

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005690.D
 Acq On : 27 Sep 2018 10:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 28 01:18:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	344942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169610	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132512	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	7.89	113	115765	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.33	98	470263	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.62	95	174611	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	67538	47.482	ug/l	98
3) Chloromethane	2.21	50	76900	40.589	ug/l	95
4) Vinyl Chloride	2.37	62	113394	50.071	ug/l	100
5) Bromomethane	2.79	94	70996	46.389	ug/l	100
6) Chloroethane	2.93	64	68170	46.911	ug/l	99
7) Trichlorofluoromethane	3.26	101	85069	48.028	ug/l	98
8) Diethyl Ether	3.68	74	55113	47.633	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	111664	49.803	ug/l	99
10) Methyl Iodide	4.26	142	169051	49.027	ug/l	98
11) Tert butyl alcohol	5.22	59	33130	230.915	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	106402	49.569	ug/l	98
13) Acrolein	3.90	56	22057	228.372	ug/l	99
14) Allyl chloride	4.67	41	183142	48.889	ug/l	99
15) Acrylonitrile	5.38	53	112336	218.675	ug/l	98
16) Acetone	4.14	43	124652	286.968	ug/l	99
17) Carbon Disulfide	4.38	76	315494	47.042	ug/l	100
18) Methyl Acetate	4.68	43	57801	43.923	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	160974	48.586	ug/l	97
20) Methylene Chloride	4.92	84	120341	51.893	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	115822	49.264	ug/l	97
22) Diisopropyl ether	6.32	45	365163	50.214	ug/l	98
23) Vinyl Acetate	6.26	43	1000347	240.669	ug/l	100
24) 1,1-Dichloroethane	6.21	63	220901	49.166	ug/l	98
25) 2-Butanone	7.18	43	152115	225.569	ug/l	99
26) 2,2-Dichloropropane	7.17	77	157378	50.173	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	129036	49.760	ug/l	99
28) Bromochloromethane	7.51	49	81591	45.845	ug/l	97
29) Tetrahydrofuran	7.54	42	92693	220.018	ug/l	99
30) Chloroform	7.68	83	228574	49.277	ug/l	99
31) Cyclohexane	7.96	56	202794	47.111	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	205061	50.043	ug/l	99
36) 1,1-Dichloropropene	8.09	75	181838	52.367	ug/l	100
37) Ethyl Acetate	7.26	43	66054	45.203	ug/l	99
38) Carbon Tetrachloride	8.07	117	195220	52.465	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	219993	53.699	ug/l	99
40) Benzene	8.33	78	506933	51.525	ug/l	99
41) Methacrylonitrile	7.49	41	43932	52.832	ug/l	94
42) 1,2-Dichloroethane	8.40	62	152737	48.489	ug/l	99
43) Isopropyl Acetate	8.43	43	131144	45.647	ug/l	99
44) Trichloroethene	9.10	130	130996	52.017	ug/l	100
45) 1,2-Dichloropropane	9.37	63	121859	50.345	ug/l	99
46) Dibromomethane	9.46	93	59095	48.863	ug/l	98
47) Bromodichloromethane	9.65	83	164053	50.497	ug/l	100
48) Methyl methacrylate	9.44	41	65949	48.329	ug/l	95
49) 1,4-Dioxane	9.48	88	17831	927.357	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	331139	228.842	ug/l	100
52) Toluene	10.39	92	317323	51.691	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	166195	51.030	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	191700	52.534	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	86281	50.260	ug/l	99
56) Ethyl methacrylate	10.65	69	108163	51.040	ug/l	99
57) 1,3-Dichloropropane	10.94	76	150024	49.309	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	245189	255.235	ug/l	99
59) 2-Hexanone	10.98	43	247641	251.924	ug/l	100
60) Dibromochloromethane	11.13	129	106850	51.513	ug/l	100
61) 1,2-Dibromoethane	11.24	107	79661	49.770	ug/l	97
64) Tetrachloroethene	10.87	164	112728	50.059	ug/l	98
65) Chlorobenzene	11.66	112	347113	51.534	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	126394	52.138	ug/l	100
67) Ethyl Benzene	11.74	91	640515	53.574	ug/l	100
68) m/p-Xylenes	11.85	106	486412	107.686	ug/l	100
69) o-Xylene	12.17	106	225866	53.392	ug/l	100
70) Styrene	12.19	104	374114	52.551	ug/l	98
71) Bromoform	12.35	173	64043	49.769	ug/l	99
73) Isopropylbenzene	12.47	105	657617	55.910	ug/l	100
74) N-amyl acetate	12.28	43	129037	48.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	95735	49.002	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	137182	94.882	ug/l #	100
77) Bromobenzene	12.76	156	143929	52.209	ug/l	98
78) n-propylbenzene	12.81	91	793720	55.738	ug/l	99
79) 2-Chlorotoluene	12.90	91	449597	54.571	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	565995	55.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	32900	51.252	ug/l	97
82) 4-Chlorotoluene	12.99	91	472526	54.283	ug/l	99
83) tert-Butylbenzene	13.21	119	484183	56.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	577769	55.980	ug/l	99
85) sec-Butylbenzene	13.39	105	701271	56.274	ug/l	100
86) p-Isopropyltoluene	13.51	119	631602	56.546	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	298825	53.011	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	292134	52.108	ug/l	100
89) n-Butylbenzene	13.83	91	599956	56.945	ug/l	99
90) Hexachloroethane	14.10	117	108745	53.715	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	263503	52.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17044	45.789	ug/l	99

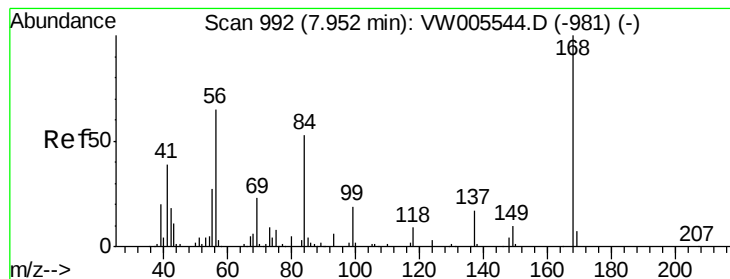
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	192722	54.291	ug/l	99
94) Hexachlorobutadiene	15.25	225	125715	54.665	ug/l	99
95) Naphthalene	15.38	128	314568	52.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	167706	53.609	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

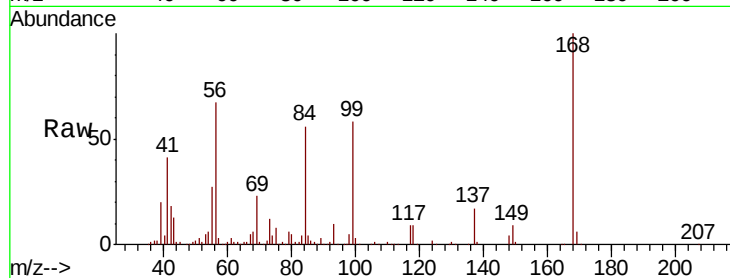
VSTDCCC050

Tgt Ion:168 Resp: 235687

Ion Ratio Lower Upper

168 100

99 57.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

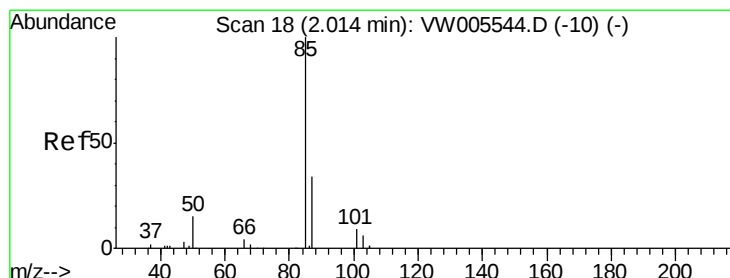
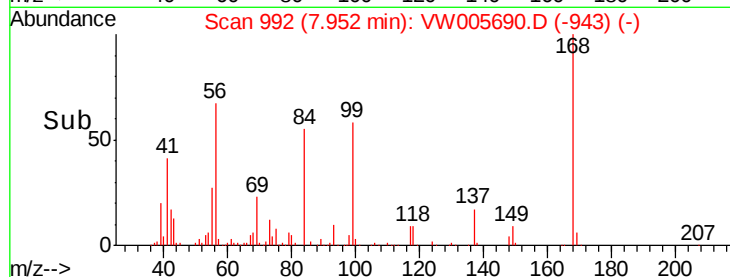
60000

40000

20000

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Time-->



#2

Dichlorodifluoromethane

Concen: 47.482 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005690.D

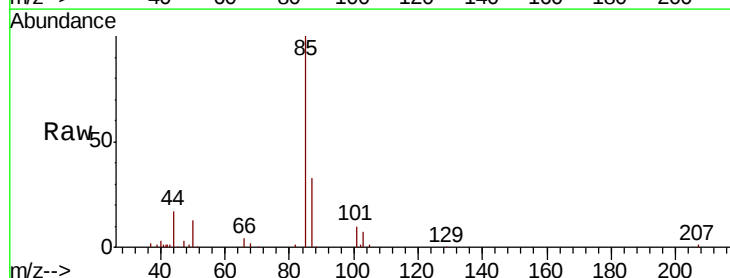
Acq: 27 Sep 2018 10:34

Tgt Ion: 85 Resp: 67538

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

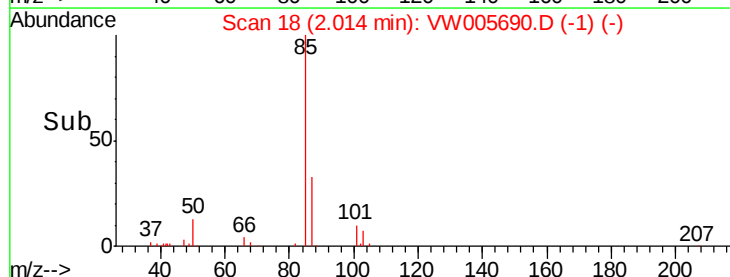
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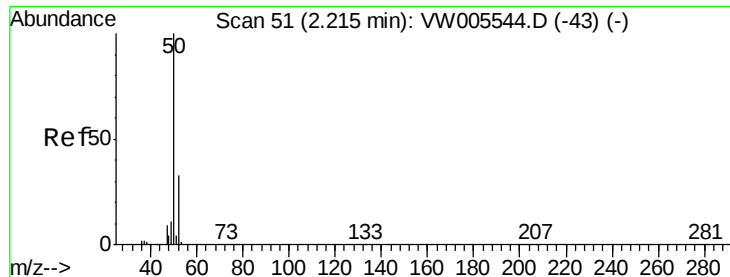
10000

5000

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Time-->





#3

Chloromethane

Concen: 40.589 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

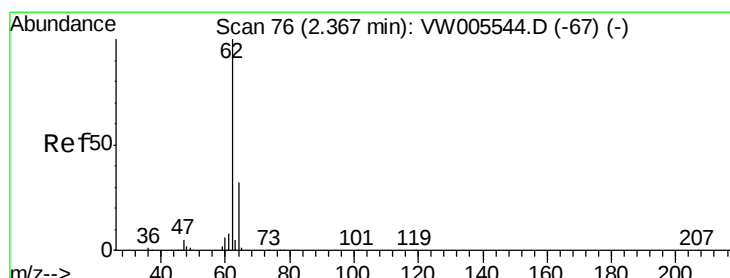
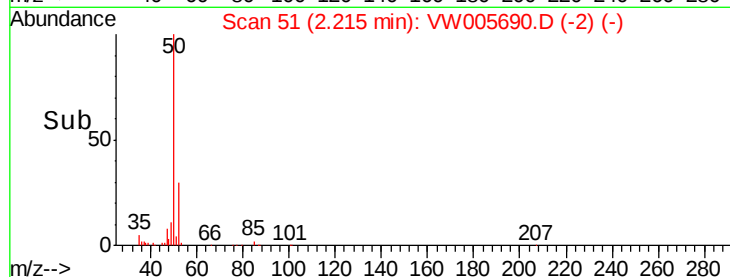
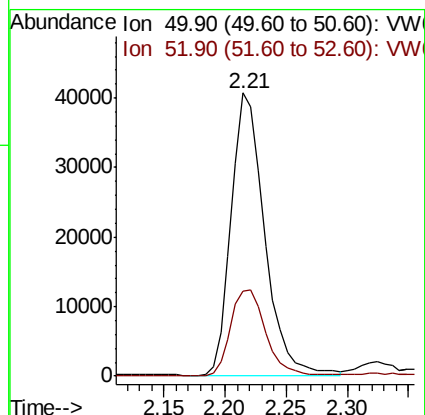
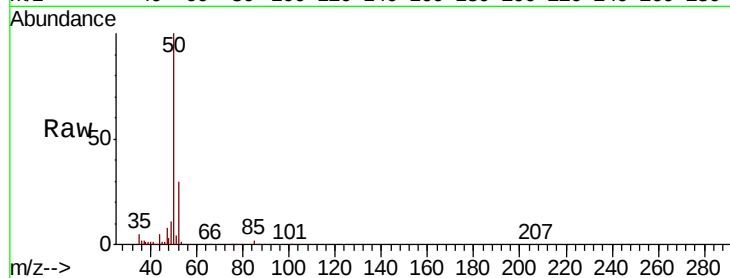
VSTDCCC050

Tgt Ion: 50 Resp: 76900

Ion Ratio Lower Upper

50 100

52 30.2 26.2 39.4



#4

Vinyl Chloride

Concen: 50.071 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005690.D

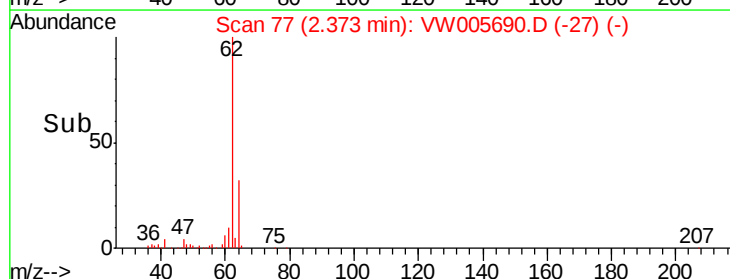
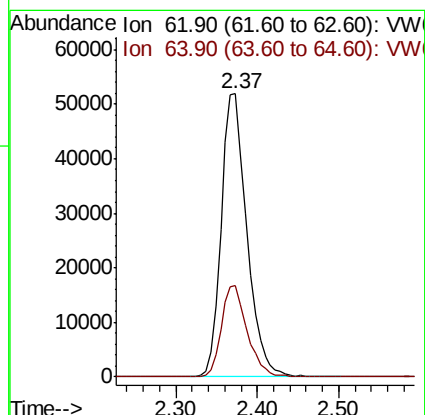
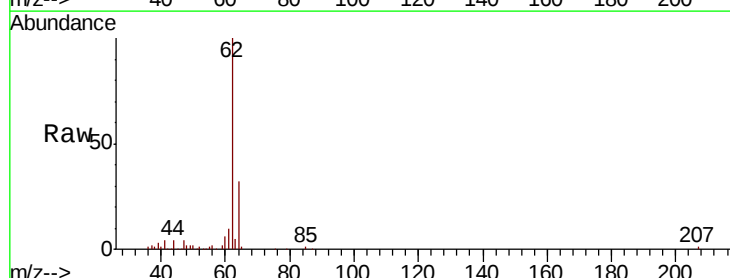
Acq: 27 Sep 2018 10:34

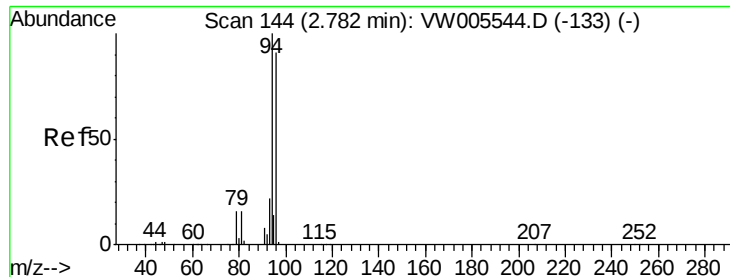
Tgt Ion: 62 Resp: 113394

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 46.389 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

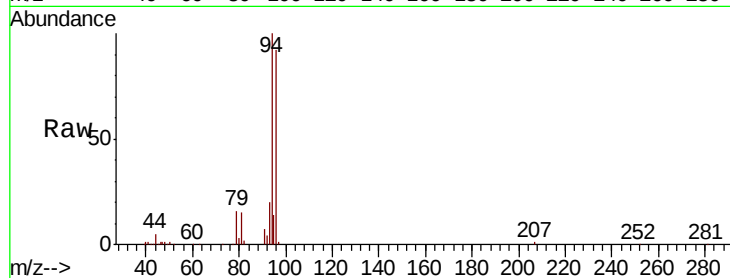
VSTDCCC050

Tgt Ion: 94 Resp: 70996

Ion Ratio Lower Upper

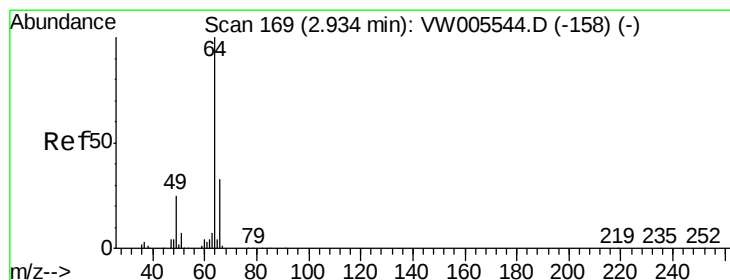
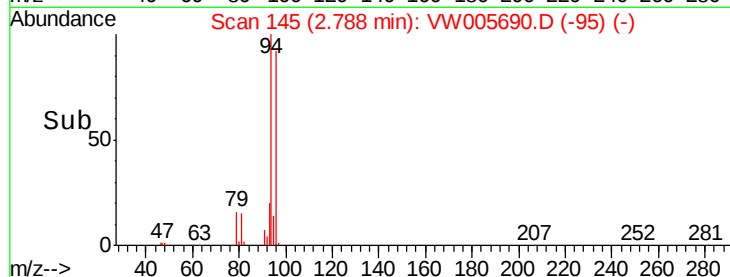
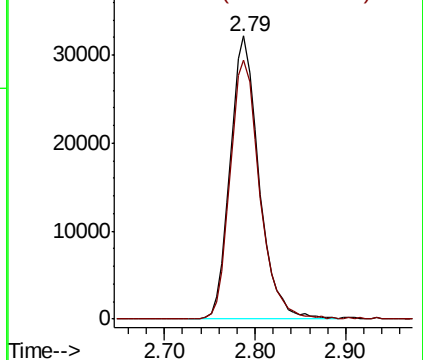
94 100

96 91.5 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 46.911 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005690.D

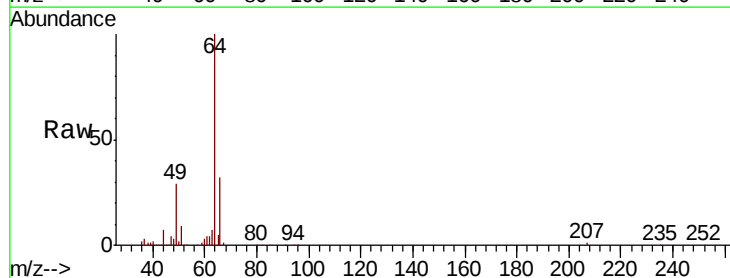
Acq: 27 Sep 2018 10:34

Tgt Ion: 64 Resp: 68170

Ion Ratio Lower Upper

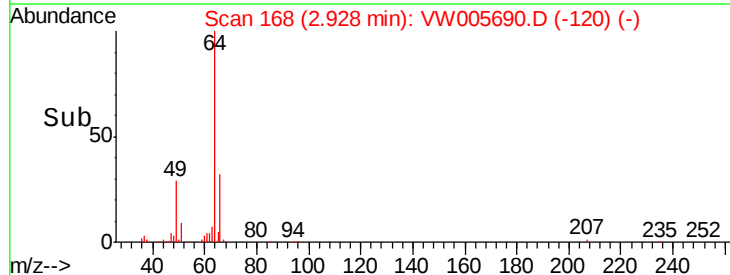
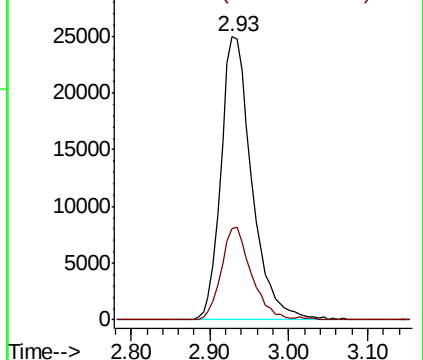
64 100

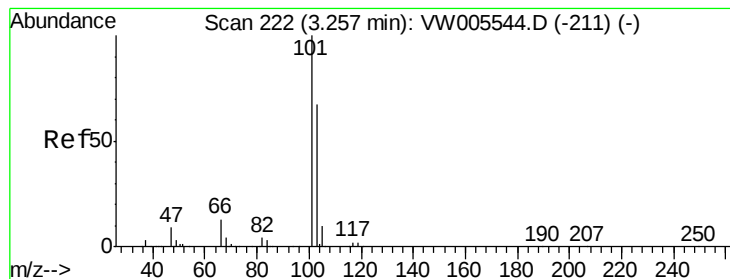
66 31.8 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



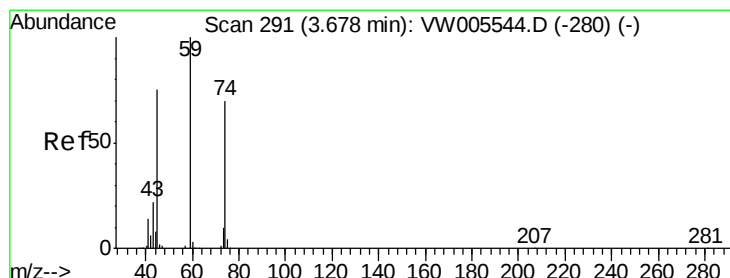
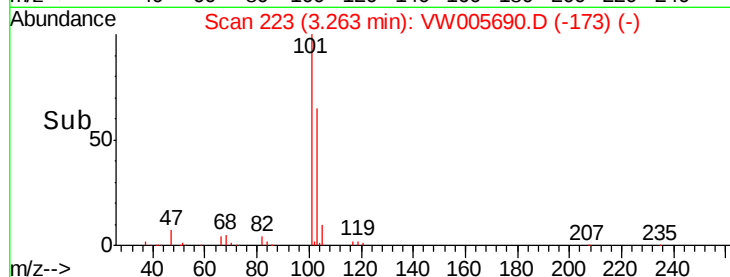
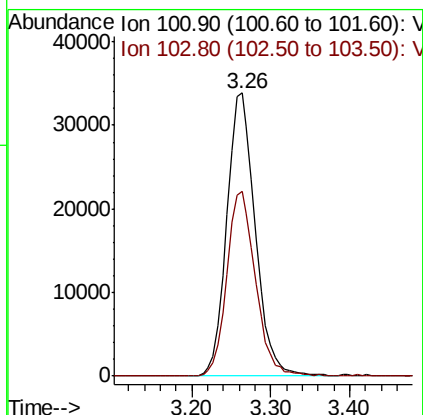
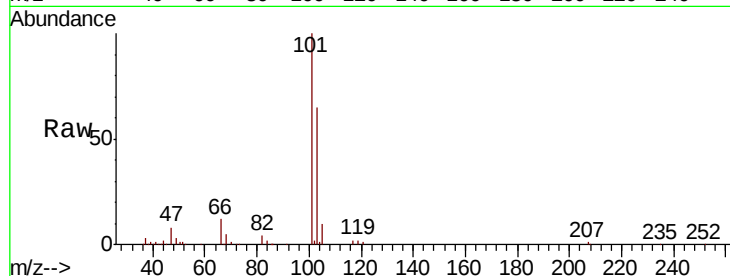


#7

Trichlorofluoromethane
 Concen: 48.028 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

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 ClientSampleId :
 VSTDCCC050

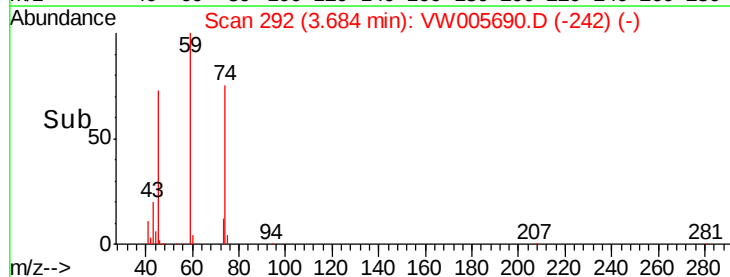
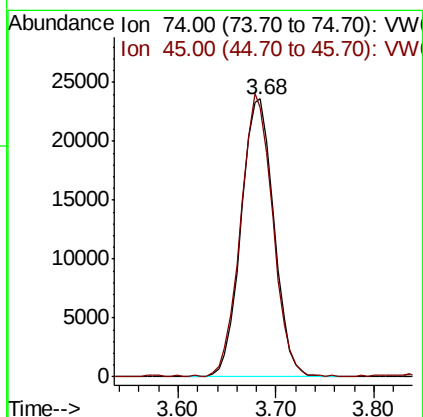
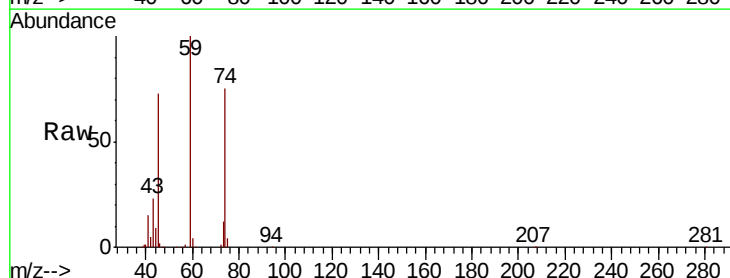
Tgt Ion: 101 Resp: 85069
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.2 79.8

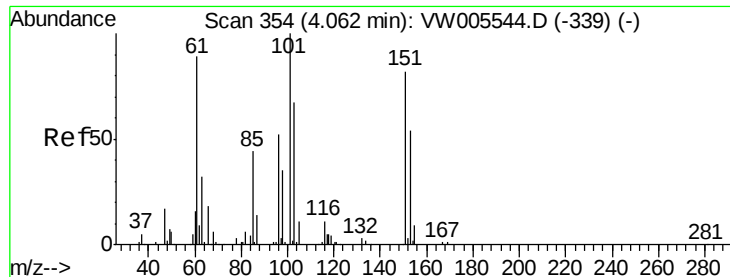


#8

Diethyl Ether
 Concen: 47.633 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 74 Resp: 55113
 Ion Ratio Lower Upper
 74 100
 45 100.1 51.7 155.2

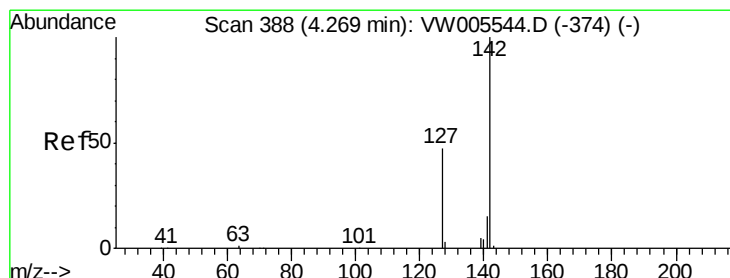
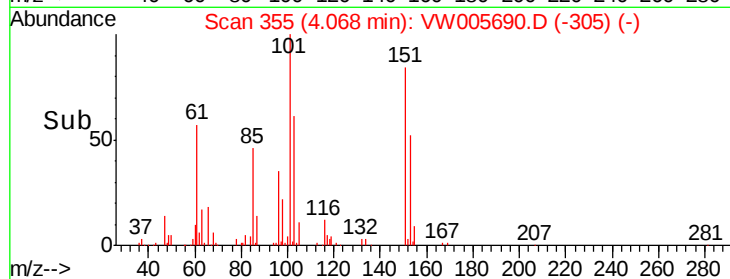
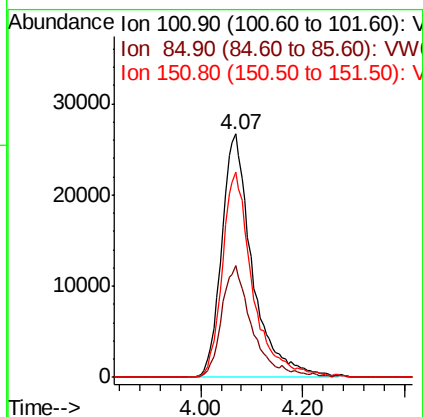
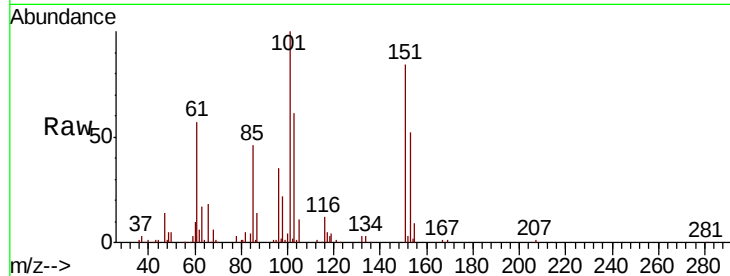




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.803 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

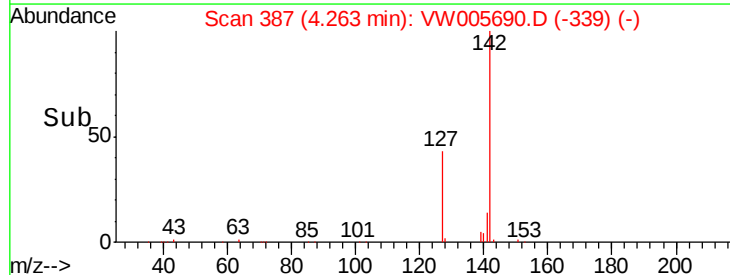
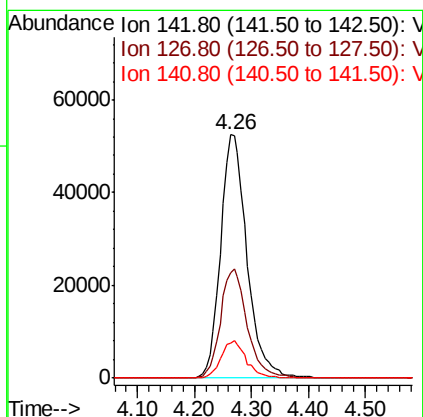
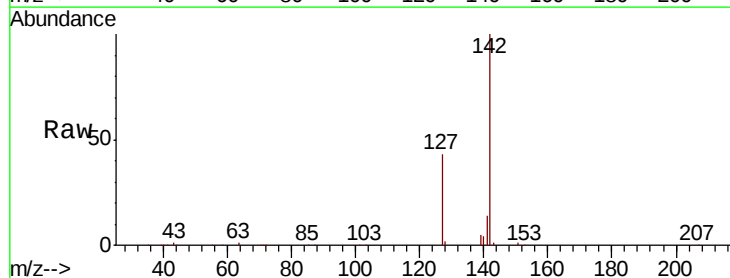
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

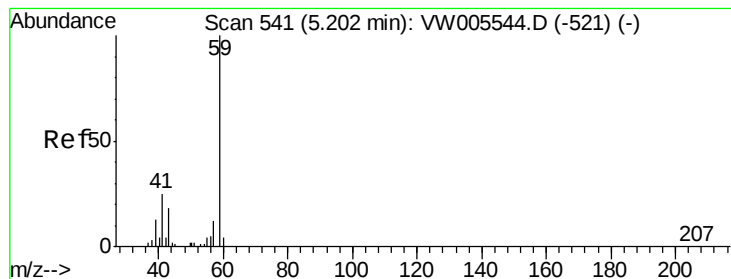
Tgt Ion:101 Resp: 111664
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.4 54.6
 151 82.9 65.8 98.6



#10
 Methyl Iodide
 Concen: 49.027 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion:142 Resp: 169051
 Ion Ratio Lower Upper
 142 100
 127 45.4 37.4 56.0
 141 14.8 11.9 17.9



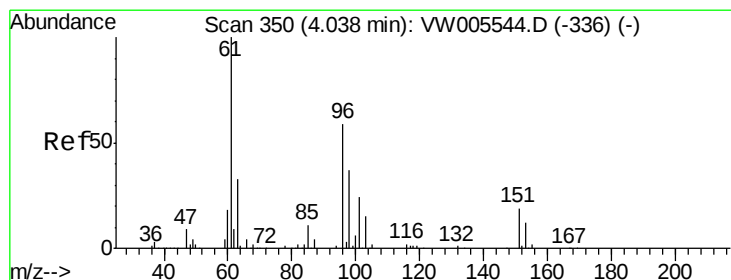
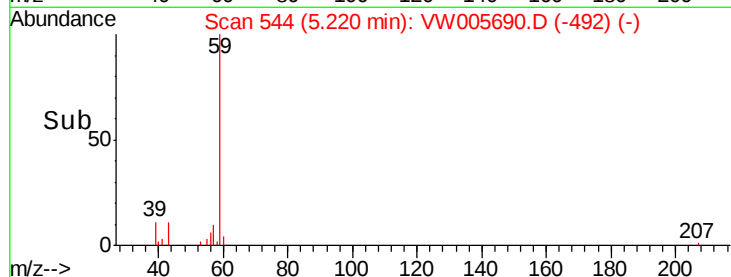
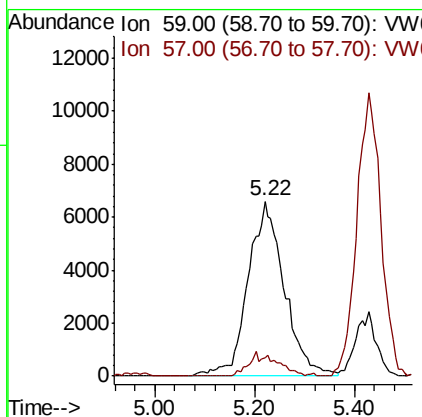
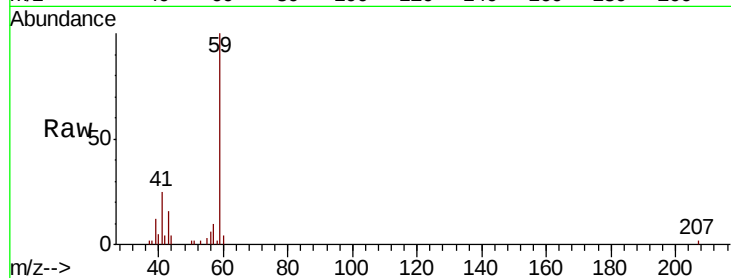


#11

Tert butyl alcohol
 Concen: 230.915 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.02 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

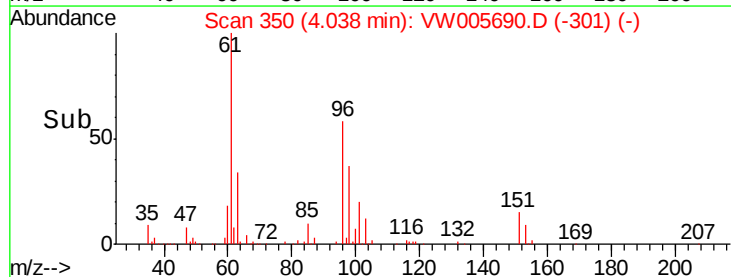
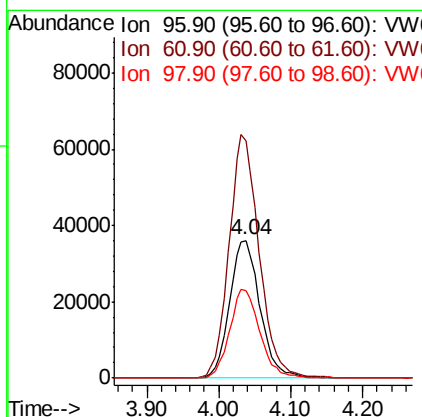
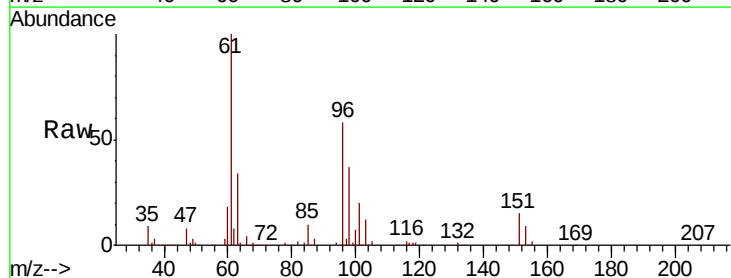
Tgt Ion: 59 Resp: 33130
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.3 12.5#

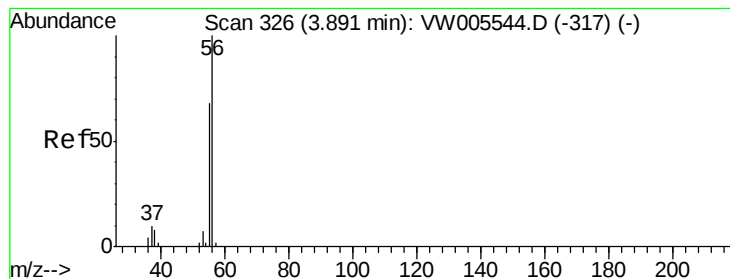


#12

1,1-Dichloroethene
 Concen: 49.569 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 96 Resp: 106402
 Ion Ratio Lower Upper
 96 100
 61 172.3 135.0 202.6
 98 64.1 50.6 76.0





#13

Acrolein

Concen: 228.372 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

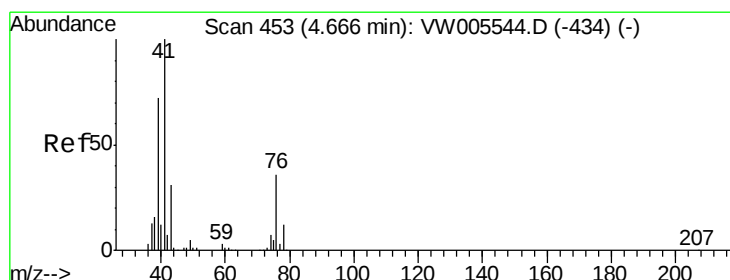
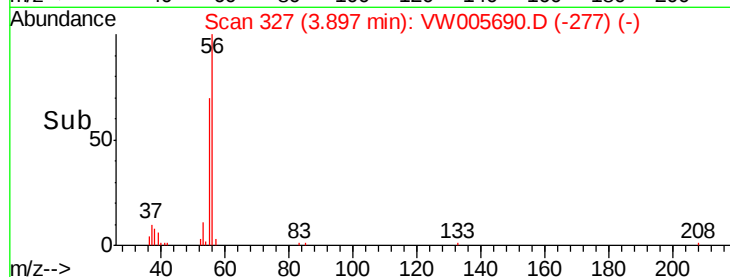
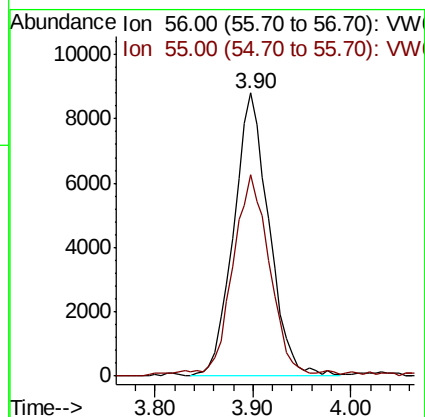
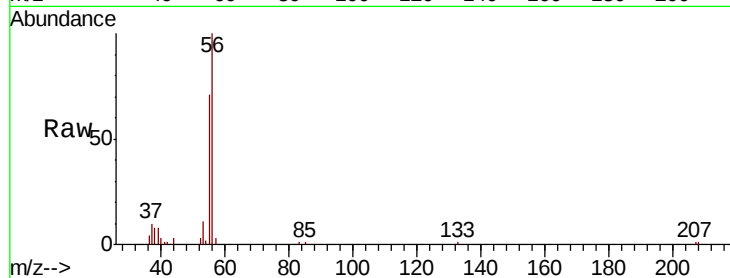
VSTDCCC050

Tgt Ion: 56 Resp: 22057

Ion Ratio Lower Upper

56 100

55 71.9 57.8 86.8



#14

Allyl chloride

Concen: 48.889 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

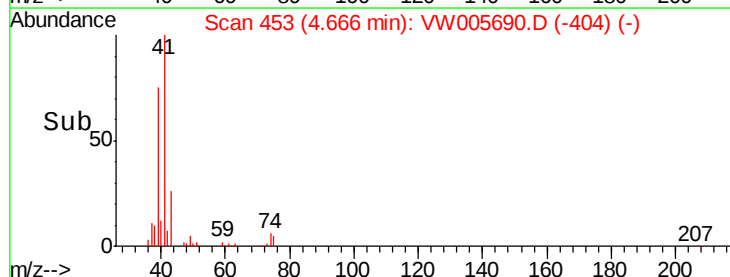
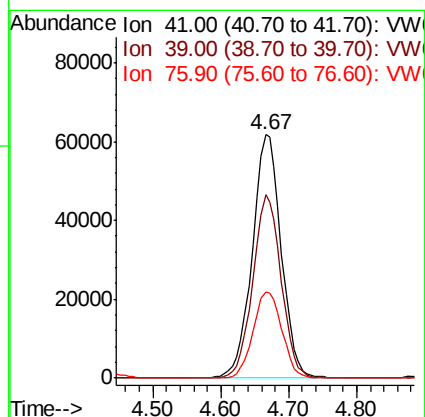
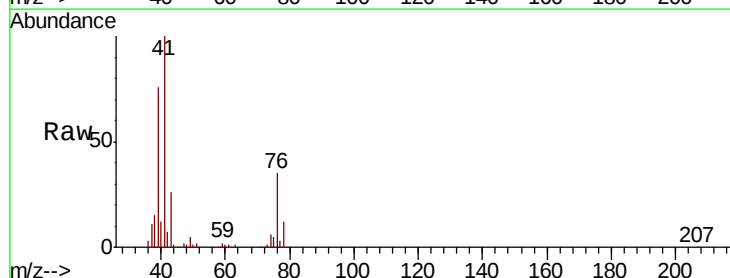
Tgt Ion: 41 Resp: 183142

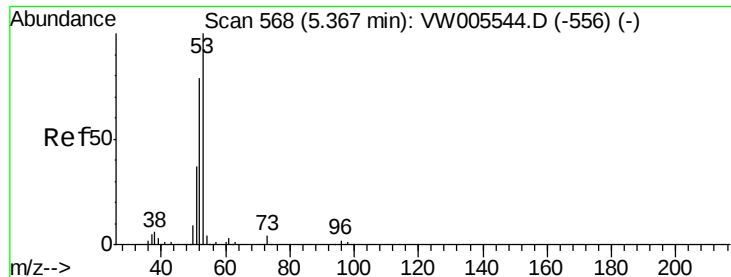
Ion Ratio Lower Upper

41 100

39 74.0 59.6 89.4

76 35.2 27.7 41.5





#15

Acrylonitrile

Concen: 218.675 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

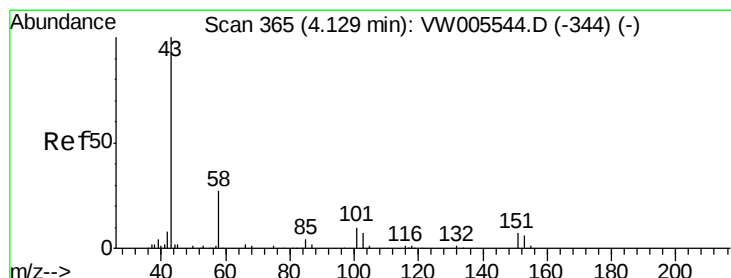
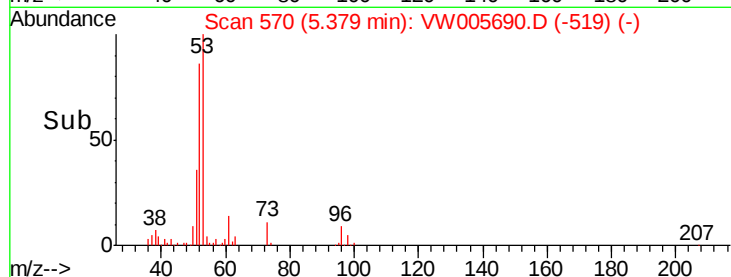
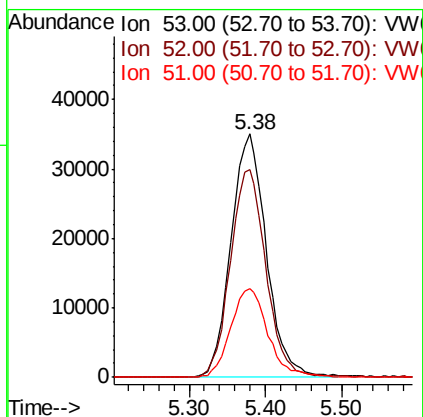
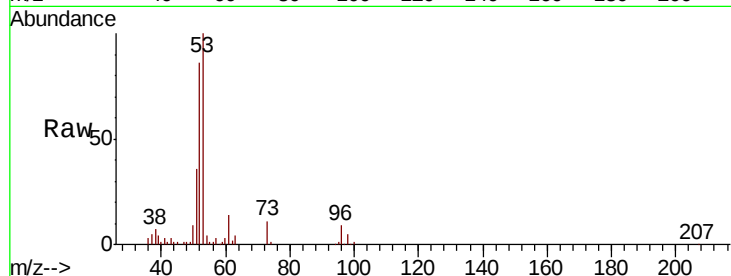
Tgt Ion: 53 Resp: 112336

Ion Ratio Lower Upper

53 100

52 85.8 66.5 99.7

51 38.6 30.6 46.0



#16

Acetone

Concen: 286.968 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005690.D

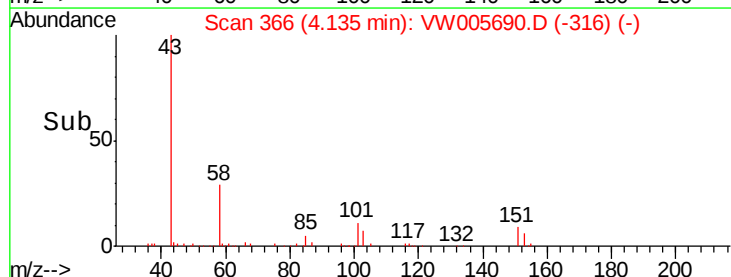
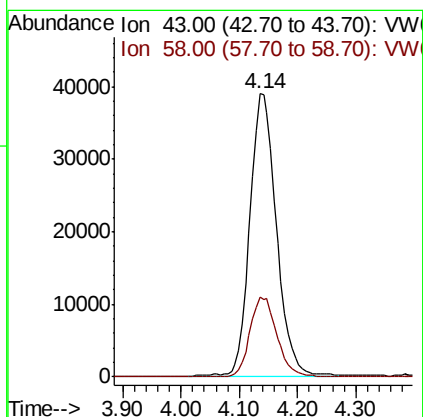
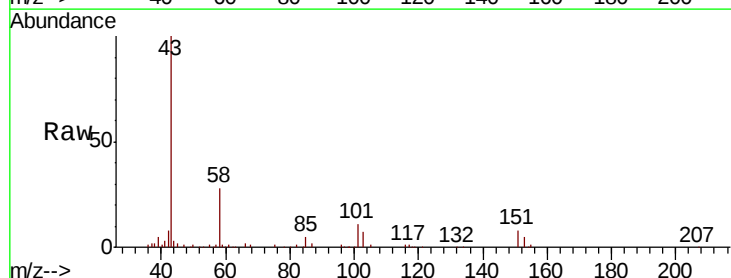
Acq: 27 Sep 2018 10:34

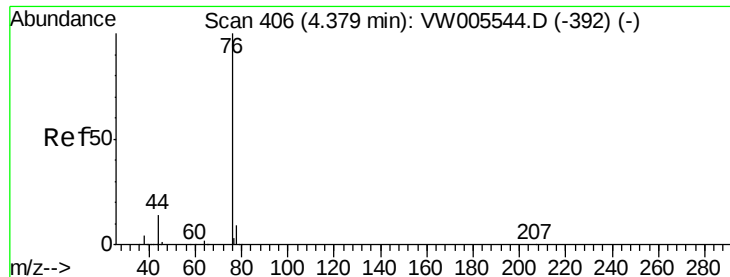
Tgt Ion: 43 Resp: 124652

Ion Ratio Lower Upper

43 100

58 28.1 21.8 32.8

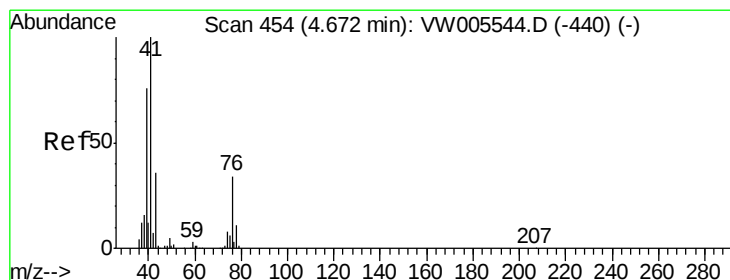
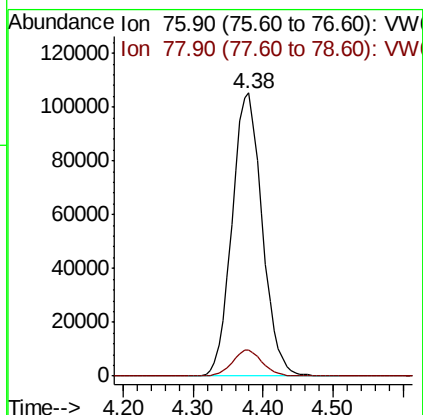
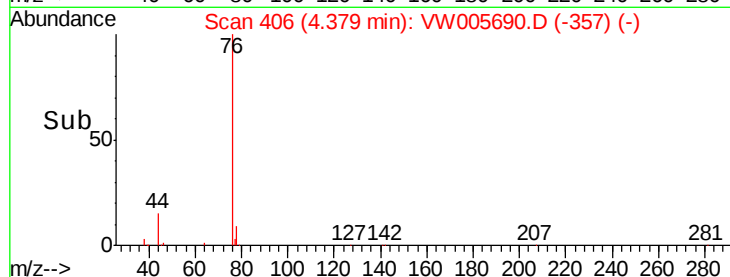
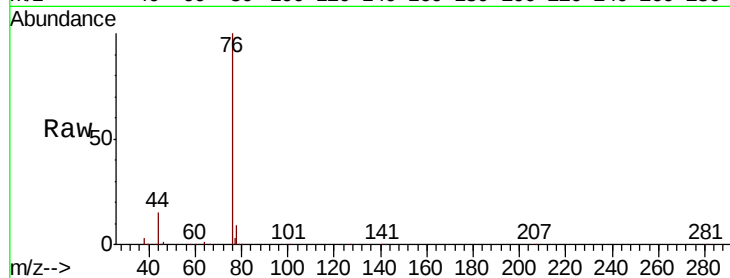




#17
Carbon Disulfide
Concen: 47.042 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

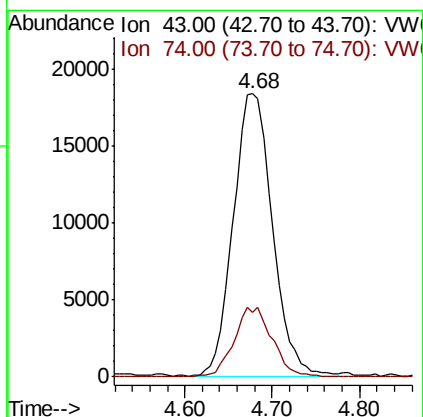
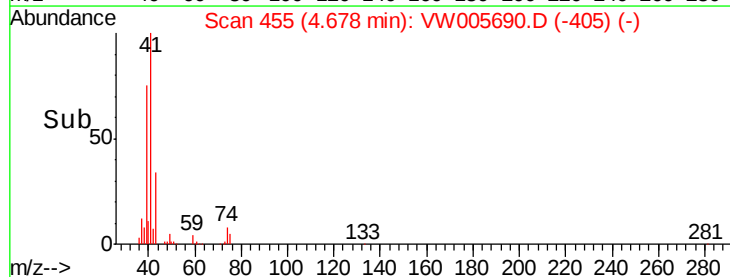
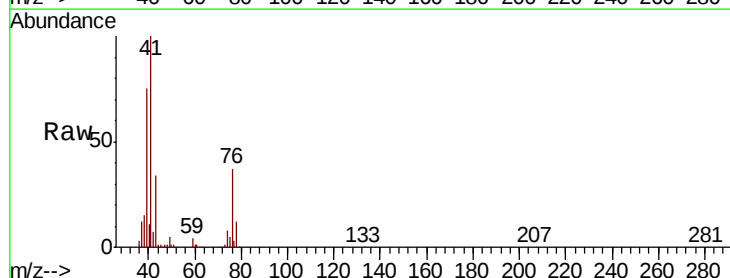
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

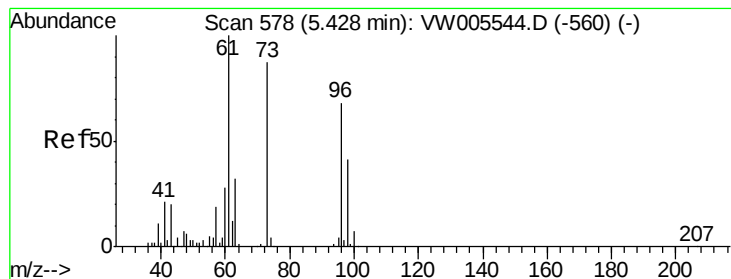
Tgt Ion: 76 Resp: 315494
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 43.923 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion: 43 Resp: 57801
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 48.586 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

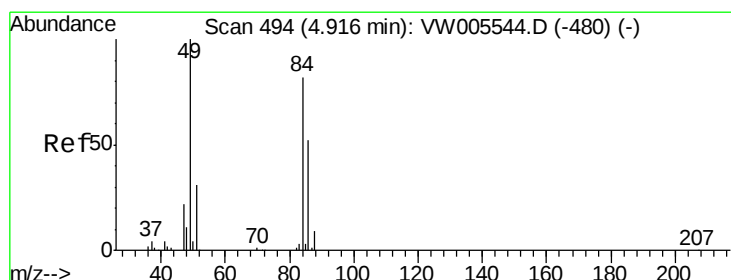
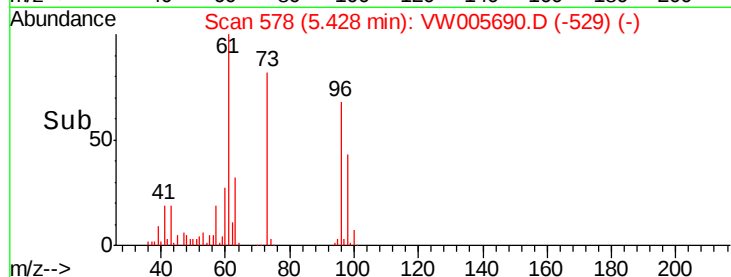
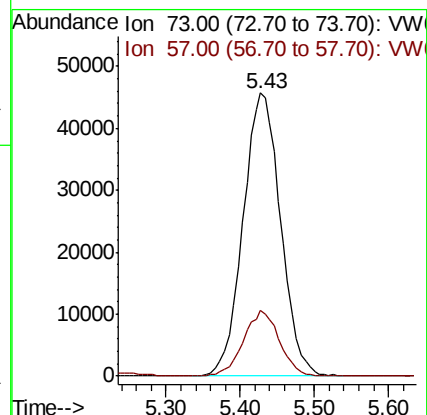
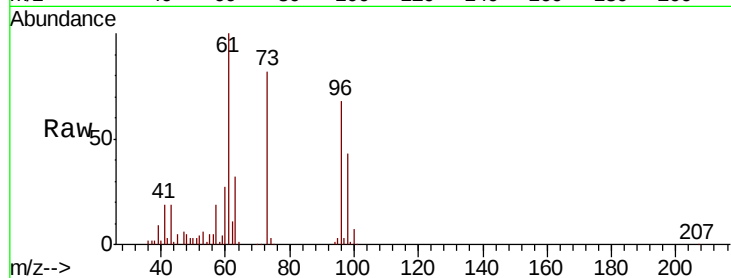
VSTDCCC050

Tgt Ion: 73 Resp: 160974

Ion Ratio Lower Upper

73 100

57 23.4 17.6 26.4



#20

Methylene Chloride

Concen: 51.893 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Tgt Ion: 84 Resp: 120341

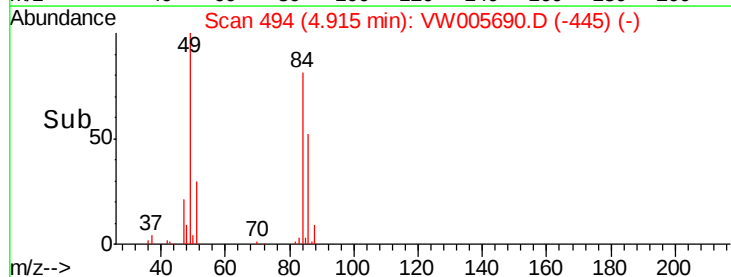
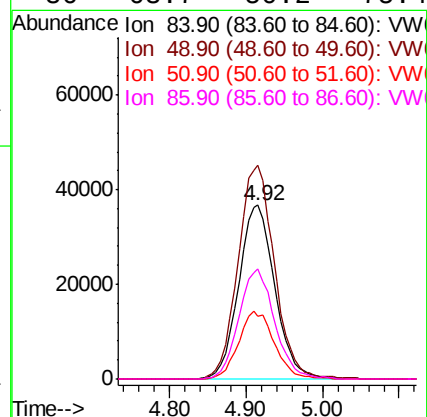
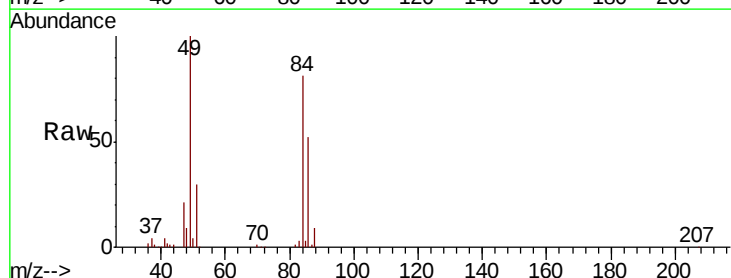
Ion Ratio Lower Upper

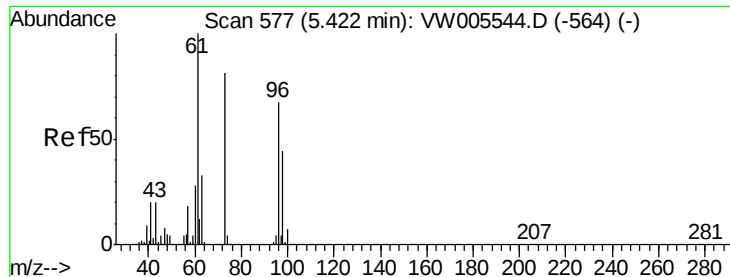
84 100

49 123.1 97.0 145.6

51 36.4 30.2 45.2

86 63.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 49.264 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

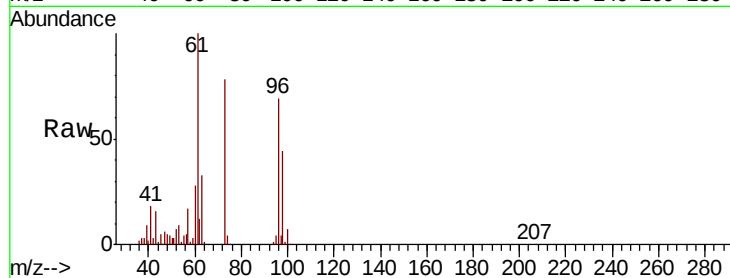
Tgt Ion: 96 Resp: 115822

Ion Ratio Lower Upper

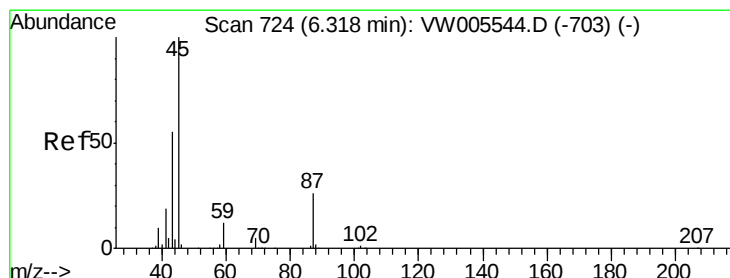
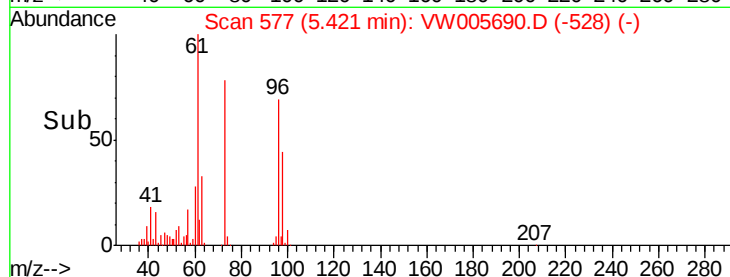
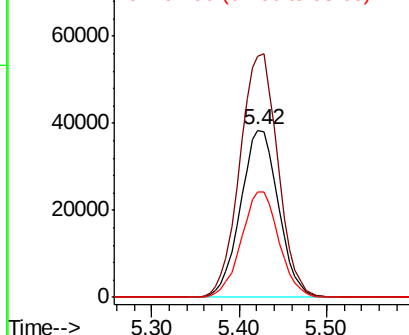
96 100

61 144.4 118.9 178.3

98 63.3 52.1 78.1



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: 50.214 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Tgt Ion: 45 Resp: 365163

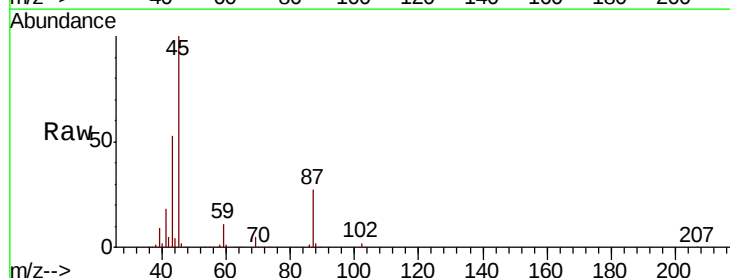
Ion Ratio Lower Upper

45 100

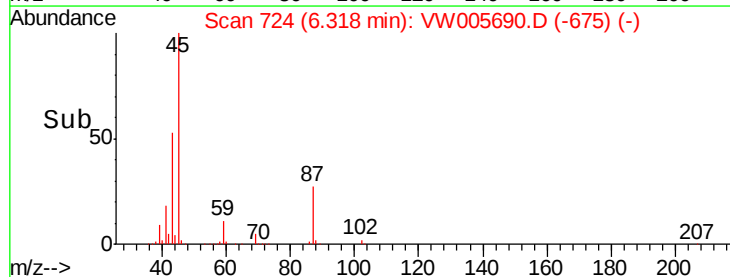
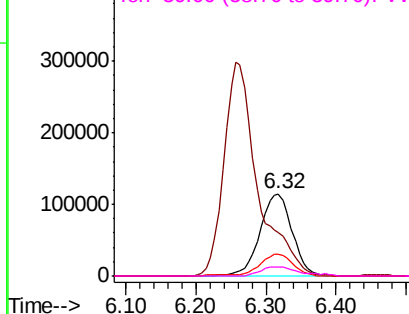
43 53.3 44.2 66.4

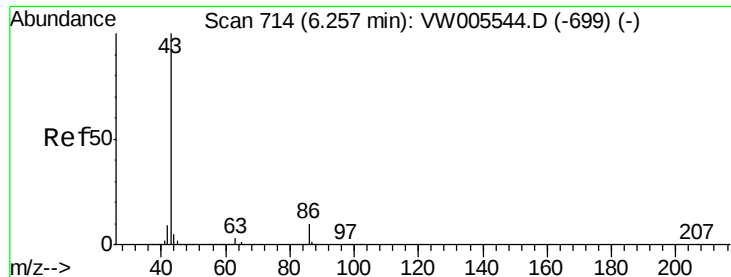
87 26.6 21.4 32.2

59 11.1 9.3 13.9



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: 240.669 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

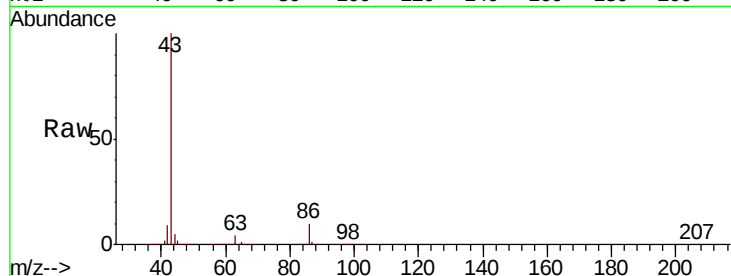
VSTDCCC050

Tgt Ion: 43 Resp: 1000347

Ion Ratio Lower Upper

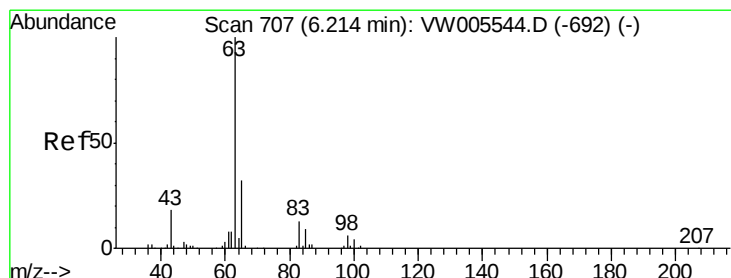
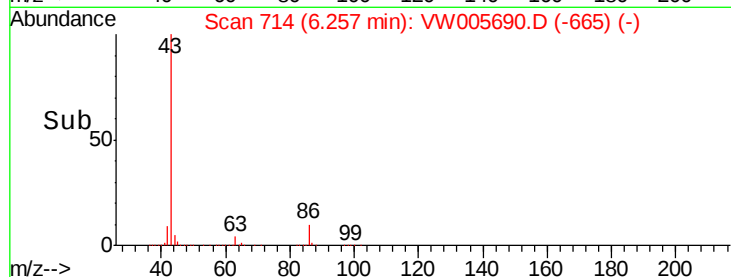
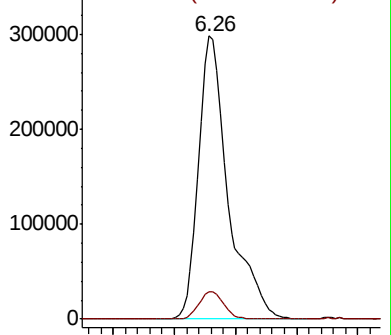
43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.166 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

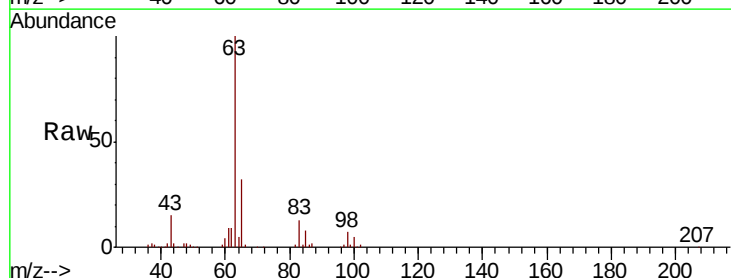
Tgt Ion: 63 Resp: 220901

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

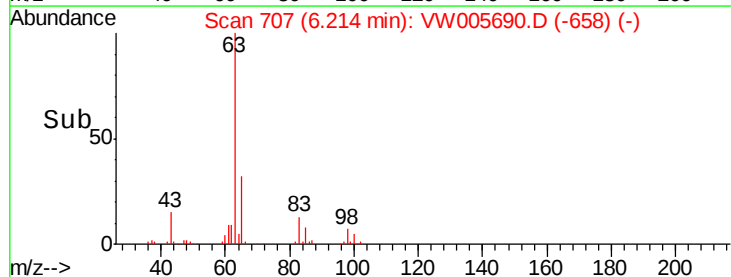
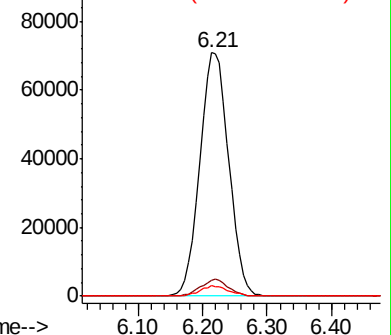
100 4.5 2.1 6.2

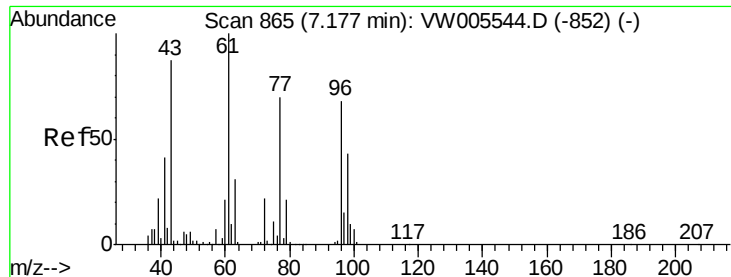


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 225.569 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

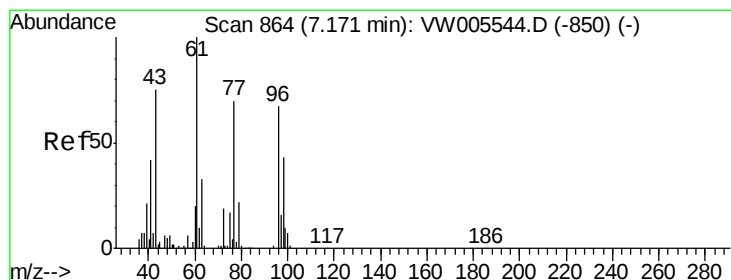
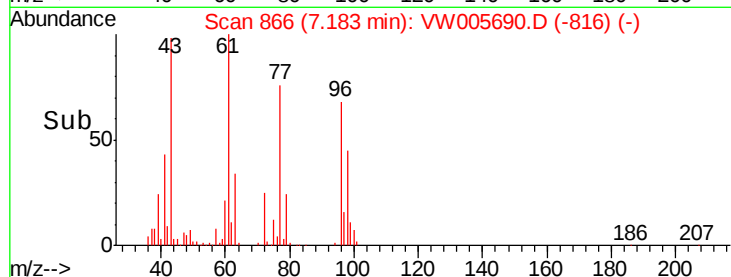
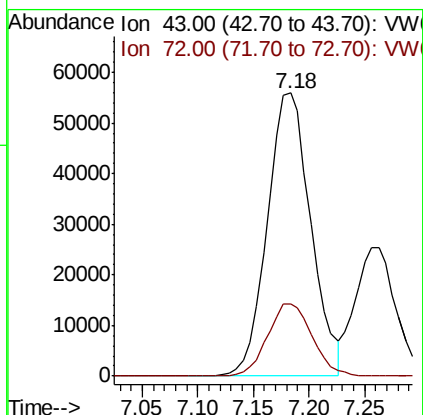
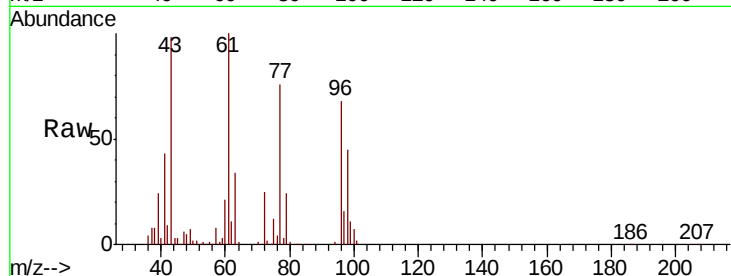
VSTDCCC050

Tgt Ion: 43 Resp: 152115

Ion Ratio Lower Upper

43 100

72 25.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 50.173 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005690.D

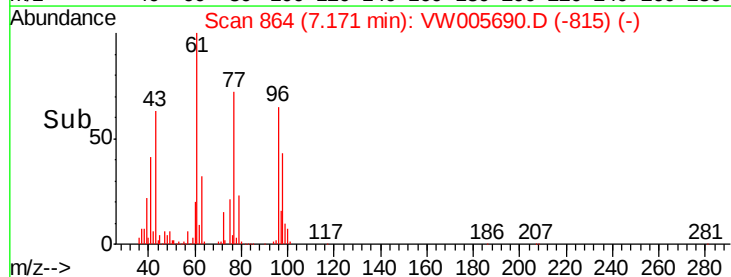
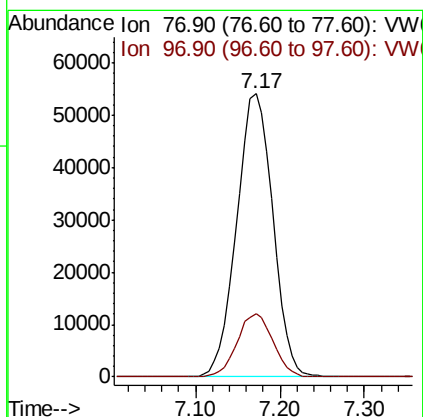
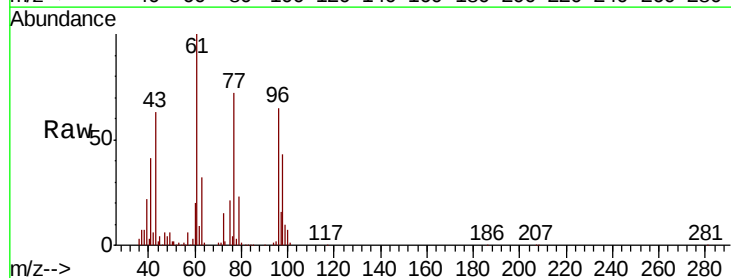
Acq: 27 Sep 2018 10:34

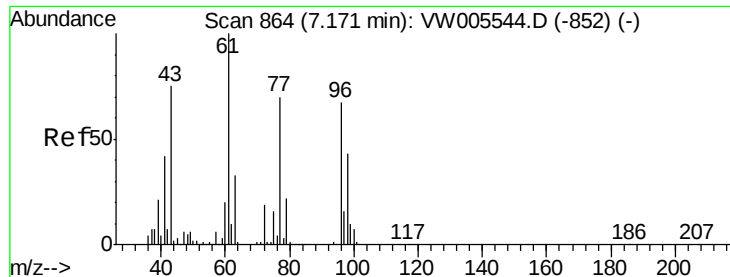
Tgt Ion: 77 Resp: 157378

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



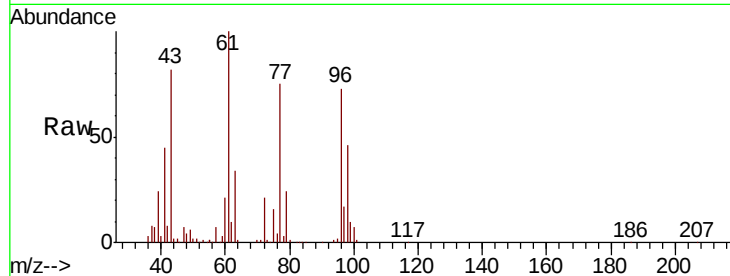


#27

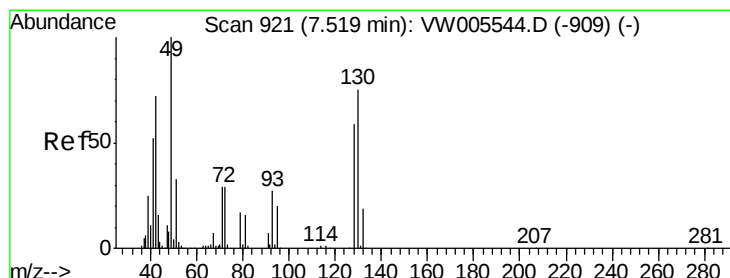
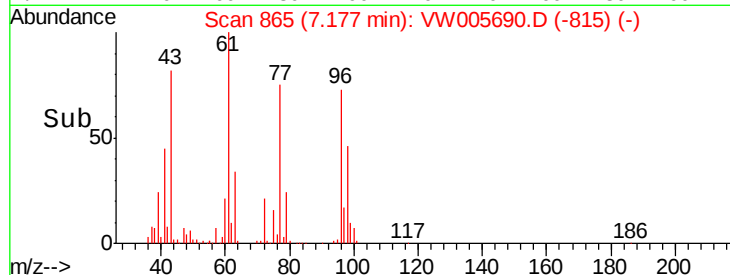
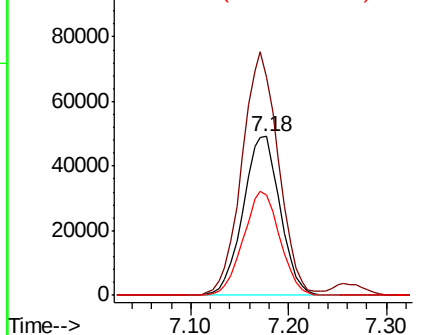
cis-1,2-Dichloroethene
 Concen: 49.760 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	129036		
61	151.2	0.0	303.4
98	65.0	0.0	127.2



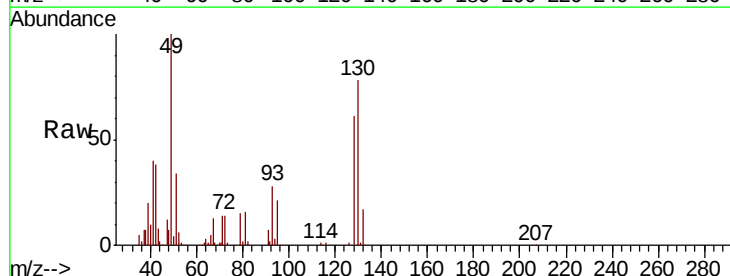
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



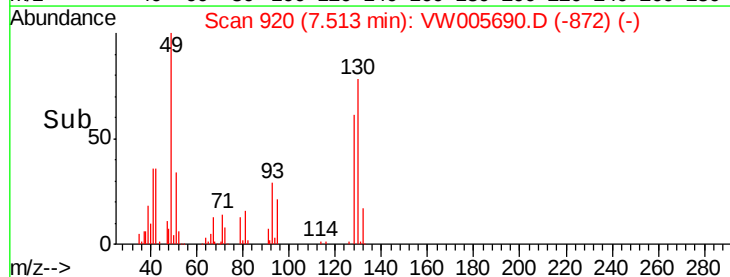
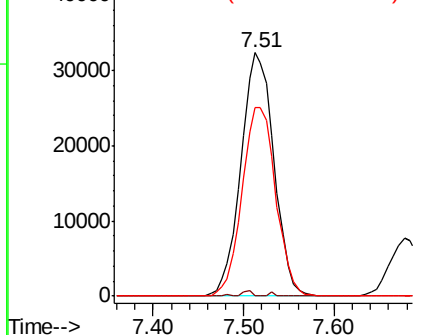
#28

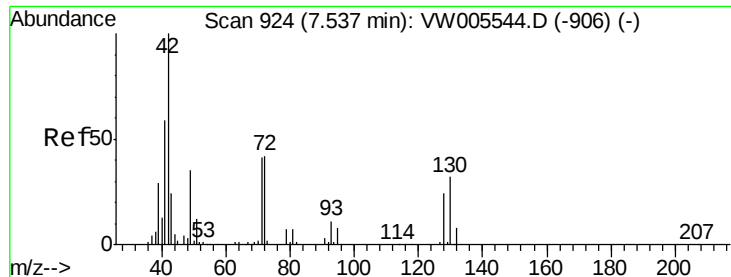
Bromochloromethane
 Concen: 45.845 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion	Resp	Lower	Upper
49	81591		
129	0.7	0.0	1.4
130	79.1	61.3	91.9



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

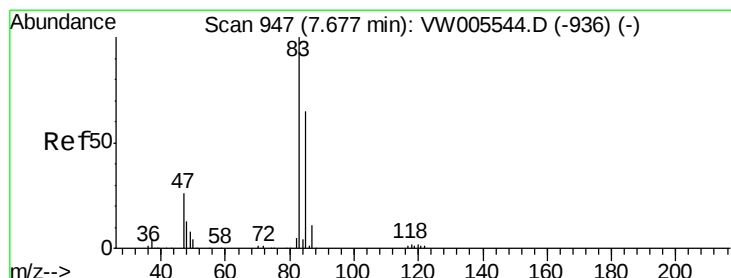
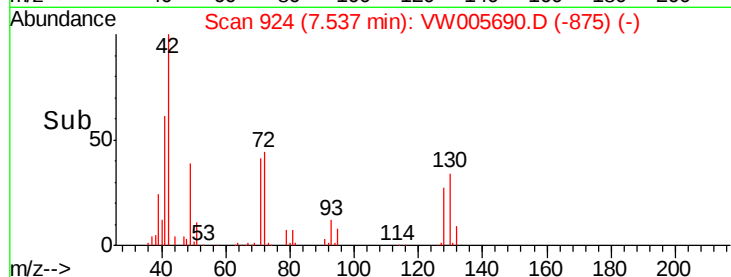
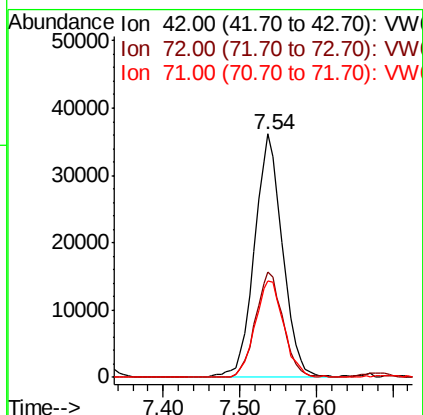
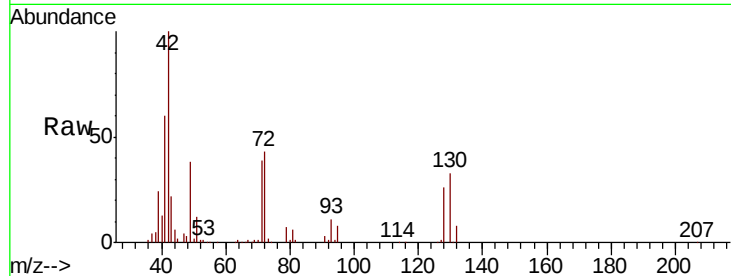




#29
Tetrahydrofuran
Concen: 220.018 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

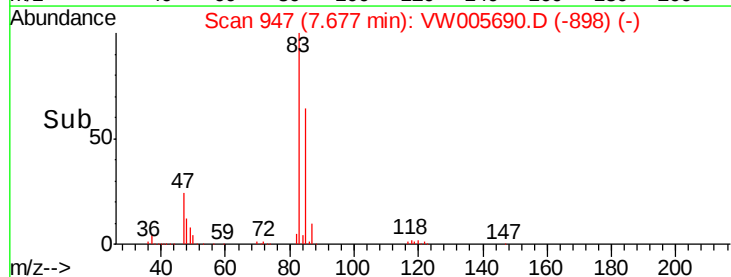
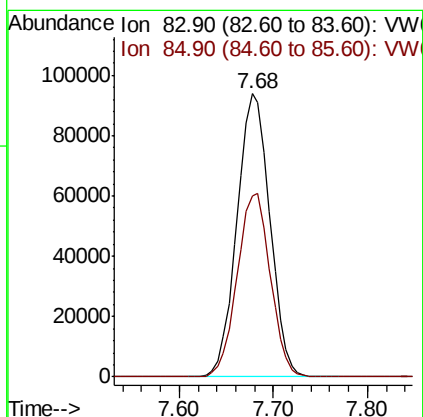
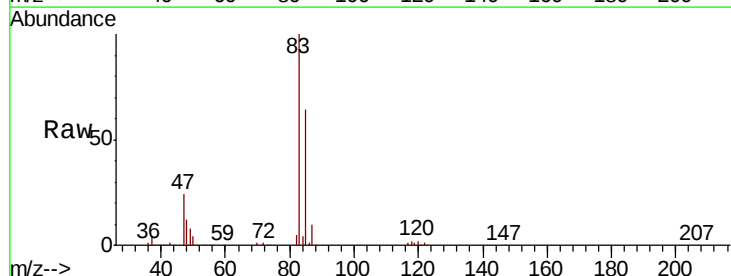
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

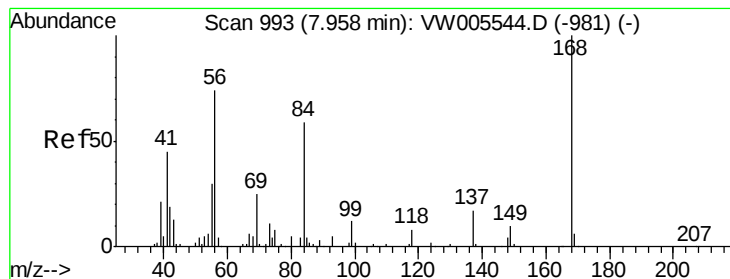
Tgt Ion: 42 Resp: 92693
Ion Ratio Lower Upper
42 100
72 42.5 33.6 50.4
71 40.5 31.8 47.6



#30
Chloroform
Concen: 49.277 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion: 83 Resp: 228574
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6





#31

Cyclohexane

Concen: 47.111 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

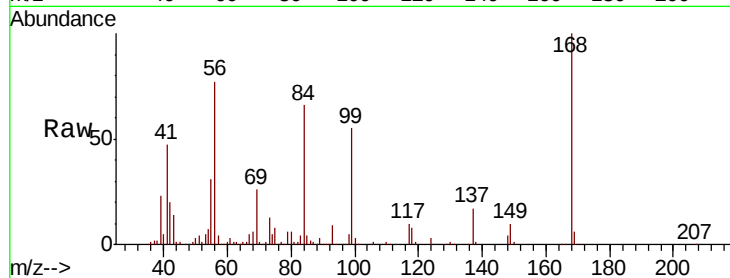
Tgt Ion: 56 Resp: 202794

Ion Ratio Lower Upper

56 100

69 33.7 27.0 40.4

84 85.0 64.2 96.4

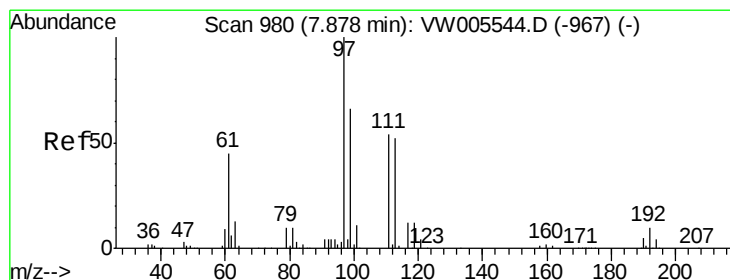
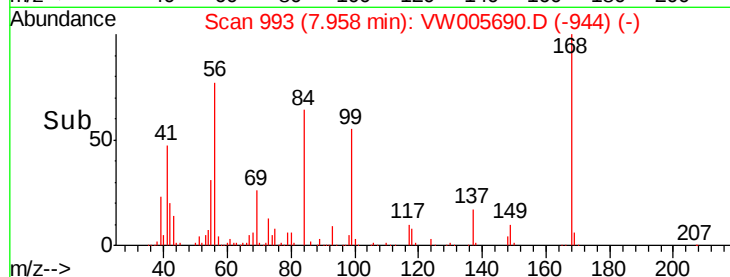
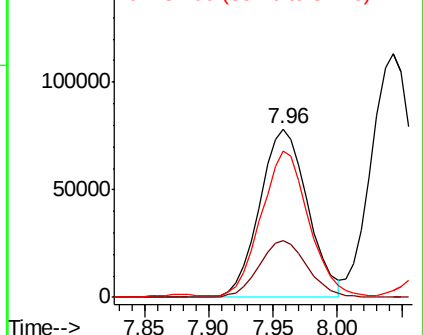


Abundance

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: 50.043 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

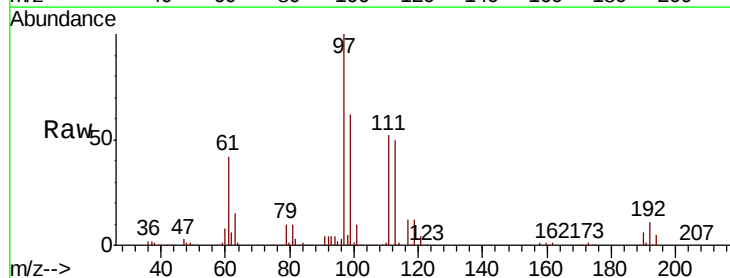
Tgt Ion: 97 Resp: 205061

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 43.5 36.2 54.2

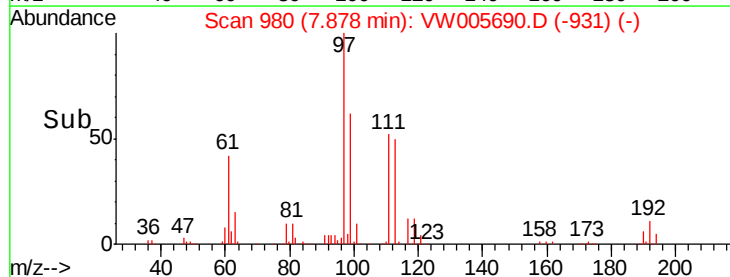
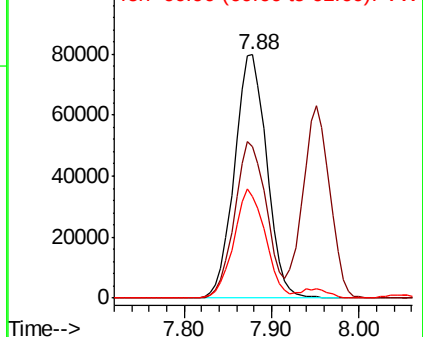


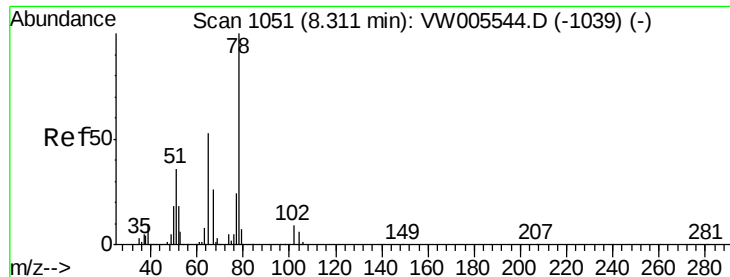
Abundance

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

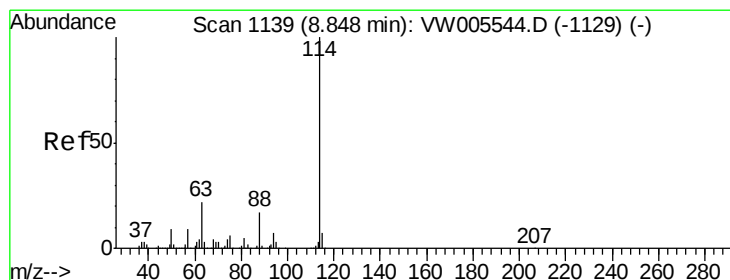
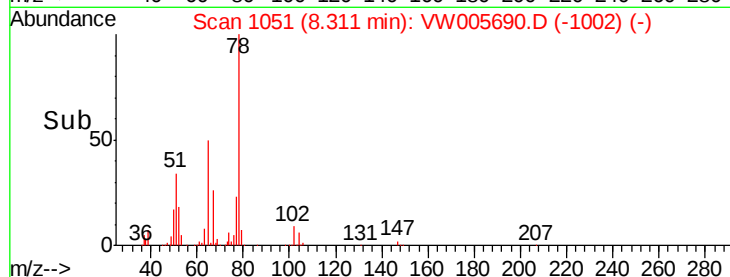
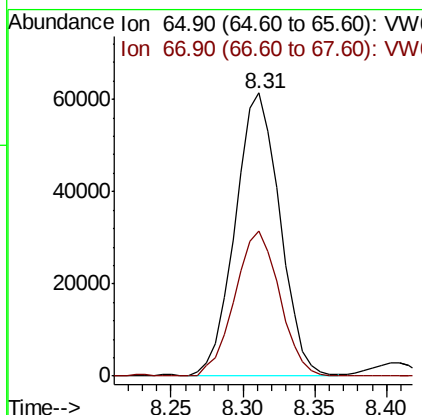
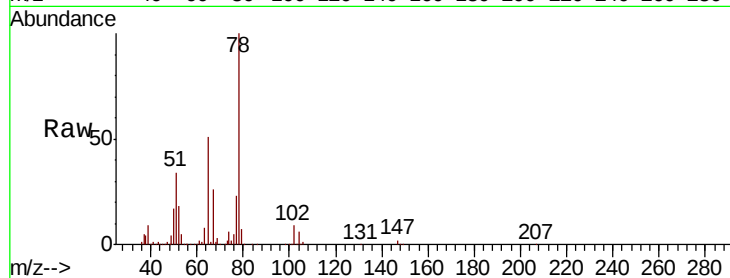




#33
 1,2-Dichloroethane-d4
 Concen: 47.725 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

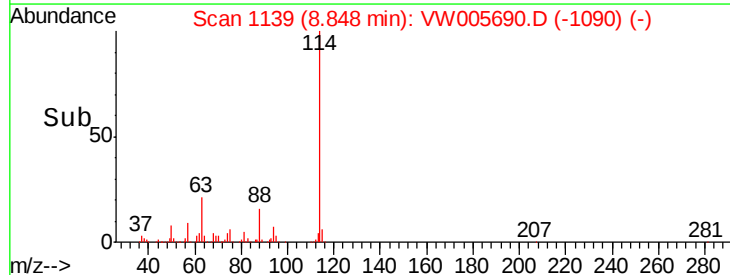
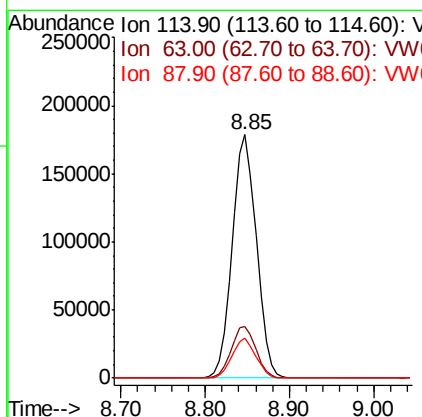
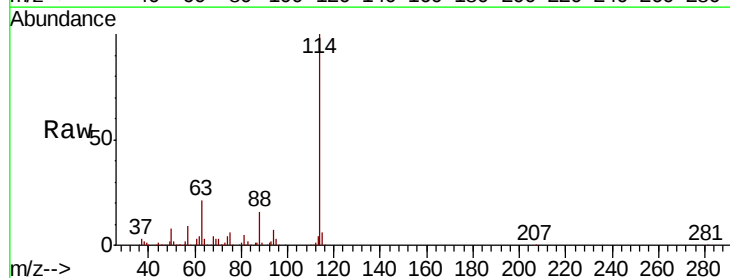
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

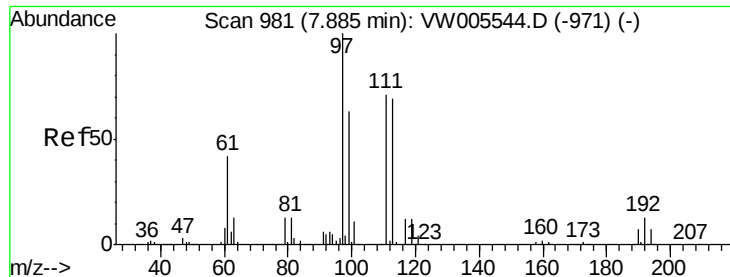
Tgt Ion: 65 Resp: 132512
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 114 Resp: 344942
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.3 0.0 33.0

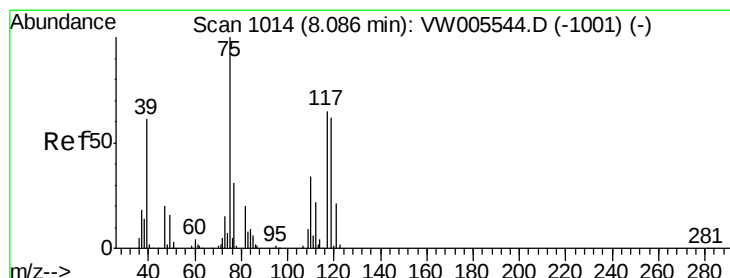
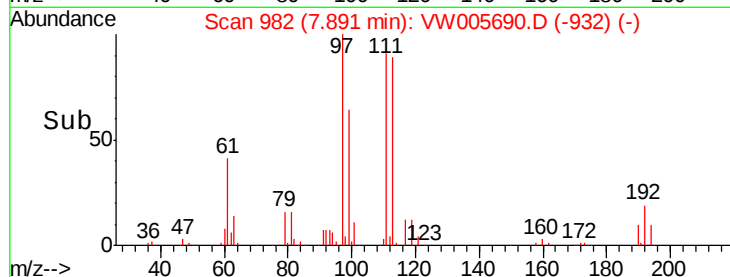
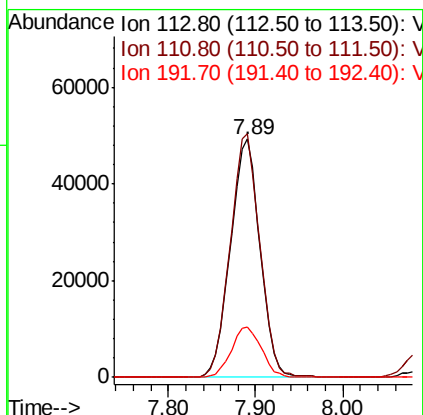
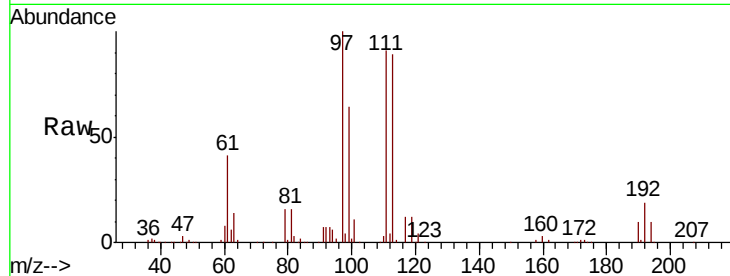




#35
 Dibromofluoromethane
 Concen: 53.367 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

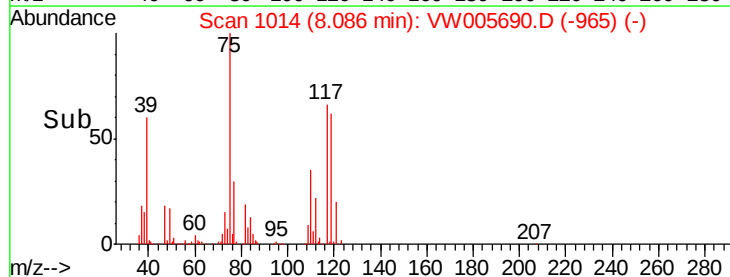
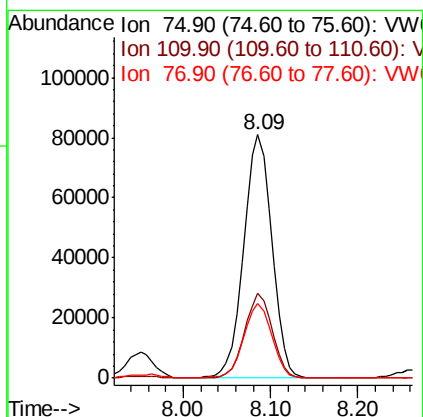
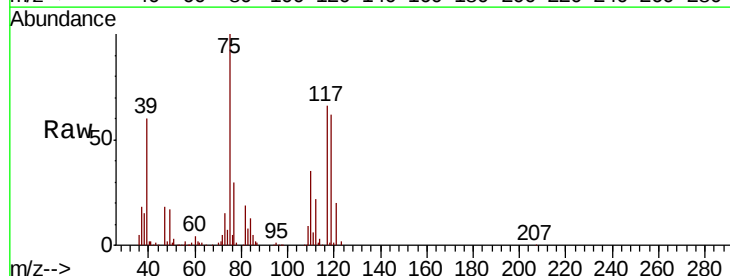
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

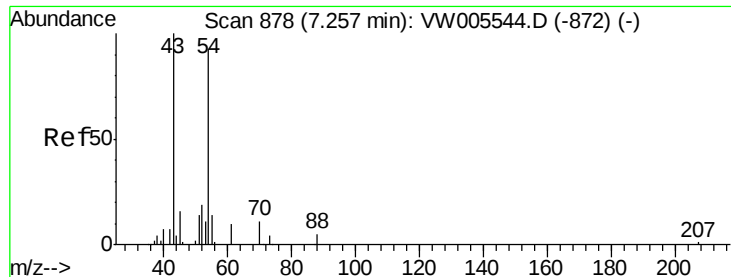
Tgt Ion:113 Resp: 115765
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.6 123.8
 192 21.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 52.367 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 75 Resp: 181838
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.0 50.9
 77 30.8 24.8 37.2

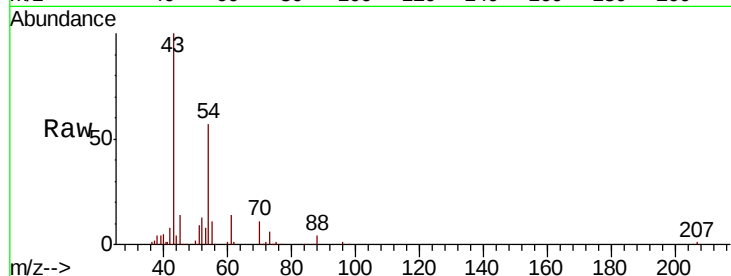




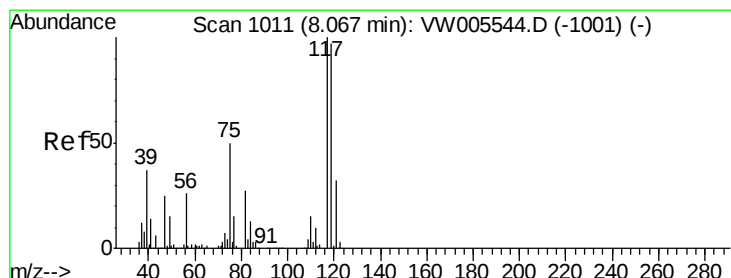
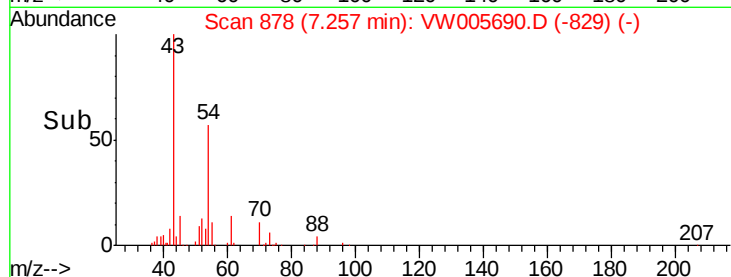
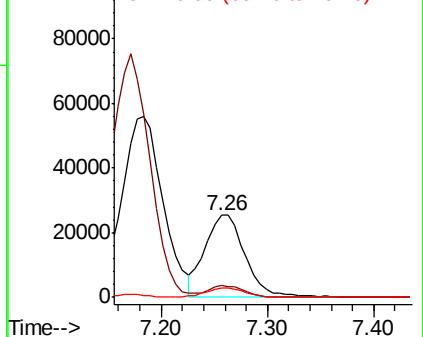
#37
 Ethyl Acetate
 Concen: 45.203 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 66054
 Ion Ratio Lower Upper
 43 100
 61 13.3 10.4 15.6
 70 10.9 8.2 12.2

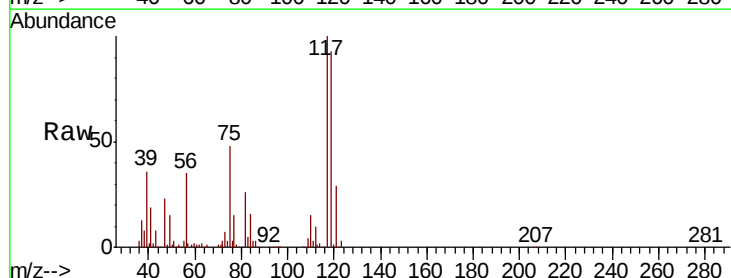


Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

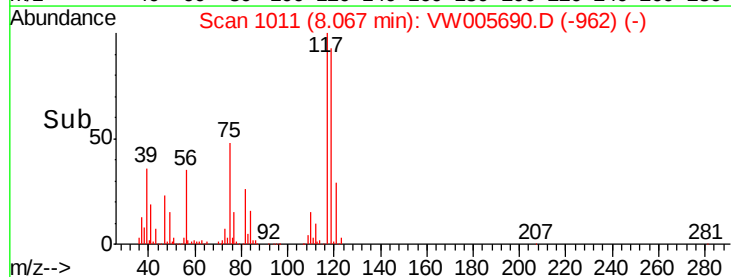
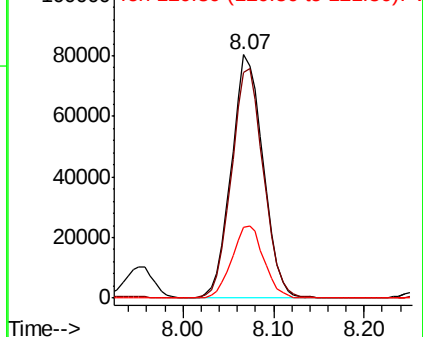


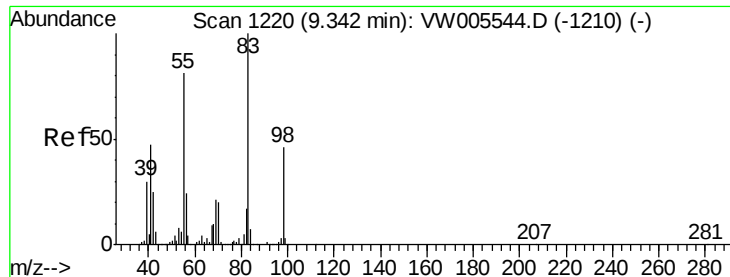
#38
 Carbon Tetrachloride
 Concen: 52.465 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 117 Resp: 195220
 Ion Ratio Lower Upper
 117 100
 119 92.9 77.6 116.4
 121 29.1 25.7 38.5



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

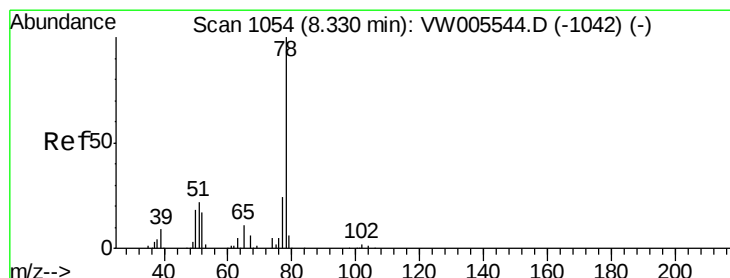
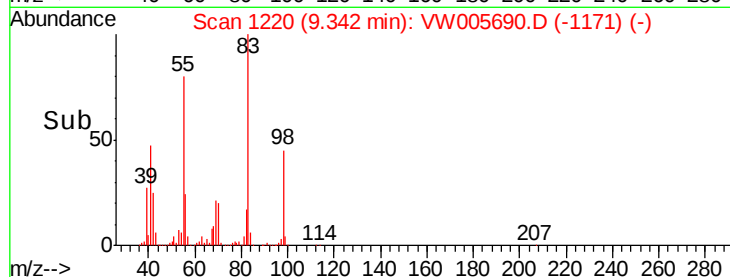
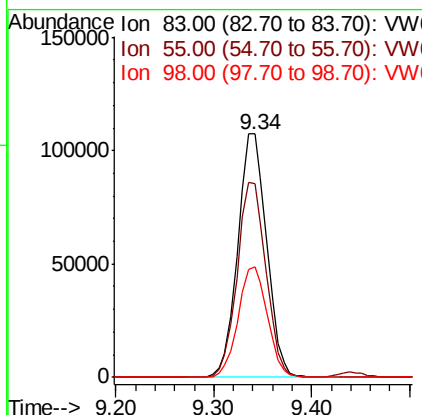
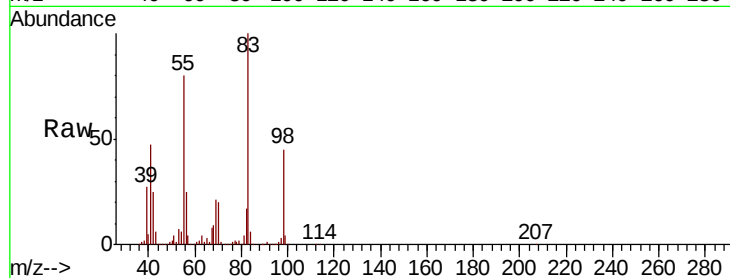




#39
Methylcyclohexane
Concen: 53.699 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

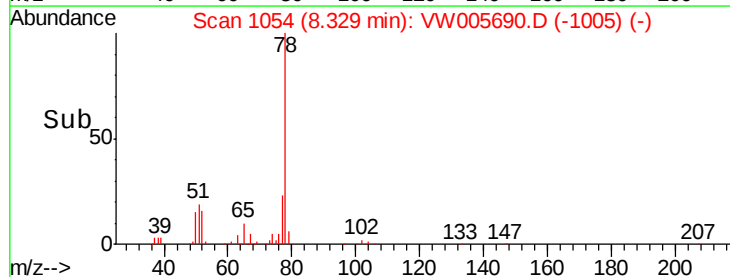
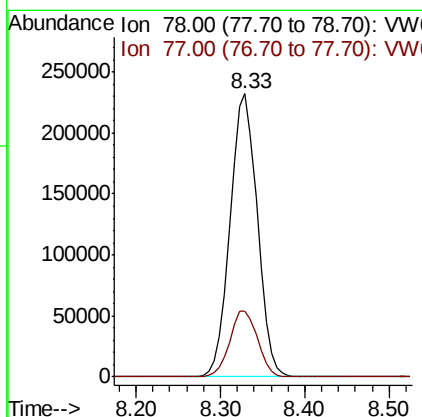
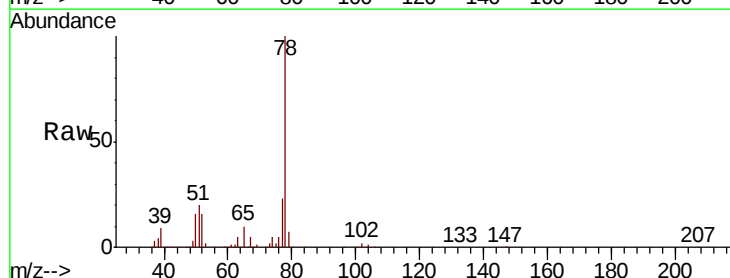
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

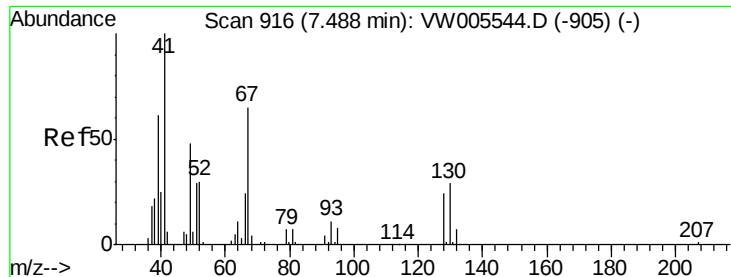
Tgt Ion: 83 Resp: 219993
Ion Ratio Lower Upper
83 100
55 79.6 64.6 97.0
98 45.2 37.0 55.6



#40
Benzene
Concen: 51.525 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion: 78 Resp: 506933
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

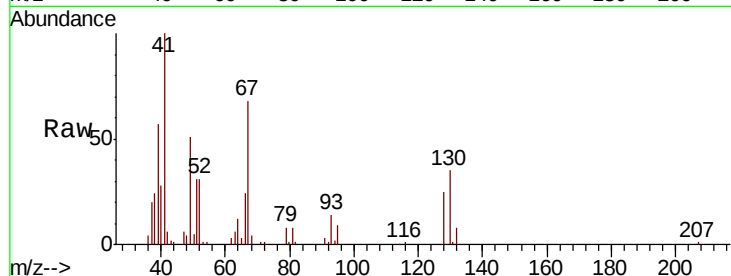




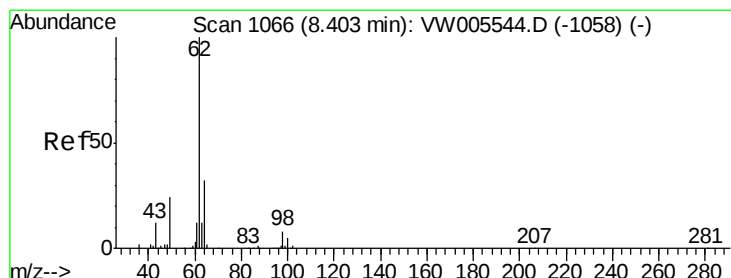
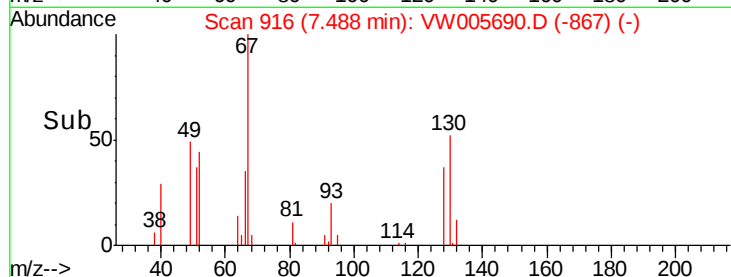
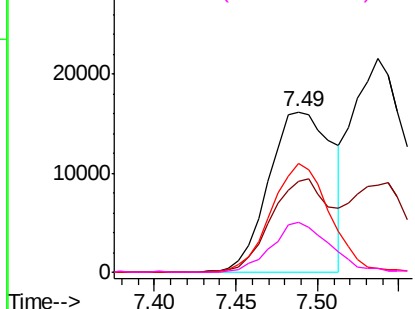
#41
Methacrylonitrile
Concen: 52.832 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	43932
Ion	Ratio	Lower	Upper
41	100		
39	54.2	45.4	68.2
67	62.5	55.2	82.8
52	28.7	25.3	37.9

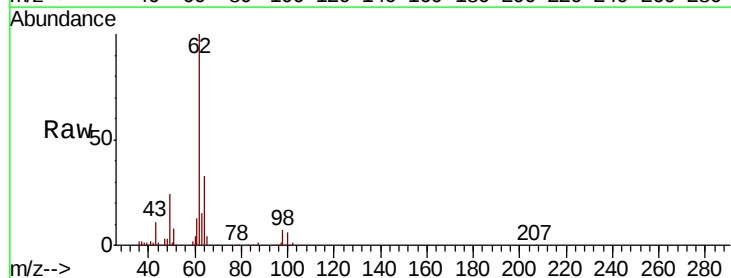


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

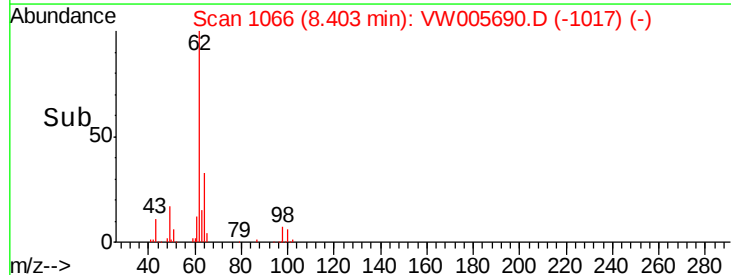
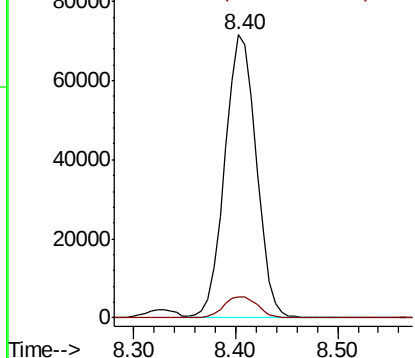


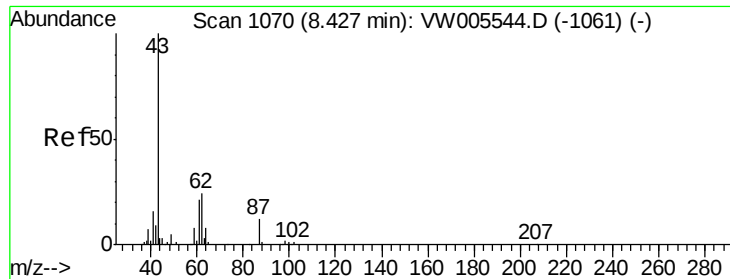
#42
1,2-Dichloroethane
Concen: 48.489 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion:	62	Resp:	152737
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 45.647 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

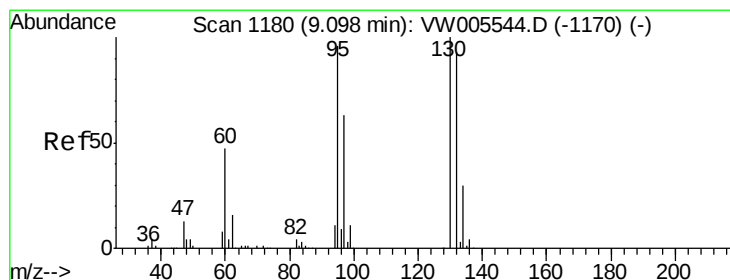
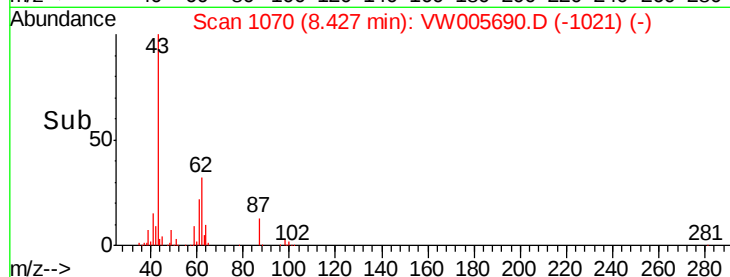
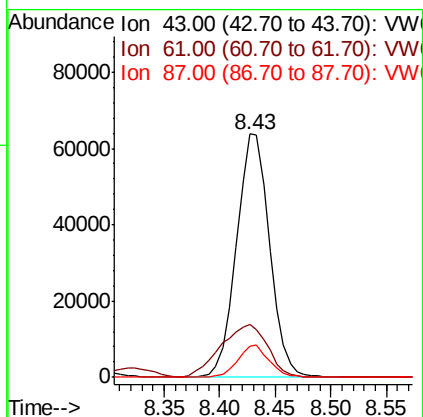
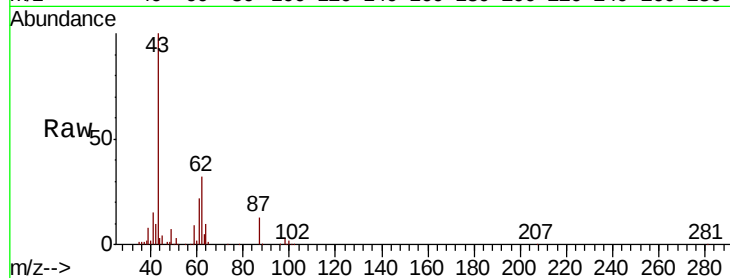
Tgt Ion: 43 Resp: 131144

Ion Ratio Lower Upper

43 100

61 30.4 24.1 36.1

87 12.6 9.8 14.8



#44

Trichloroethene

Concen: 52.017 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005690.D

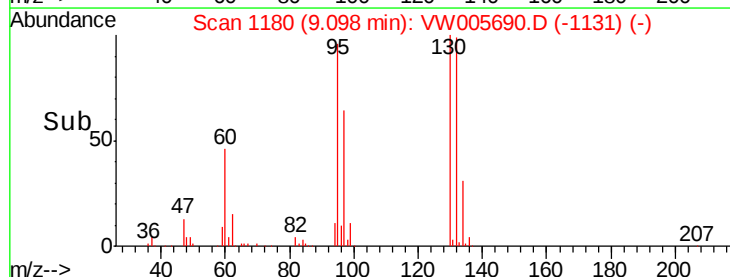
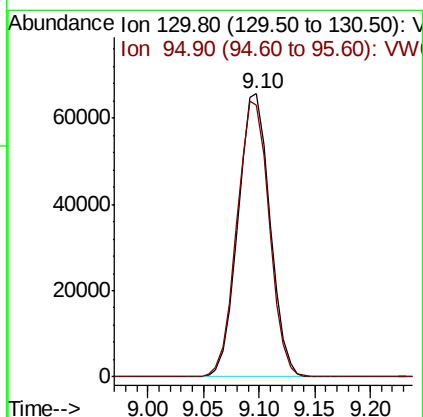
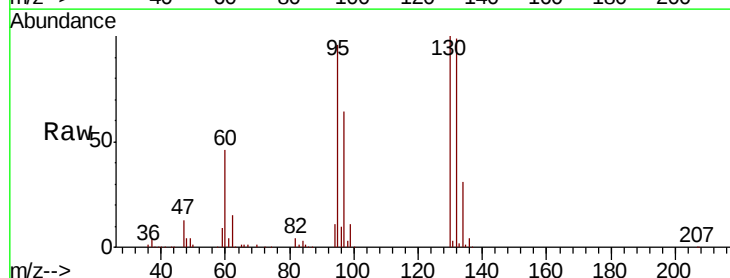
Acq: 27 Sep 2018 10:34

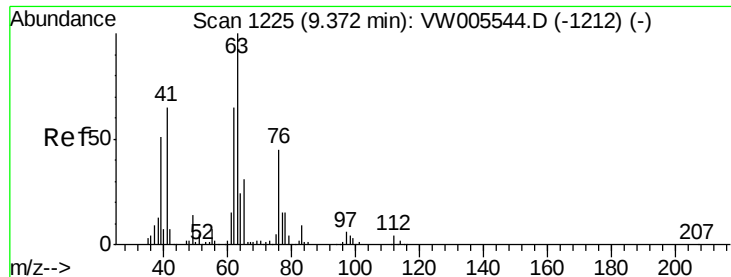
Tgt Ion: 130 Resp: 130996

Ion Ratio Lower Upper

130 100

95 96.1 0.0 191.2

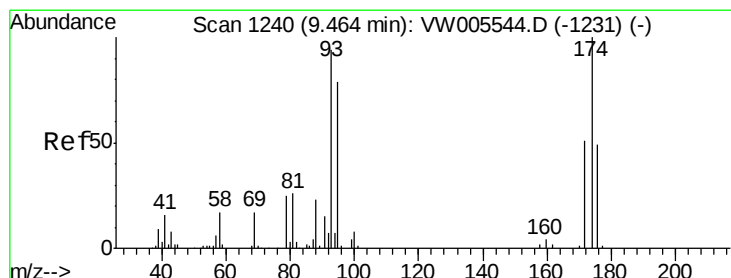
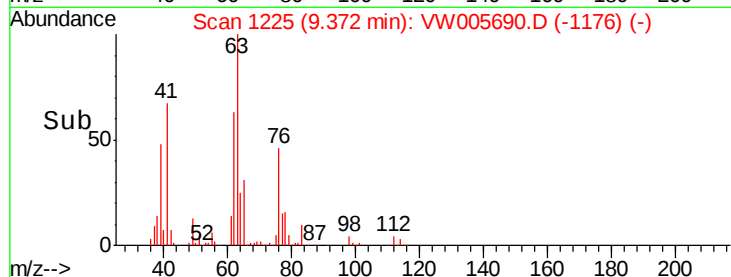
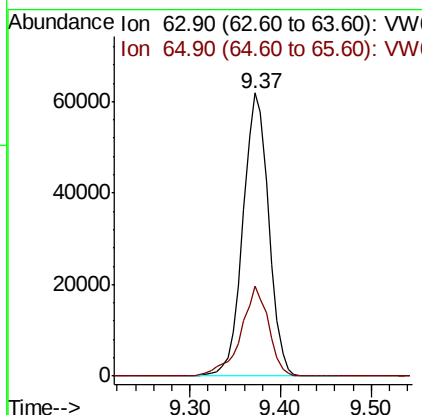
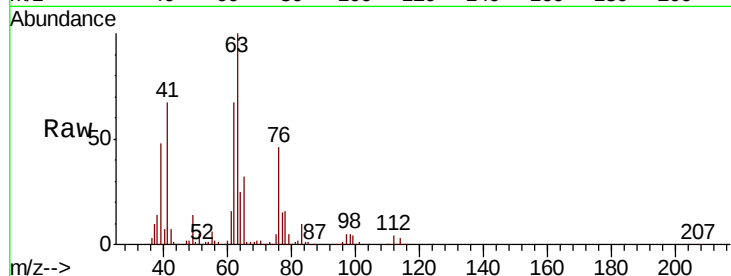




#45
 1,2-Dichloropropane
 Concen: 50.345 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

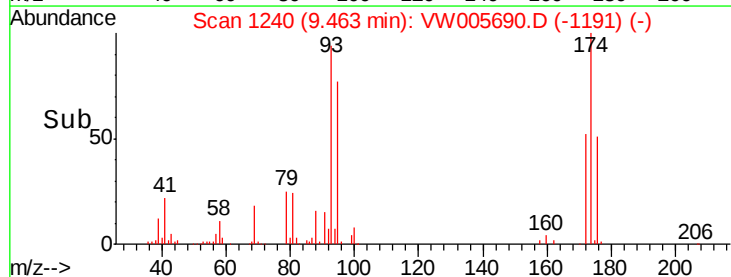
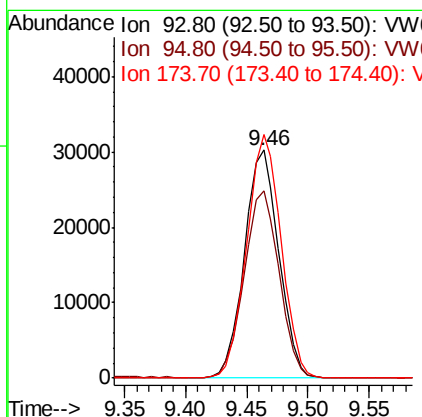
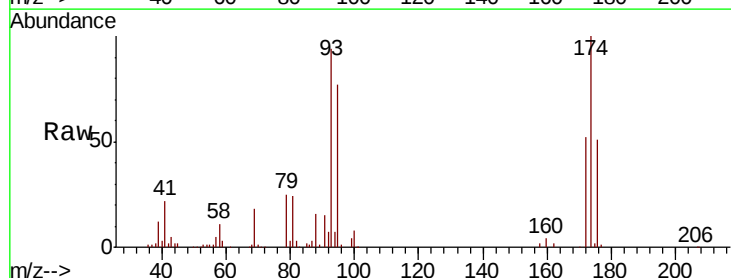
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

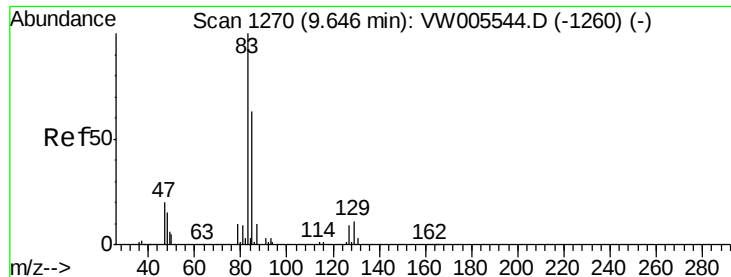
Tgt Ion: 63 Resp: 121859
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1



#46
 Dibromomethane
 Concen: 48.863 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 93 Resp: 59095
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.8 98.8
 174 107.4 84.0 126.0





#47

Bromodichloromethane

Concen: 50.497 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

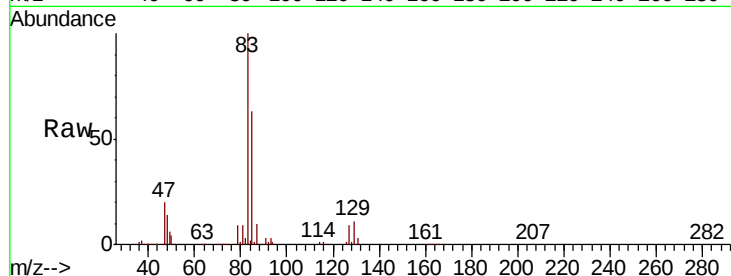
Tgt Ion: 83 Resp: 164053

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

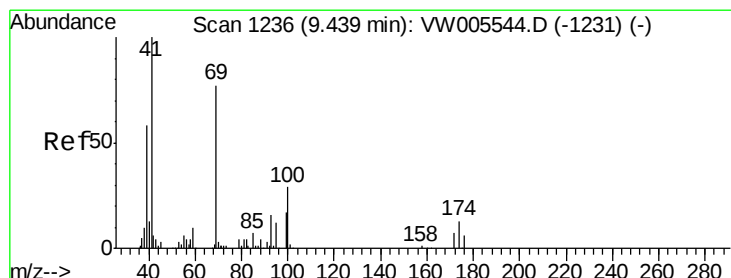
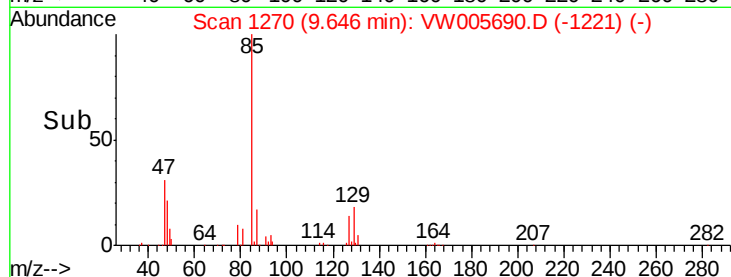
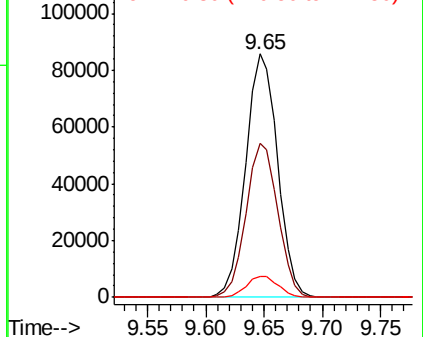
127 8.6 7.0 10.6



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: 48.329 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

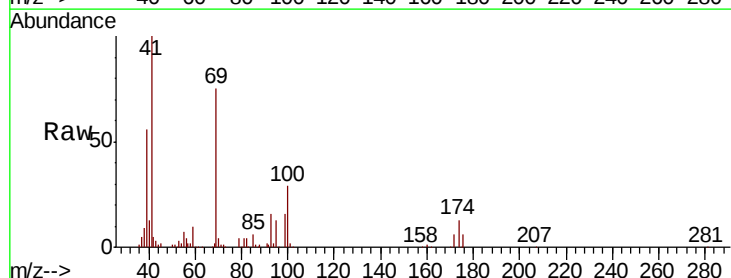
Tgt Ion: 41 Resp: 65949

Ion Ratio Lower Upper

41 100

69 83.8 64.7 97.1

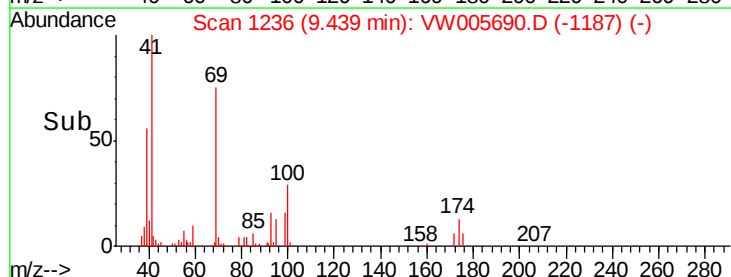
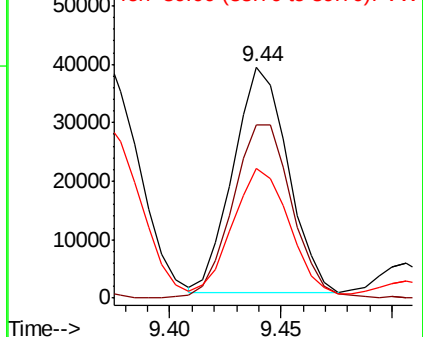
39 57.1 50.5 75.7

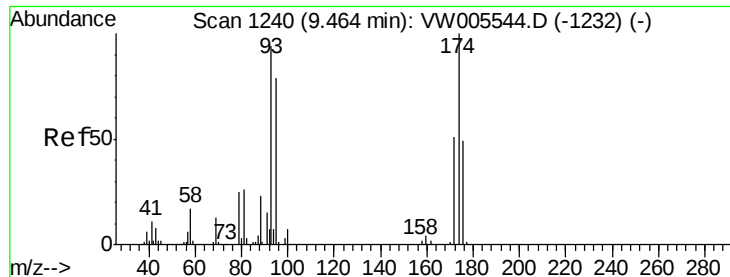


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

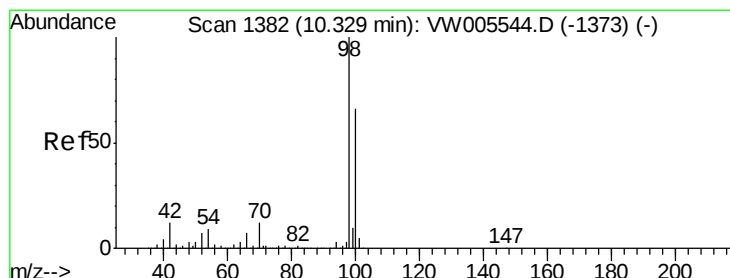
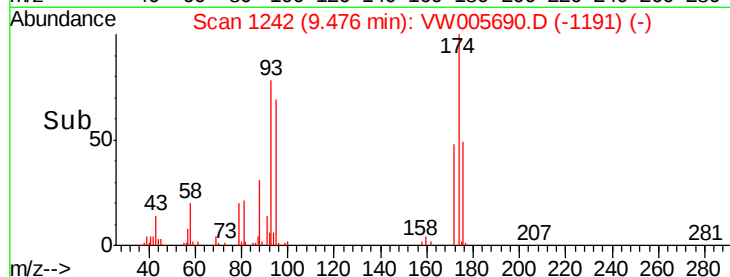
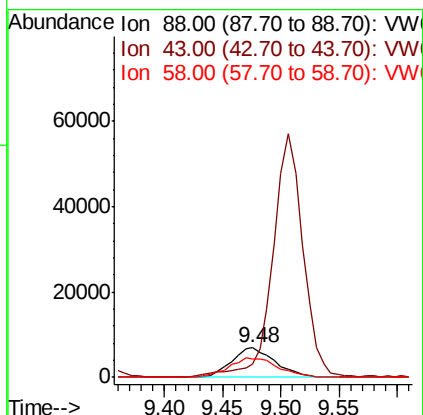
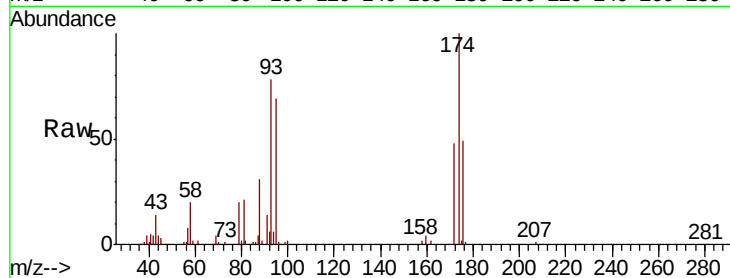




#49
 1,4-Dioxane
 Concen: 927.357 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

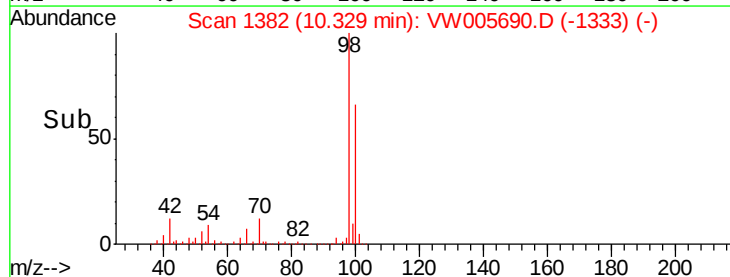
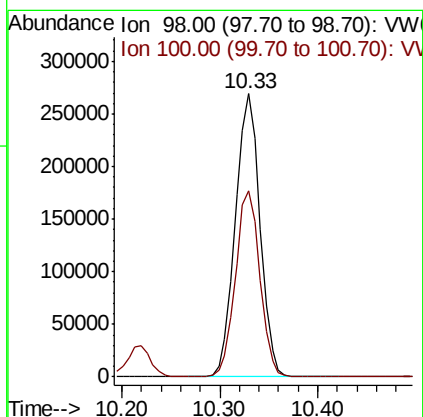
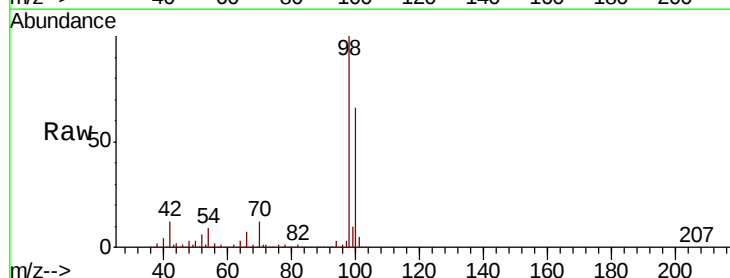
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

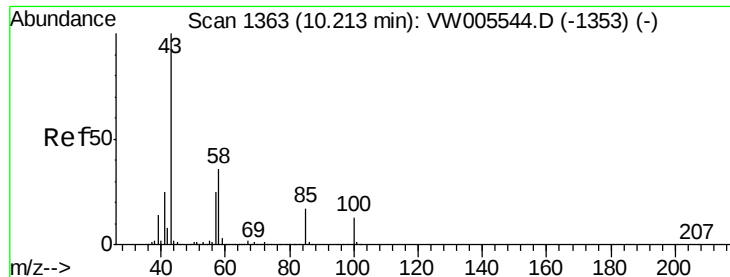
Tgt Ion: 88 Resp: 17831
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 76.5 61.2 91.8



#50
 Toluene-d8
 Concen: 53.242 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 98 Resp: 470263
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.6 77.4

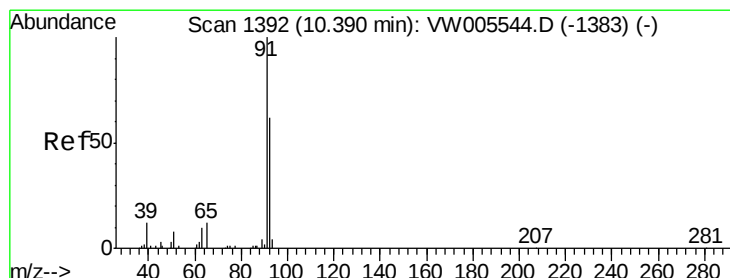
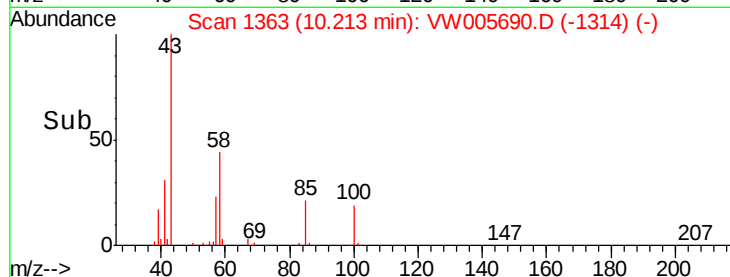
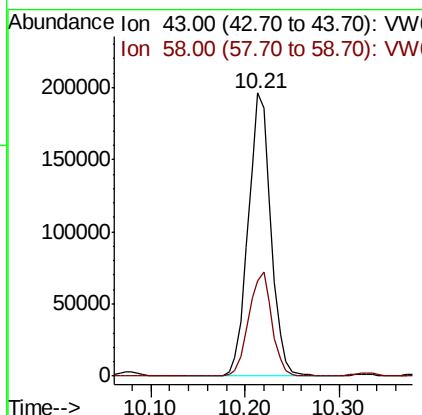
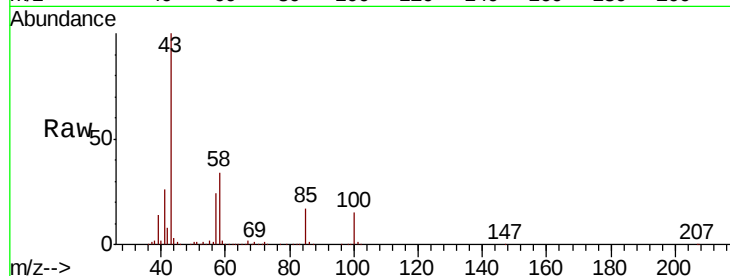




#51
 4-Methyl-2-Pentanone
 Concen: 228.842 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

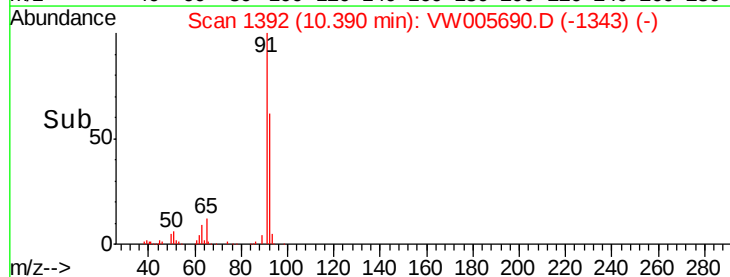
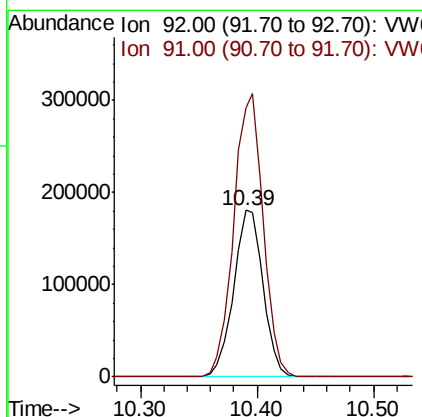
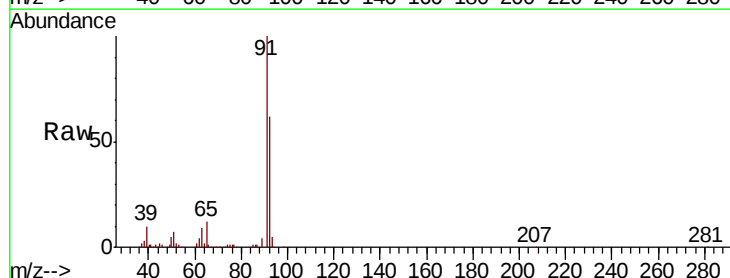
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

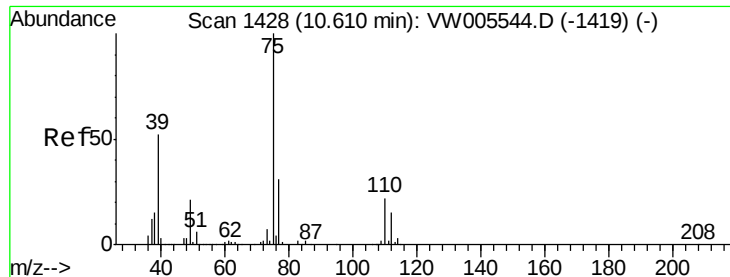
Tgt Ion: 43 Resp: 331139
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.0 45.0



#52
 Toluene
 Concen: 51.691 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion: 92 Resp: 317323
 Ion Ratio Lower Upper
 92 100
 91 170.1 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 51.030 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

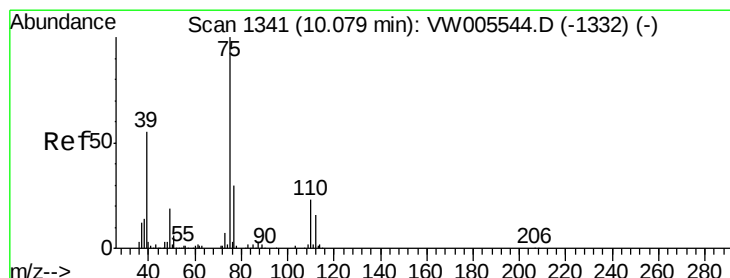
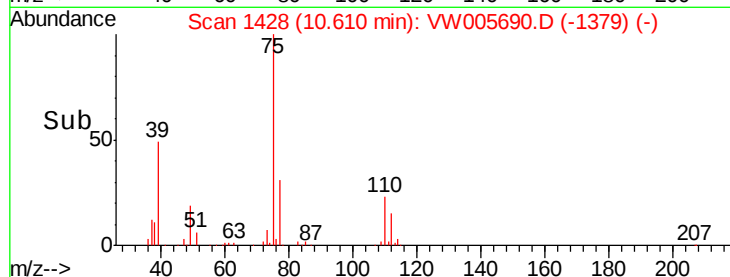
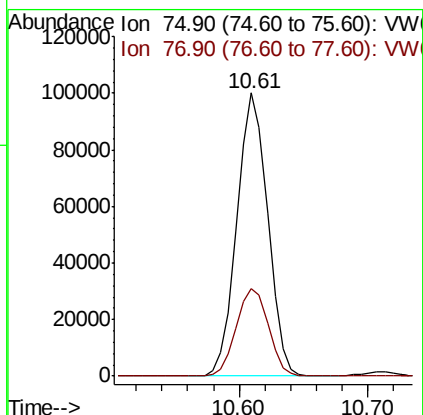
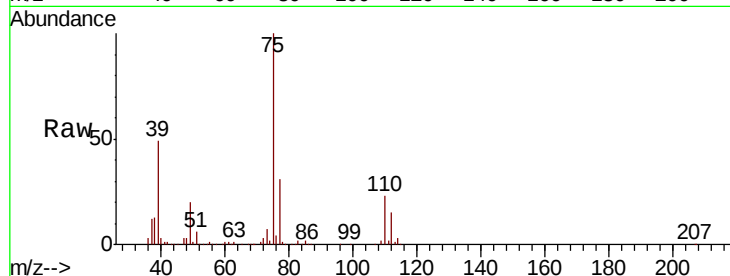
VSTDCCC050

Tgt Ion: 75 Resp: 166195

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 52.534 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

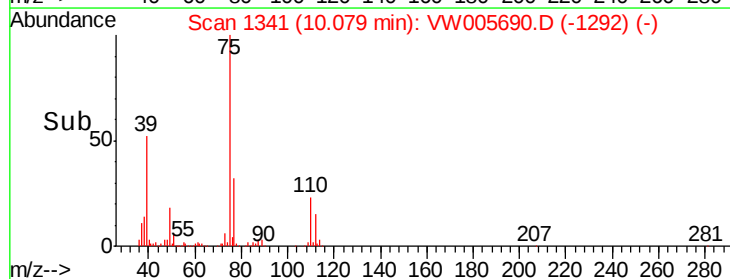
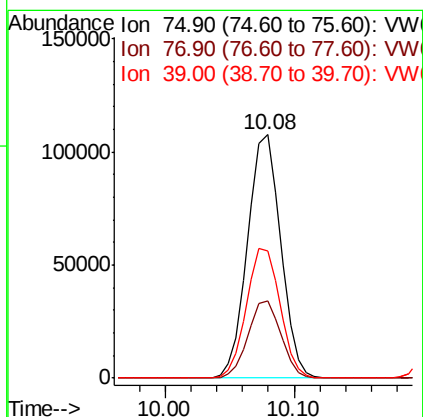
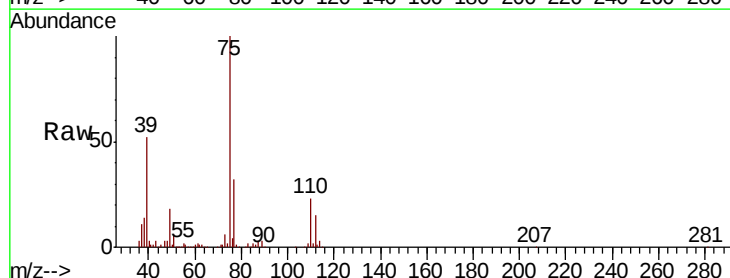
Tgt Ion: 75 Resp: 191700

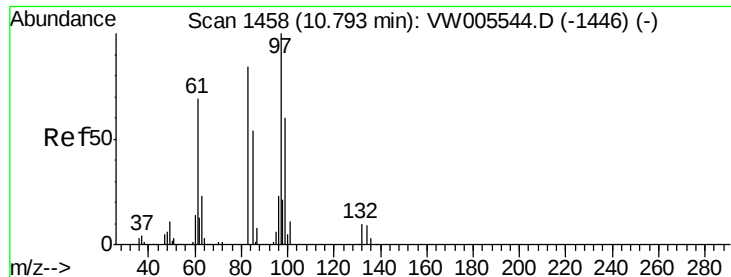
Ion Ratio Lower Upper

75 100

77 31.5 24.3 36.5

39 52.4 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 50.260 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 86281

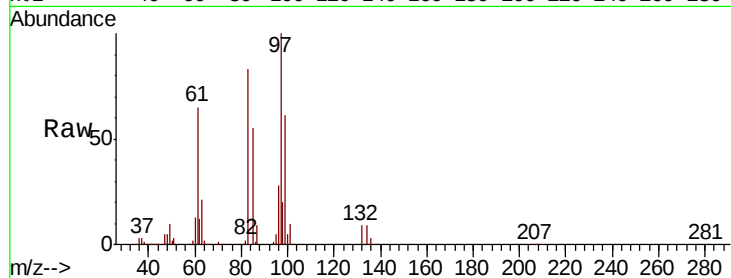
Ion Ratio Lower Upper

97 100

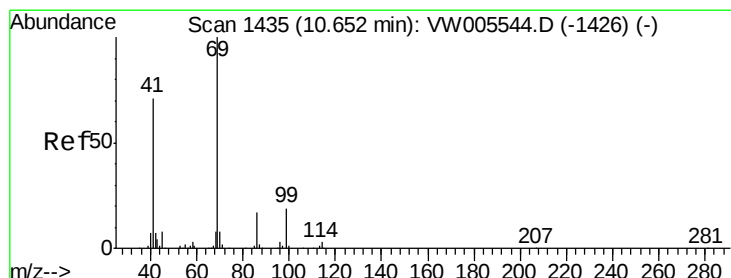
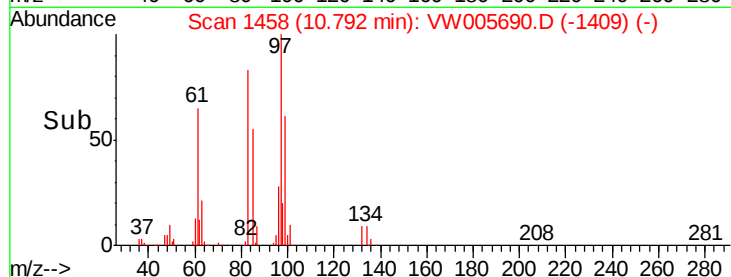
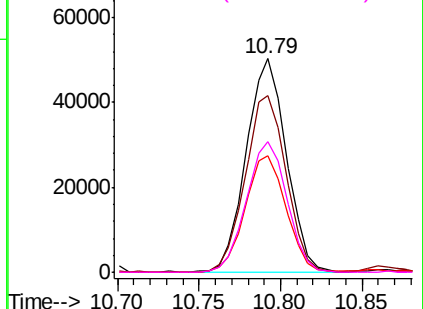
83 83.0 67.4 101.2

85 54.8 43.3 64.9

99 61.1 48.0 72.0



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



#56

Ethyl methacrylate

Concen: 51.040 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

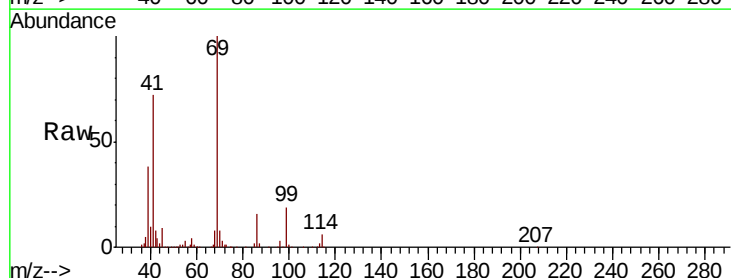
Tgt Ion: 69 Resp: 108163

Ion Ratio Lower Upper

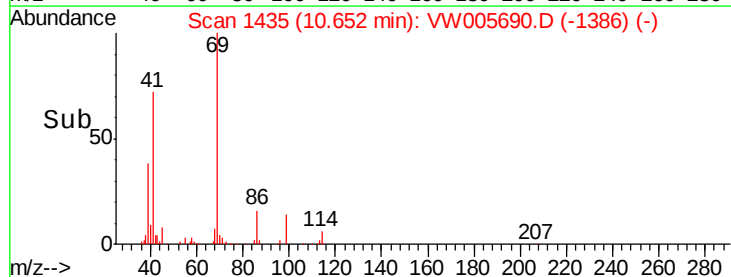
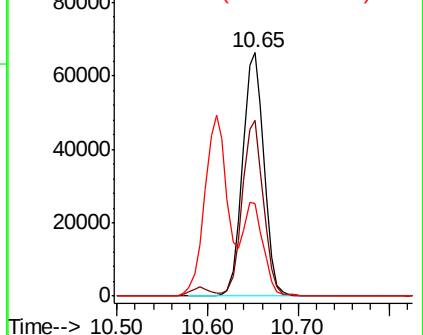
69 100

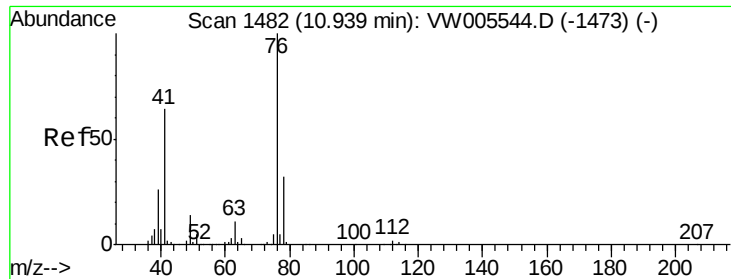
41 71.2 57.3 85.9

39 34.8 29.2 43.8



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





#57

1,3-Dichloropropane

Concen: 49.309 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

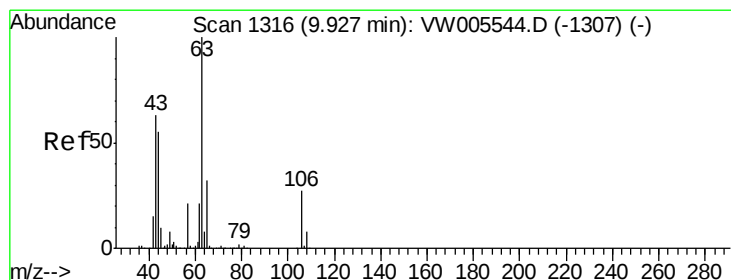
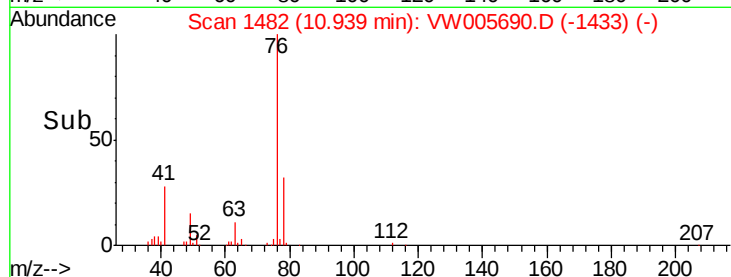
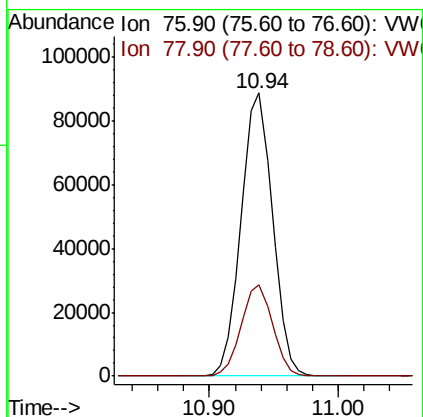
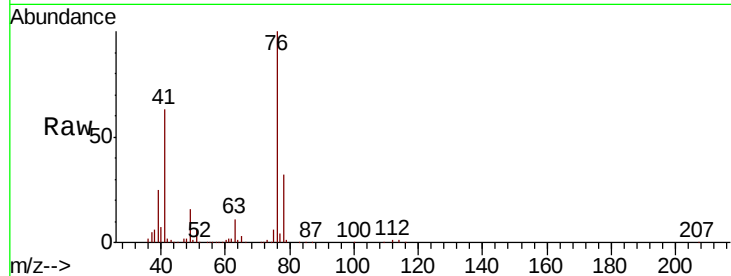
VSTDCCC050

Tgt Ion: 76 Resp: 150024

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 255.235 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005690.D

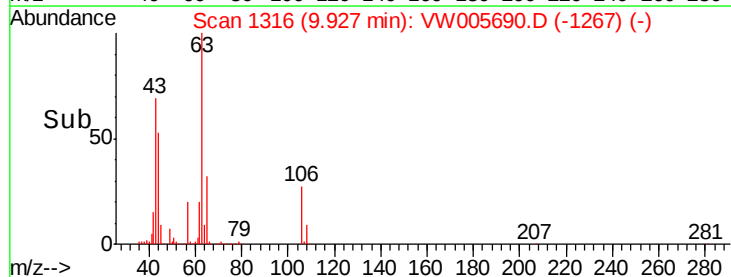
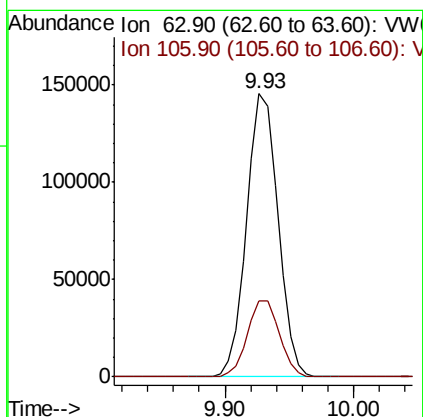
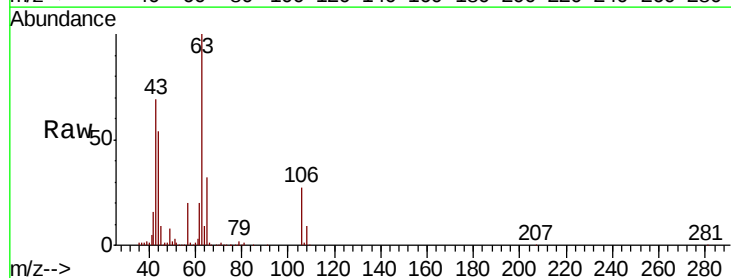
Acq: 27 Sep 2018 10:34

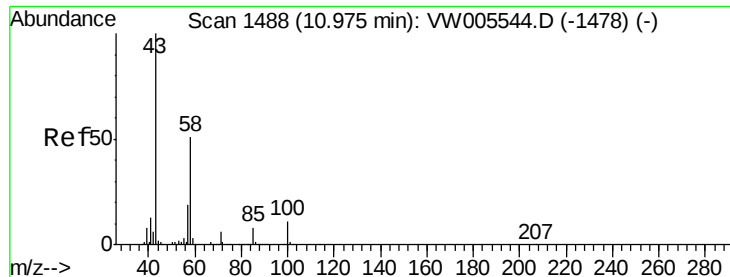
Tgt Ion: 63 Resp: 245189

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4

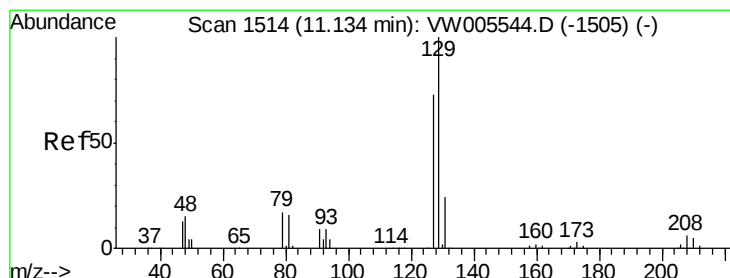
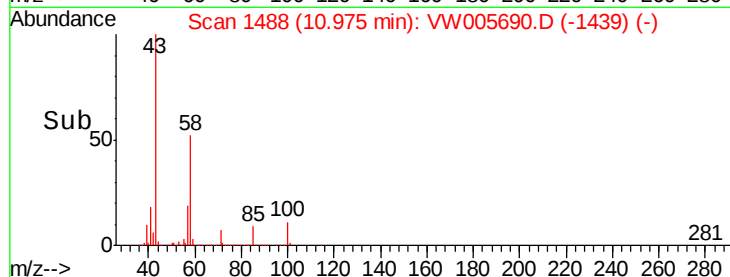
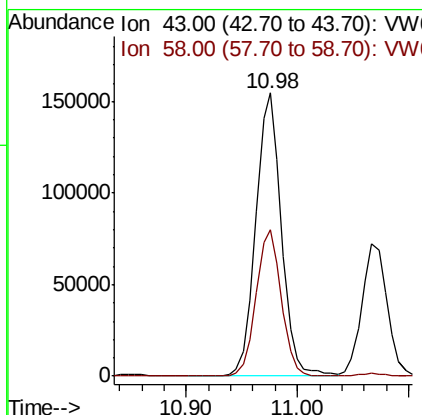
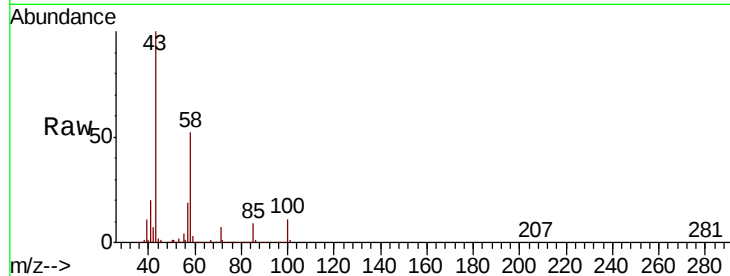




#59
2-Hexanone
Concen: 251.924 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

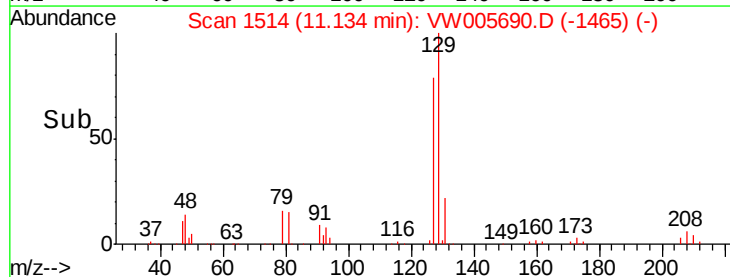
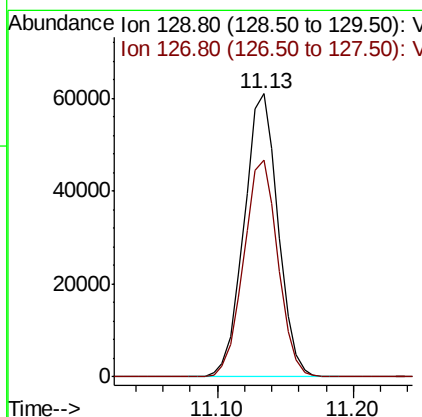
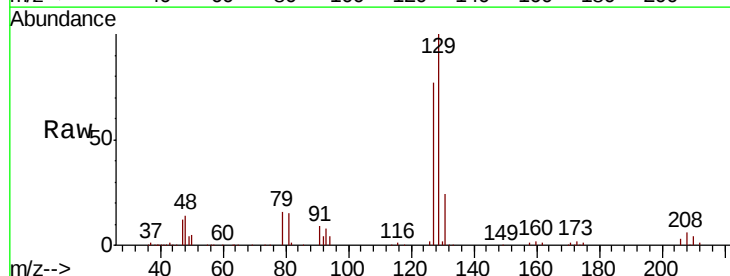
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

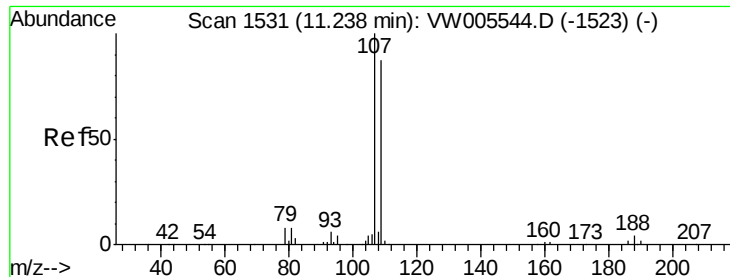
Tgt Ion: 43 Resp: 247641
Ion Ratio Lower Upper
43 100
58 50.9 25.3 75.9



#60
Dibromochloromethane
Concen: 51.513 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion: 129 Resp: 106850
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.770 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

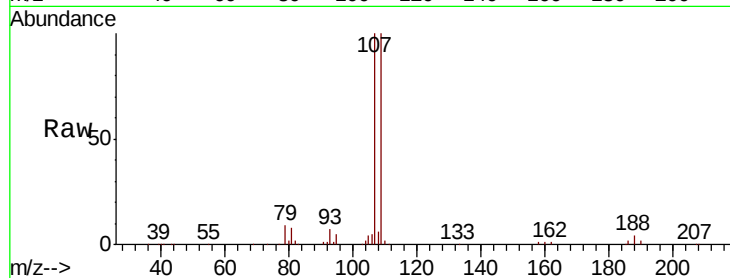
VSTDCCC050

Tgt Ion: 107 Resp: 79661

Ion Ratio Lower Upper

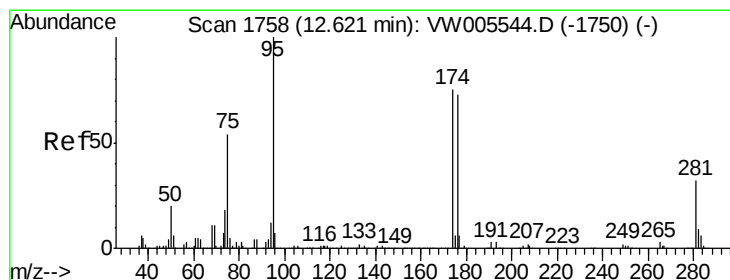
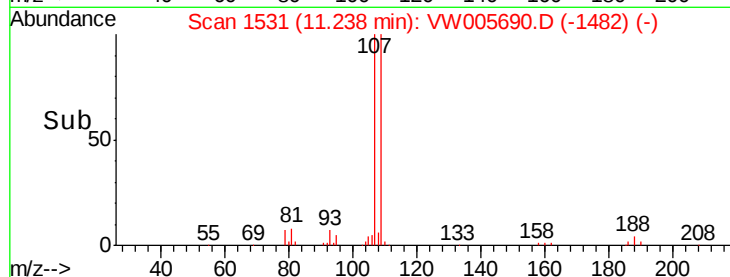
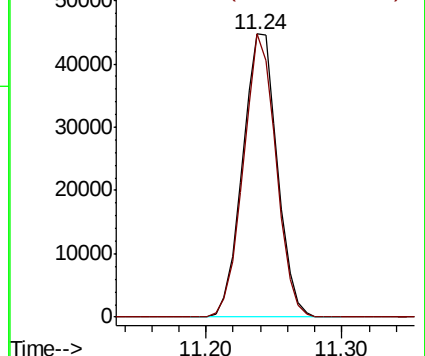
107 100

109 94.1 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.426 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

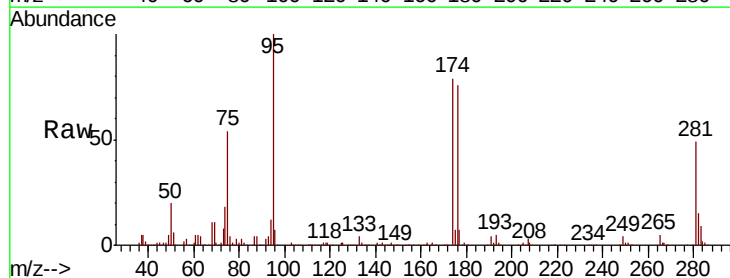
Tgt Ion: 95 Resp: 174611

Ion Ratio Lower Upper

95 100

174 82.6 0.0 163.8

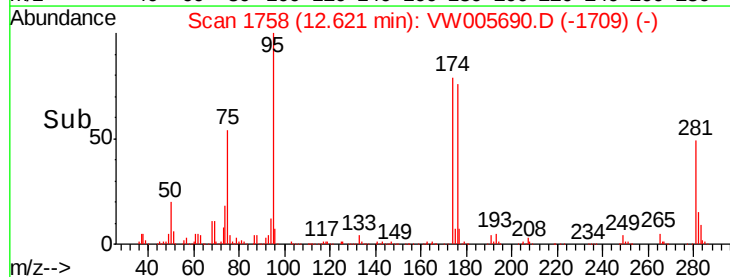
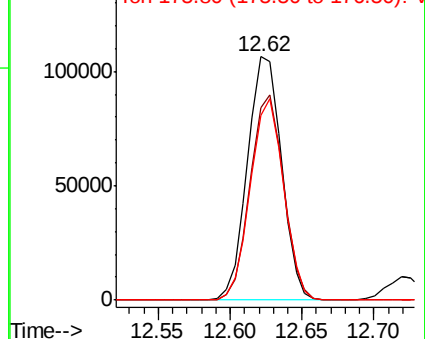
176 80.8 0.0 158.0

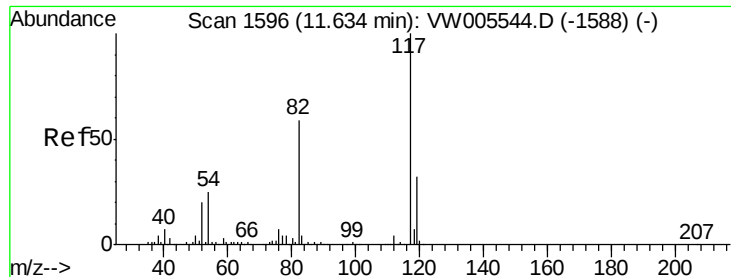


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

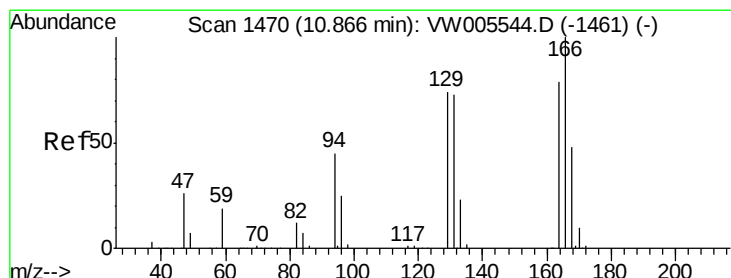
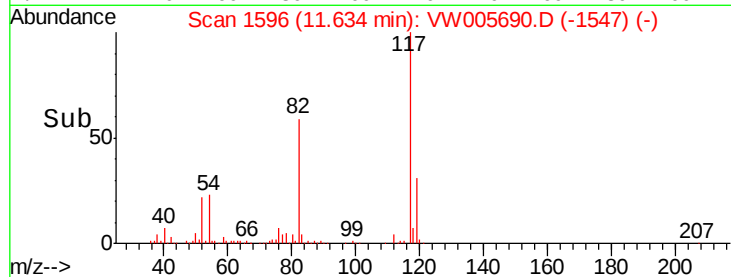
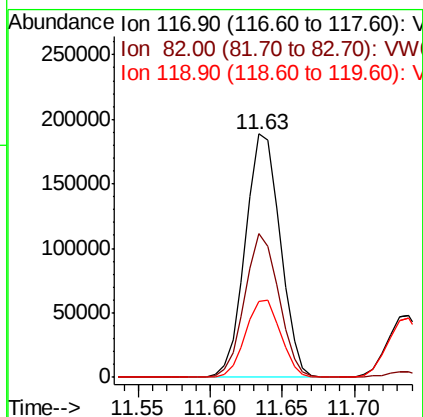
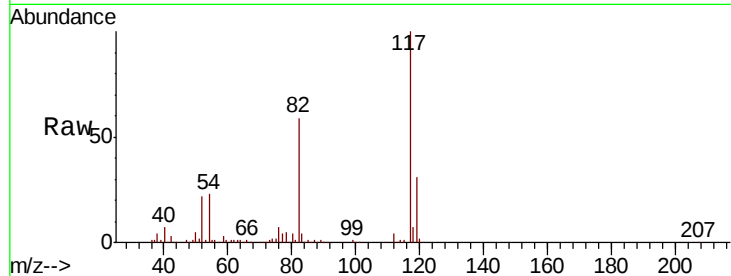




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

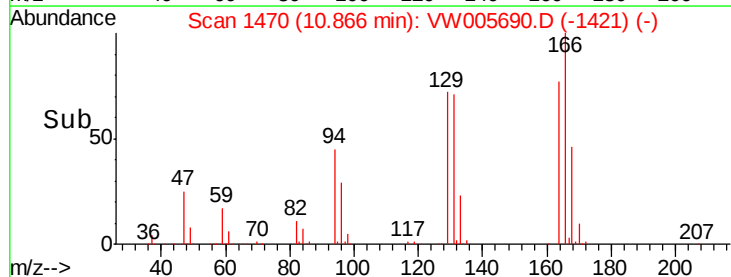
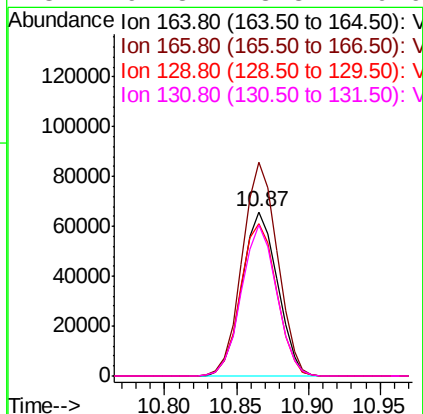
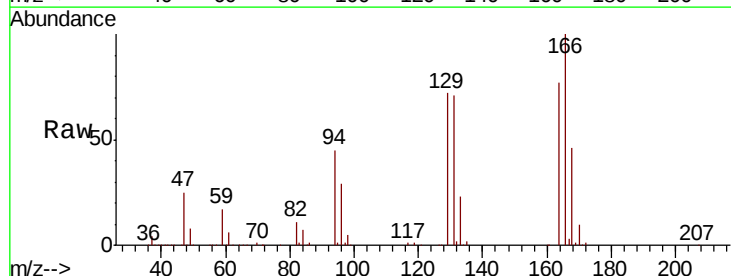
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

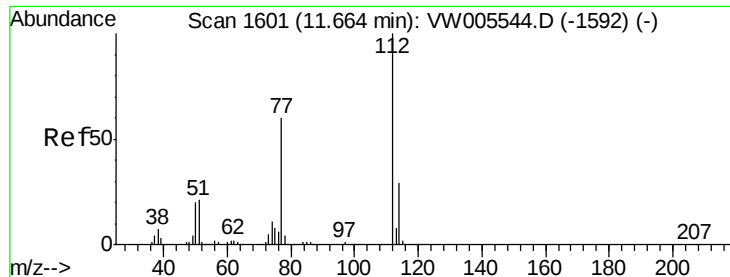
Tgt Ion:117 Resp: 317288
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 31.4 25.7 38.5



#64
Tetrachloroethene
Concen: 50.059 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion:164 Resp: 112728
Ion Ratio Lower Upper
164 100
166 130.2 101.1 151.7
129 93.2 74.4 111.6
131 91.8 73.8 110.6

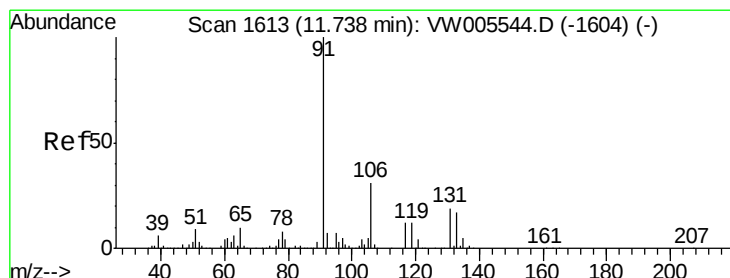
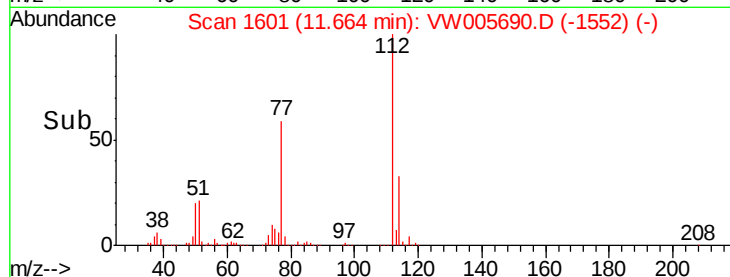
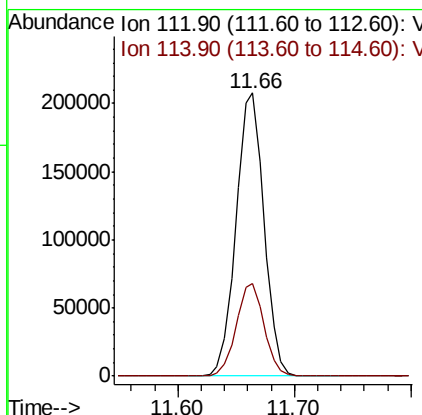
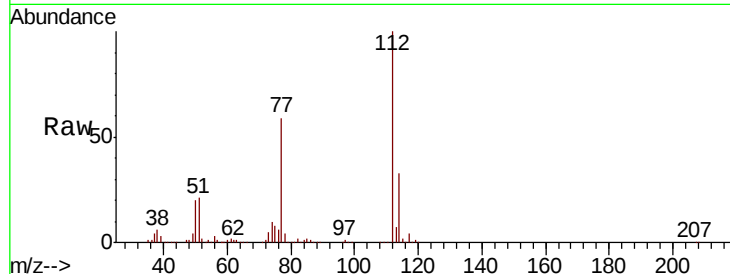




#65
Chlorobenzene
Concen: 51.534 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

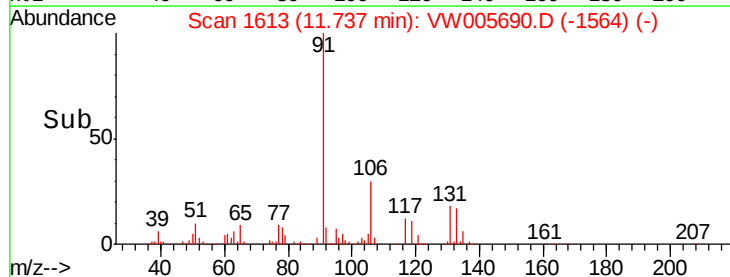
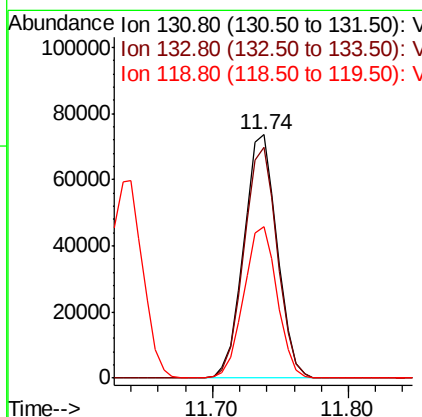
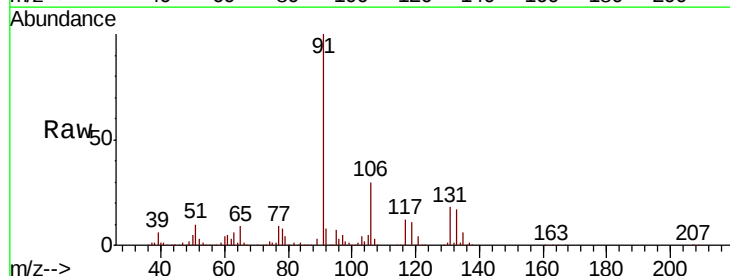
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

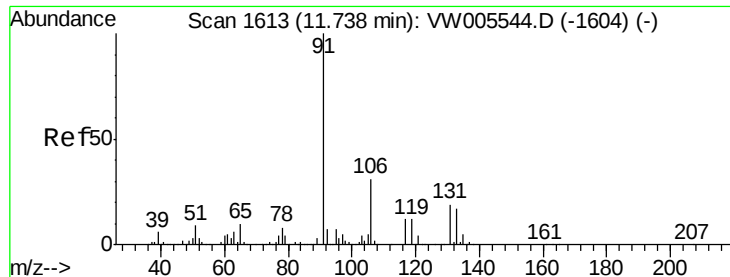
Tgt Ion:112 Resp: 347113
Ion Ratio Lower Upper
112 100
114 32.5 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.138 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion:131 Resp: 126394
Ion Ratio Lower Upper
131 100
133 94.6 47.2 141.6
119 62.2 31.1 93.2





#67

Ethyl Benzene

Concen: 53.574 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

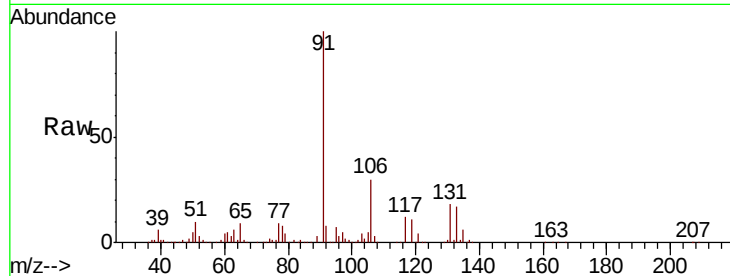
VSTDCCC050

Tgt Ion: 91 Resp: 640515

Ion Ratio Lower Upper

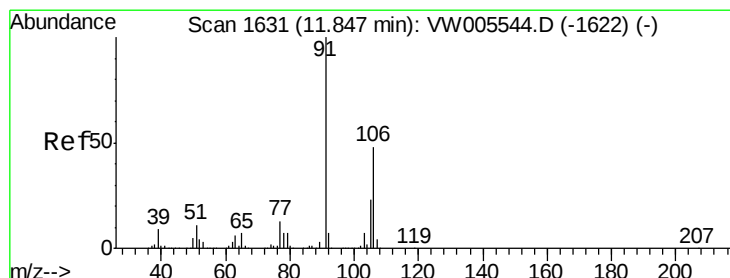
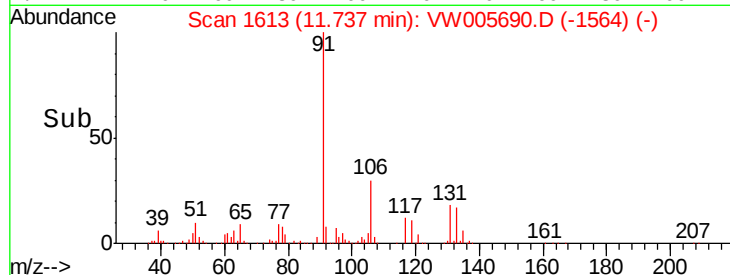
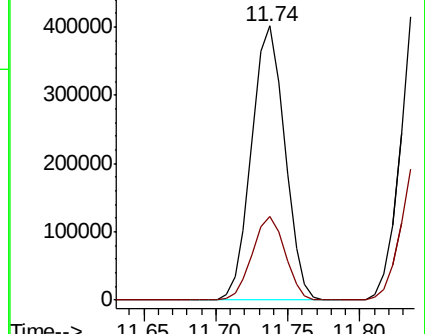
91 100

106 30.5 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.686 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW005690.D

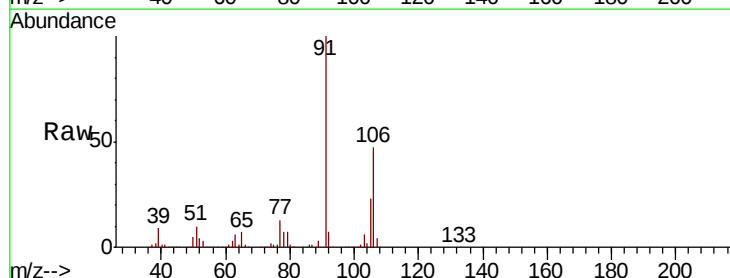
Acq: 27 Sep 2018 10:34

Tgt Ion: 106 Resp: 486412

Ion Ratio Lower Upper

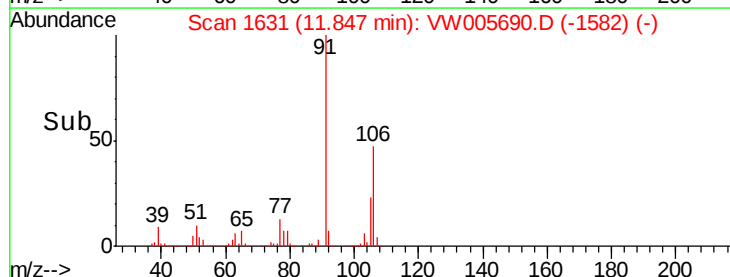
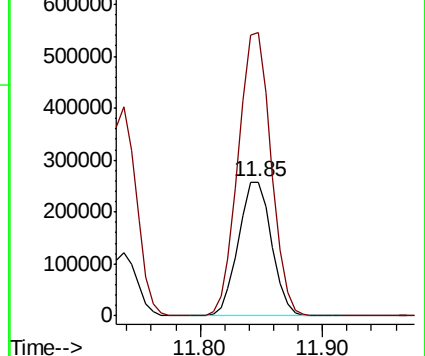
106 100

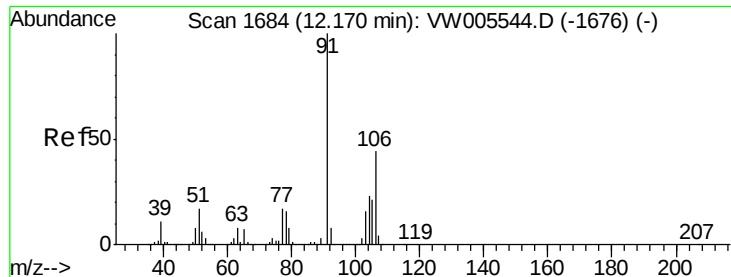
91 209.7 167.8 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

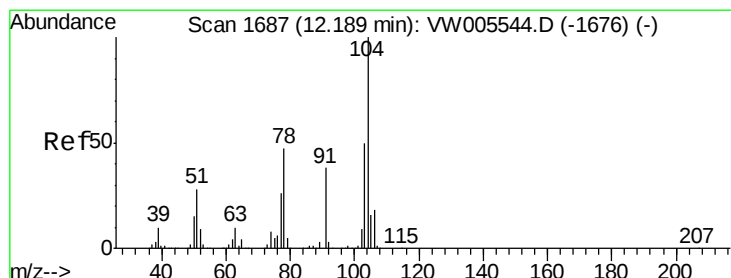
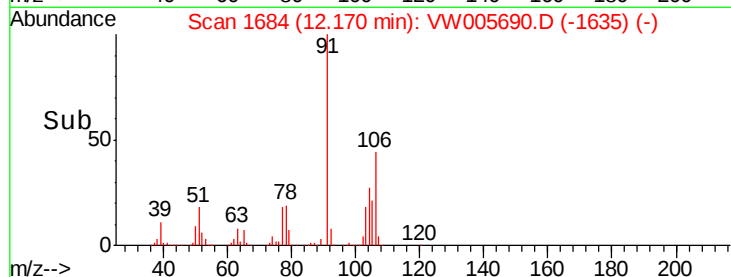
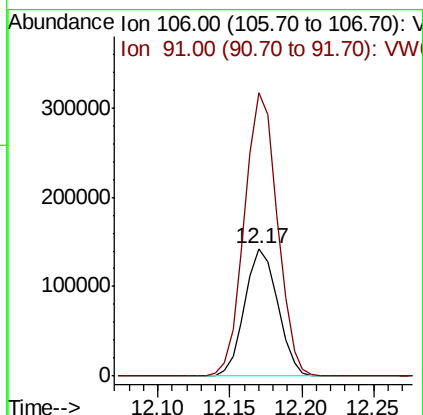
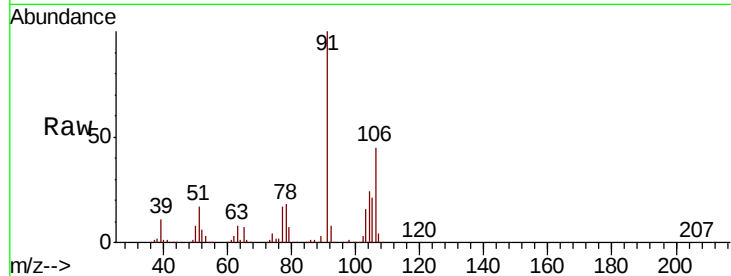




#69
o-Xylene
Concen: 53.392 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

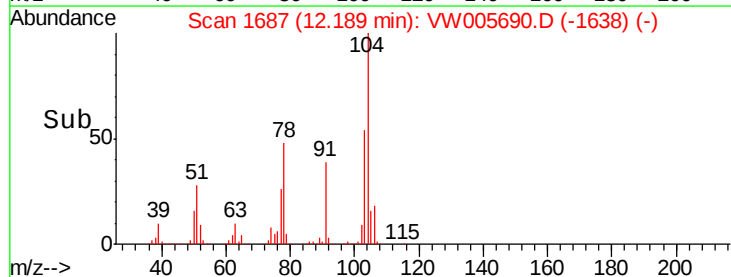
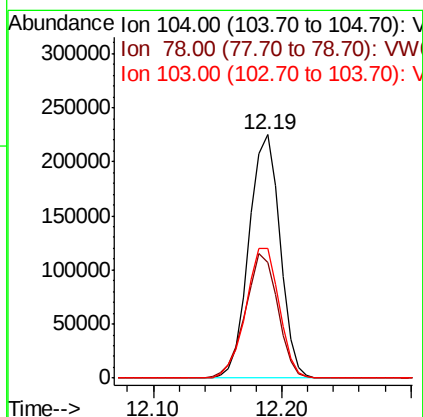
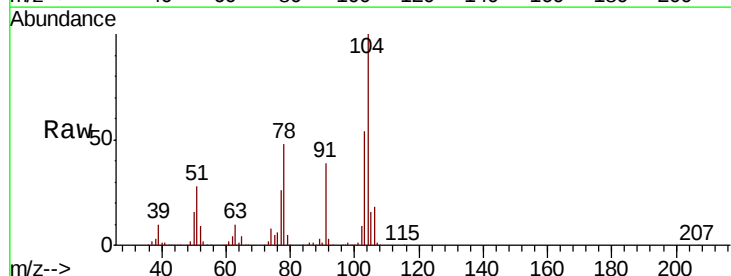
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

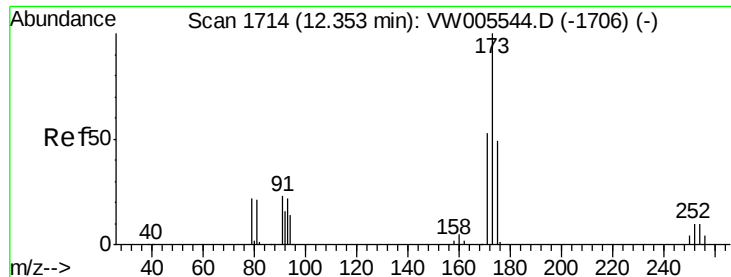
Tgt Ion:106 Resp: 225866
Ion Ratio Lower Upper
106 100
91 221.7 111.0 333.0



#70
Styrene
Concen: 52.551 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion:104 Resp: 374114
Ion Ratio Lower Upper
104 100
78 53.7 42.2 63.4
103 57.4 44.6 66.8





#71

Bromoform

Concen: 49.769 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

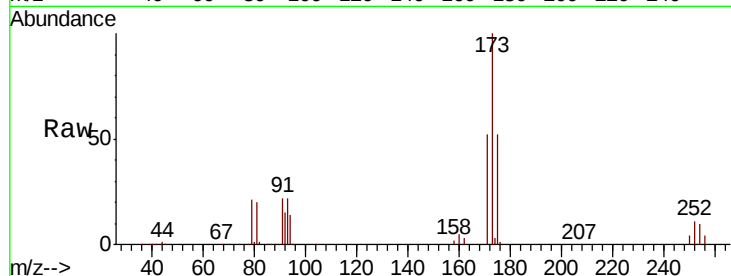
Tgt Ion:173 Resp: 64043

Ion Ratio Lower Upper

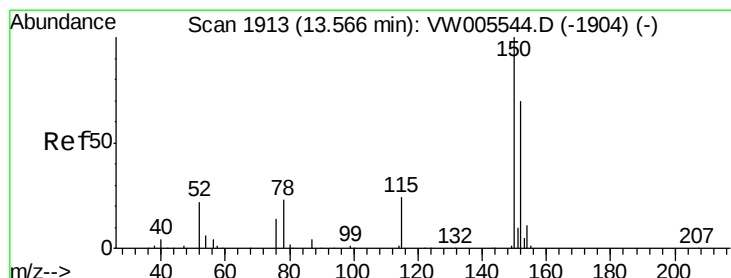
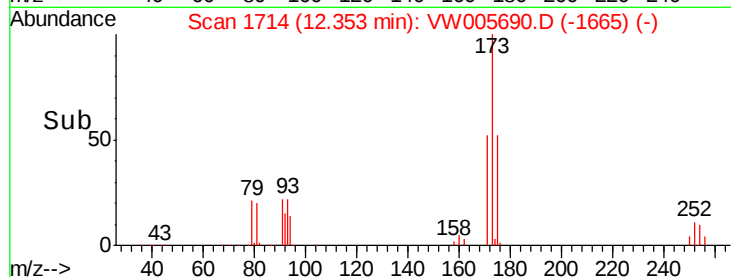
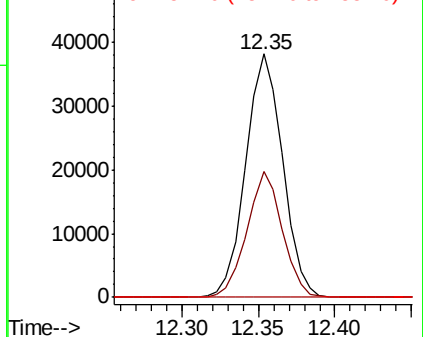
173 100

175 49.4 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

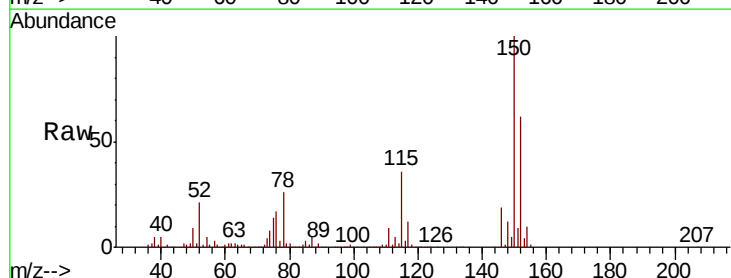
Tgt Ion:152 Resp: 169610

Ion Ratio Lower Upper

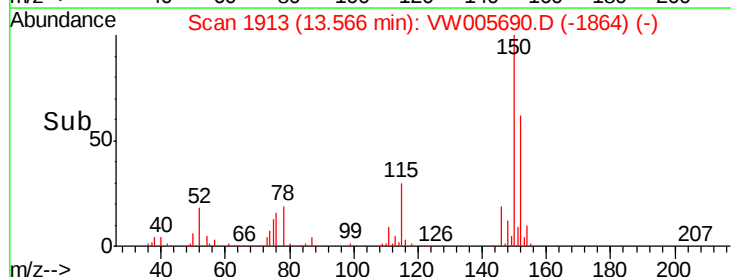
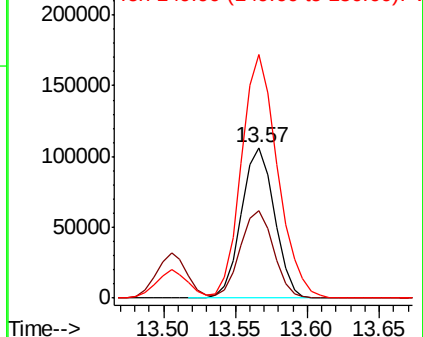
152 100

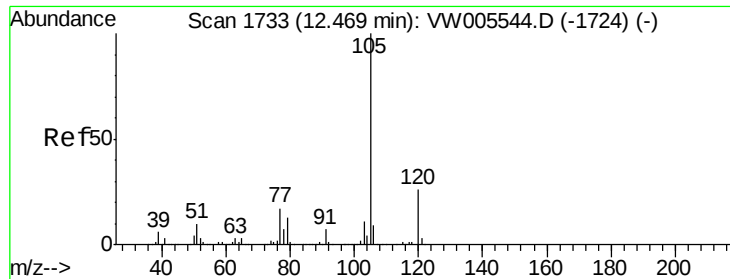
115 58.6 30.0 90.0

150 176.8 0.0 348.6



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





#73

Isopropylbenzene

Concen: 55.910 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

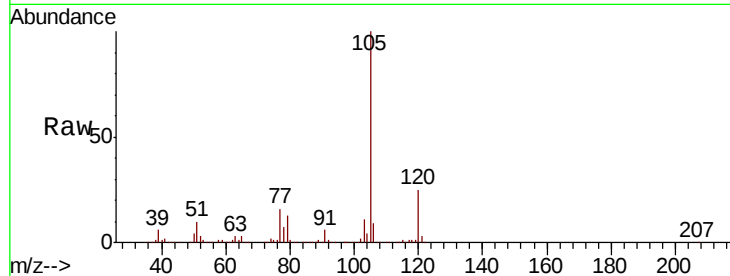
VSTDCCC050

Tgt Ion:105 Resp: 657617

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

300000

200000

100000

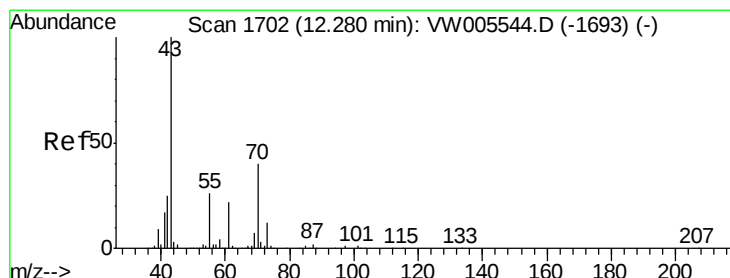
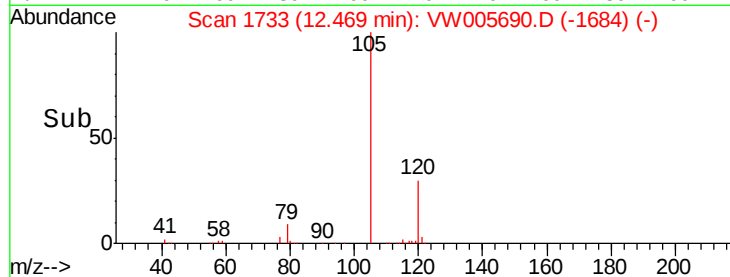
0

Time-->

12.40

12.50

12.60



#74

N-ethyl acetate

Concen: 48.449 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Tgt Ion: 43 Resp: 129037

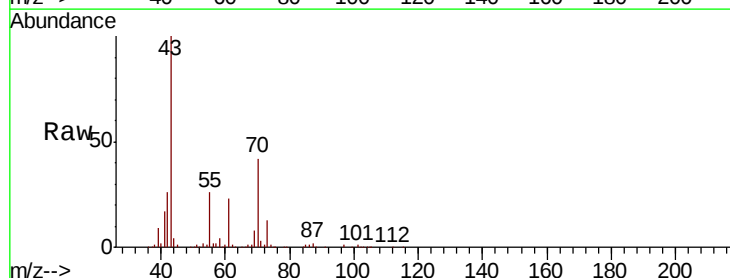
Ion Ratio Lower Upper

43 100

70 40.9 31.4 47.0

55 26.1 20.9 31.3

61 22.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

100000

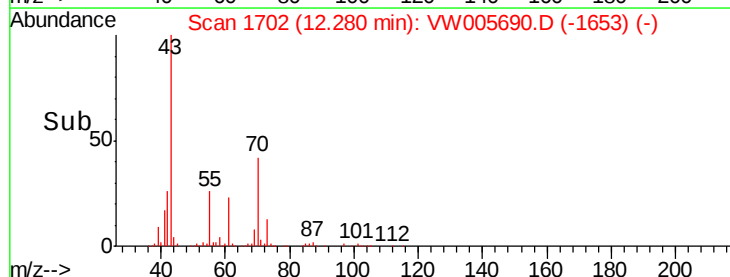
50000

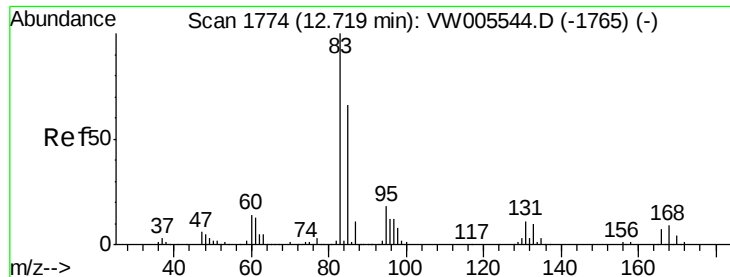
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 49.002 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

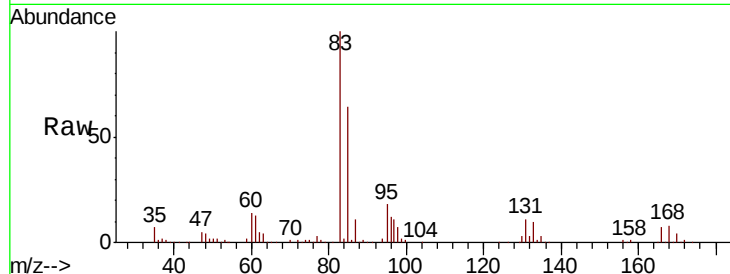
Tgt Ion: 83 Resp: 95735

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.7

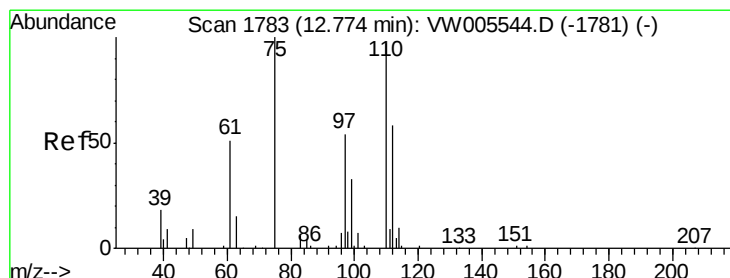
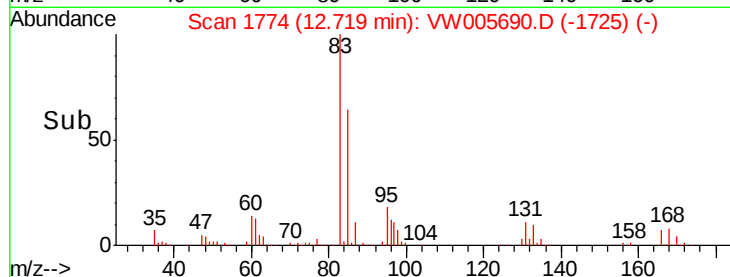
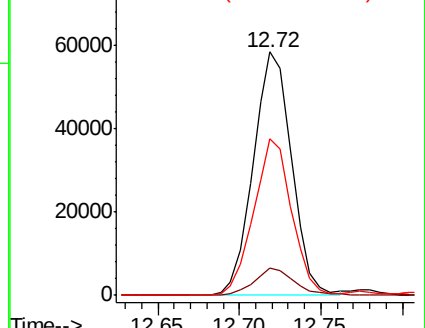
85 63.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 94.882 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005690.D

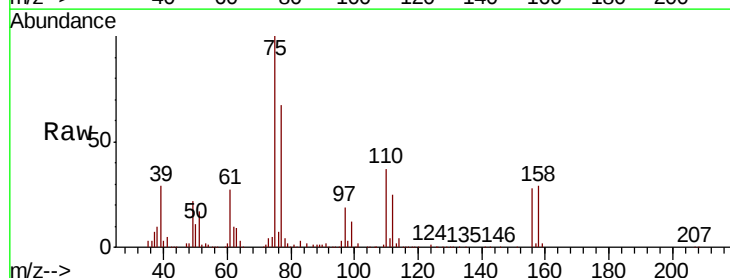
Acq: 27 Sep 2018 10:34

Tgt Ion: 75 Resp: 137182

Ion Ratio Lower Upper

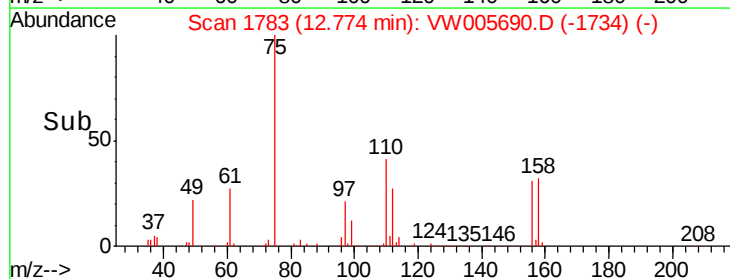
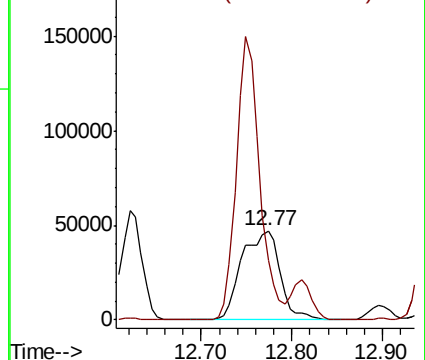
75 100

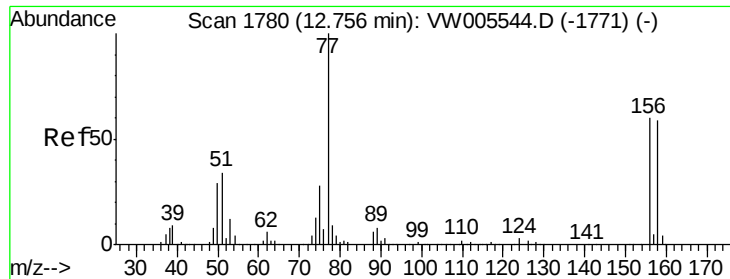
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.209 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

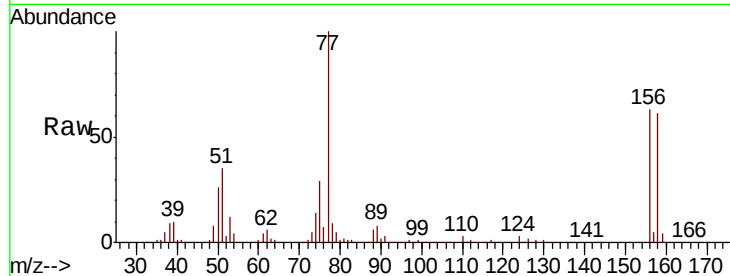
Tgt Ion:156 Resp: 143929

Ion Ratio Lower Upper

156 100

77 186.3 94.7 284.1

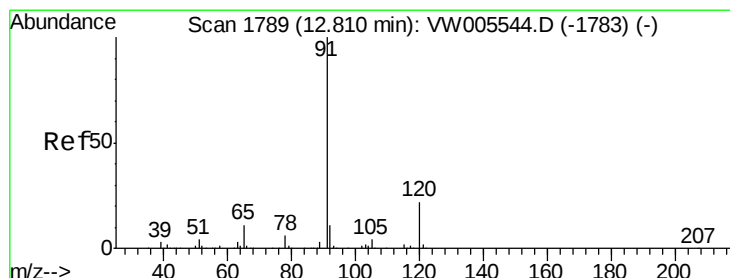
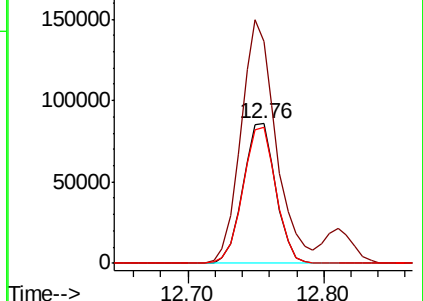
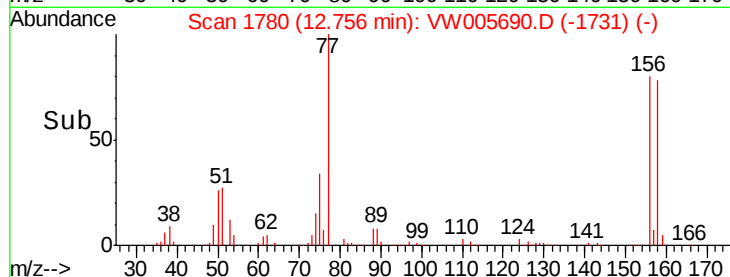
158 98.3 48.0 144.2



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: 55.738 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005690.D

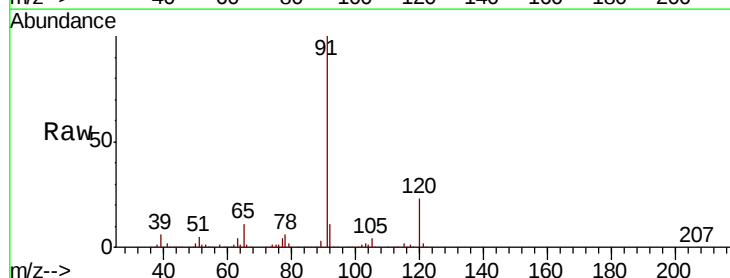
Acq: 27 Sep 2018 10:34

Tgt Ion: 91 Resp: 793720

Ion Ratio Lower Upper

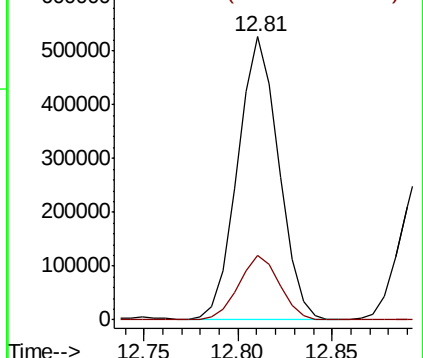
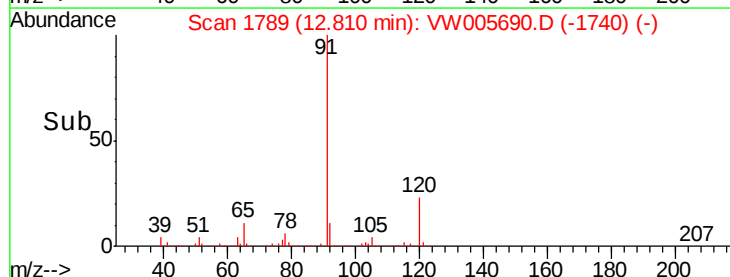
91 100

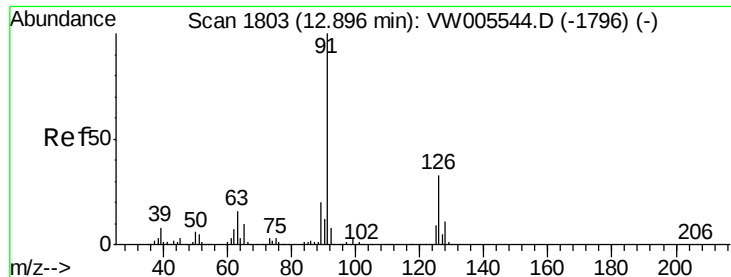
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.571 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

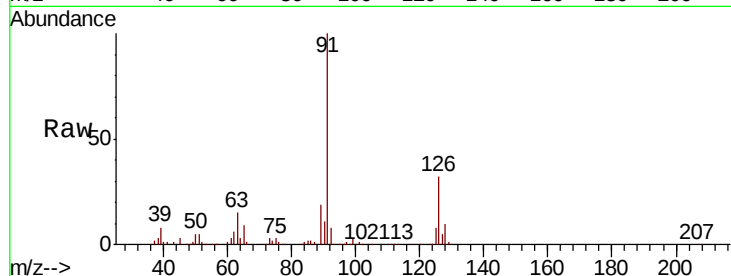
VSTDCCC050

Tgt Ion: 91 Resp: 449597

Ion Ratio Lower Upper

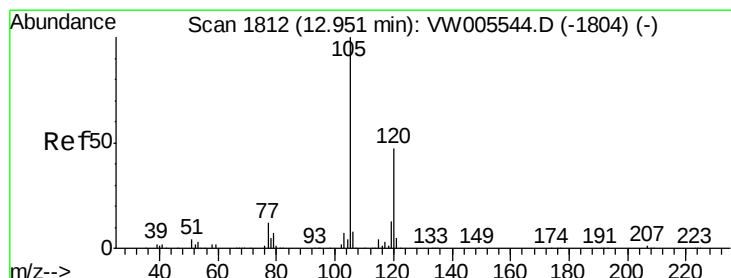
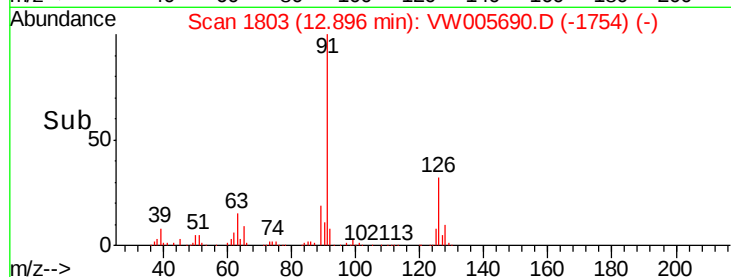
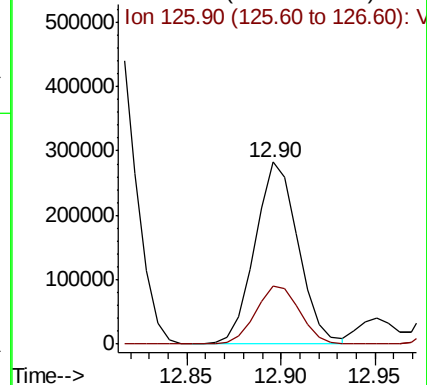
91 100

126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.340 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005690.D

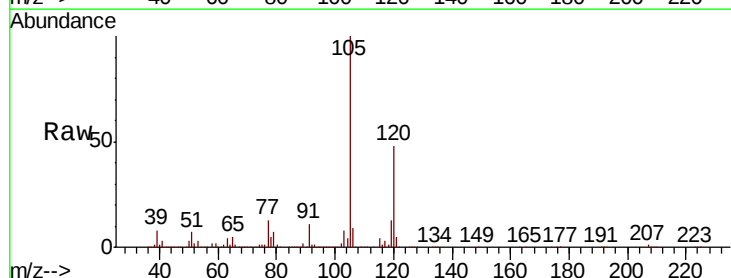
Acq: 27 Sep 2018 10:34

Tgt Ion: 105 Resp: 565995

Ion Ratio Lower Upper

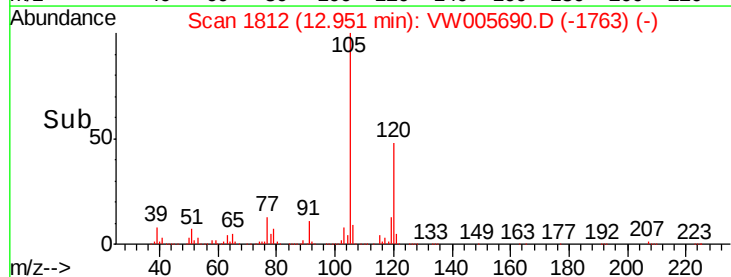
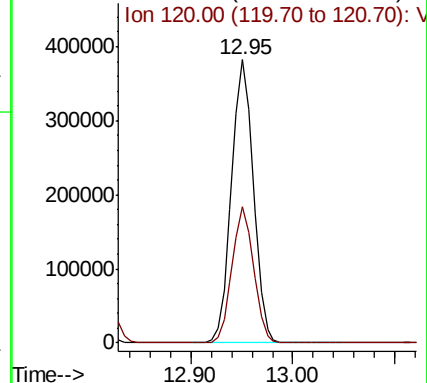
105 100

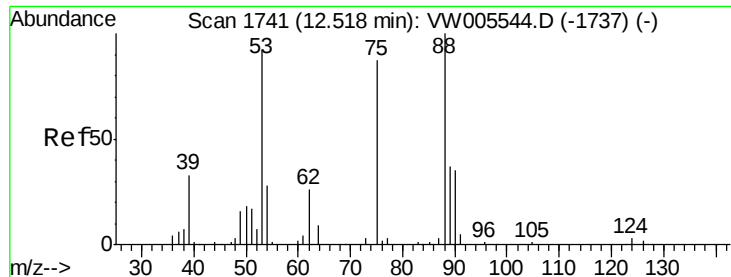
120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.252 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

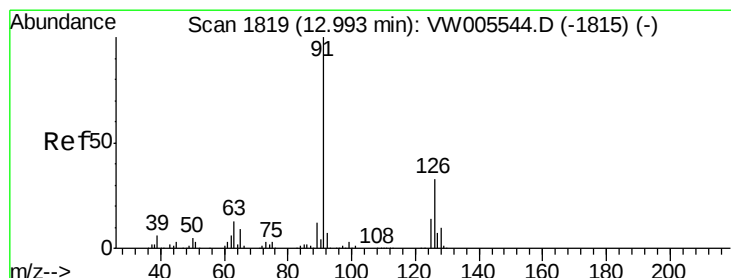
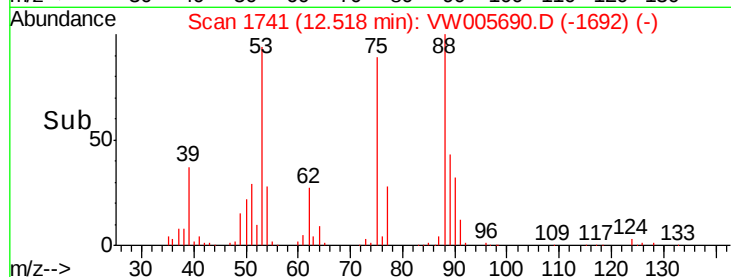
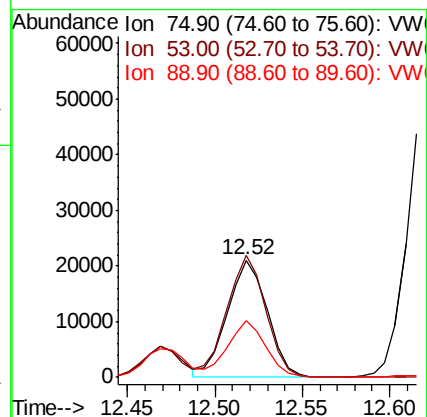
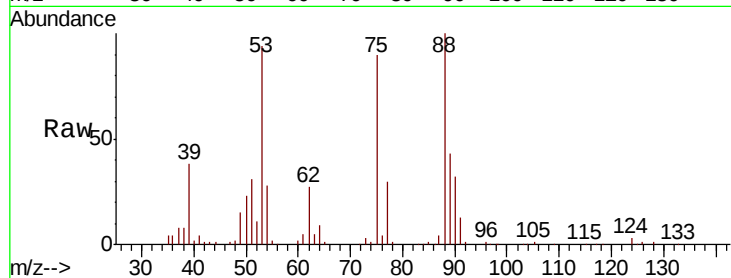
Tgt Ion: 75 Resp: 32900

Ion Ratio Lower Upper

75 100

53 103.4 85.8 128.6

89 46.0 37.3 55.9



#82

4-Chlorotoluene

Concen: 54.283 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005690.D

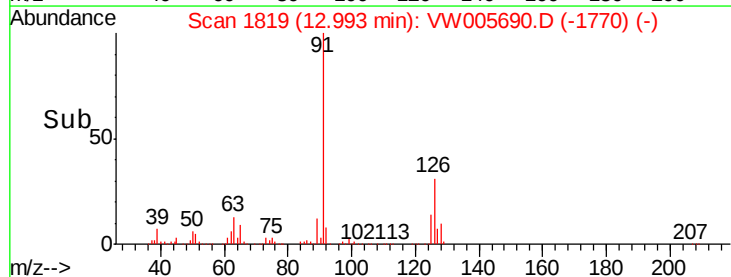
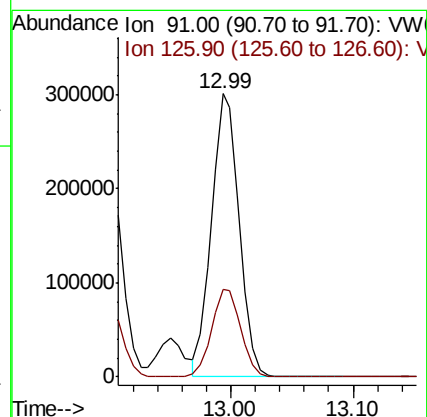
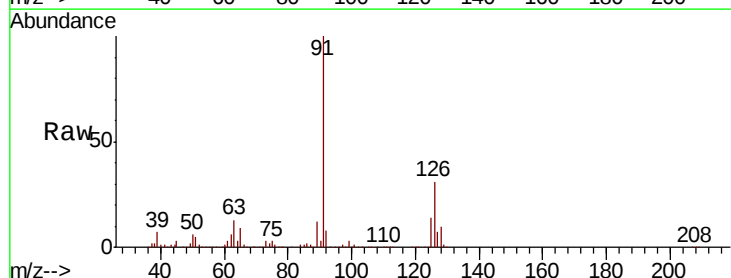
Acq: 27 Sep 2018 10:34

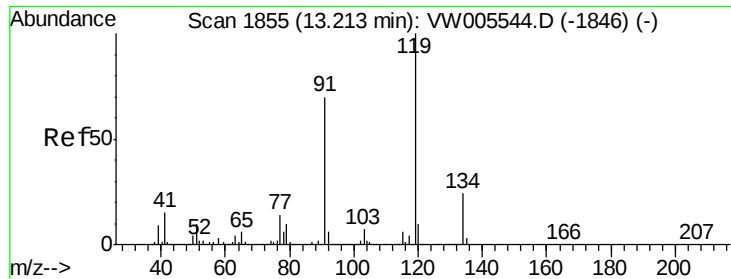
Tgt Ion: 91 Resp: 472526

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.4





#83

tert-Butylbenzene

Concen: 56.350 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

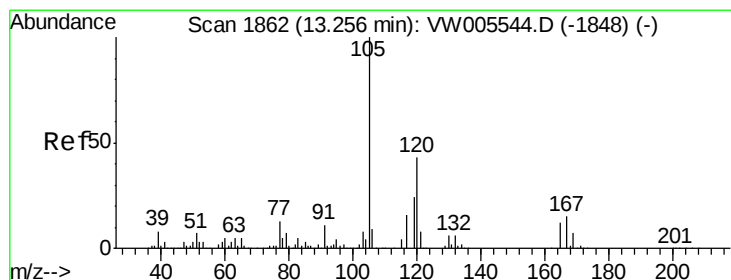
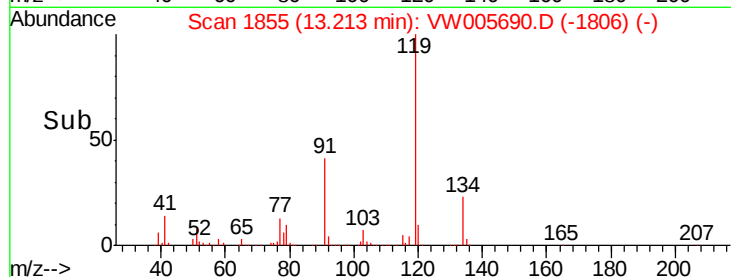
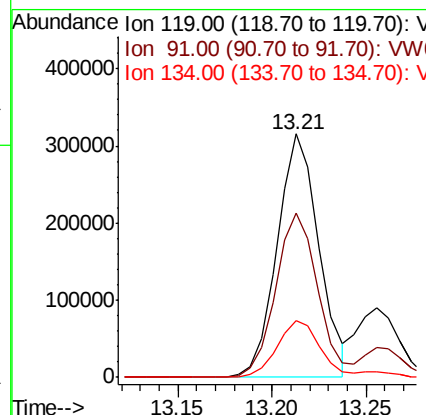
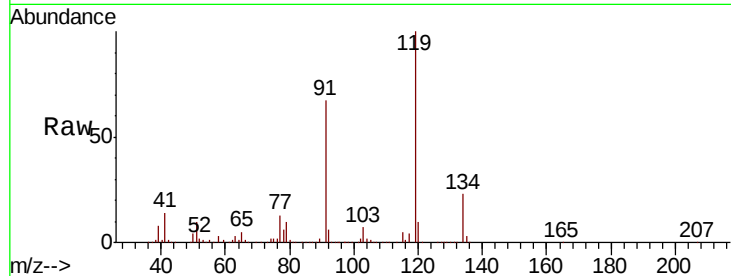
Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 484183

Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.6	103.8
134	23.9	12.6	37.6



#84

1,2,4-Trimethylbenzene

Concen: 55.980 ug/l

RT: 13.26 min Scan# 1862

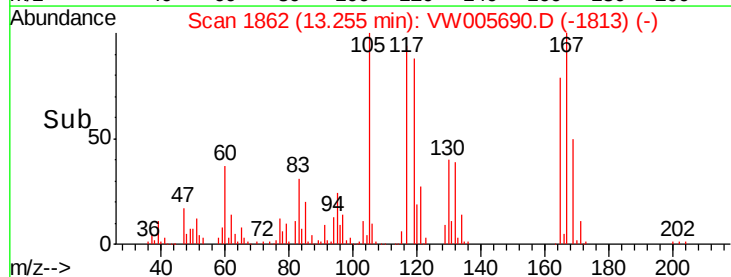
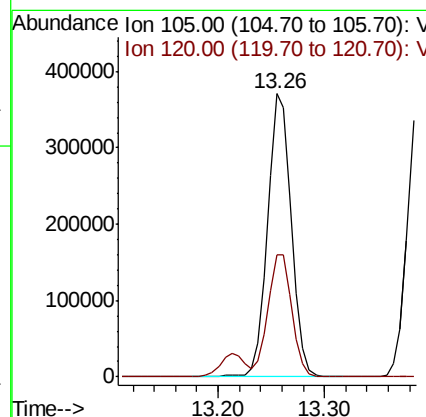
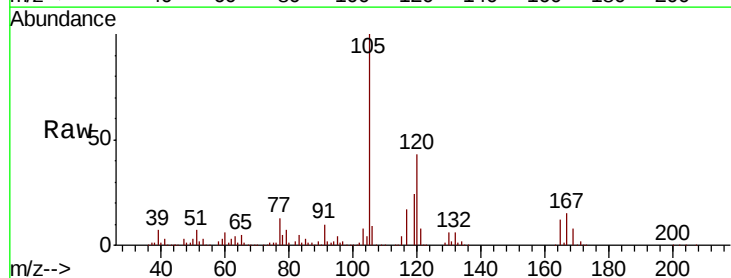
Delta R.T. -0.00 min

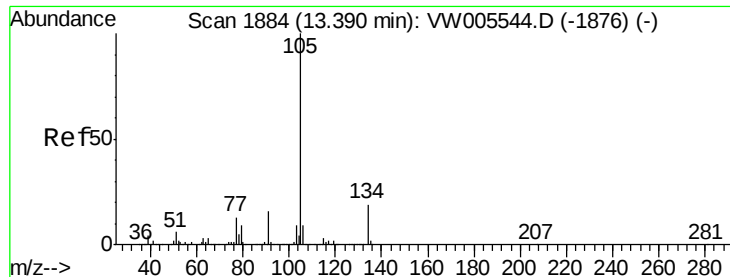
Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Tgt Ion:105 Resp: 577769

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.5	64.5

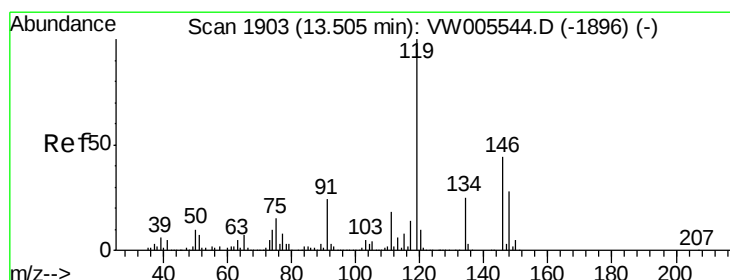
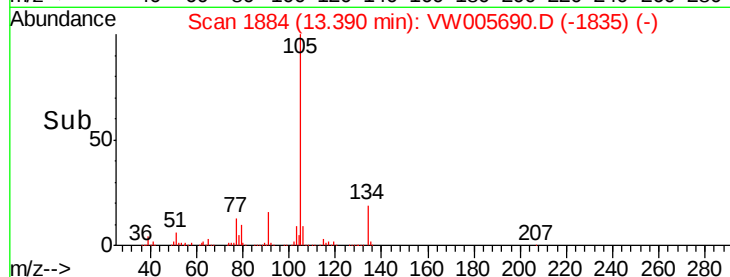
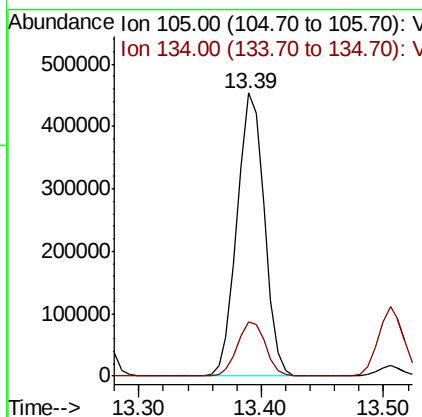
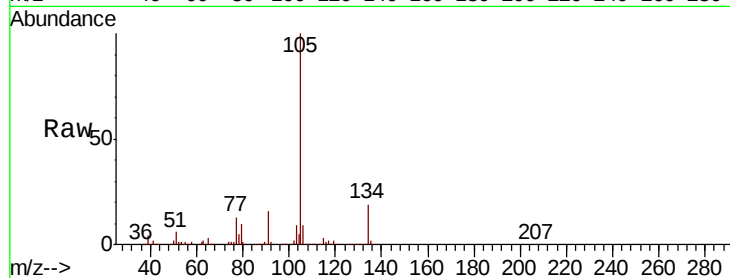




#85
 sec-Butylbenzene
 Concen: 56.274 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

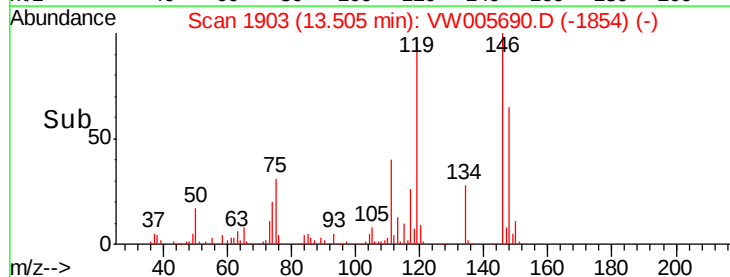
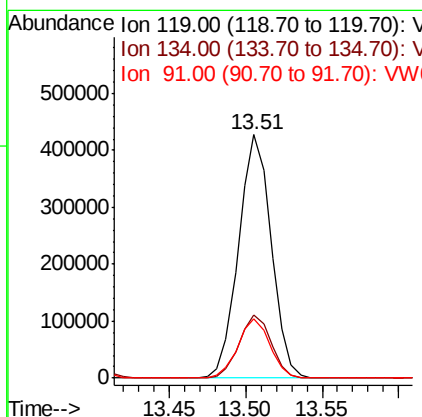
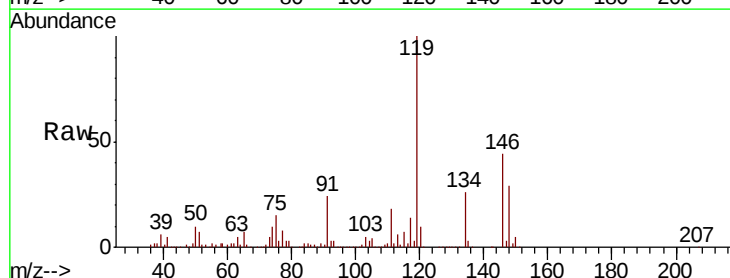
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

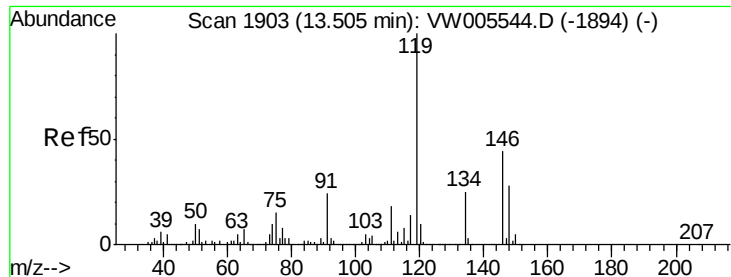
Tgt Ion:105 Resp: 701271
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 56.546 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion:119 Resp: 631602
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 23.9 12.2 36.4

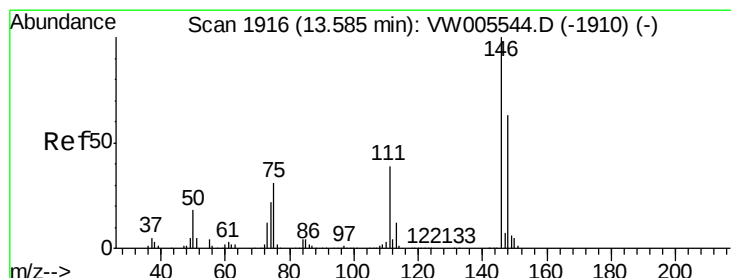
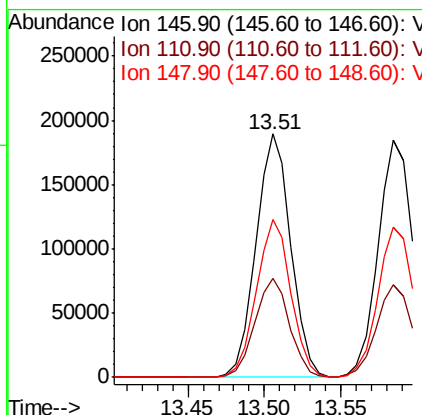
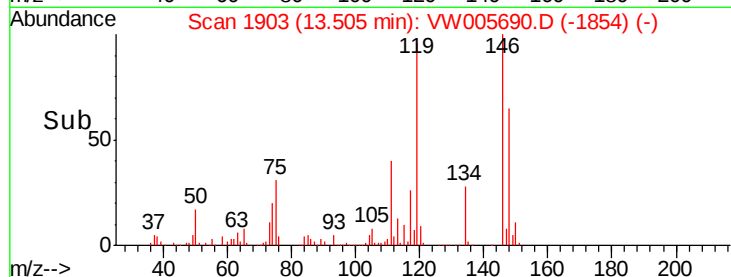
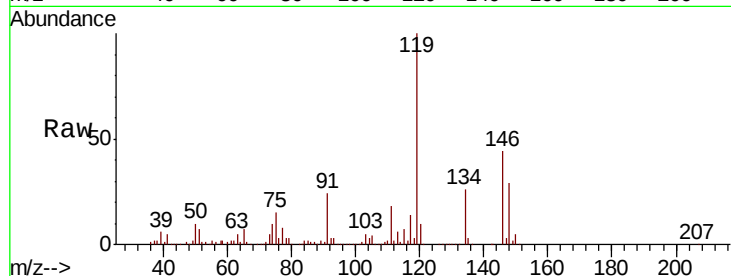




#87
 1,3-Dichlorobenzene
 Concen: 53.011 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

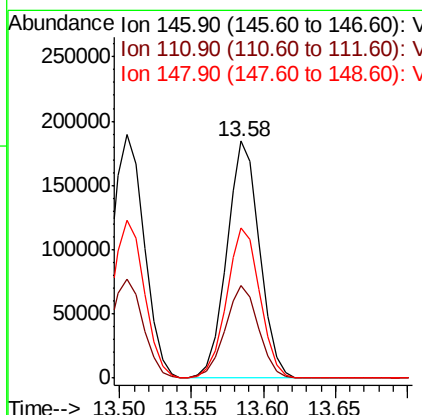
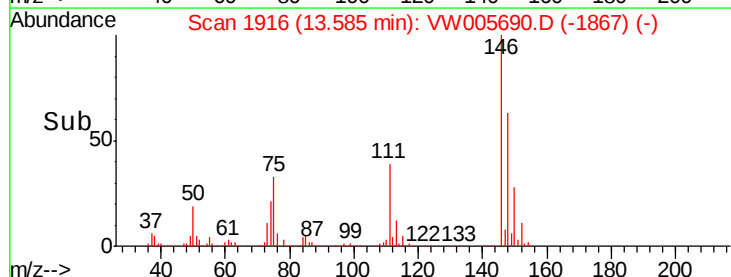
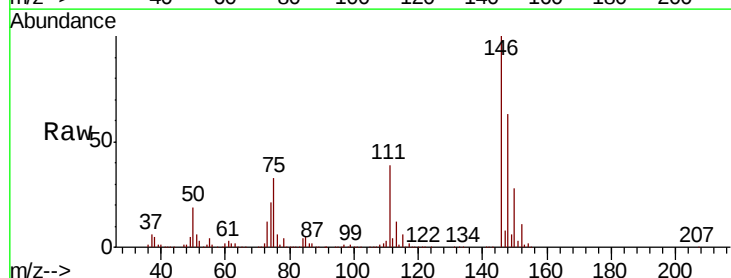
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

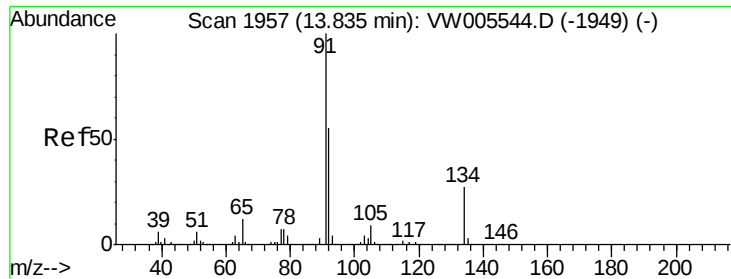
Tgt Ion:146 Resp: 298825
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.9
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.108 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion:146 Resp: 292134
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.9 59.7
 148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 56.945 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

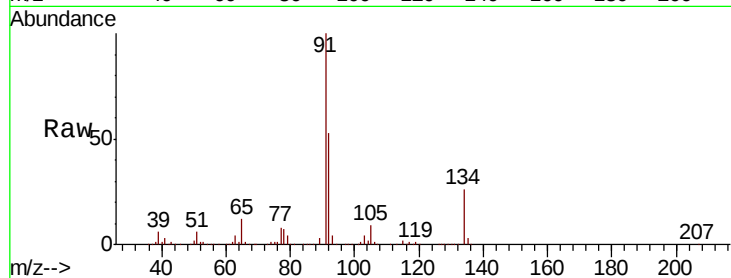
Tgt Ion: 91 Resp: 599956

Ion Ratio Lower Upper

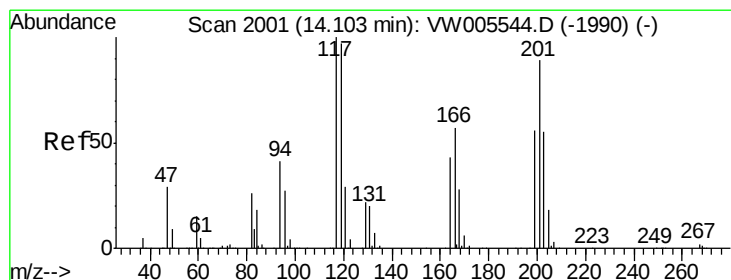
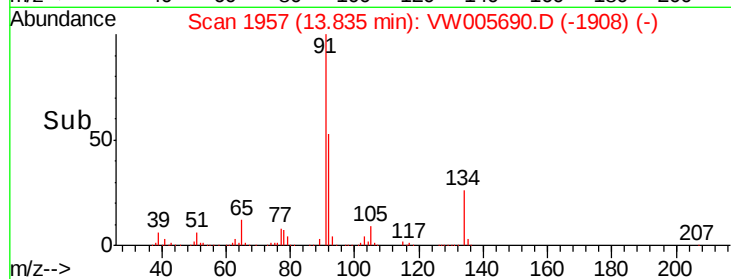
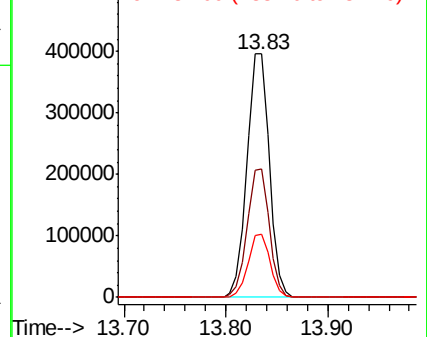
91 100

92 52.2 26.5 79.5

134 25.5 12.9 38.7



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



#90

Hexachloroethane

Concen: 53.715 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005690.D

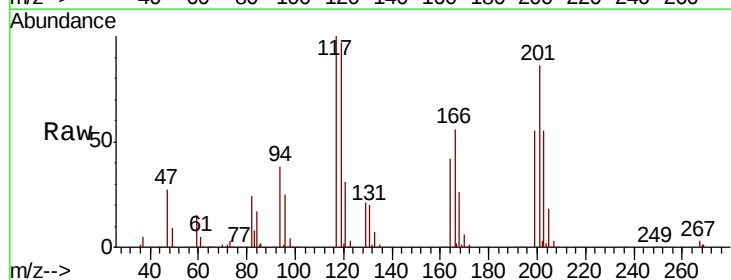
Acq: 27 Sep 2018 10:34

Tgt Ion: 117 Resp: 108745

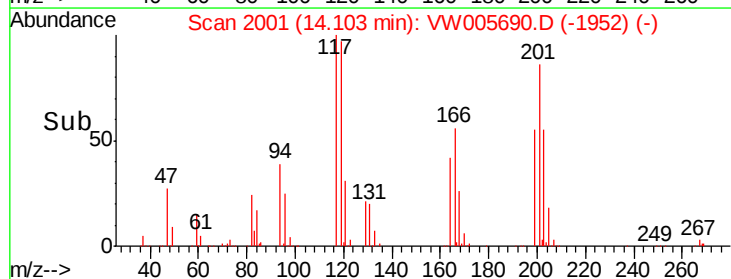
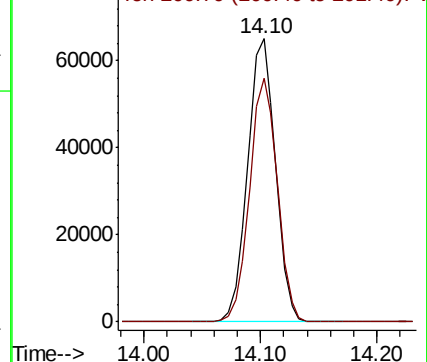
Ion Ratio Lower Upper

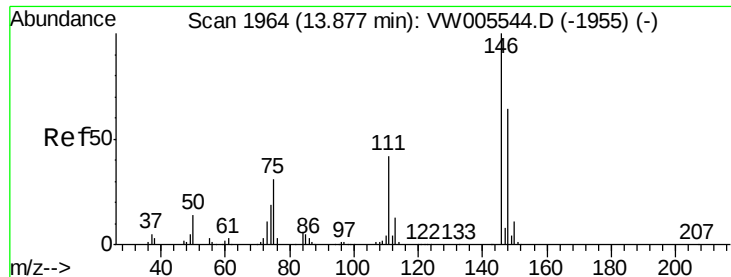
117 100

201 85.9 42.8 128.3



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





#91

1,2-Dichlorobenzene

Concen: 52.953 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

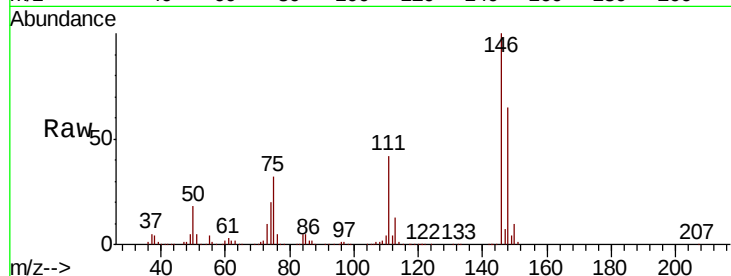
Tgt Ion:146 Resp: 263503

Ion Ratio Lower Upper

146 100

111 42.3 21.3 63.9

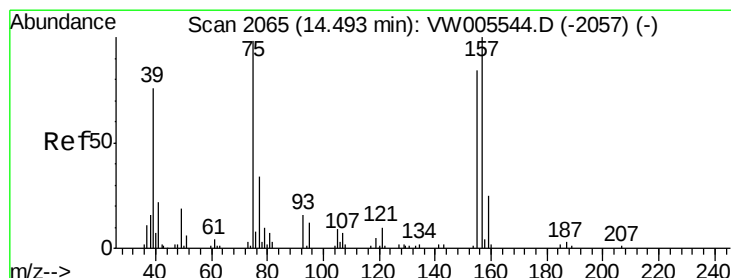
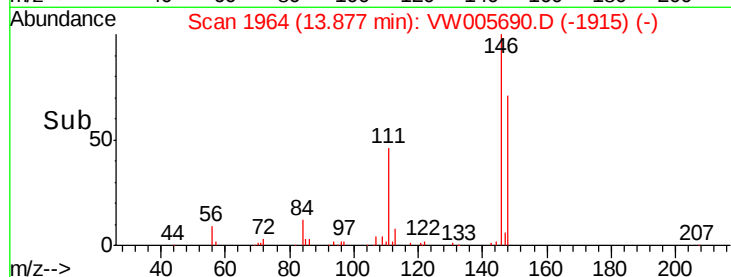
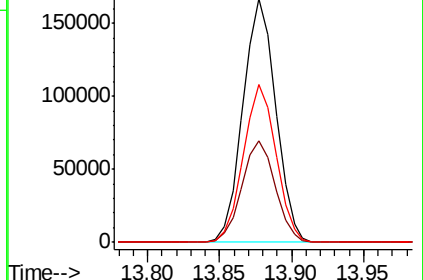
148 64.6 32.0 96.2



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: 45.789 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005690.D

Acq: 27 Sep 2018 10:34

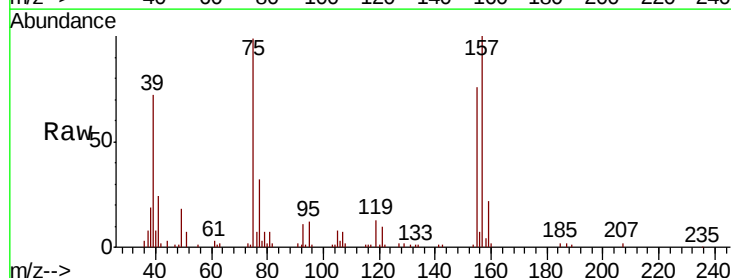
Tgt Ion: 75 Resp: 17044

Ion Ratio Lower Upper

75 100

155 79.4 39.1 117.5

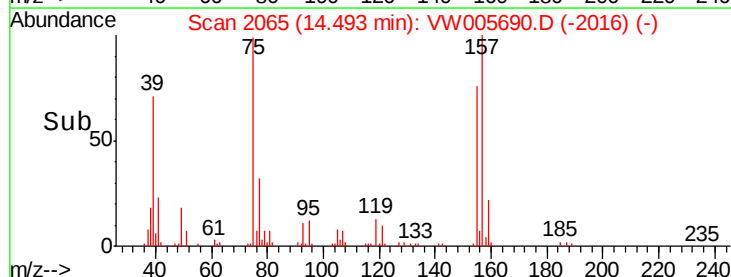
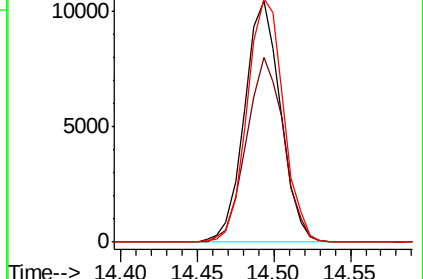
157 101.9 50.8 152.4

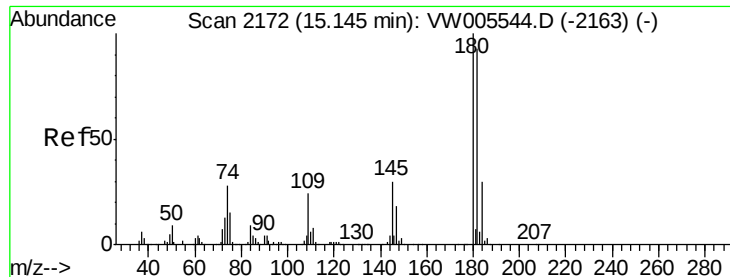


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

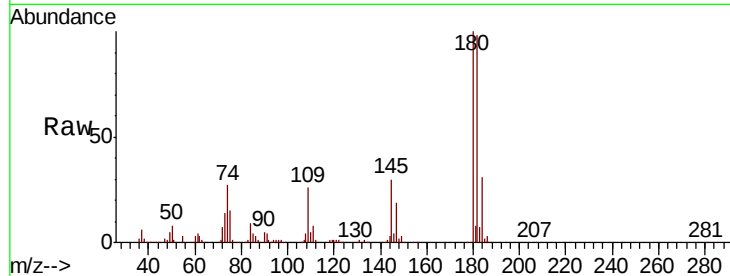




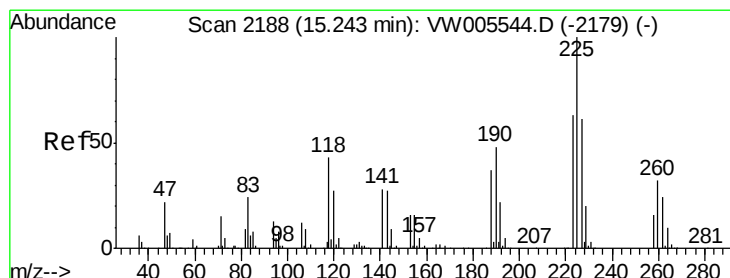
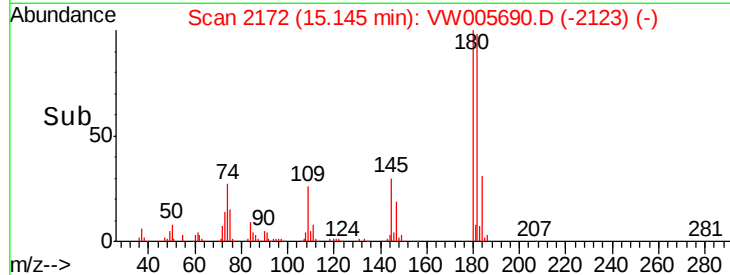
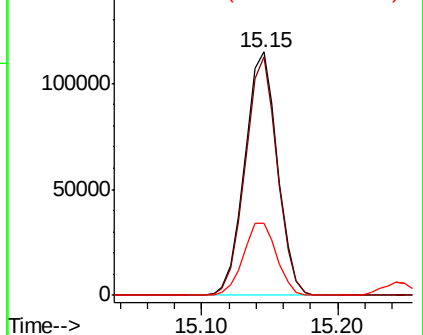
#93
 1,2,4-Trichlorobenzene
 Concen: 54.291 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 192722
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.7 143.1
 145 30.4 15.0 45.1

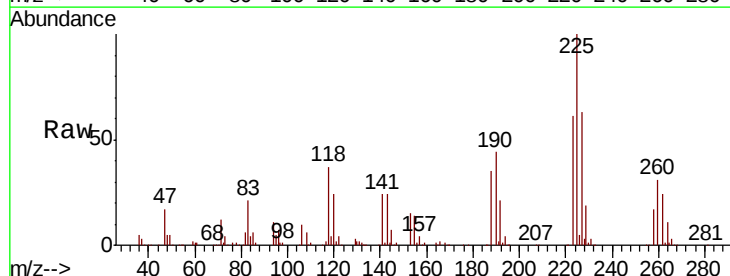


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

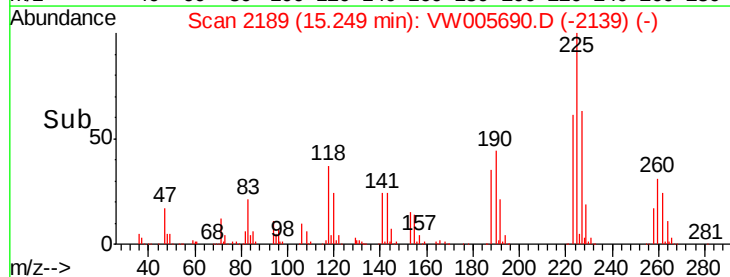
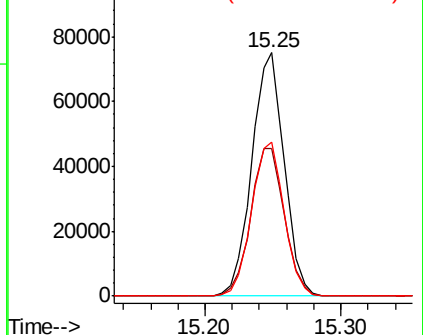


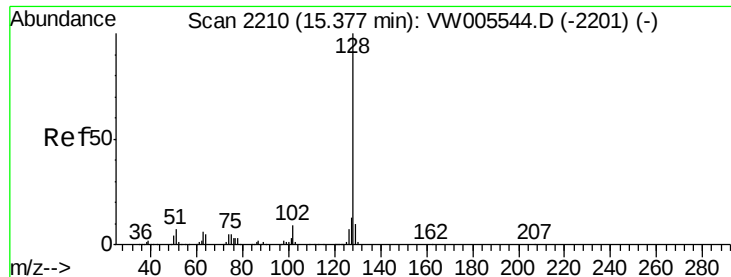
#94
 Hexachlorobutadiene
 Concen: 54.665 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005690.D
 Acq: 27 Sep 2018 10:34

Tgt Ion:225 Resp: 125715
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.3
 227 63.3 31.8 95.3



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

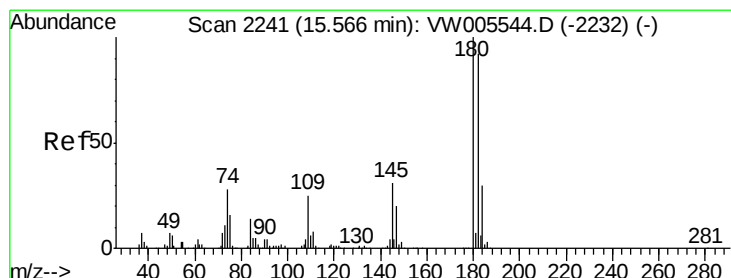
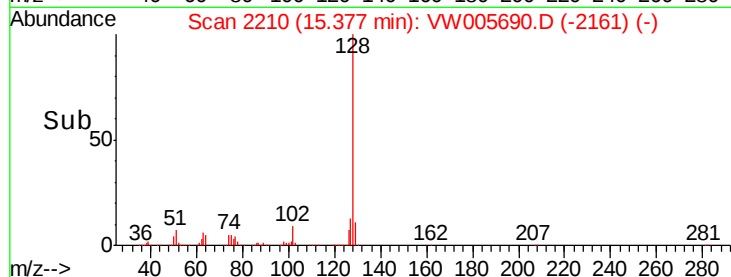
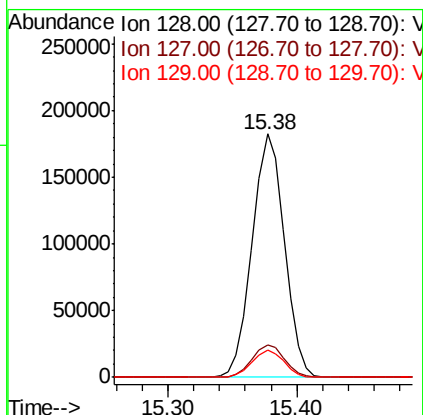
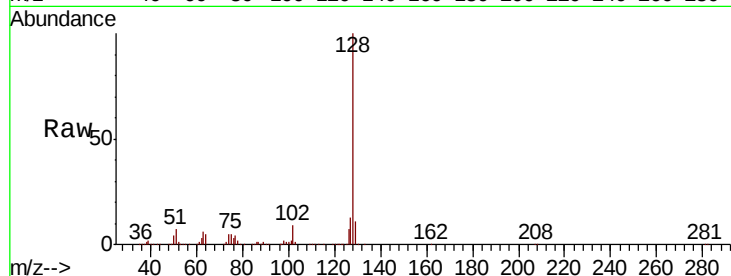




#95
Naphthalene
Concen: 52.683 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.609 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005690.D
Acq: 27 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	32.0	16.0	47.9

