

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
 Data File : VW003262.D
 Acq On : 14 Jun 2018 18:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 15 06:43:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	407474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	204949	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	151227	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.89	113	133392	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.33	98	536810	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.63	95	191671	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	40518	51.133	ug/l	91
3) Chloromethane	2.21	50	95814	47.857	ug/l	98
4) Vinyl Chloride	2.36	62	131215	44.957	ug/l	98
5) Bromomethane	2.78	94	89382	46.076	ug/l	95
6) Chloroethane	2.93	64	90064	44.331	ug/l	100
7) Trichlorofluoromethane	3.26	101	76914	43.988	ug/l	95
8) Diethyl Ether	3.68	74	58891	45.849	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109153	44.956	ug/l	99
10) Methyl Iodide	4.26	142	170305	46.380	ug/l	99
11) Tert butyl alcohol	5.24	59	35634	234.037	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	104357	43.983	ug/l	99
13) Acrolein	3.90	56	79156	363.620	ug/l	98
14) Allyl chloride	4.67	41	187546	45.632	ug/l	99
15) Acrylonitrile	5.38	53	125535	237.545	ug/l	100
16) Acetone	4.15	43	138329	232.320	ug/l	99
17) Carbon Disulfide	4.37	76	313298	44.664	ug/l	100
18) Methyl Acetate	4.68	43	65028	46.037	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	212433	47.803	ug/l	99
20) Methylene Chloride	4.91	84	119735	47.128	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	117856	45.641	ug/l	98
22) Diisopropyl ether	6.32	45	397242	48.025	ug/l	100
23) Vinyl Acetate	6.26	43	1147288	240.692	ug/l	99
24) 1,1-Dichloroethane	6.21	63	227580	46.346	ug/l	97
25) 2-Butanone	7.18	43	177163	239.282	ug/l	96
26) 2,2-Dichloropropane	7.17	77	146551	44.719	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	133114	46.926	ug/l	99
28) Bromochloromethane	7.51	49	111031	54.336	ug/l	100
29) Tetrahydrofuran	7.54	42	106821	236.067	ug/l	100
30) Chloroform	7.68	83	234569	46.888	ug/l	99
31) Cyclohexane	7.96	56	193389	42.155	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	189728	45.946	ug/l	100
36) 1,1-Dichloropropene	8.09	75	178192	45.282	ug/l	100
37) Ethyl Acetate	7.26	43	77735	47.683	ug/l	99
38) Carbon Tetrachloride	8.07	117	177357	45.948	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	207043	45.471	ug/l	99
40) Benzene	8.33	78	504749	46.534	ug/l	99
41) Methacrylonitrile	7.49	41	45905	45.887	ug/l	99
42) 1,2-Dichloroethane	8.40	62	160891	47.343	ug/l	99
43) Isopropyl Acetate	8.43	43	150171	46.391	ug/l	99
44) Trichloroethene	9.10	130	131637	45.799	ug/l	99
45) 1,2-Dichloropropane	9.37	63	130430	47.227	ug/l	99
46) Dibromomethane	9.46	93	68016	48.103	ug/l	99
47) Bromodichloromethane	9.65	83	175299	48.366	ug/l	98
48) Methyl methacrylate	9.44	41	74839	49.196	ug/l	98
49) 1,4-Dioxane	9.49	88	18527	867.798	ug/l	78
51) 4-Methyl-2-Pentanone	10.22	43	395989	240.074	ug/l	100
52) Toluene	10.39	92	322636	46.384	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	177817	48.028	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	201495	47.817	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93507	46.930	ug/l	99
56) Ethyl methacrylate	10.65	69	117621	48.613	ug/l	99
57) 1,3-Dichloropropane	10.94	76	165191	48.070	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	263216	242.678	ug/l	100
59) 2-Hexanone	10.98	43	280422	243.362	ug/l	100
60) Dibromochloromethane	11.13	129	116249	49.061	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90564	48.052	ug/l	98
64) Tetrachloroethene	10.87	164	114390	45.150	ug/l	96
65) Chlorobenzene	11.66	112	357562	45.330	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	127995	46.174	ug/l	99
67) Ethyl Benzene	11.74	91	645694	46.179	ug/l	100
68) m/p-Xylenes	11.85	106	492042	92.571	ug/l	100
69) o-Xylene	12.17	106	230065	46.704	ug/l	99
70) Styrene	12.19	104	393357	47.974	ug/l	100
71) Bromoform	12.35	173	68051	47.368	ug/l #	99
73) Isopropylbenzene	12.47	105	648469	45.490	ug/l	100
74) N-amyl acetate	12.28	43	150214	46.296	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	110841	45.961	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	151647	86.553	ug/l #	100
77) Bromobenzene	12.76	156	148890	44.848	ug/l	97
78) n-propylbenzene	12.81	91	796666	45.641	ug/l	100
79) 2-Chlorotoluene	12.90	91	449832	45.602	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	552983	46.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34756	45.646	ug/l	99
82) 4-Chlorotoluene	13.00	91	476124	45.500	ug/l	99
83) tert-Butylbenzene	13.21	119	467357	45.832	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	573328	46.581	ug/l	100
85) sec-Butylbenzene	13.40	105	692219	45.670	ug/l	100
86) p-Isopropyltoluene	13.51	119	615120	46.013	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	309163	45.332	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	308463	45.496	ug/l	99
89) n-Butylbenzene	13.83	91	599070	45.973	ug/l	99
90) Hexachloroethane	14.10	117	111561	46.132	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	276140	46.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18764	46.234	ug/l	98

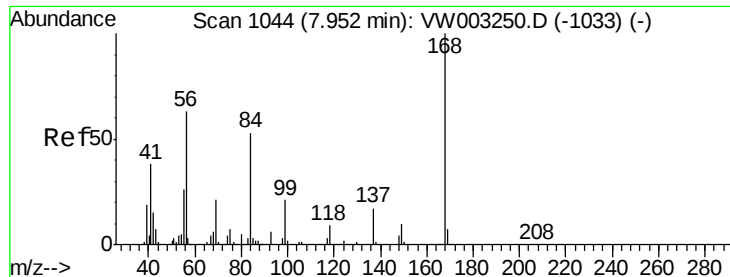
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	192873	45.989	ug/l	99
94) Hexachlorobutadiene	15.25	225	112809	44.717	ug/l	98
95) Naphthalene	15.38	128	332525	46.742	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	168845	45.739	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

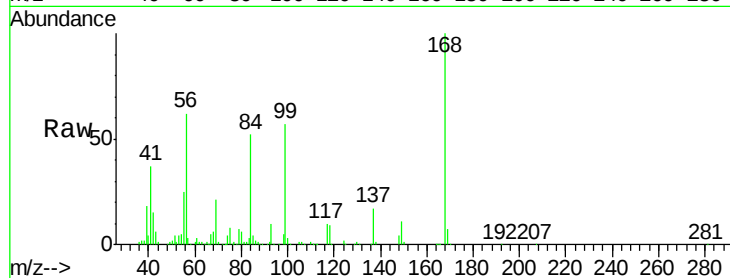
VSTDCCC050

Tgt Ion:168 Resp: 262105

Ion Ratio Lower Upper

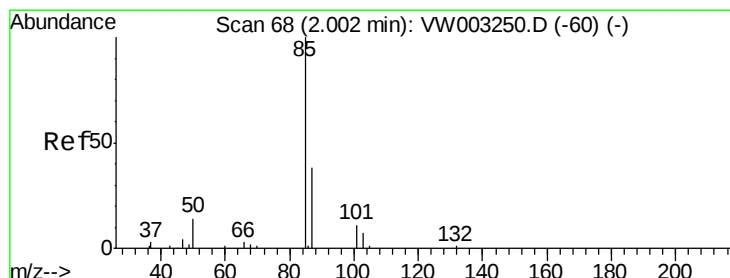
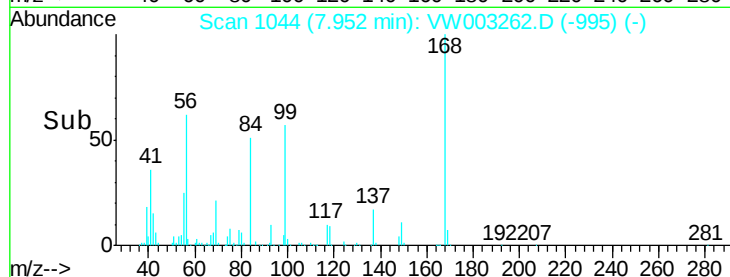
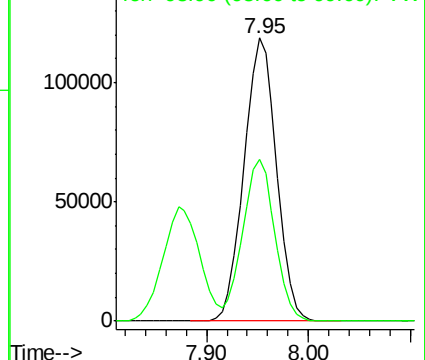
168 100

99 57.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.133 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003262.D

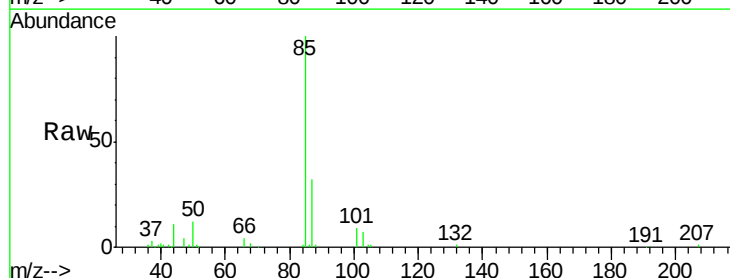
Acq: 14 Jun 2018 18:49

Tgt Ion: 85 Resp: 40518

Ion Ratio Lower Upper

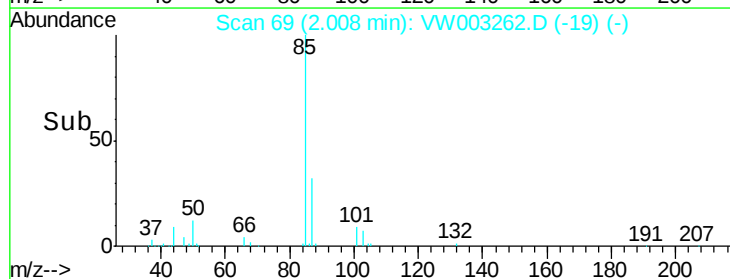
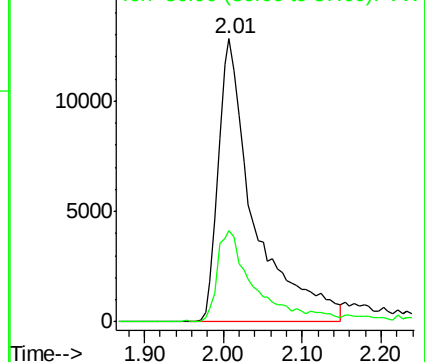
85 100

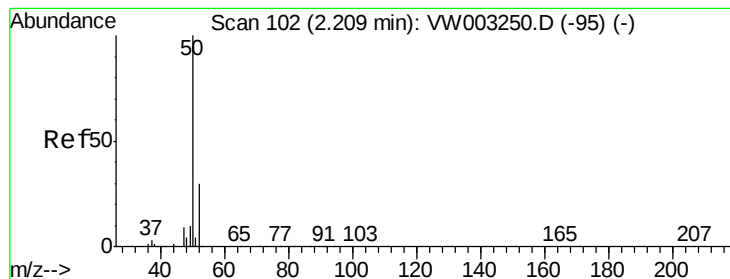
87 32.1 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.857 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

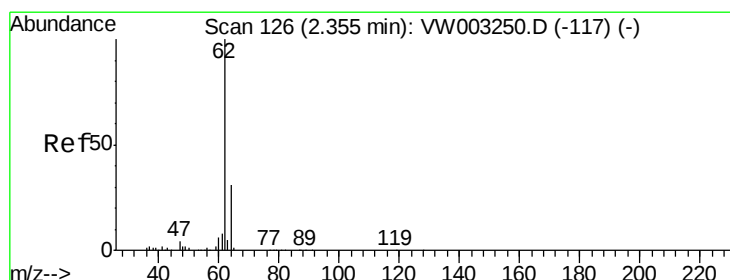
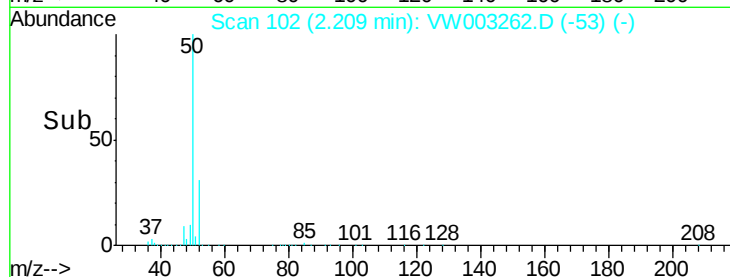
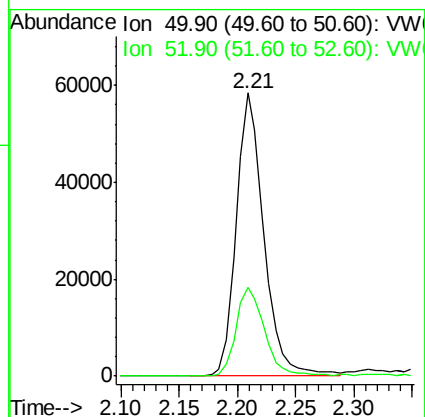
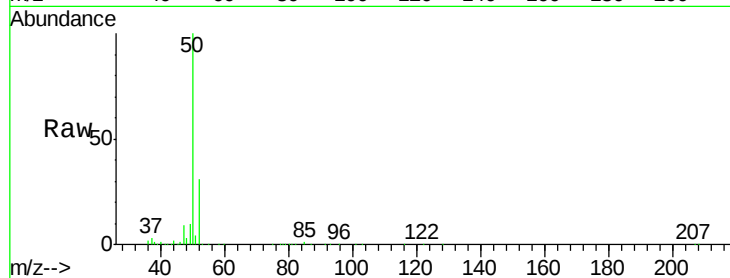
VSTDCCC050

Tgt Ion: 50 Resp: 95814

Ion Ratio Lower Upper

50 100

52 31.4 24.2 36.2



#4

Vinyl Chloride

Concen: 44.957 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003262.D

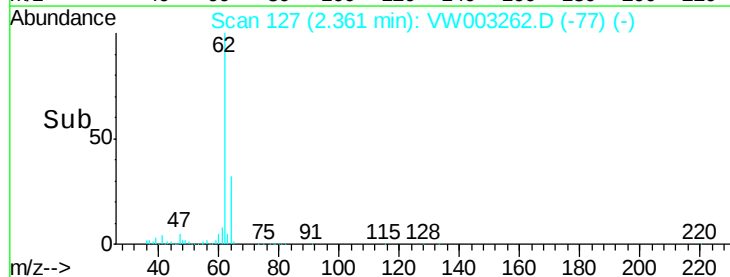
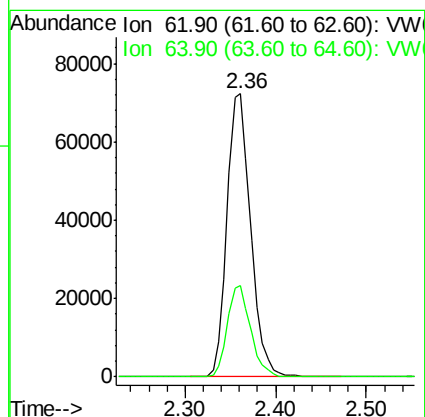
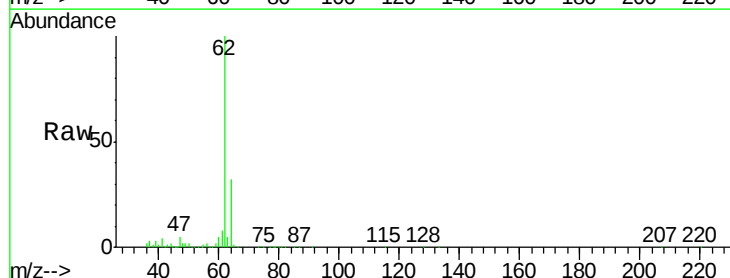
Acq: 14 Jun 2018 18:49

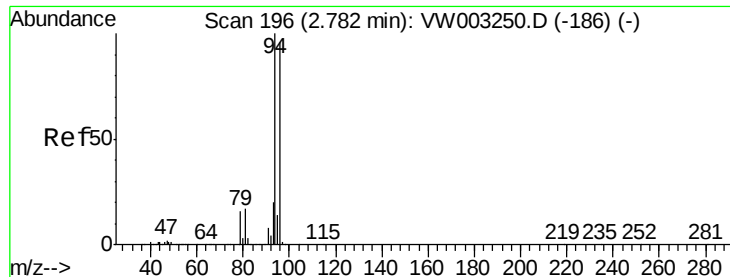
Tgt Ion: 62 Resp: 131215

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3





#5

Bromomethane

Concen: 46.076 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

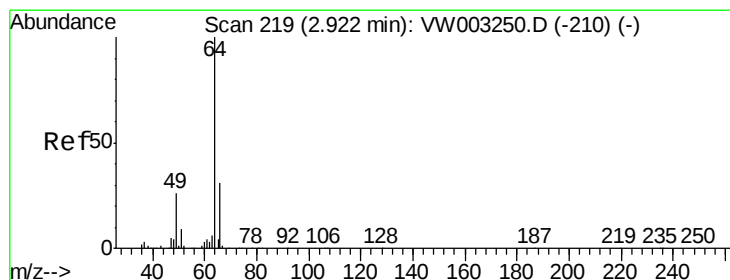
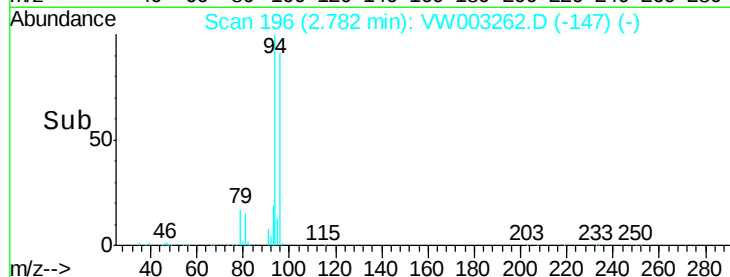
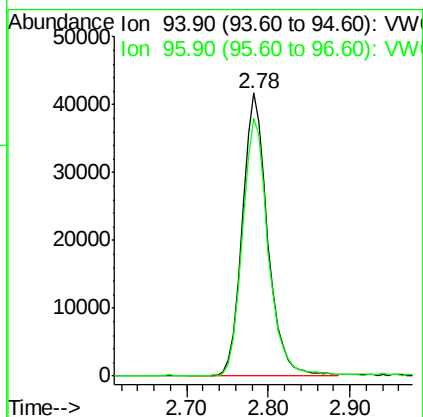
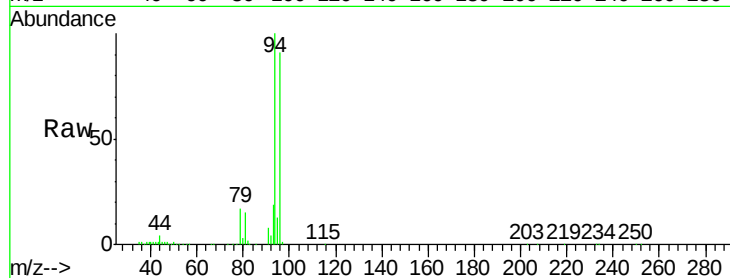
VSTDCCC050

Tgt Ion: 94 Resp: 89382

Ion Ratio Lower Upper

94 100

96 90.8 76.5 114.7



#6

Chloroethane

Concen: 44.331 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003262.D

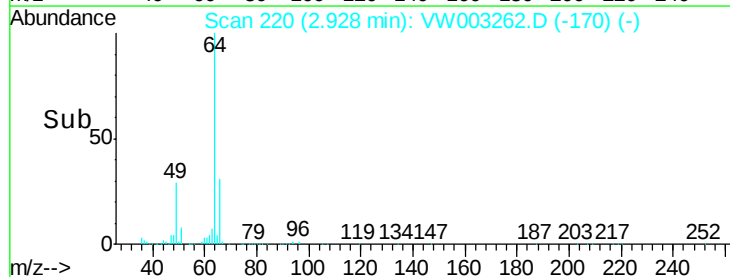
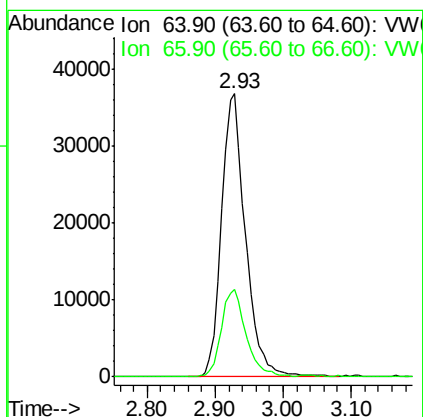
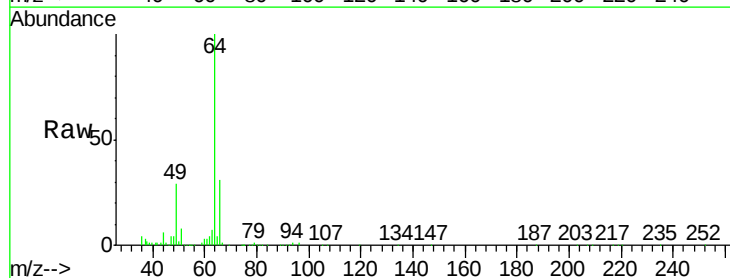
Acq: 14 Jun 2018 18:49

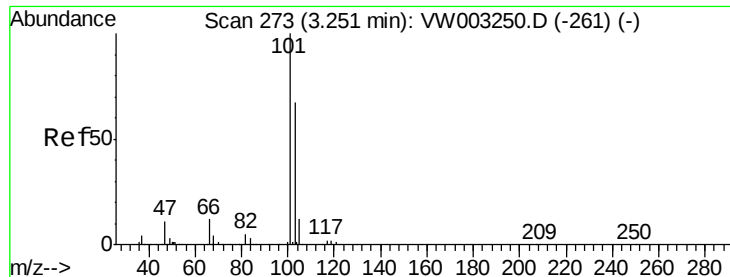
Tgt Ion: 64 Resp: 90064

Ion Ratio Lower Upper

64 100

66 30.7 24.4 36.6



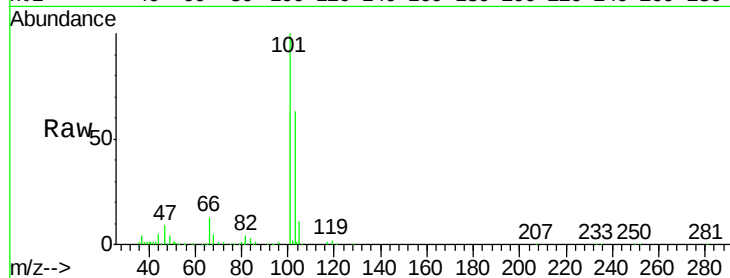


#7

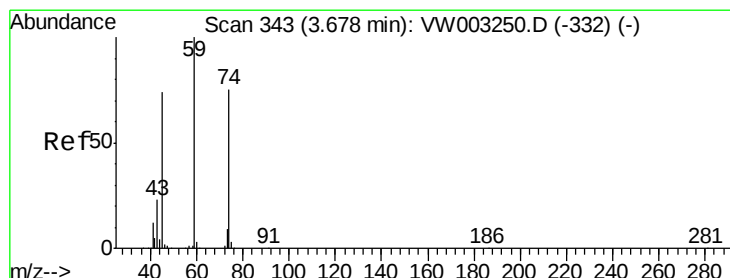
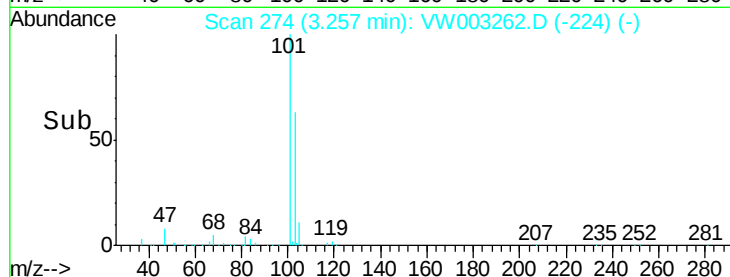
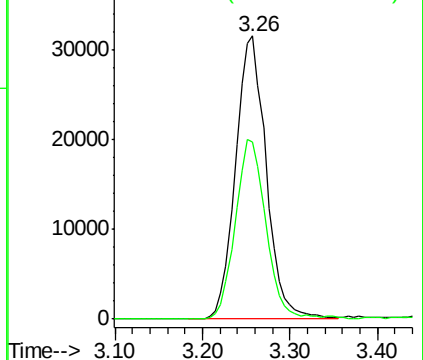
Trichlorofluoromethane
 Concen: 43.988 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 76914
 Ion Ratio Lower Upper
 101 100
 103 62.7 53.4 80.0



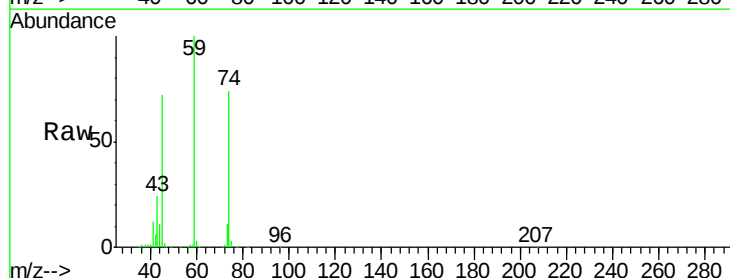
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



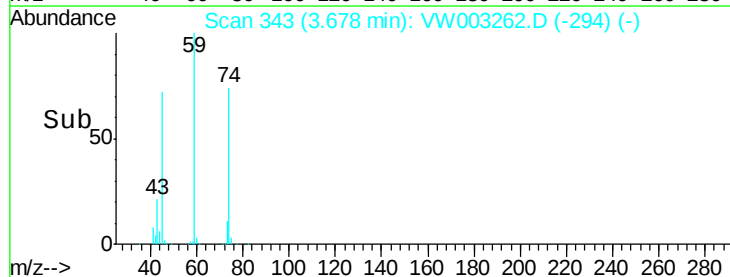
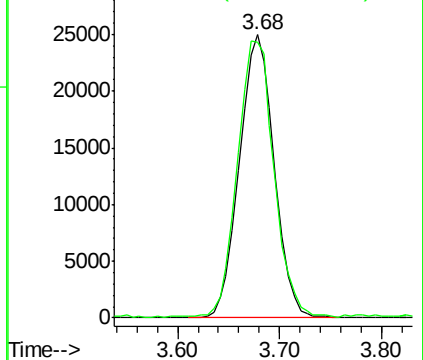
#8

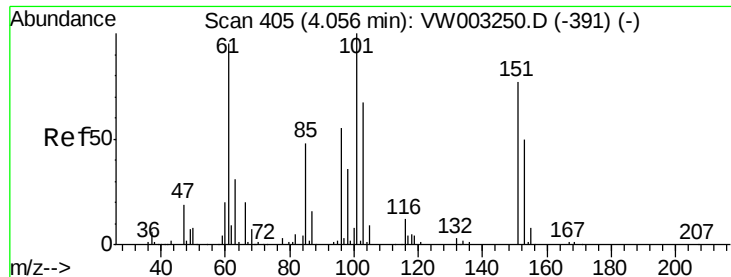
Diethyl Ether
 Concen: 45.849 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 74 Resp: 58891
 Ion Ratio Lower Upper
 74 100
 45 102.6 51.4 154.2



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: 44.956 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

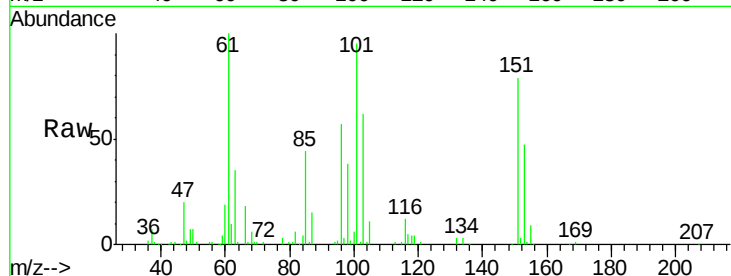
Tgt Ion:101 Resp: 109153

Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.6

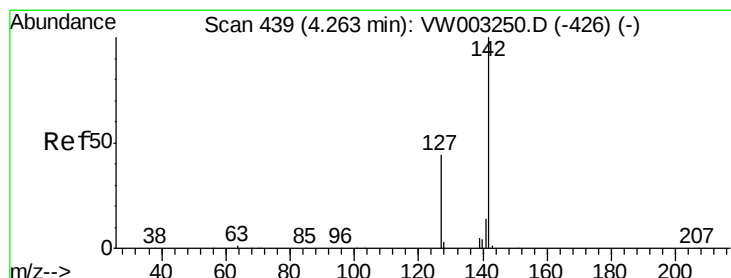
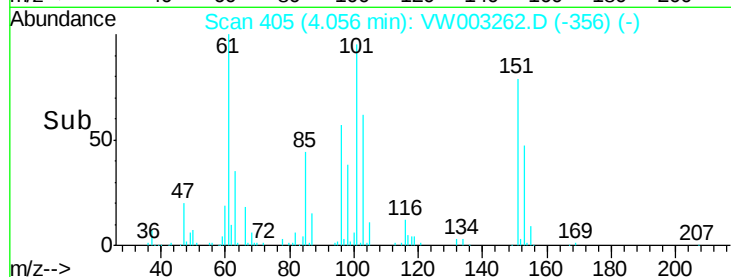
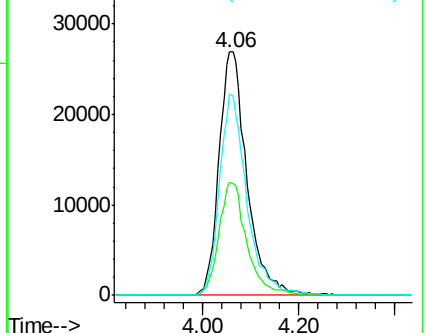
151 79.9 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.380 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

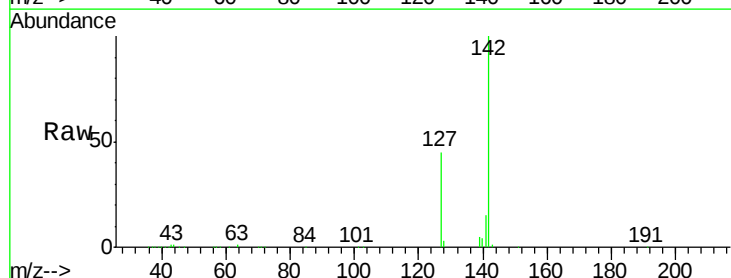
Tgt Ion:142 Resp: 170305

Ion Ratio Lower Upper

142 100

127 44.6 36.5 54.7

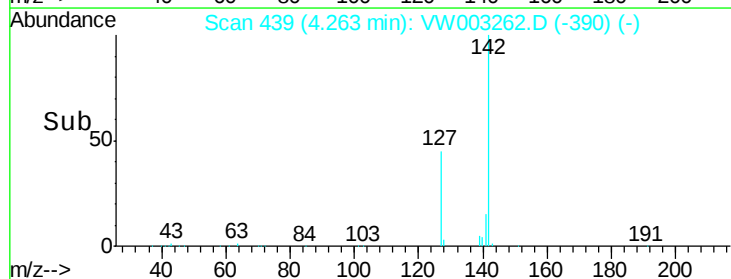
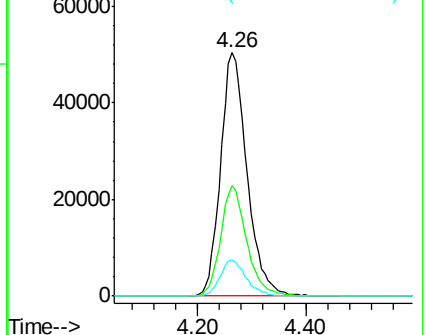
141 14.8 12.1 18.1

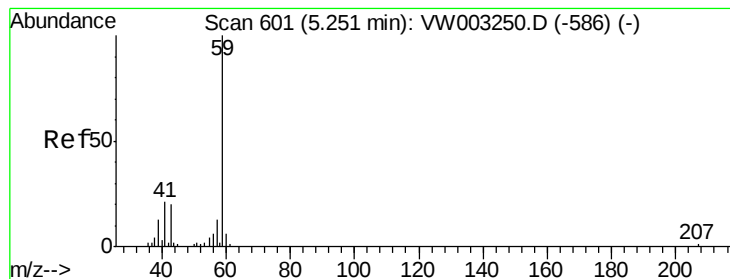


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



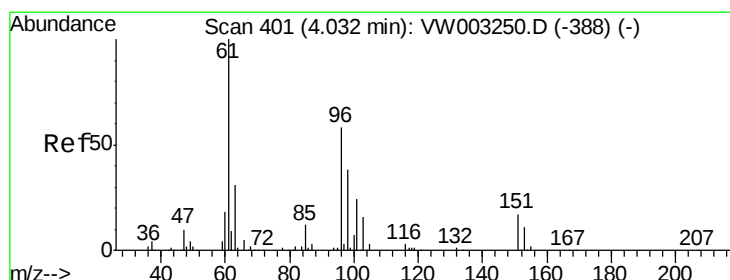
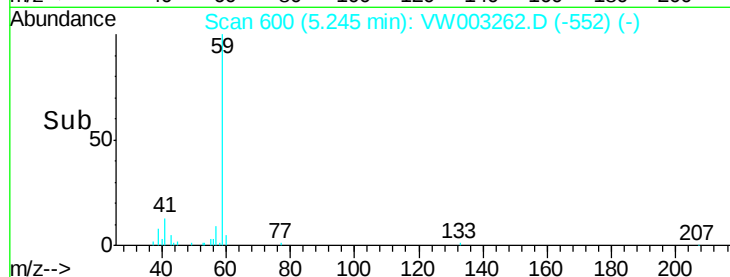
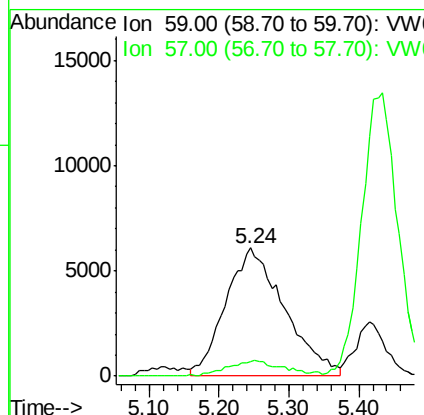
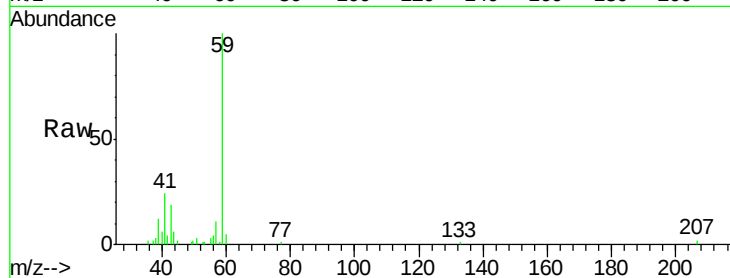


#11

Tert butyl alcohol
 Concen: 234.037 ug/l
 RT: 5.24 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

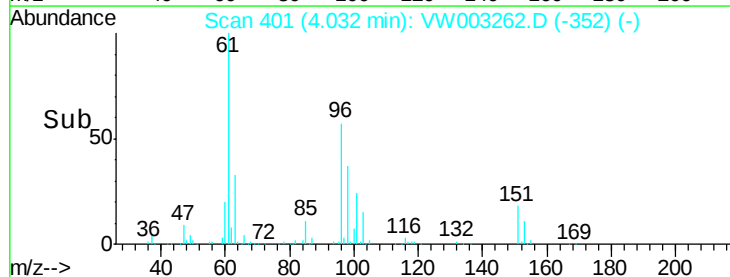
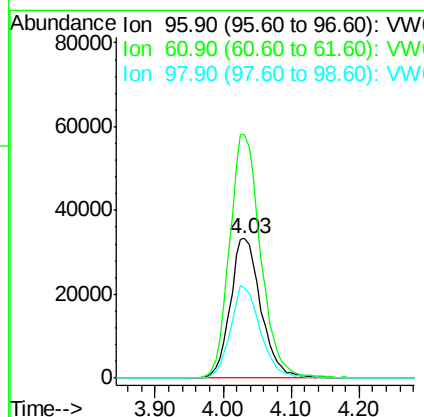
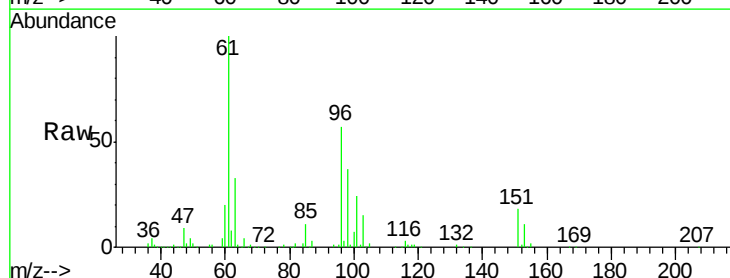
Tgt Ion: 59 Resp: 35634
 Ion Ratio Lower Upper
 59 100
 57 11.0 4.2 6.2#

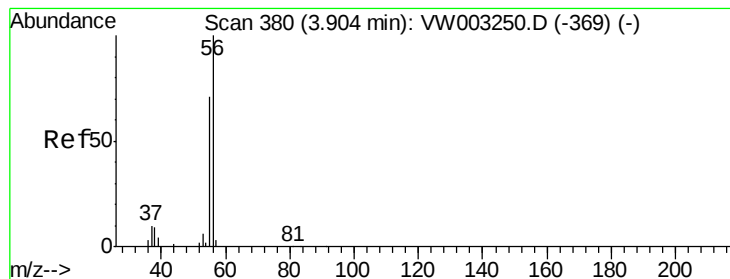


#12

1,1-Dichloroethene
 Concen: 43.983 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 96 Resp: 104357
 Ion Ratio Lower Upper
 96 100
 61 174.1 139.0 208.4
 98 64.3 53.3 79.9





#13

Acrolein

Concen: 363.620 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

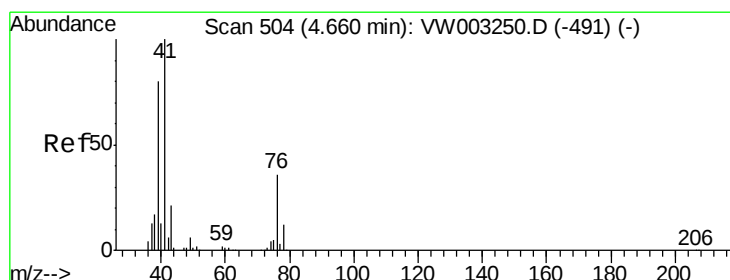
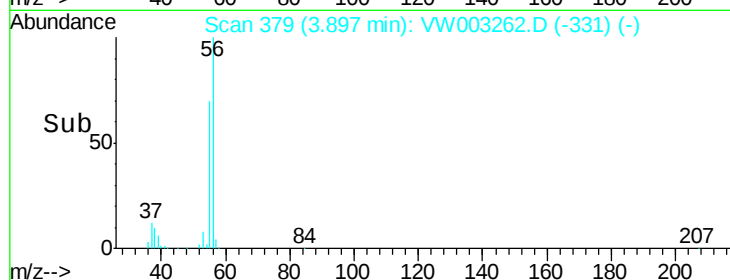
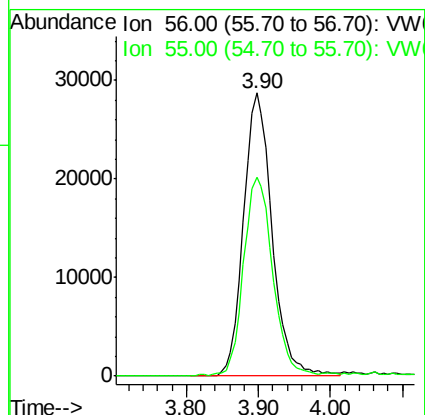
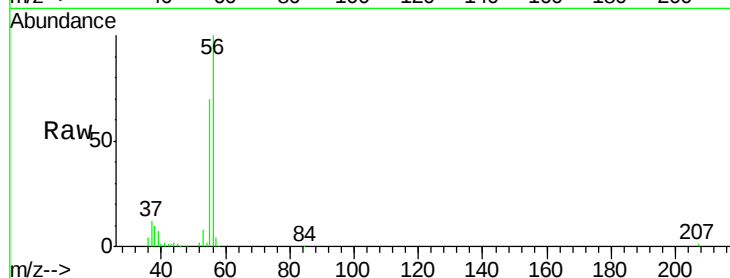
VSTDCCC050

Tgt Ion: 56 Resp: 79156

Ion Ratio Lower Upper

56 100

55 70.8 55.4 83.2



#14

Allyl chloride

Concen: 45.632 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

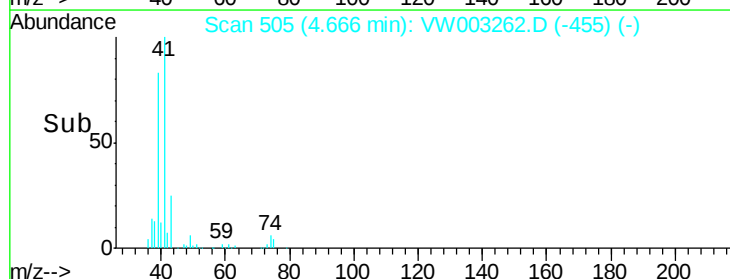
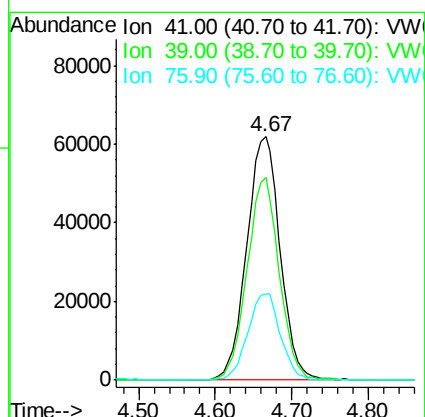
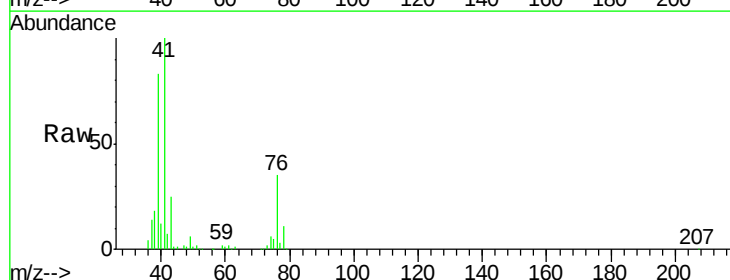
Tgt Ion: 41 Resp: 187546

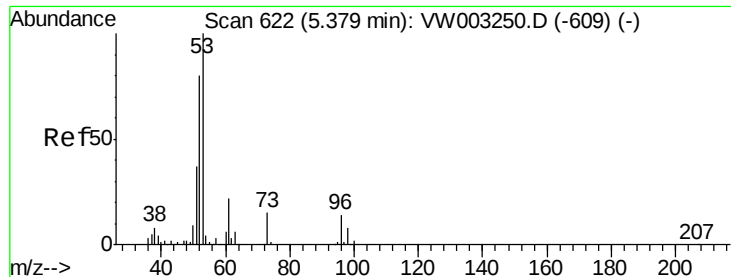
Ion Ratio Lower Upper

41 100

39 80.0 63.2 94.8

76 34.8 28.0 42.0





#15

Acrylonitrile

Concen: 237.545 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

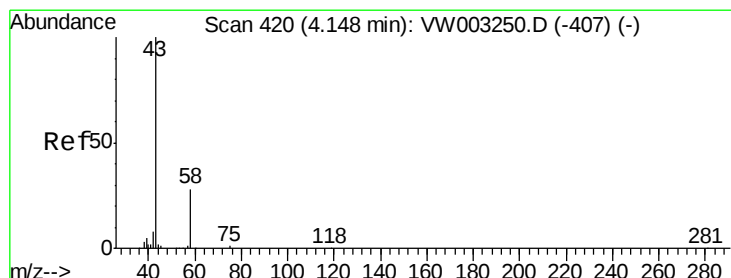
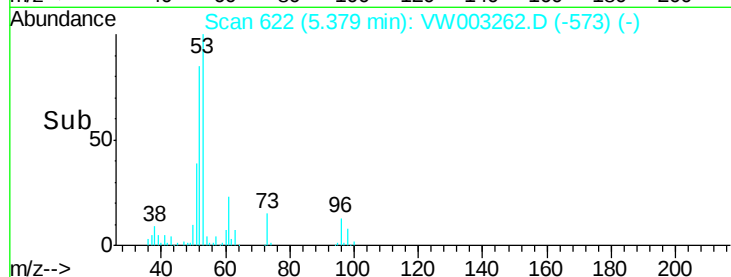
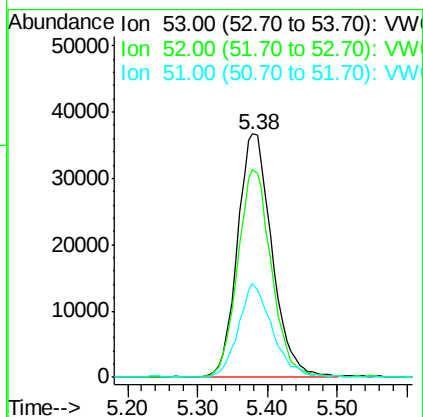
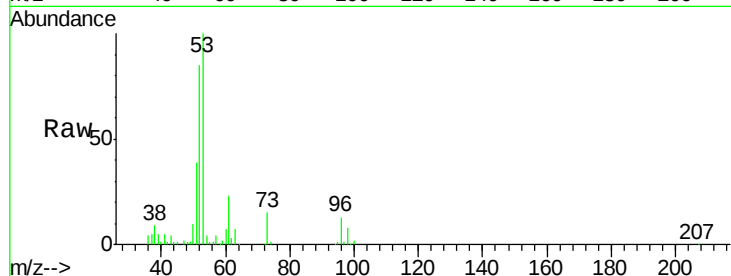
Tgt Ion: 53 Resp: 125535

Ion Ratio Lower Upper

53 100

52 83.8 66.6 100.0

51 38.2 30.6 46.0



#16

Acetone

Concen: 232.320 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW003262.D

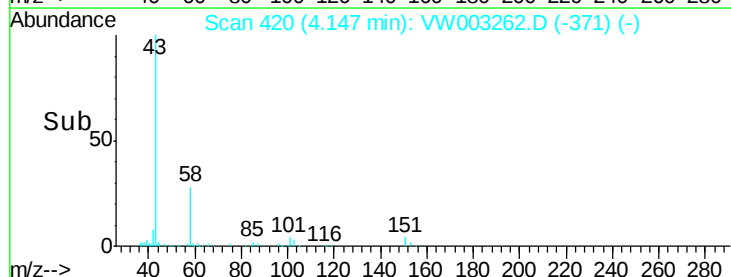
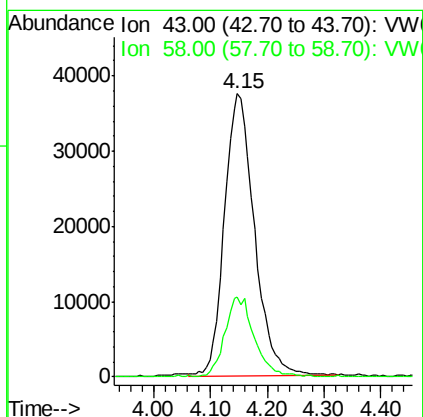
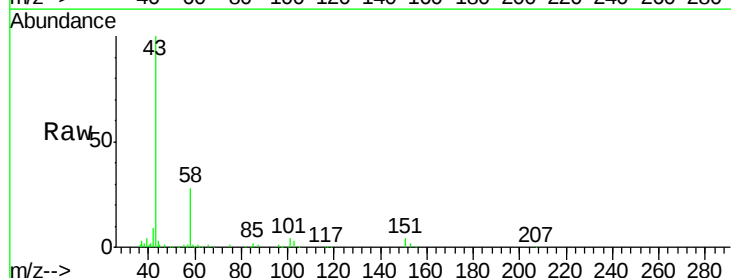
Acq: 14 Jun 2018 18:49

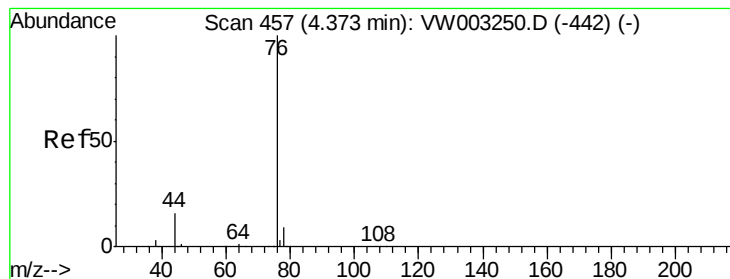
Tgt Ion: 43 Resp: 138329

Ion Ratio Lower Upper

43 100

58 28.0 22.6 34.0





#17

Carbon Disulfide

Concen: 44.664 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

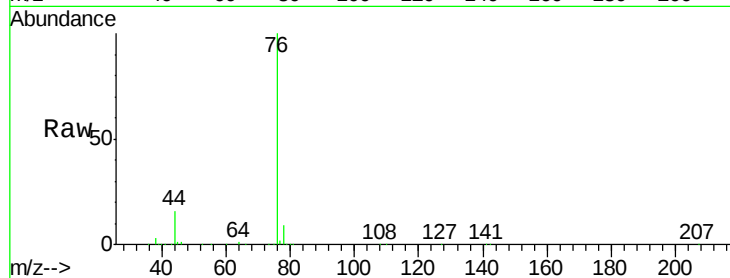
VSTDCCC050

Tgt Ion: 76 Resp: 313298

Ion Ratio Lower Upper

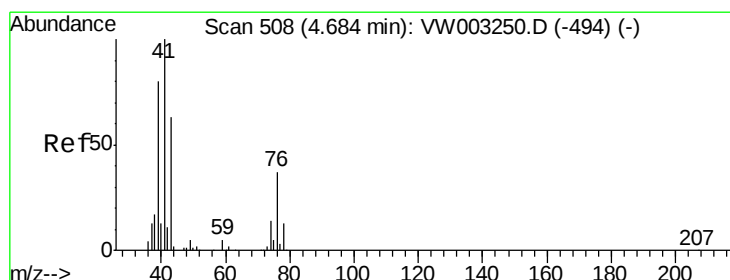
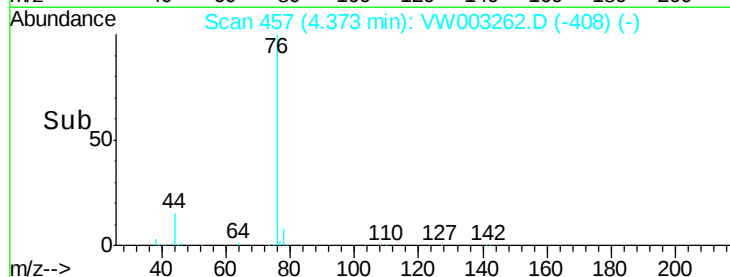
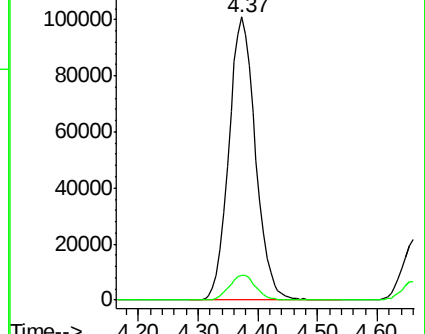
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 46.037 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003262.D

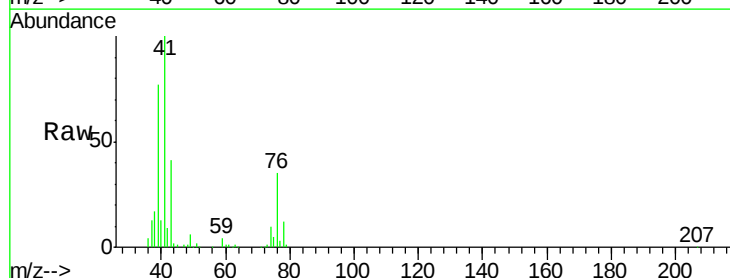
Acq: 14 Jun 2018 18:49

Tgt Ion: 43 Resp: 65028

Ion Ratio Lower Upper

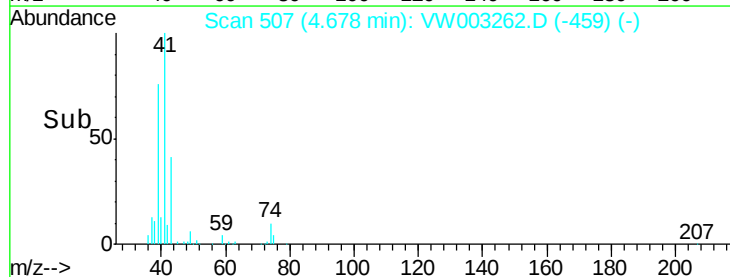
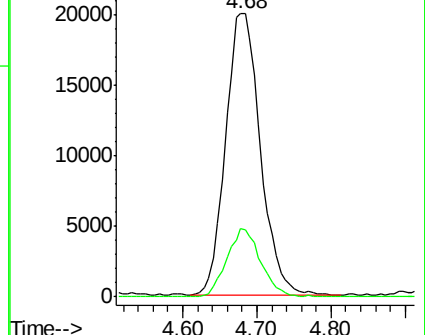
43 100

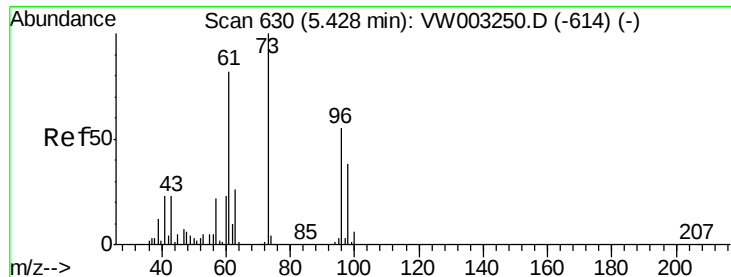
74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

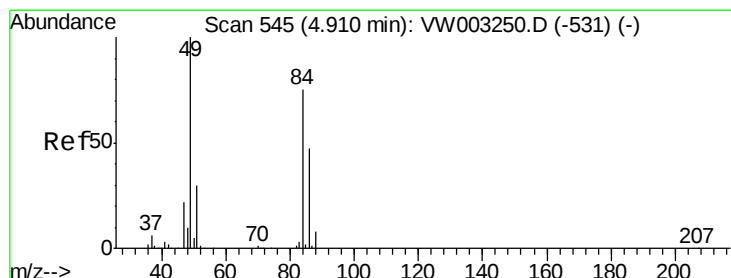
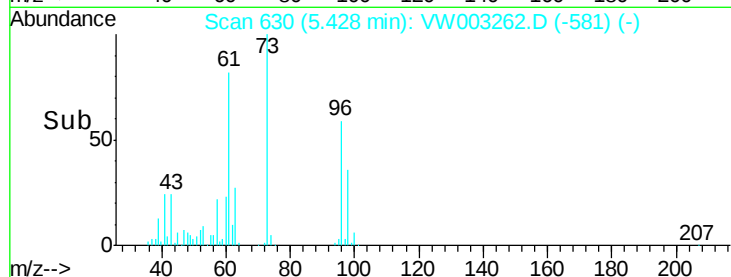
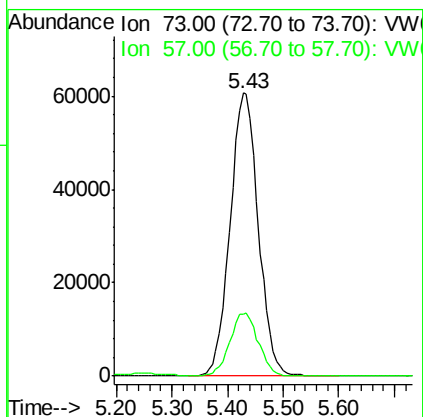
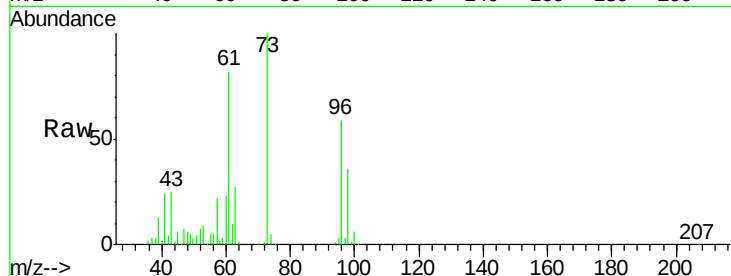




#19
Methyl tert-butyl Ether
Concen: 47.803 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

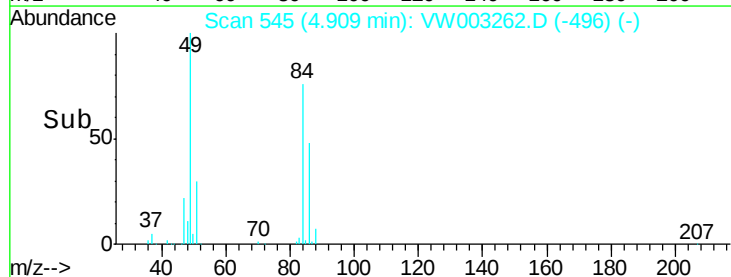
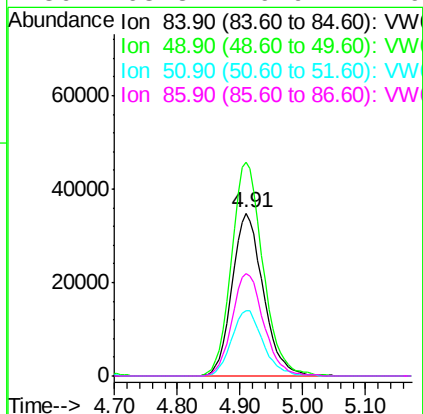
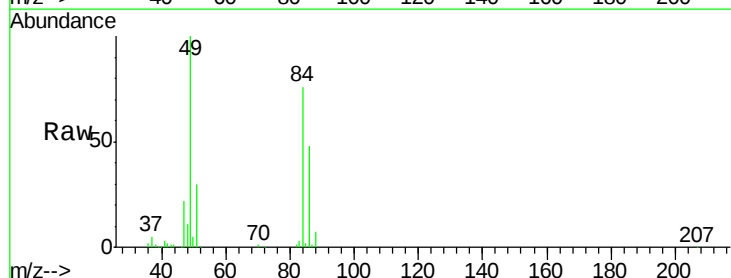
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

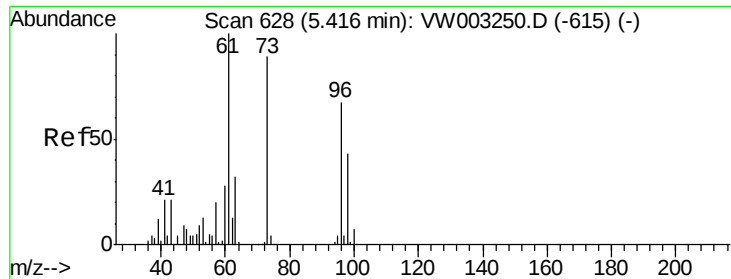
Tgt Ion: 73 Resp: 212433
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0



#20
Methylene Chloride
Concen: 47.128 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 84 Resp: 119735
Ion Ratio Lower Upper
84 100
49 131.4 106.3 159.5
51 39.9 32.0 48.0
86 63.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.641 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

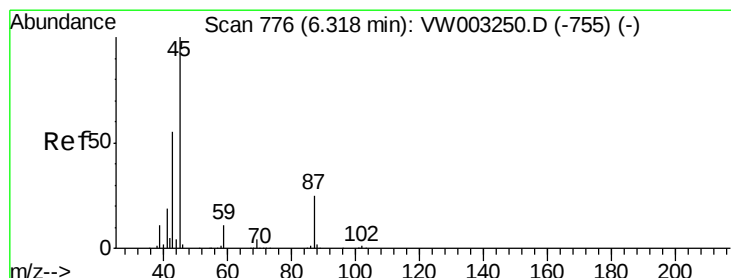
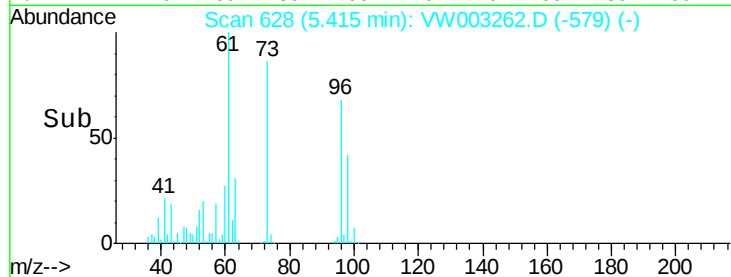
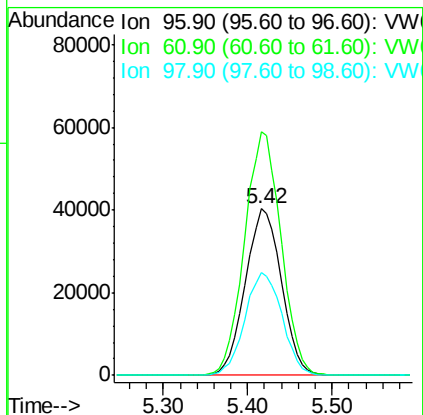
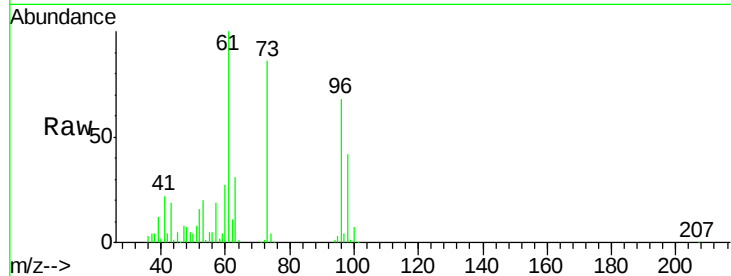
Tgt Ion: 96 Resp: 117856

Ion Ratio Lower Upper

96 100

61 146.3 118.7 178.1

98 62.0 51.0 76.6



#22

Diisopropyl ether

Concen: 48.025 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Tgt Ion: 45 Resp: 397242

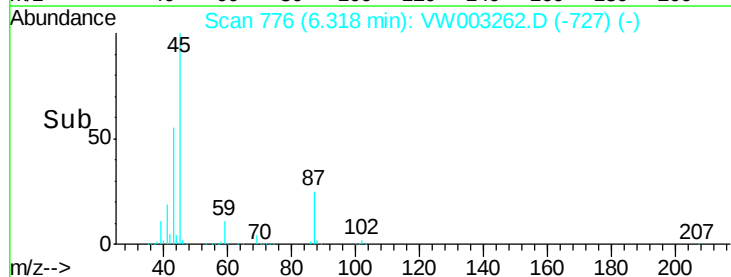
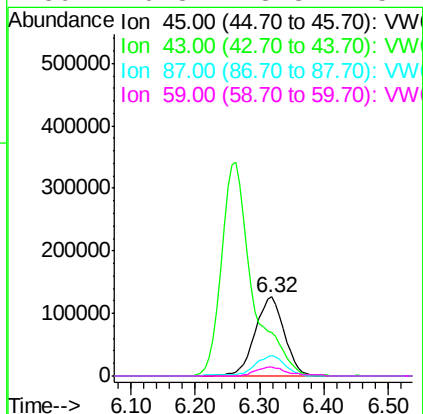
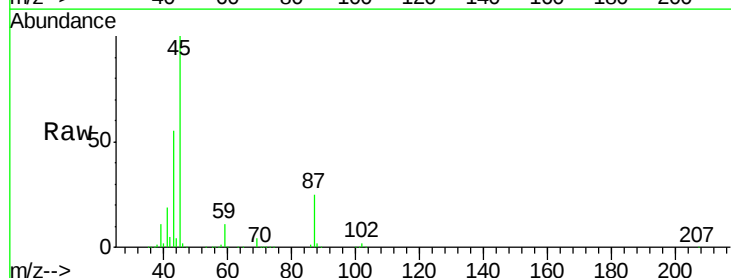
Ion Ratio Lower Upper

45 100

43 54.8 44.0 66.0

87 25.3 20.6 31.0

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 240.692 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

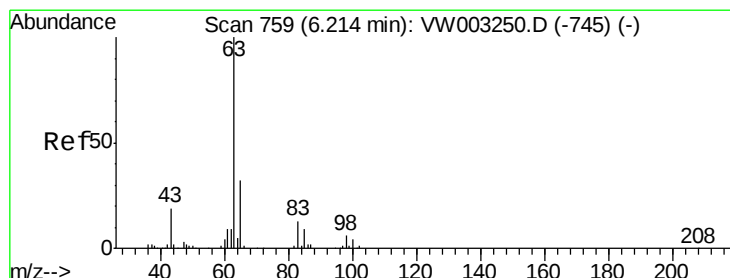
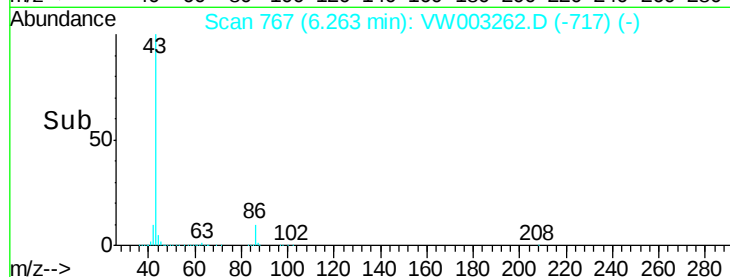
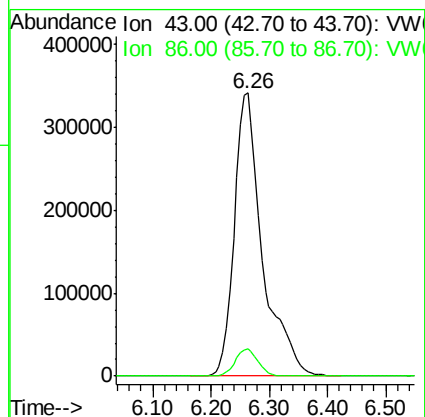
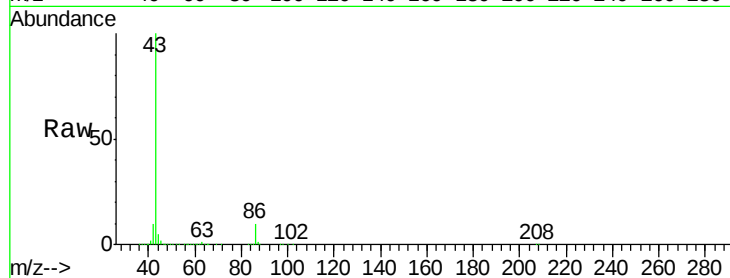
VSTDCCC050

Tgt Ion: 43 Resp: 1147288

Ion Ratio Lower Upper

43 100

86 9.8 7.5 11.3



#24

1,1-Dichloroethane

Concen: 46.346 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

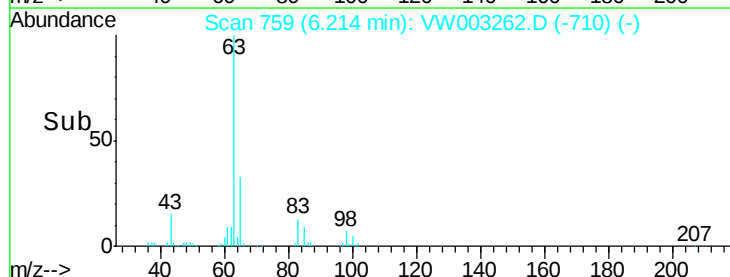
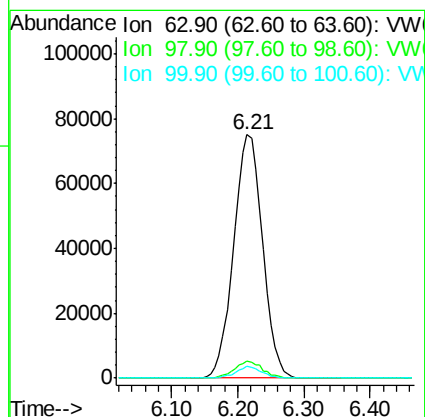
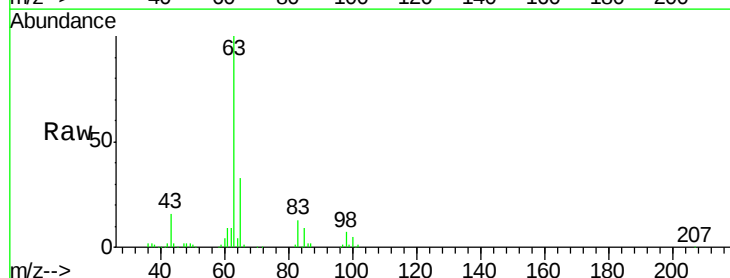
Tgt Ion: 63 Resp: 227580

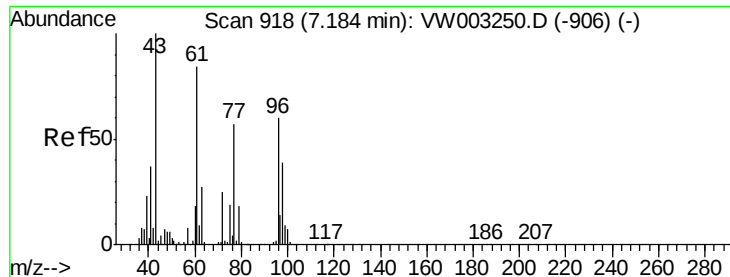
Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.3

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 239.282 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

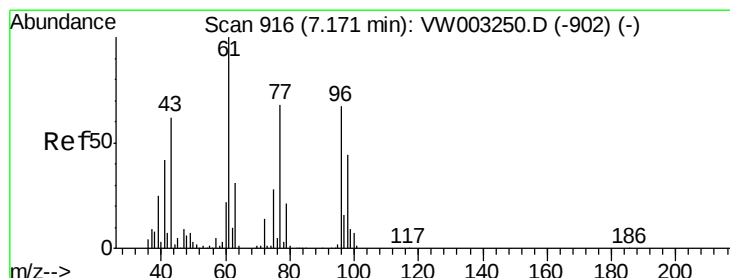
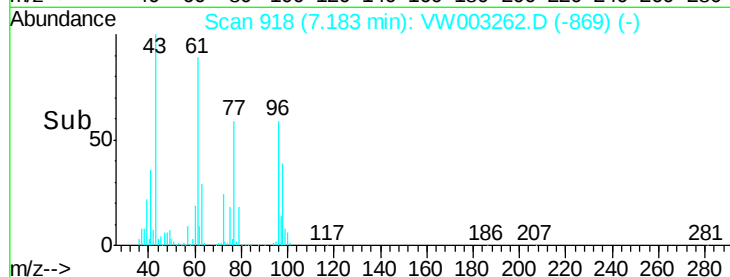
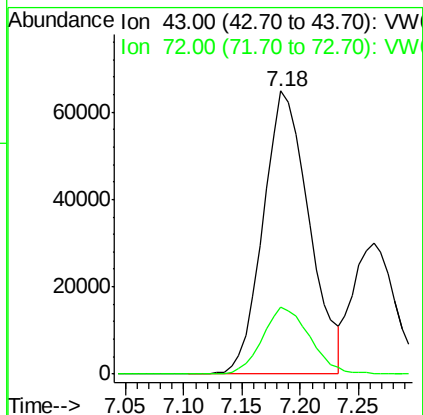
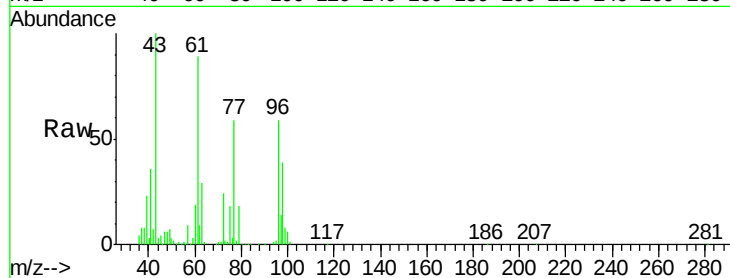
VSTDCCC050

Tgt Ion: 43 Resp: 177163

Ion Ratio Lower Upper

43 100

72 23.6 20.3 30.5



#26

2,2-Dichloropropane

Concen: 44.719 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003262.D

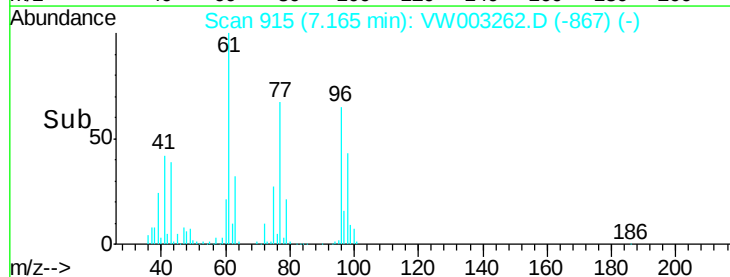
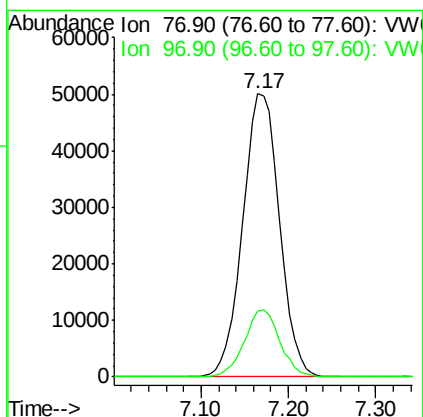
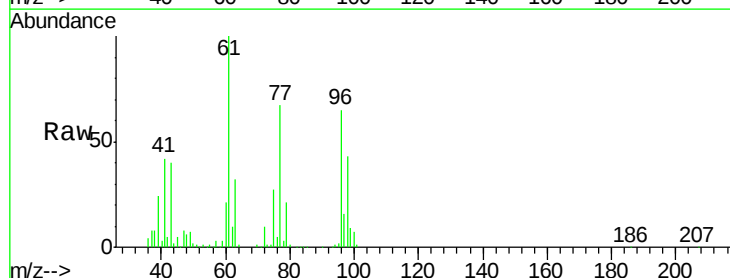
Acq: 14 Jun 2018 18:49

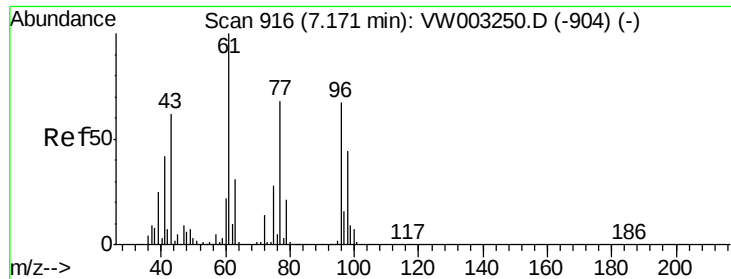
Tgt Ion: 77 Resp: 146551

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9

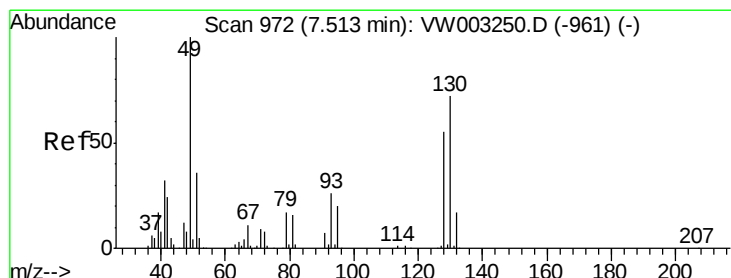
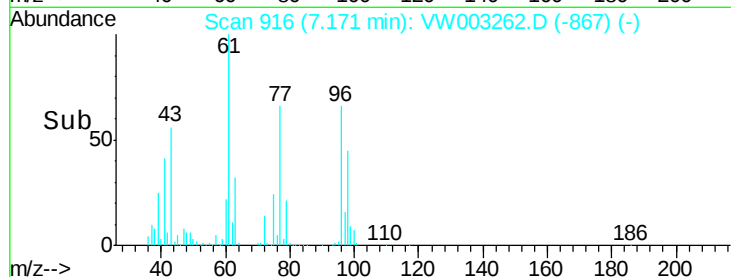
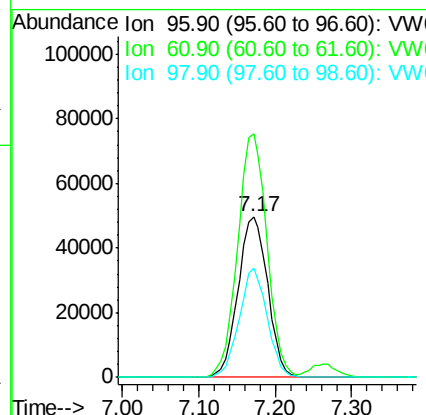
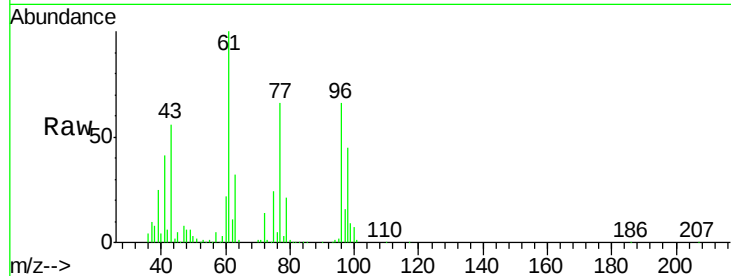




#27
 cis-1,2-Dichloroethene
 Concen: 46.926 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

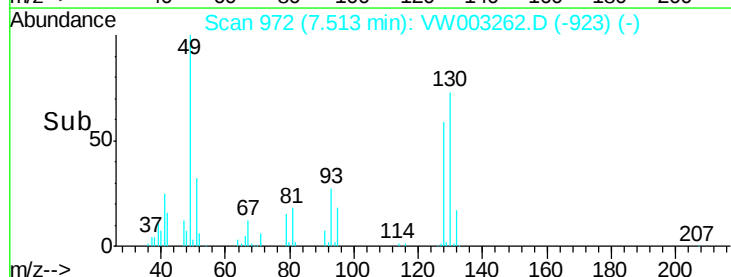
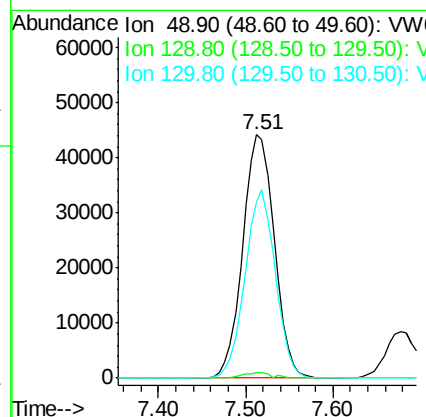
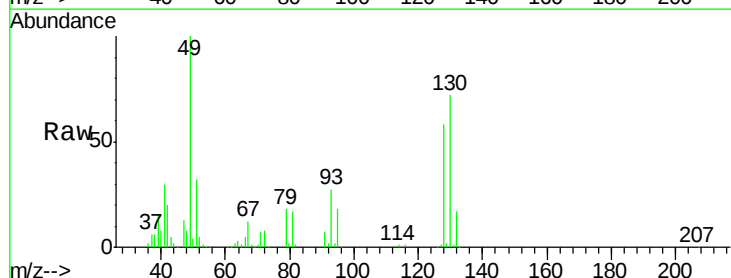
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

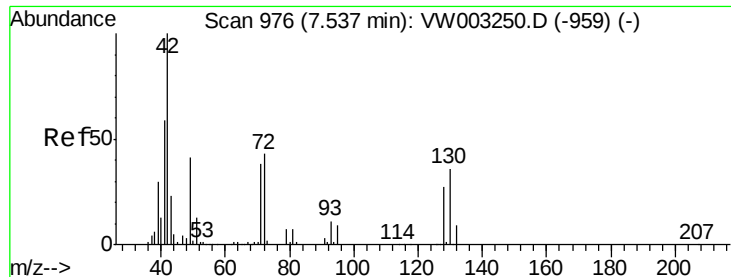
Tgt Ion: 96 Resp: 133114
 Ion Ratio Lower Upper
 96 100
 61 150.5 0.0 298.8
 98 64.4 0.0 130.4



#28
 Bromochloromethane
 Concen: 54.336 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 49 Resp: 111031
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 74.3 59.4 89.2

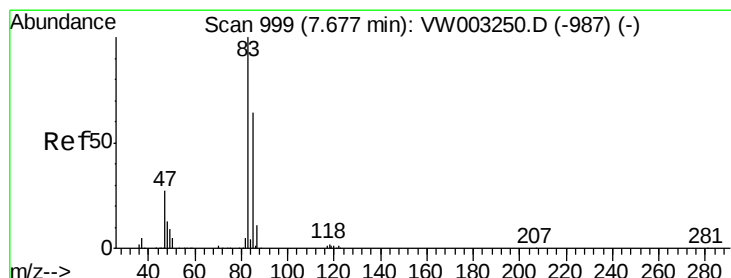
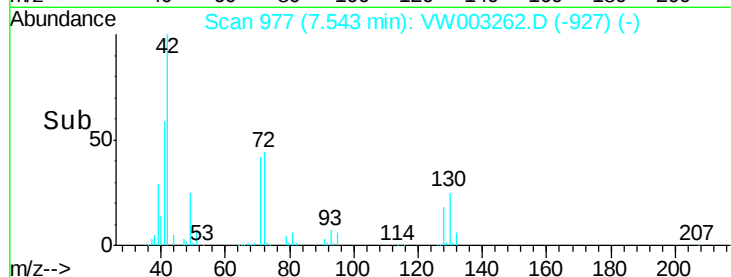
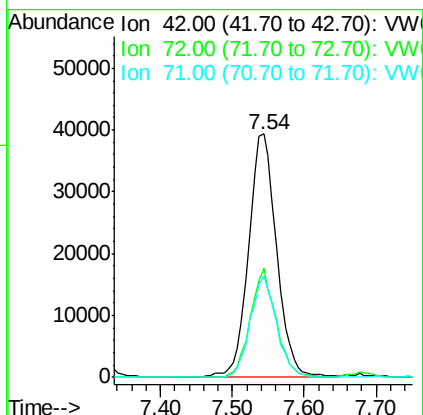
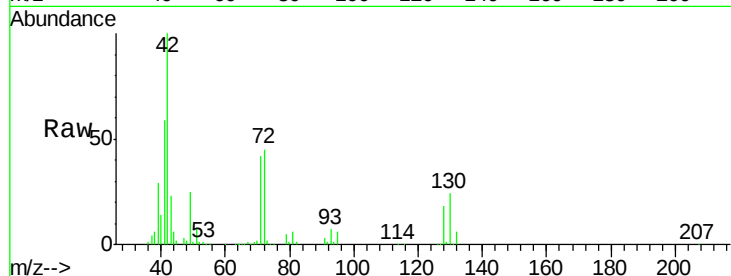




#29
Tetrahydrofuran
Concen: 236.067 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

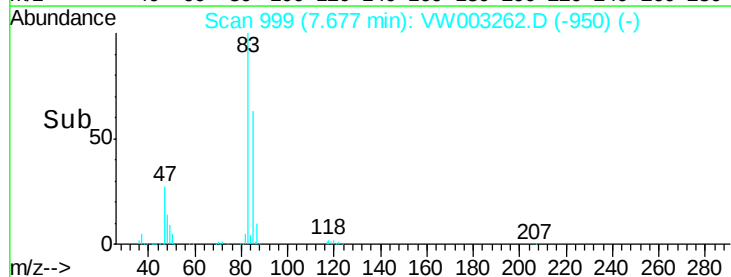
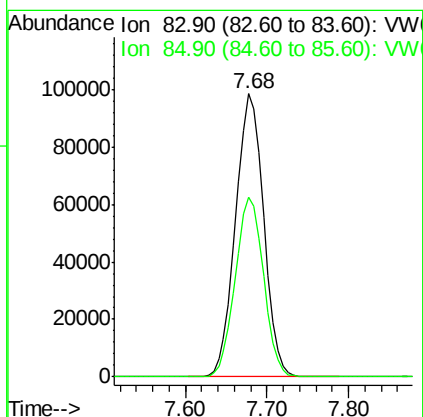
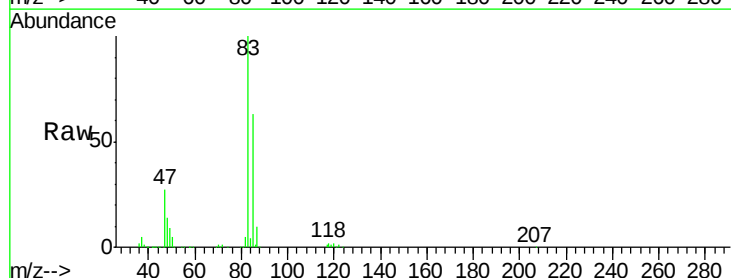
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

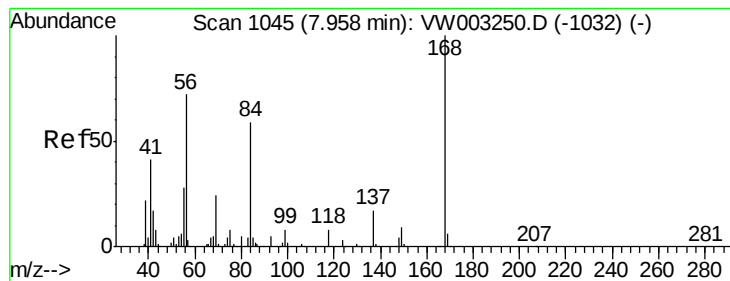
Tgt Ion: 42 Resp: 106821
Ion Ratio Lower Upper
42 100
72 40.9 32.4 48.6
71 38.9 31.2 46.8



#30
Chloroform
Concen: 46.888 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 83 Resp: 234569
Ion Ratio Lower Upper
83 100
85 63.4 51.3 76.9





#31

Cyclohexane

Concen: 42.155 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

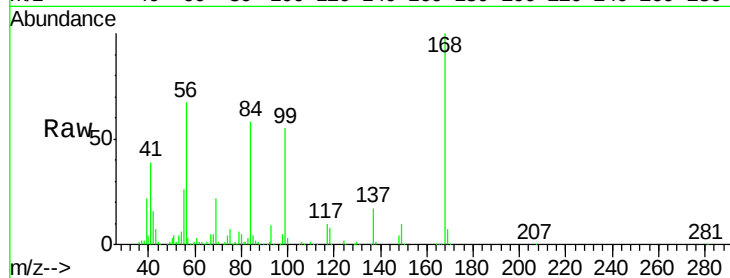
Tgt Ion: 56 Resp: 193389

Ion Ratio Lower Upper

56 100

69 33.3 26.3 39.5

84 83.8 65.7 98.5

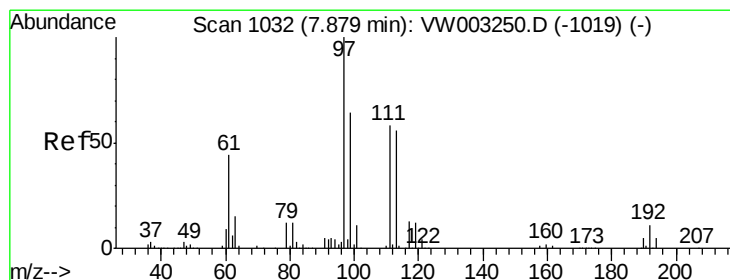
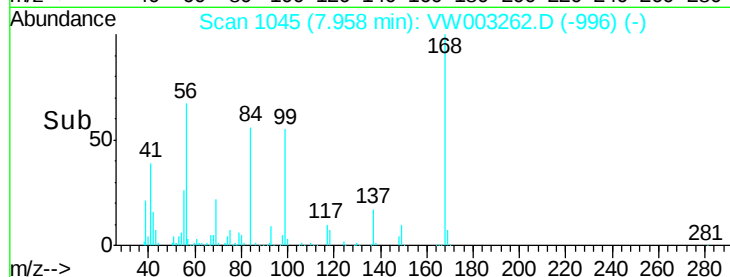
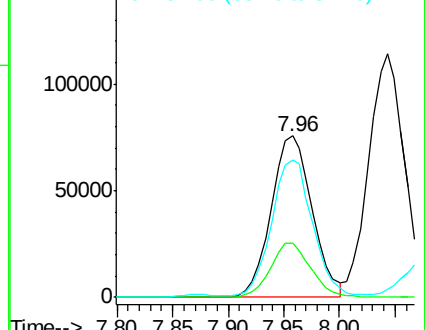


Abundance

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: 45.946 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

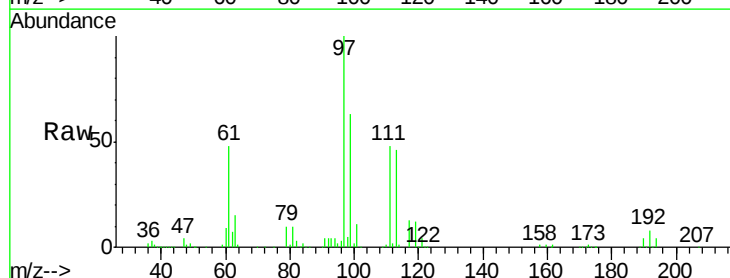
Tgt Ion: 97 Resp: 189728

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 46.9 37.6 56.4

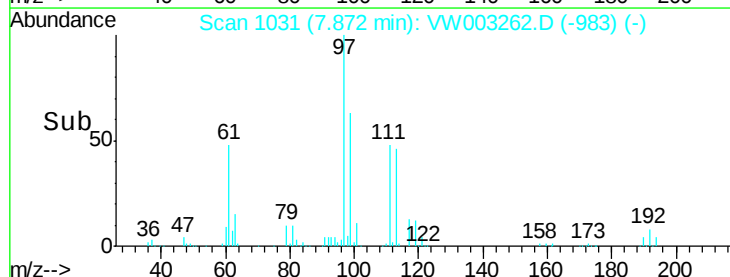
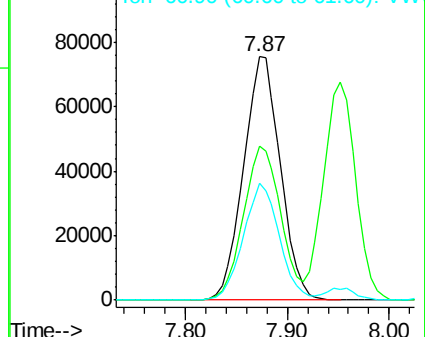


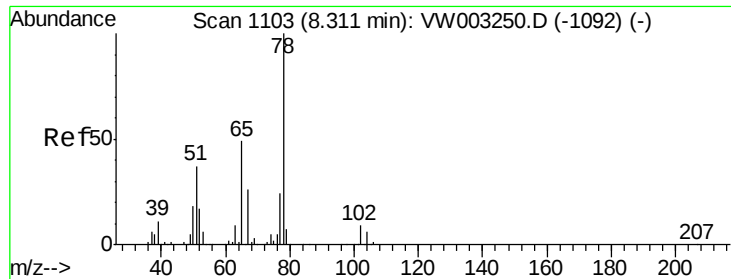
Abundance

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: 53.268 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

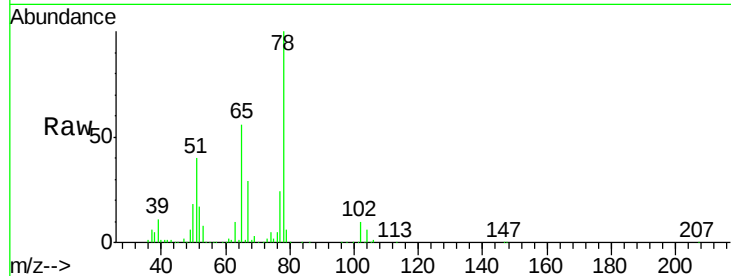
VSTDCCC050

Tgt Ion: 65 Resp: 151227

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

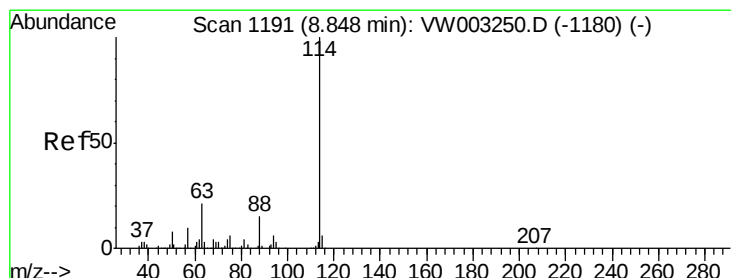
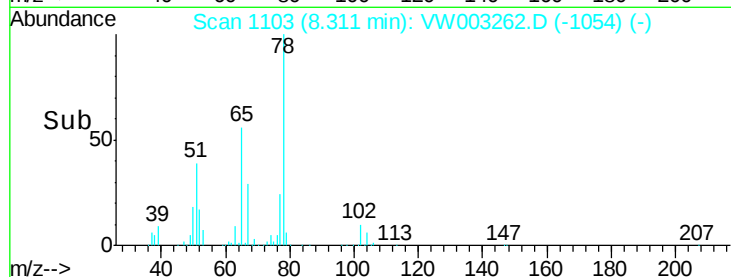
60000

40000

20000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

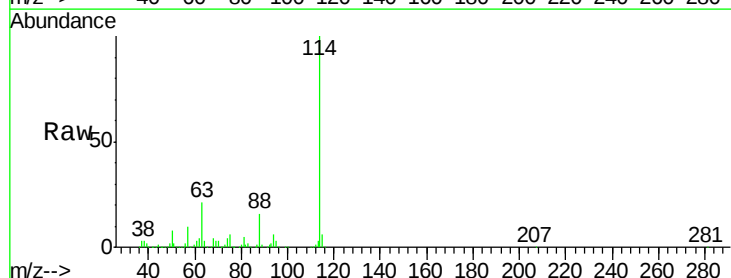
Tgt Ion: 114 Resp: 407474

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 15.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

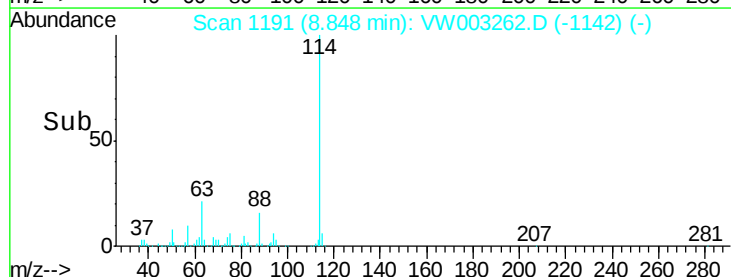
150000

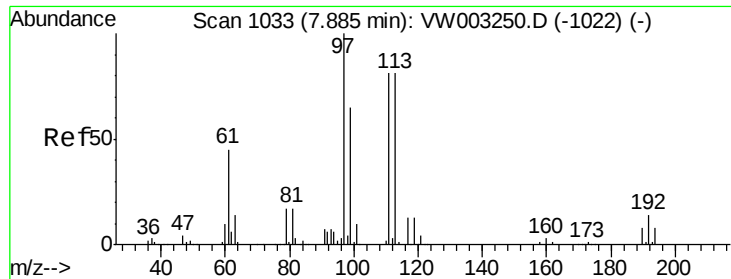
100000

50000

0

Time--> 8.80 8.90

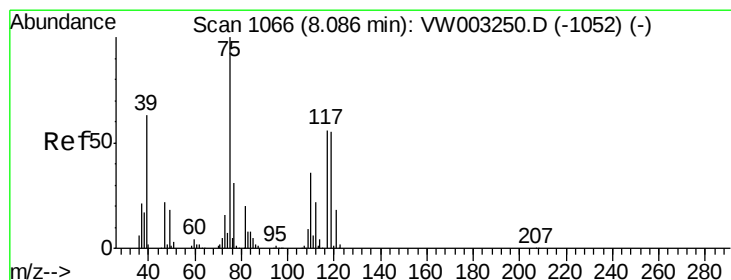
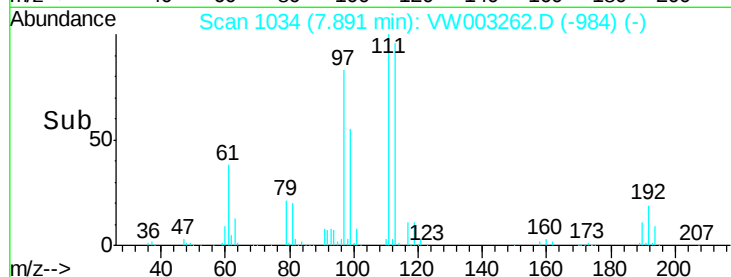
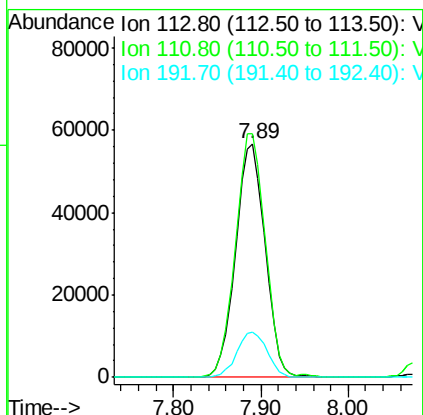
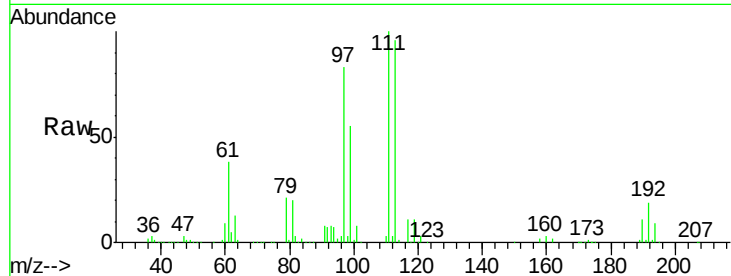




#35
 Dibromofluoromethane
 Concen: 52.684 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

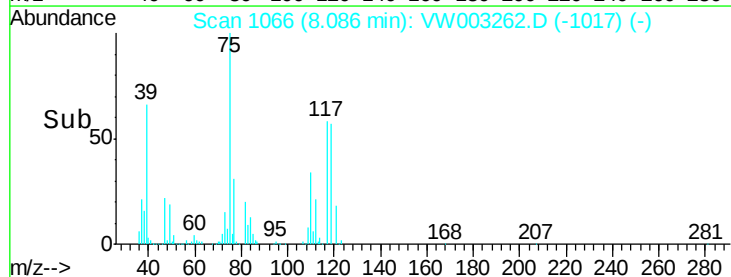
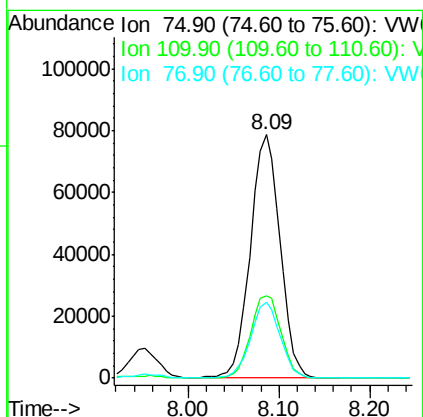
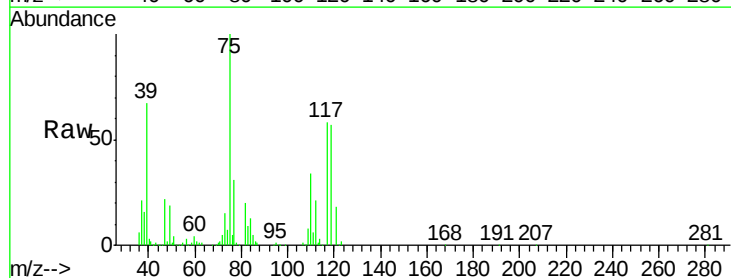
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

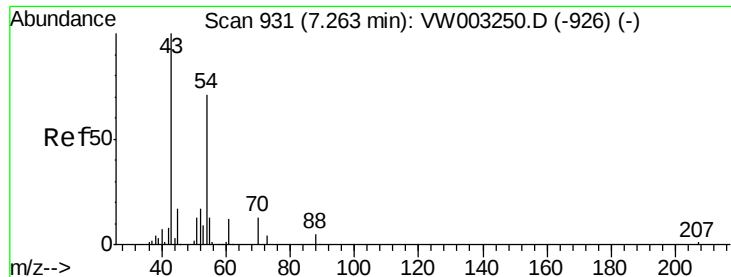
Tgt Ion: 113 Resp: 133392
 Ion Ratio Lower Upper
 113 100
 111 105.4 82.2 123.2
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 45.282 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 75 Resp: 178192
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.1 51.3
 77 31.0 24.9 37.3

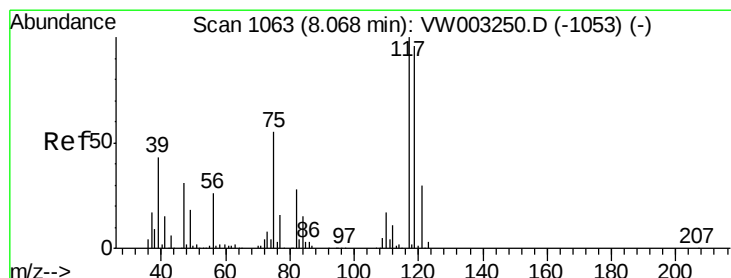
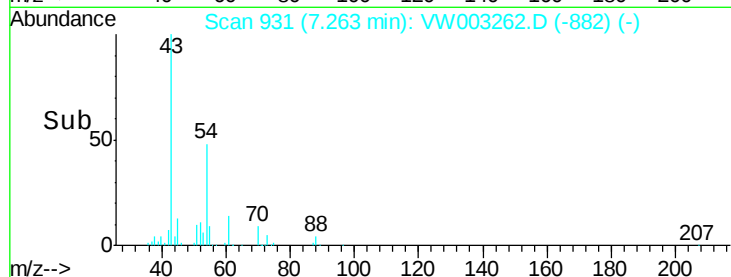
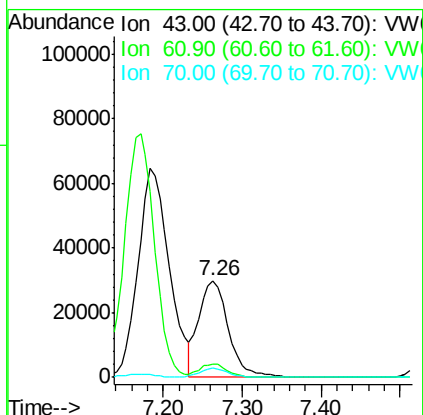
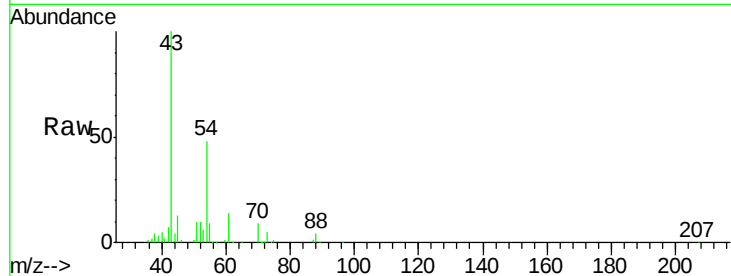




#37
 Ethyl Acetate
 Concen: 47.683 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

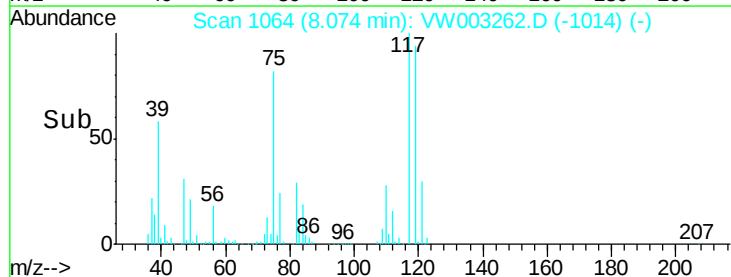
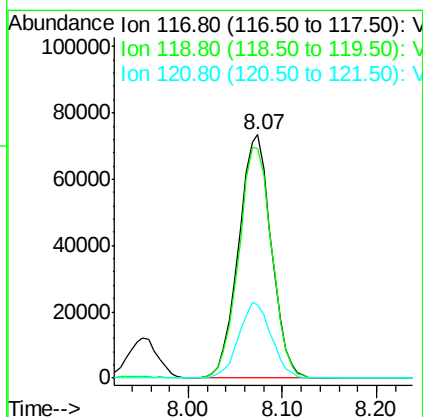
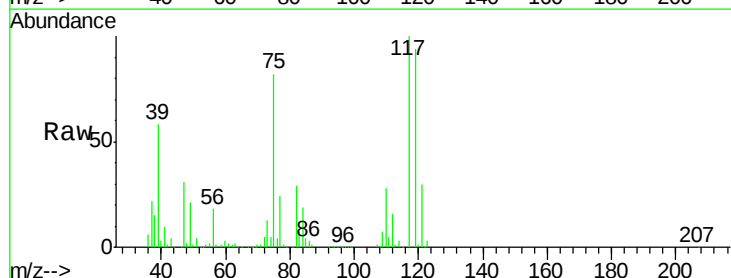
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

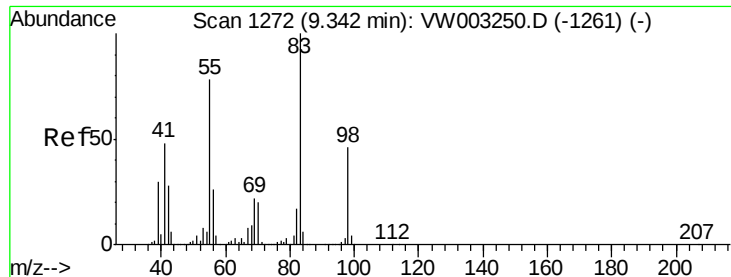
Tgt Ion: 43 Resp: 77735
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.8 16.2
 70 9.0 7.8 11.6



#38
 Carbon Tetrachloride
 Concen: 45.948 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 117 Resp: 177357
 Ion Ratio Lower Upper
 117 100
 119 94.3 76.6 115.0
 121 30.4 23.9 35.9

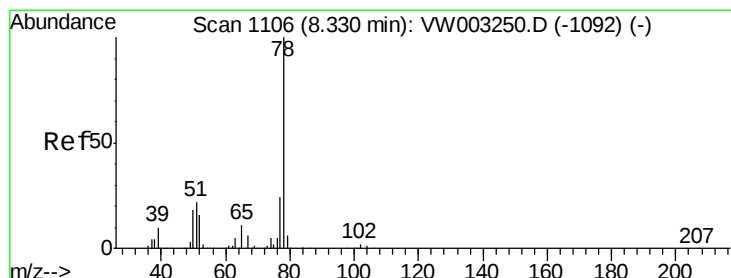
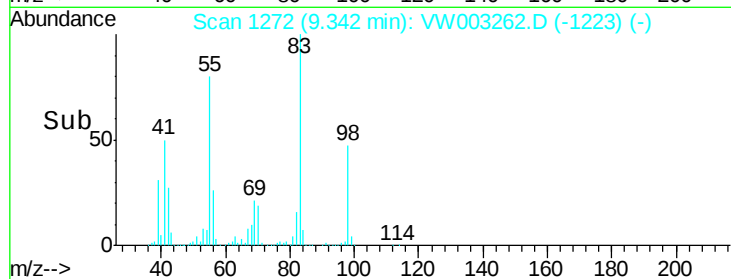
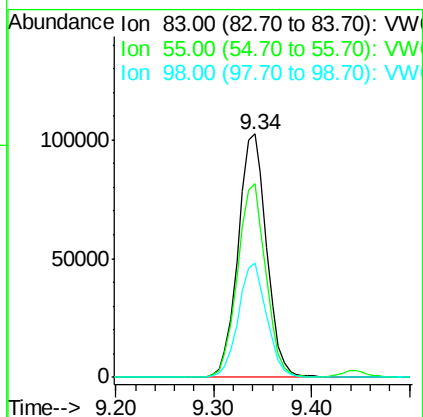
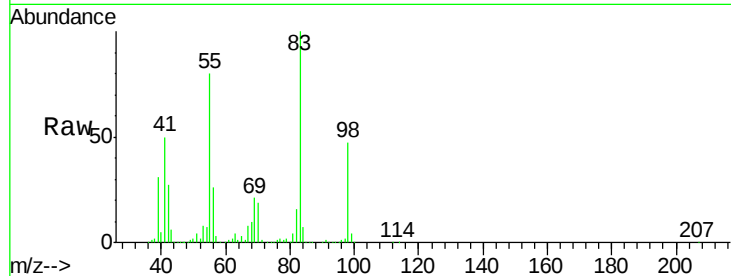




#39
Methylcyclohexane
Concen: 45.471 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

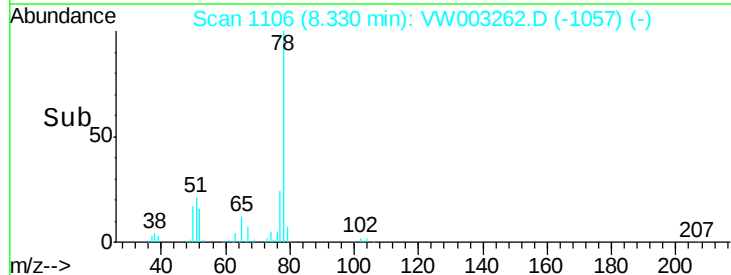
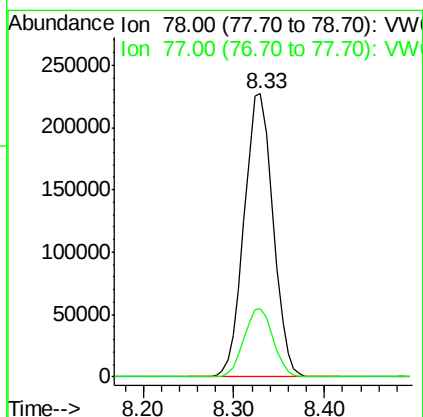
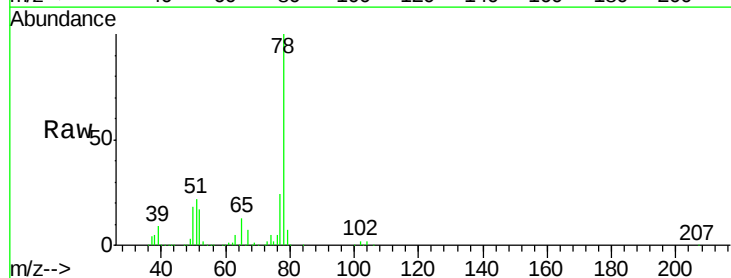
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 207043
Ion Ratio Lower Upper
83 100
55 79.5 62.6 93.8
98 47.0 37.0 55.4



#40
Benzene
Concen: 46.534 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 78 Resp: 504749
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

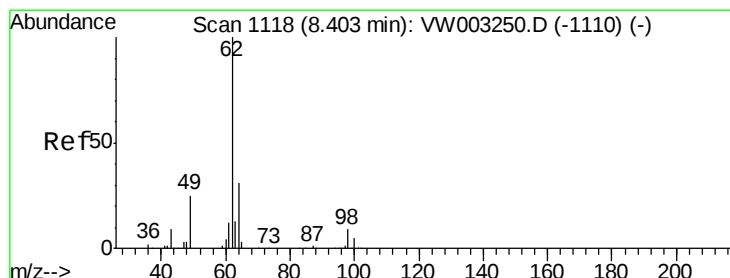
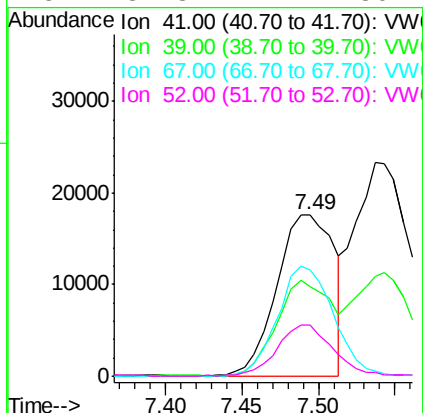
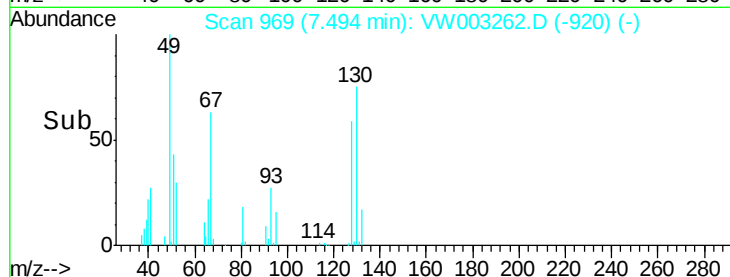
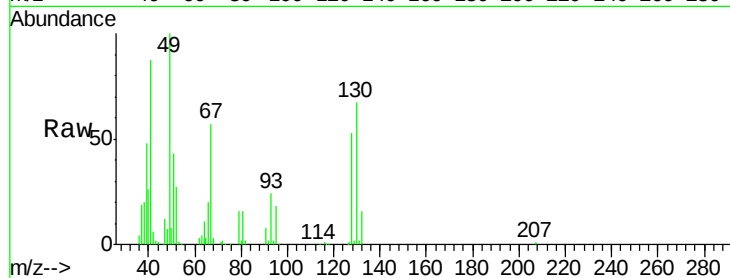




#41
Methacrylonitrile
Concen: 45.887 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

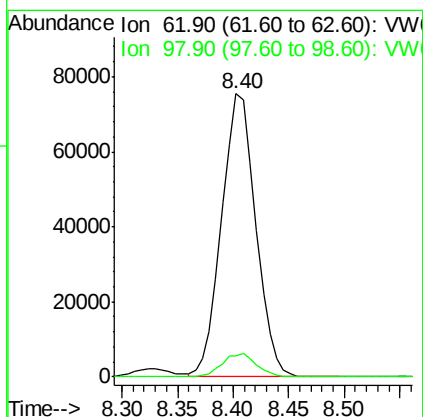
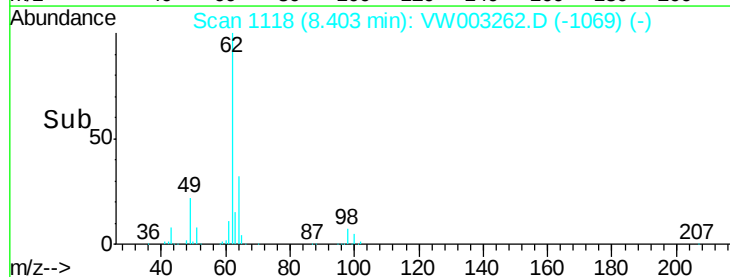
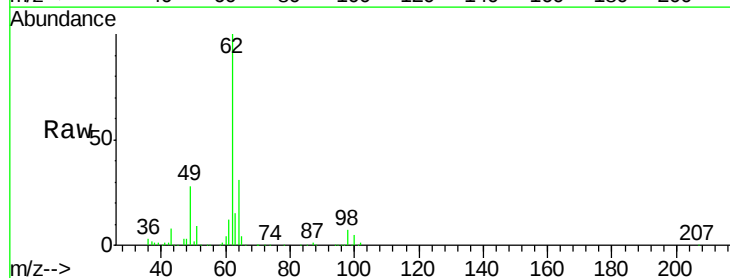
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	45905
Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.8	68.8
67	66.8	52.3	78.5
52	31.3	24.1	36.1



#42
1,2-Dichloroethane
Concen: 47.343 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion:	62	Resp:	160891
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2

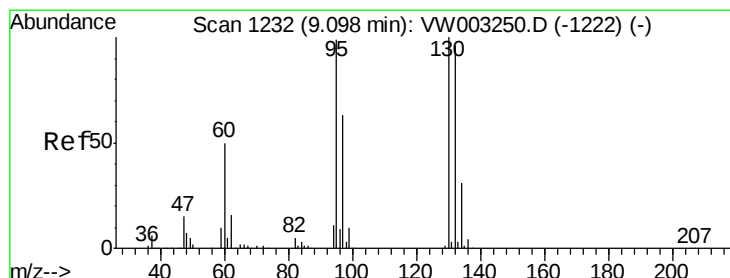
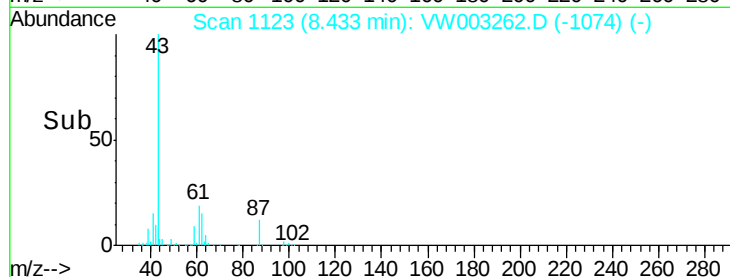
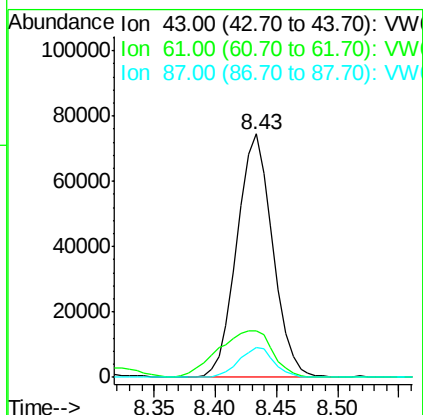
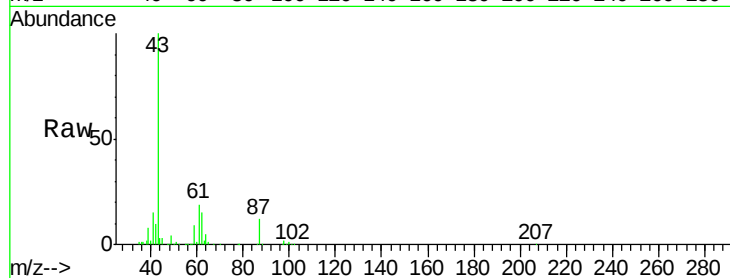




#43
Isopropyl Acetate
Concen: 46.391 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

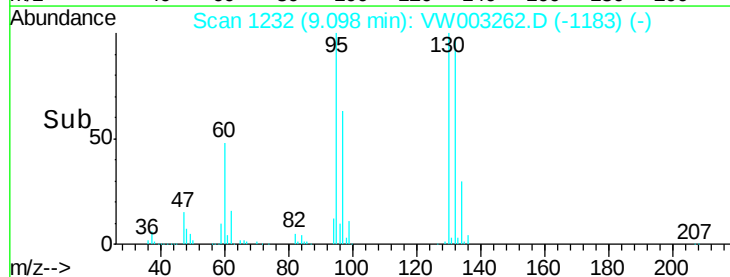
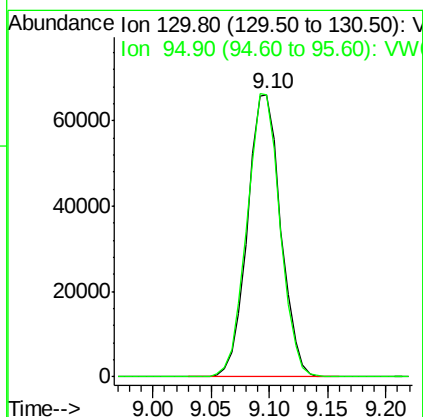
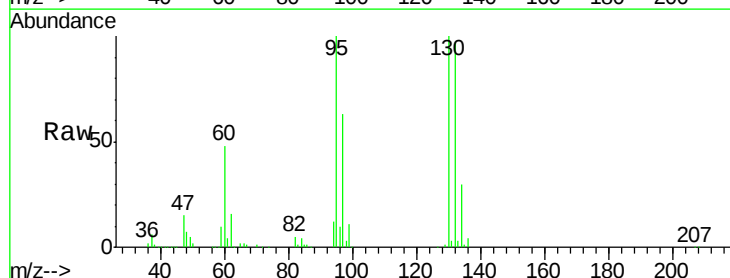
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 150171
Ion Ratio Lower Upper
43 100
61 29.6 23.1 34.7
87 12.2 9.8 14.6



#44
Trichloroethene
Concen: 45.799 ug/l
RT: 9.10 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 130 Resp: 131637
Ion Ratio Lower Upper
130 100
95 100.0 0.0 198.0

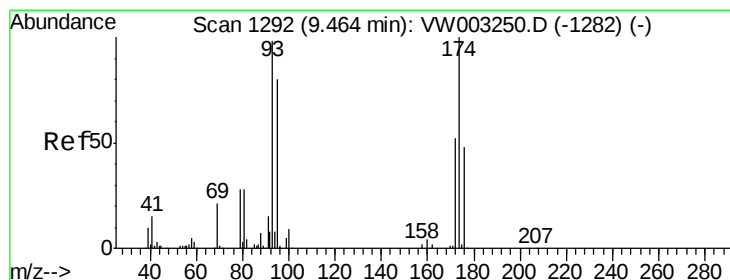
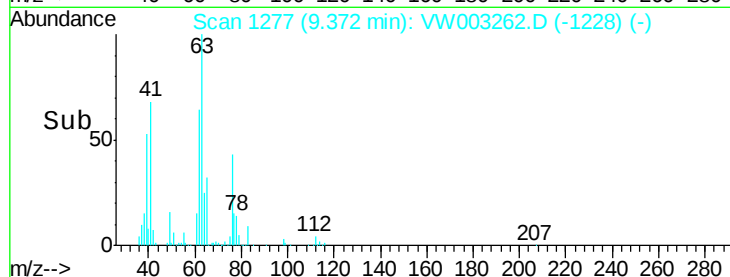
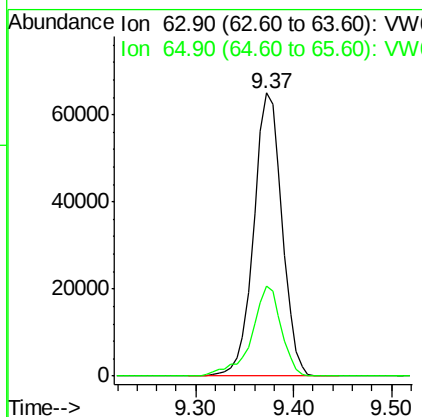
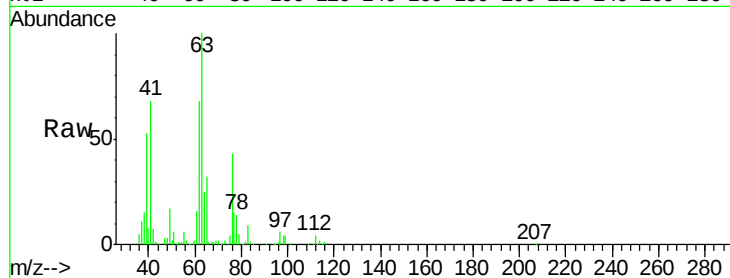




#45
 1,2-Dichloropropane
 Concen: 47.227 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

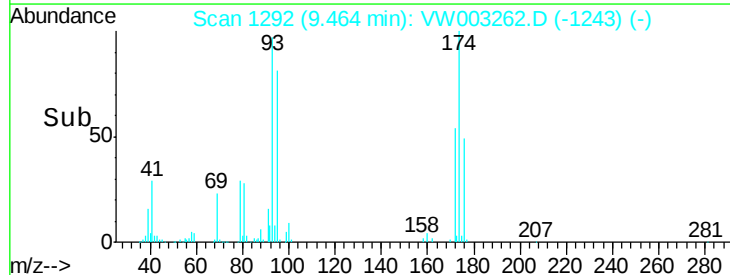
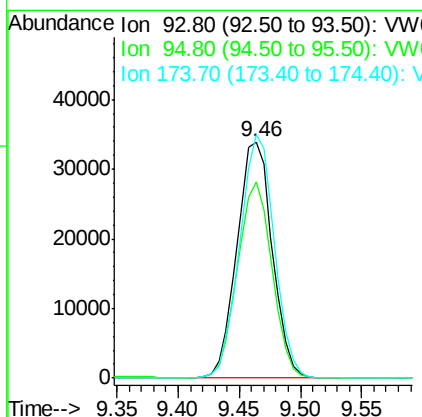
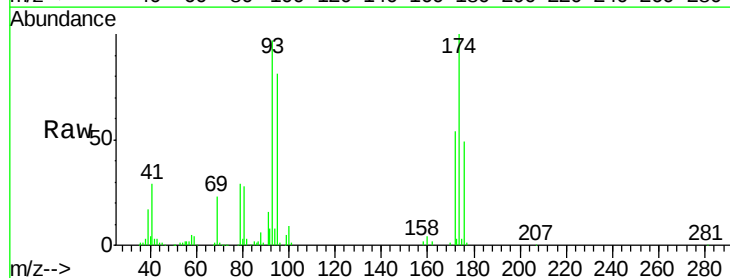
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

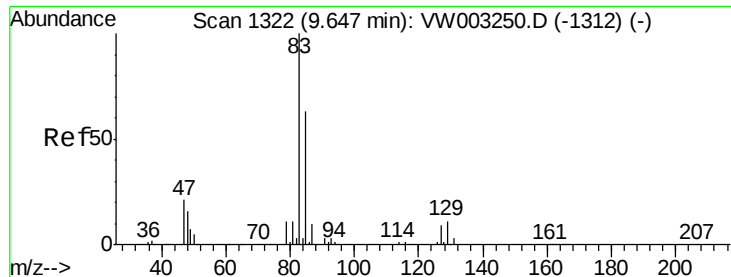
Tgt Ion: 63 Resp: 130430
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7



#46
 Dibromomethane
 Concen: 48.103 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 93 Resp: 68016
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.8 98.8
 174 101.4 81.4 122.0





#47

Bromodichloromethane

Concen: 48.366 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

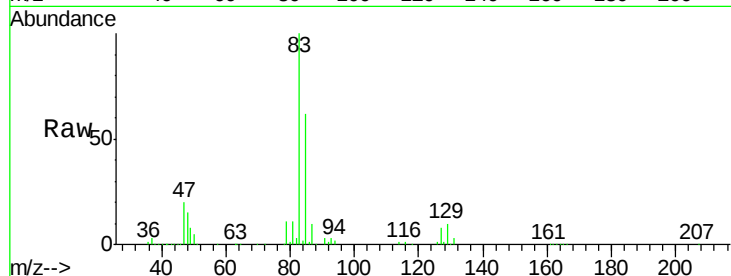
Tgt Ion: 83 Resp: 175299

Ion Ratio Lower Upper

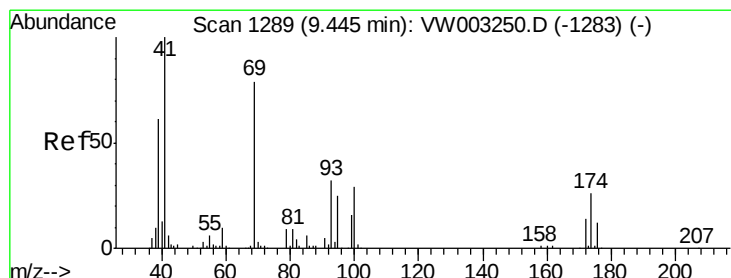
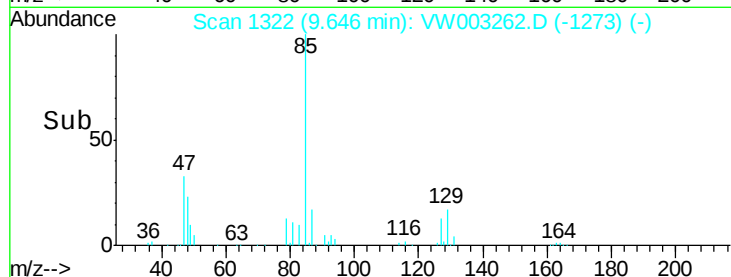
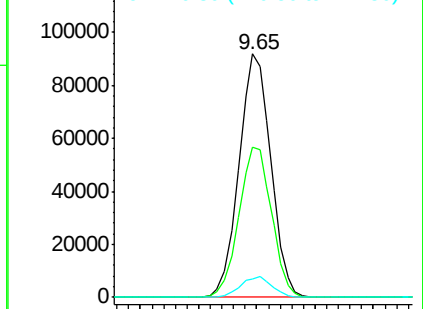
83 100

85 61.6 50.6 75.8

127 7.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.196 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

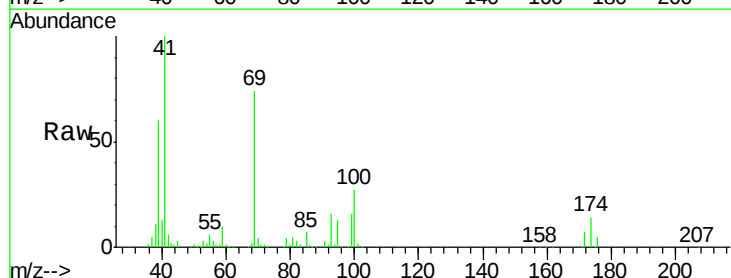
Tgt Ion: 41 Resp: 74839

Ion Ratio Lower Upper

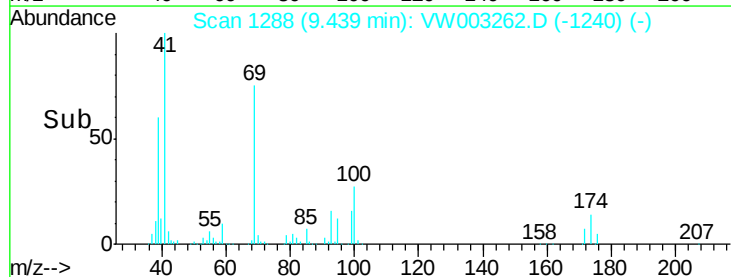
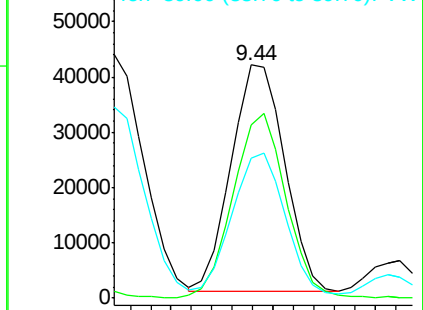
41 100

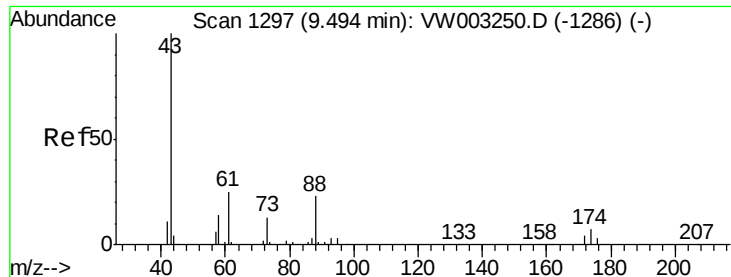
69 81.1 65.4 98.2

39 65.0 54.2 81.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

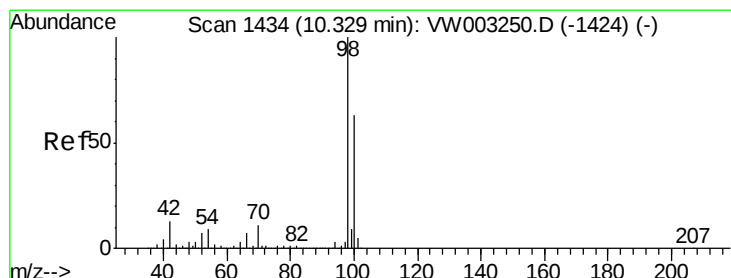
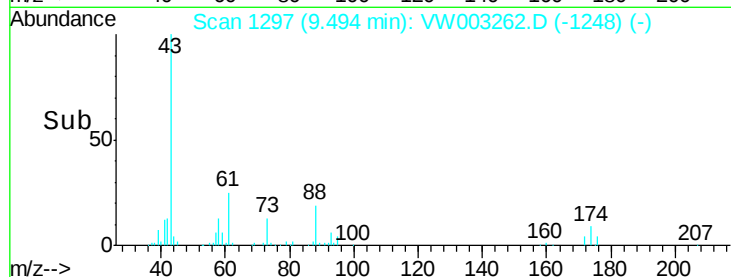
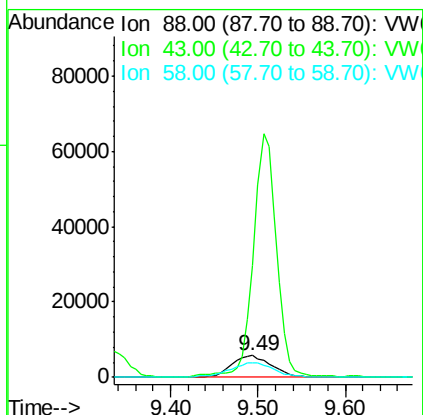
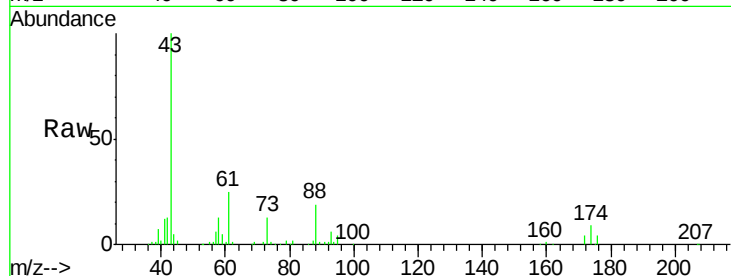




#49
1,4-Dioxane
Concen: 867.798 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

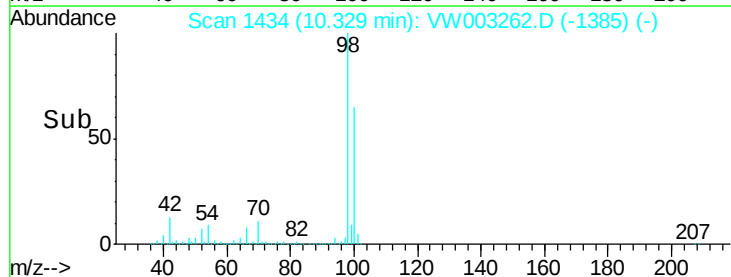
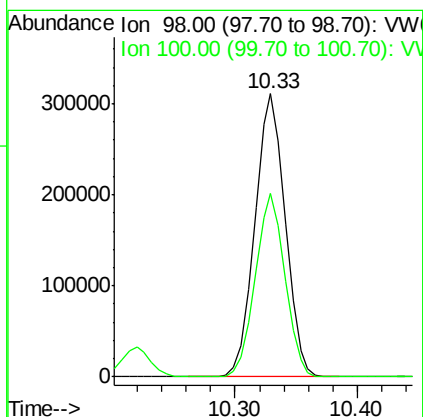
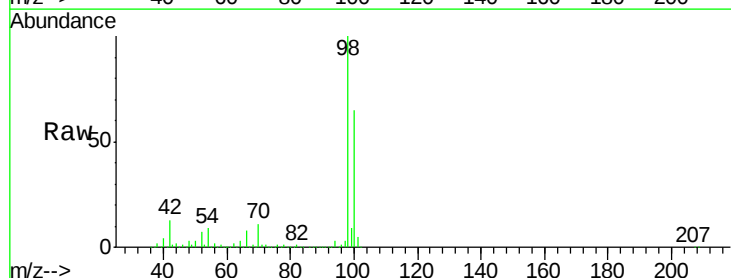
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

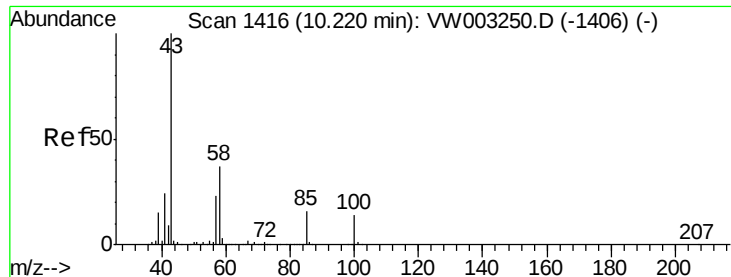
Tgt Ion: 88 Resp: 18527
Ion Ratio Lower Upper
88 100
43 643.9 454.7 682.1
58 72.6 58.6 88.0



#50
Toluene-d8
Concen: 53.469 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 98 Resp: 536810
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2

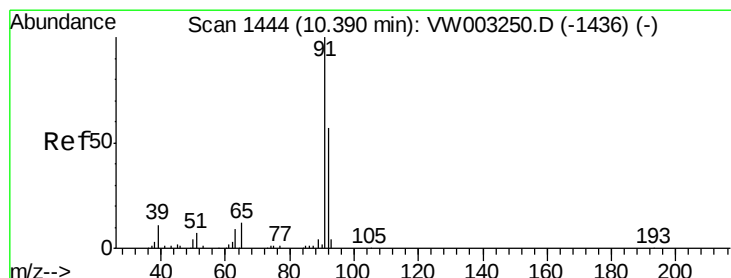
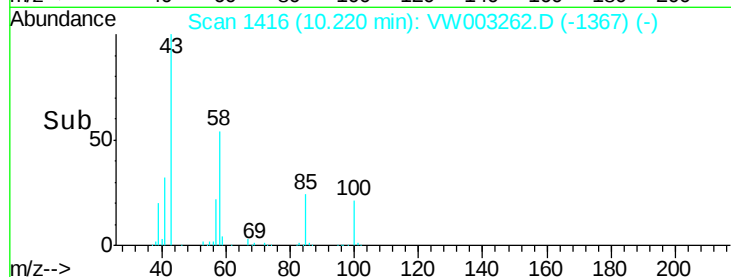
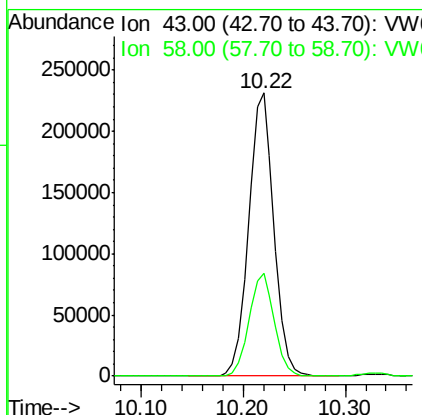
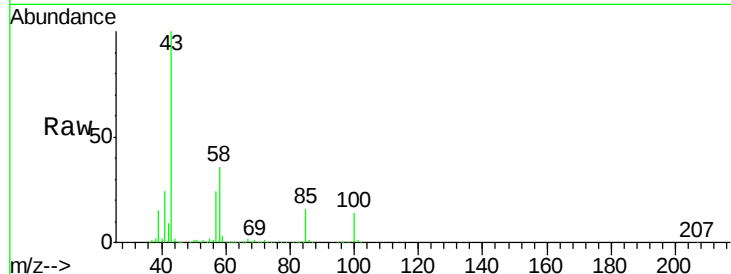




#51
 4-Methyl-2-Pentanone
 Concen: 240.074 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

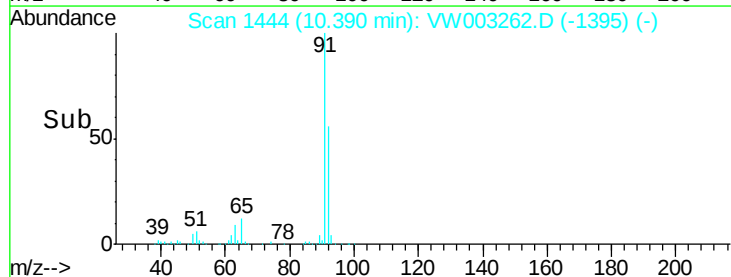
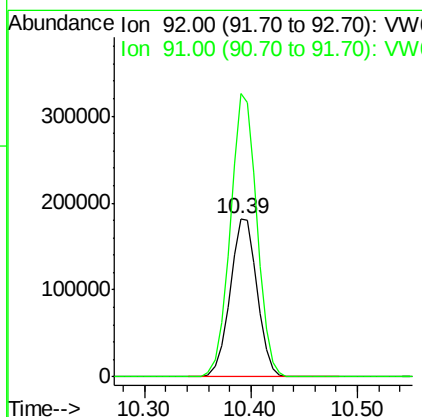
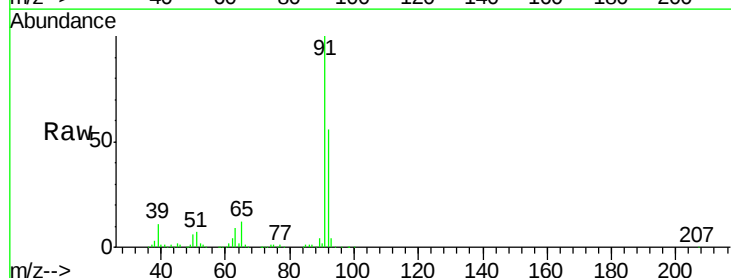
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

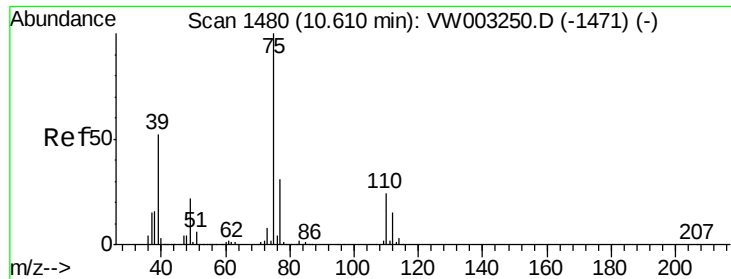
Tgt Ion: 43 Resp: 395989
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.0 43.4



#52
 Toluene
 Concen: 46.384 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 92 Resp: 322636
 Ion Ratio Lower Upper
 92 100
 91 176.1 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 48.028 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

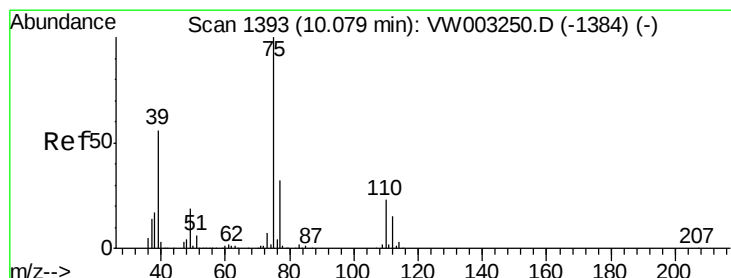
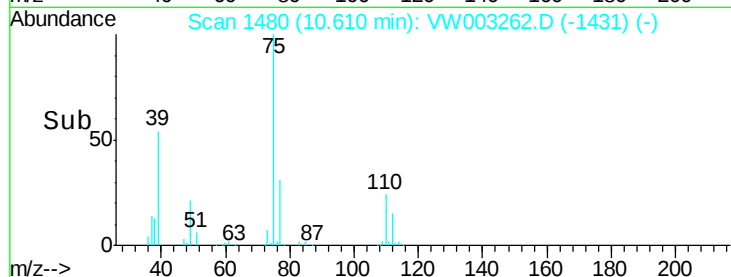
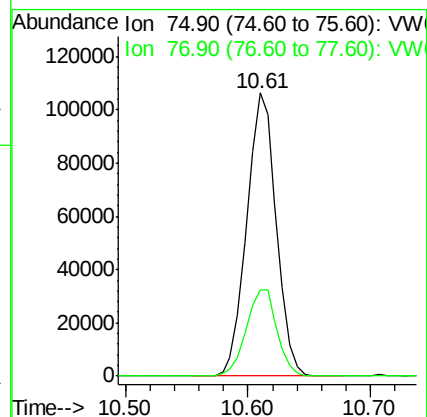
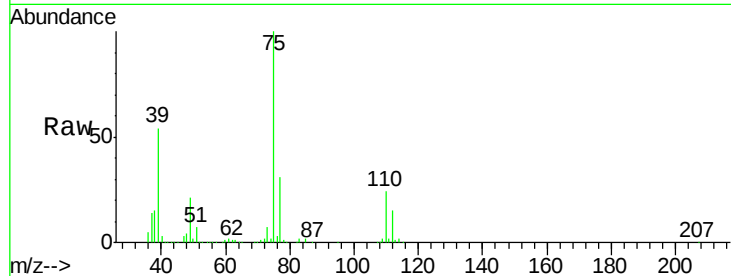
VSTDCCC050

Tgt Ion: 75 Resp: 177817

Ion Ratio Lower Upper

75 100

77 30.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 47.817 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

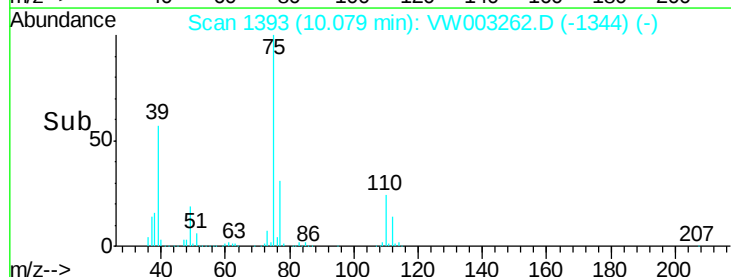
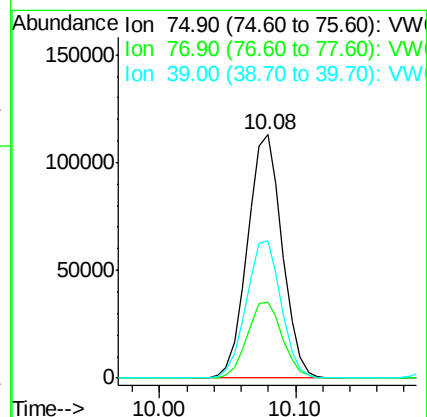
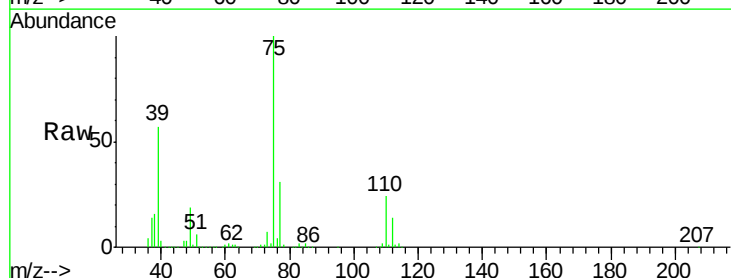
Tgt Ion: 75 Resp: 201495

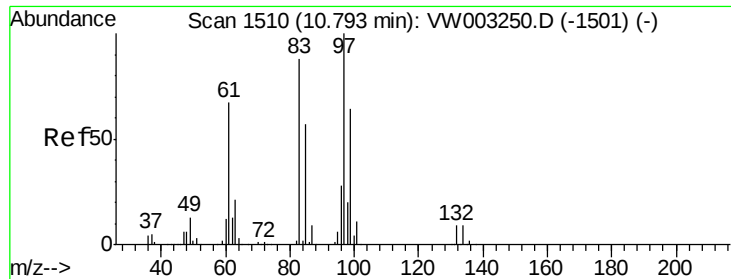
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 56.6 45.2 67.8

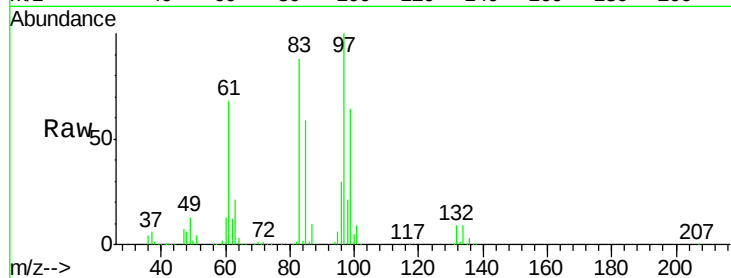




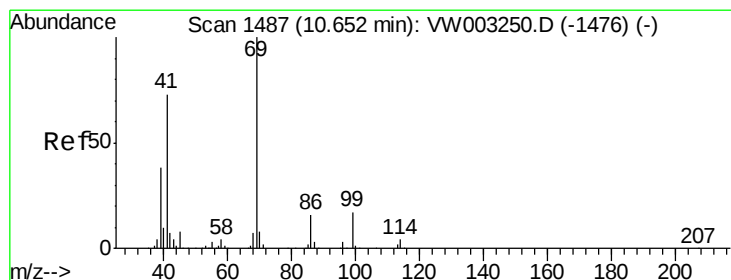
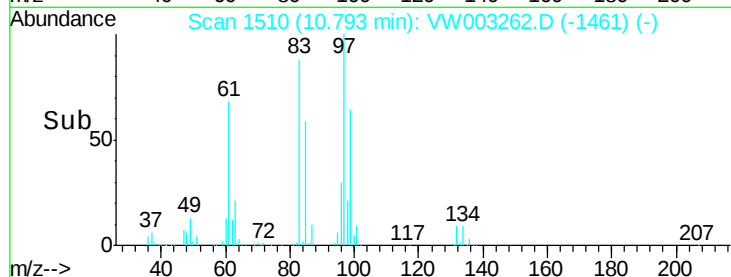
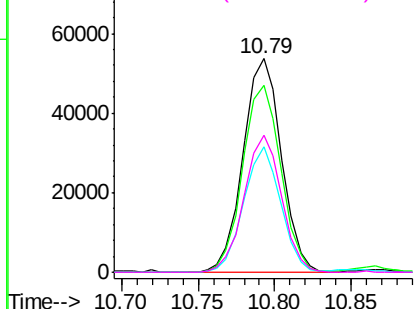
#55
 1,1,2-Trichloroethane
 Concen: 46.930 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 93507
 Ion Ratio Lower Upper
 97 100
 83 87.7 70.2 105.2
 85 59.0 45.6 68.4
 99 64.3 51.2 76.8

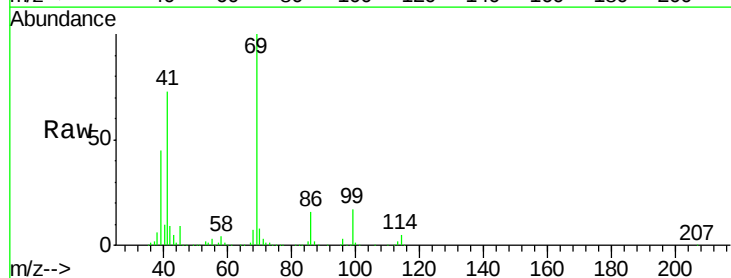


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

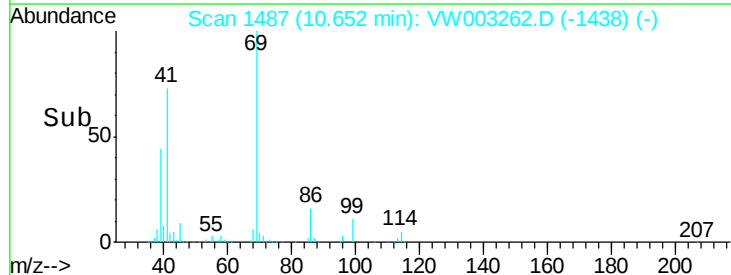
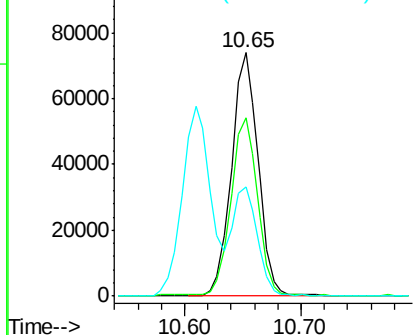


#56
 Ethyl methacrylate
 Concen: 48.613 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 69 Resp: 117621
 Ion Ratio Lower Upper
 69 100
 41 73.3 57.8 86.6
 39 41.5 32.7 49.1



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

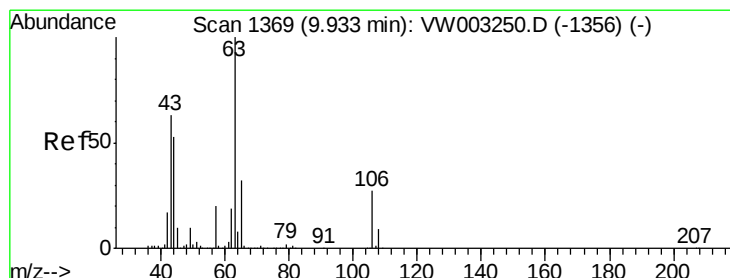
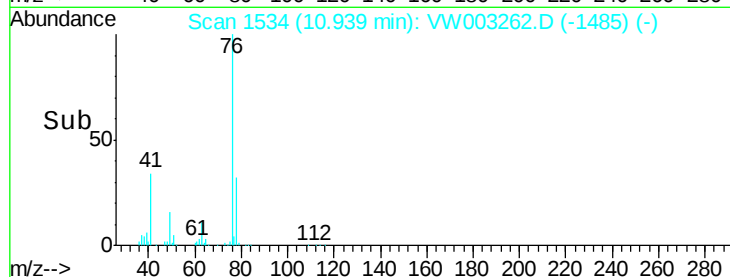
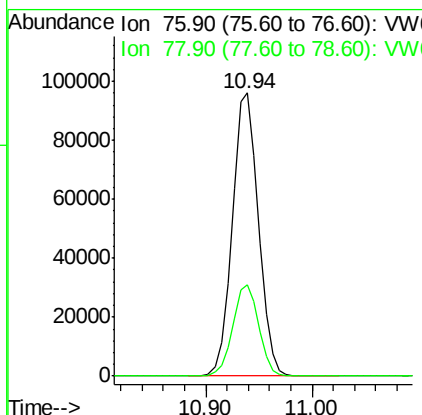
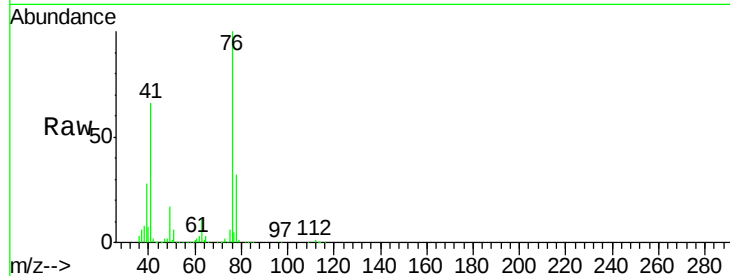




#57
 1,3-Dichloropropane
 Concen: 48.070 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

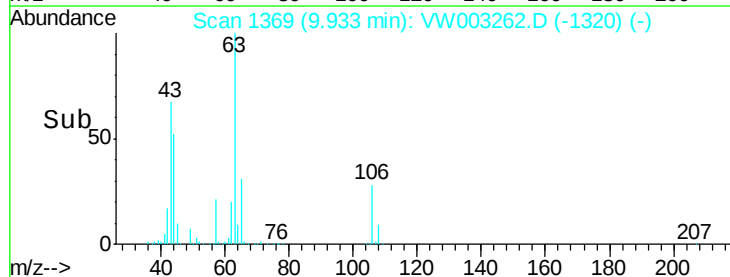
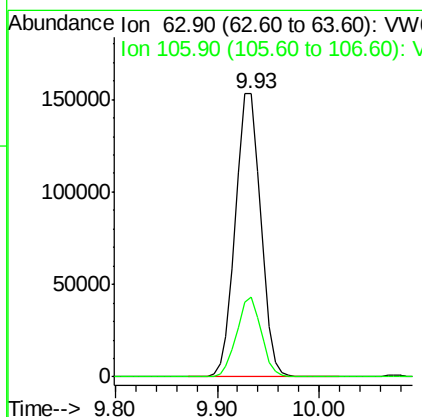
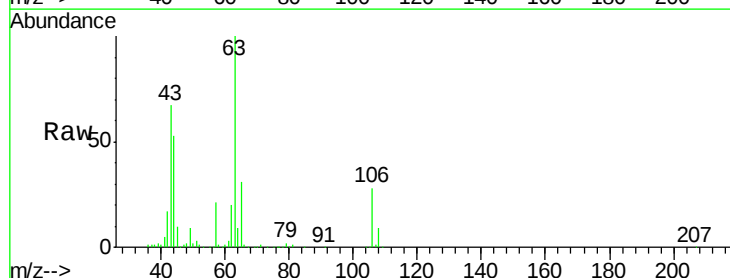
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

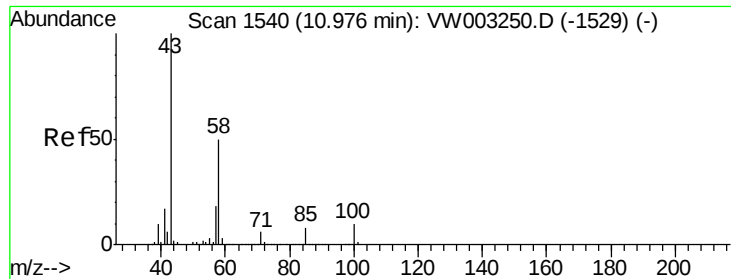
Tgt Ion: 76 Resp: 165191
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.678 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 63 Resp: 263216
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8

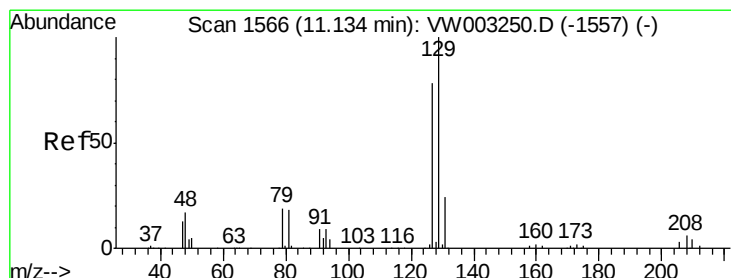
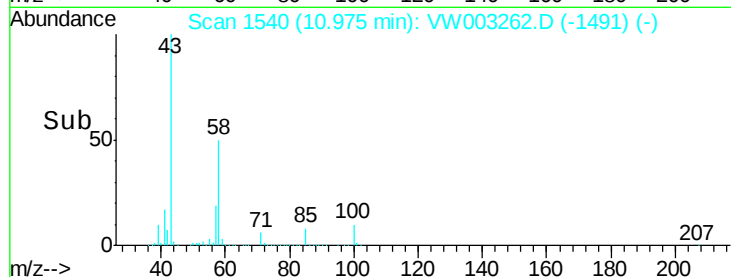
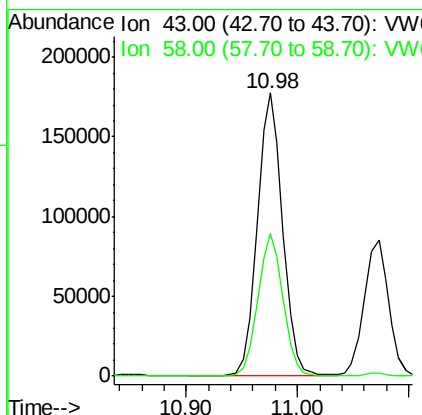
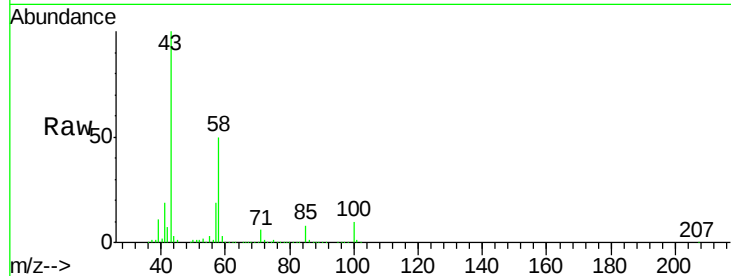




#59
2-Hexanone
Concen: 243.362 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

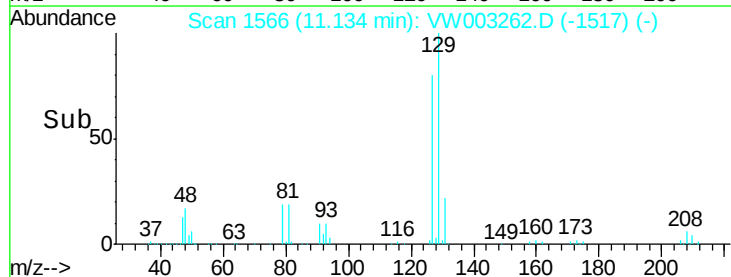
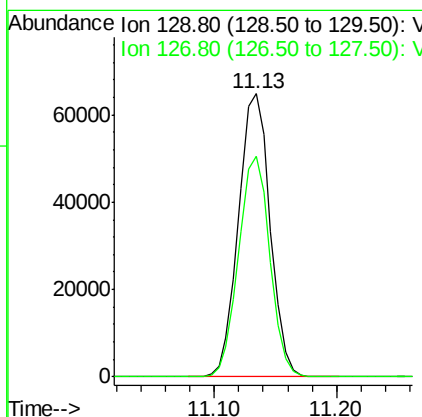
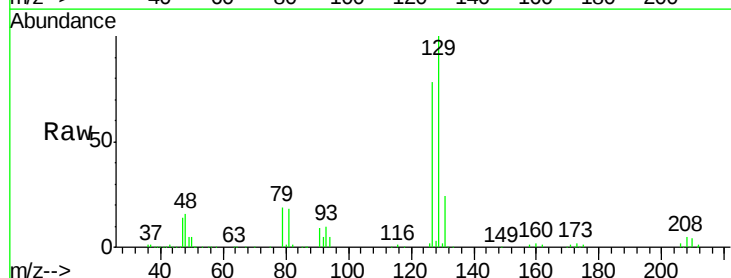
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

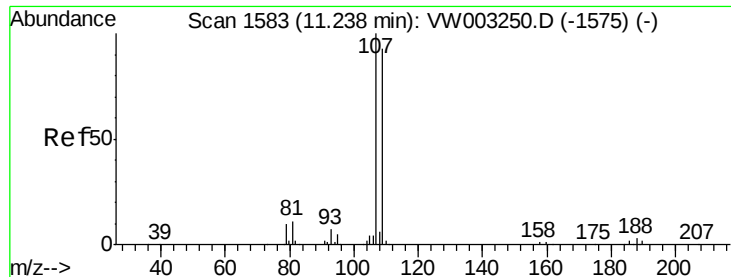
Tgt Ion: 43 Resp: 280422
Ion Ratio Lower Upper
43 100
58 50.1 25.0 75.0



#60
Dibromochloromethane
Concen: 49.061 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 129 Resp: 116249
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.5

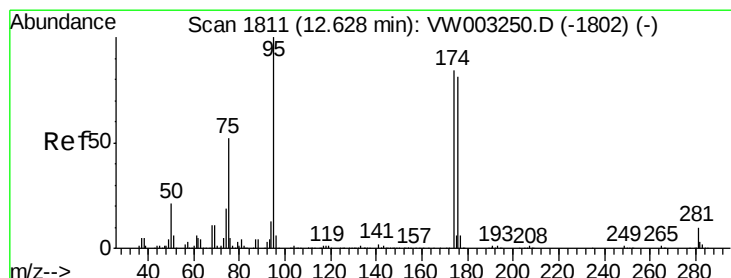
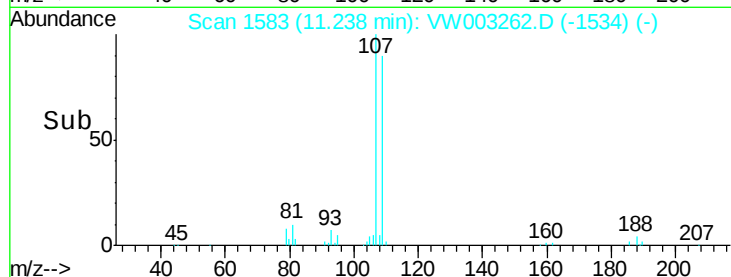
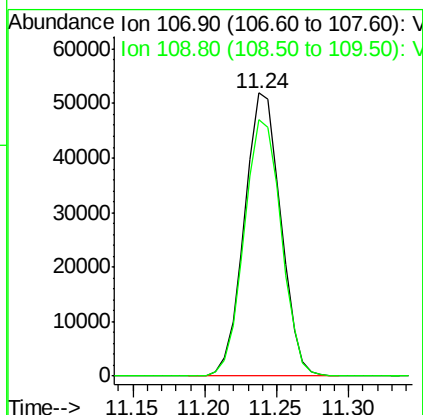
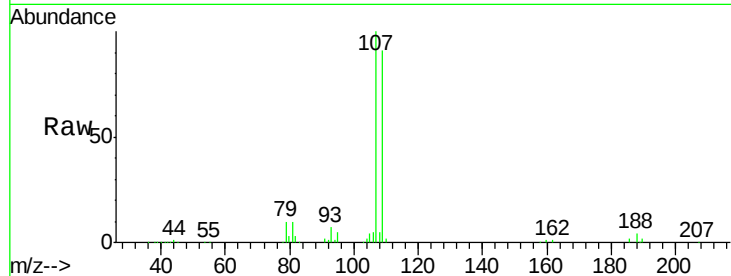




#61
 1,2-Dibromoethane
 Concen: 48.052 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

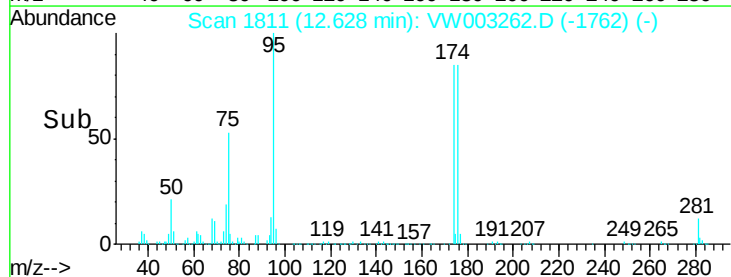
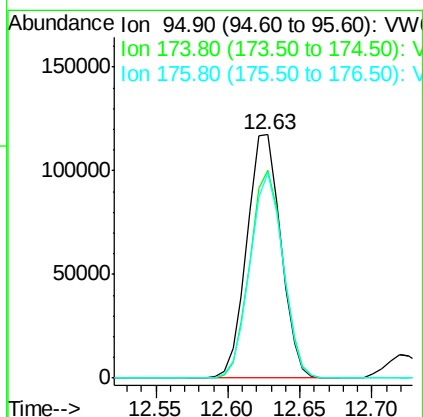
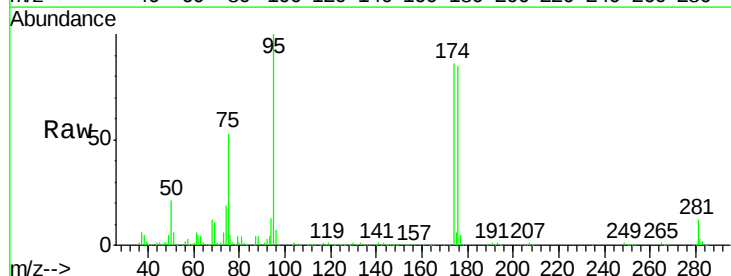
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

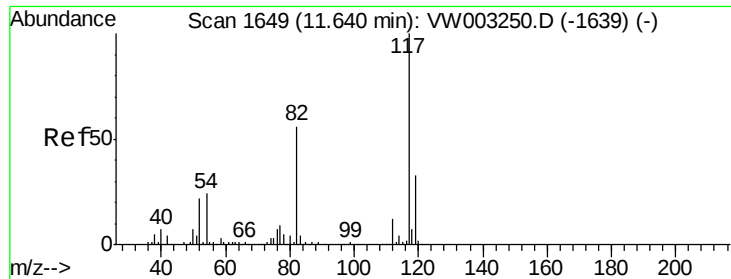
Tgt Ion: 107 Resp: 90564
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 53.947 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 95 Resp: 191671
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 166.4
 176 81.7 0.0 162.0

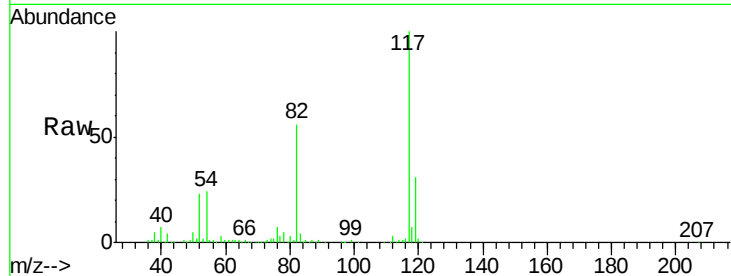




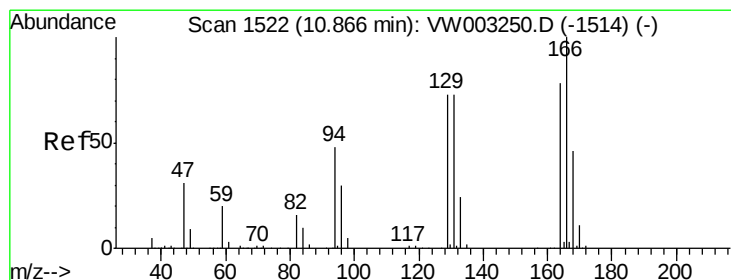
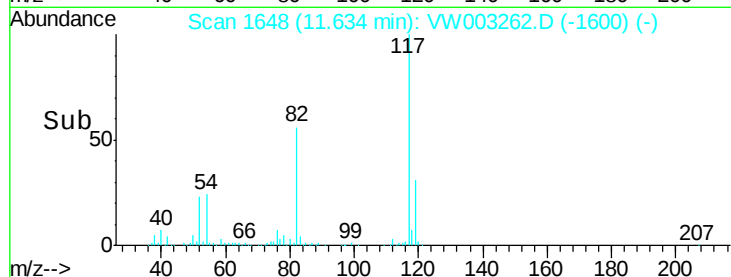
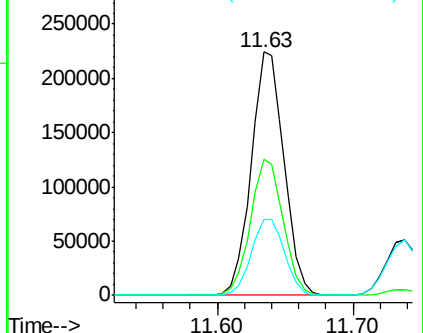
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 378792
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
119 31.4 26.7 40.1

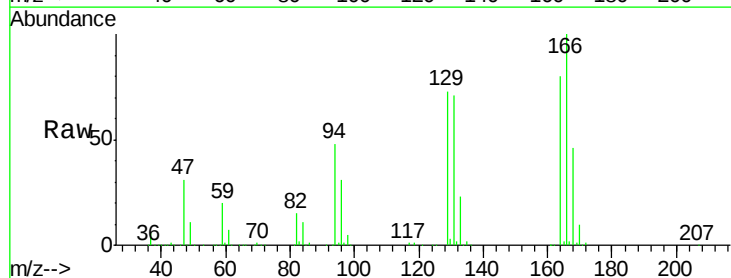


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

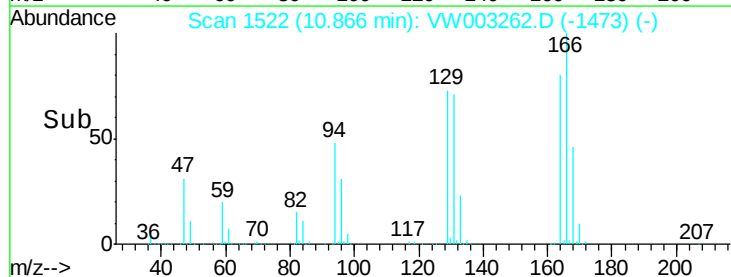
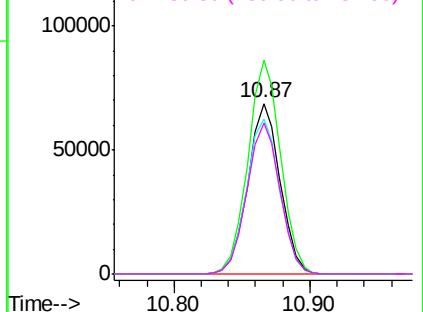


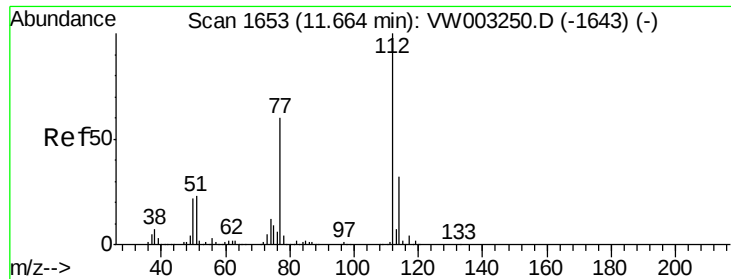
#64
Tetrachloroethene
Concen: 45.150 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion:164 Resp: 114390
Ion Ratio Lower Upper
164 100
166 125.2 102.6 154.0
129 91.0 75.2 112.8
131 88.4 75.0 112.4



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





#65

Chlorobenzene

Concen: 45.330 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

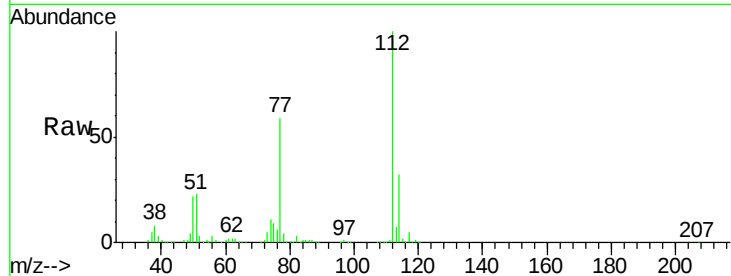
VSTDCCC050

Tgt Ion:112 Resp: 357562

Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

50000

0

11.66

11.67

11.68

11.69

11.70

11.71

11.72

11.73

11.74

11.75

11.76

11.77

11.78

11.79

11.80

11.81

11.82

11.83

11.84

11.85

11.86

11.87

11.88

11.89

11.90

11.91

11.92

11.93

11.94

11.95

11.96

11.97

11.98

11.99

12.00

12.01

12.02

12.03

12.04

12.05

12.06

12.07

12.08

12.09

12.10

12.11

12.12

12.13

12.14

12.15

12.16

12.17

12.18

12.19

12.20

12.21

12.22

12.23

12.24

12.25

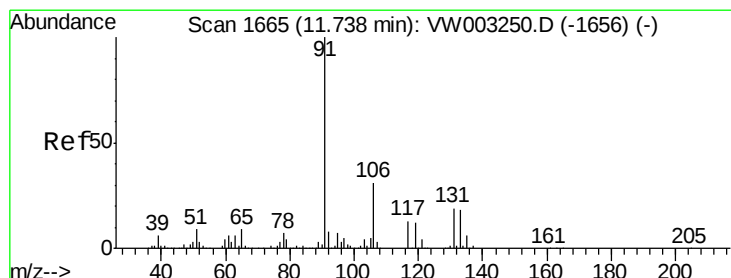
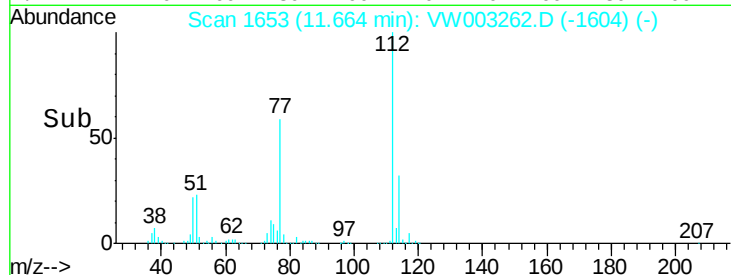
12.26

12.27

12.28

12.29

12.30



#66

1,1,1,2-Tetrachloroethane

Concen: 46.174 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

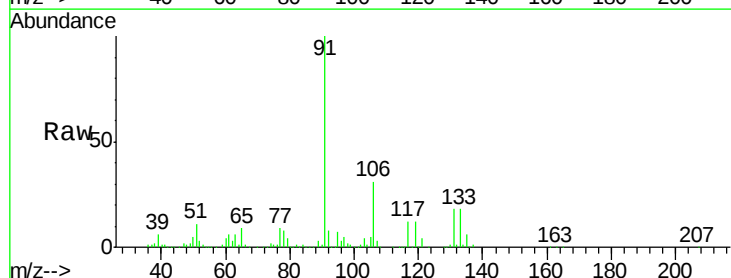
Tgt Ion:131 Resp: 127995

Ion Ratio Lower Upper

131 100

133 95.2 47.3 142.0

119 65.8 32.5 97.4



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

100000

80000

60000

40000

20000

0

11.74

11.75

11.76

11.77

11.78

11.79

11.80

11.81

11.82

11.83

11.84

11.85

11.86

11.87

11.88

11.89

11.90

11.91

11.92

11.93

11.94

11.95

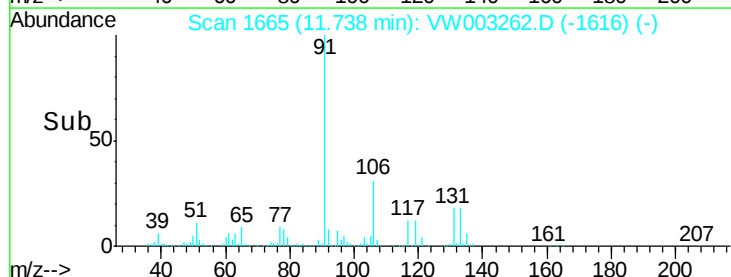
11.96

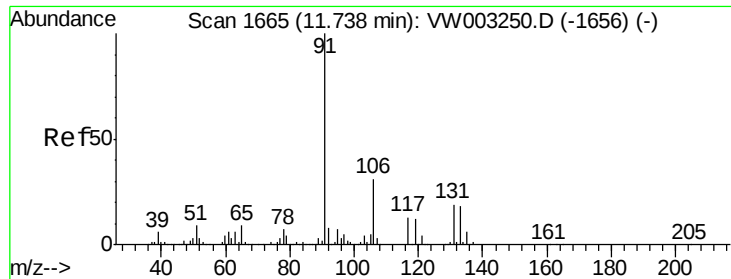
11.97

11.98

11.99

12.00

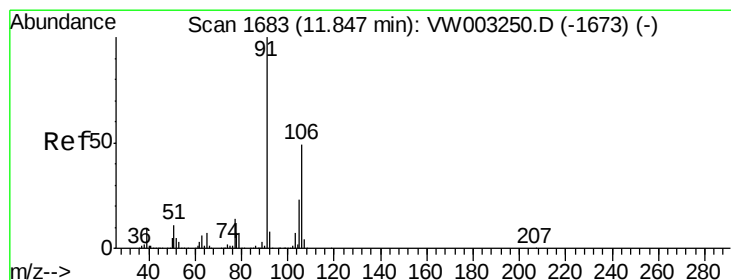
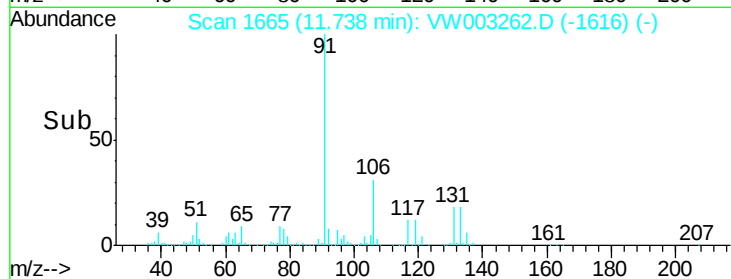
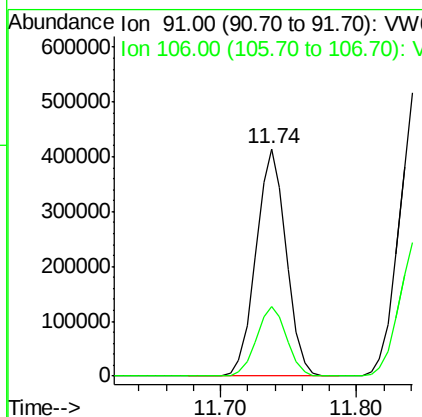
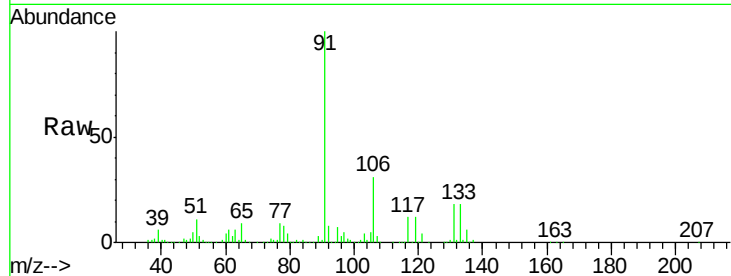




#67
Ethyl Benzene
Concen: 46.179 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

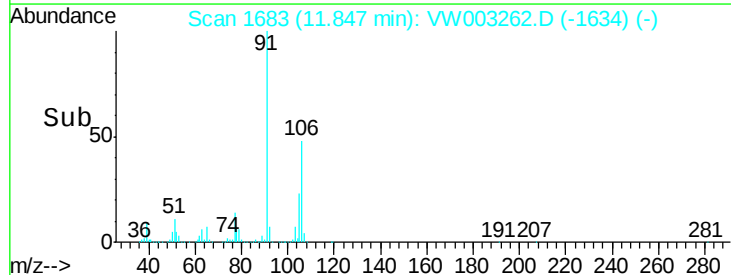
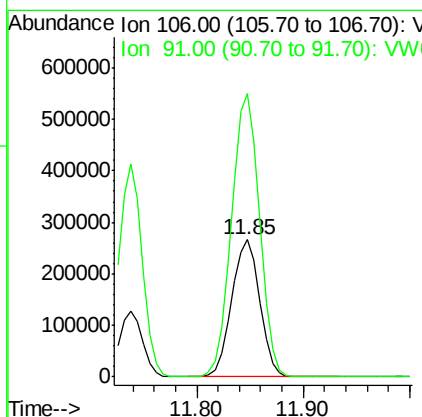
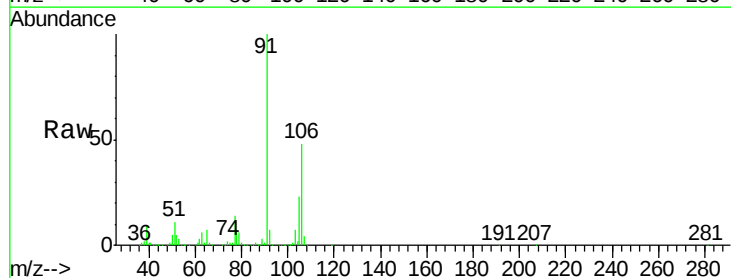
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

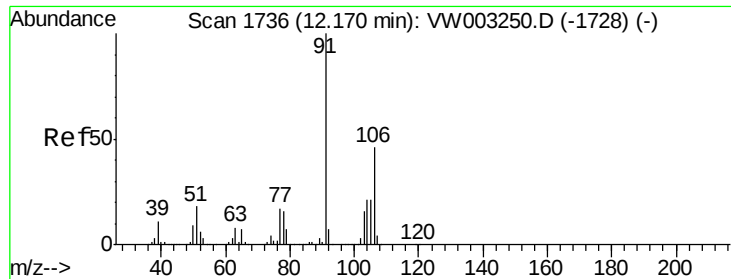
Tgt Ion: 91 Resp: 645694
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 92.571 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 106 Resp: 492042
Ion Ratio Lower Upper
106 100
91 206.0 165.4 248.0

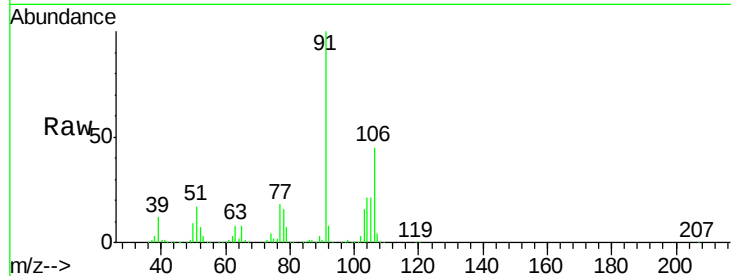




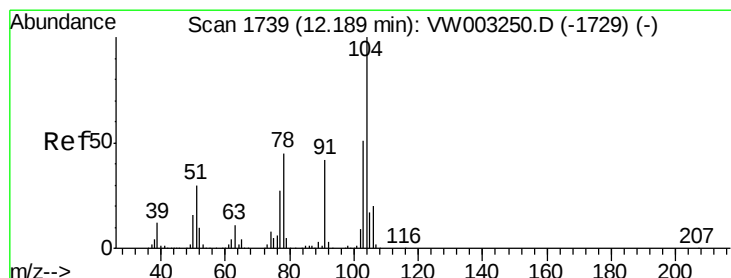
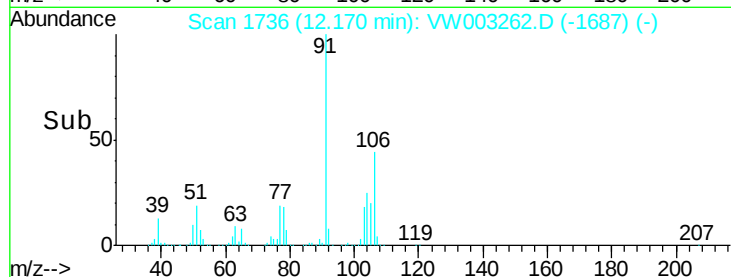
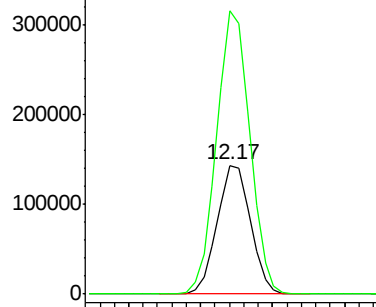
#69
o-Xylene
Concen: 46.704 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 230065
Ion Ratio Lower Upper
106 100
91 218.8 108.6 325.6

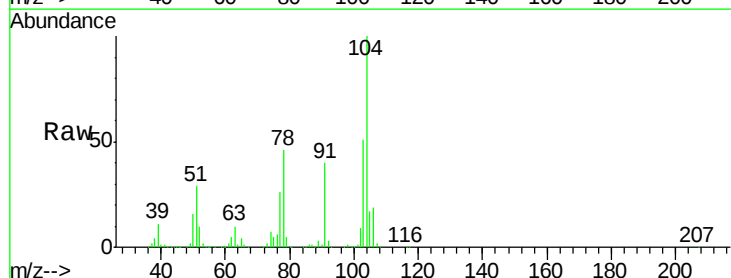


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

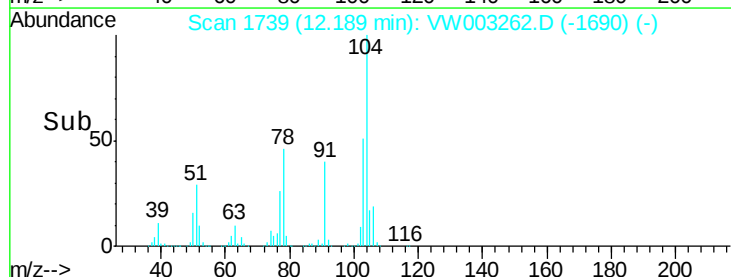
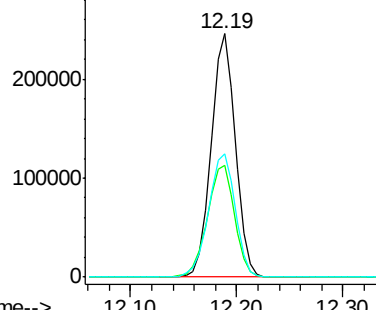


#70
Styrene
Concen: 47.974 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003262.D
Acq: 14 Jun 2018 18:49

Tgt Ion:104 Resp: 393357
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 55.9 45.0 67.4



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





#71

Bromoform

Concen: 47.368 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

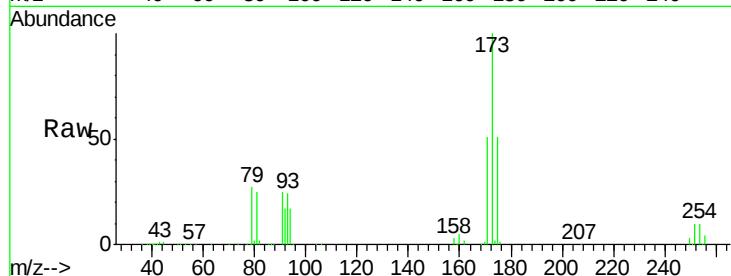
Tgt Ion:173 Resp: 68051

Ion Ratio Lower Upper

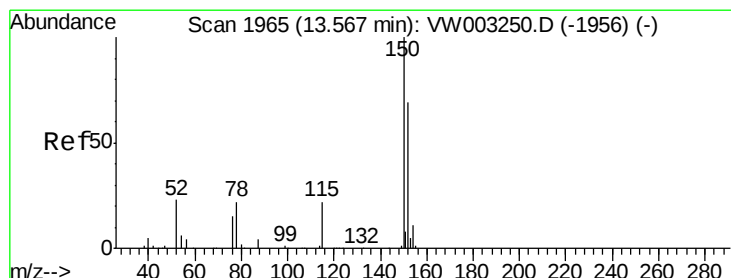
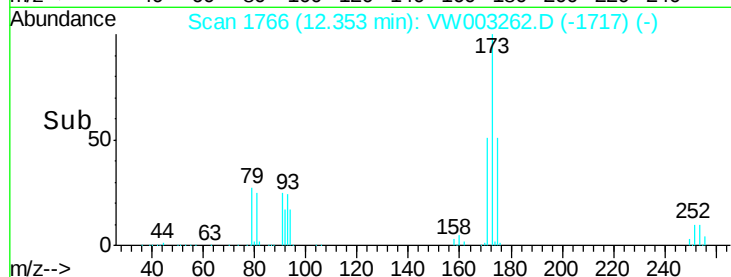
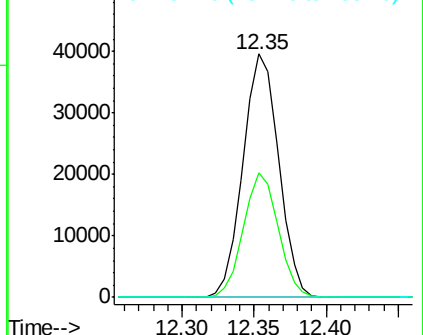
173 100

175 49.5 24.4 73.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

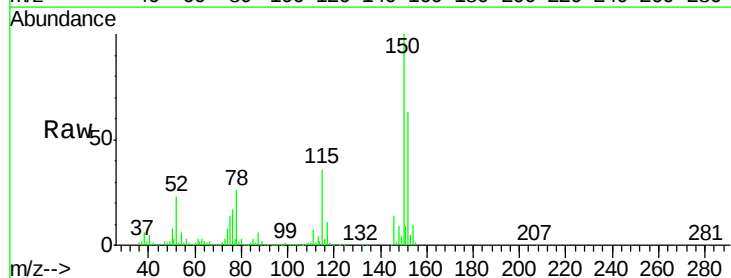
Tgt Ion:152 Resp: 204949

Ion Ratio Lower Upper

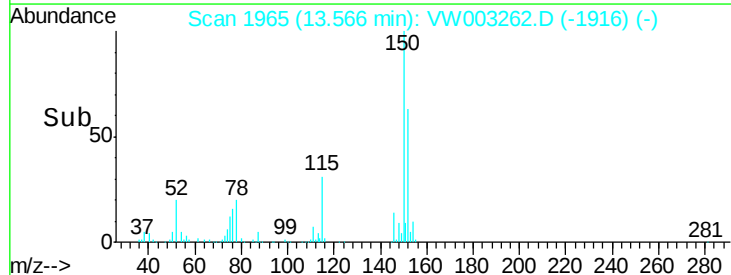
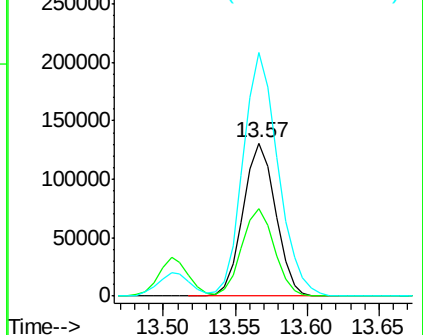
152 100

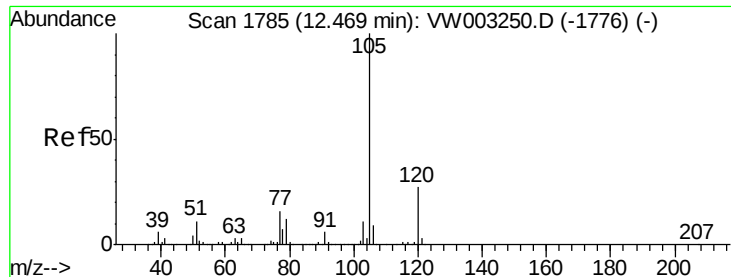
115 57.1 29.3 88.0

150 171.7 0.0 349.6



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: 45.490 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

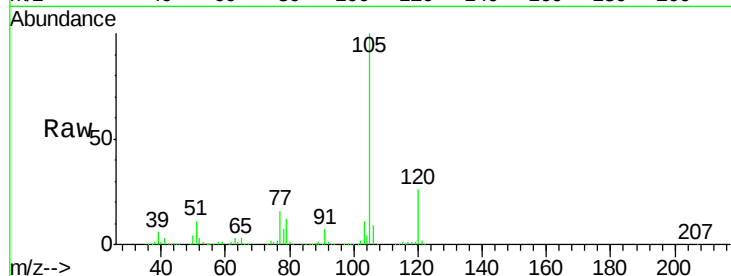
VSTDCCC050

Tgt Ion:105 Resp: 648469

Ion Ratio Lower Upper

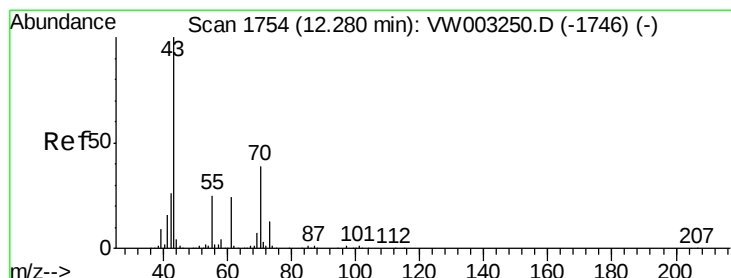
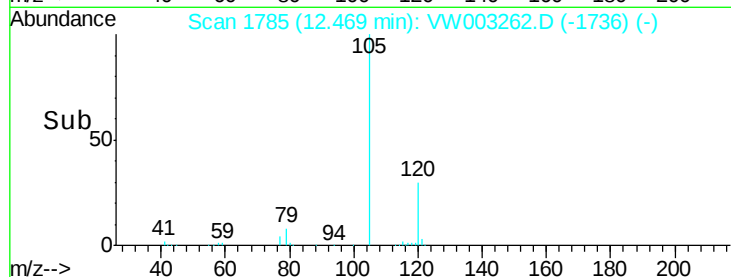
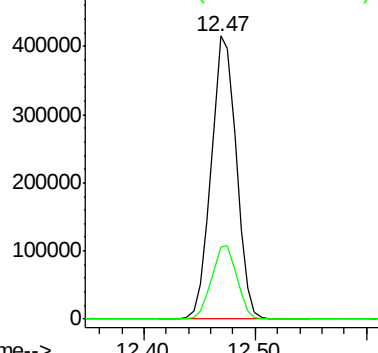
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.296 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Tgt Ion: 43 Resp: 150214

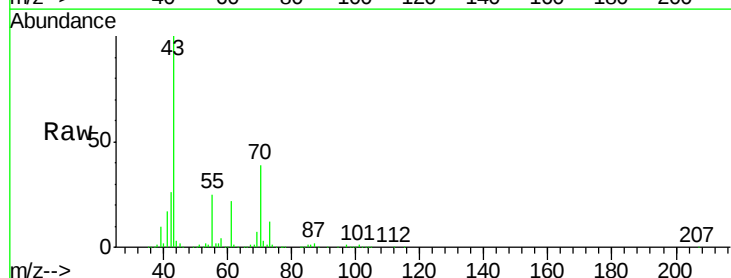
Ion Ratio Lower Upper

43 100

70 38.8 31.0 46.6

55 24.8 19.7 29.5

61 22.6 18.1 27.1

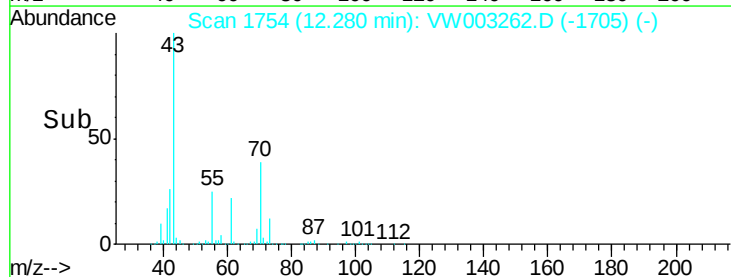
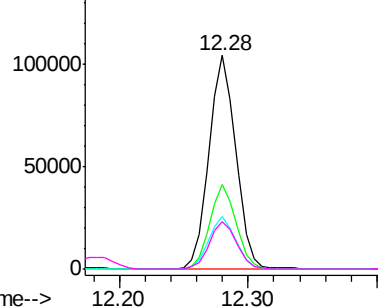


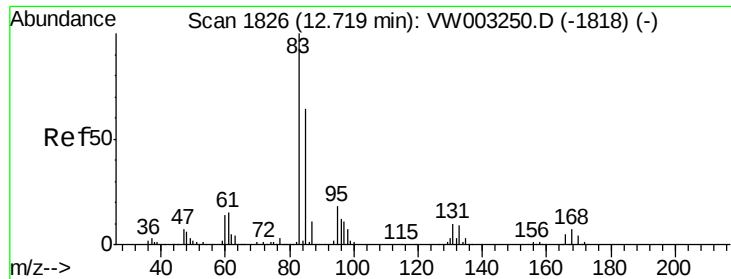
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 45.961 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

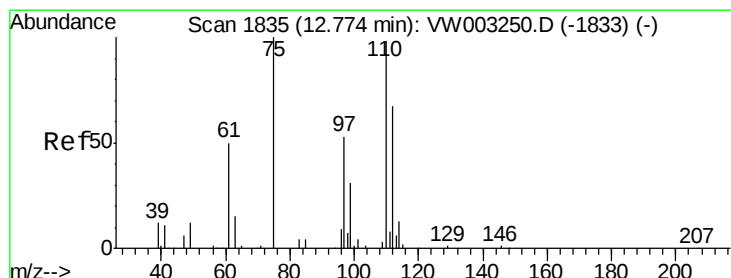
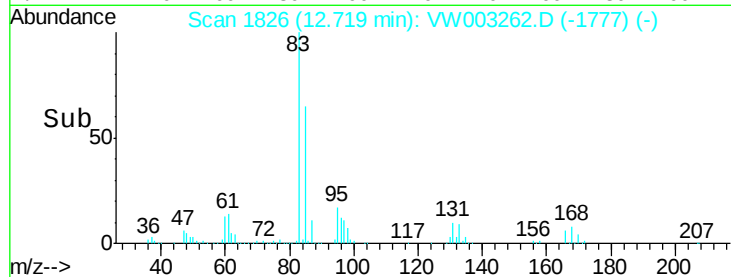
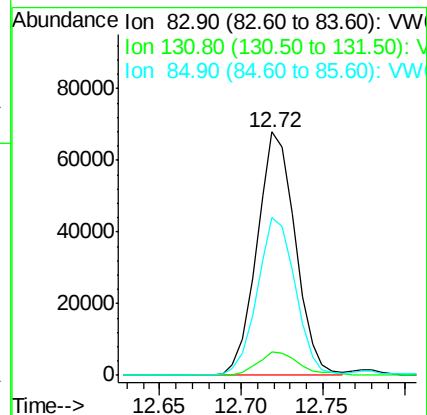
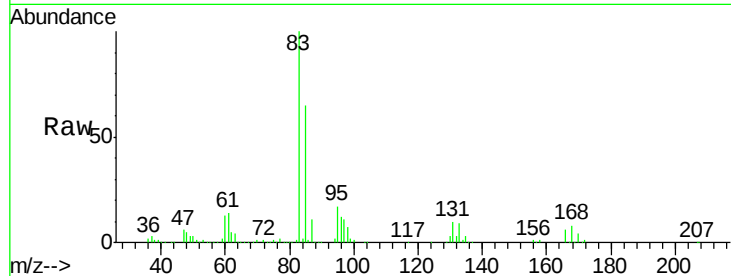
Tgt Ion: 83 Resp: 110841

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

85 64.3 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 86.553 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003262.D

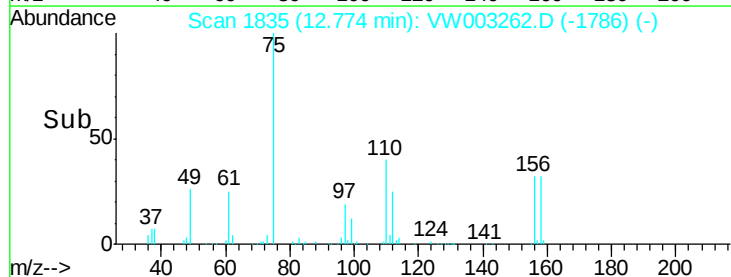
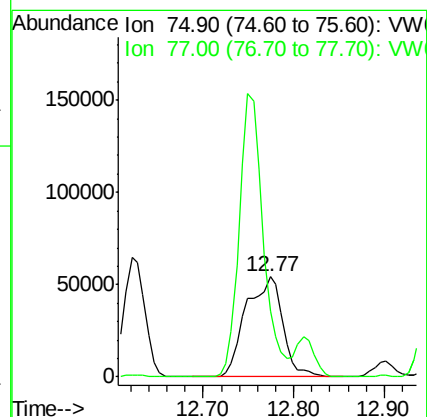
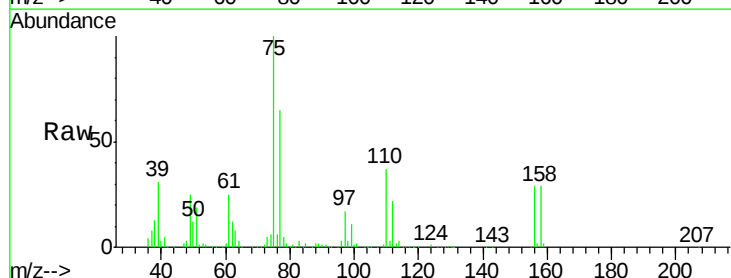
Acq: 14 Jun 2018 18:49

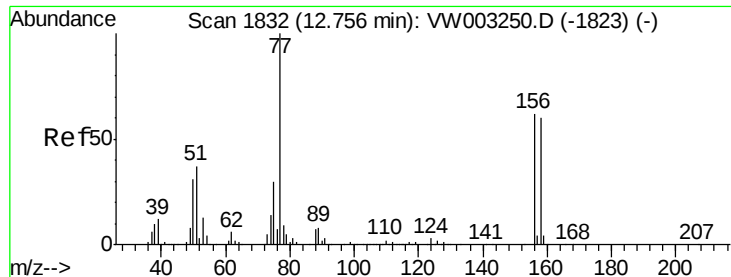
Tgt Ion: 75 Resp: 151647

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.848 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

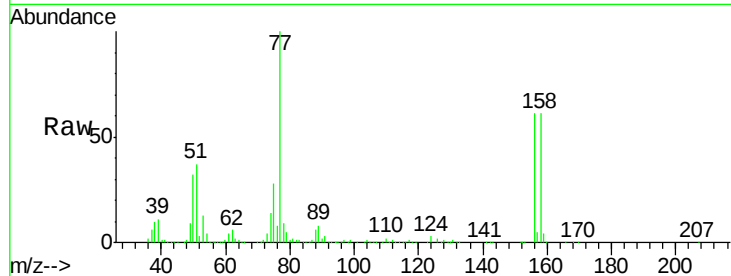
Tgt Ion:156 Resp: 148890

Ion Ratio Lower Upper

156 100

77 189.5 92.3 276.9

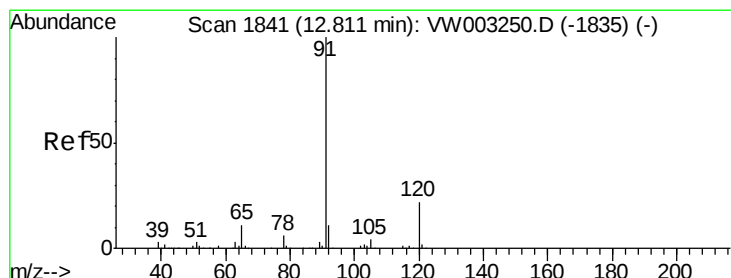
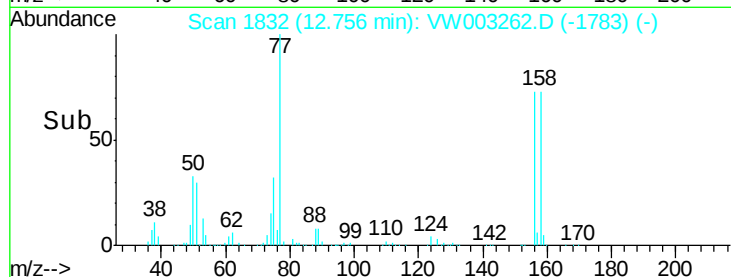
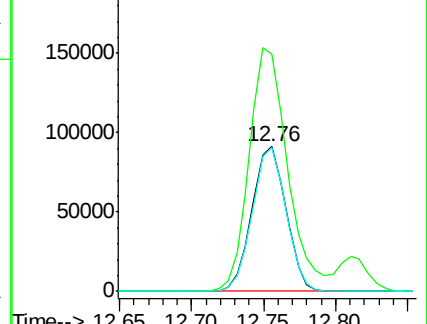
158 98.5 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.641 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003262.D

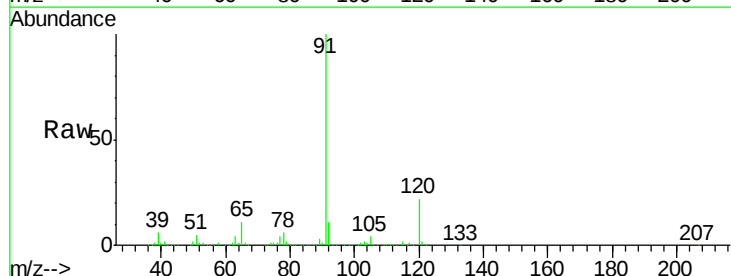
Acq: 14 Jun 2018 18:49

Tgt Ion: 91 Resp: 796666

Ion Ratio Lower Upper

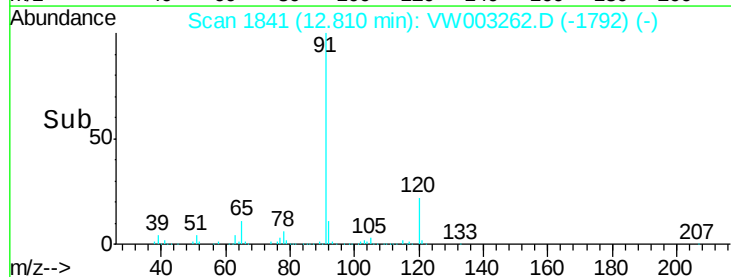
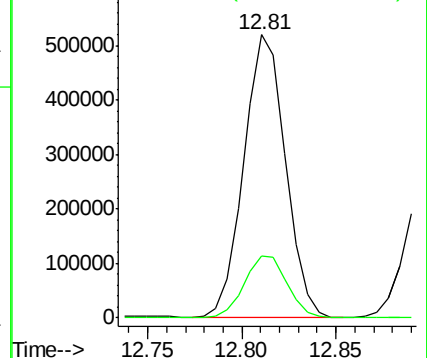
91 100

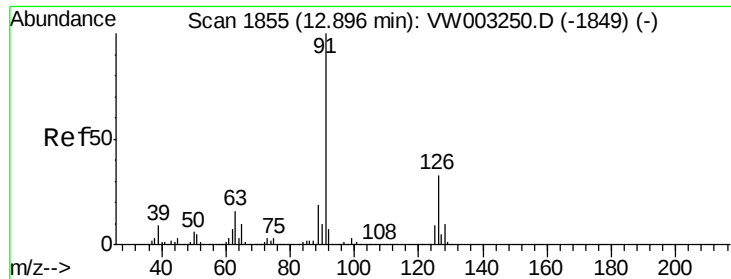
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.602 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

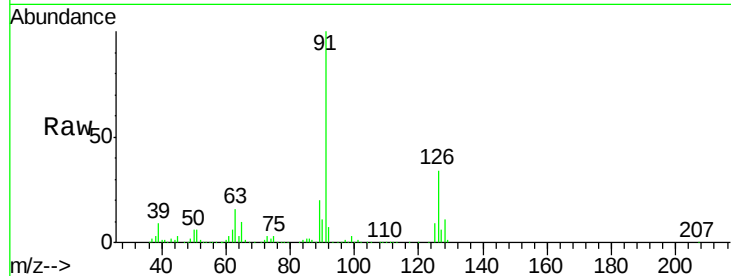
VSTDCCC050

Tgt Ion: 91 Resp: 449832

Ion Ratio Lower Upper

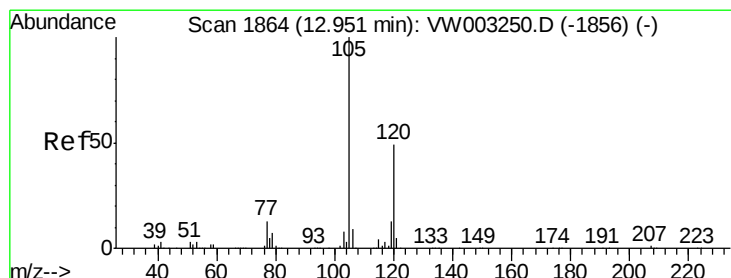
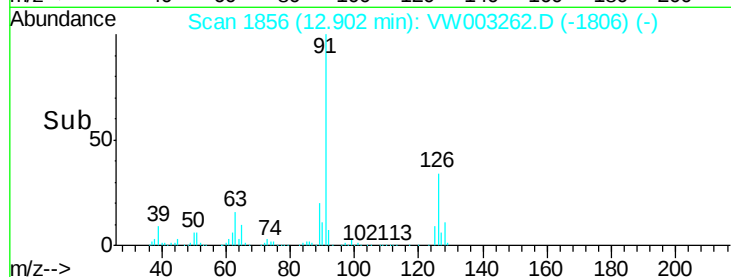
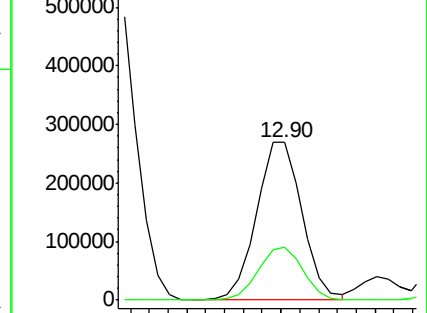
91 100

126 33.2 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.216 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003262.D

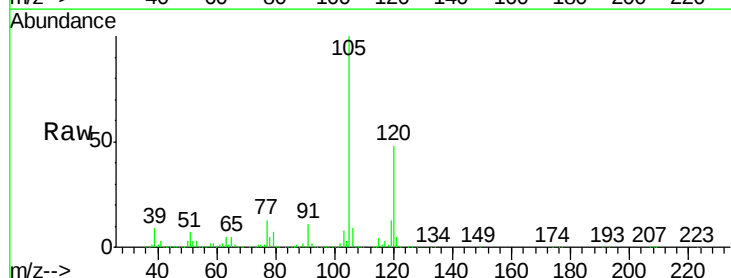
Acq: 14 Jun 2018 18:49

Tgt Ion: 105 Resp: 552983

Ion Ratio Lower Upper

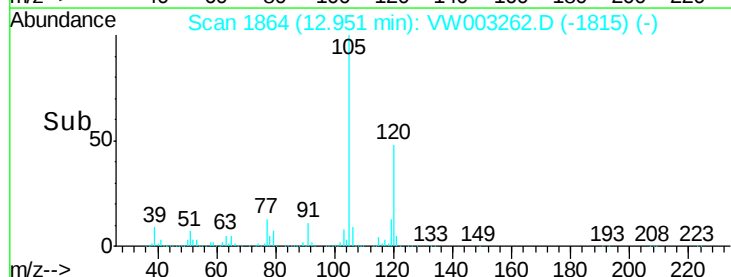
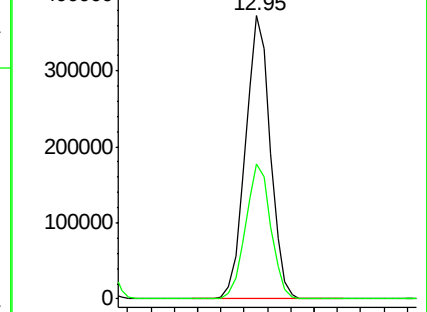
105 100

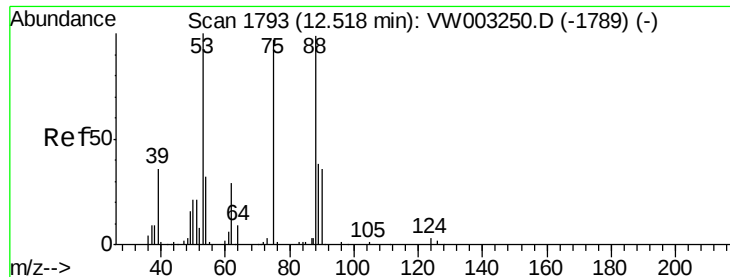
120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.646 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

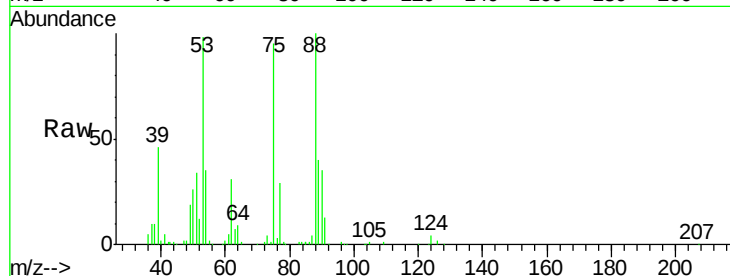
Tgt Ion: 75 Resp: 34756

Ion Ratio Lower Upper

75 100

53 104.9 82.9 124.3

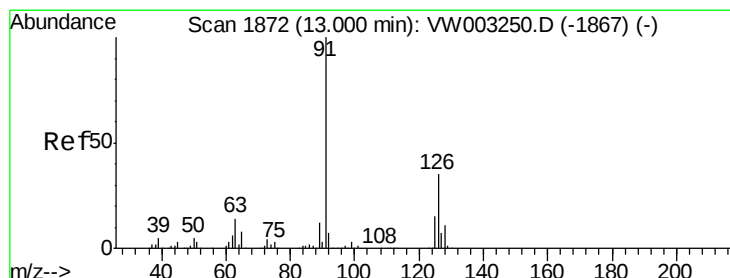
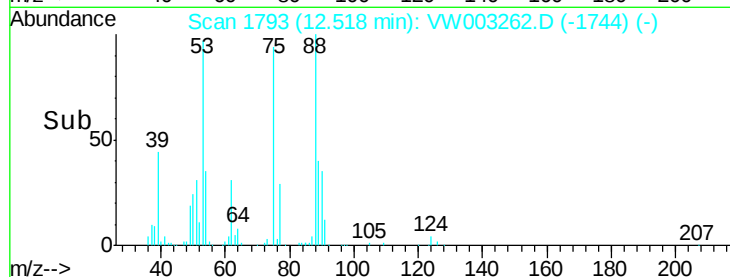
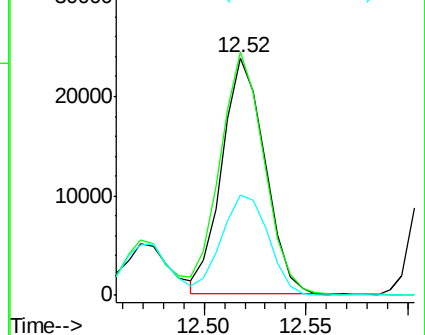
89 46.7 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 45.500 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW003262.D

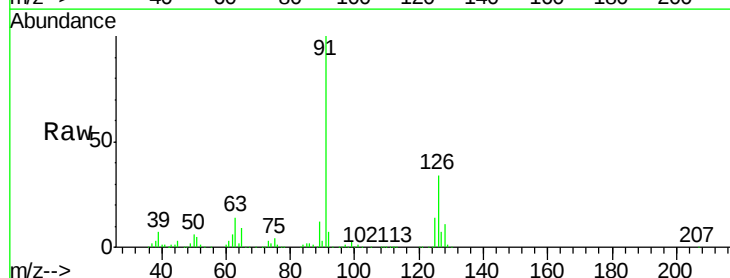
Acq: 14 Jun 2018 18:49

Tgt Ion: 91 Resp: 476124

Ion Ratio Lower Upper

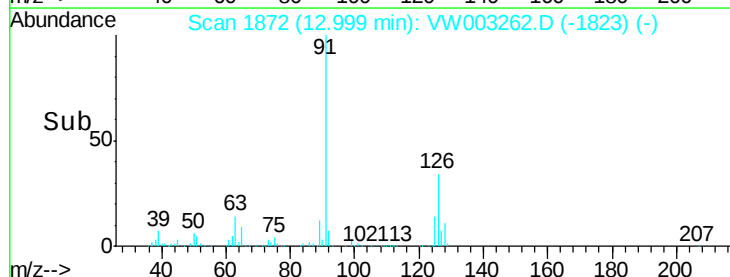
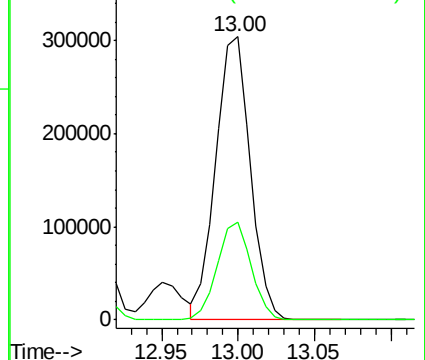
91 100

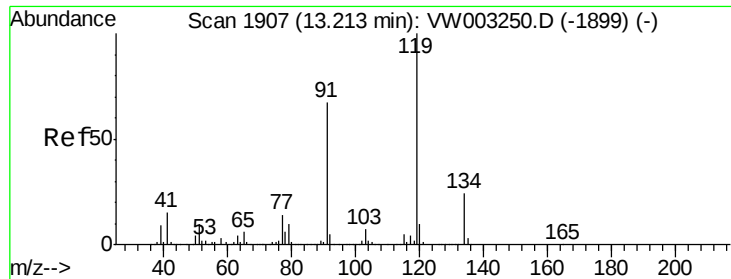
126 34.1 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

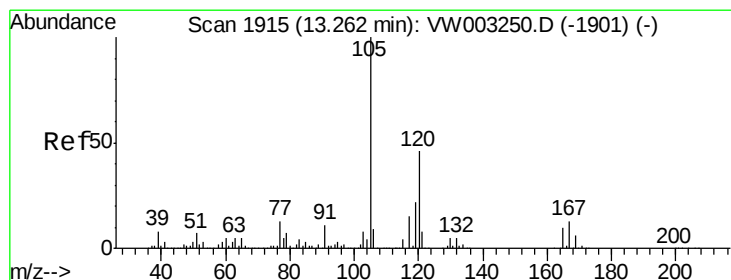
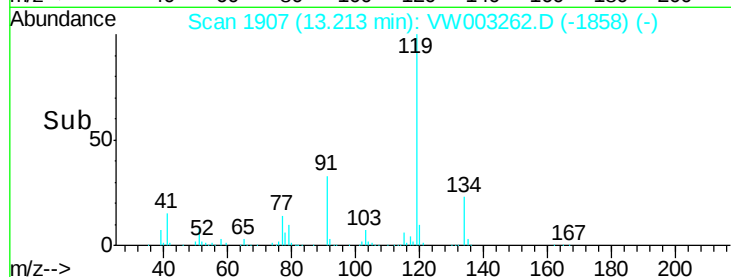
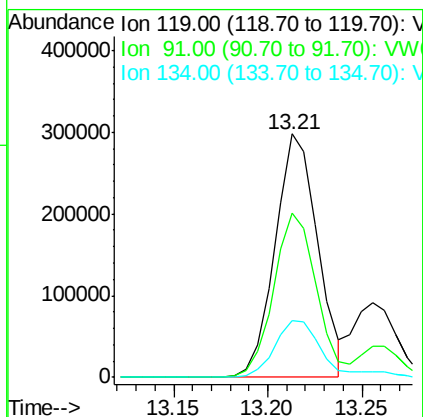
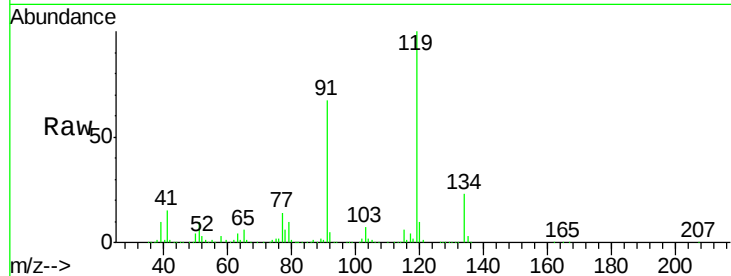




#83
 tert-Butylbenzene
 Concen: 45.832 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

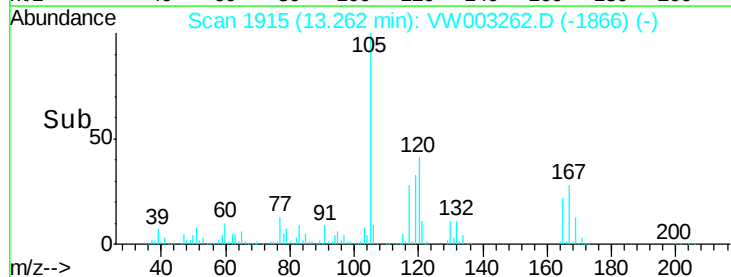
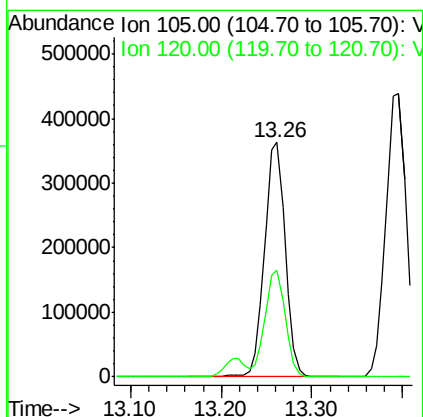
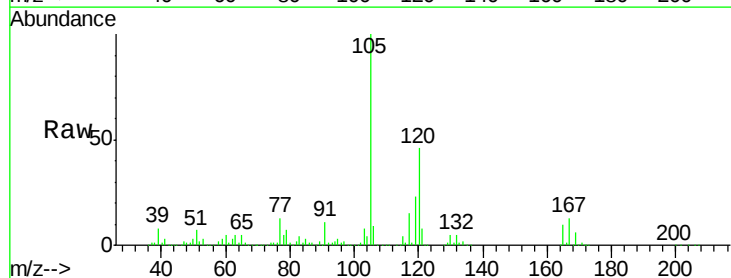
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

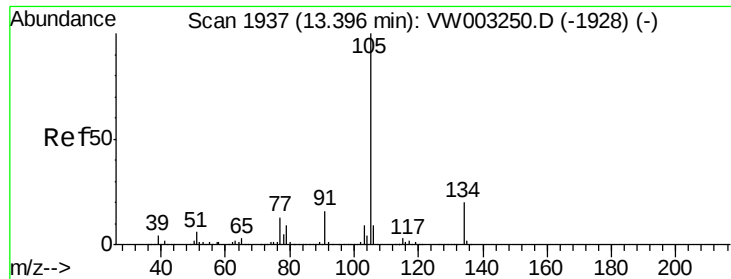
Tgt Ion:119 Resp: 467357
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.9 101.7
 134 26.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 46.581 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion:105 Resp: 573328
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.5 67.5

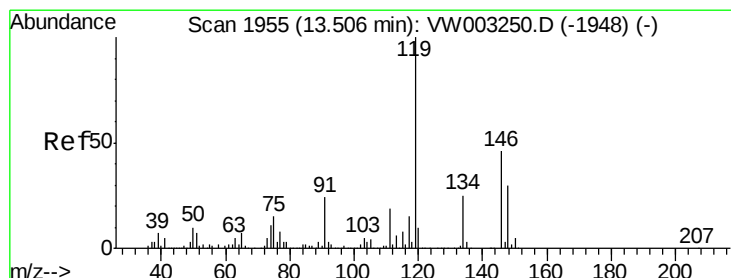
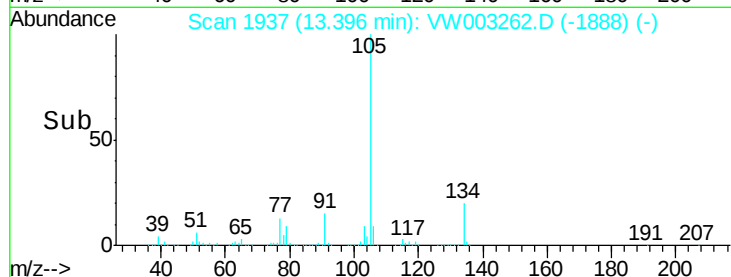
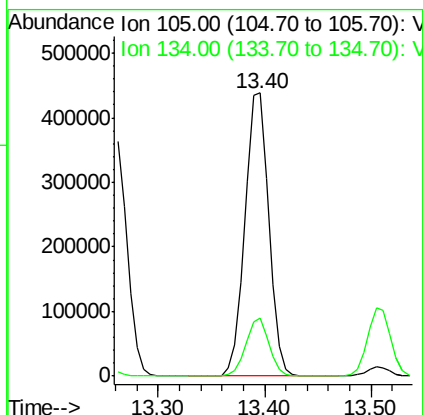
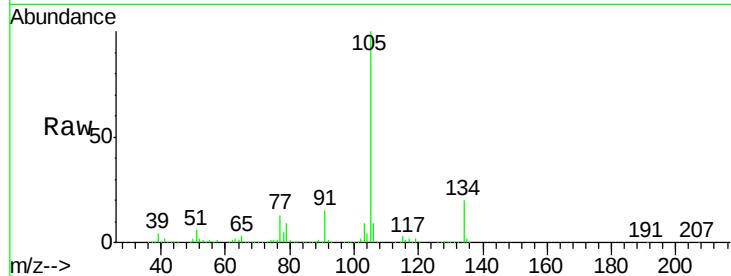




#85
 sec-Butylbenzene
 Concen: 45.670 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

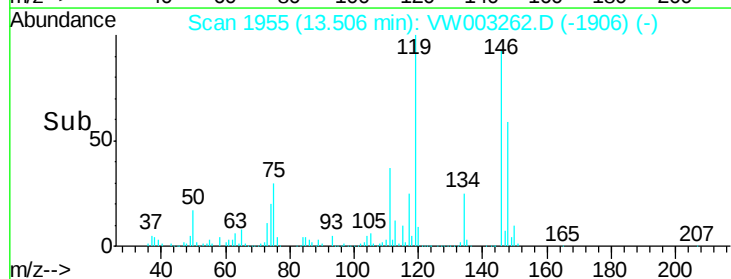
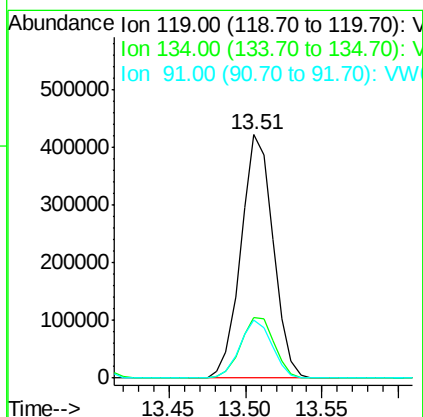
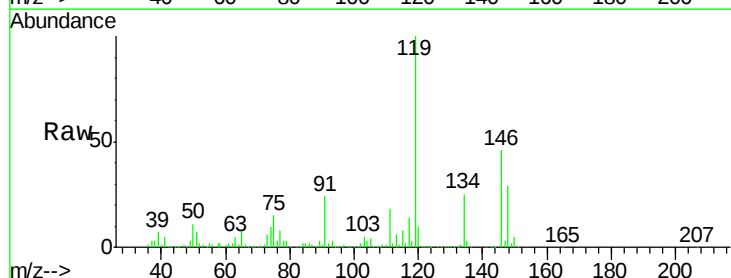
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

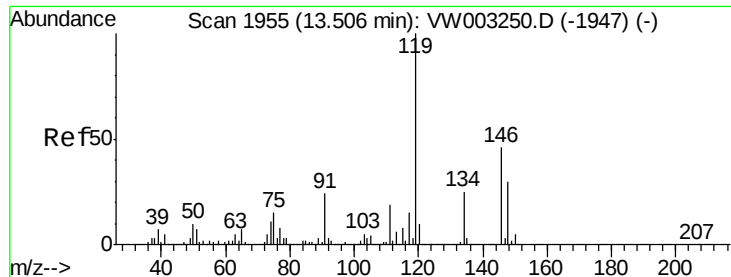
Tgt Ion:105 Resp: 692219
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 46.013 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion:119 Resp: 615120
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 23.8 11.8 35.3

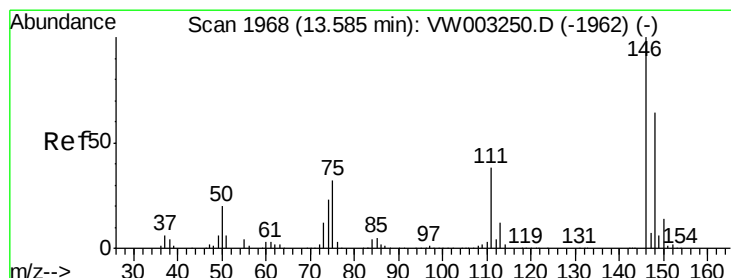
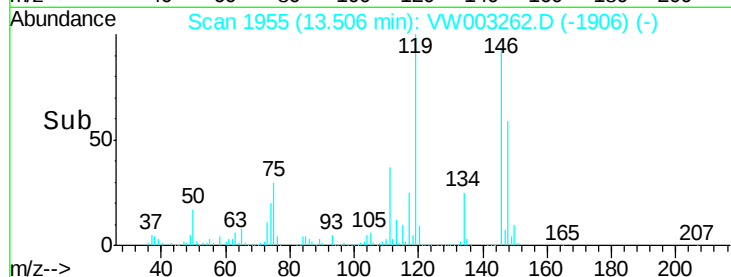
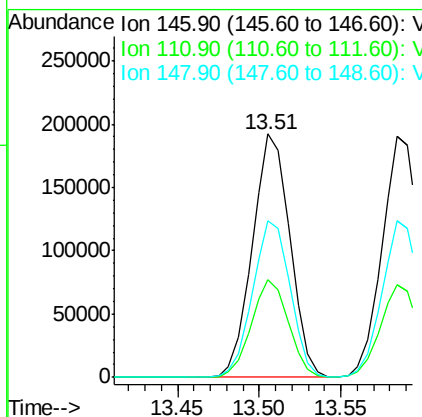
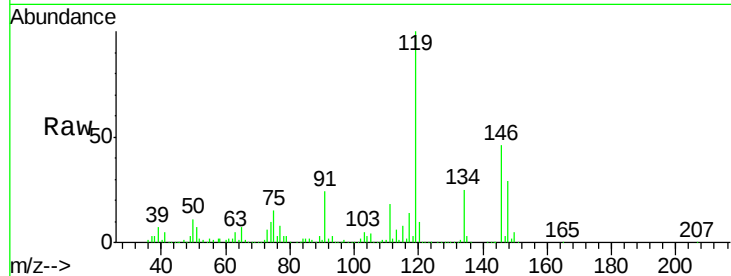




#87
 1,3-Dichlorobenzene
 Concen: 45.332 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

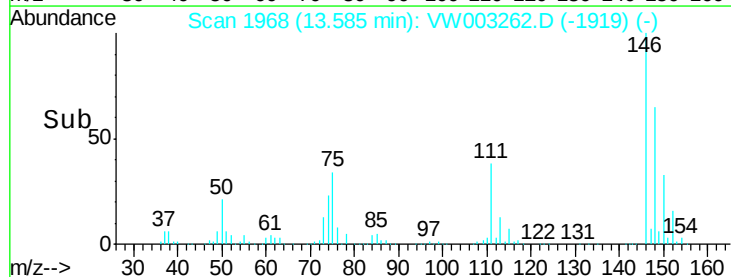
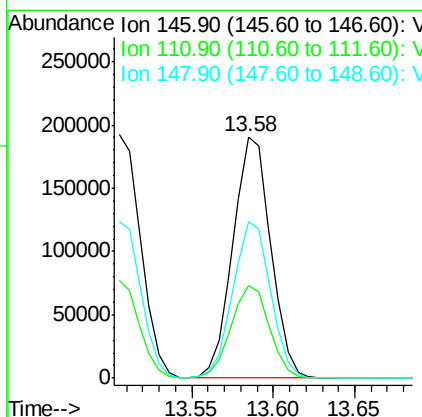
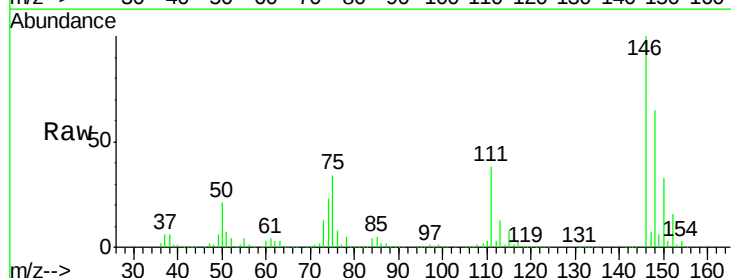
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

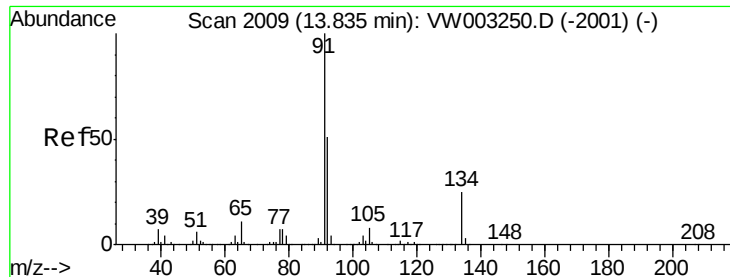
Tgt Ion:146 Resp: 309163
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.8 59.4
 148 64.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 45.496 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion:146 Resp: 308463
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.2 57.6
 148 64.8 31.8 95.4





#89

n-Butylbenzene

Concen: 45.973 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

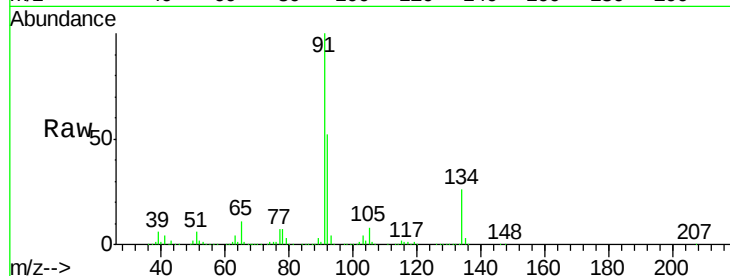
Tgt Ion: 91 Resp: 599070

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

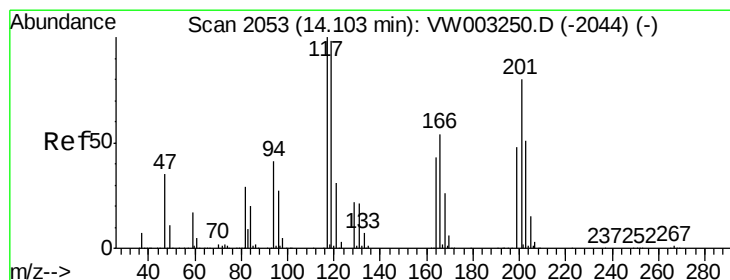
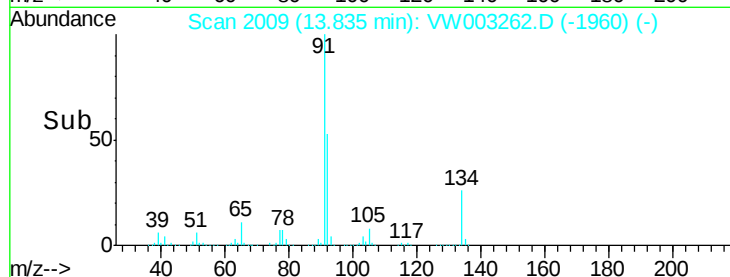
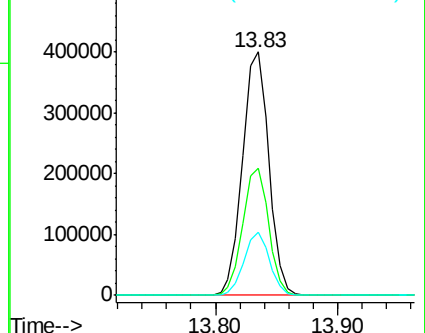
134 25.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 46.132 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW003262.D

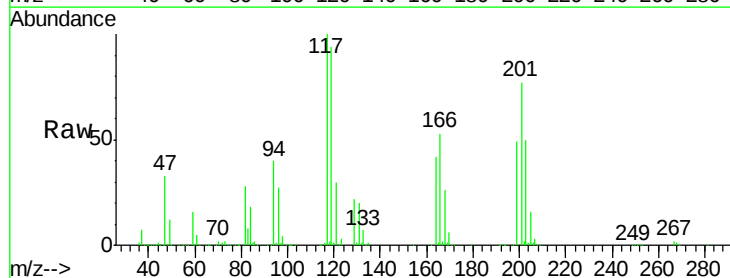
Acq: 14 Jun 2018 18:49

Tgt Ion: 117 Resp: 111561

Ion Ratio Lower Upper

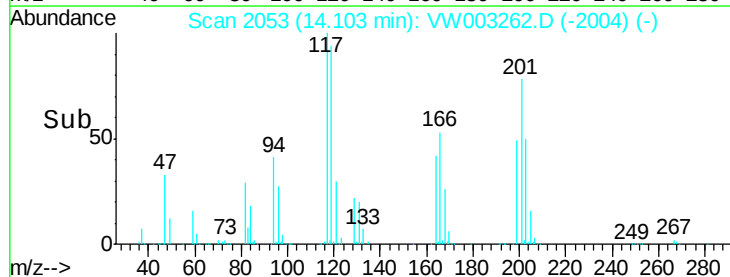
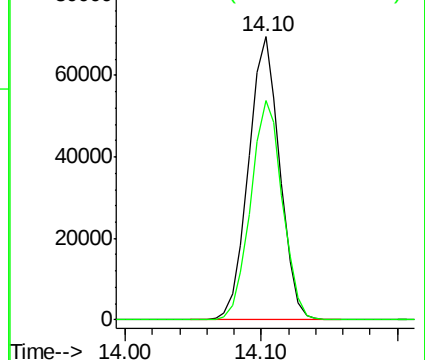
117 100

201 79.1 39.5 118.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

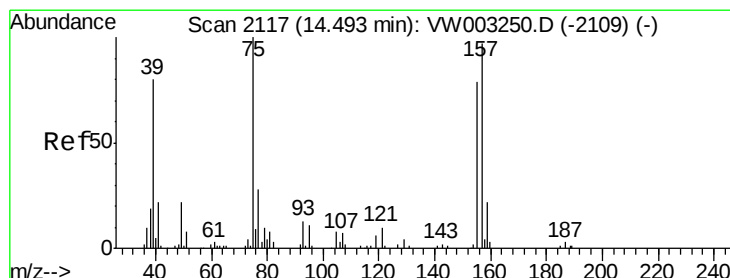
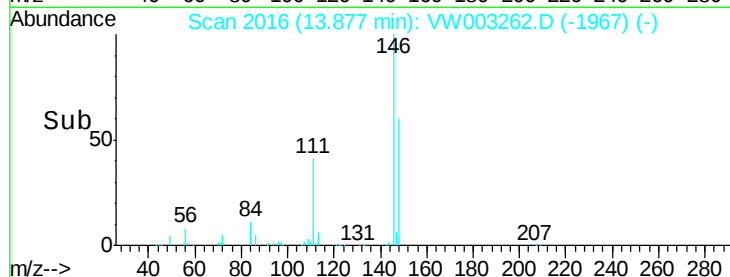
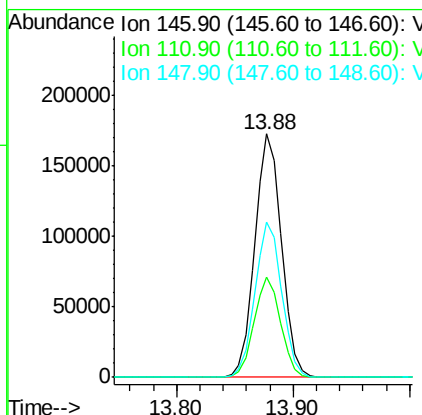
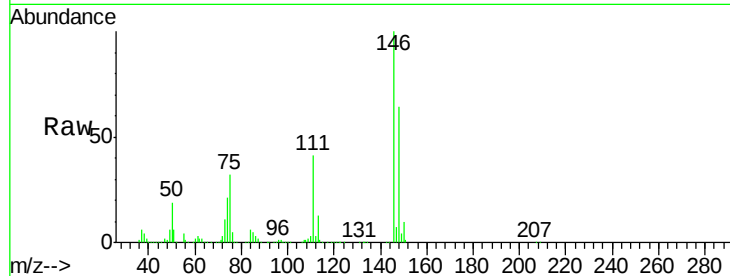




#91
 1,2-Dichlorobenzene
 Concen: 46.223 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

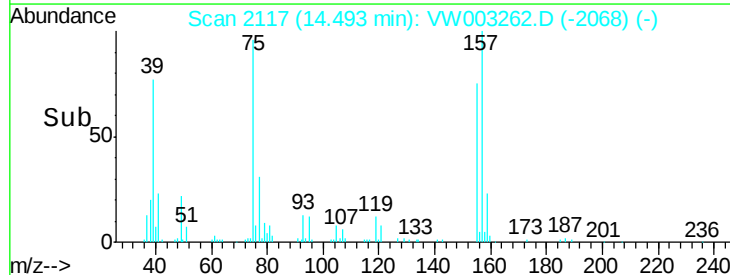
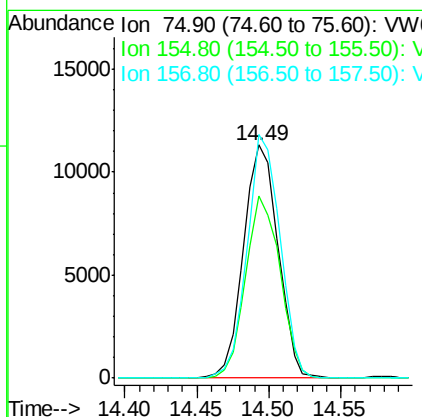
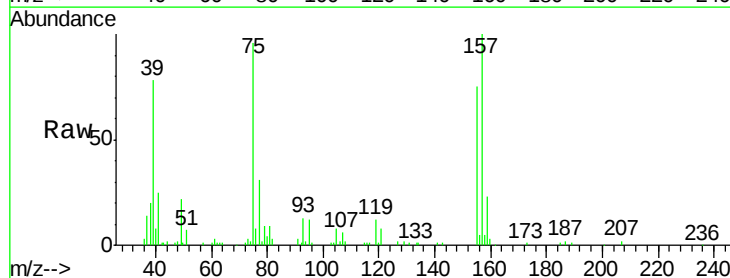
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

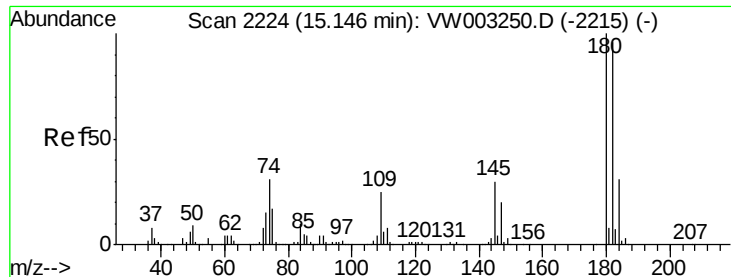
Tgt Ion: 146 Resp: 276140
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 61.0
 148 63.9 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.234 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 75 Resp: 18764
 Ion Ratio Lower Upper
 75 100
 155 78.0 39.4 118.2
 157 99.2 51.5 154.5

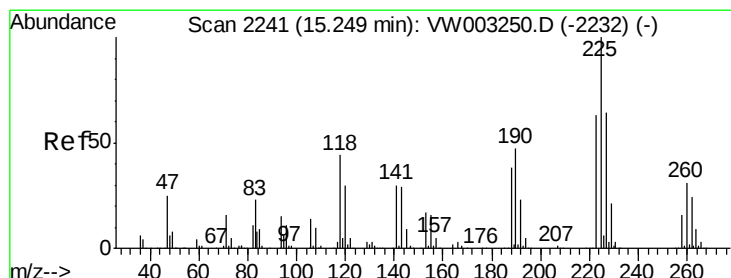
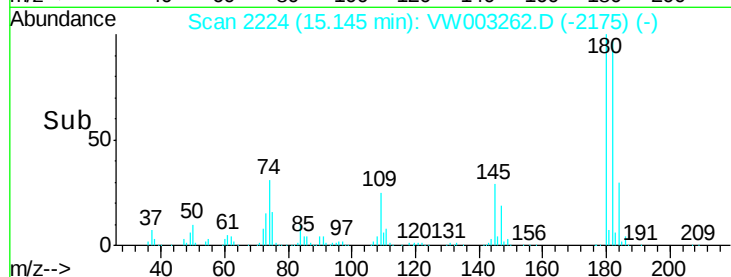
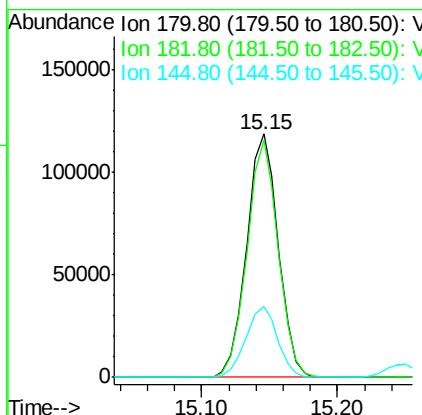
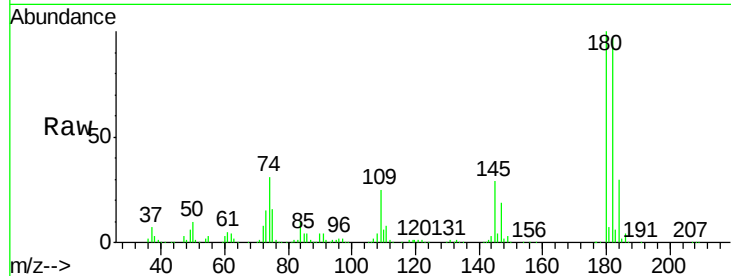




#93
 1,2,4-Trichlorobenzene
 Concen: 45.989 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

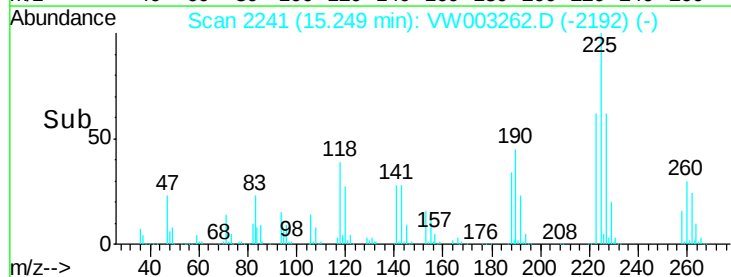
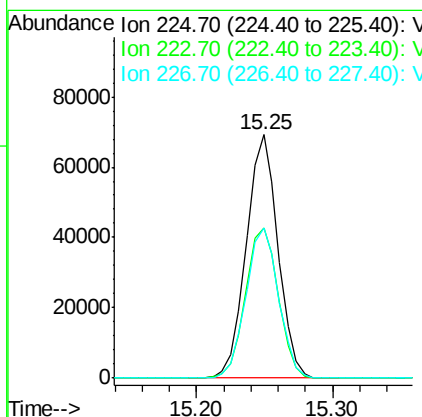
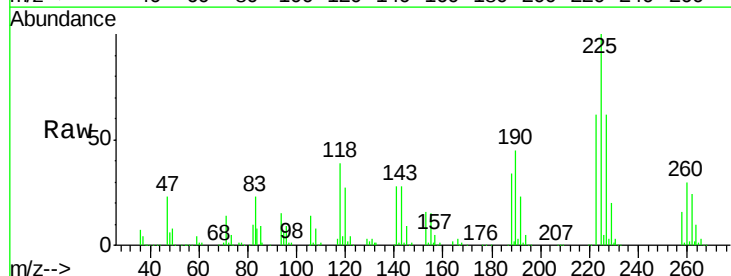
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

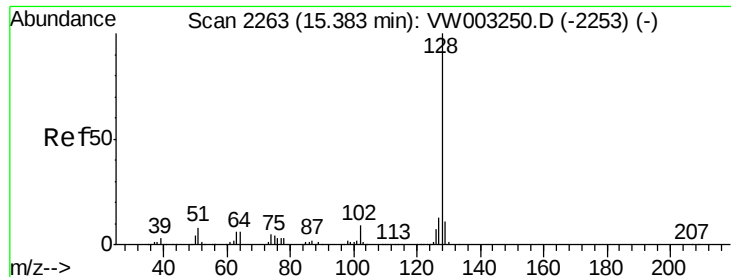
Tgt Ion:180 Resp: 192873
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.9 143.6
 145 29.2 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 44.717 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW003262.D
 Acq: 14 Jun 2018 18:49

Tgt Ion:225 Resp: 112809
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.6 92.0
 227 63.5 31.7 95.1





#95

Naphthalene

Concen: 46.742 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

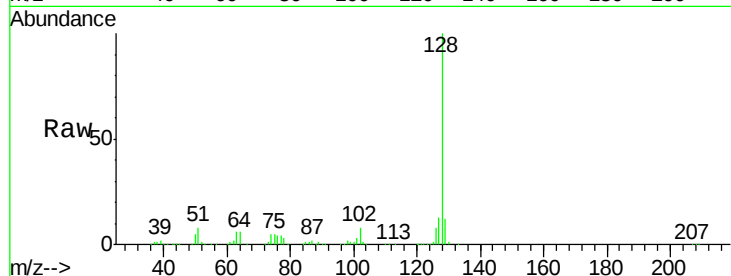
Tgt Ion:128 Resp: 332525

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

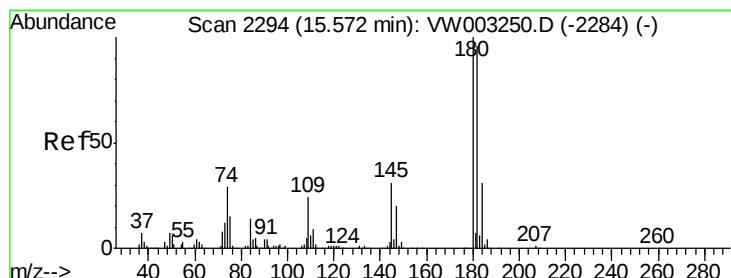
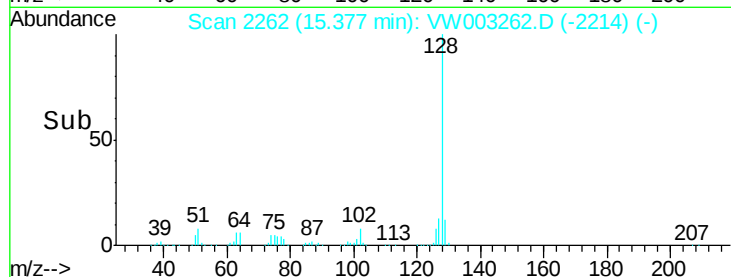
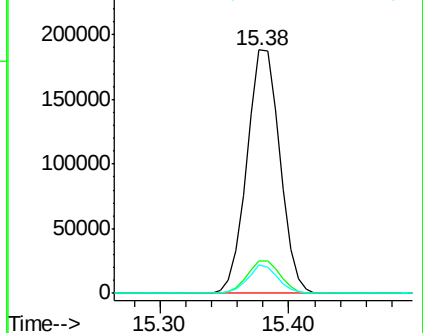
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.739 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003262.D

Acq: 14 Jun 2018 18:49

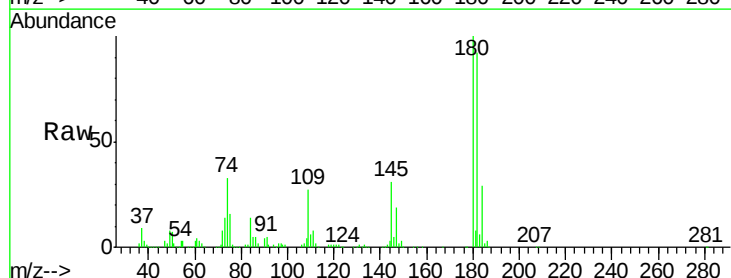
Tgt Ion:180 Resp: 168845

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.6

145 31.5 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

