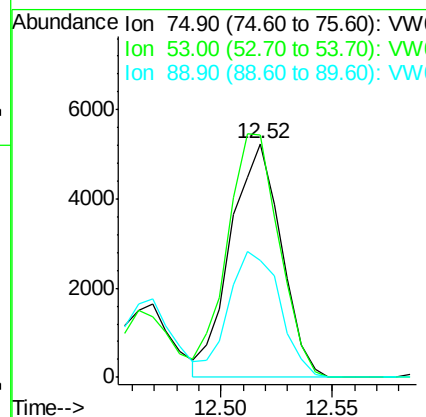
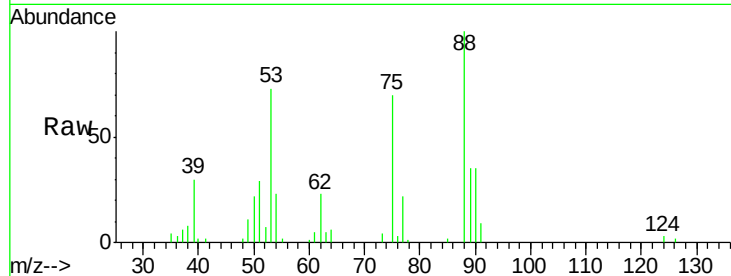




#81
trans-1,4-Dichloro-2-butene
Concen: 50.023 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

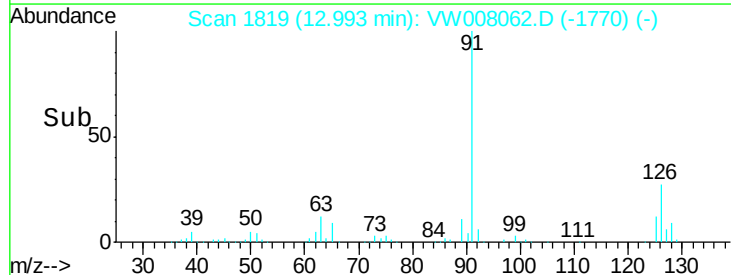
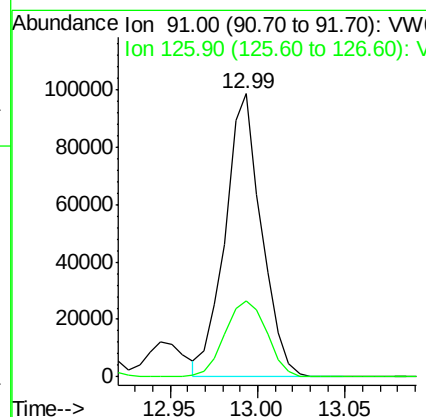
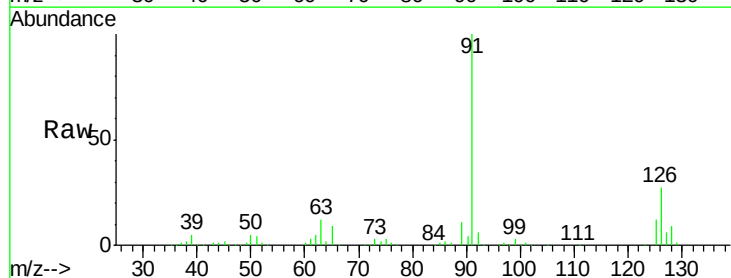
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

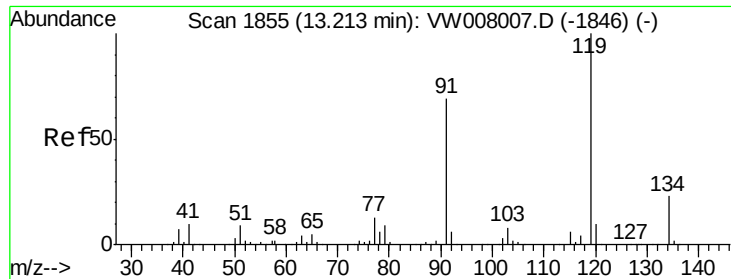
Tot Ion: 75 Resp: 8271
Ion Ratio Lower Upper
75 100
53 107.2 87.6 131.4
89 55.1 42.2 63.2



#82
4-Chlorotoluene
Concen: 51.157 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 91 Resp: 142461
Ion Ratio Lower Upper
91 100
126 30.9 16.7 50.1

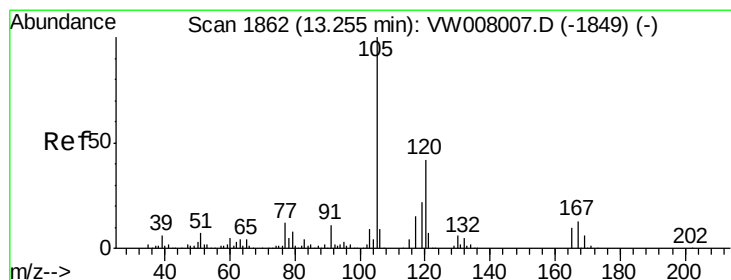
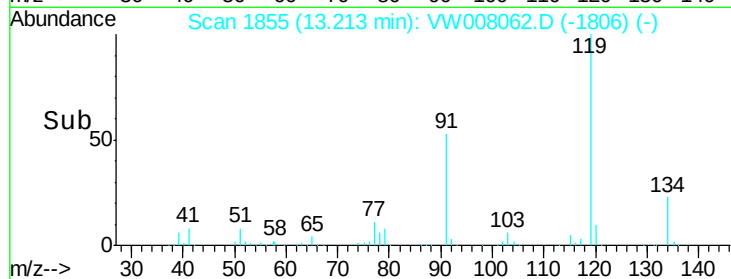
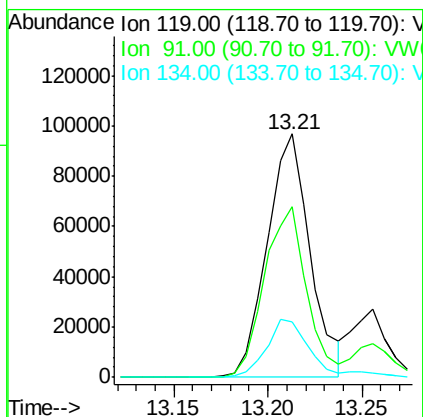
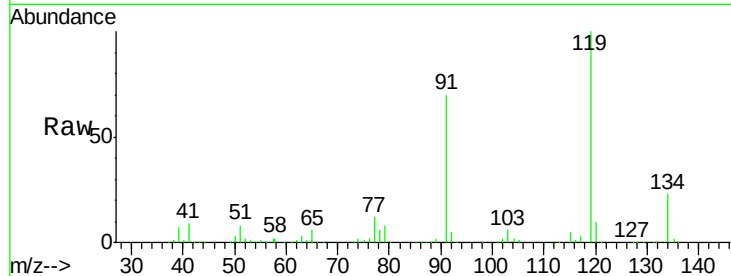




#83
 tert-Butylbenzene
 Concen: 52.192 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

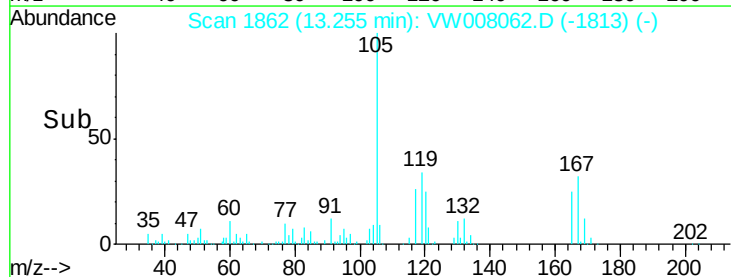
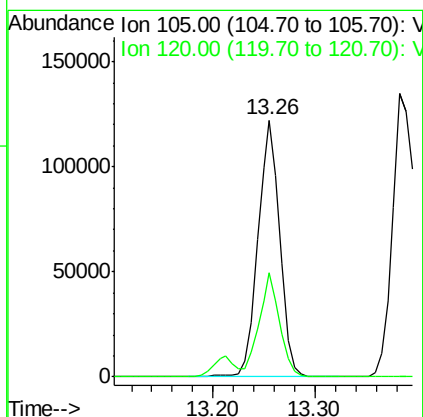
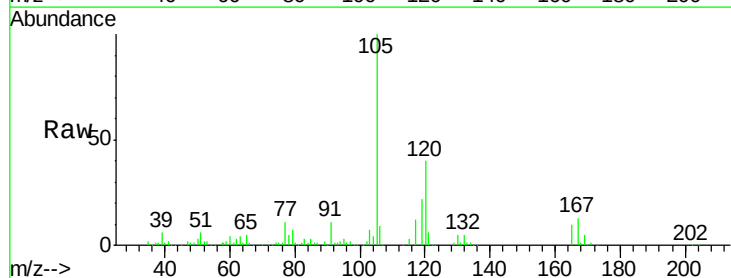
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

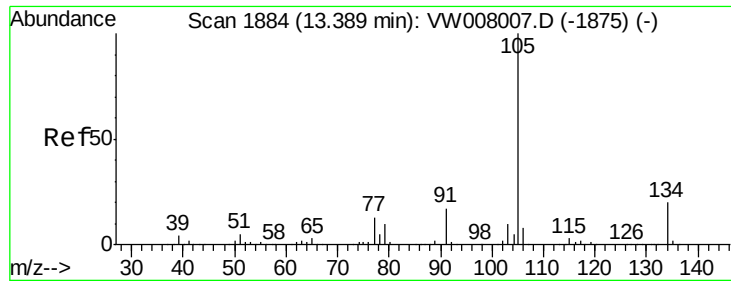
Tot Ion:119 Resp: 153617
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.7 104.1
 134 24.6 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.554 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion:105 Resp: 182487
 Ion Ratio Lower Upper
 105 100
 120 37.9 21.5 64.5





#85

sec-Butylbenzene

Concen: 51.409 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

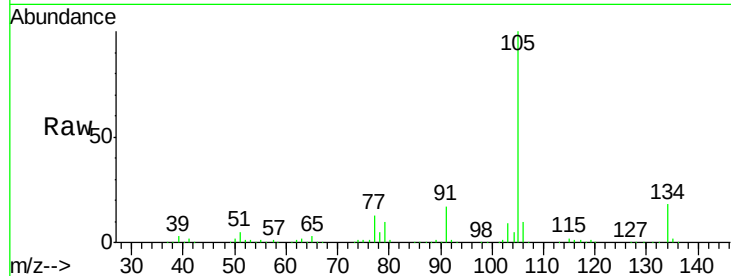
VSTDCCC050

Tot Ion:105 Resp: 208152

Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

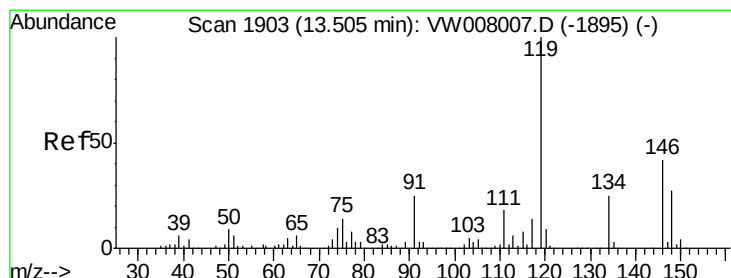
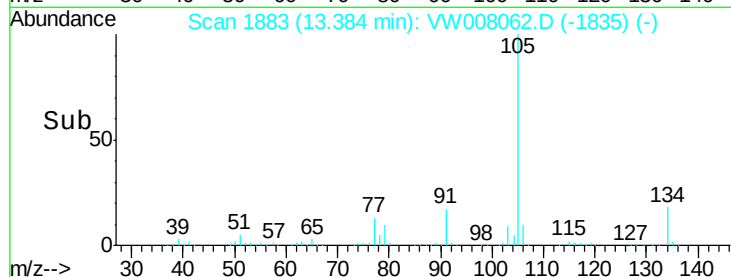
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 50.742 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008062.D

Acq: 07 Jan 2019 11:39

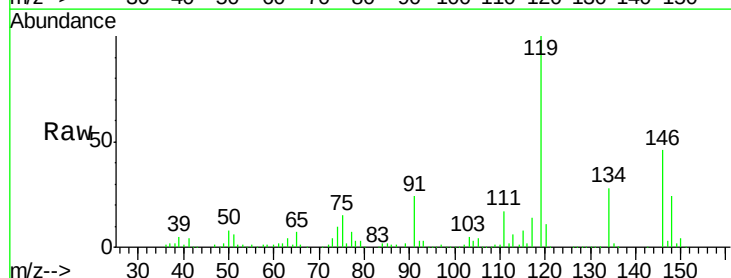
Tgt Ion:119 Resp: 185314

Ion Ratio Lower Upper

119 100

134 25.7 12.5 37.5

91 26.5 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV

13.51

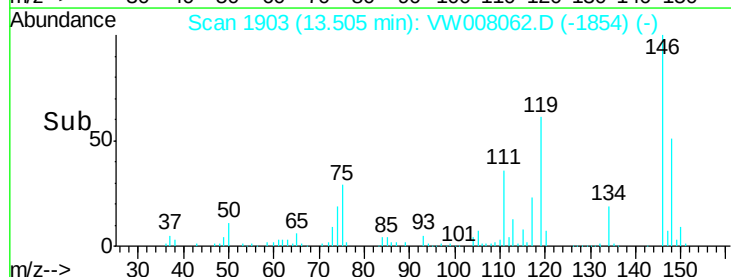
150000

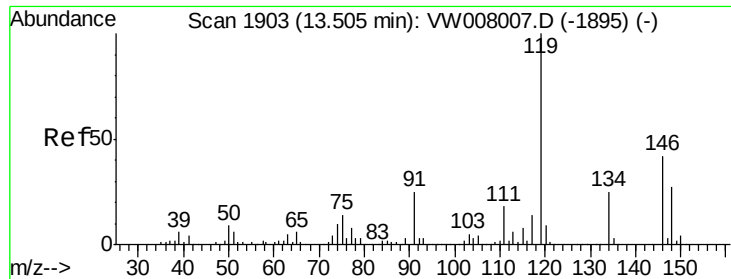
100000

50000

0

Time--> 13.45 13.50 13.55

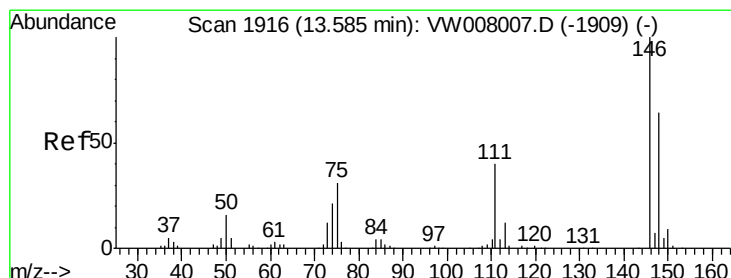
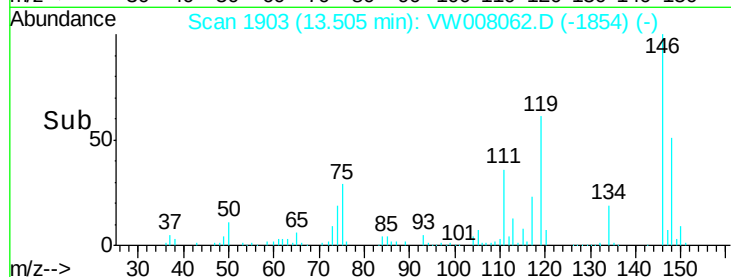
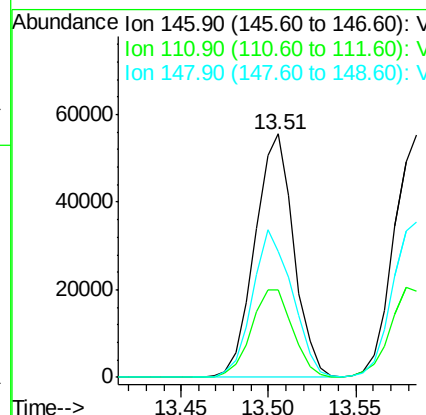
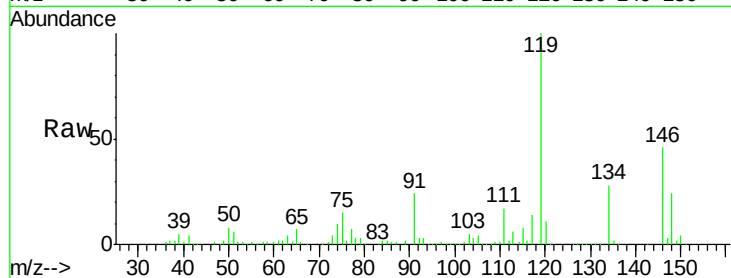




#87
 1,3-Dichlorobenzene
 Concen: 51.008 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

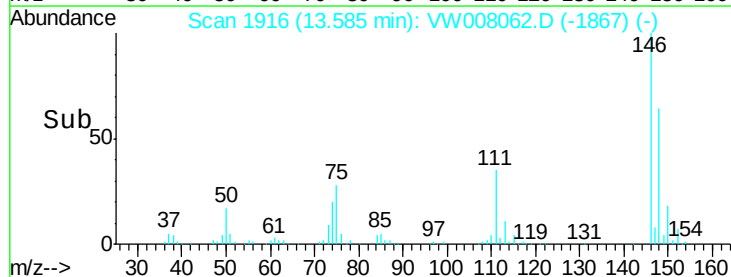
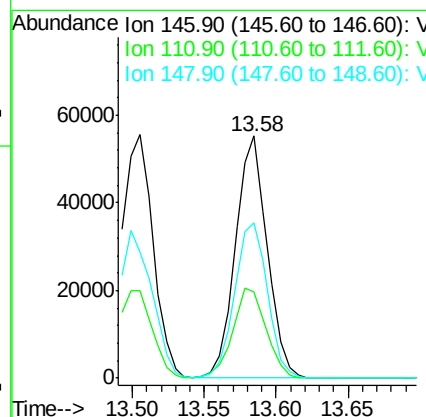
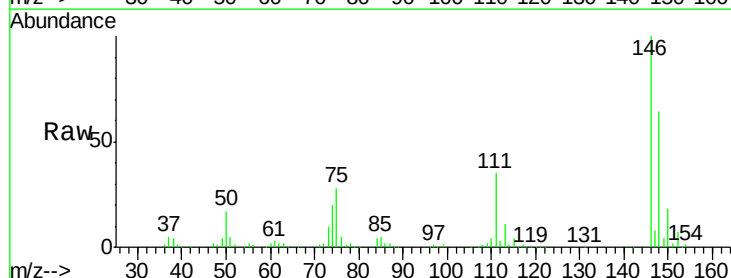
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

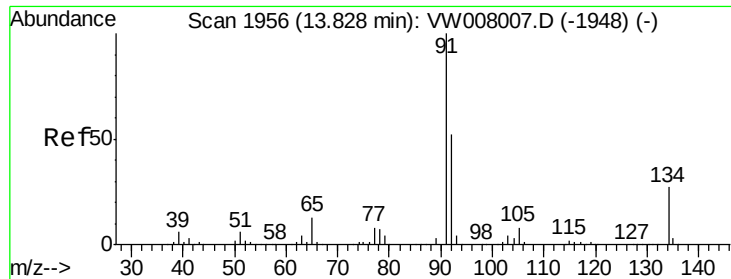
Tot Ion:146 Resp: 86456
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.4 64.2
 148 62.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 50.578 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion:146 Resp: 84872
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.9 62.8
 148 66.5 31.9 95.9

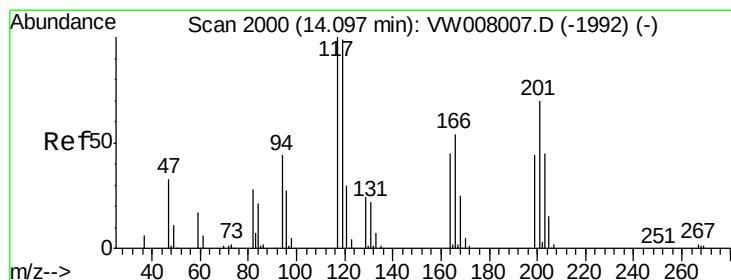
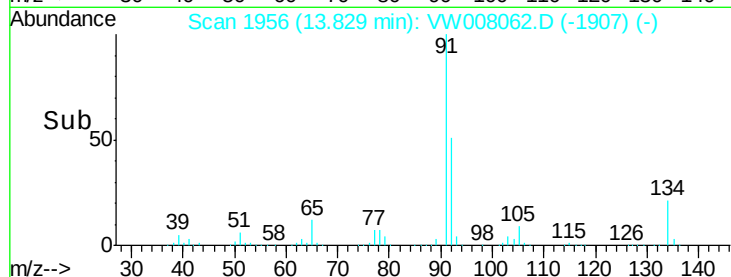
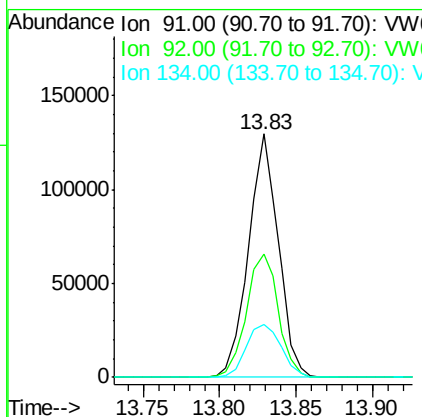
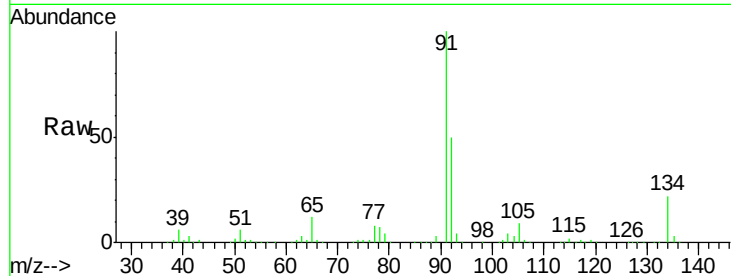




#89
n-Butylbenzene
Concen: 52.668 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

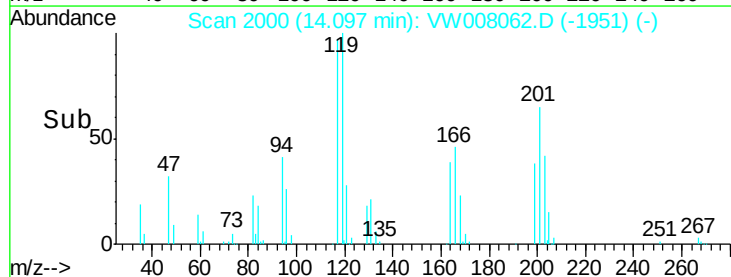
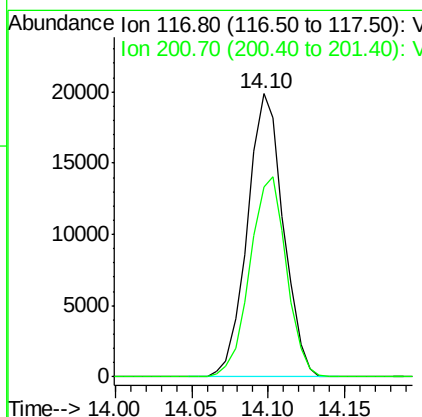
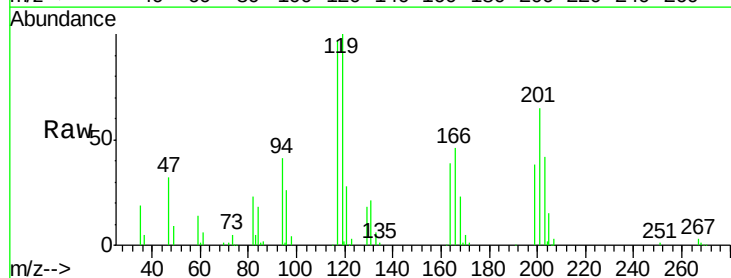
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

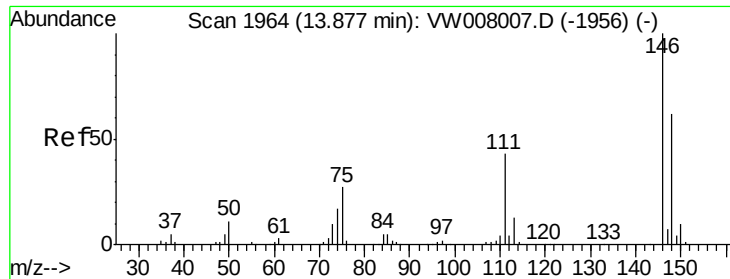
Tot Ion: 91 Resp: 175938
Ion Ratio Lower Upper
91 100
92 53.9 26.4 79.2
134 25.4 13.4 40.2



#90
Hexachloroethane
Concen: 51.268 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion: 117 Resp: 32489
Ion Ratio Lower Upper
117 100
201 71.7 37.1 111.5

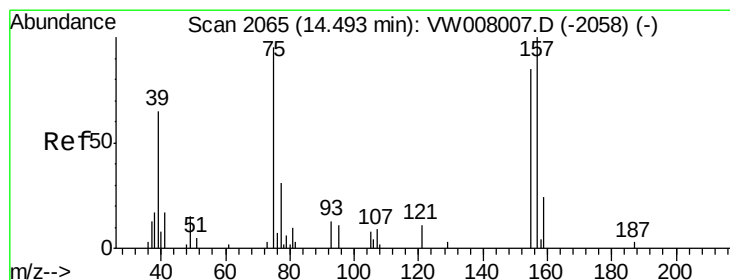
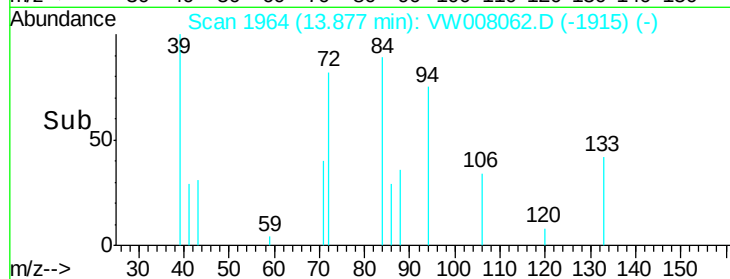
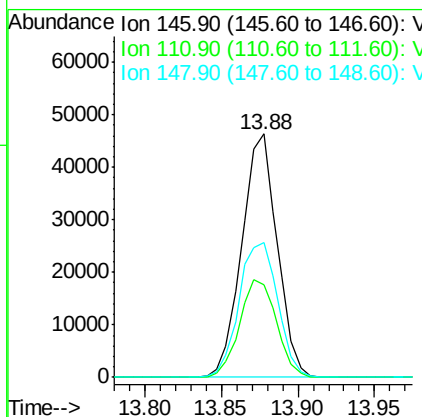
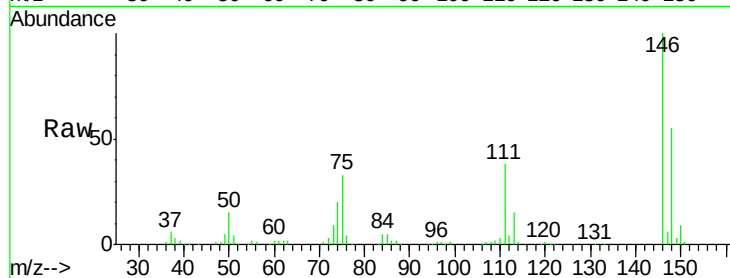




#91
 1,2-Dichlorobenzene
 Concen: 49.931 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

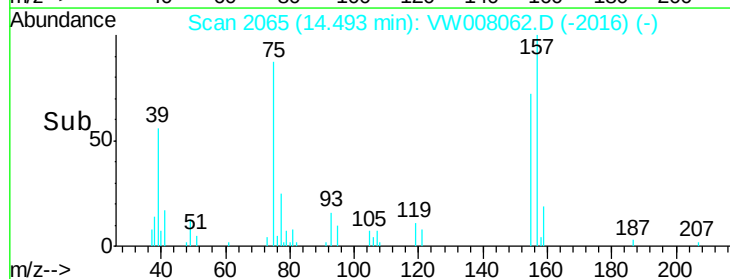
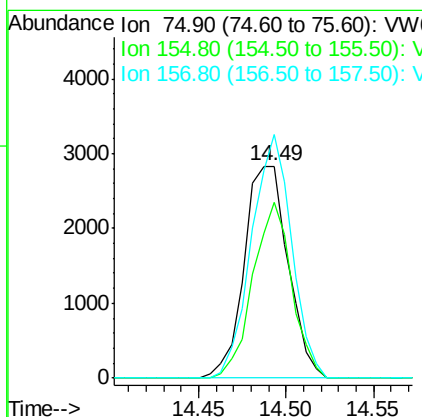
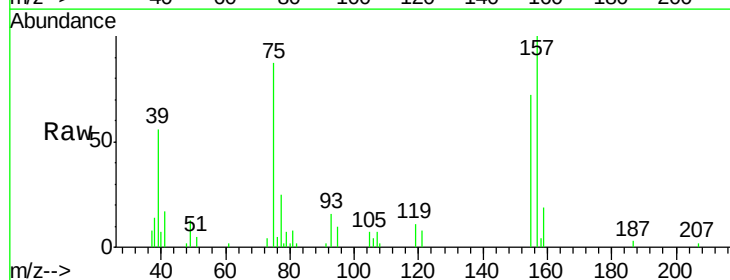
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

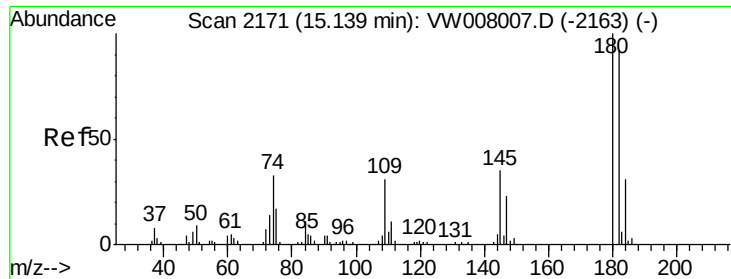
Tot Ion:146 Resp: 74370
 Ion Ratio Lower Upper
 146 100
 111 41.9 22.6 67.7
 148 60.7 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.856 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion: 75 Resp: 4931
 Ion Ratio Lower Upper
 75 100
 155 73.5 42.4 127.1
 157 105.2 52.3 156.8

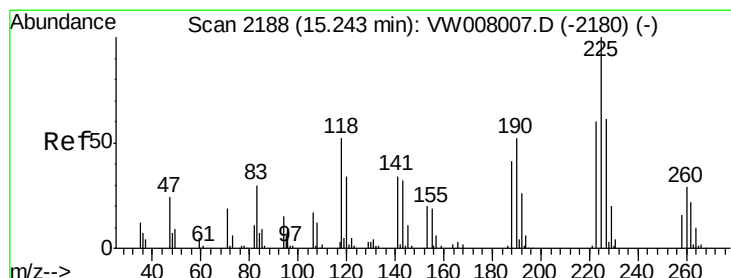
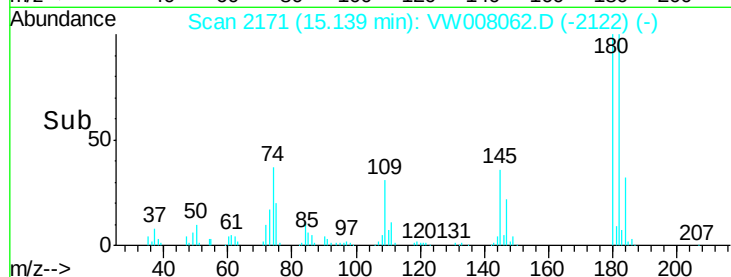
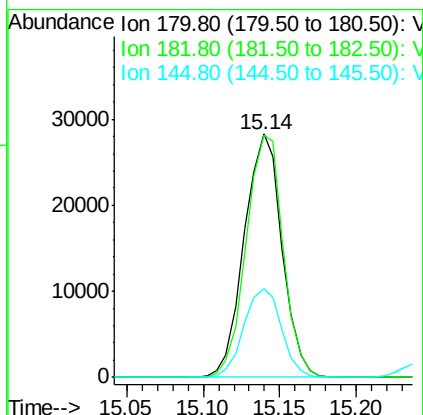
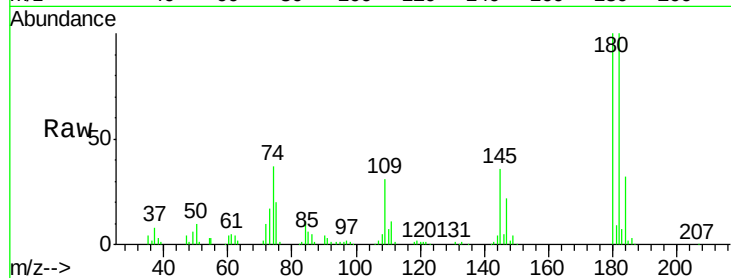




#93
 1,2,4-Trichlorobenzene
 Concen: 46.436 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

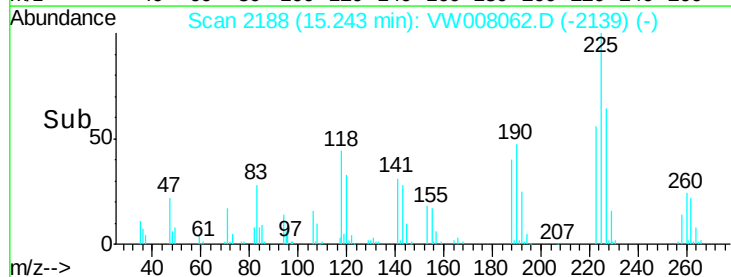
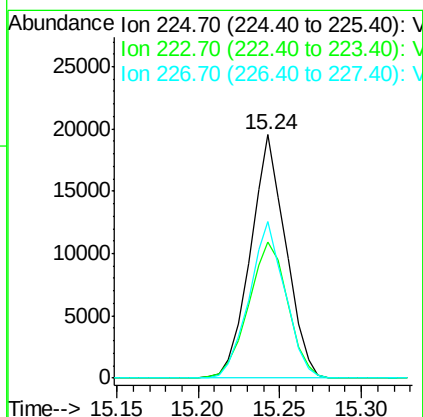
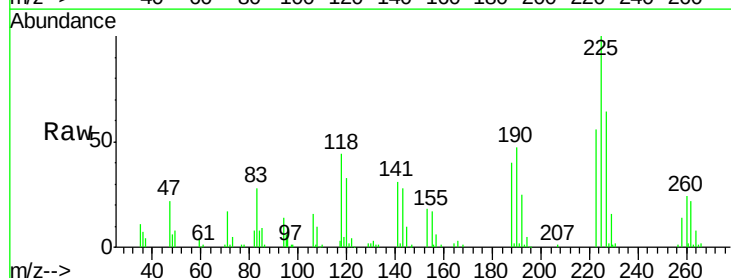
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

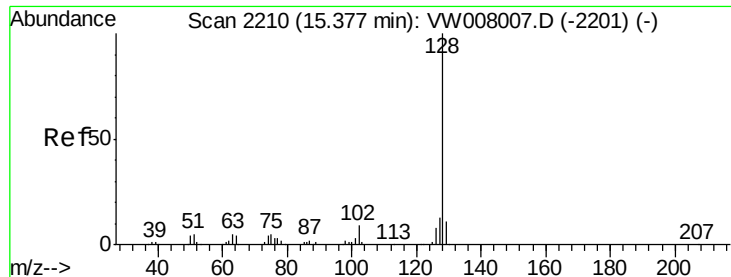
Tot Ion:180 Resp: 48577
 Ion Ratio Lower Upper
 180 100
 182 97.1 46.6 139.8
 145 36.2 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 48.653 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008062.D
 Acq: 07 Jan 2019 11:39

Tgt Ion:225 Resp: 29387
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.6 92.0
 227 65.1 31.3 93.8

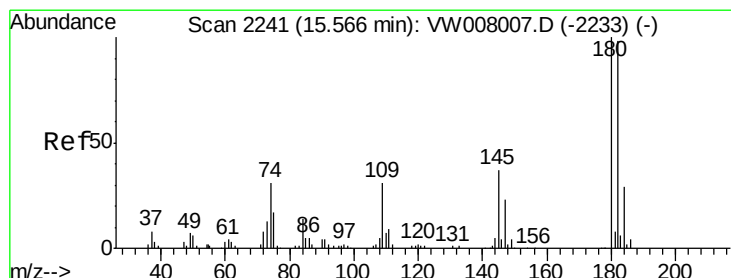
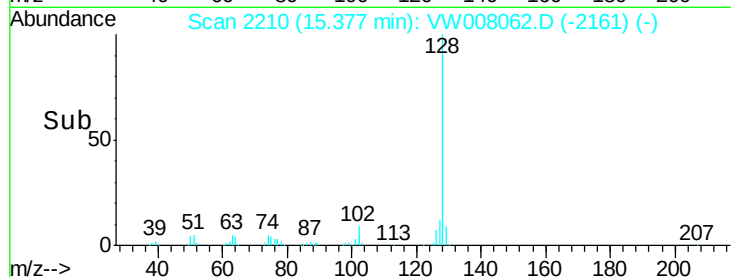
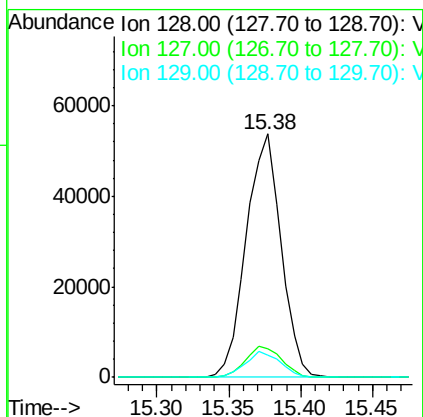
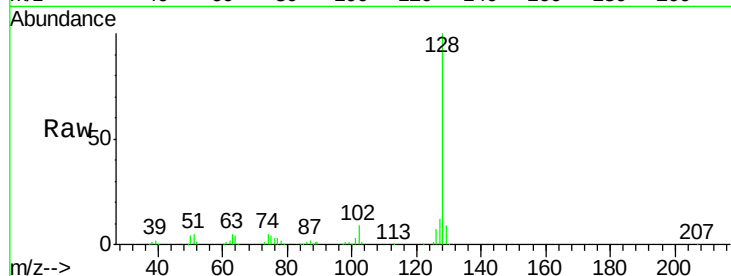




#95
Naphthalene
Concen: 50.454 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 89891
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.408 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008062.D
Acq: 07 Jan 2019 11:39

Tgt Ion:180 Resp: 41668
Ion Ratio Lower Upper
180 100
182 99.3 47.9 143.8
145 35.7 18.7 56.1

