

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\
 Data File : VW003688.D
 Acq On : 03 Jul 2018 10:16
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 03 13:18:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	204937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	158918	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.88	113	138612	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.33	98	564972	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.62	95	201532	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	90217	59.76	ug/l	99
3) Chloromethane	2.21	50	119979	55.00	ug/l	99
4) Vinyl Chloride	2.36	62	149730	50.31	ug/l	99
5) Bromomethane	2.78	94	102176	52.36	ug/l	95
6) Chloroethane	2.92	64	89610	50.04	ug/l	99
7) Trichlorofluoromethane	3.25	101	83194	52.56	ug/l	96
8) Diethyl Ether	3.67	74	67505	46.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131016	49.81	ug/l	99
10) Methyl Iodide	4.26	142	194471	50.35	ug/l	100
11) Tert butyl alcohol	5.20	59	43518	213.01	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	129512	49.40	ug/l	99
13) Acrolein	3.89	56	29877	301.39	ug/l	97
14) Allyl chloride	4.65	41	229918	51.28	ug/l	100
15) Acrylonitrile	5.37	53	154780	227.88	ug/l	100
16) Acetone	4.13	43	195950	251.43	ug/l	99
17) Carbon Disulfide	4.37	76	419604	53.32	ug/l	100
18) Methyl Acetate	4.67	43	70926	42.00	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	248035	48.44	ug/l	99
20) Methylene Chloride	4.90	84	146703	49.07	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	141888	49.42	ug/l	99
22) Diisopropyl ether	6.31	45	449196	48.87	ug/l	99
23) Vinyl Acetate	6.26	43	1409165	227.42	ug/l	100
24) 1,1-Dichloroethane	6.21	63	263764	48.12	ug/l	98
25) 2-Butanone	7.18	43	232427	232.91	ug/l	99
26) 2,2-Dichloropropane	7.17	77	163876	48.76	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	154054	49.27	ug/l	98
28) Bromochloromethane	7.51	49	109571	45.47	ug/l	99
29) Tetrahydrofuran	7.53	42	137230	229.40	ug/l	99
30) Chloroform	7.67	83	264567	47.73	ug/l	98
31) Cyclohexane	7.95	56	250093	50.11	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	215624	49.97	ug/l	100
36) 1,1-Dichloropropene	8.08	75	220015	52.43	ug/l	99
37) Ethyl Acetate	7.26	43	100096	49.01	ug/l	99
38) Carbon Tetrachloride	8.07	117	209030	52.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	263034	54.44	ug/l	99
40) Benzene	8.32	78	600055	50.88	ug/l	100
41) Methacrylonitrile	7.48	41	56863	48.98	ug/l	97
42) 1,2-Dichloroethane	8.40	62	183727	49.48	ug/l	99
43) Isopropyl Acetate	8.43	43	184136	47.87	ug/l	99
44) Trichloroethene	9.09	130	155194	50.90	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151260	49.44	ug/l	97
46) Dibromomethane	9.46	93	78015	49.10	ug/l	99
47) Bromodichloromethane	9.65	83	195741	49.84	ug/l	98
48) Methyl methacrylate	9.44	41	90070	44.69	ug/l	99
49) 1,4-Dioxane	9.47	88	24067	965.60	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	488211	240.86	ug/l	100
52) Toluene	10.39	92	383143	52.06	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	208674	51.21	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	234783	50.82	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	108712	48.57	ug/l	97
56) Ethyl methacrylate	10.65	69	142191	45.14	ug/l	99
57) 1,3-Dichloropropane	10.93	76	190835	49.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	282299	235.94	ug/l	99
59) 2-Hexanone	10.98	43	369397	254.94	ug/l	98
60) Dibromochloromethane	11.13	129	129485	49.48	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104356	48.67	ug/l	99
64) Tetrachloroethene	10.87	164	132695	50.53	ug/l	95
65) Chlorobenzene	11.66	112	414130	50.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	144978	50.79	ug/l	99
67) Ethyl Benzene	11.74	91	755059	52.76	ug/l	98
68) m/p-Xylenes	11.85	106	573508	105.38	ug/l	99
69) o-Xylene	12.17	106	265694	52.81	ug/l	98
70) Styrene	12.19	104	447059	52.90	ug/l	99
71) Bromoform	12.35	173	78341	49.39	ug/l #	99
73) Isopropylbenzene	12.47	105	750207	53.82	ug/l	100
74) N-amyl acetate	12.28	43	178995	48.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	130276	47.78	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	178287	96.75	ug/l #	100
77) Bromobenzene	12.75	156	169996	50.81	ug/l	99
78) n-propylbenzene	12.81	91	918305	53.32	ug/l	100
79) 2-Chlorotoluene	12.90	91	511689	52.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	630716	53.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	43273	49.76	ug/l	99
82) 4-Chlorotoluene	12.99	91	538550	51.77	ug/l	99
83) tert-Butylbenzene	13.21	119	536408	53.92	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	644783	53.11	ug/l	99
85) sec-Butylbenzene	13.39	105	790206	53.38	ug/l	100
86) p-Isopropyltoluene	13.51	119	696005	53.76	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	341546	50.30	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	338699	49.92	ug/l	99
89) n-Butylbenzene	13.83	91	691588	54.03	ug/l	99
90) Hexachloroethane	14.10	117	124226	51.64	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	302893	49.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22158	46.64	ug/l	100

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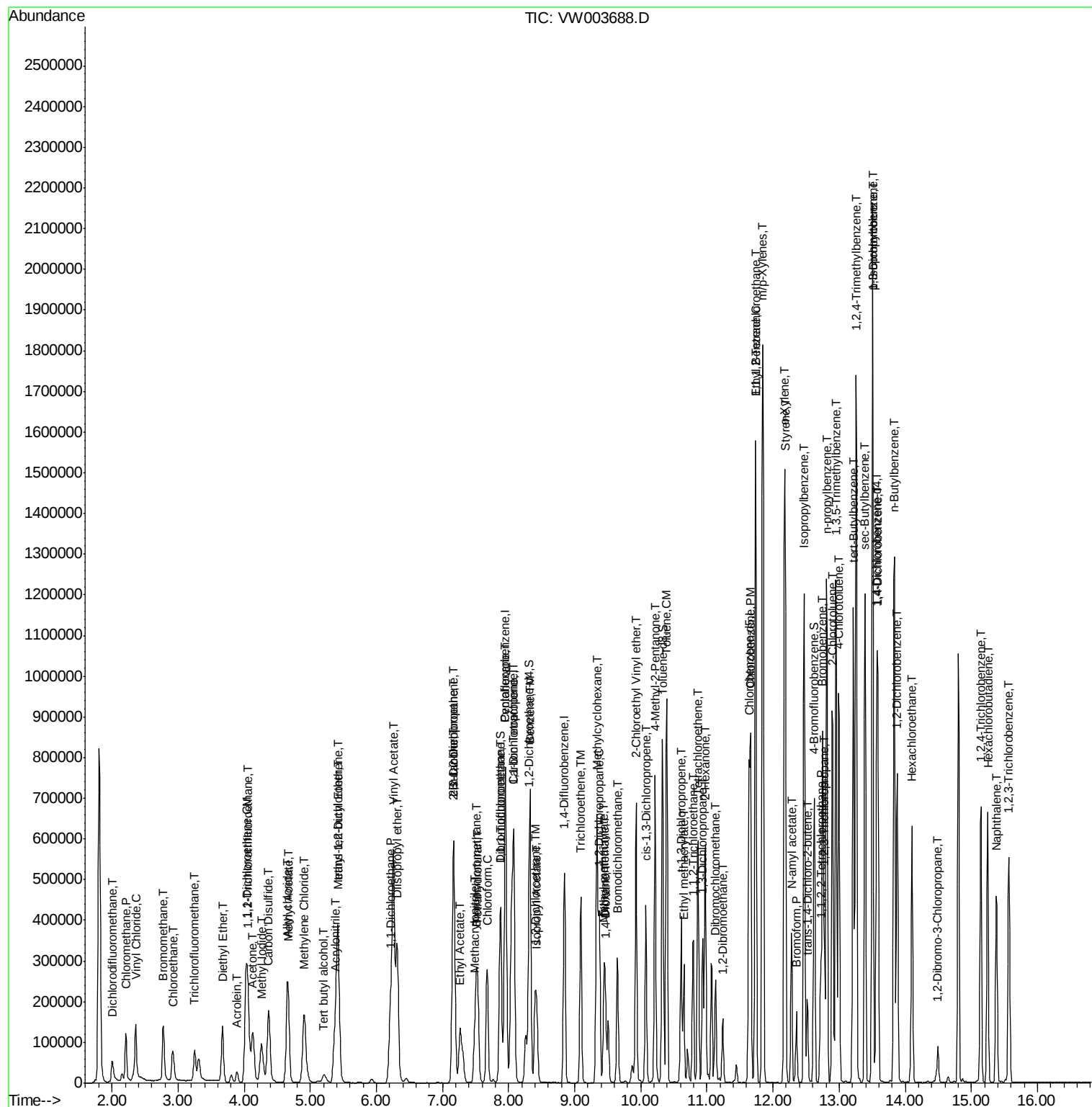
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	215985	50.45	ug/l	99
94) Hexachlorobutadiene	15.25	225	128220	51.86	ug/l	99
95) Naphthalene	15.38	128	386839	49.83	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	186265	48.85	ug/l	99

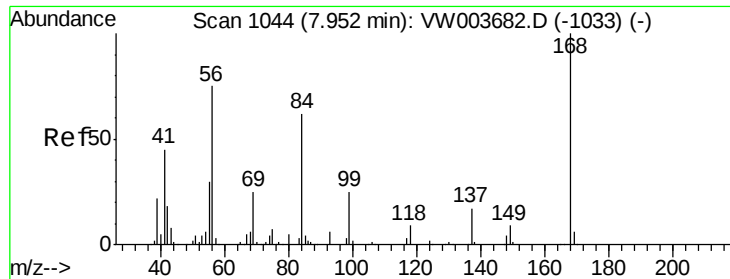
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070318\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

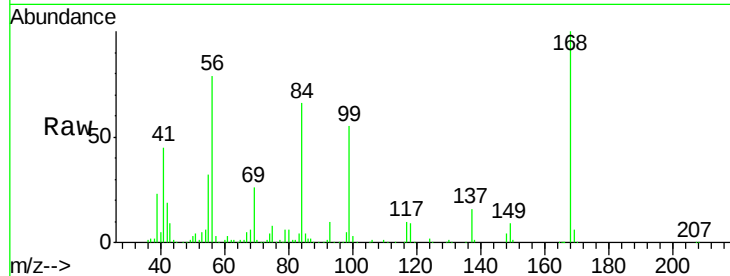
VSTDCCC050

Tot Ion:168 Resp: 273853

Ion Ratio Lower Upper

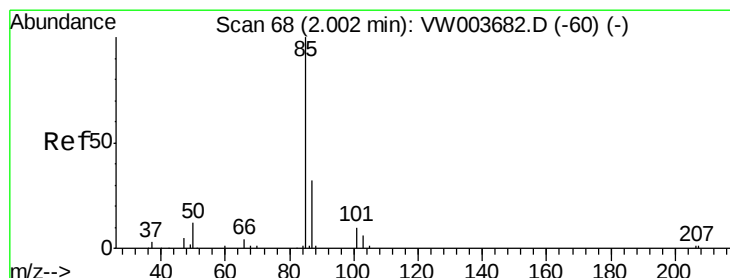
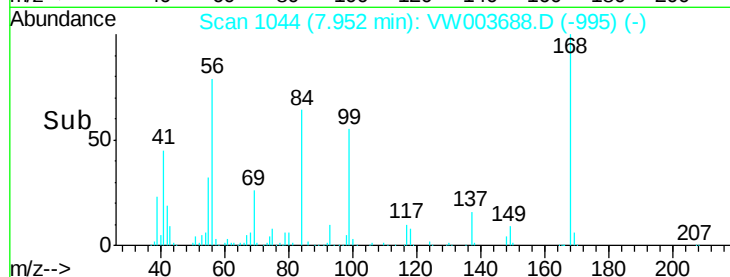
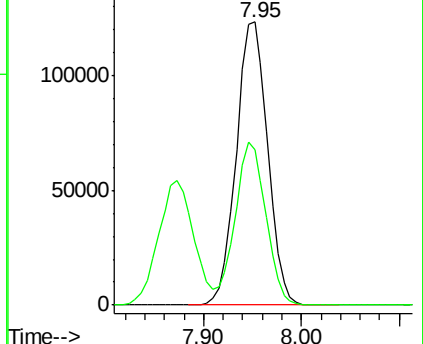
168 100

99 54.8 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 59.76 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003688.D

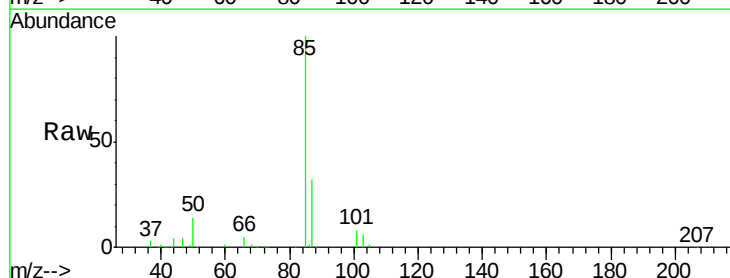
Acq: 03 Jul 2018 10:16

Tgt Ion: 85 Resp: 90217

Ion Ratio Lower Upper

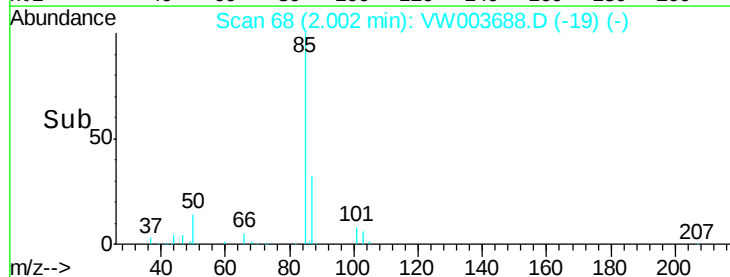
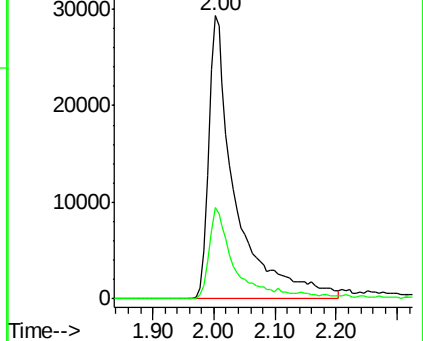
85 100

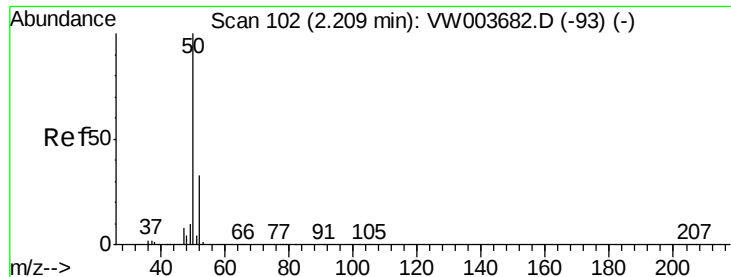
87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.00 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

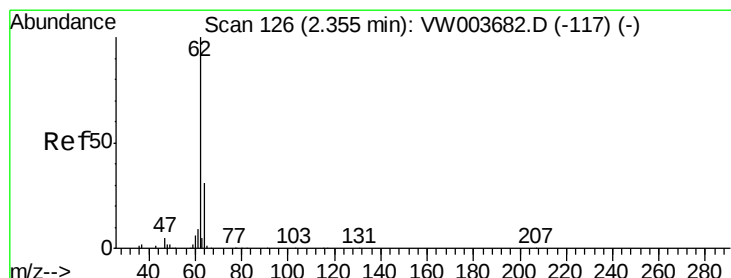
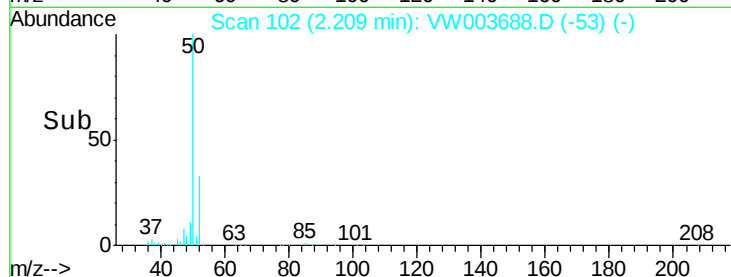
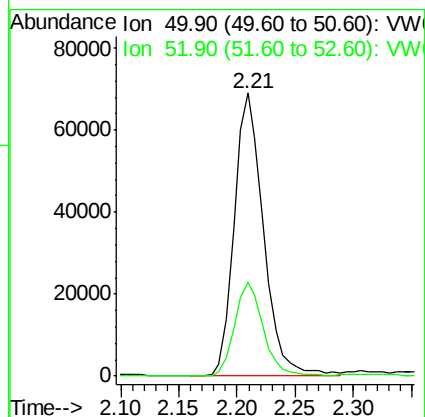
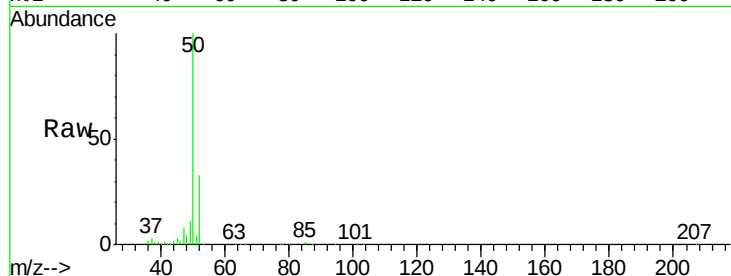
VSTDCCC050

Tot Ion: 50 Resp: 119979

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 50.31 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003688.D

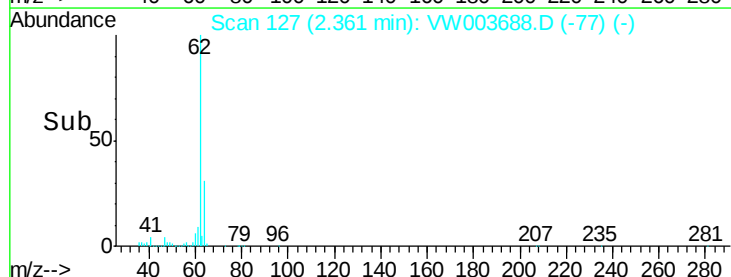
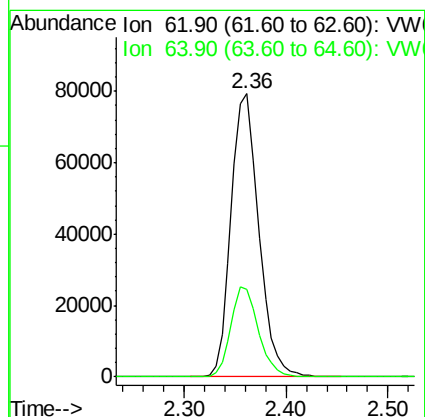
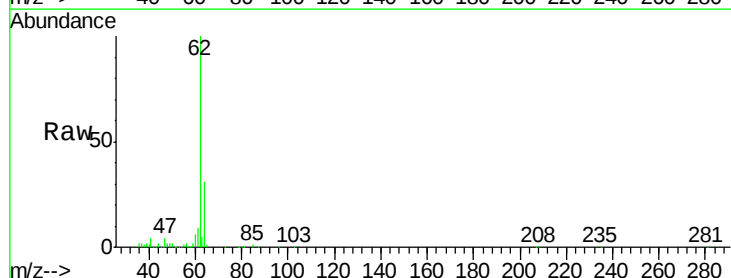
Acq: 03 Jul 2018 10:16

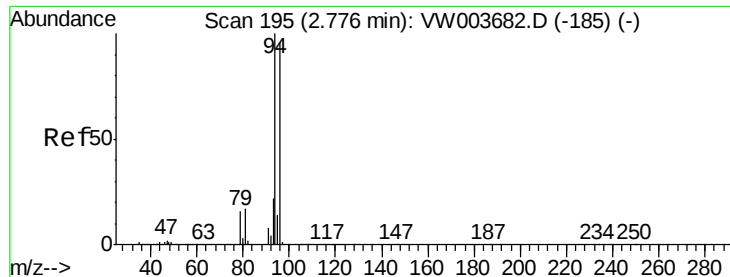
Tgt Ion: 62 Resp: 149730

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 52.36 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

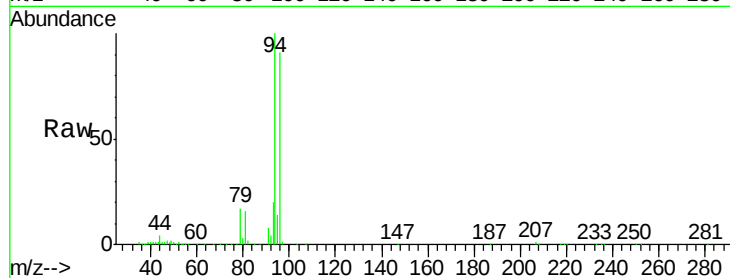
VSTDCCC050

Tot Ion: 94 Resp: 102176

Ion Ratio Lower Upper

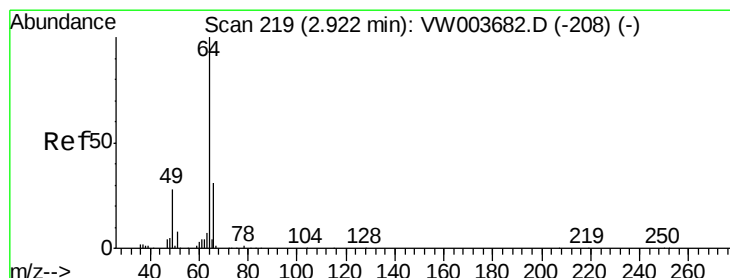
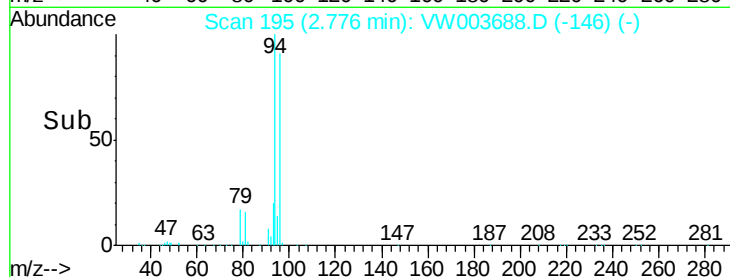
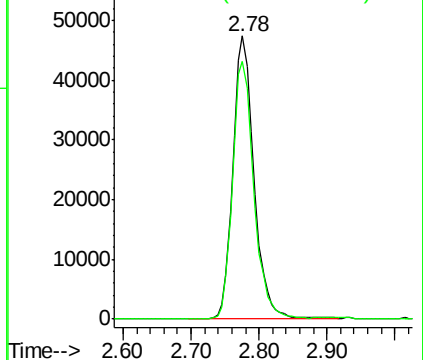
94 100

96 91.0 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.04 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003688.D

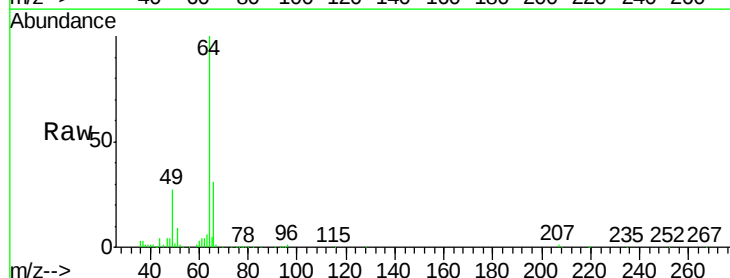
Acq: 03 Jul 2018 10:16

Tgt Ion: 64 Resp: 89610

Ion Ratio Lower Upper

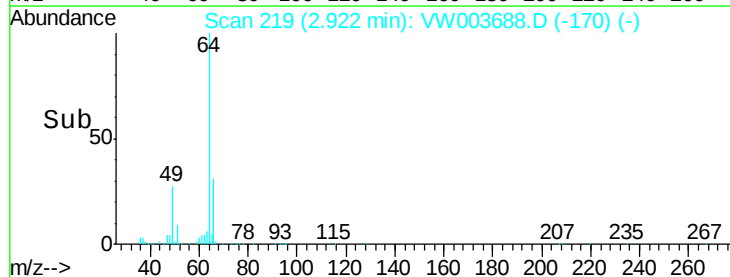
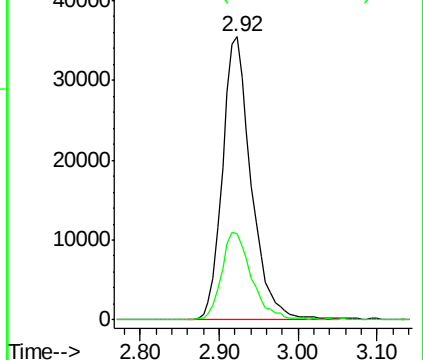
64 100

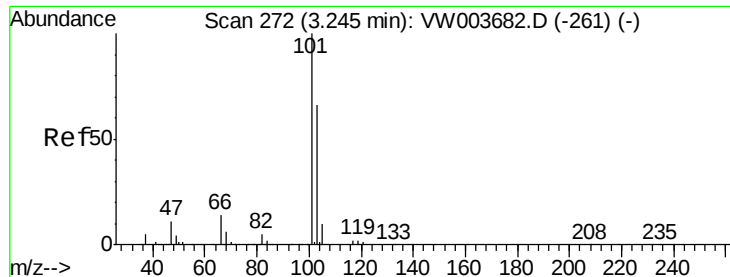
66 30.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



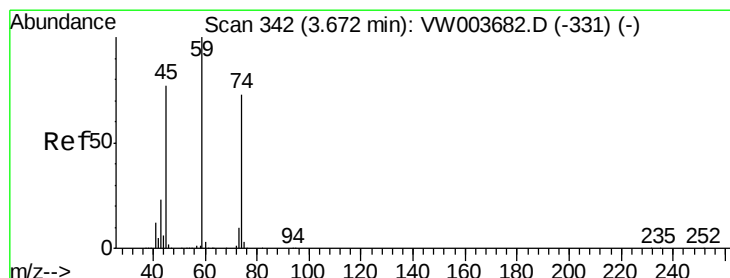
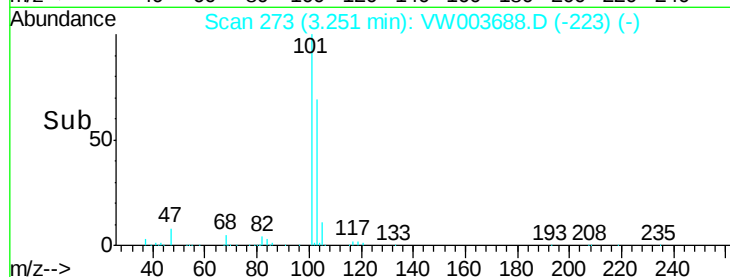
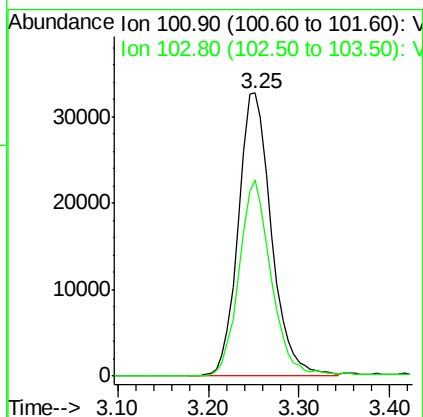
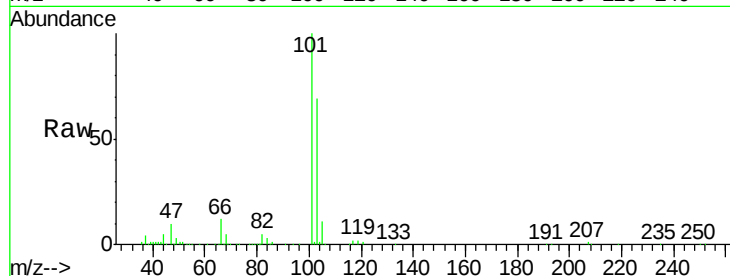


#7

Trichlorofluoromethane
Concen: 52.56 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Instrument :
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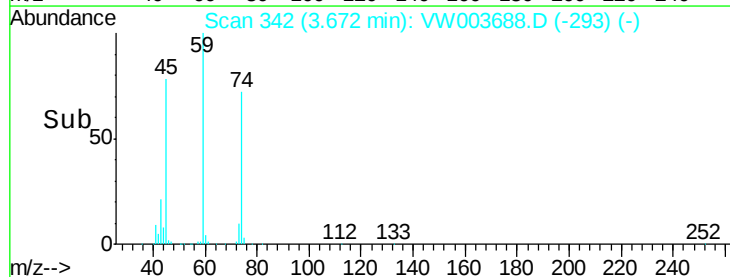
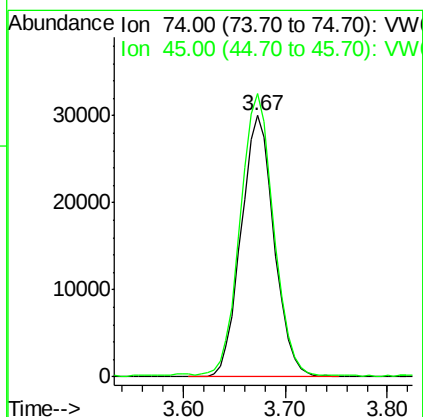
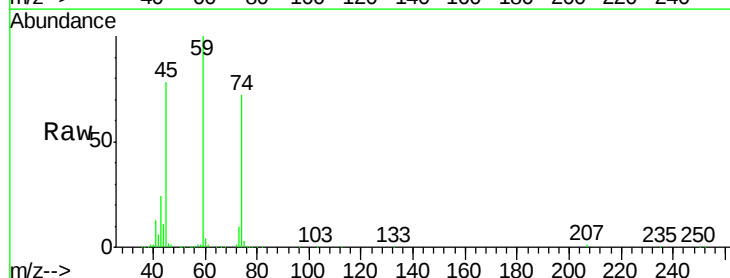
Tot Ion:101 Resp: 83194
Ion Ratio Lower Upper
101 100
103 69.4 52.9 79.3

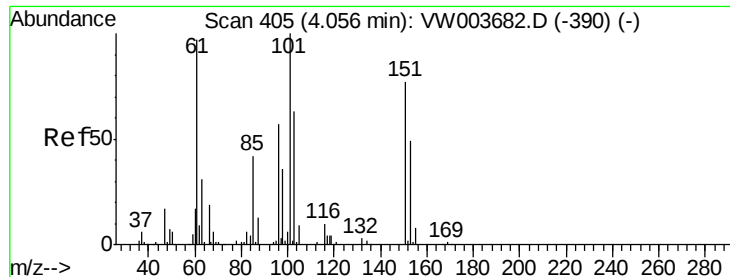


#8

Diethyl Ether
Concen: 46.10 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 74 Resp: 67505
Ion Ratio Lower Upper
74 100
45 109.3 53.5 160.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.81 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

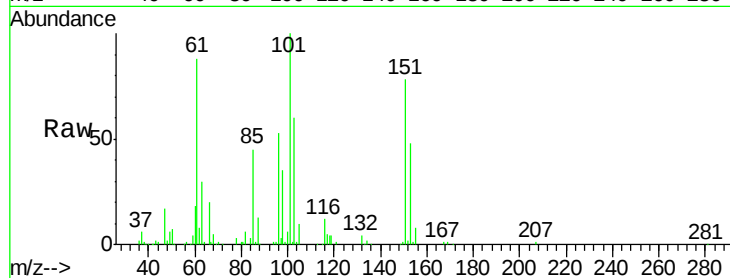
Tot Ion:101 Resp: 131016

Ion Ratio Lower Upper

101 100

85 45.0 36.6 55.0

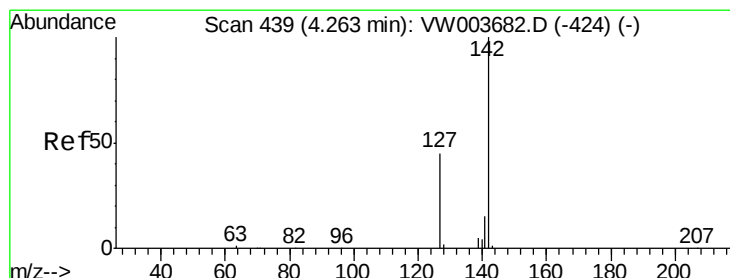
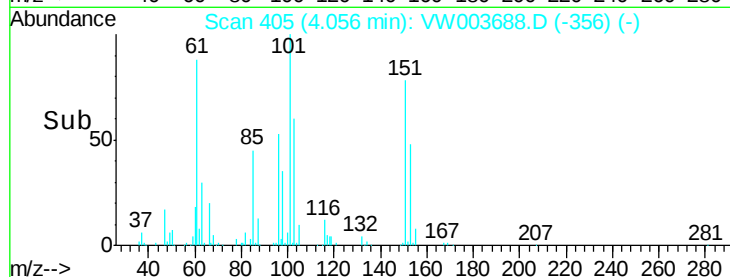
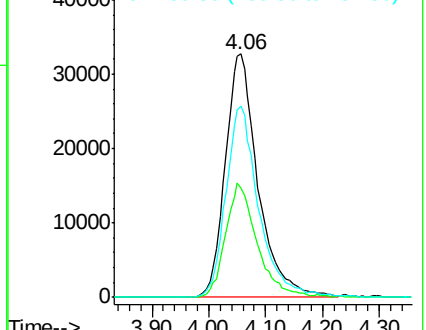
151 79.1 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.35 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

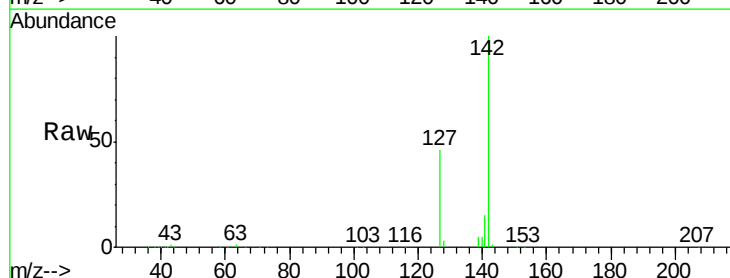
Tgt Ion:142 Resp: 194471

Ion Ratio Lower Upper

142 100

127 45.2 36.0 54.0

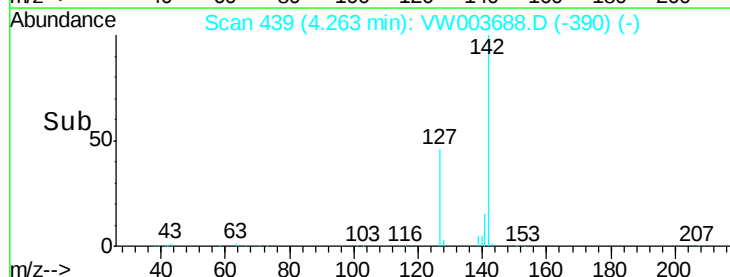
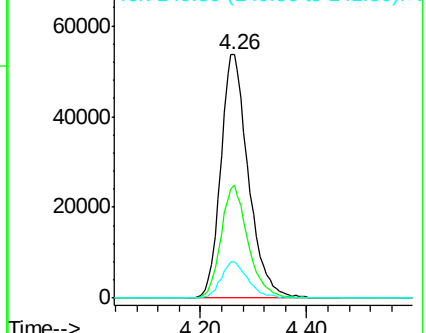
141 14.7 11.9 17.9

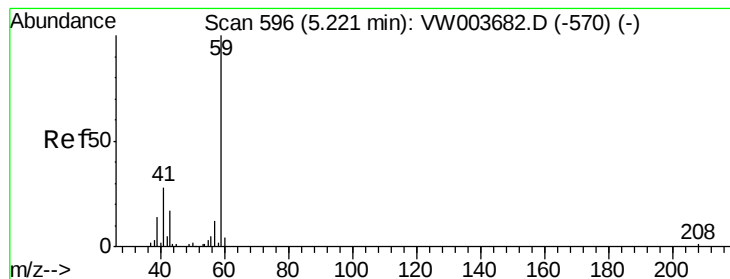


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



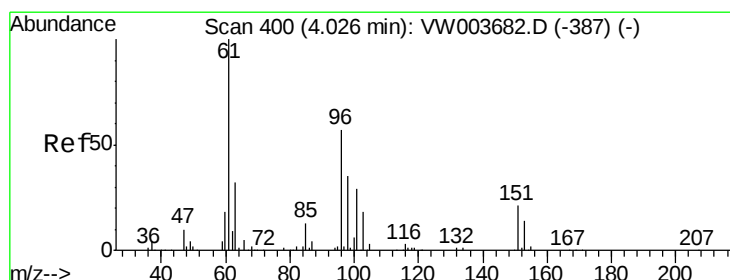
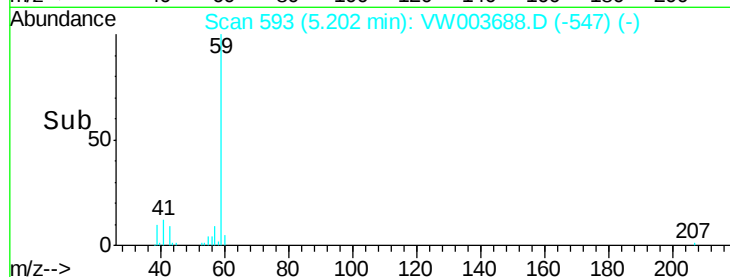
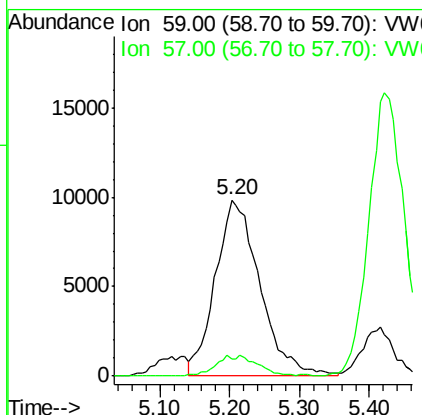
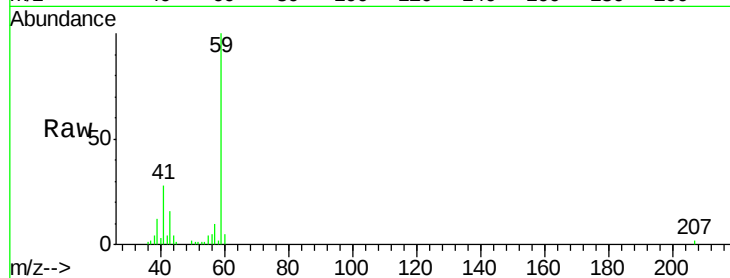


#11

Tert butyl alcohol
Concen: 213.01 ug/l
RT: 5.20 min Scan# 593
Delta R.T. -0.02 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

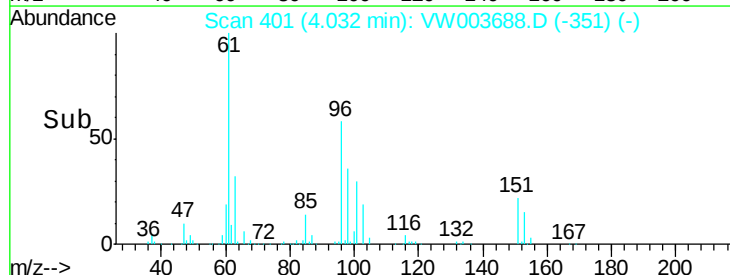
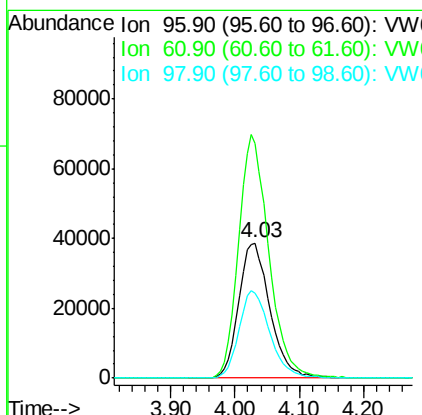
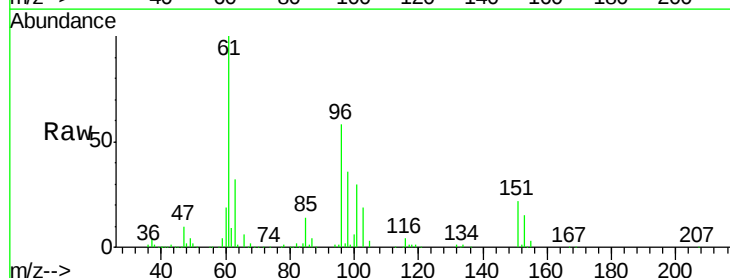
Tot Ion: 59 Resp: 43518
Ion Ratio Lower Upper
59 100
57 5.5 9.0 13.4#

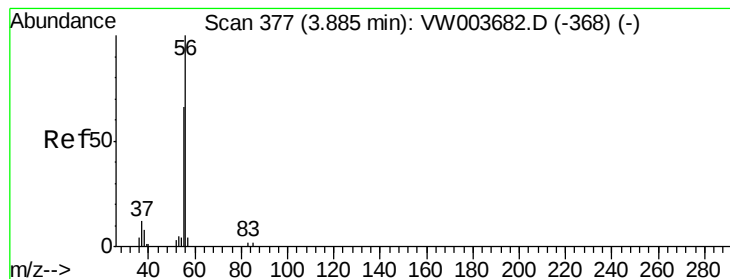


#12

1,1-Dichloroethene
Concen: 49.40 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 96 Resp: 129512
Ion Ratio Lower Upper
96 100
61 173.9 140.6 211.0
98 63.2 49.4 74.0





#13

Acrolein

Concen: 301.39 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

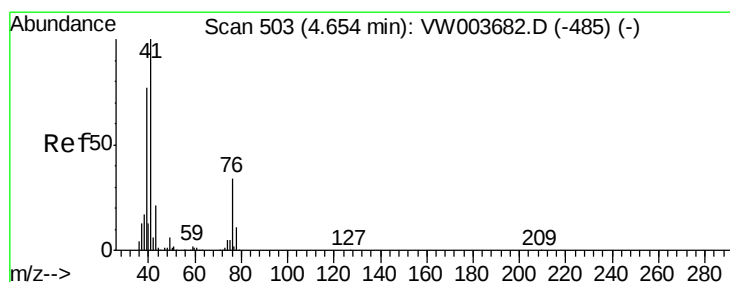
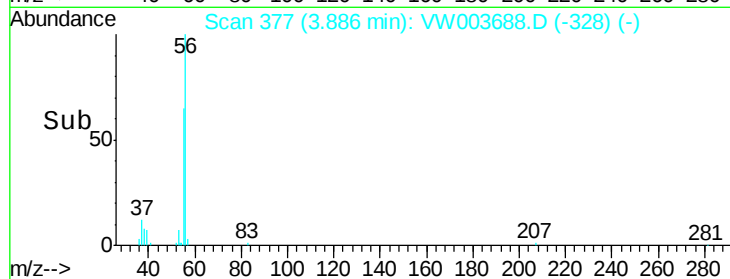
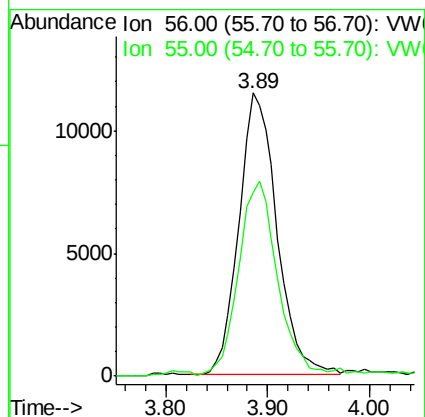
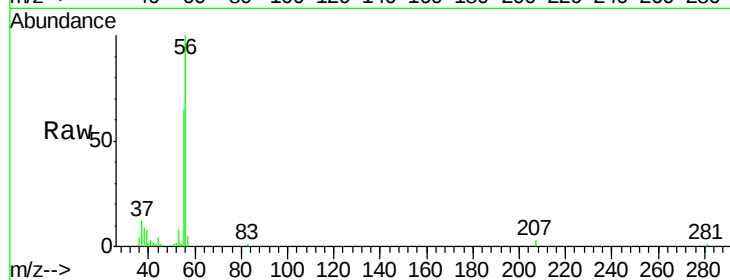
VSTDCCC050

Tot Ion: 56 Resp: 29877

Ion Ratio Lower Upper

56 100

55 70.6 54.7 82.1



#14

Allyl chloride

Concen: 51.28 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

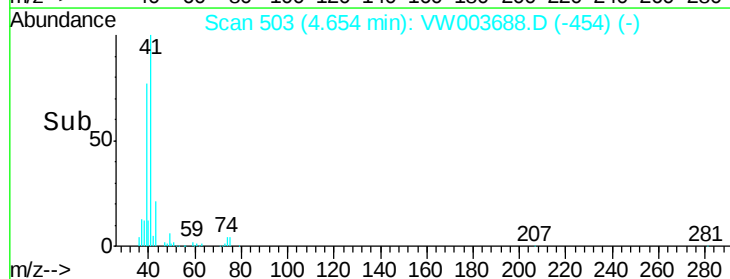
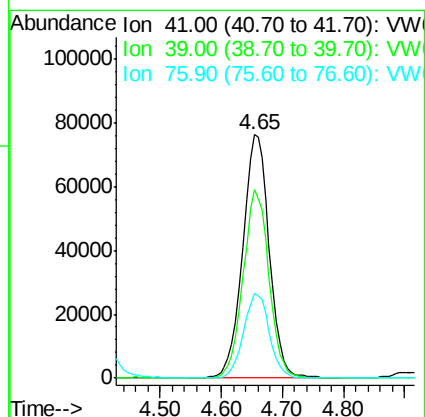
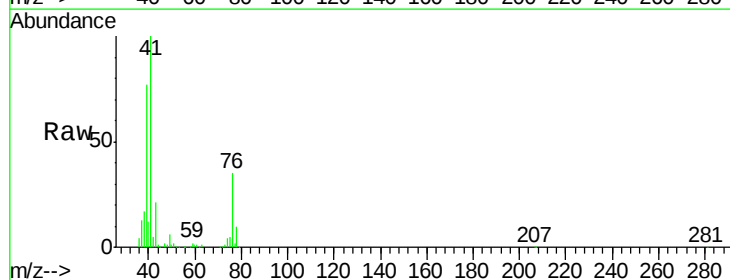
Tgt Ion: 41 Resp: 229918

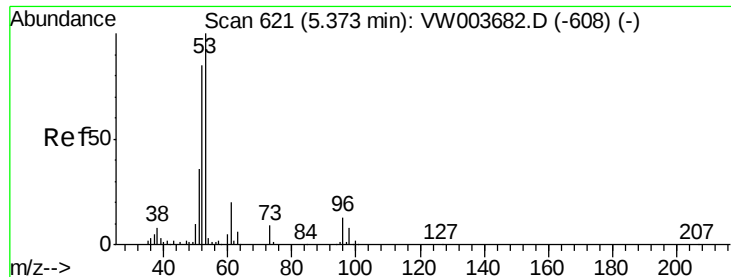
Ion Ratio Lower Upper

41 100

39 75.0 60.1 90.1

76 33.5 27.2 40.8

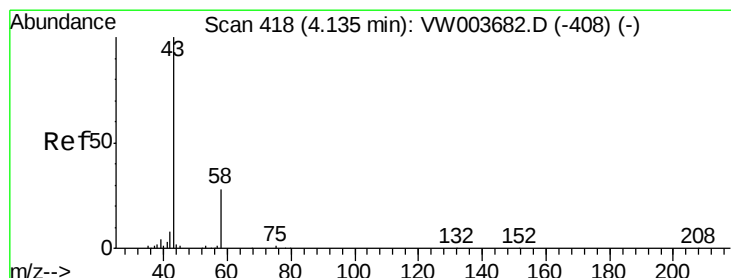
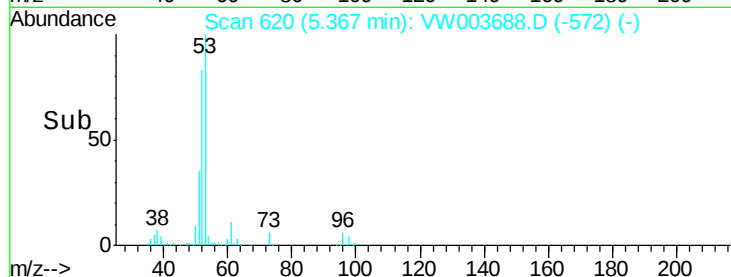
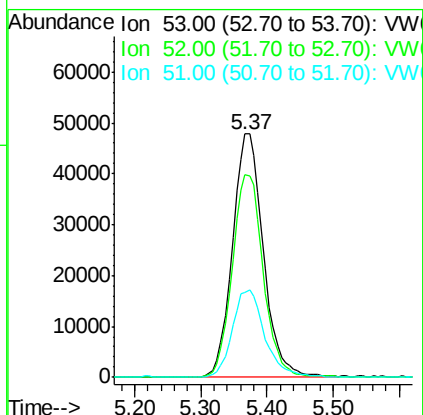
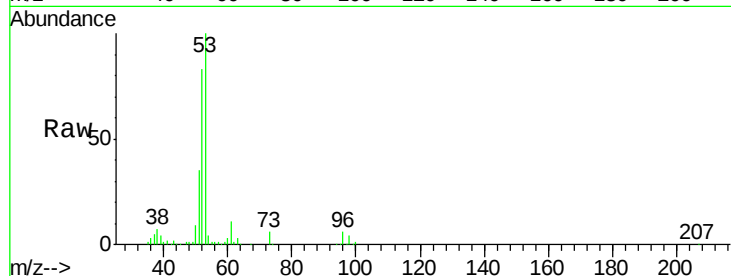




#15
 Acrylonitrile
 Concen: 227.88 ug/l
 RT: 5.37 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

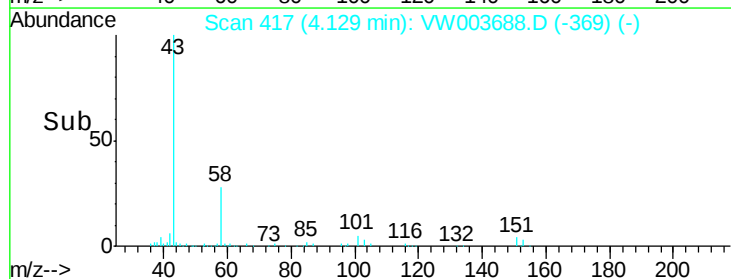
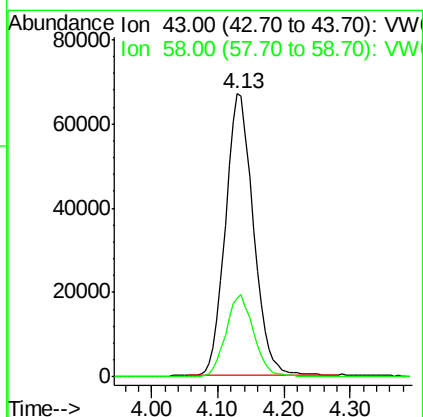
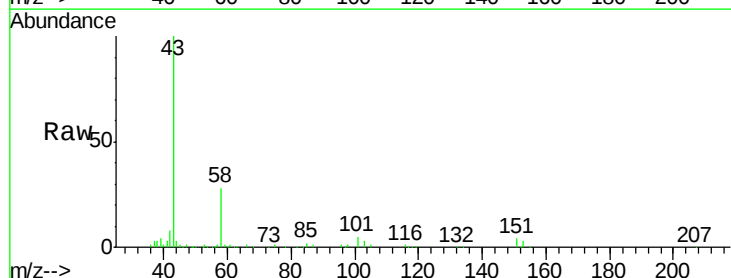
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

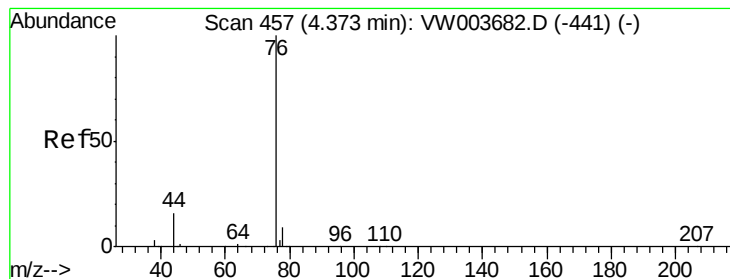
Tot Ion: 53 Resp: 154780
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.8 100.2
 51 37.8 30.2 45.4



#16
 Acetone
 Concen: 251.43 ug/l
 RT: 4.13 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 43 Resp: 195950
 Ion Ratio Lower Upper
 43 100
 58 27.9 22.7 34.1





#17

Carbon Disulfide

Concen: 53.32 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

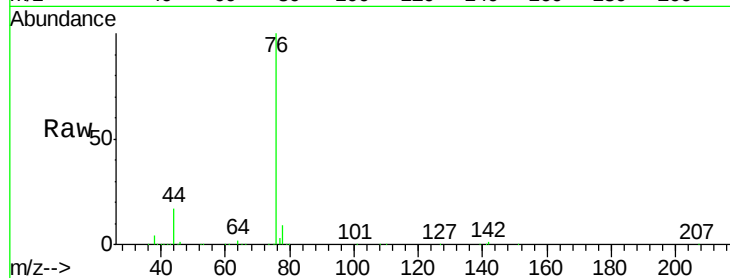
VSTDCCC050

Tot Ion: 76 Resp: 419604

Ion Ratio Lower Upper

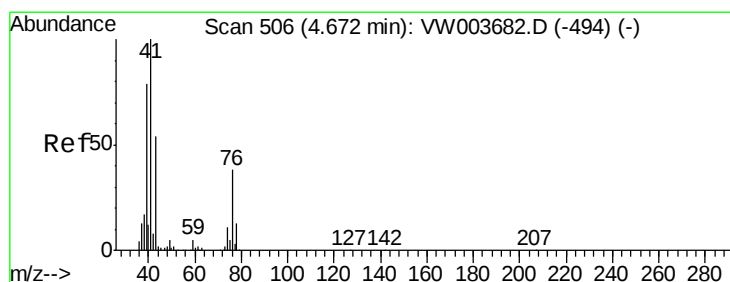
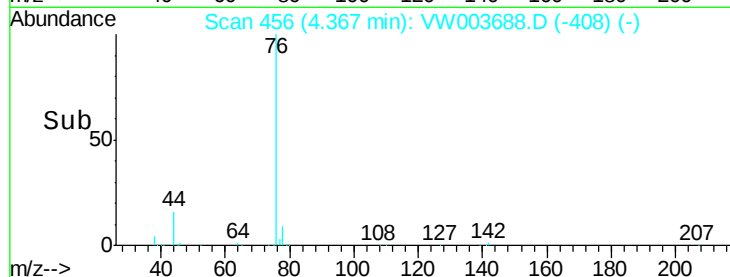
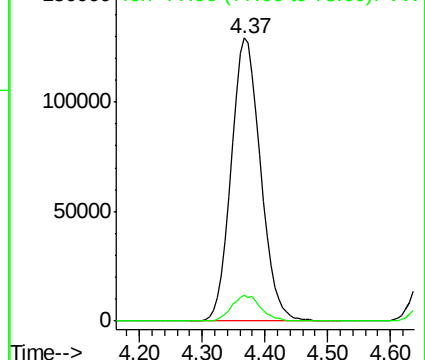
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 42.00 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW003688.D

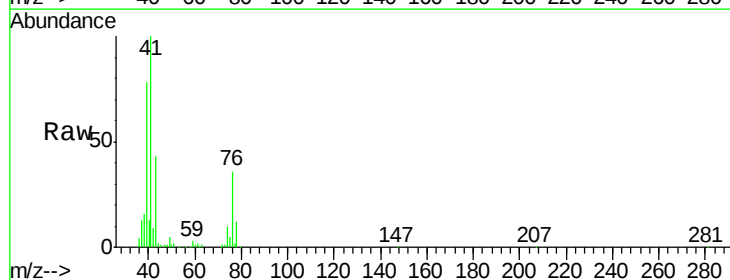
Acq: 03 Jul 2018 10:16

Tgt Ion: 43 Resp: 70926

Ion Ratio Lower Upper

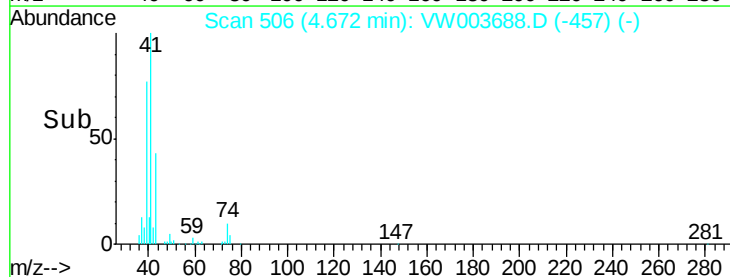
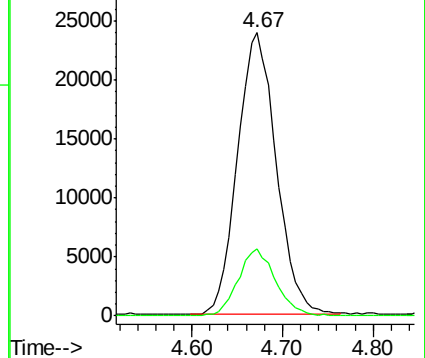
43 100

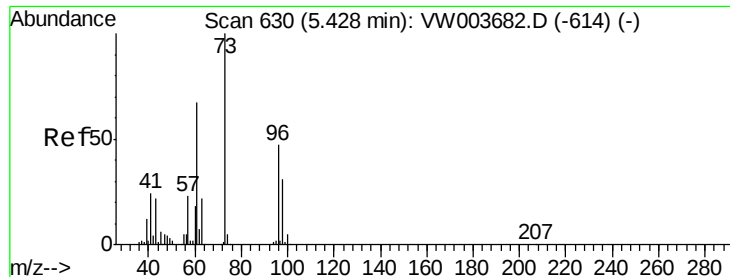
74 22.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

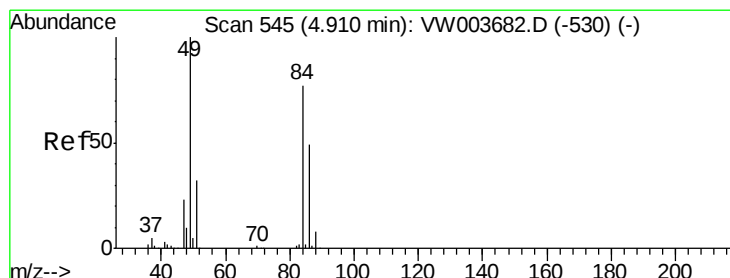
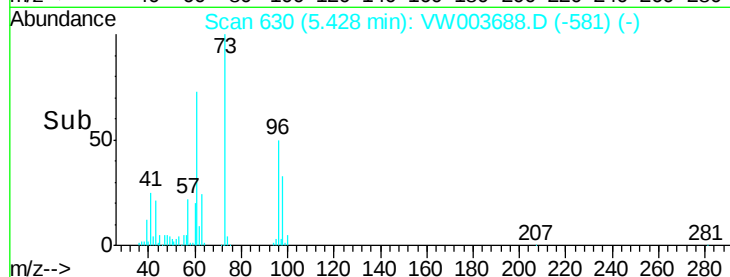
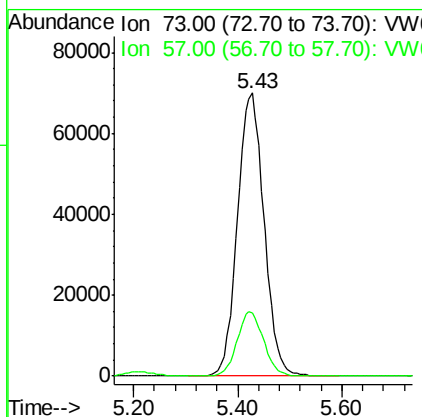
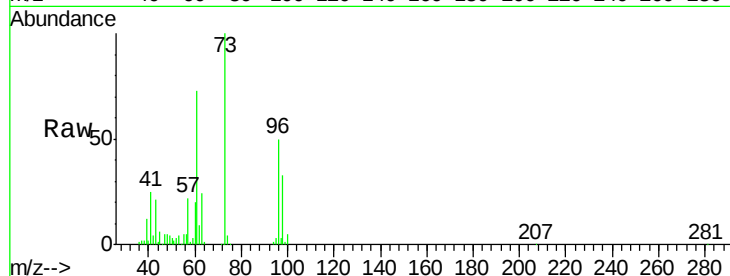




#19
Methvl tert-butvl Ether
Concen: 48.44 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

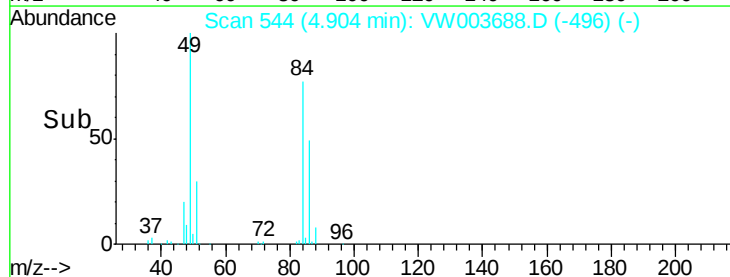
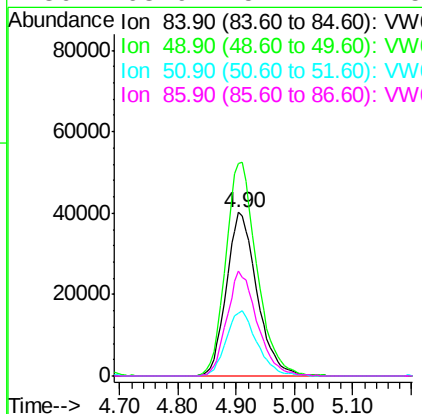
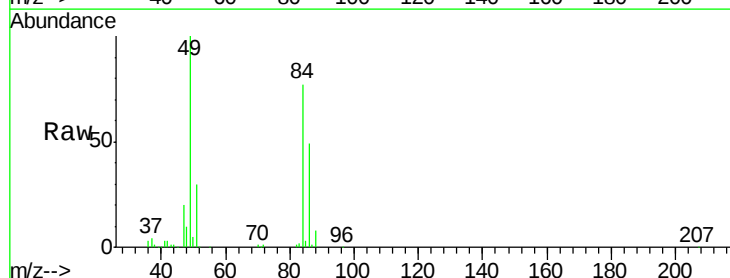
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

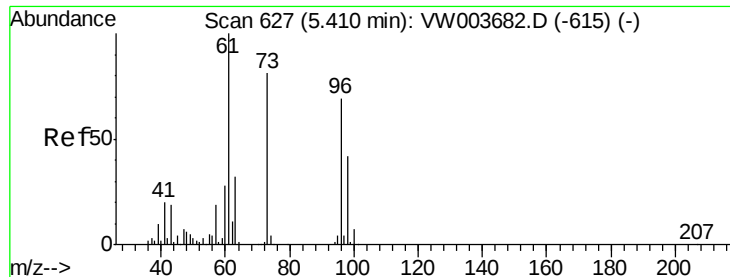
Tot Ion: 73 Resp: 248035
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 49.07 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 84 Resp: 146703
Ion Ratio Lower Upper
84 100
49 129.7 104.6 156.8
51 38.4 33.2 49.8
86 63.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.42 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

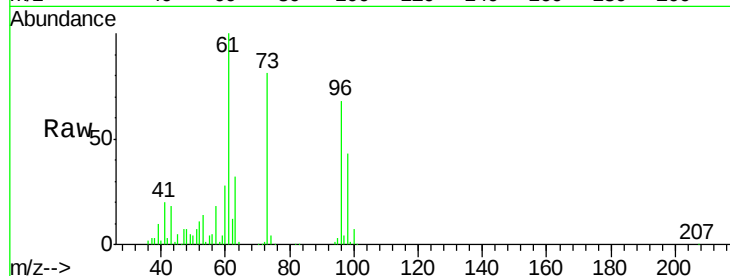
Tot Ion: 96 Resp: 141888

Ion Ratio Lower Upper

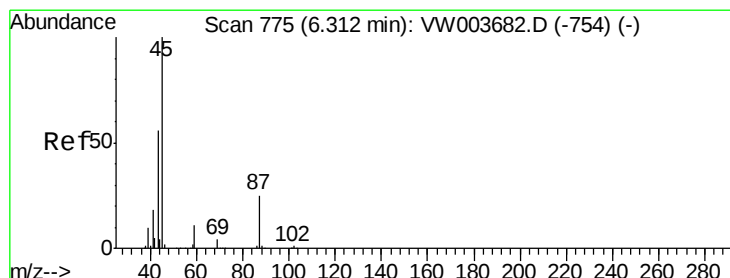
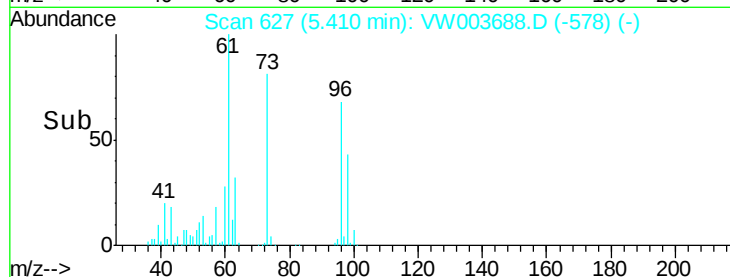
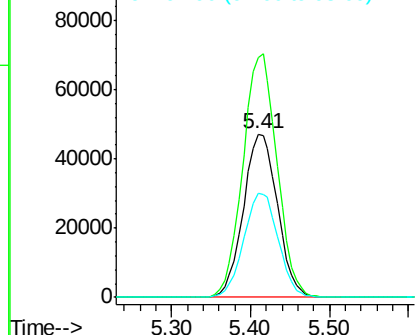
96 100

61 146.9 116.8 175.2

98 63.6 49.6 74.4



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



#22

Diisopropyl ether

Concen: 48.87 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Tgt Ion: 45 Resp: 449196

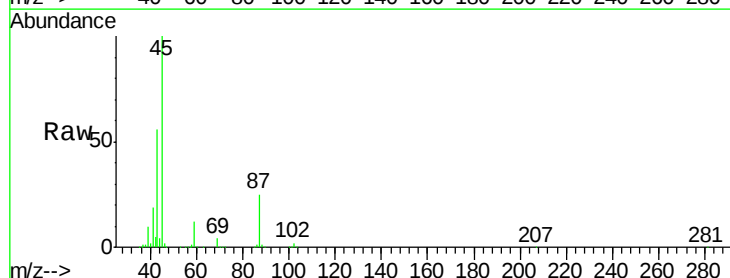
Ion Ratio Lower Upper

45 100

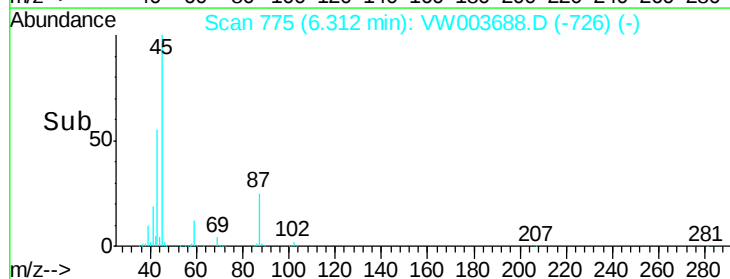
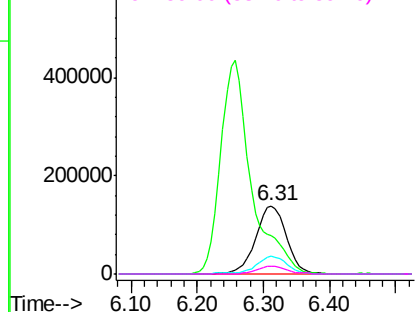
43 55.2 44.5 66.7

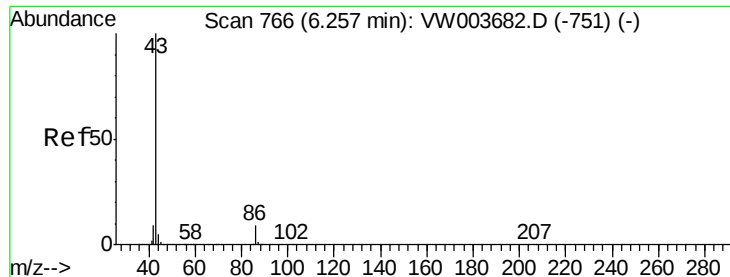
87 25.2 20.2 30.4

59 11.5 8.7 13.1



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





#23

Vinyl Acetate

Concen: 227.42 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

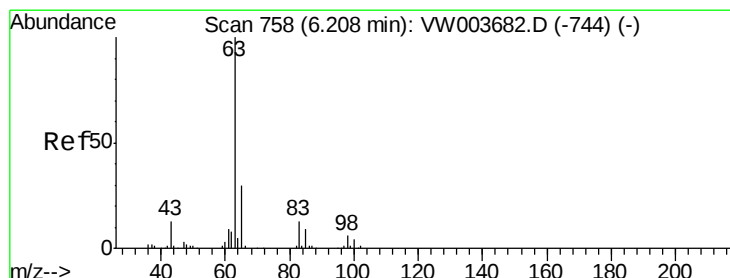
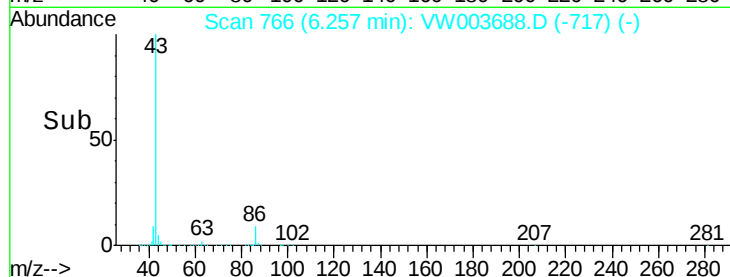
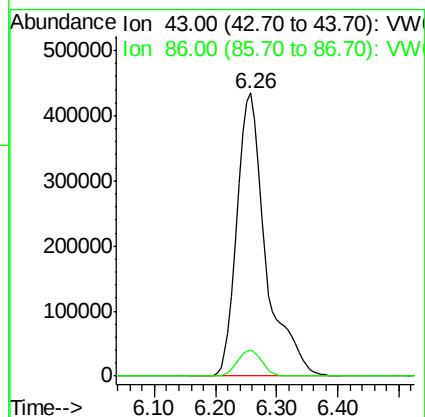
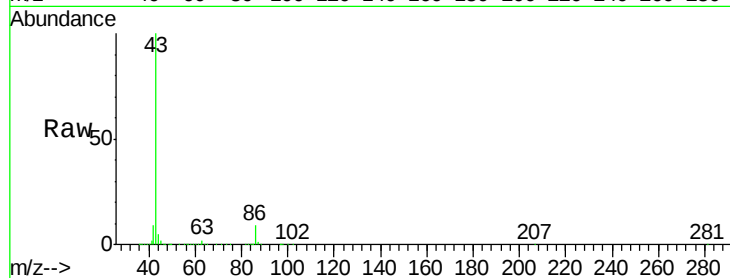
VSTDCCC050

Tot Ion: 43 Resp: 1409165

Ion Ratio Lower Upper

43 100

86 9.3 7.5 11.3



#24

1,1-Dichloroethane

Concen: 48.12 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

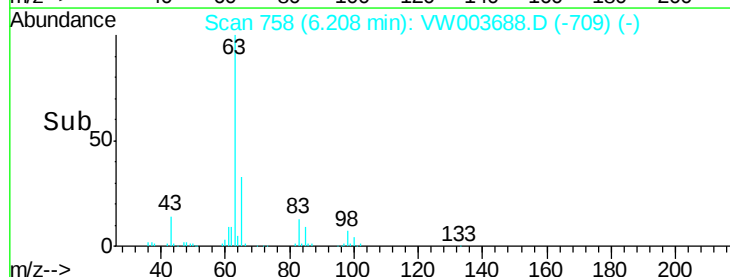
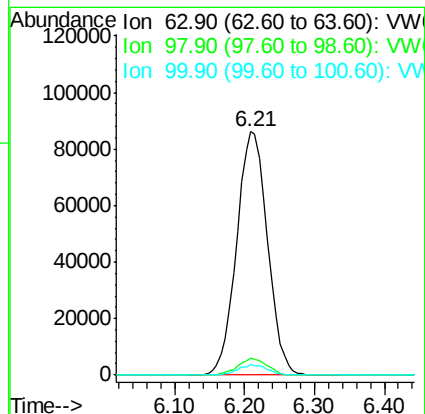
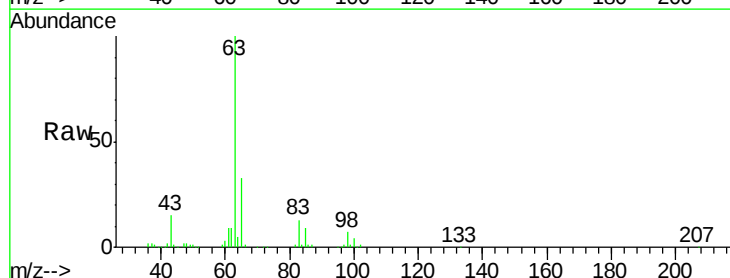
Tgt Ion: 63 Resp: 263764

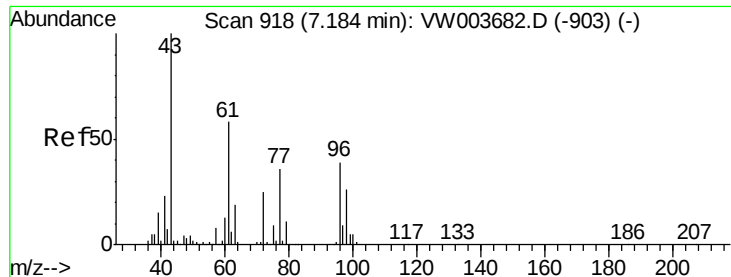
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.6

100 4.3 1.9 5.7





#25

2-Butanone

Concen: 232.91 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

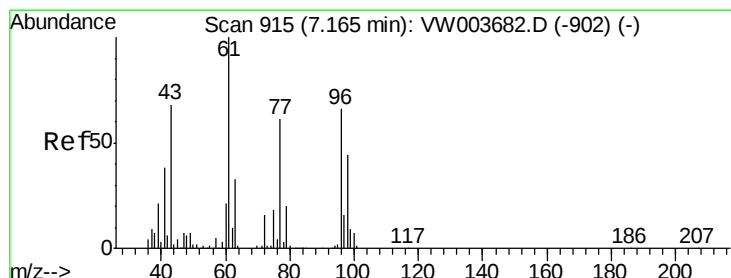
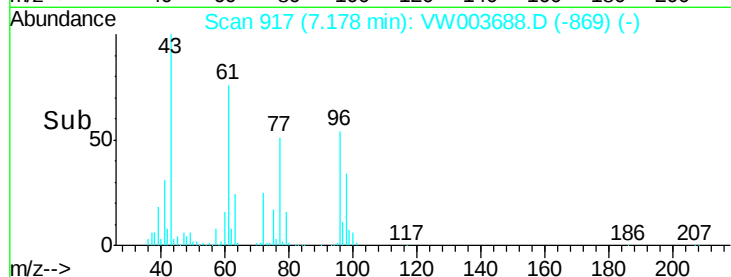
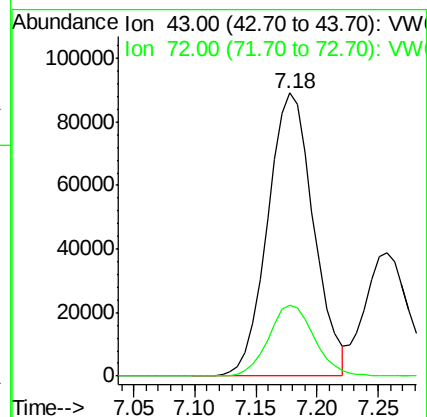
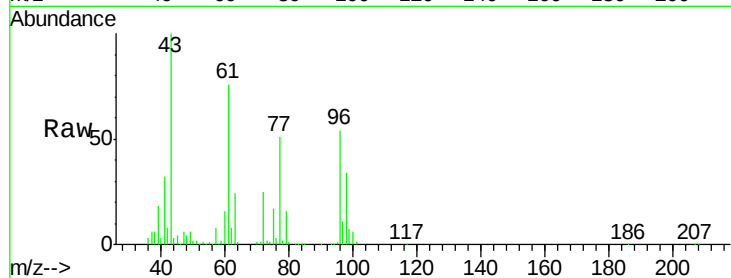
VSTDCCC050

Tot Ion: 43 Resp: 232427

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.4



#26

2,2-Dichloropropane

Concen: 48.76 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003688.D

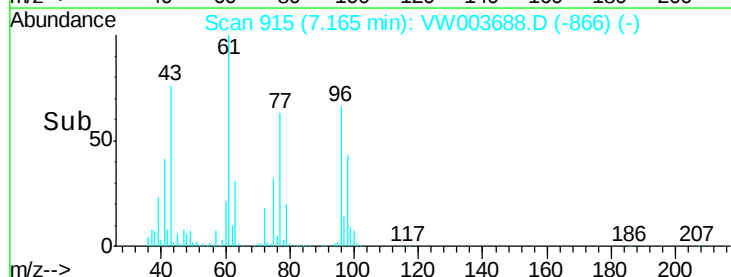
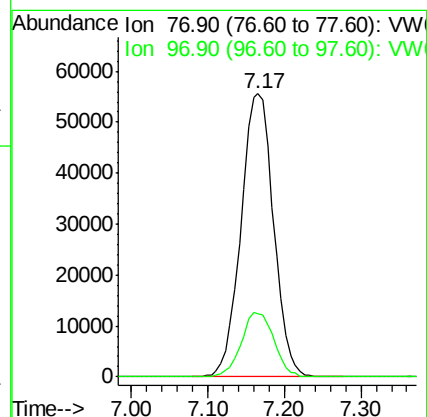
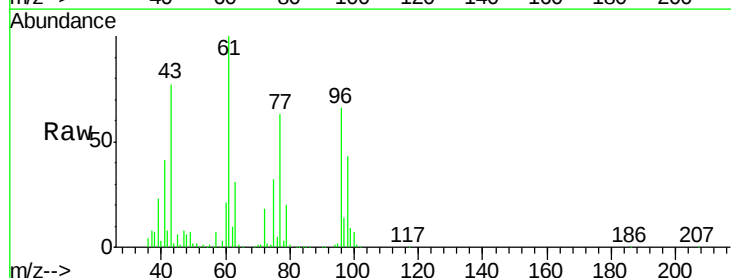
Acq: 03 Jul 2018 10:16

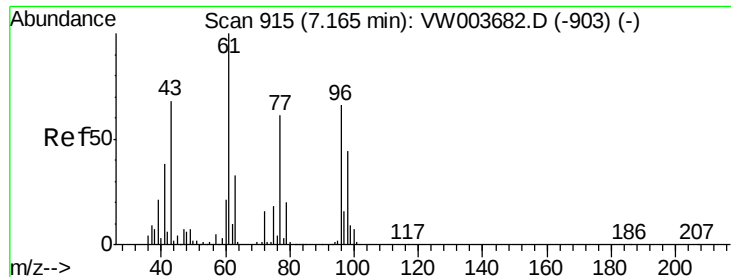
Tgt Ion: 77 Resp: 163876

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1



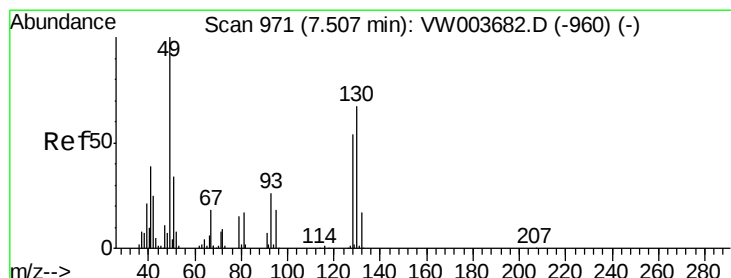
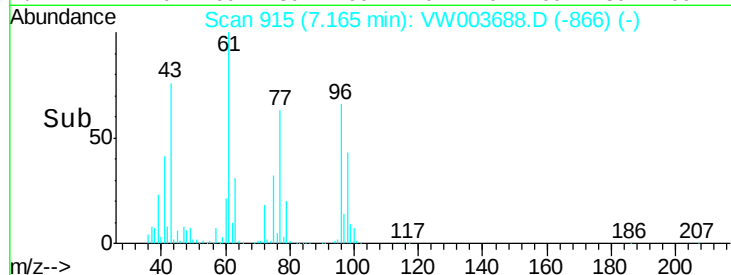
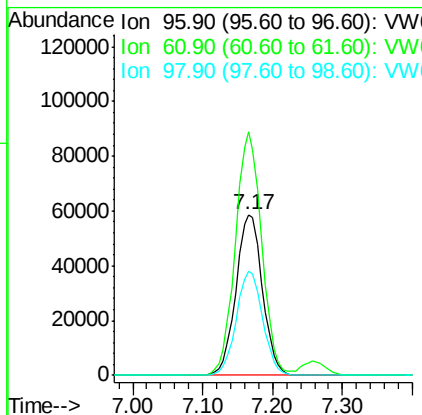
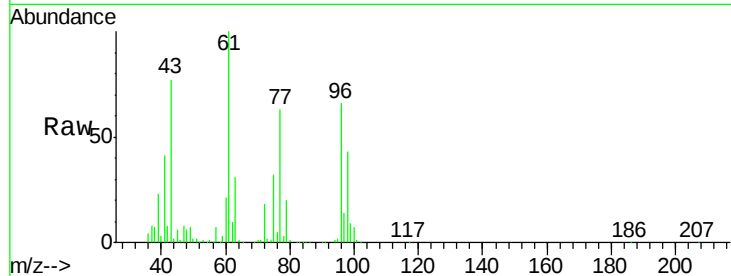


#27

cis-1,2-Dichloroethene
 Concen: 49.27 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

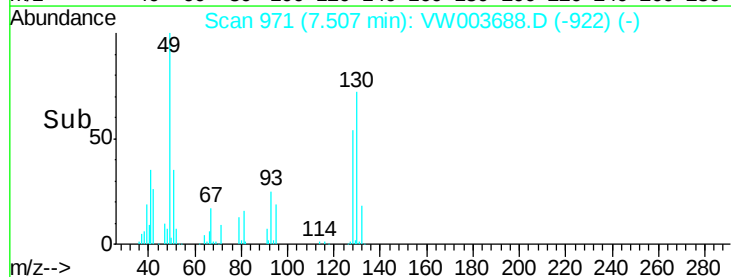
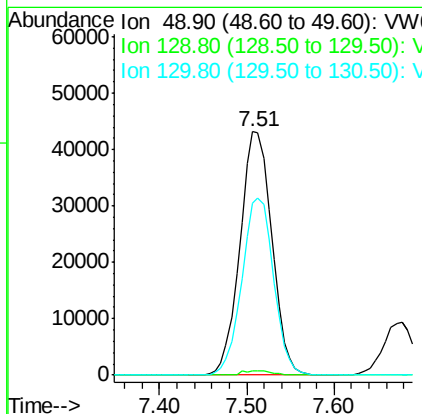
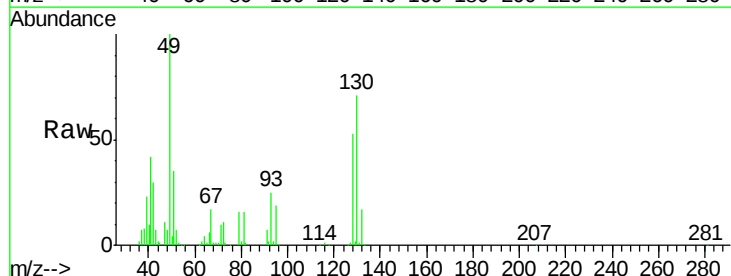
Tot Ion: 96 Resp: 154054
 Ion Ratio Lower Upper
 96 100
 61 149.8 0.0 305.0
 98 64.4 0.0 129.6

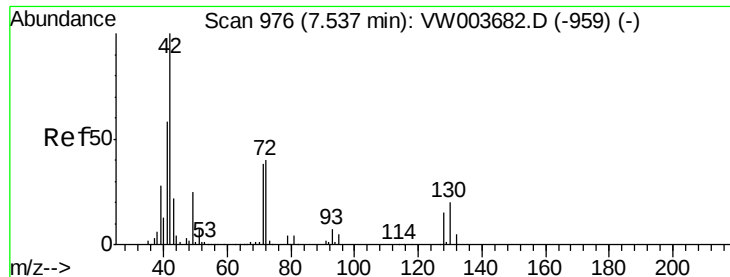


#28

Bromochloromethane
 Concen: 45.47 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 49 Resp: 109571
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.0
 130 72.3 57.0 85.6

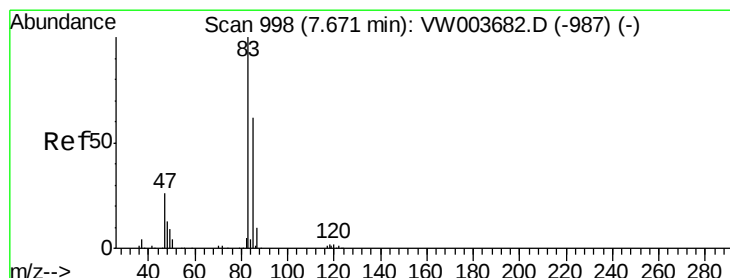
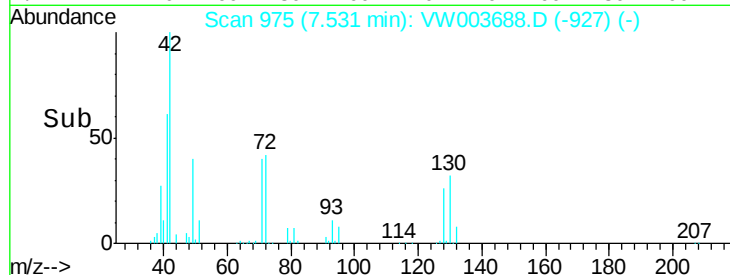
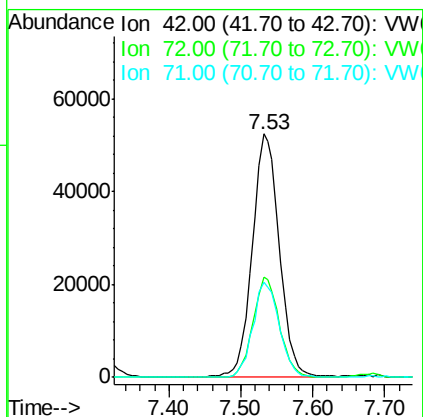
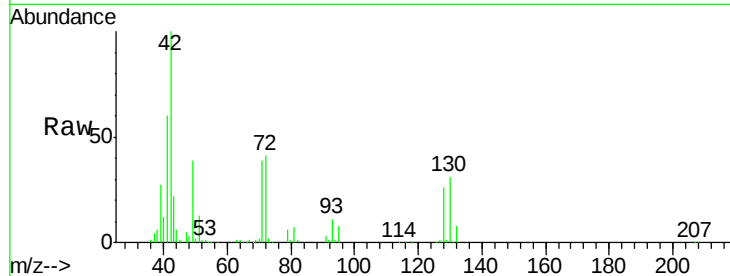




#29
Tetrahydrofuran
Concen: 229.40 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

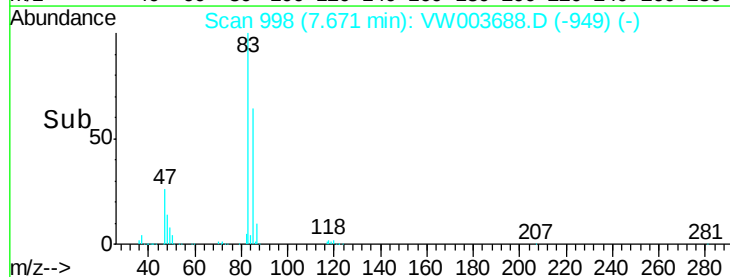
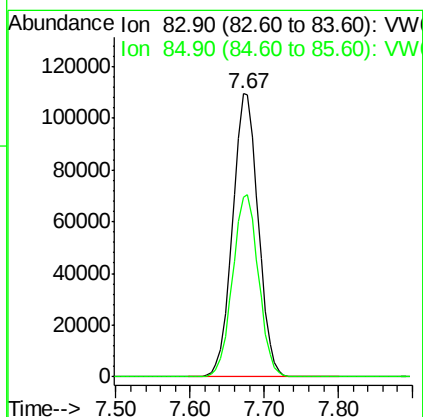
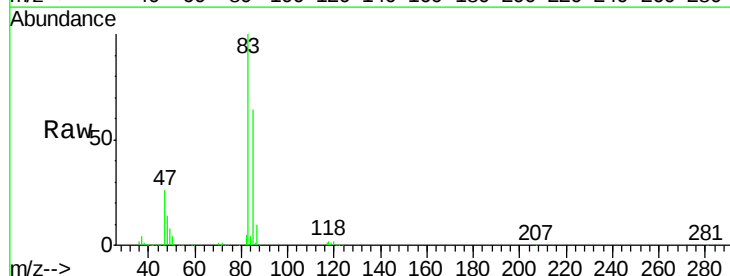
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

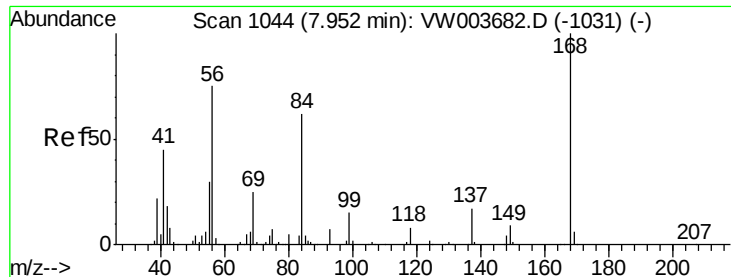
Tot Ion: 42 Resp: 137230
Ion Ratio Lower Upper
42 100
72 40.0 32.0 48.0
71 38.4 30.2 45.2



#30
Chloroform
Concen: 47.73 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 83 Resp: 264567
Ion Ratio Lower Upper
83 100
85 63.6 49.7 74.5

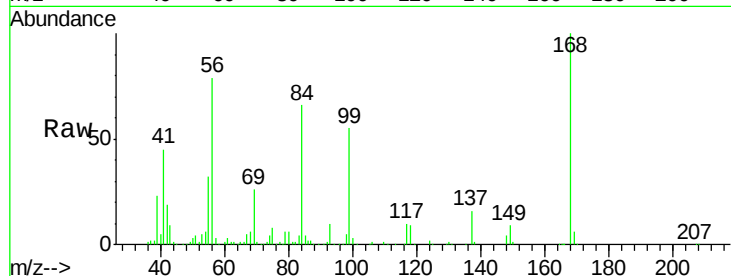




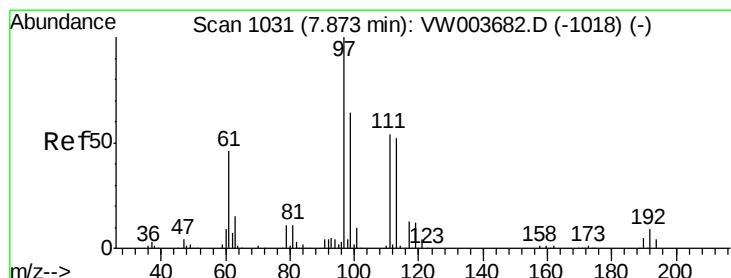
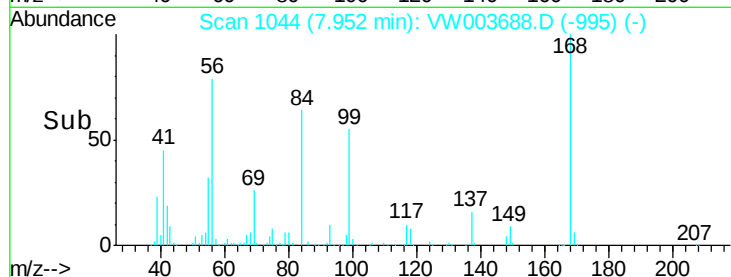
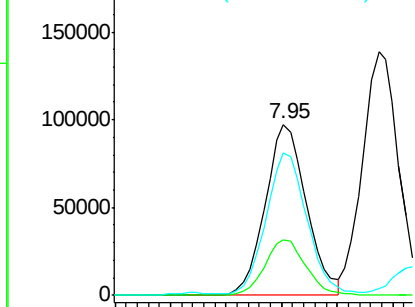
#31
Cyclohexane
Concen: 50.11 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 250093
Ion Ratio Lower Upper
56 100
69 32.5 27.0 40.4
84 82.3 65.4 98.0

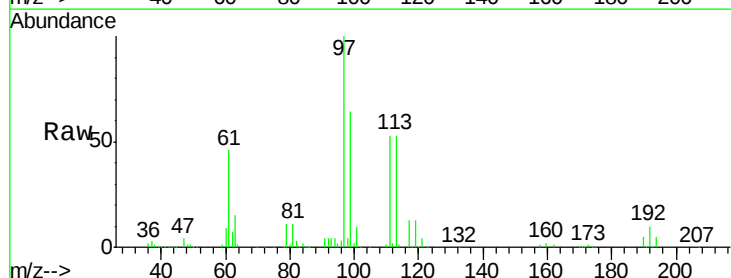


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

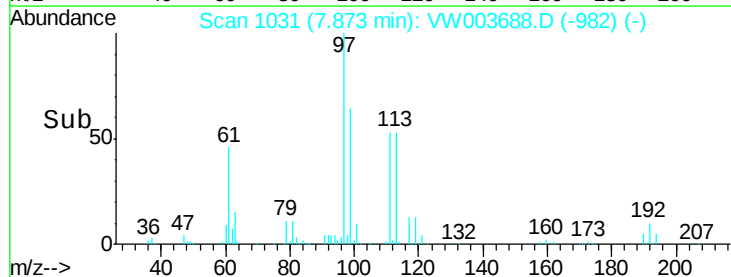
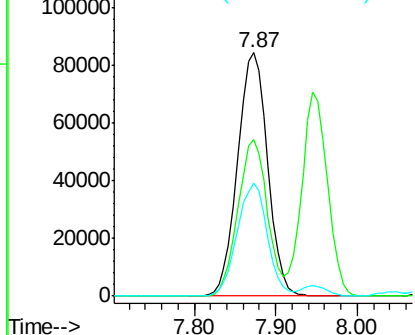


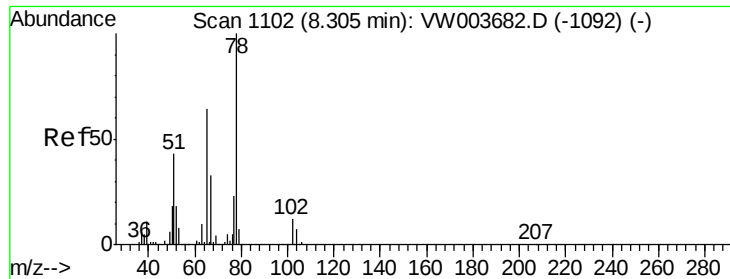
#32
1,1,1-Trichloroethane
Concen: 49.97 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 97 Resp: 215624
Ion Ratio Lower Upper
97 100
99 62.9 50.6 76.0
61 46.5 37.2 55.8



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

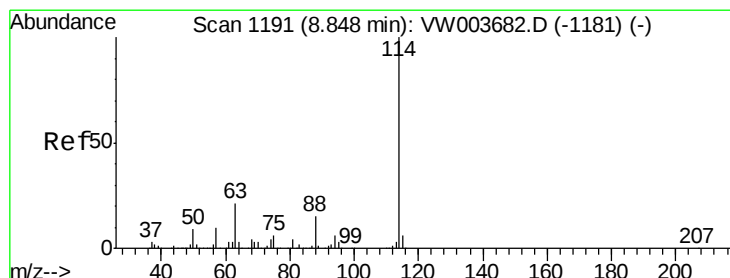
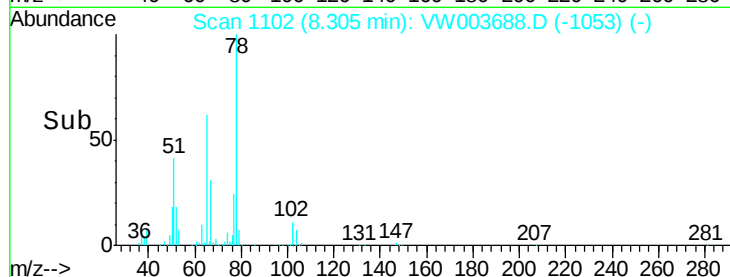
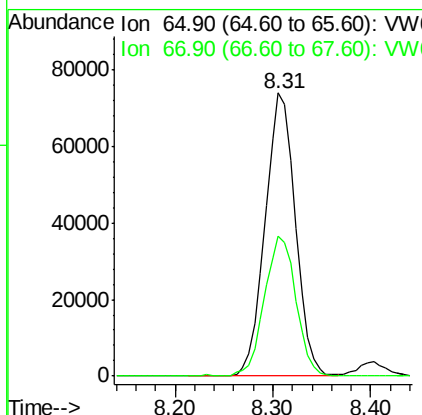
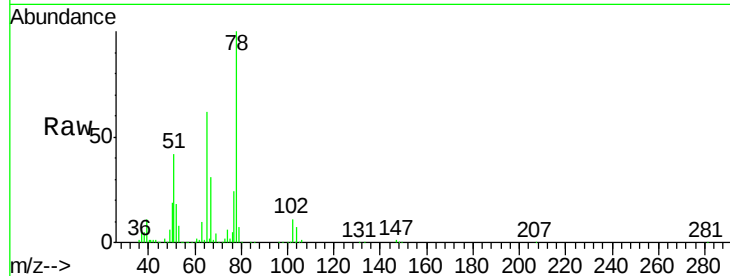




#33
 1,2-Dichloroethane-d4
 Concen: 48.67 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

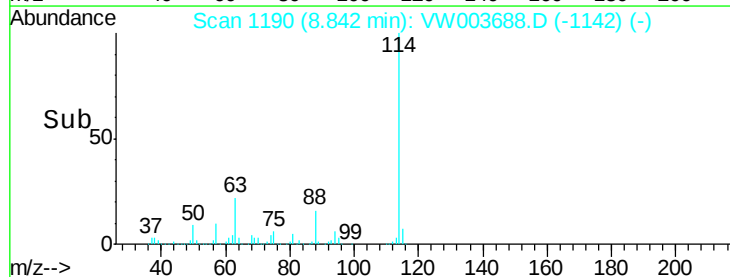
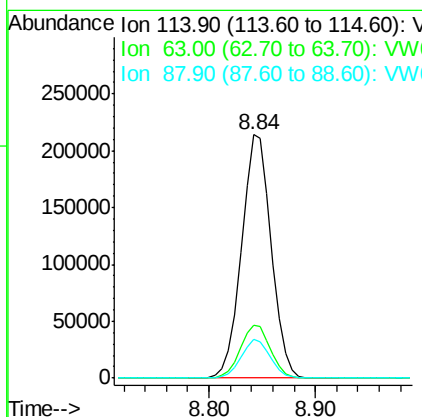
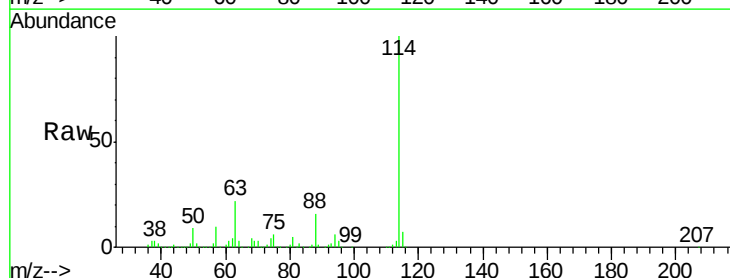
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

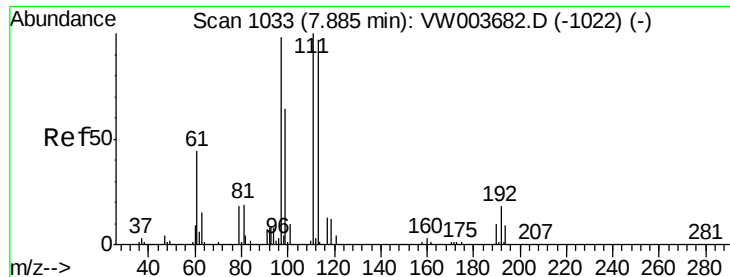
Tot Ion: 65 Resp: 158918
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 114 Resp: 417999
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.6
 88 15.8 0.0 29.8

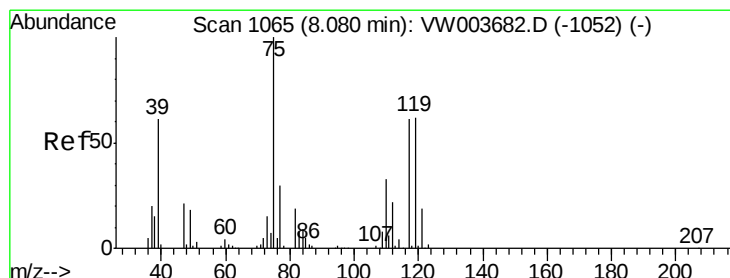
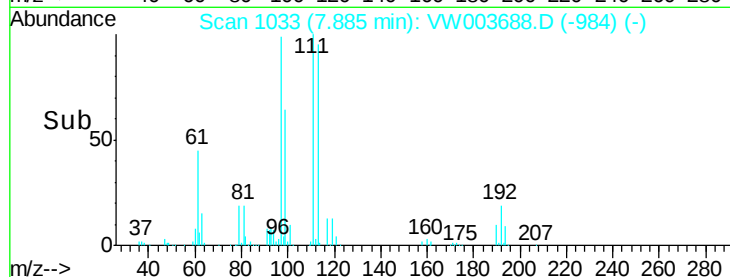
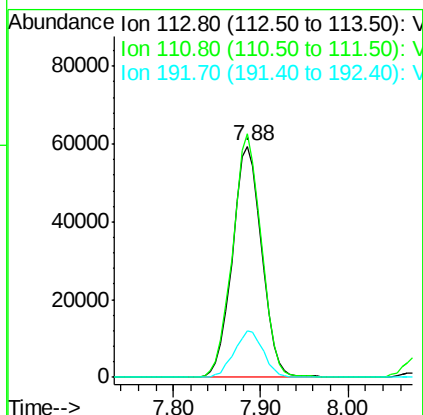
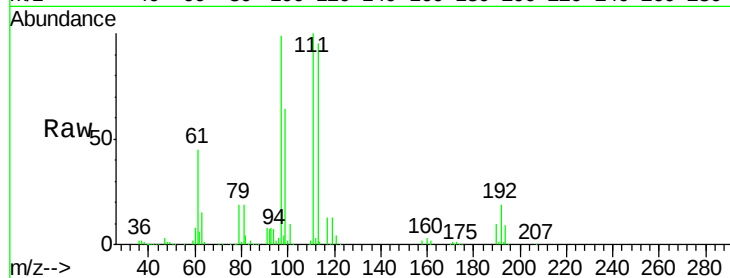




#35
 Dibromofluoromethane
 Concen: 50.84 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

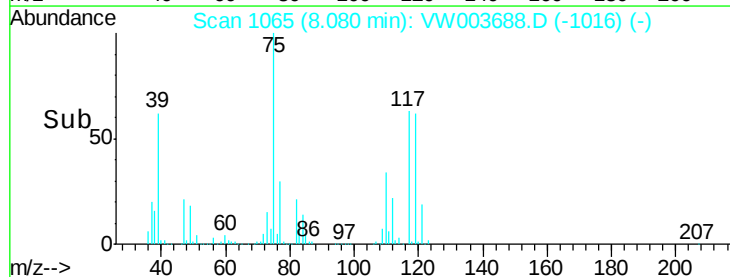
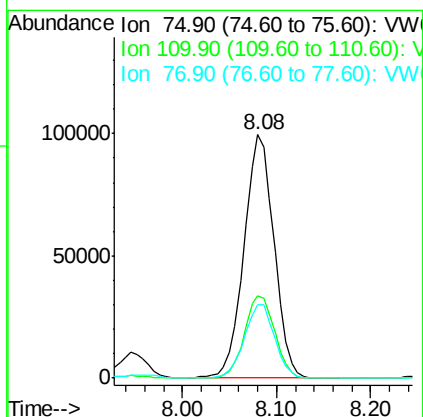
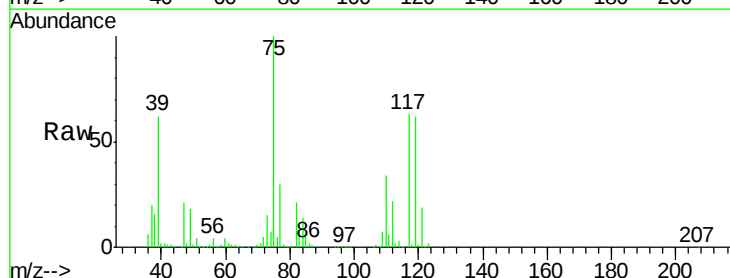
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

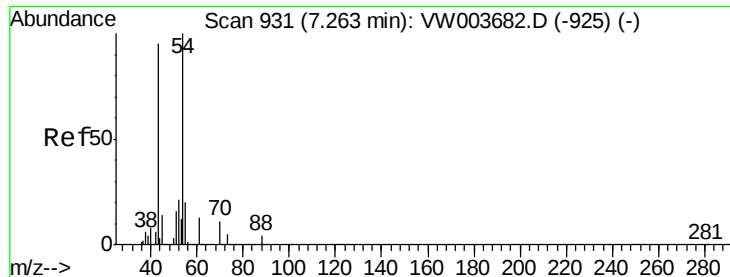
Tot Ion:113 Resp: 138612
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 19.9 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 52.43 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 75 Resp: 220015
 Ion Ratio Lower Upper
 75 100
 110 34.3 16.9 50.6
 77 31.0 24.9 37.3

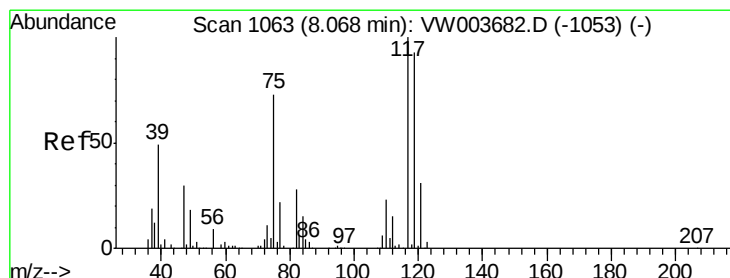
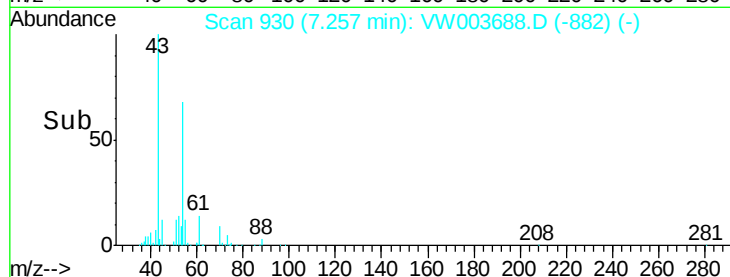
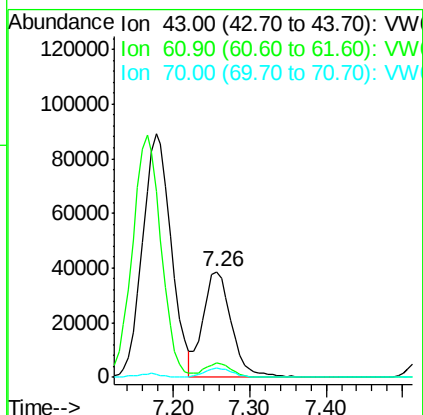
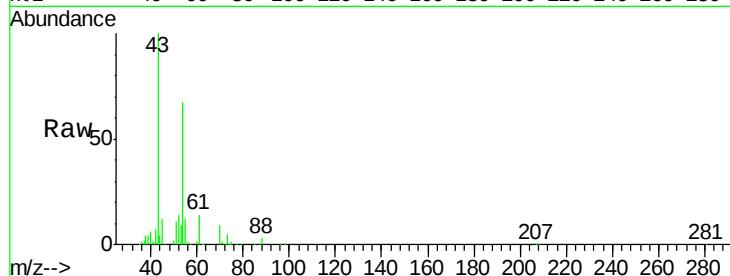




#37
Ethyl Acetate
Concen: 49.01 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

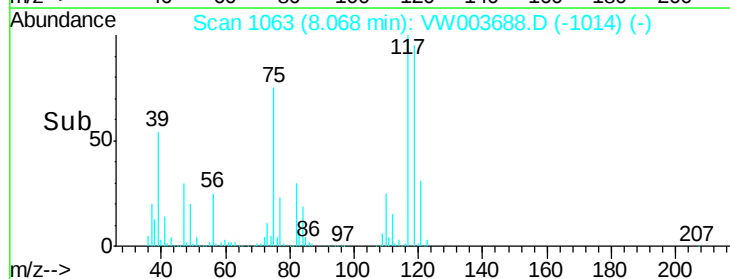
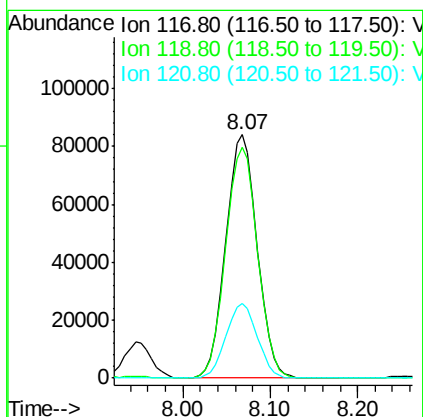
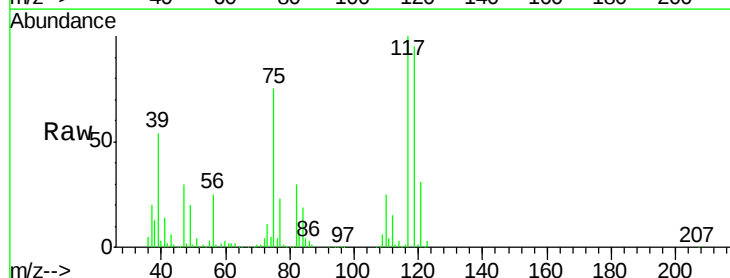
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

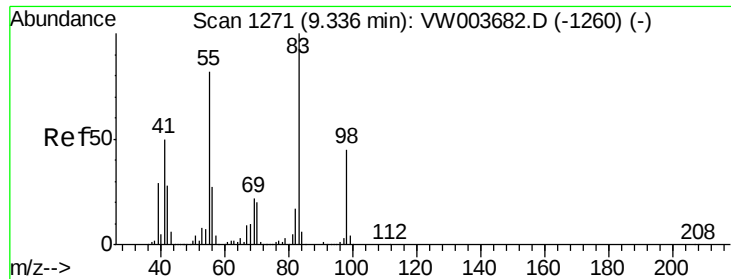
Tot Ion: 43 Resp: 100096
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 8.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 52.37 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 117 Resp: 209030
Ion Ratio Lower Upper
117 100
119 94.7 74.1 111.1
121 30.7 25.0 37.4

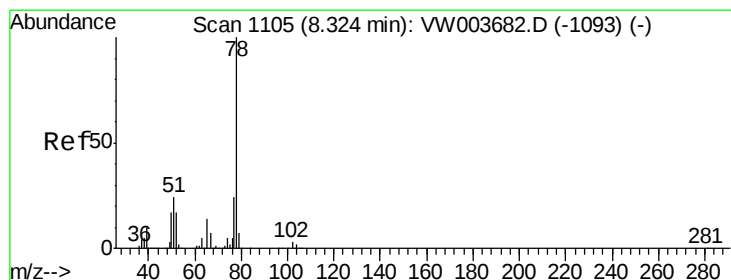
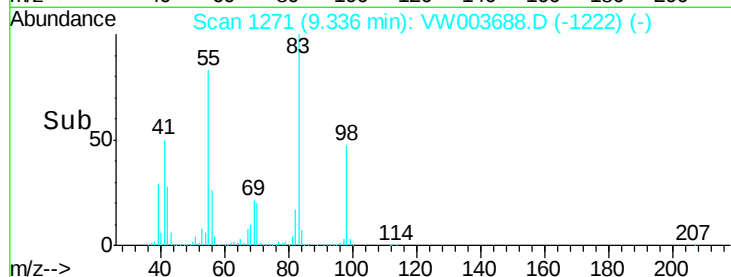
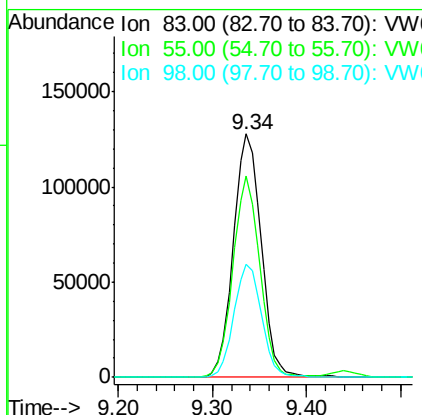
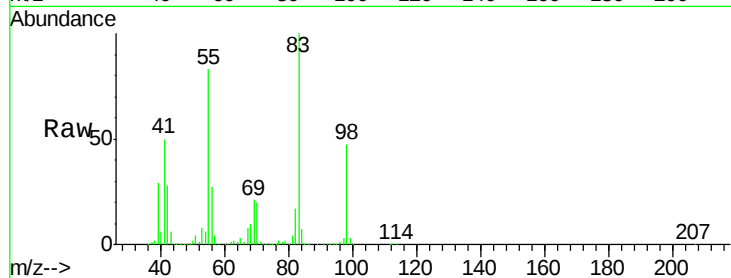




#39
Methvlcvclohexane
Concen: 54.44 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

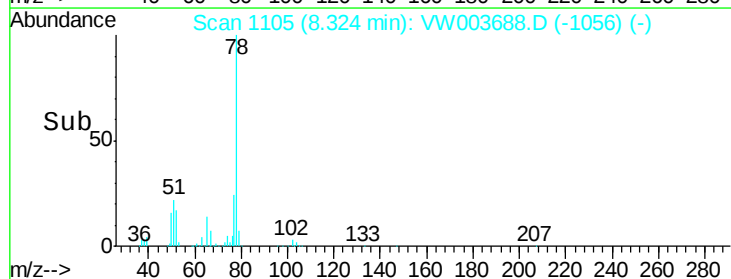
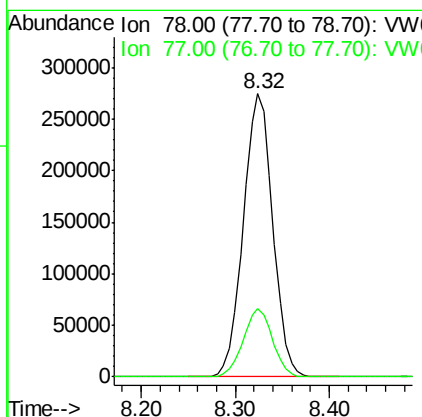
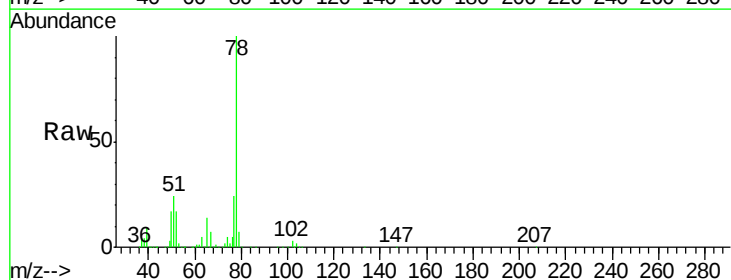
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

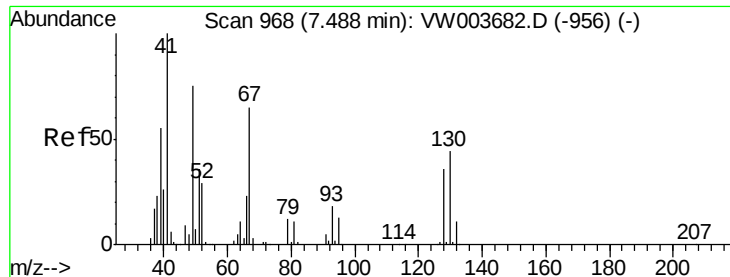
Tot Ion: 83 Resp: 263034
Ion Ratio Lower Upper
83 100
55 82.6 65.3 97.9
98 46.6 36.3 54.5



#40
Benzene
Concen: 50.88 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 78 Resp: 600055
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0





#41

Methacrylonitrile

Concen: 48.98 ug/l

RT: 7.48 min Scan# 967

Delta R.T. -0.01 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56863

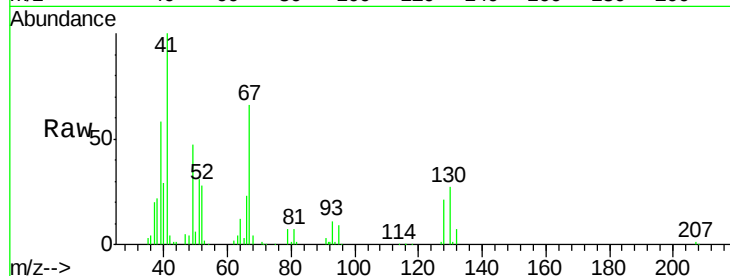
Ion Ratio Lower Upper

41 100

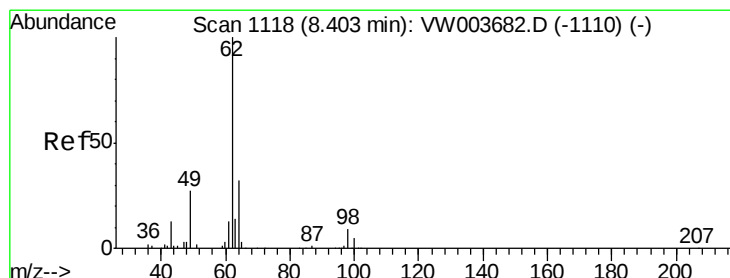
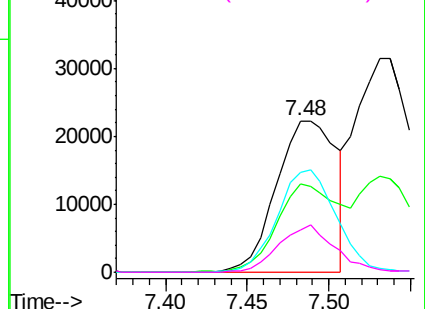
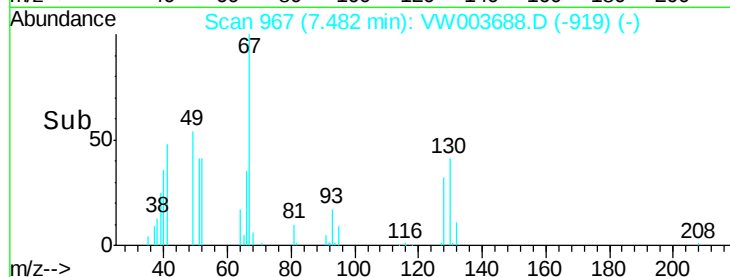
39 62.7 47.8 71.8

67 66.5 53.9 80.9

52 29.6 25.0 37.6



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



#42

1,2-Dichloroethane

Concen: 49.48 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003688.D

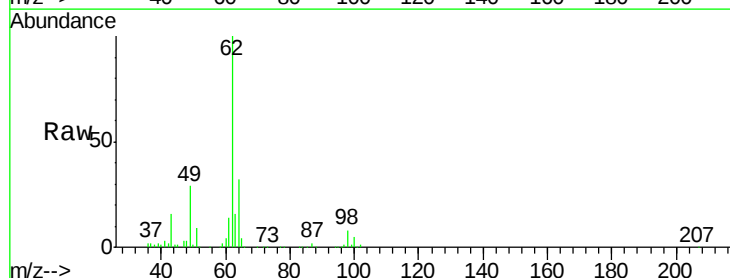
Acq: 03 Jul 2018 10:16

Tgt Ion: 62 Resp: 183727

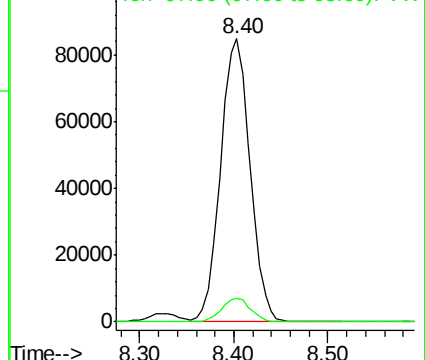
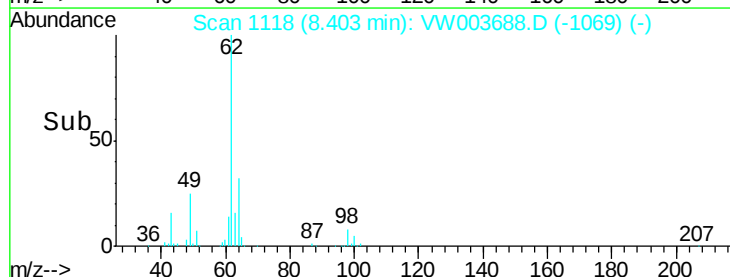
Ion Ratio Lower Upper

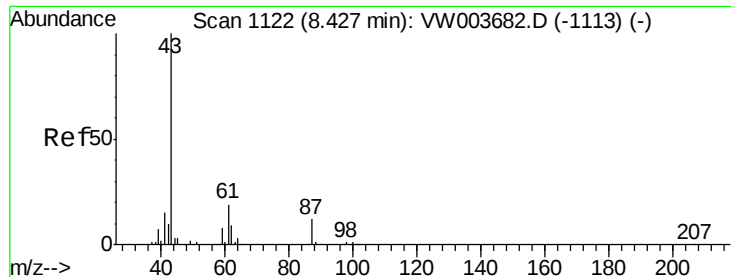
62 100

98 8.4 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 47.87 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

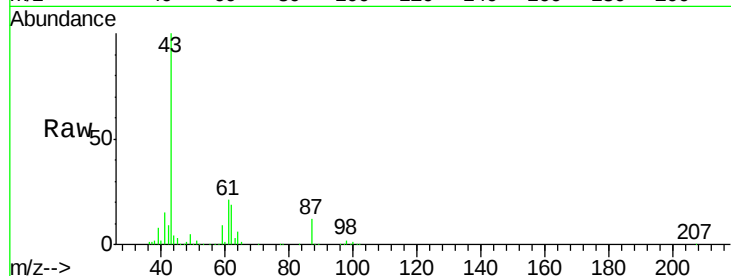
Tot Ion: 43 Resp: 184136

Ion Ratio Lower Upper

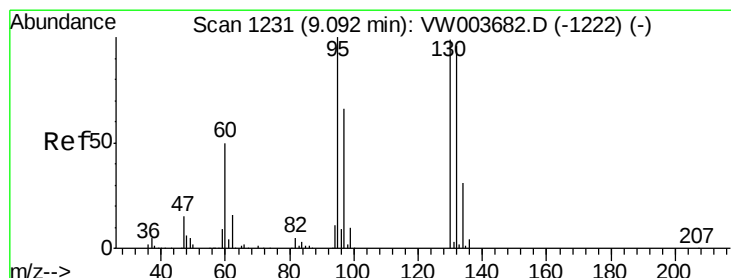
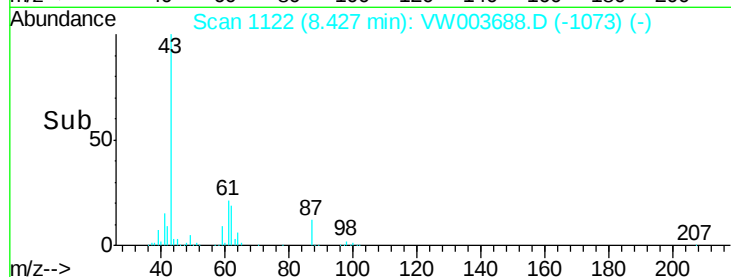
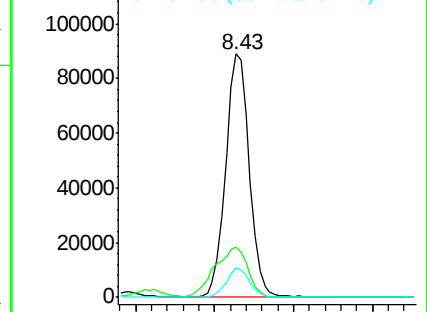
43 100

61 29.1 23.0 34.6

87 11.8 9.8 14.6



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



#44

Trichloroethene

Concen: 50.90 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003688.D

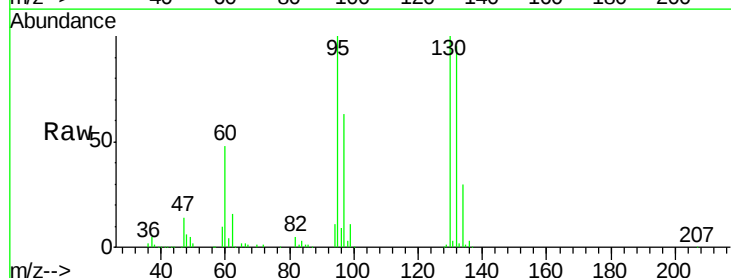
Acq: 03 Jul 2018 10:16

Tgt Ion: 130 Resp: 155194

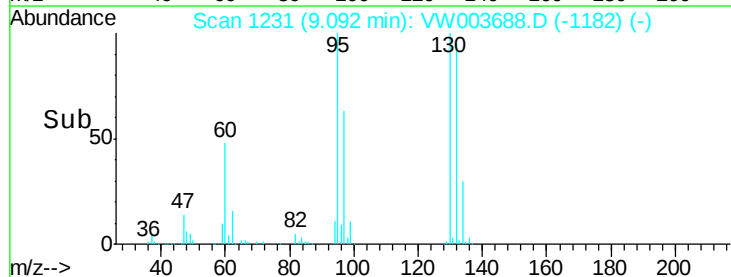
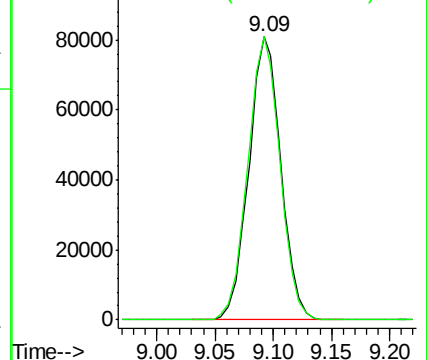
Ion Ratio Lower Upper

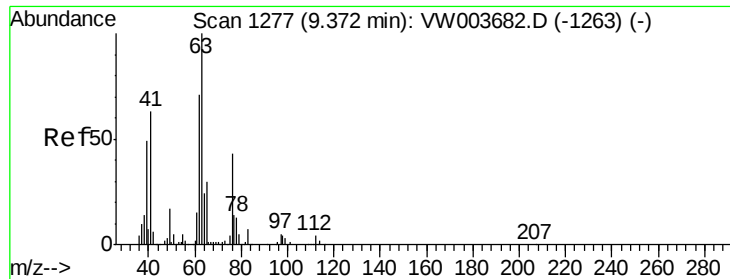
130 100

95 100.0 0.0 202.6



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





#45

1,2-Dichloropropane

Concen: 49.44 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

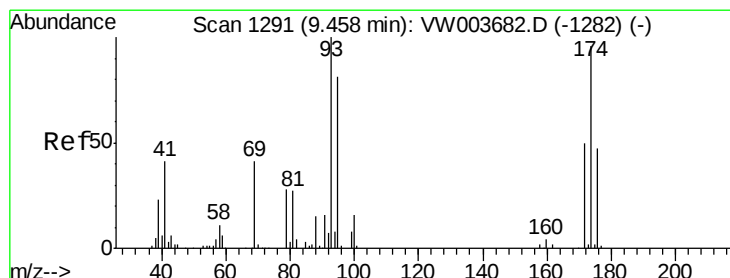
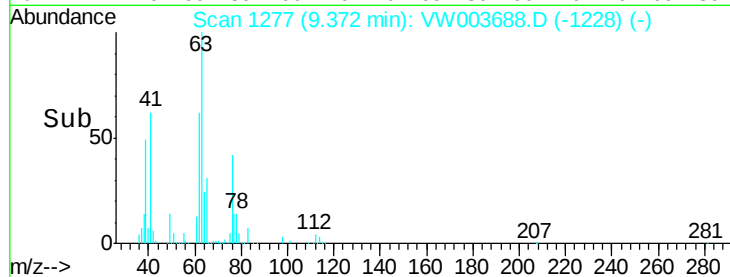
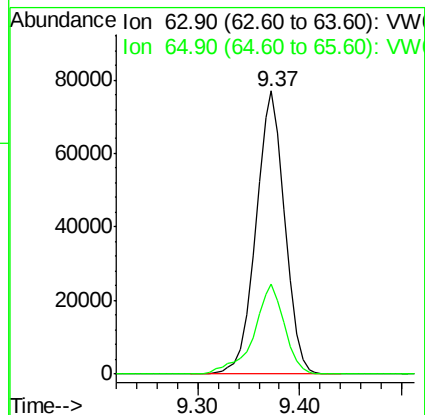
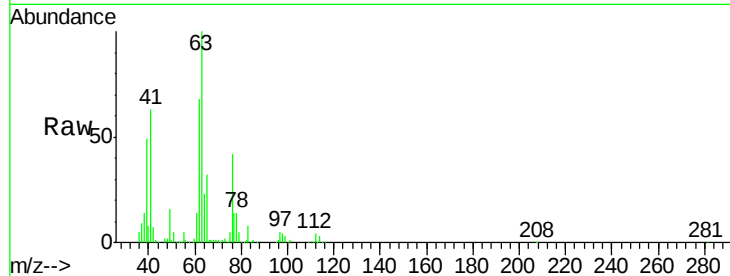
VSTDCCC050

Tot Ion: 63 Resp: 151260

Ion Ratio Lower Upper

63 100

65 31.8 24.3 36.5



#46

Dibromomethane

Concen: 49.10 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

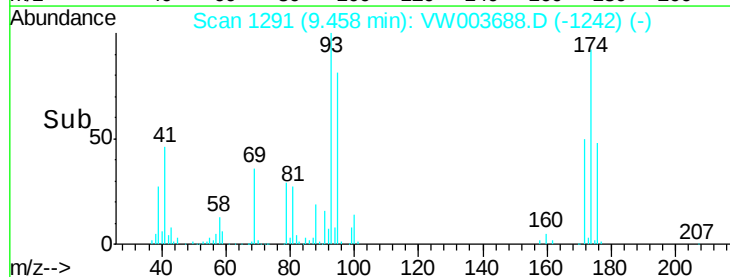
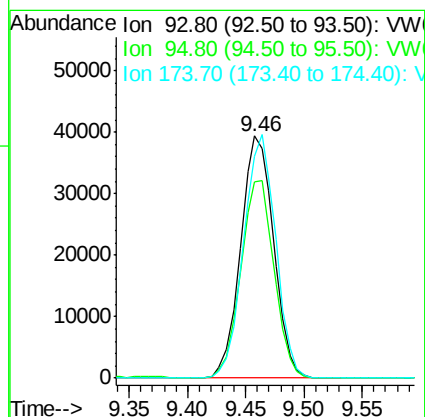
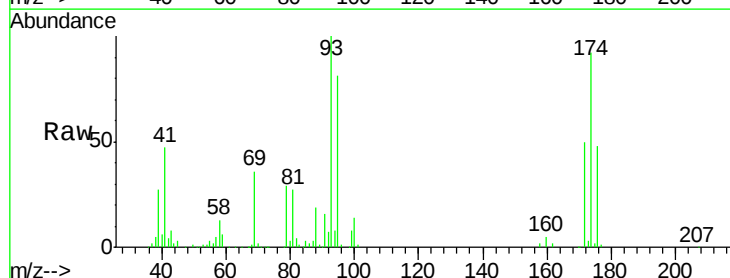
Tgt Ion: 93 Resp: 78015

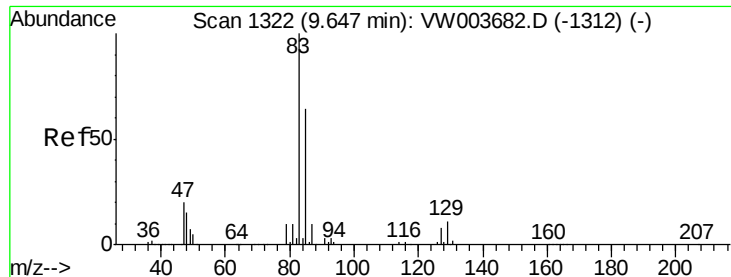
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 97.7 79.6 119.4





#47

Bromodichloromethane

Concen: 49.84 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

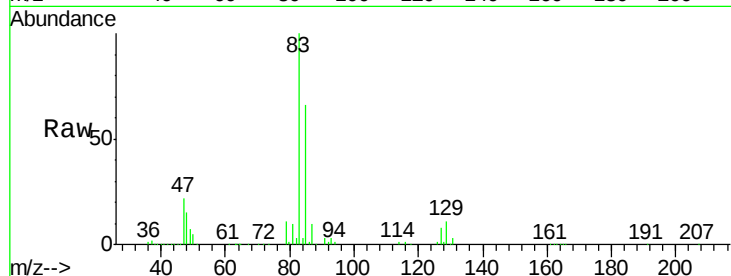
Tot Ion: 83 Resp: 195741

Ion Ratio Lower Upper

83 100

85 65.9 51.1 76.7

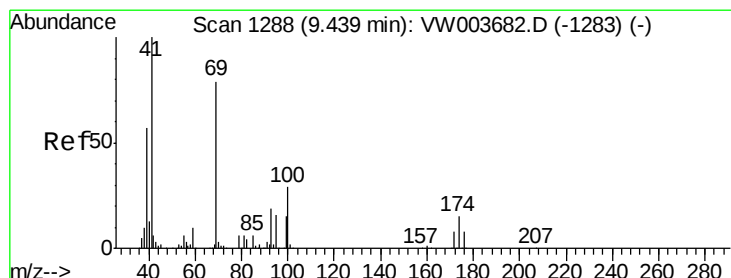
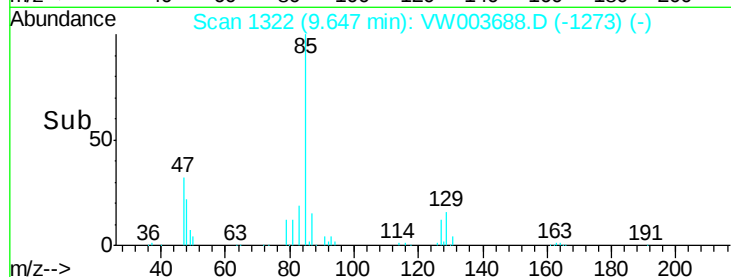
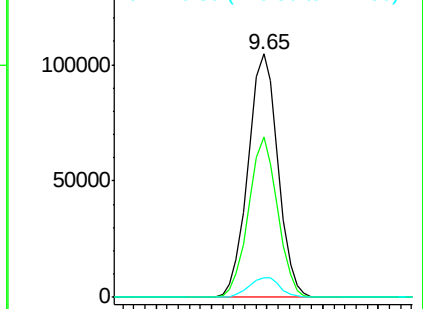
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 44.69 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

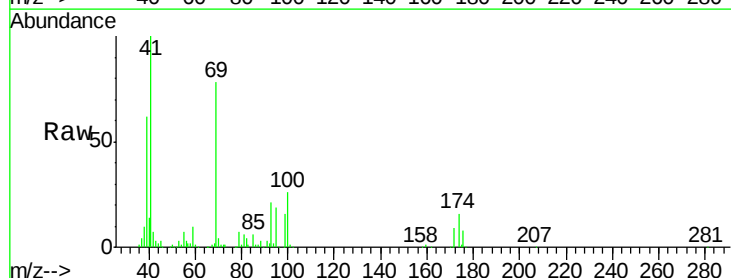
Tgt Ion: 41 Resp: 90070

Ion Ratio Lower Upper

41 100

69 80.9 65.4 98.2

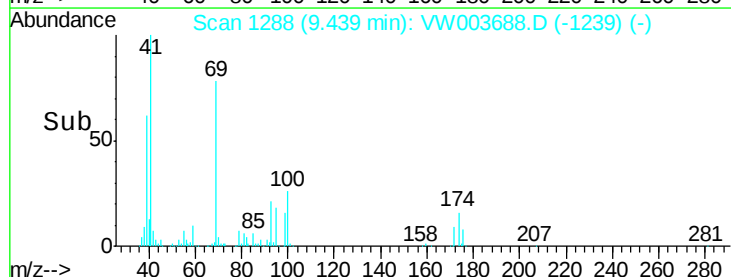
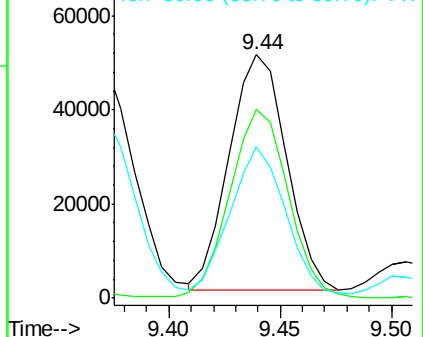
39 63.7 50.0 75.0

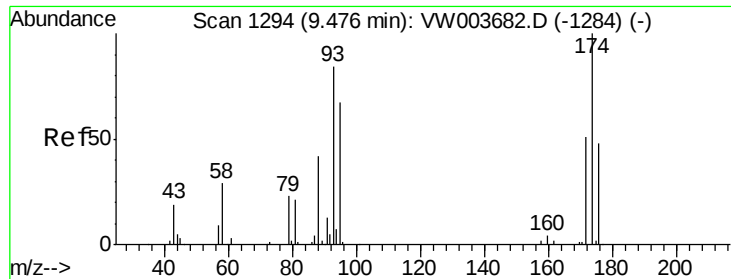


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

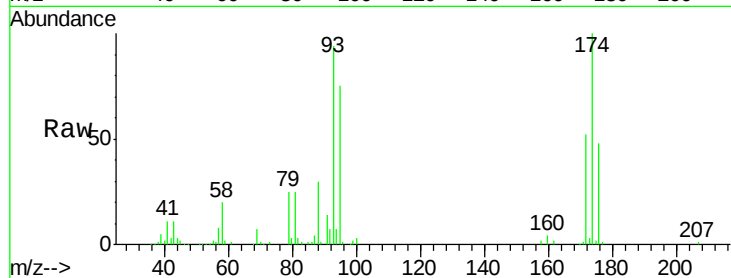




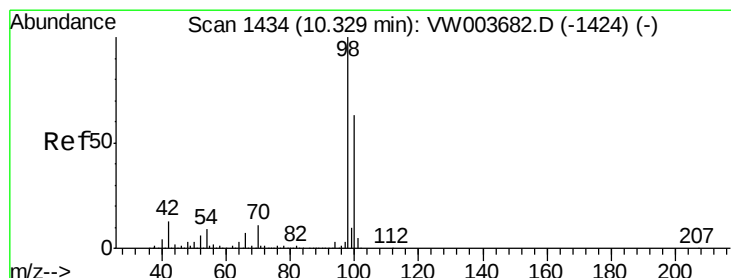
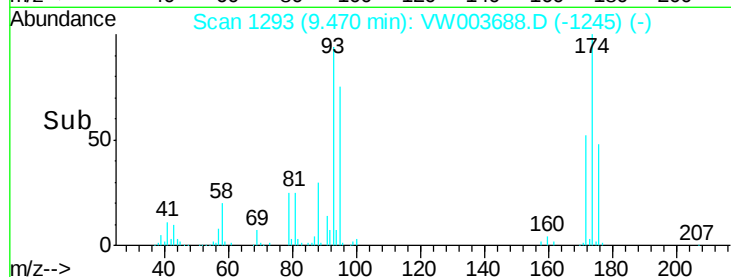
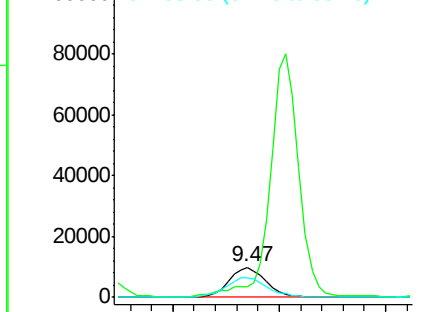
#49
1,4-Dioxane
Concen: 965.60 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 24067
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.3 61.8 92.6

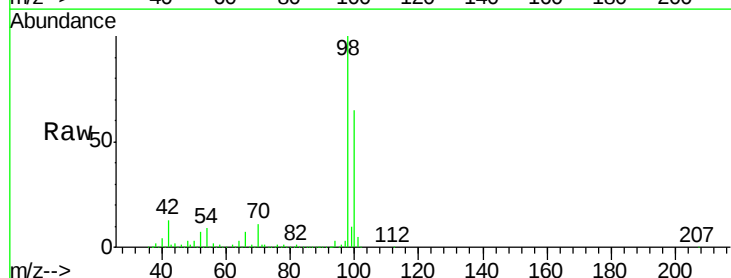


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

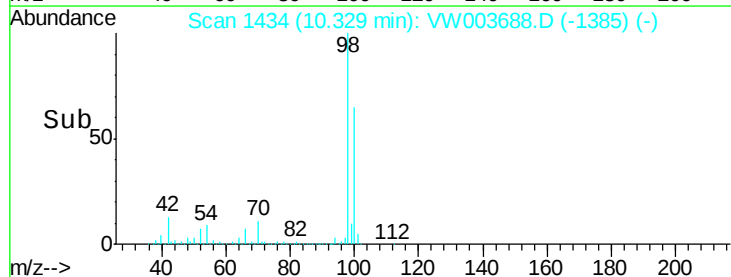
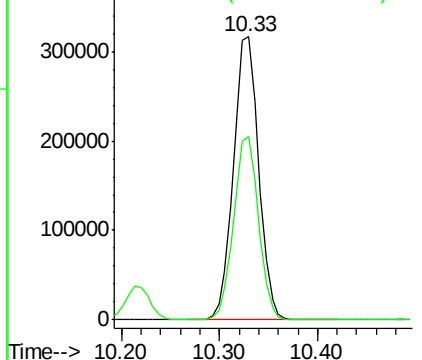


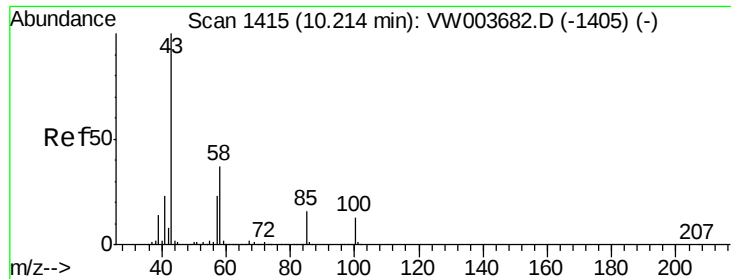
#50
Toluene-d8
Concen: 52.79 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 98 Resp: 564972
Ion Ratio Lower Upper
98 100
100 63.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

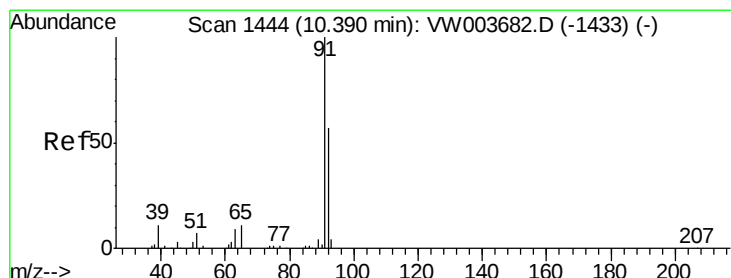
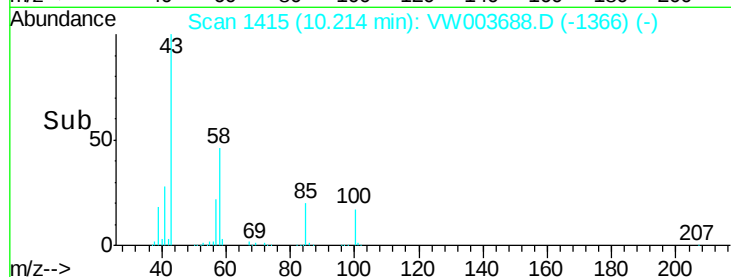
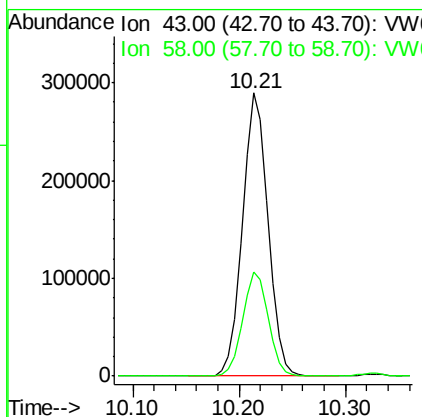
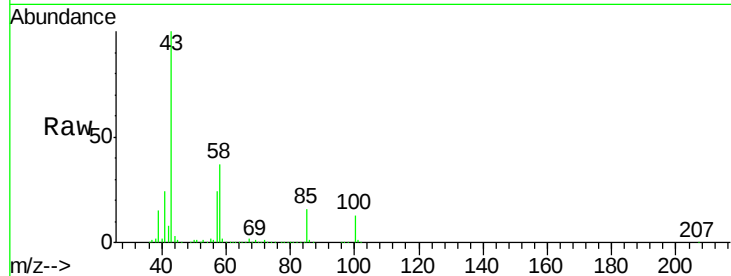




#51
 4-Methyl-2-Pentanone
 Concen: 240.86 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

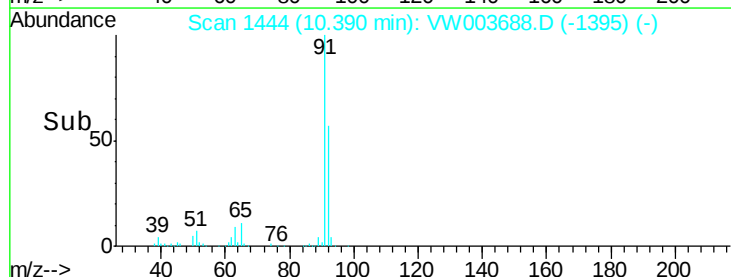
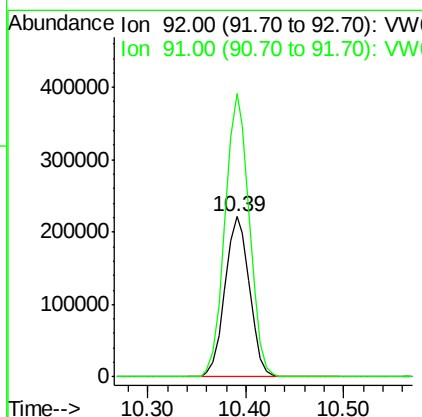
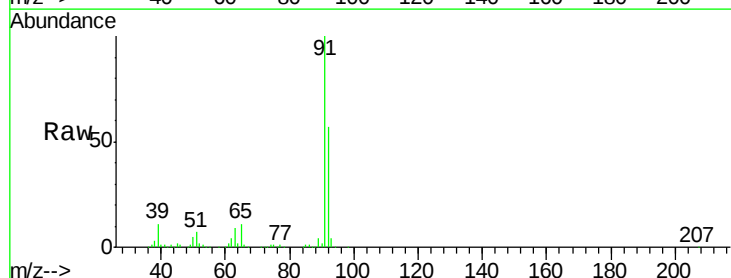
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

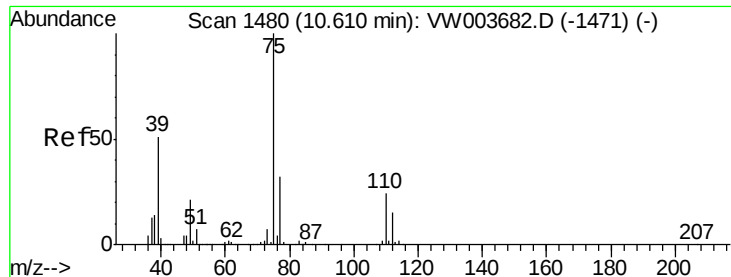
Tot Ion: 43 Resp: 488211
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.6 44.4



#52
 Toluene
 Concen: 52.06 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 92 Resp: 383143
 Ion Ratio Lower Upper
 92 100
 91 175.1 140.2 210.2

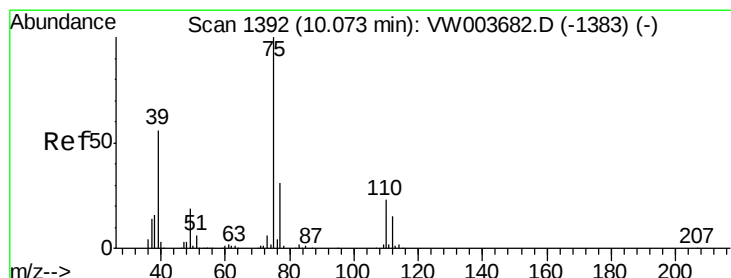
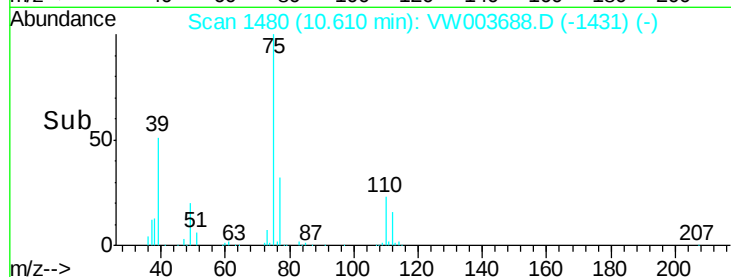
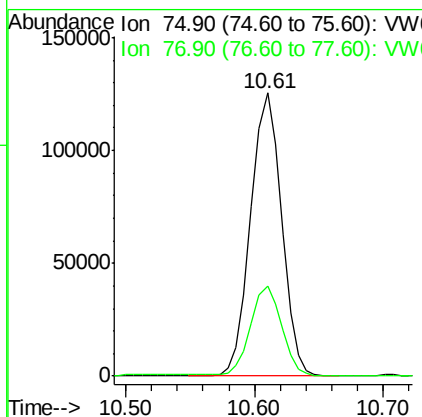
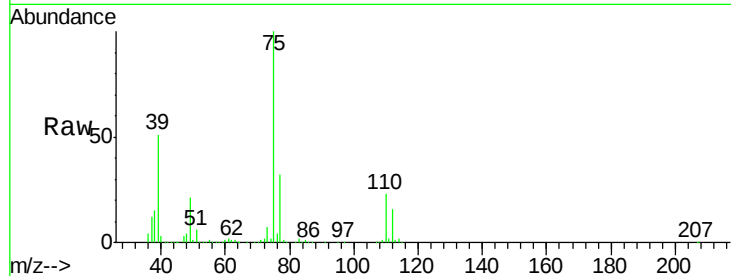




#53
t-1,3-Dichloropropene
Concen: 51.21 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

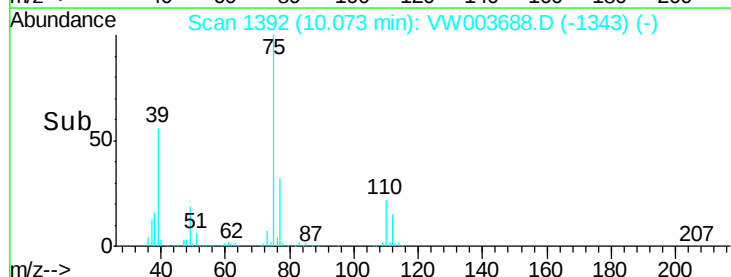
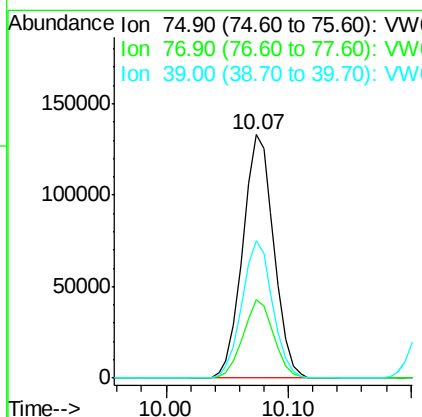
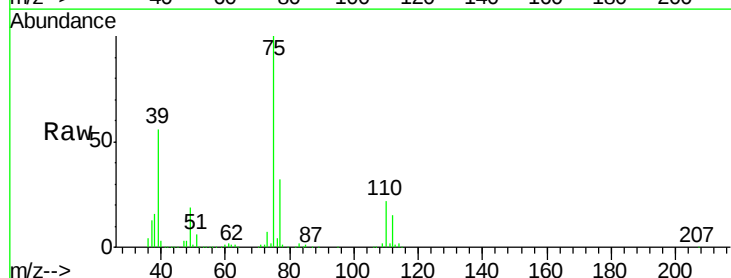
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

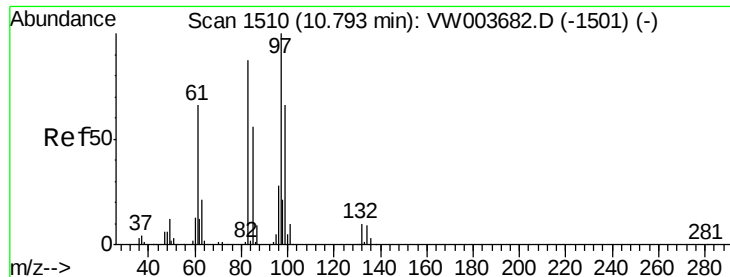
Tot Ion: 75 Resp: 208674
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 50.82 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 75 Resp: 234783
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 56.4 44.6 67.0

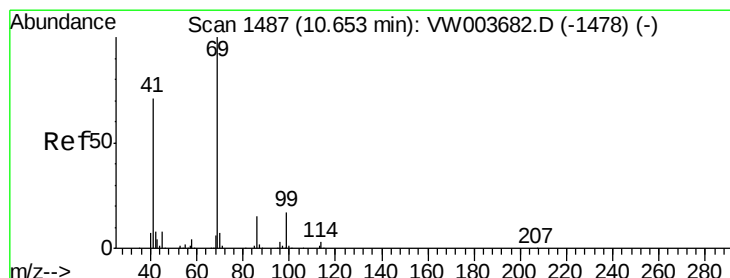
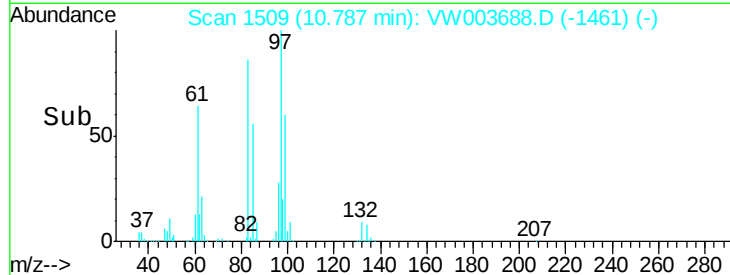
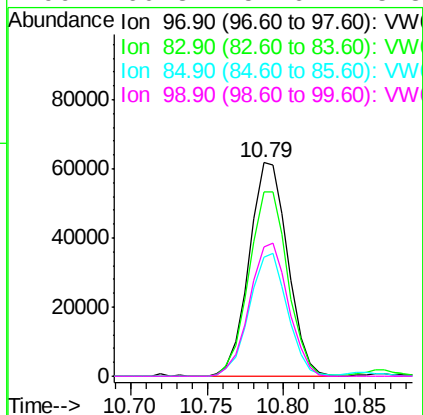
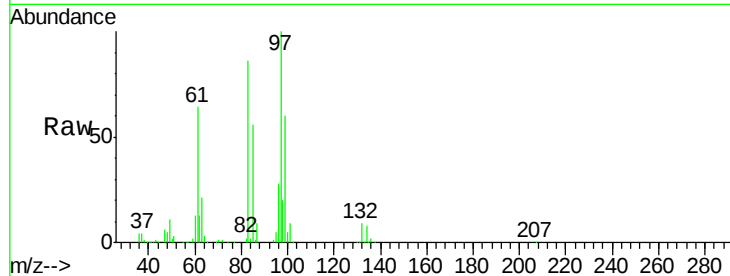




#55
 1,1,2-Trichloroethane
 Concen: 48.57 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

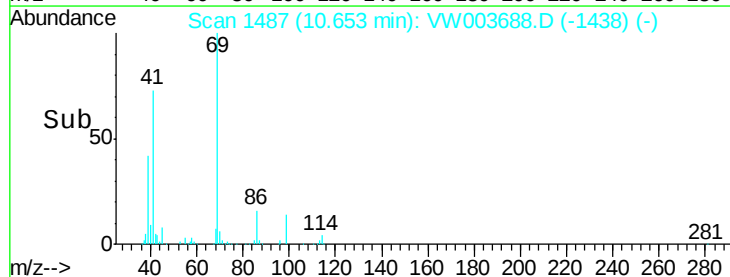
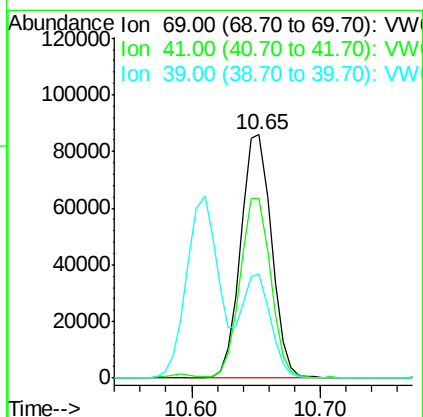
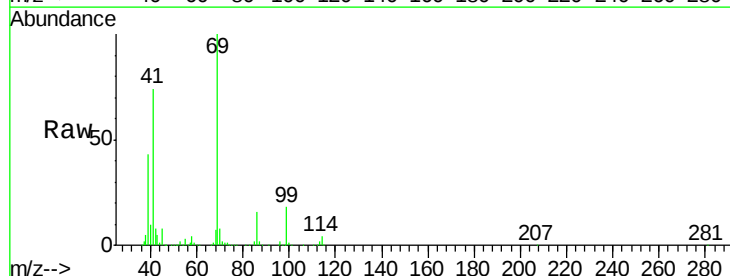
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

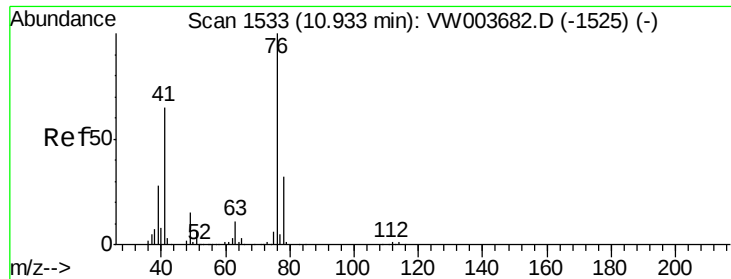
Tot Ion:	97	Resp:	108712
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.5	104.3
85	55.5	44.7	67.1
99	60.3	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 45.14 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion:	69	Resp:	142191
Ion	Ratio	Lower	Upper
69	100		
41	73.0	57.5	86.3
39	37.1	29.4	44.0

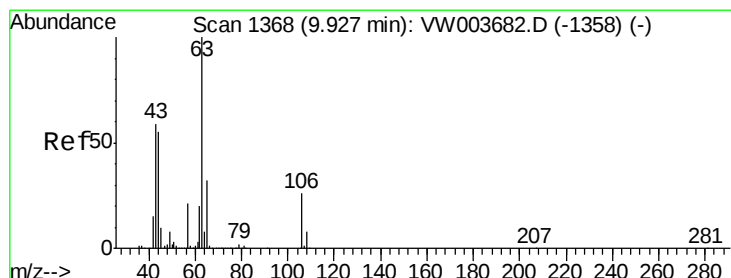
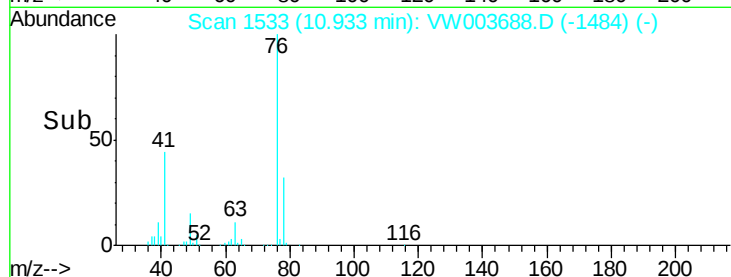
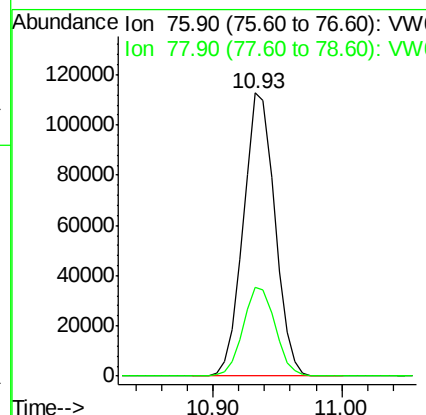
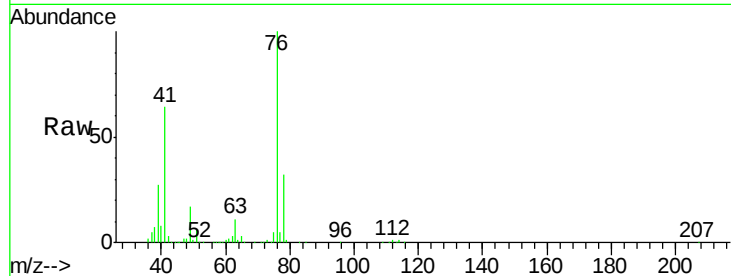




#57
 1,3-Dichloropropane
 Concen: 49.08 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

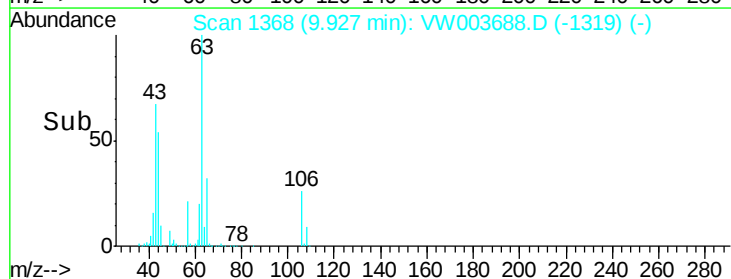
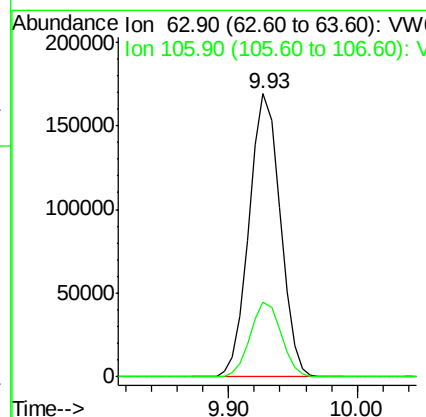
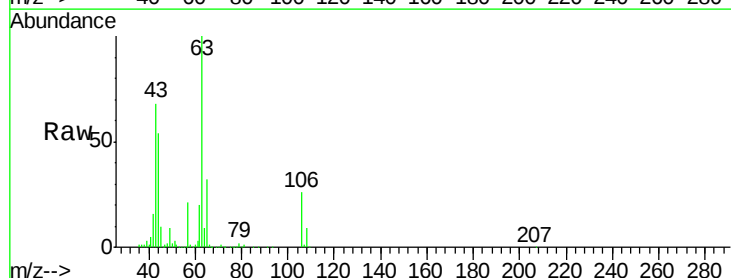
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

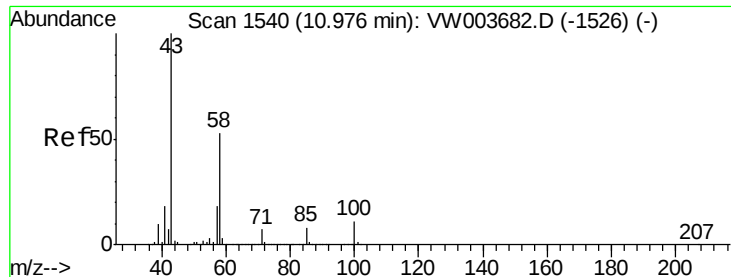
Tot Ion: 76 Resp: 190835
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.94 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 63 Resp: 282299
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.7 31.1

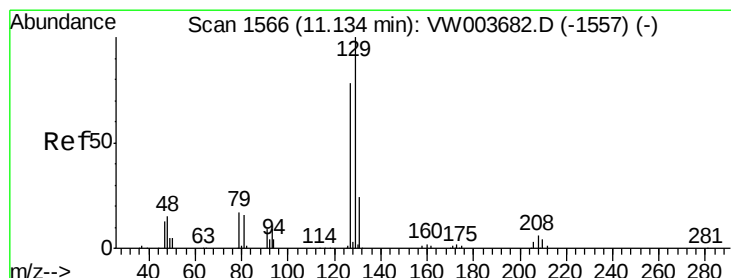
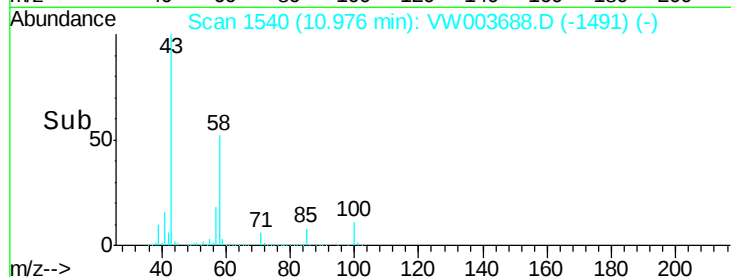
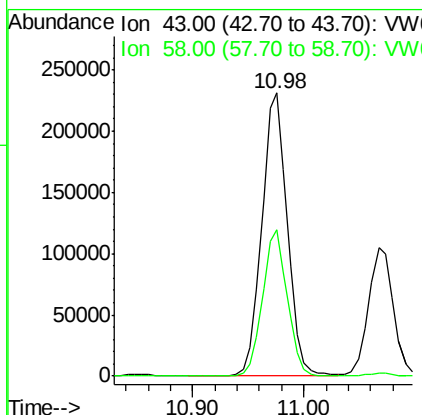
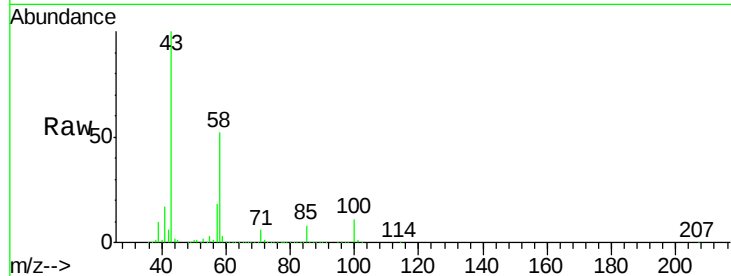




#59
2-Hexanone
Concen: 254.94 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

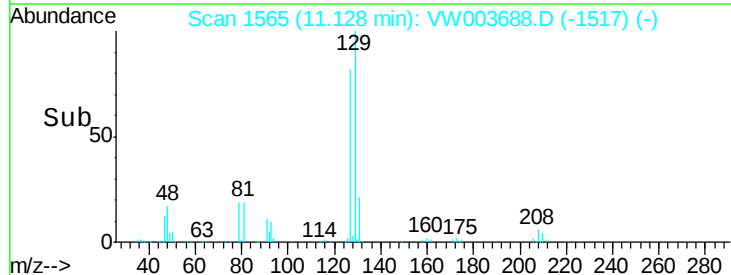
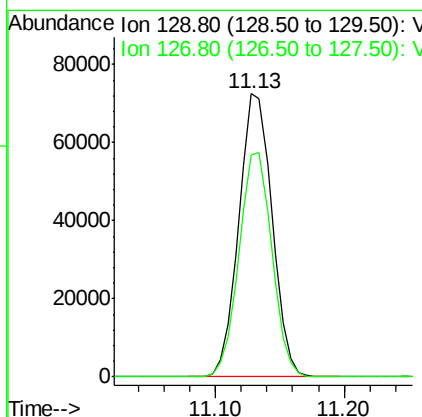
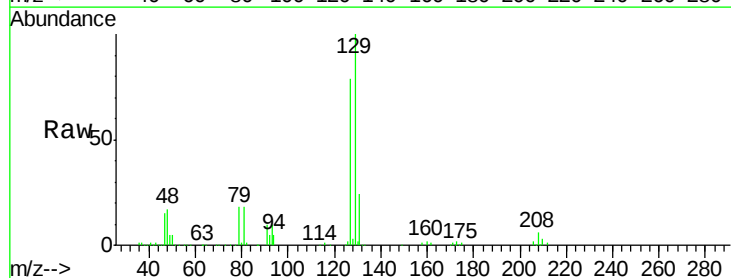
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

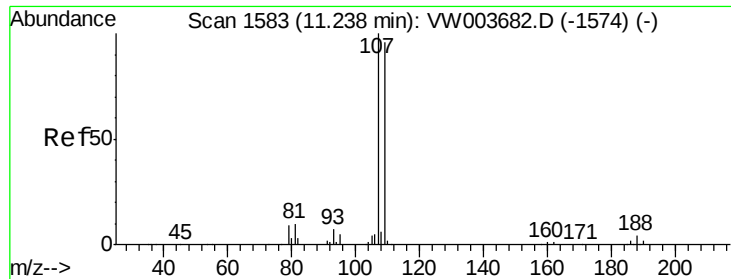
Tot Ion: 43 Resp: 369397
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.6



#60
Dibromochloromethane
Concen: 49.48 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 129 Resp: 129485
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2

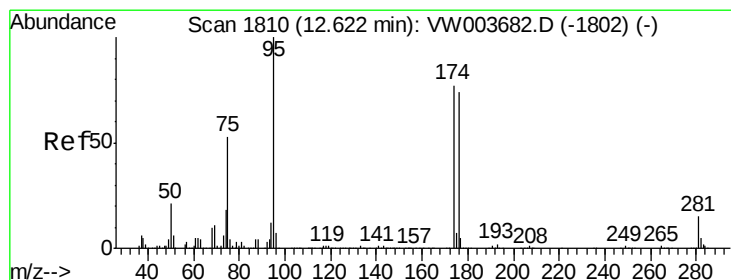
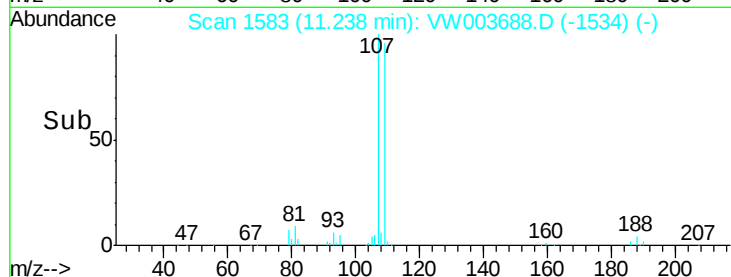
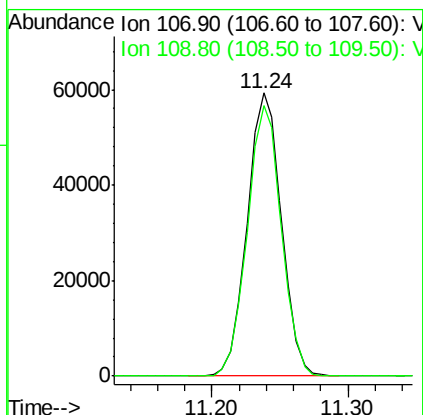
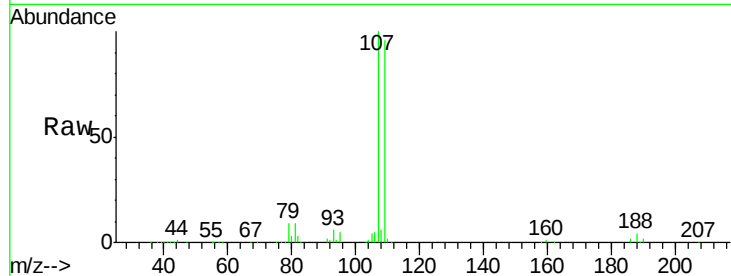




#61
 1,2-Dibromoethane
 Concen: 48.67 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

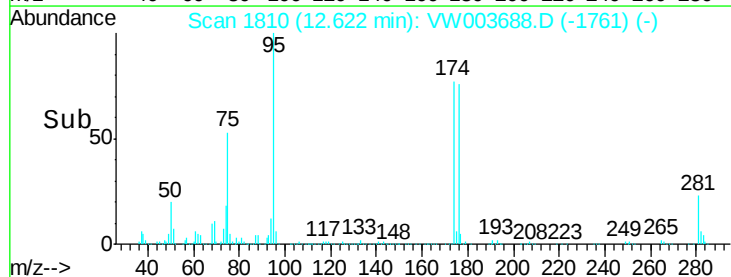
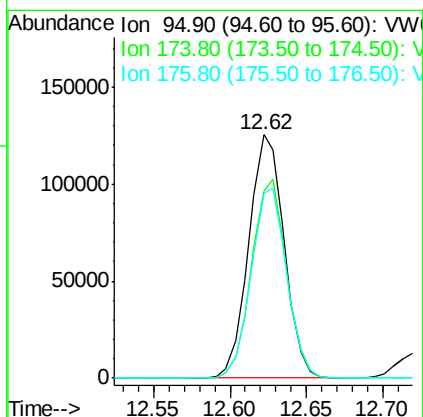
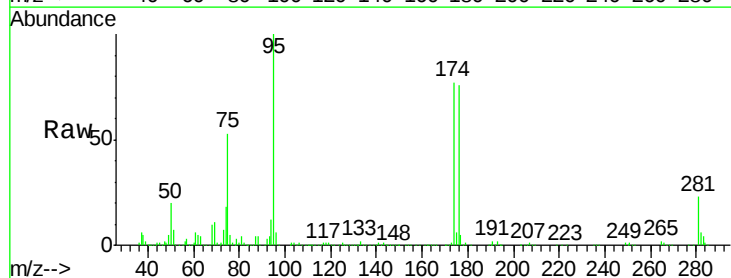
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

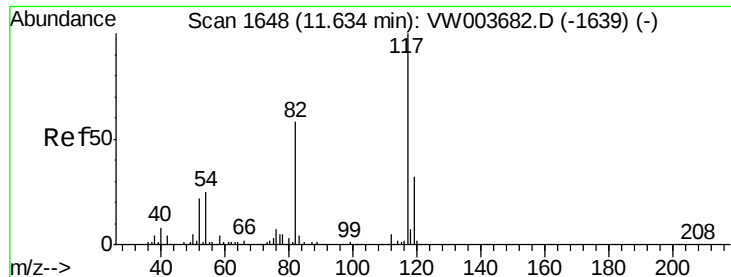
Tot Ion: 107 Resp: 104356
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.42 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 95 Resp: 201532
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 161.2
 176 78.6 0.0 155.0

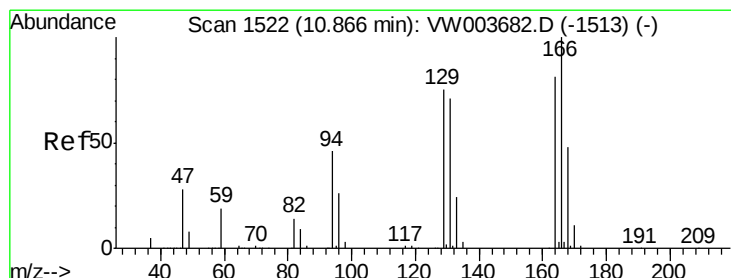
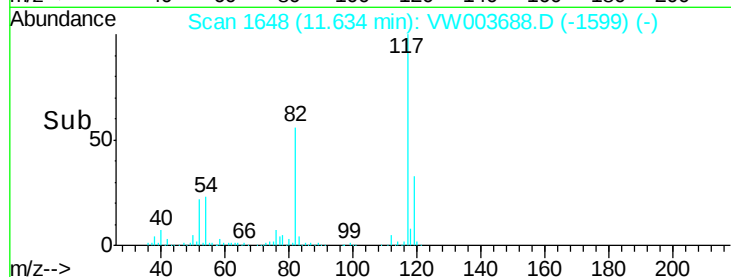
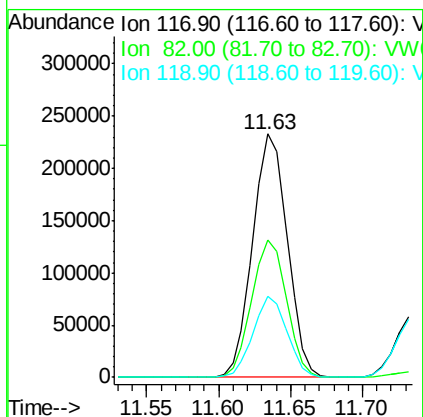
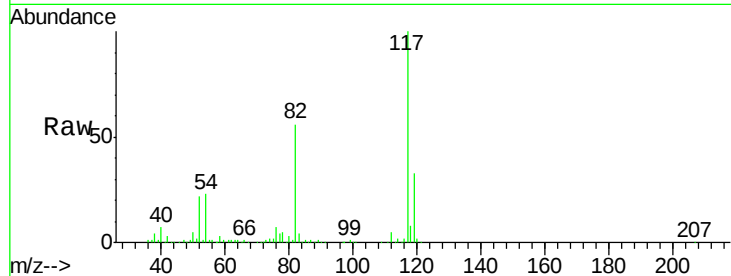




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

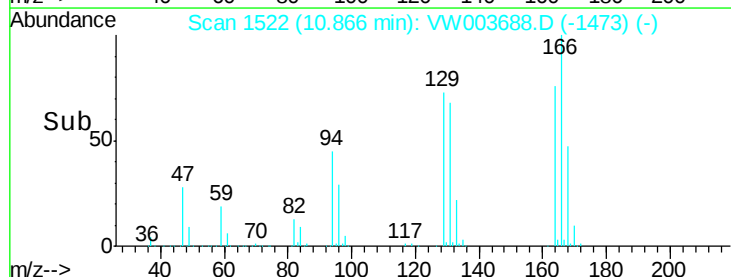
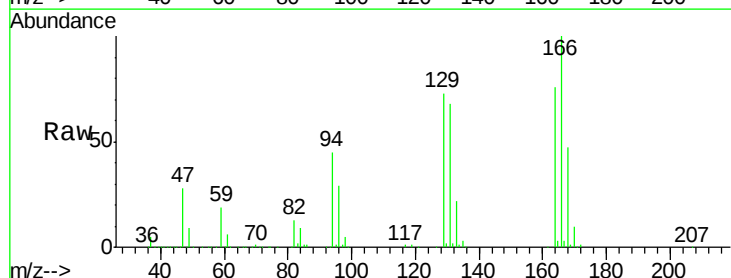
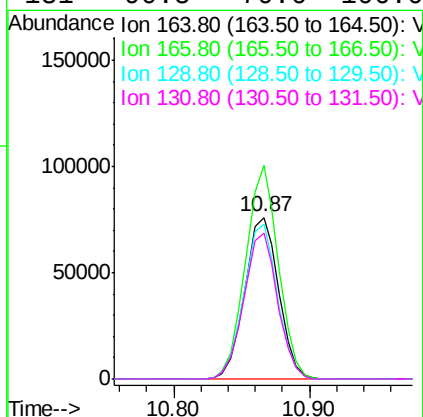
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

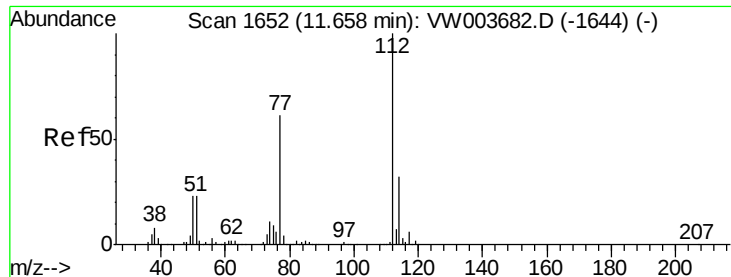
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	33.2	25.4	38.0



#64
Tetrachloroethene
Concen: 50.53 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	99.0	148.4
129	96.1	73.8	110.6
131	90.5	70.6	106.0





#65

Chlorobenzene

Concen: 50.70 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

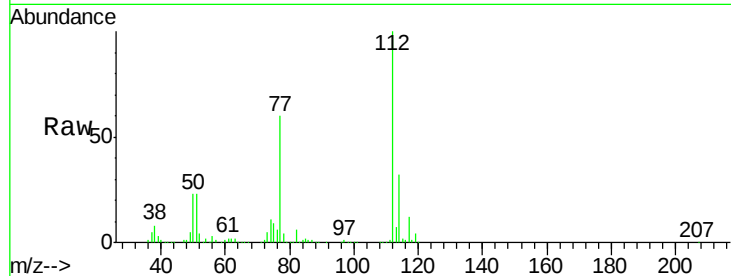
VSTDCCC050

Tot Ion:112 Resp: 414130

Ion Ratio Lower Upper

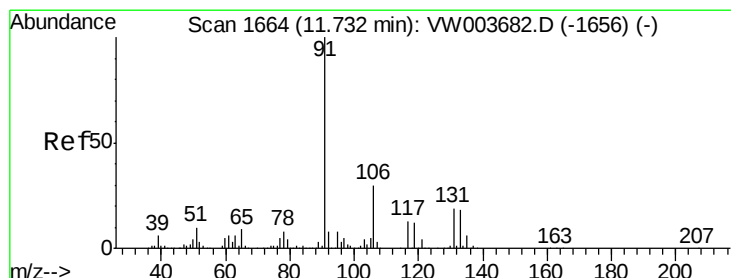
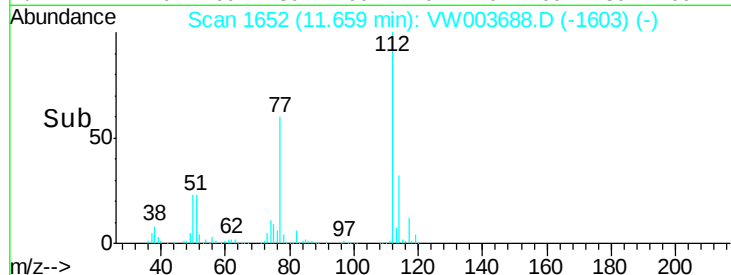
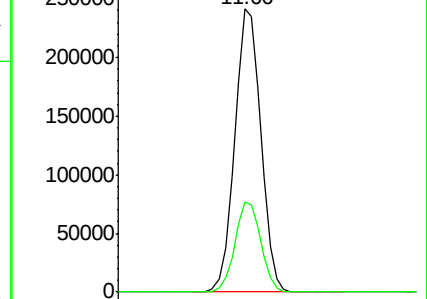
112 100

114 31.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.79 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

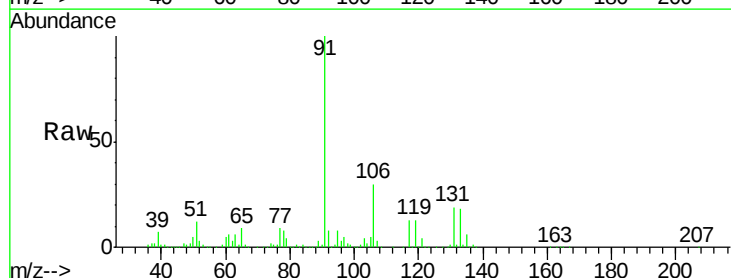
Tgt Ion:131 Resp: 144978

Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

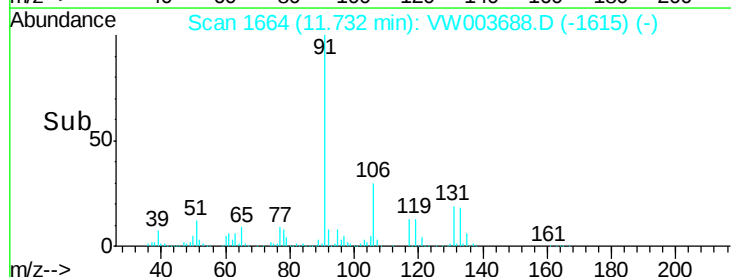
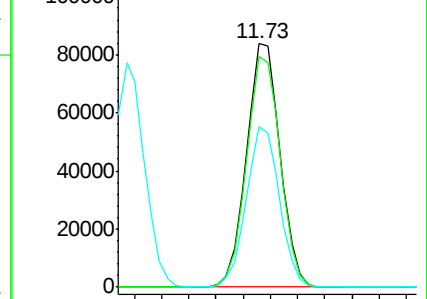
119 65.1 31.9 95.9

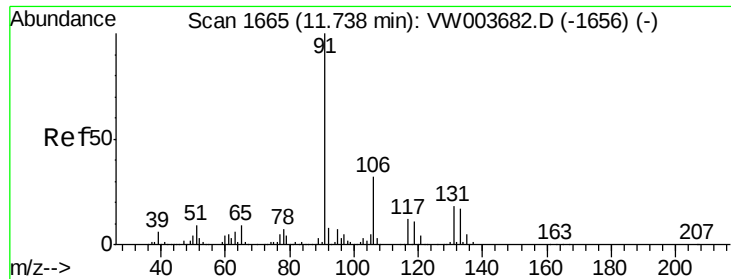


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

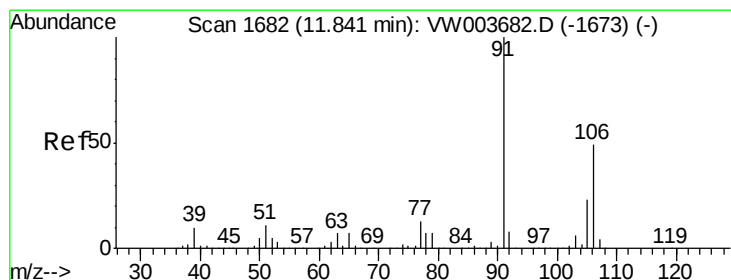
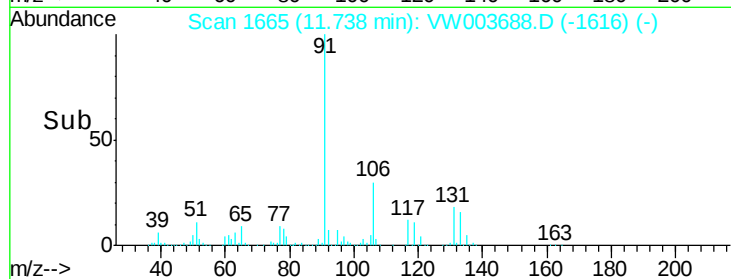
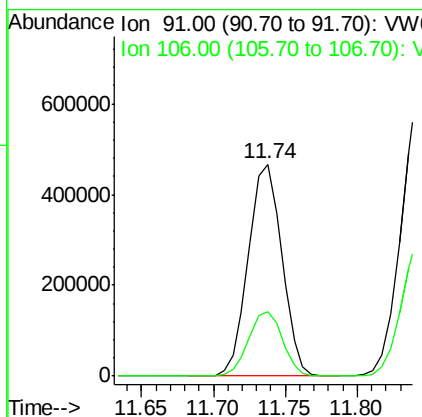
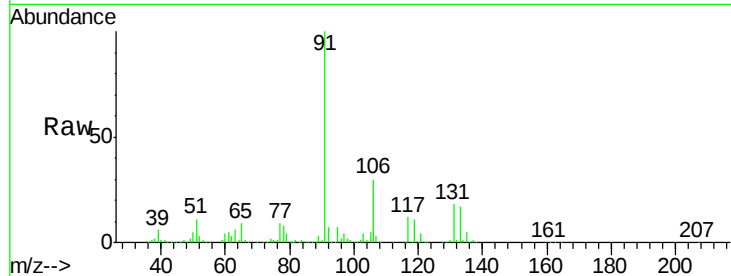




#67
Ethyl Benzene
Concen: 52.76 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

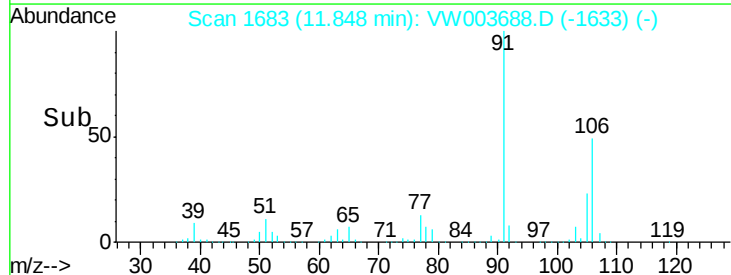
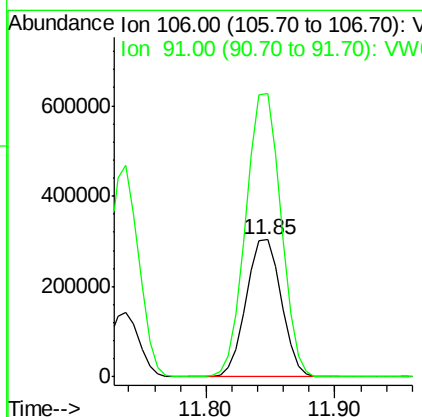
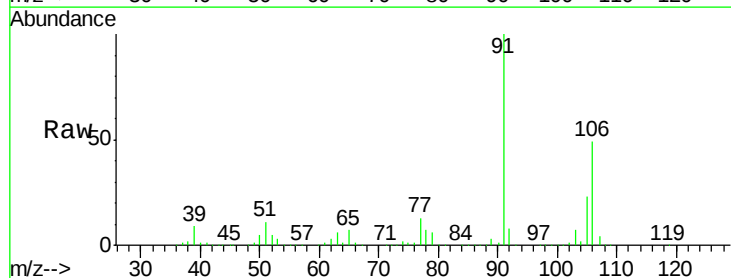
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

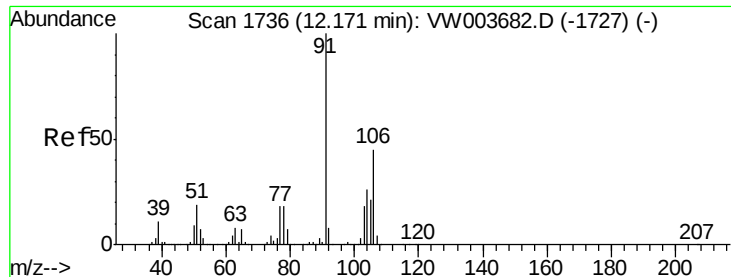
Tot Ion: 91 Resp: 755059
Ion Ratio Lower Upper
91 100
106 30.4 25.2 37.8



#68
m/p-Xylenes
Concen: 105.38 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 106 Resp: 573508
Ion Ratio Lower Upper
106 100
91 205.9 163.7 245.5

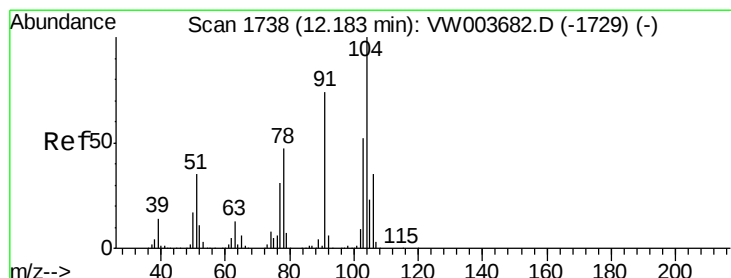
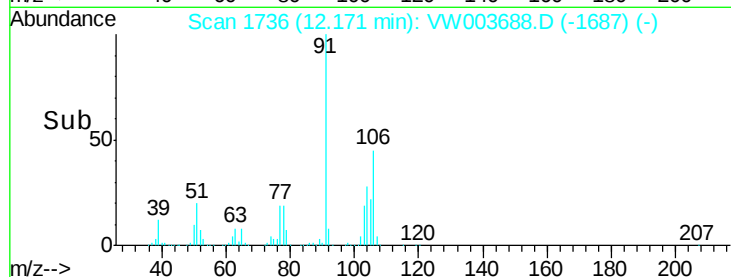
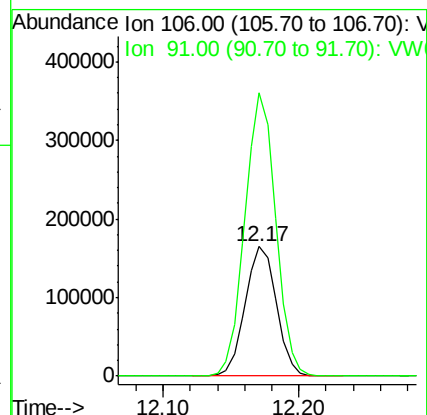
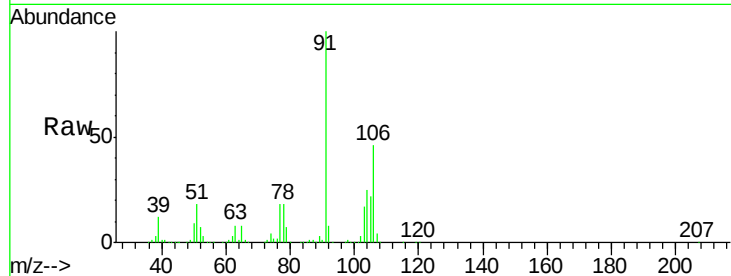




#69
o-Xylene
Concen: 52.81 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

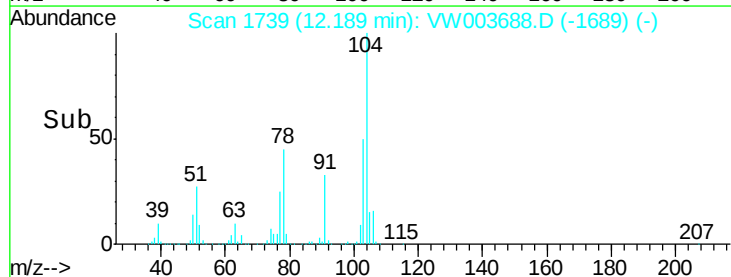
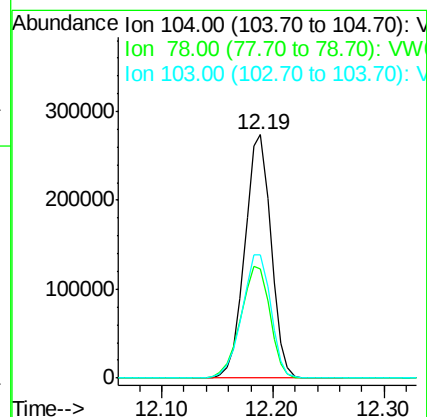
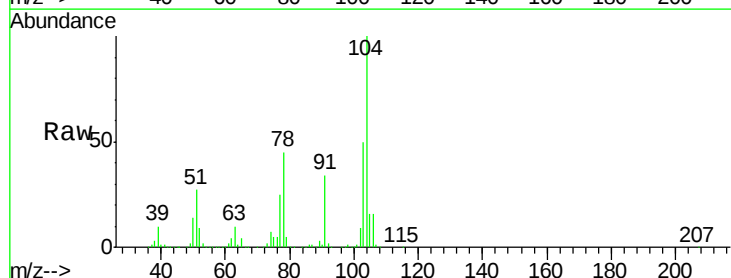
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

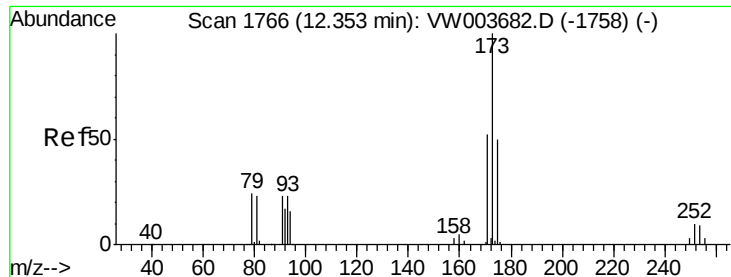
Tot Ion:106 Resp: 265694
Ion Ratio Lower Upper
106 100
91 215.9 109.3 327.8



#70
Styrene
Concen: 52.90 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion:104 Resp: 447059
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 55.8 44.4 66.6





#71

Bromoform

Concen: 49.39 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

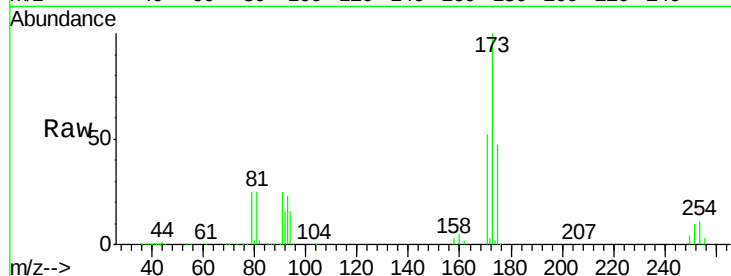
Tot Ion:173 Resp: 78341

Ion Ratio Lower Upper

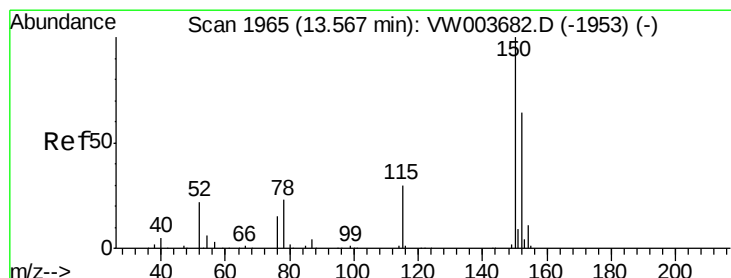
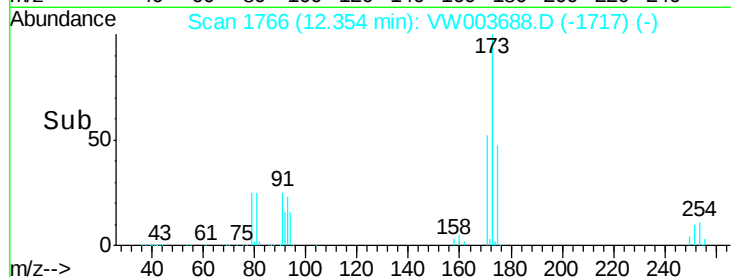
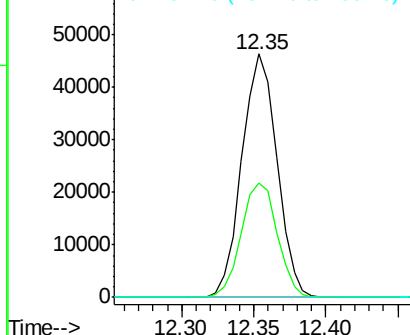
173 100

175 48.2 24.5 73.5

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

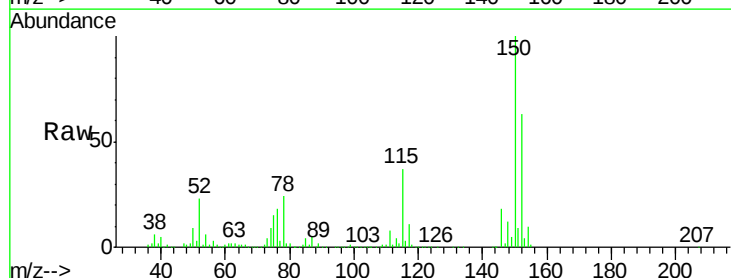
Tgt Ion:152 Resp: 204937

Ion Ratio Lower Upper

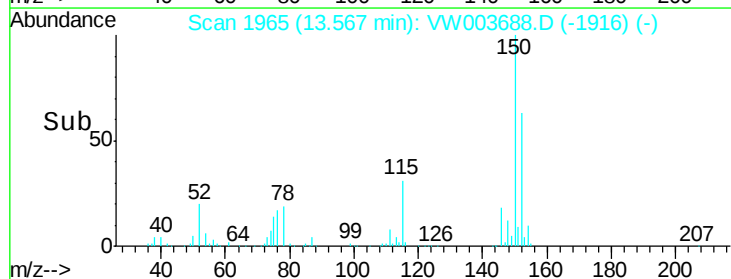
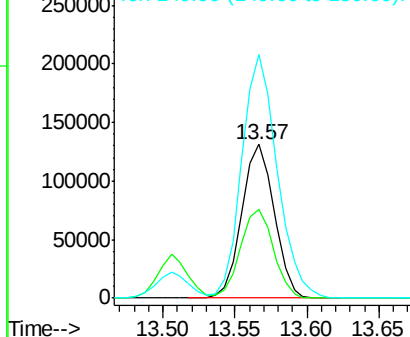
152 100

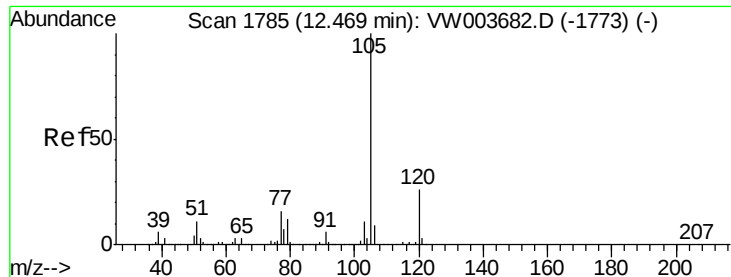
115 58.5 29.3 88.0

150 173.0 0.0 352.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.82 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampled :

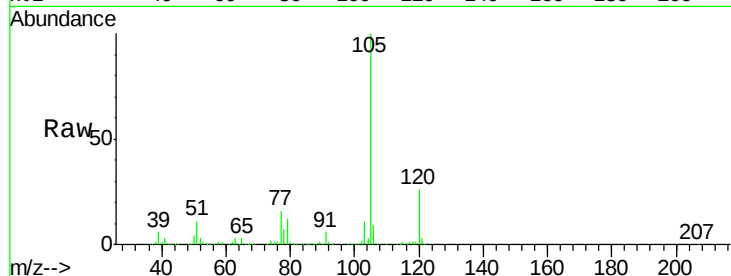
VSTDCCC050

Tot Ion:105 Resp: 750207

Ion Ratio Lower Upper

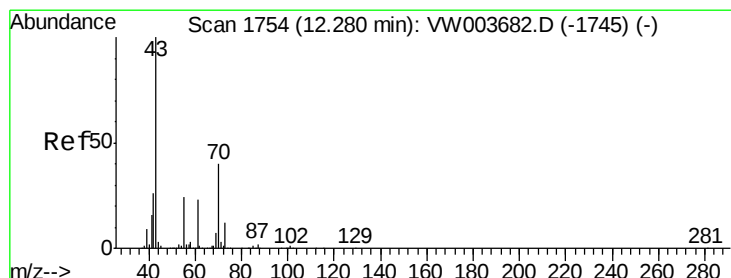
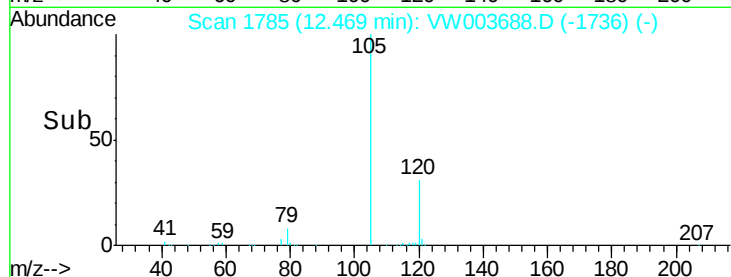
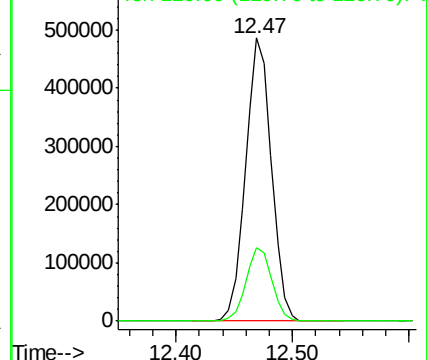
105 100

120 26.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.63 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Tgt Ion: 43 Resp: 178995

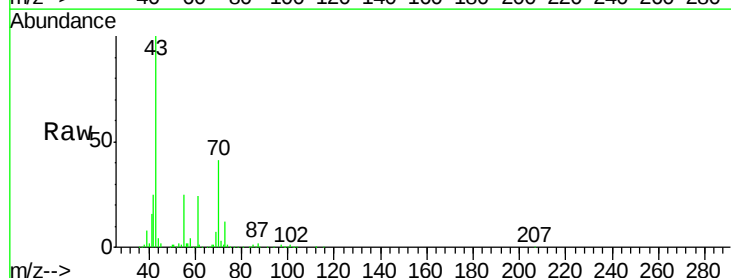
Ion Ratio Lower Upper

43 100

70 40.0 31.3 46.9

55 25.7 20.1 30.1

61 22.8 18.2 27.2

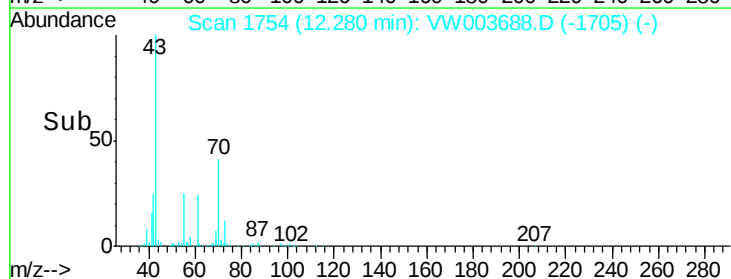
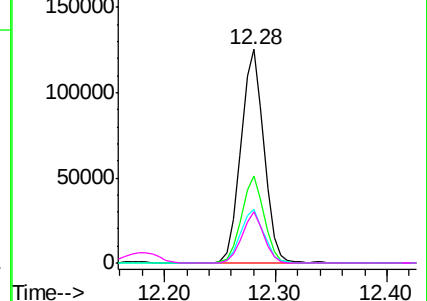


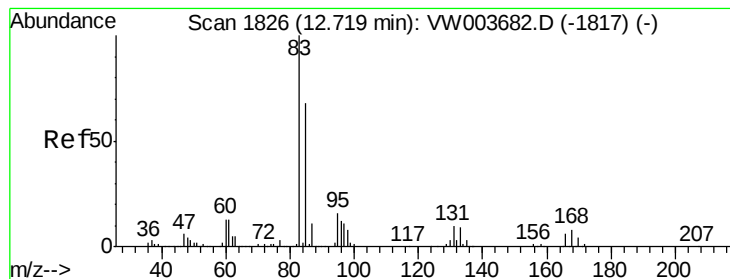
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 47.78 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

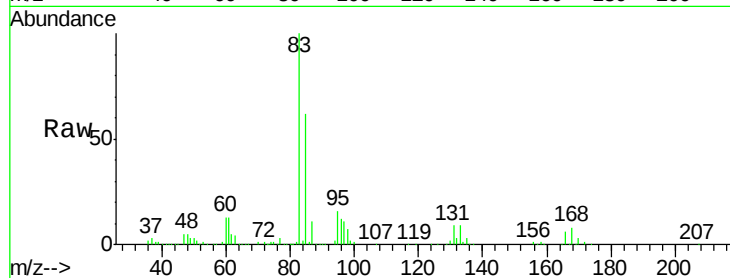
Tot Ion: 83 Resp: 130276

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.9

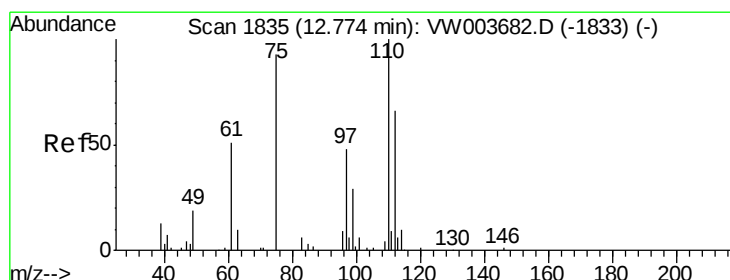
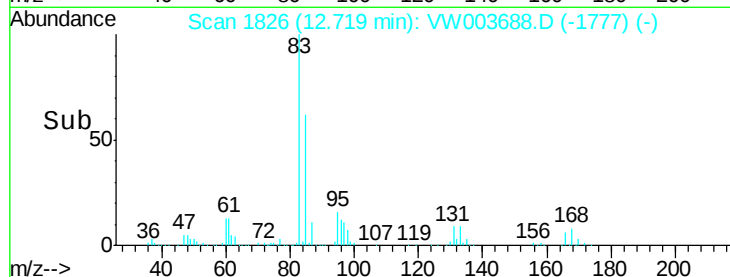
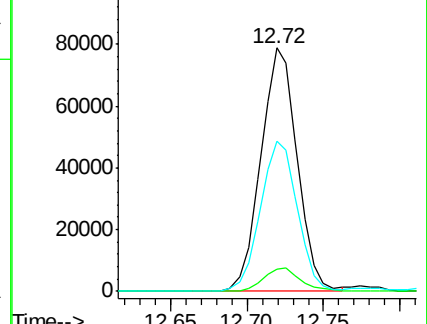
85 62.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 96.75 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003688.D

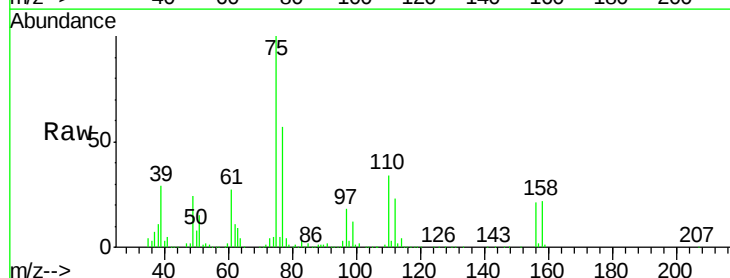
Acq: 03 Jul 2018 10:16

Tgt Ion: 75 Resp: 178287

Ion Ratio Lower Upper

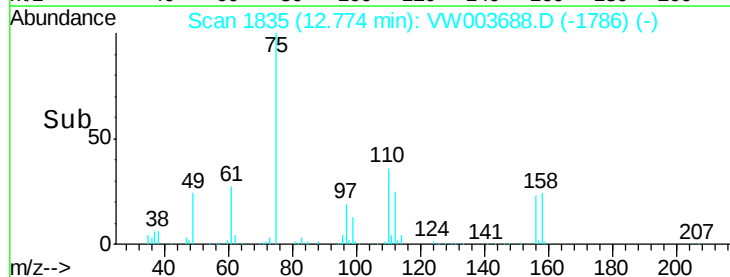
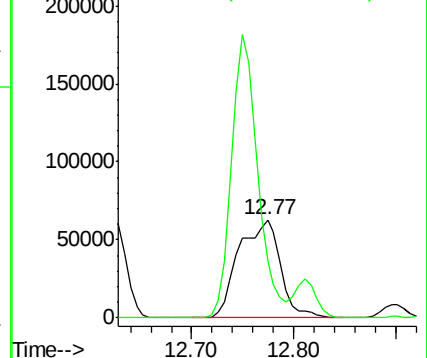
75 100

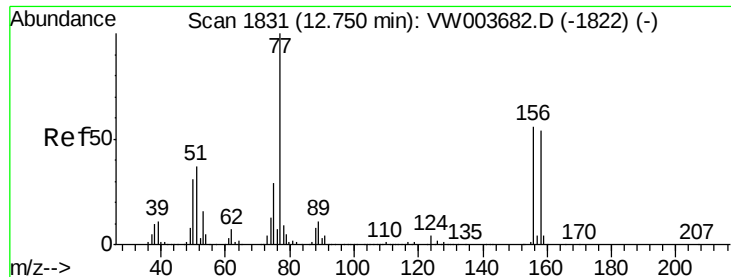
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.81 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

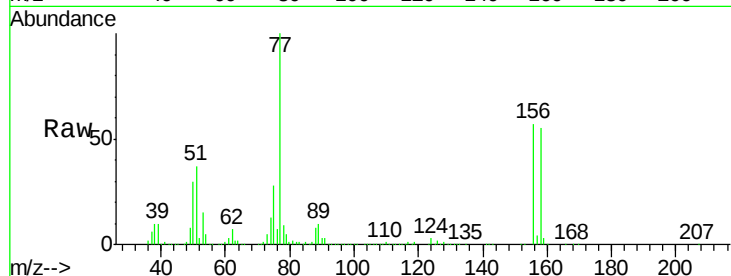
Tot Ion:156 Resp: 169996

Ion Ratio Lower Upper

156 100

77 190.0 95.8 287.4

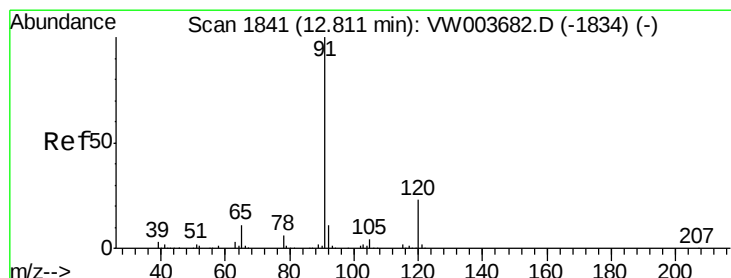
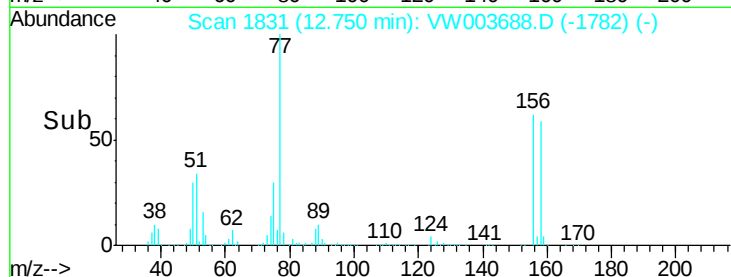
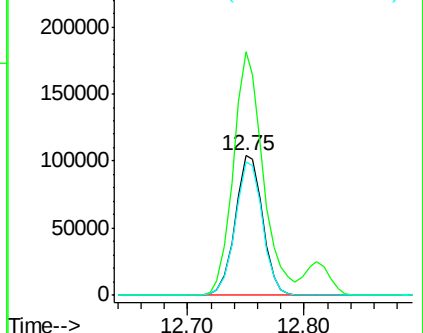
158 95.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.32 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003688.D

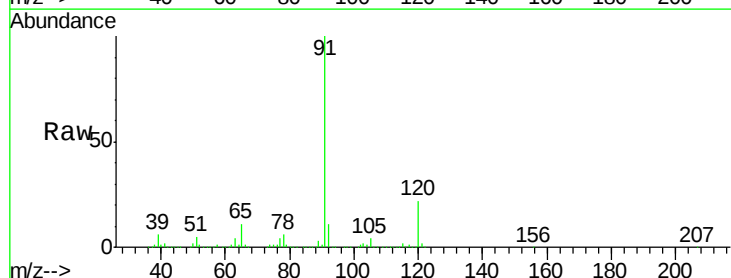
Acq: 03 Jul 2018 10:16

Tgt Ion: 91 Resp: 918305

Ion Ratio Lower Upper

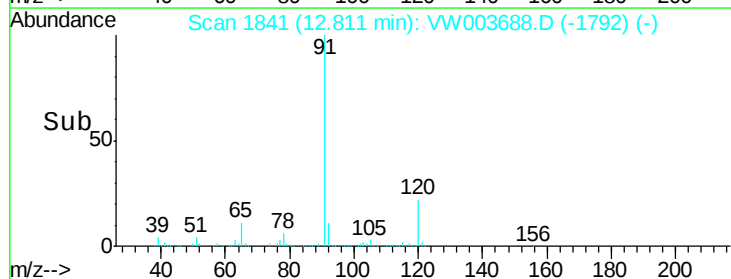
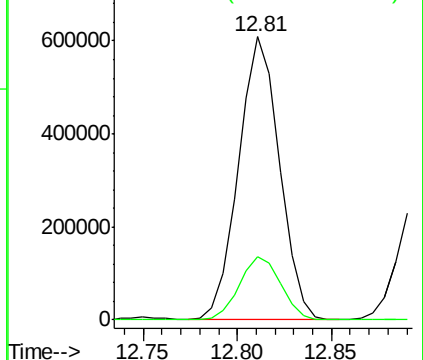
91 100

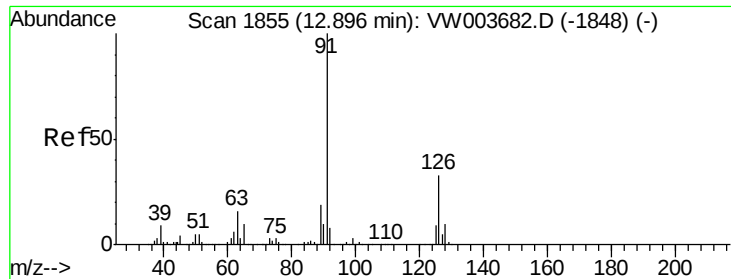
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

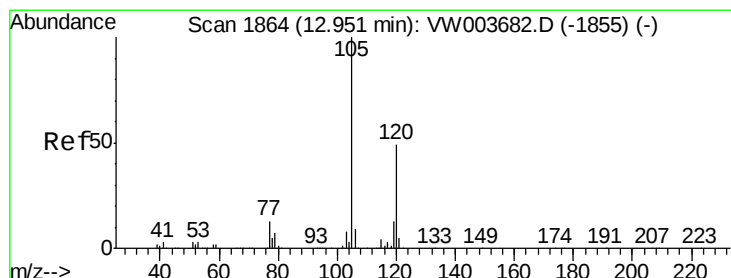
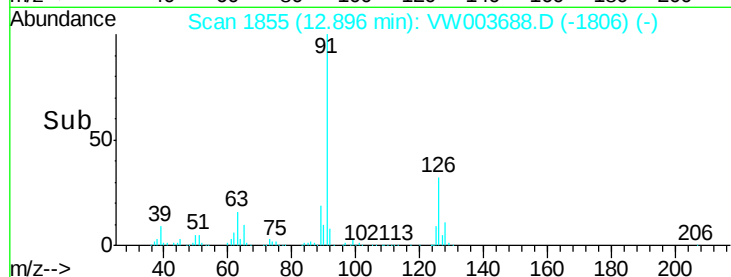
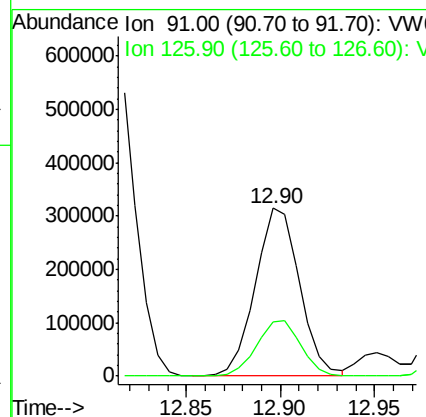
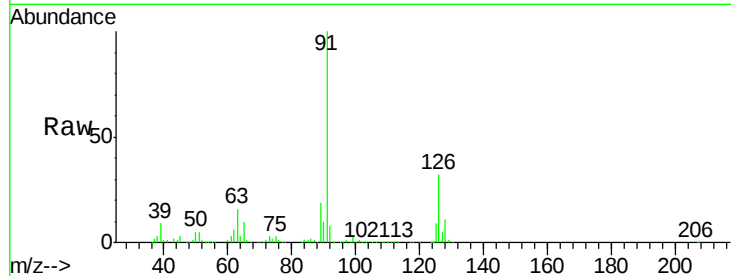




#79
 2-Chlorotoluene
 Concen: 52.21 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

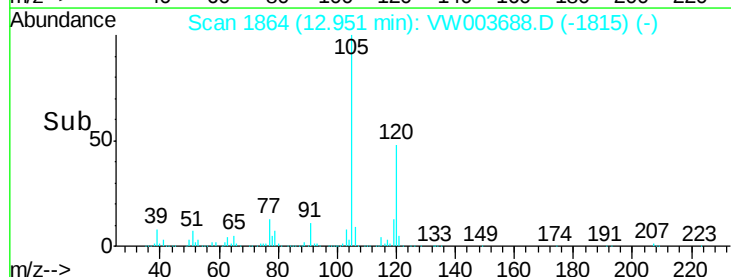
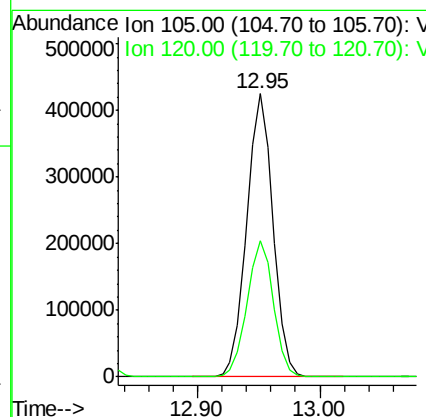
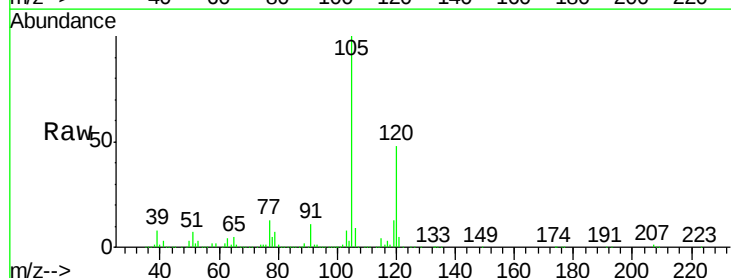
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

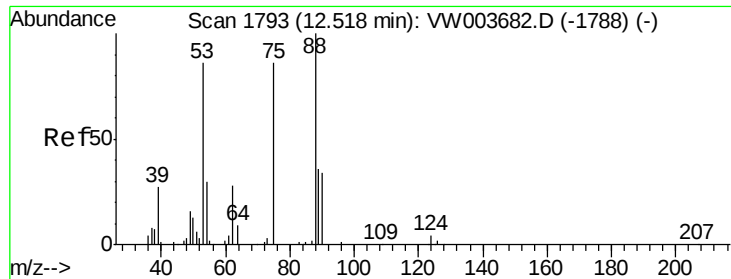
Tot Ion: 91 Resp: 511689
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 53.48 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion: 105 Resp: 630716
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.76 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

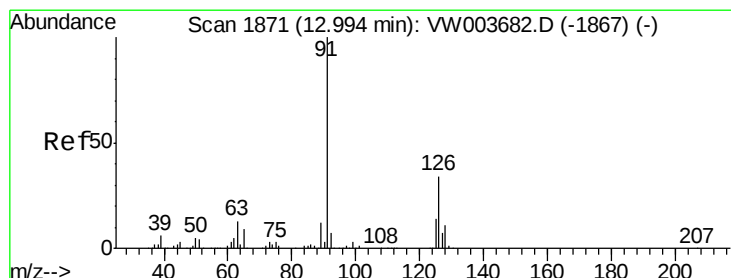
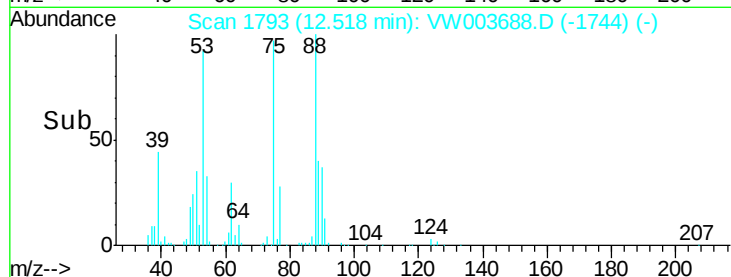
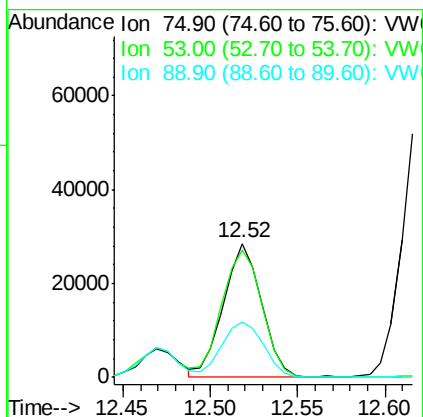
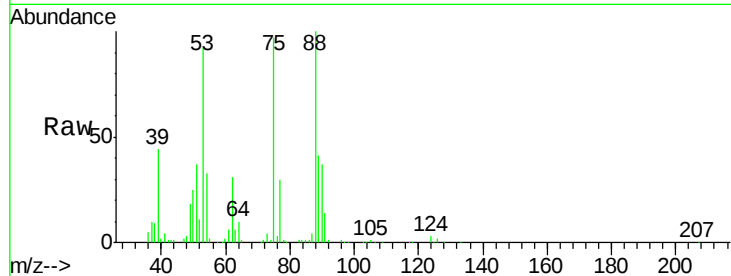
Tot Ion: 75 Resp: 43273

Ion Ratio Lower Upper

75 100

53 101.1 82.4 123.6

89 45.0 35.9 53.9



#82

4-Chlorotoluene

Concen: 51.77 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003688.D

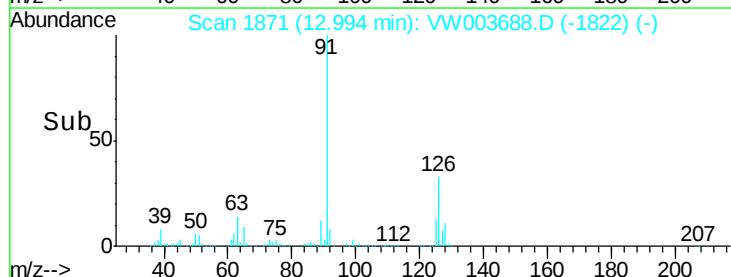
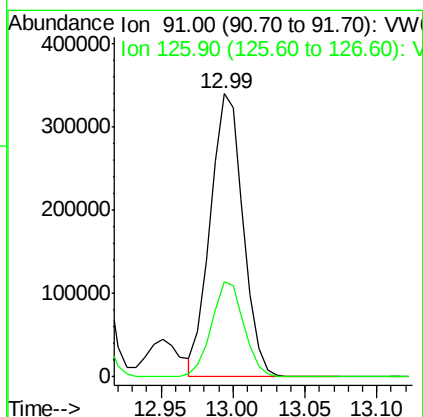
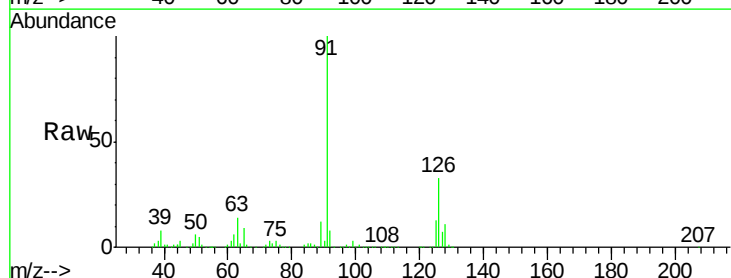
Acq: 03 Jul 2018 10:16

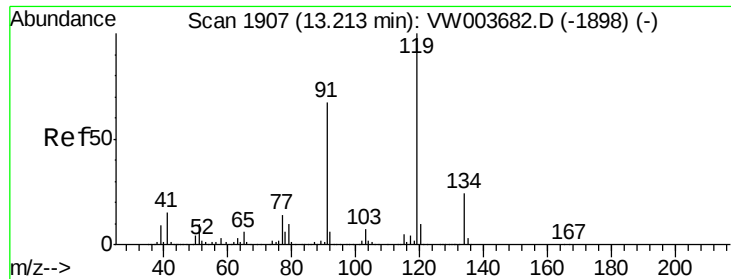
Tgt Ion: 91 Resp: 538550

Ion Ratio Lower Upper

91 100

126 33.5 17.0 50.9

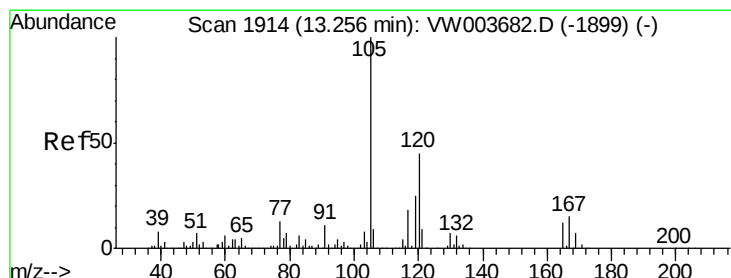
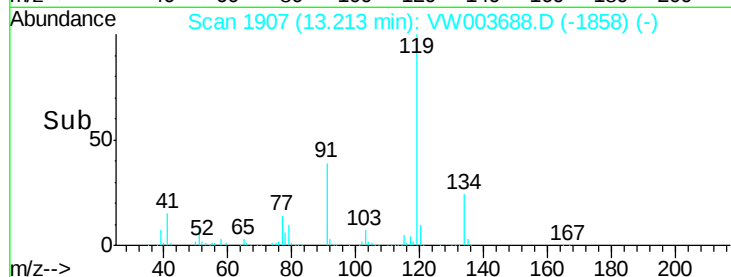
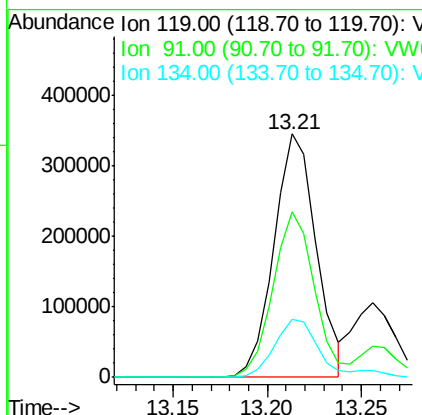
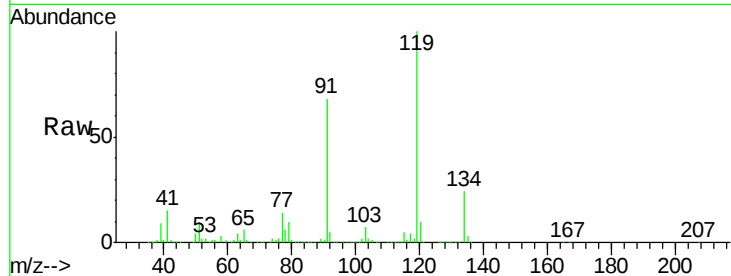




#83
 tert-Butylbenzene
 Concen: 53.92 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

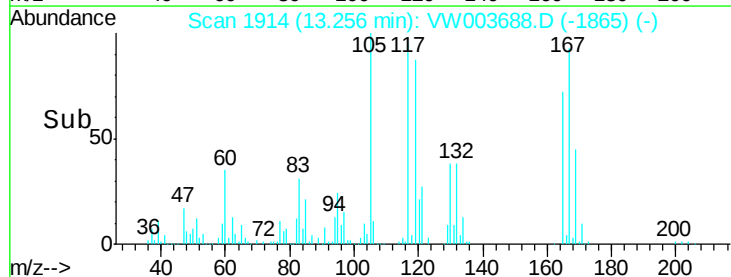
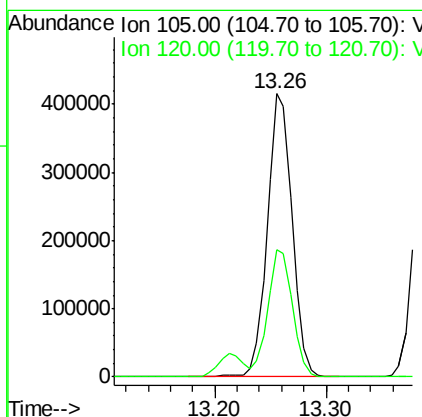
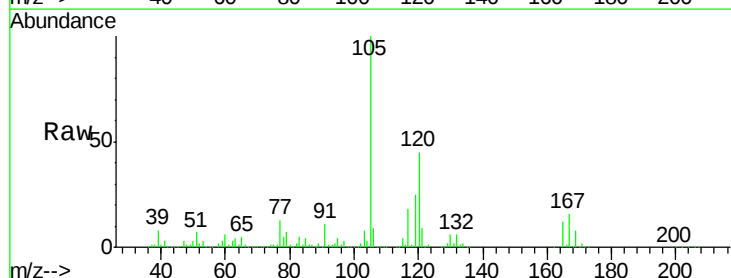
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

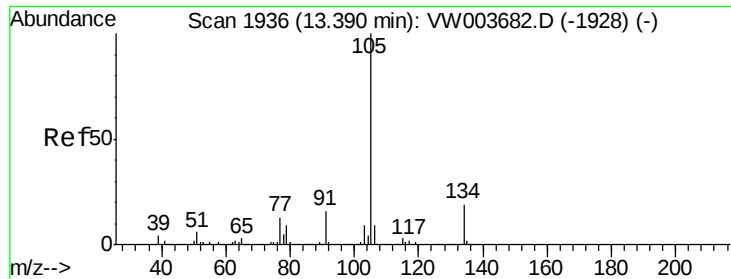
Tot Ion:119 Resp: 536408
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.8 101.3
 134 26.3 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 53.11 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion:105 Resp: 644783
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 53.38 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

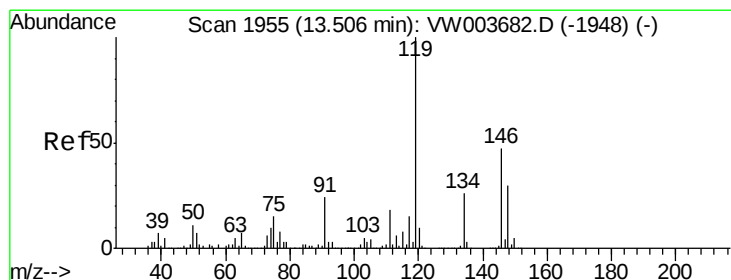
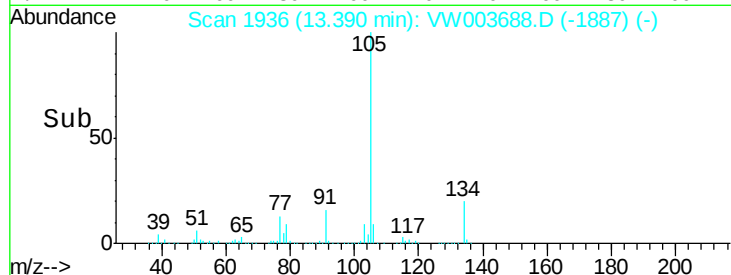
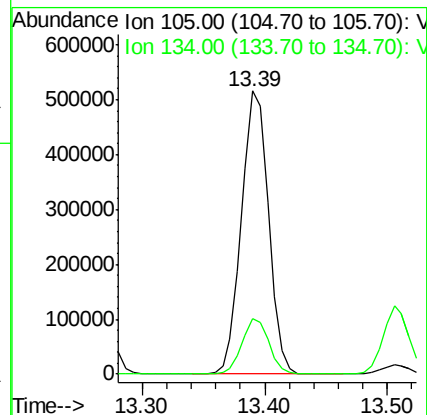
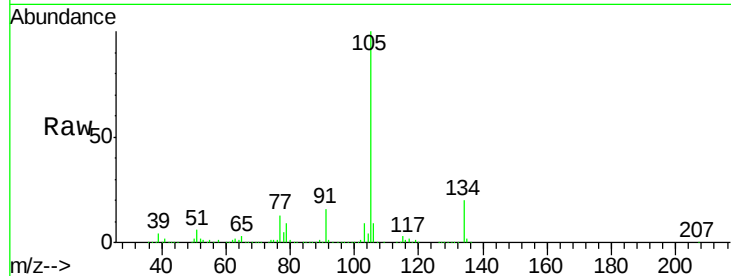
VSTDCCC050

Tot Ion:105 Resp: 790206

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 53.76 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

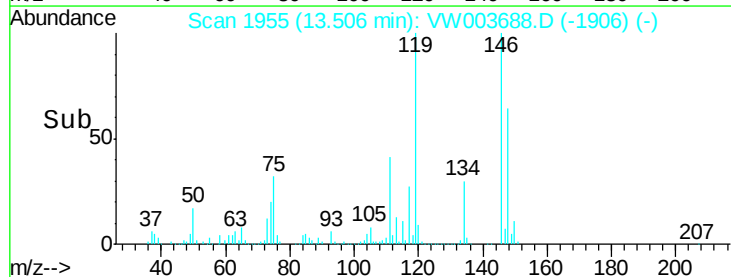
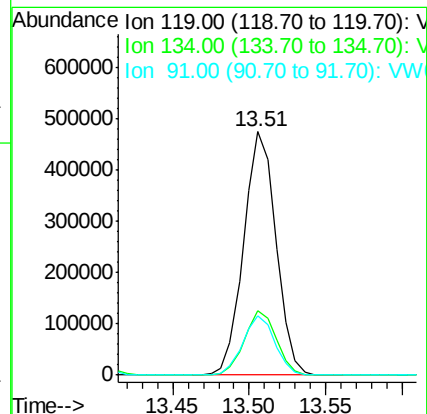
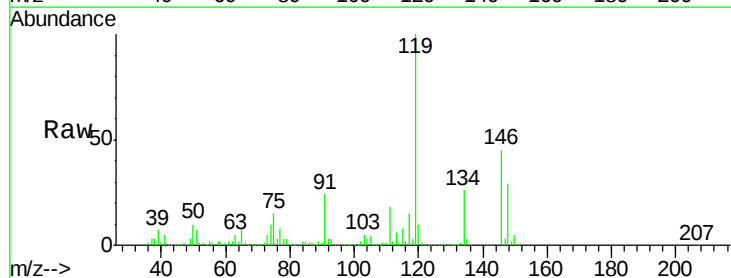
Tgt Ion:119 Resp: 696005

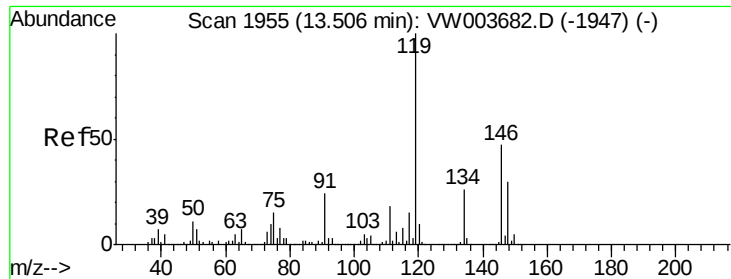
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.9 11.8 35.4

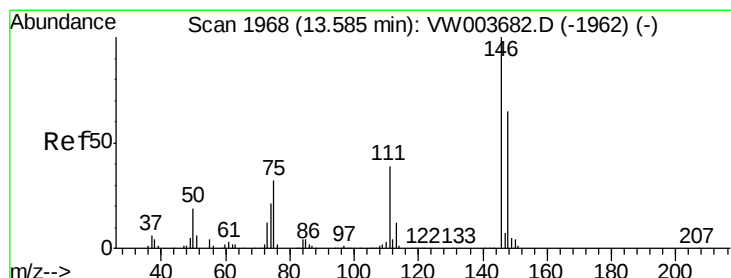
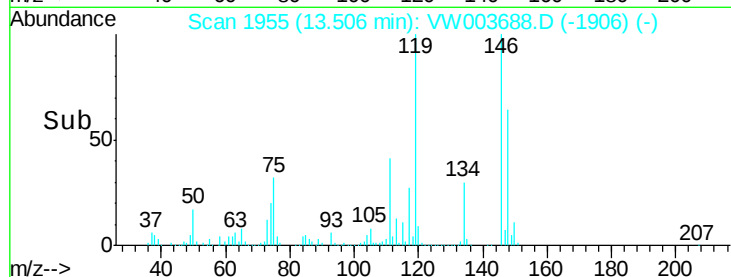
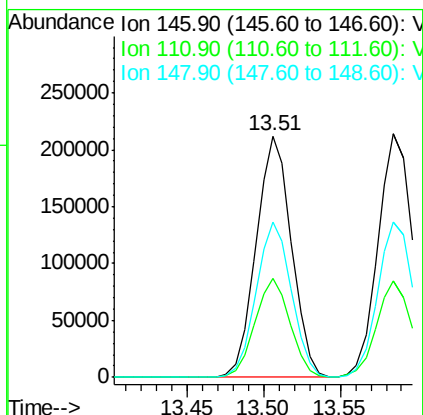
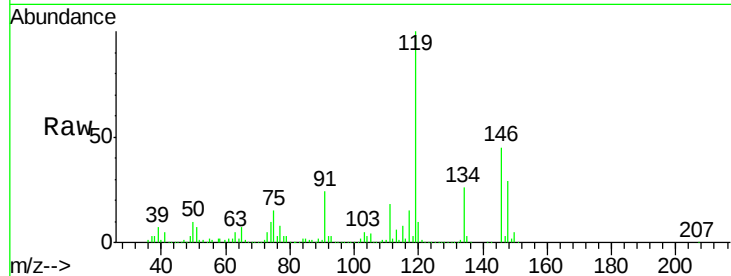




#87
 1,3-Dichlorobenzene
 Concen: 50.30 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

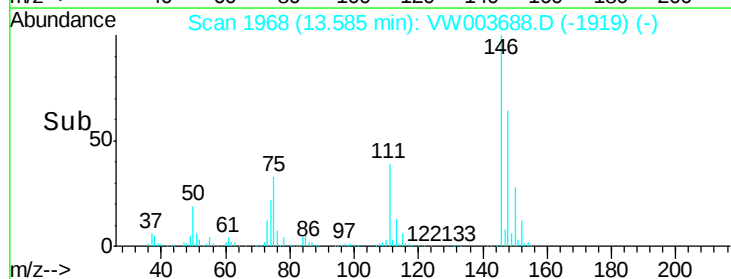
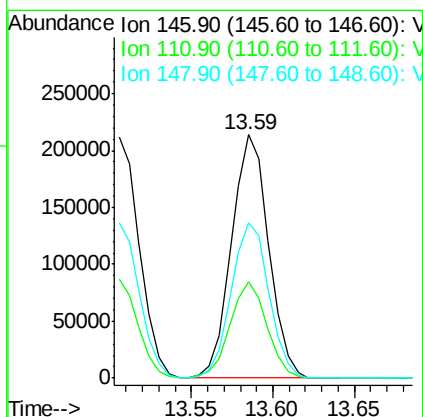
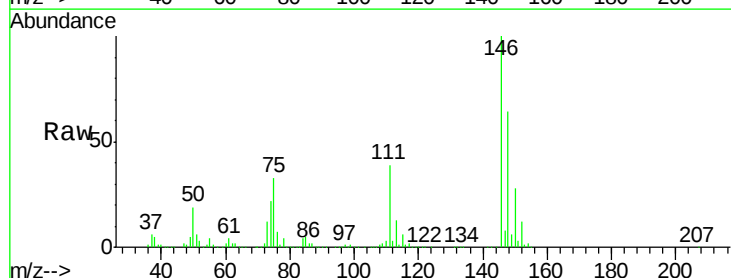
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

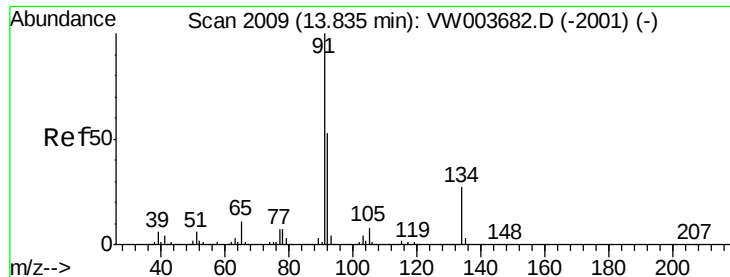
Tot Ion:146 Resp: 341546
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.7
 148 63.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.92 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion:146 Resp: 338699
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 64.9 32.3 96.9

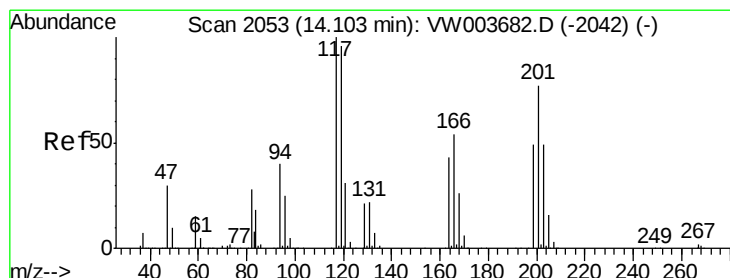
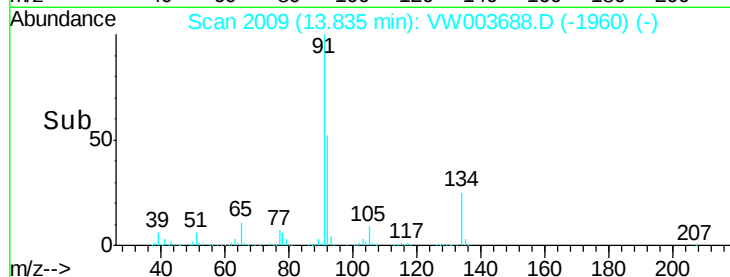
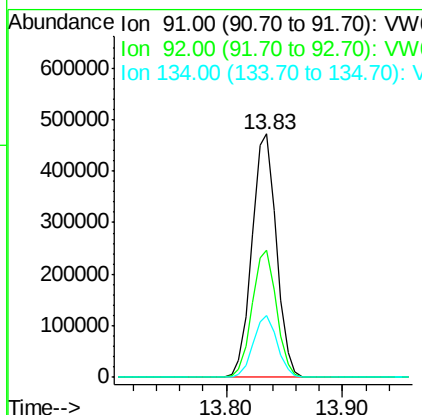
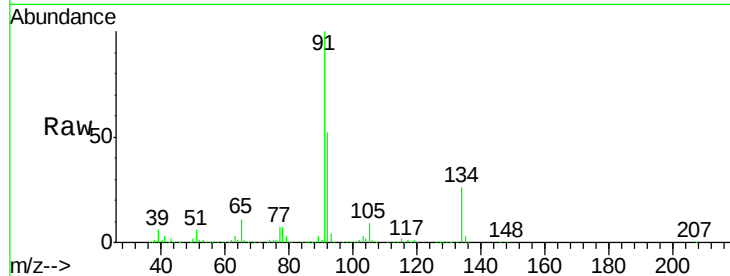




#89
n-Butylbenzene
Concen: 54.03 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

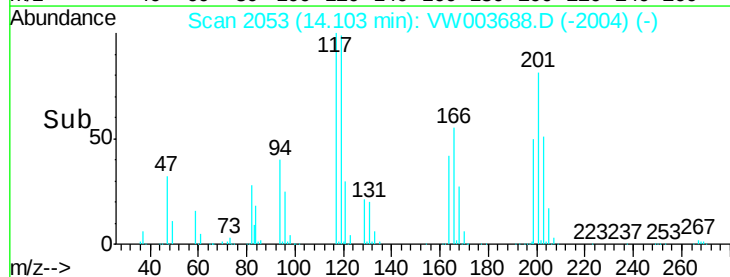
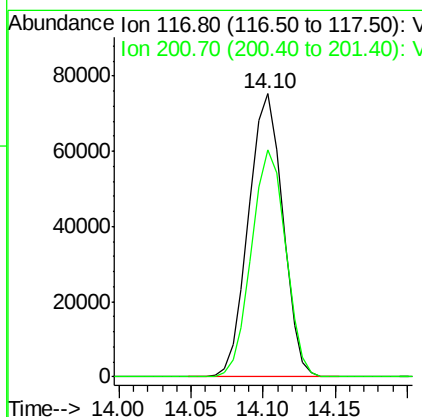
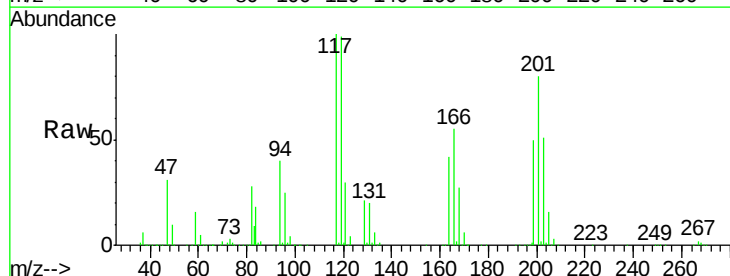
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

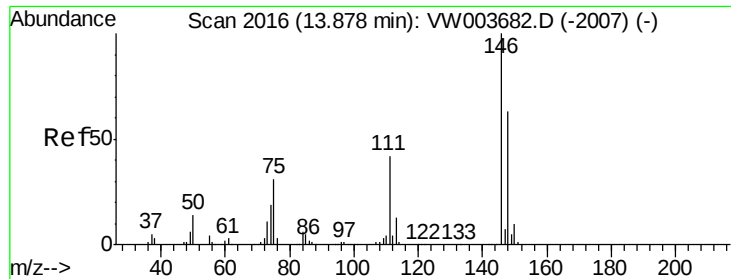
Tot Ion: 91 Resp: 691588
Ion Ratio Lower Upper
91 100
92 52.1 26.4 79.2
134 25.0 12.7 38.1



#90
Hexachloroethane
Concen: 51.64 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003688.D
Acq: 03 Jul 2018 10:16

Tgt Ion: 117 Resp: 124226
Ion Ratio Lower Upper
117 100
201 79.9 39.1 117.2





#91

1,2-Dichlorobenzene

Concen: 49.89 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

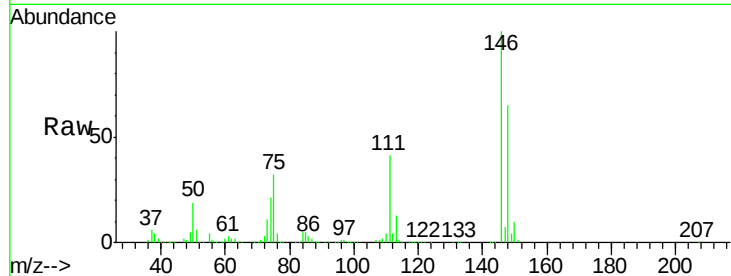
Tot Ion:146 Resp: 302893

Ion Ratio Lower Upper

146 100

111 40.7 20.6 61.9

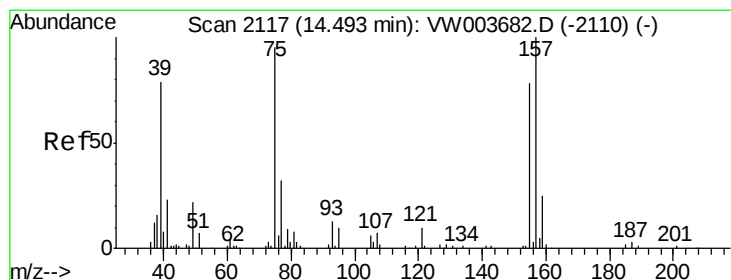
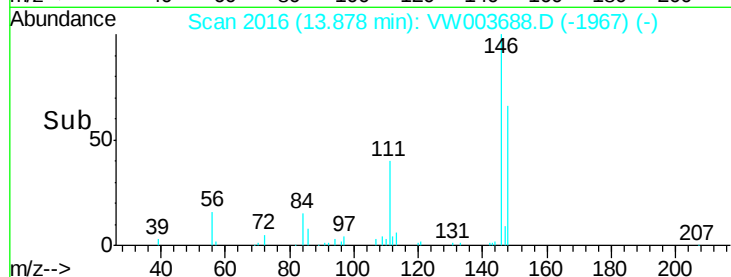
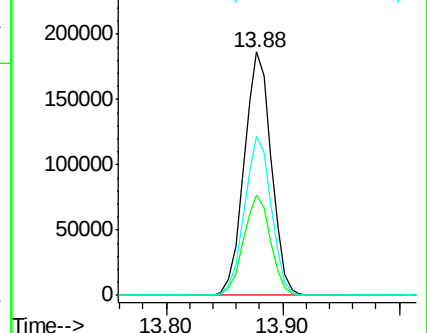
148 64.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.64 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

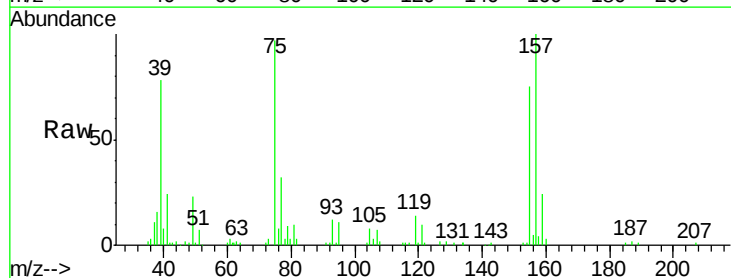
Tgt Ion: 75 Resp: 22158

Ion Ratio Lower Upper

75 100

155 79.9 40.2 120.6

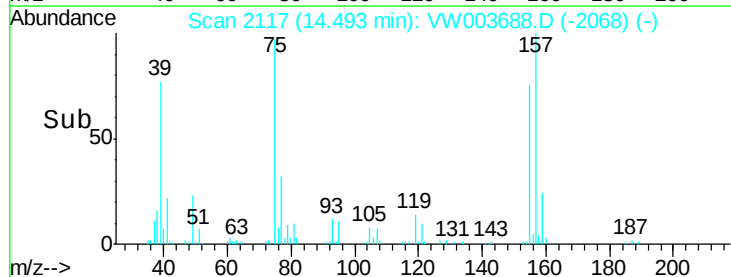
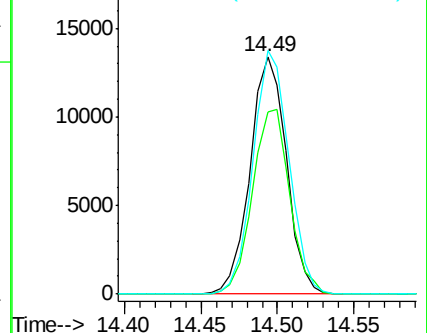
157 101.2 50.7 152.3

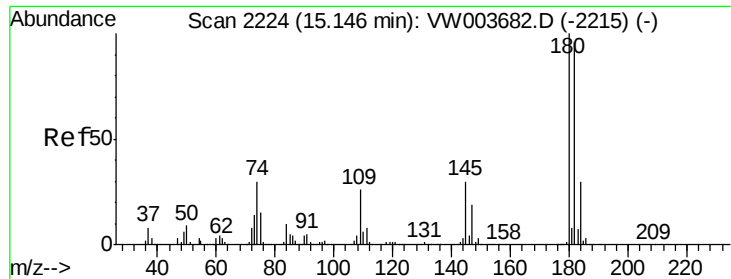


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

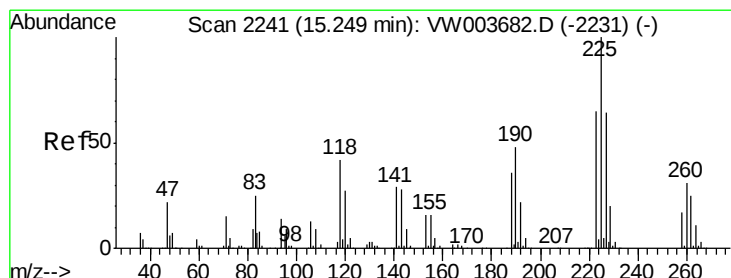
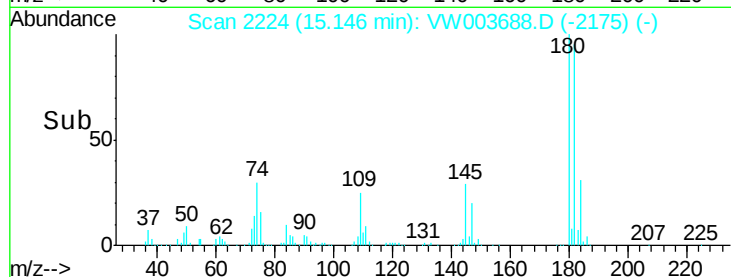
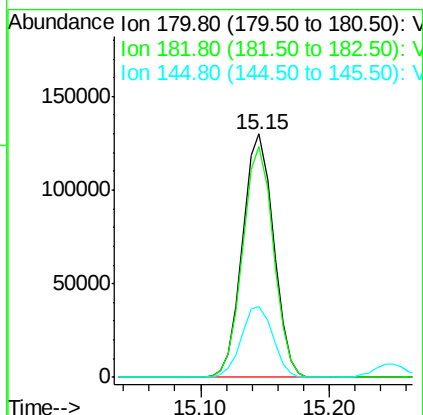
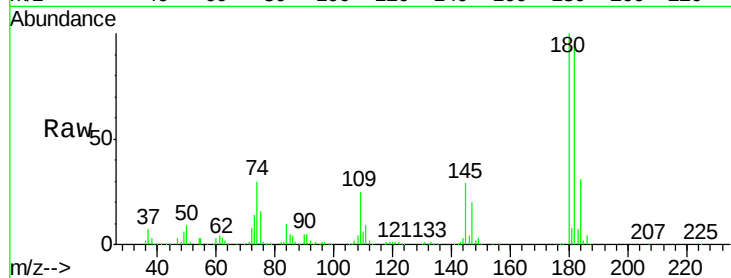




#93
 1,2,4-Trichlorobenzene
 Concen: 50.45 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

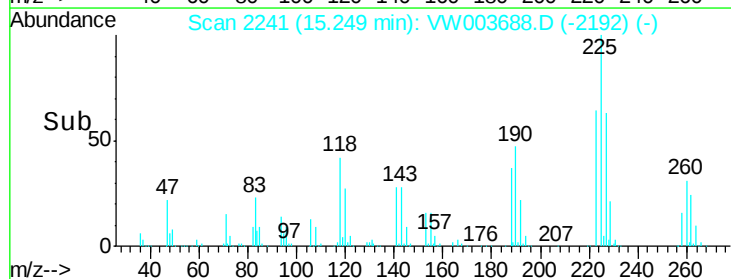
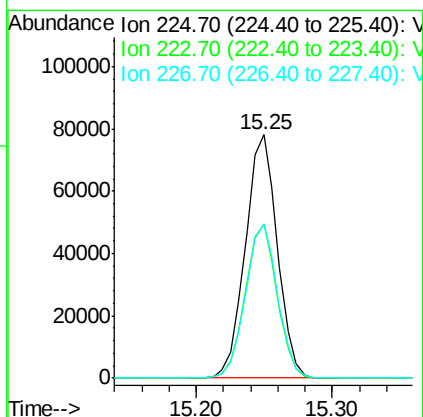
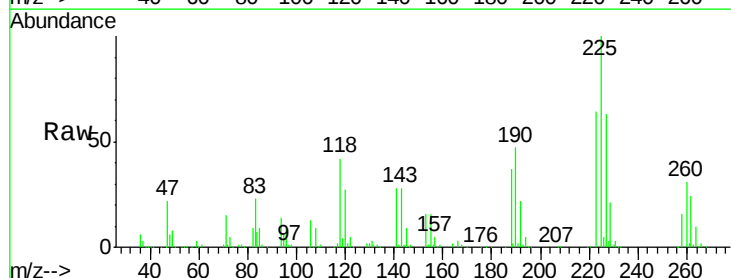
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

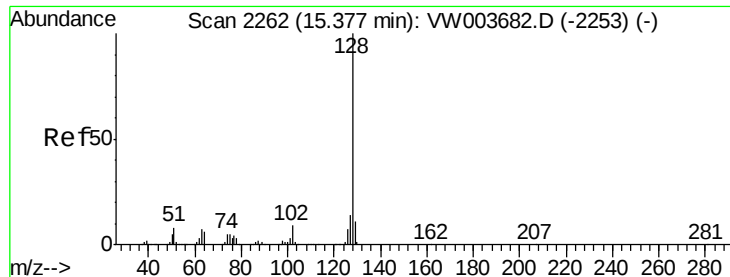
Tot Ion:180 Resp: 215985
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.6 142.8
 145 29.9 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 51.86 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003688.D
 Acq: 03 Jul 2018 10:16

Tgt Ion:225 Resp: 128220
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.0 96.2
 227 63.4 31.9 95.7





#95

Naphthalene

Concen: 49.83 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

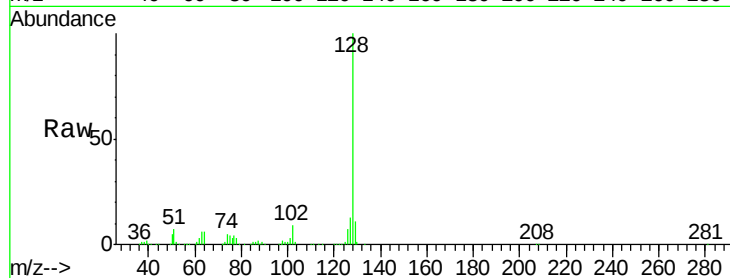
Tot Ion:128 Resp: 386839

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

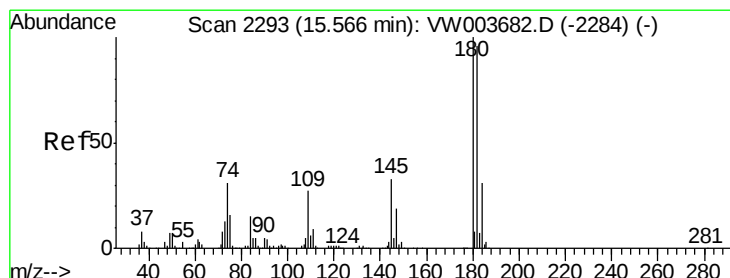
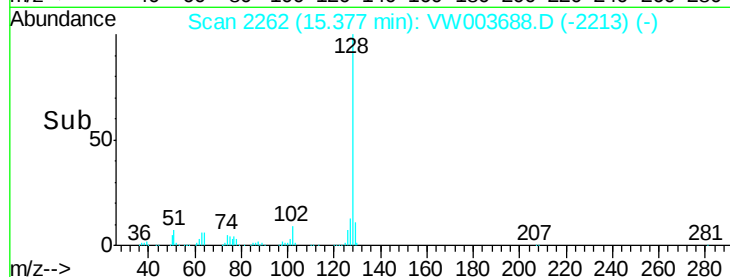
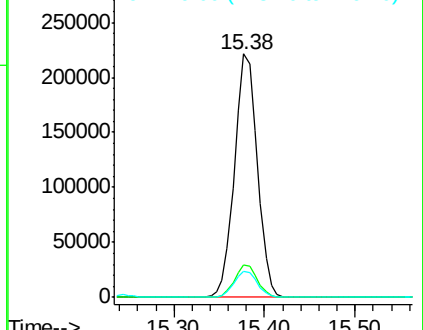
129 10.9 8.8 13.2



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: 48.85 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003688.D

Acq: 03 Jul 2018 10:16

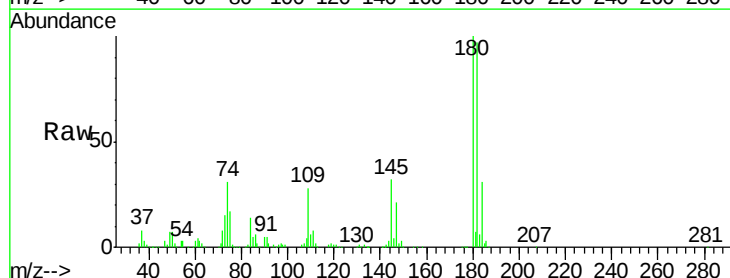
Tgt Ion:180 Resp: 186265

Ion Ratio Lower Upper

180 100

182 96.7 47.8 143.3

145 32.1 15.9 47.7



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

