

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122118\
 Data File : VW007723.D
 Acq On : 20 Dec 2018 03:48
 Operator : SY/AP
 Sample : VW1221SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

Quant Time: Dec 20 06:54:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	124045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	112981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56978	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	43835	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	7.88	113	39856	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.32	98	153899	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.62	95	58994	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	10260	15.680	ug/l	98
3) Chloromethane	2.21	50	9037	22.491	ug/l	95
4) Vinyl Chloride	2.37	62	11298	22.089	ug/l	99
5) Bromomethane	2.78	94	8401	23.582	ug/l #	78
6) Chloroethane	2.93	64	6652	24.310	ug/l	94
7) Trichlorofluoromethane	3.26	101	9531	17.899	ug/l	91
8) Diethyl Ether	3.68	74	7249	22.225	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14519	18.513	ug/l	95
10) Methyl Iodide	4.26	142	25704	20.610	ug/l	97
11) Tert butyl alcohol	5.17	59	6213	114.165	ug/l #	73
12) 1,1-Dichloroethene	4.03	96	14558	20.047	ug/l	96
13) Acrolein	3.88	56	4864	111.783	ug/l	97
14) Allyl chloride	4.67	41	20709	21.746	ug/l	95
15) Acrylonitrile	5.37	53	14569	104.716	ug/l	100
16) Acetone	4.12	43	13383	88.588	ug/l	98
17) Carbon Disulfide	4.37	76	44093	19.621	ug/l #	94
18) Methyl Acetate	4.67	43	7441	20.711	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	23510	22.550	ug/l	94
20) Methylene Chloride	4.91	84	19539	22.379	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	16164	20.238	ug/l	89
22) Diisopropyl ether	6.31	45	40243	22.568	ug/l	96
23) Vinyl Acetate	6.26	43	112367	106.063	ug/l	99
24) 1,1-Dichloroethane	6.21	63	27991	21.338	ug/l	97
25) 2-Butanone	7.17	43	17296	97.746	ug/l	93
26) 2,2-Dichloropropane	7.17	77	18087	18.842	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	18418	21.645	ug/l	99
28) Bromochloromethane	7.51	49	9646	21.567	ug/l	98
29) Tetrahydrofuran	7.53	42	11350	107.535	ug/l	99
30) Chloroform	7.68	83	30625	20.629	ug/l	97
31) Cyclohexane	7.95	56	23933	19.929	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	27017	19.982	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22845	19.081	ug/l	99
37) Ethyl Acetate	7.25	43	8064	19.516	ug/l	98
38) Carbon Tetrachloride	8.07	117	25168	17.850	ug/l	96

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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)
39) Methylcyclohexane	9.34	83	27432	18.439	ug/l	99
40) Benzene	8.32	78	64807	20.285	ug/l	99
41) Methacrylonitrile	7.49	41	5288	22.541	ug/l	92
42) 1,2-Dichloroethane	8.40	62	21033	19.645	ug/l	99
43) Isopropyl Acetate	8.43	43	16765	20.252	ug/l	99
44) Trichloroethene	9.09	130	18795	19.453	ug/l	99
45) 1,2-Dichloropropane	9.37	63	15045	21.223	ug/l	98
46) Dibromomethane	9.46	93	8738	20.024	ug/l	99
47) Bromodichloromethane	9.64	83	22224	19.372	ug/l	100
48) Methyl methacrylate	9.43	41	7834	18.959	ug/l	97
49) 1,4-Dioxane	9.45	88	2830	409.037	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	38868	99.351	ug/l	100
52) Toluene	10.39	92	42700	19.920	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	21760	19.069	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	24825	19.696	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12041	20.015	ug/l	99
56) Ethyl methacrylate	10.65	69	14701	20.683	ug/l	98
57) 1,3-Dichloropropane	10.93	76	20720	20.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	33617	103.588	ug/l	98
59) 2-Hexanone	10.97	43	26970	98.025	ug/l	99
60) Dibromochloromethane	11.13	129	15830	19.873	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12327	20.234	ug/l	96
64) Tetrachloroethene	10.87	164	16487	20.607	ug/l	95
65) Chlorobenzene	11.66	112	48833	19.969	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	17555	20.091	ug/l	97
67) Ethyl Benzene	11.73	91	84086	20.038	ug/l	100
68) m/p-Xylenes	11.84	106	65049	39.961	ug/l	98
69) o-Xylene	12.17	106	31956	20.943	ug/l	96
70) Styrene	12.18	104	51528	20.544	ug/l	99
71) Bromoform	12.35	173	8814	19.431	ug/l #	100
73) Isopropylbenzene	12.47	105	87530	20.323	ug/l	99
74) N-amyl acetate	12.27	43	15405	20.650	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12781	19.792	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	17981	40.830	ug/l #	100
77) Bromobenzene	12.75	156	19968	20.230	ug/l	98
78) n-propylbenzene	12.80	91	101061	20.158	ug/l	98
79) 2-Chlorotoluene	12.90	91	59099	20.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	74680	20.102	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3750	17.874	ug/l	93
82) 4-Chlorotoluene	12.99	91	63660	20.471	ug/l	100
83) tert-Butylbenzene	13.21	119	66623	20.439	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	78561	20.957	ug/l	99
85) sec-Butylbenzene	13.39	105	90460	20.136	ug/l	99
86) p-Isopropyltoluene	13.51	119	81758	20.014	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	39762	20.289	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39522	20.161	ug/l	100
89) n-Butylbenzene	13.83	91	72464	19.347	ug/l	99
90) Hexachloroethane	14.10	117	13808	19.254	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	35932	20.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2771	20.895	ug/l	97

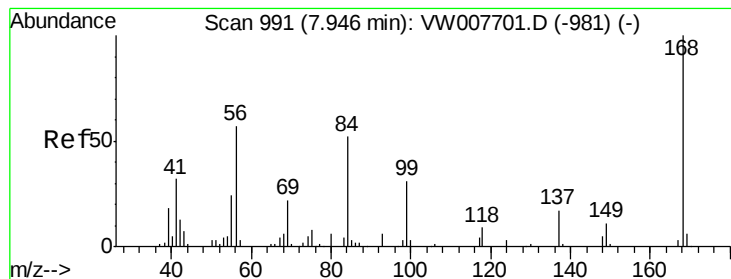
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24431	20.059	ug/l	98
94) Hexachlorobutadiene	15.24	225	13183	20.253	ug/l	96
95) Naphthalene	15.38	128	47127	20.928	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	20699	19.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

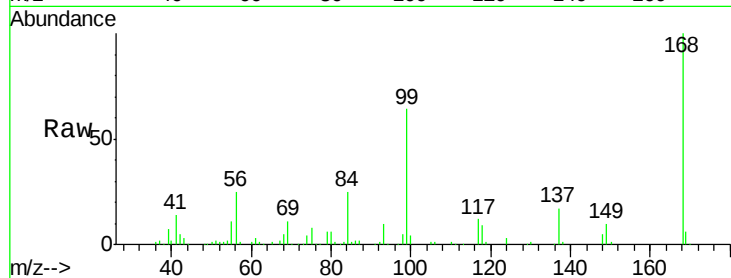
VW1221SBS02

Tgt Ion: 168 Resp: 73605

Ion Ratio Lower Upper

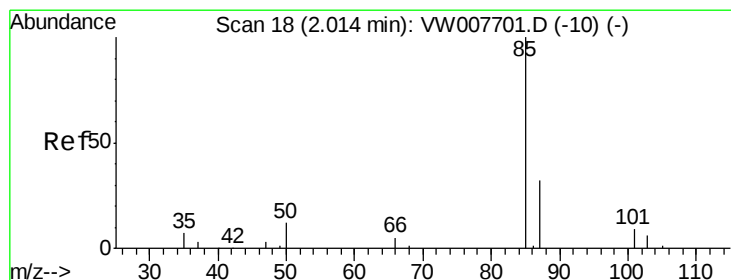
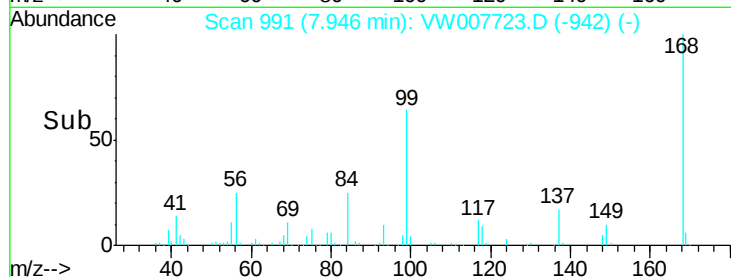
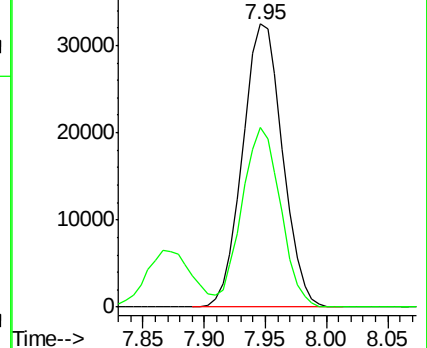
168 100

99 63.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.680 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007723.D

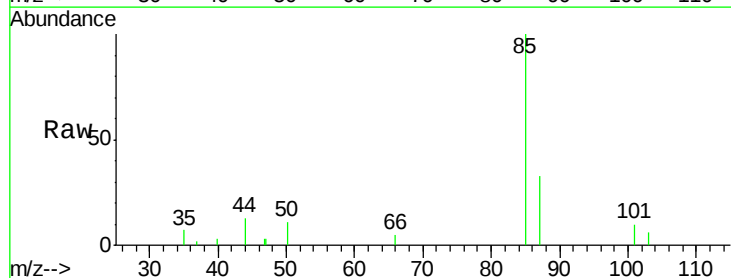
Acq: 20 Dec 2018 03:48

Tgt Ion: 85 Resp: 10260

Ion Ratio Lower Upper

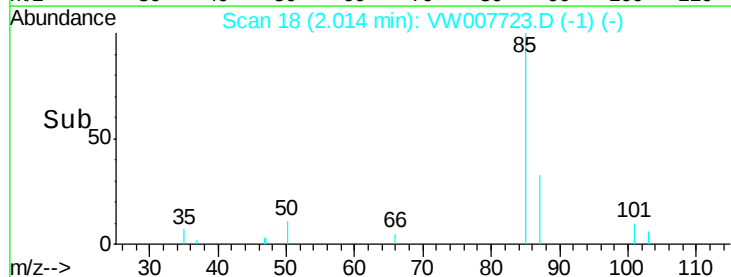
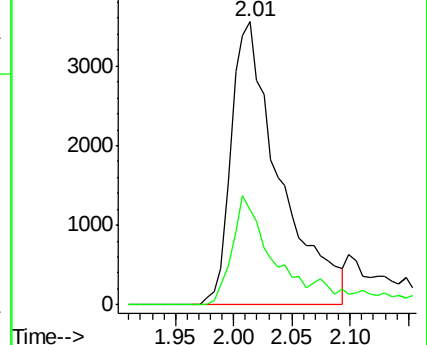
85 100

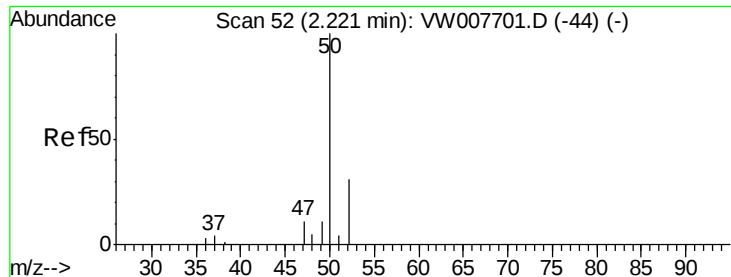
87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.491 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

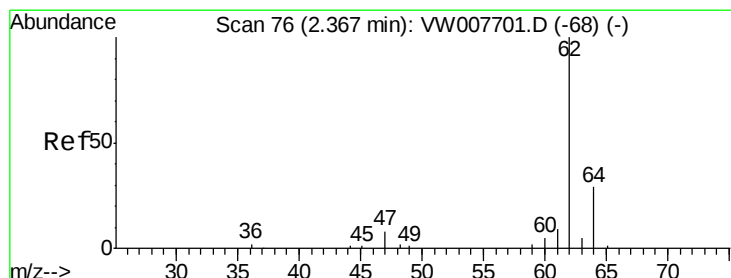
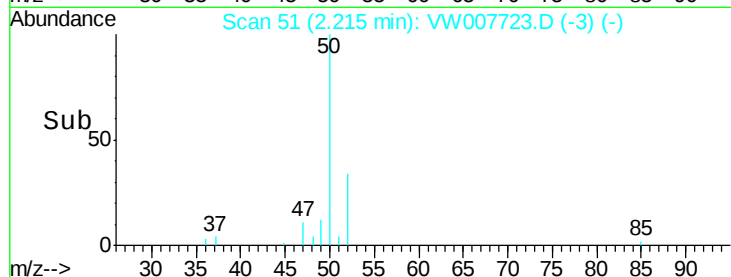
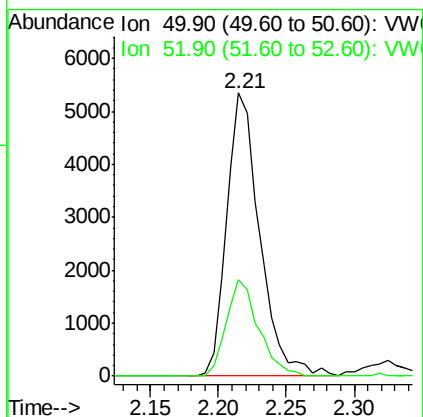
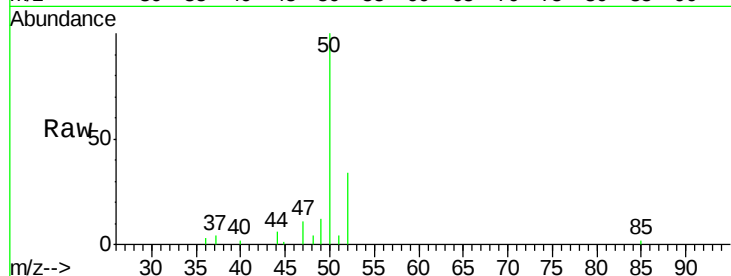
VW1221SBS02

Tgt Ion: 50 Resp: 9037

Ion Ratio Lower Upper

50 100

52 34.2 25.1 37.7



#4

Vinyl Chloride

Concen: 22.089 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007723.D

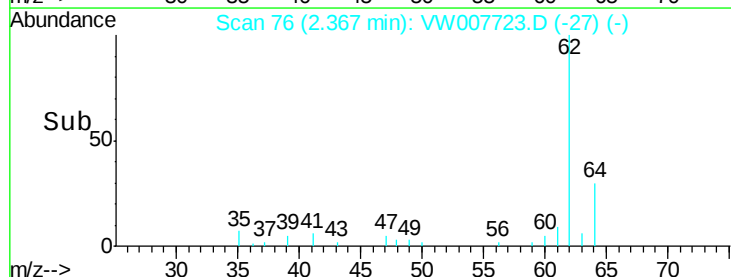
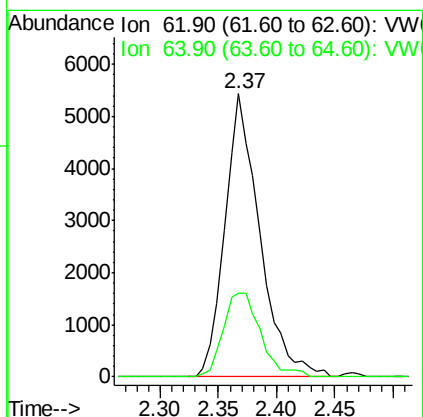
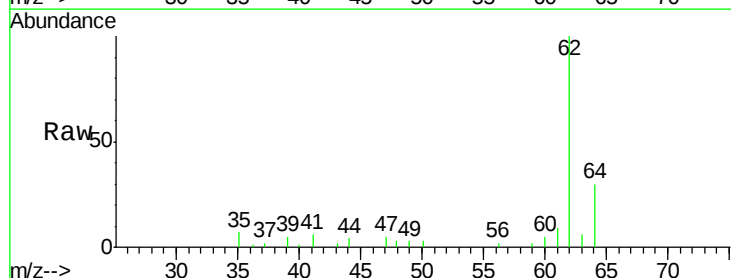
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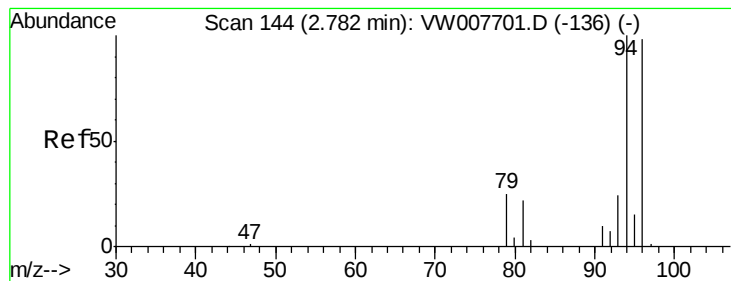
Tgt Ion: 62 Resp: 11298

Ion Ratio Lower Upper

62 100

64 29.7 23.4 35.0





#5

Bromomethane

Concen: 23.582 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

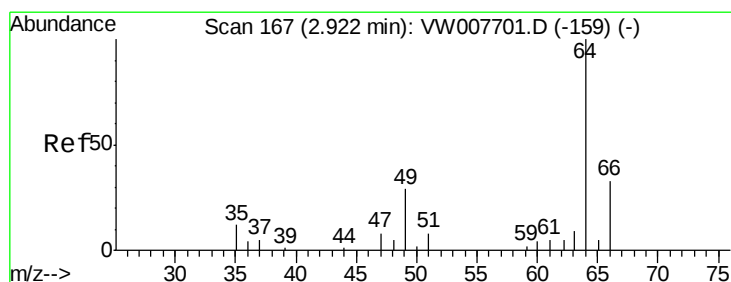
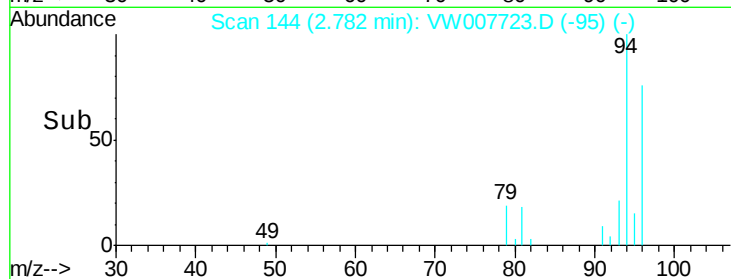
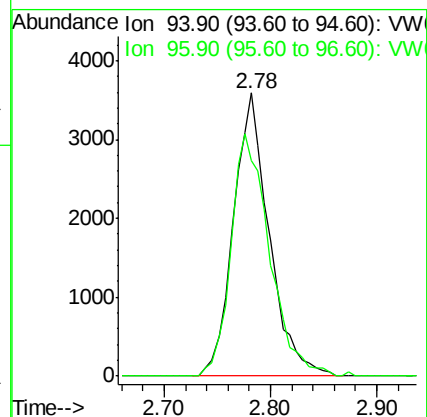
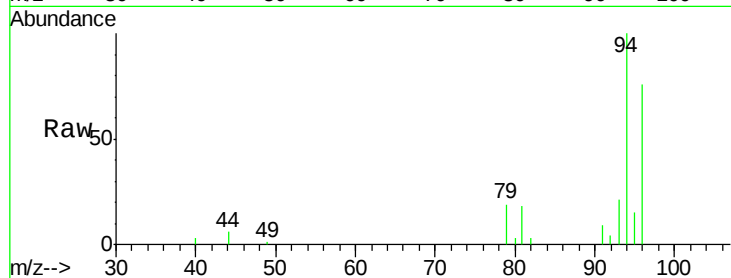
VW1221SBS02

Tgt Ion: 94 Resp: 8401

Ion Ratio Lower Upper

94 100

96 76.1 78.2 117.2#



#6

Chloroethane

Concen: 24.310 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007723.D

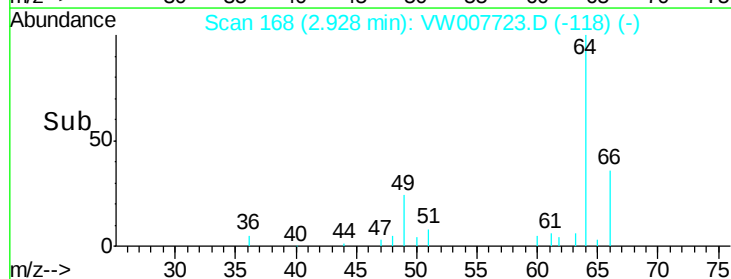
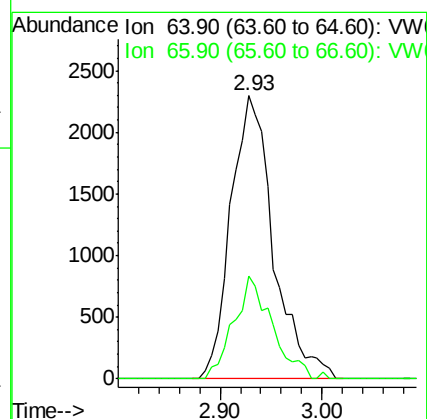
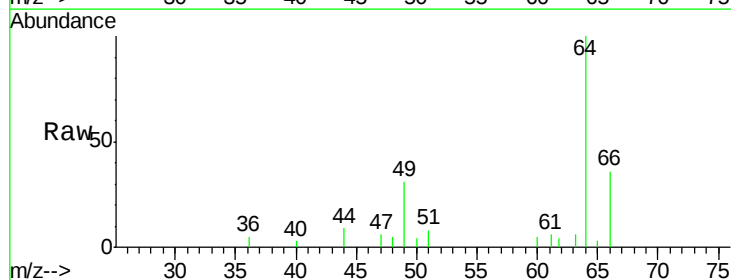
Acq: 20 Dec 2018 03:48

Tgt Ion: 64 Resp: 6652

Ion Ratio Lower Upper

64 100

66 36.1 26.2 39.4



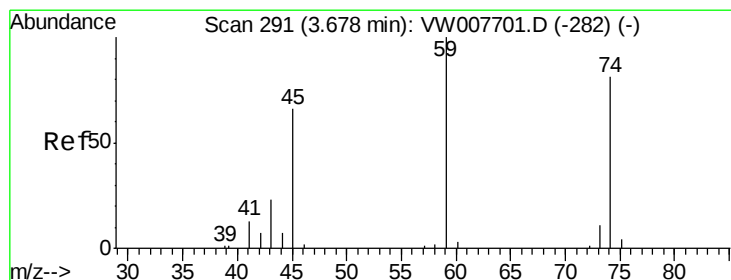
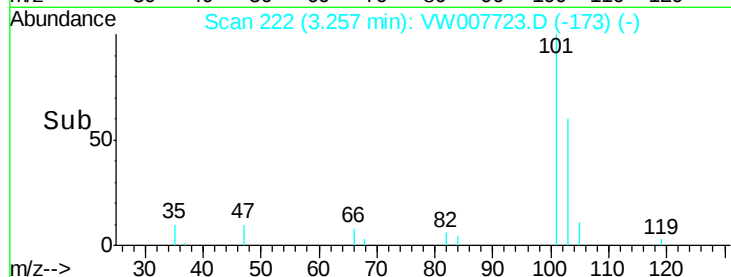
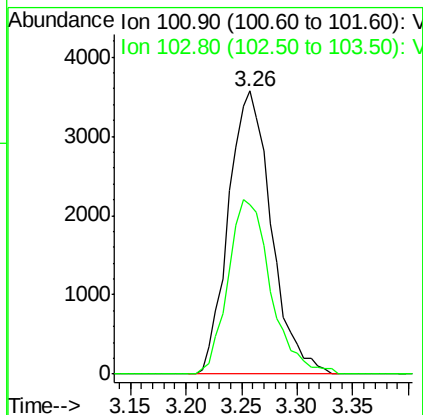
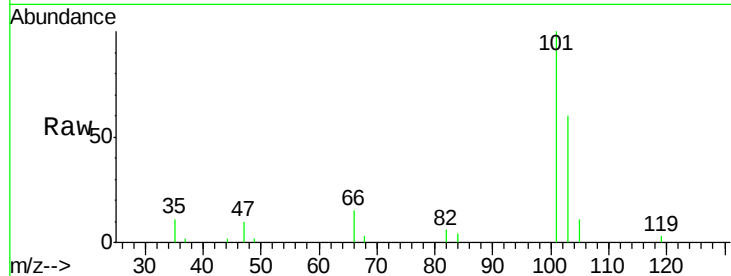


#7

Trichlorofluoromethane
Concen: 17.899 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

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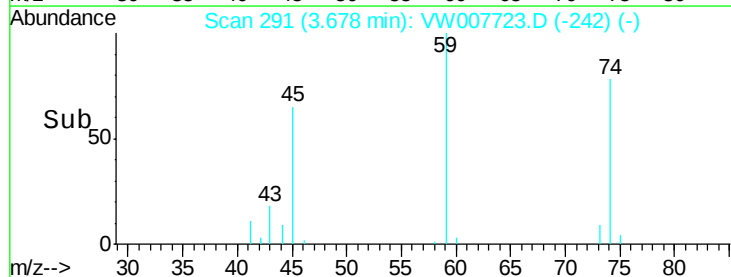
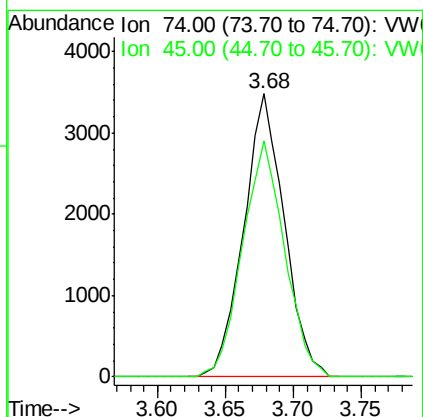
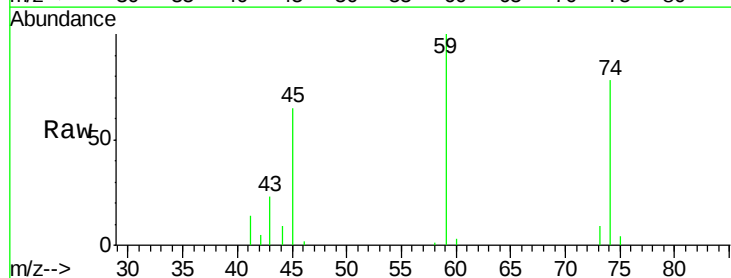
Tgt Ion: 101 Resp: 9531
Ion Ratio Lower Upper
101 100
103 59.9 53.4 80.2

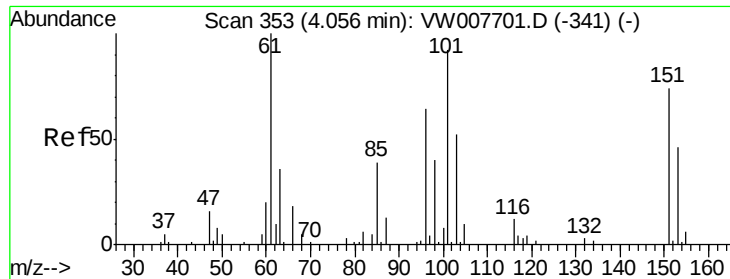


#8

Diethyl Ether
Concen: 22.225 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 74 Resp: 7249
Ion Ratio Lower Upper
74 100
45 86.7 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.513 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

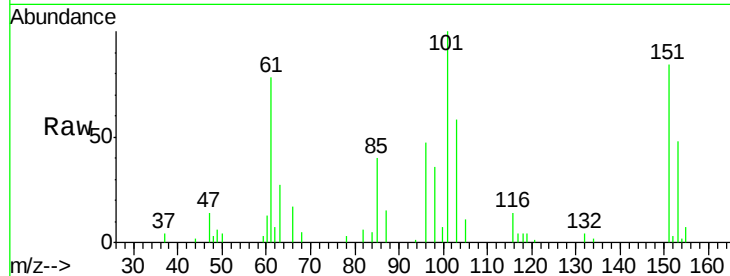
Tgt Ion:101 Resp: 14519

Ion Ratio Lower Upper

101 100

85 41.0 34.3 51.5

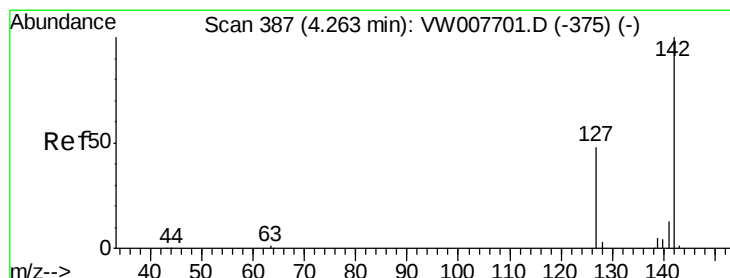
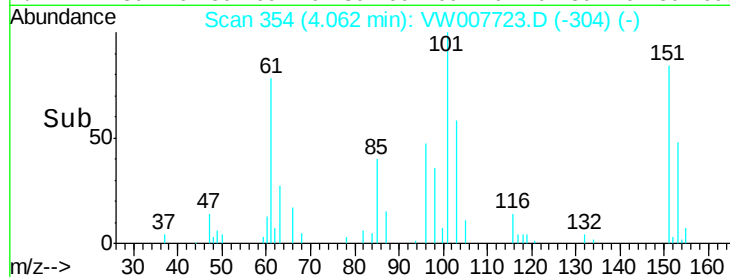
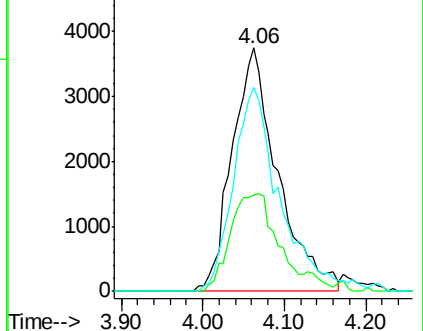
151 85.6 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.610 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

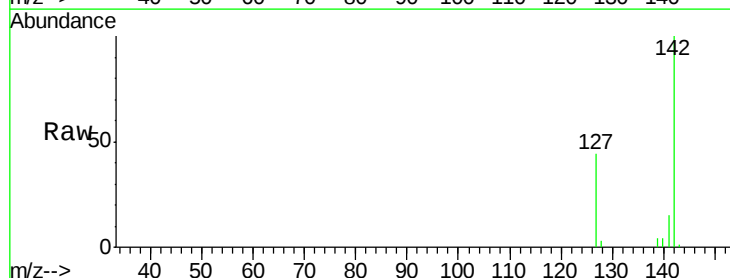
Tgt Ion:142 Resp: 25704

Ion Ratio Lower Upper

142 100

127 44.8 37.7 56.5

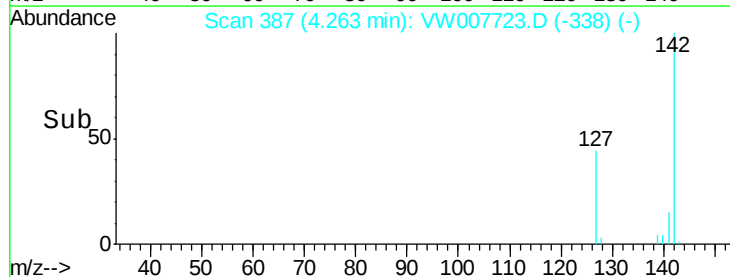
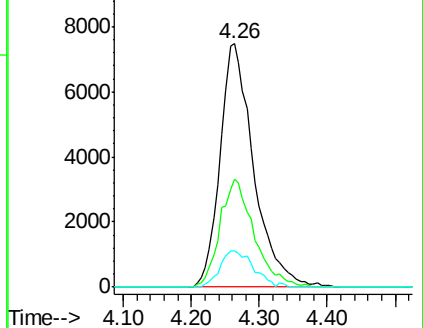
141 14.6 11.5 17.3

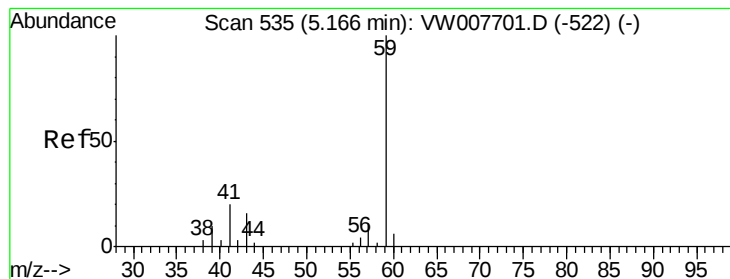


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 114.165 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

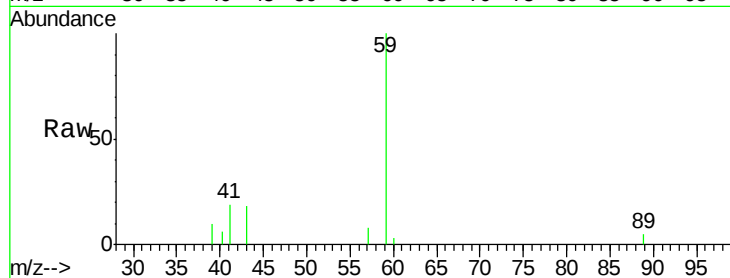
VW1221SBS02

Tgt Ion: 59 Resp: 6213

Ion Ratio Lower Upper

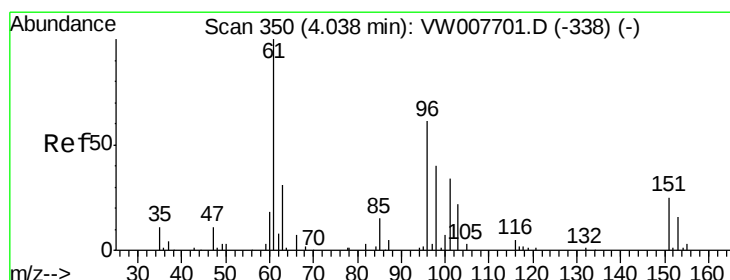
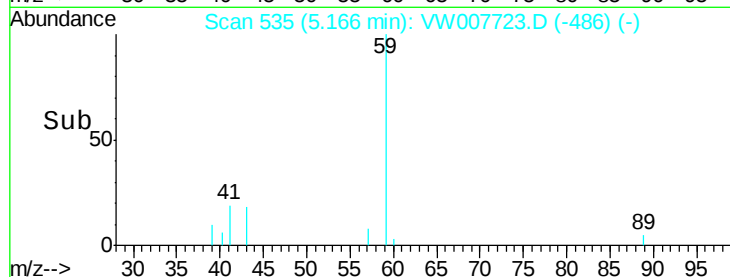
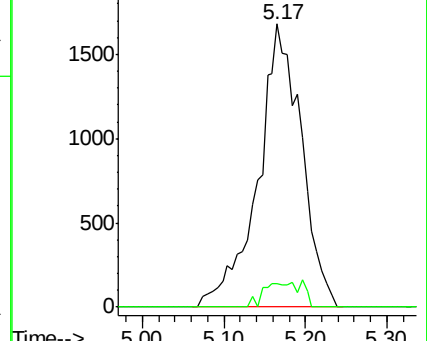
59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.047 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

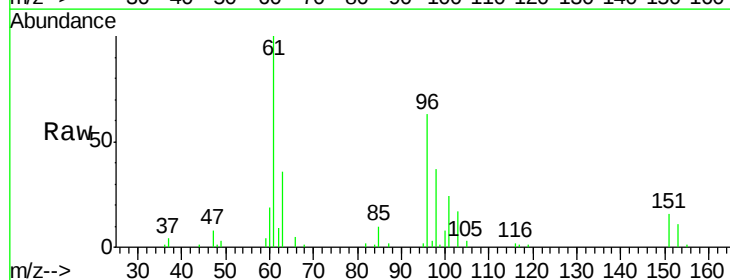
Tgt Ion: 96 Resp: 14558

Ion Ratio Lower Upper

96 100

61 159.7 130.6 195.8

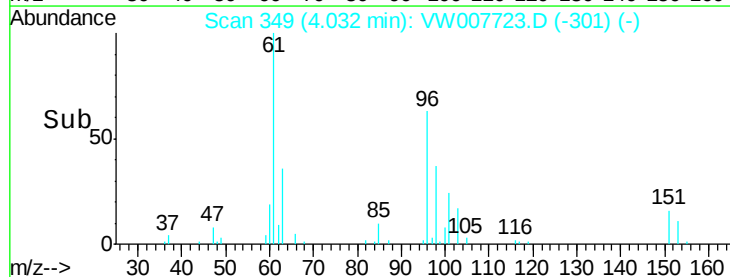
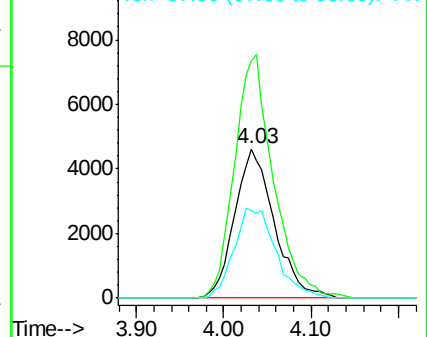
98 59.1 52.3 78.5

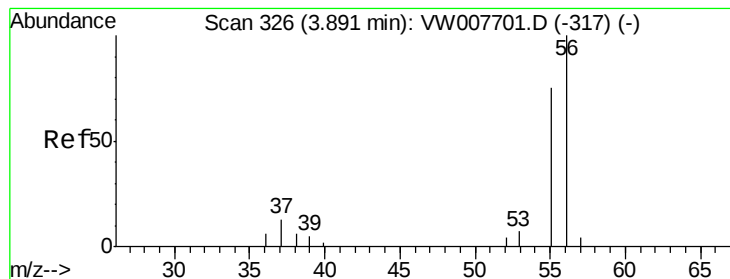


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 111.783 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

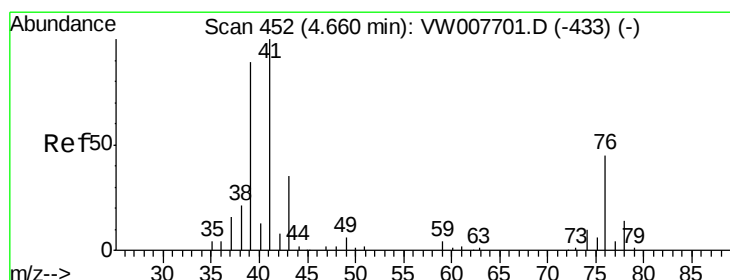
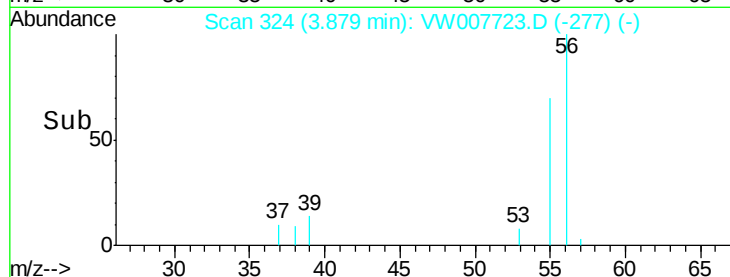
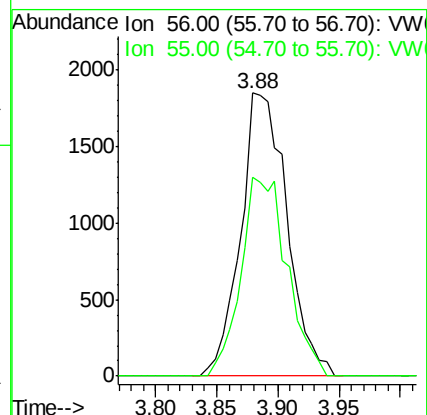
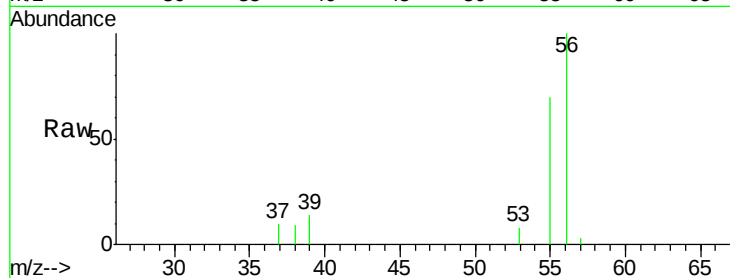
VW1221SBS02

Tgt Ion: 56 Resp: 4864

Ion Ratio Lower Upper

56 100

55 69.9 57.7 86.5



#14

Allyl chloride

Concen: 21.746 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

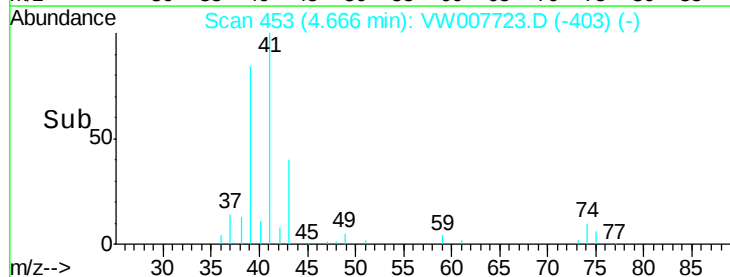
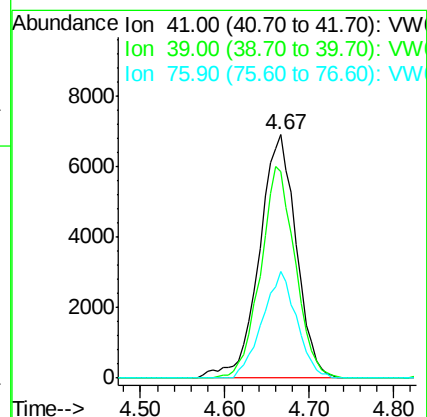
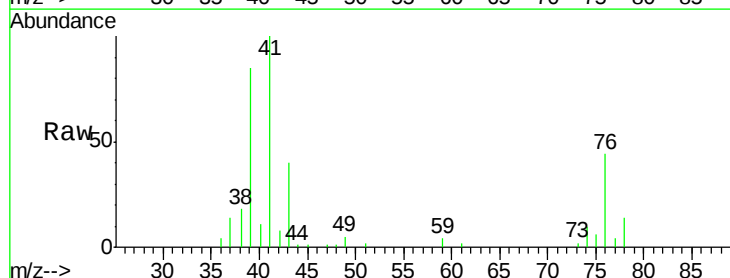
Tgt Ion: 41 Resp: 20709

Ion Ratio Lower Upper

41 100

39 81.8 69.5 104.3

76 40.8 34.8 52.2





#15

Acrylonitrile

Concen: 104.716 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

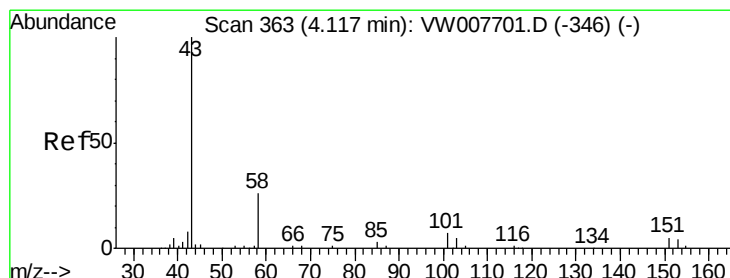
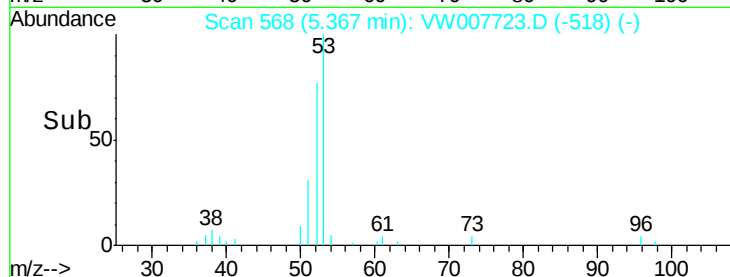
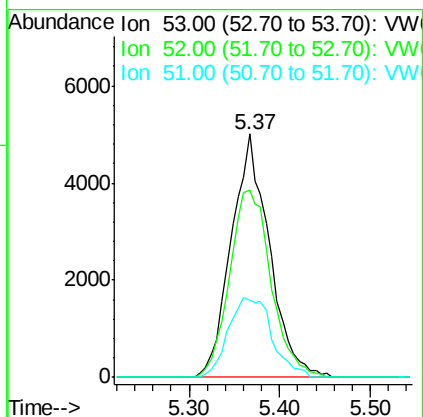
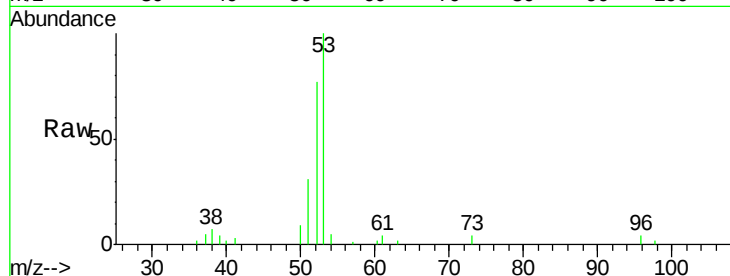
Tgt Ion: 53 Resp: 14569

Ion Ratio Lower Upper

53 100

52 83.6 67.0 100.4

51 37.4 30.2 45.2



#16

Acetone

Concen: 88.588 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007723.D

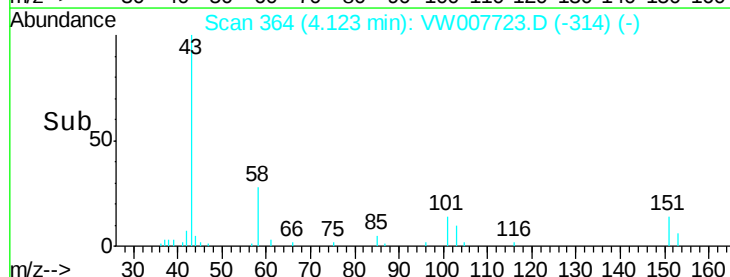
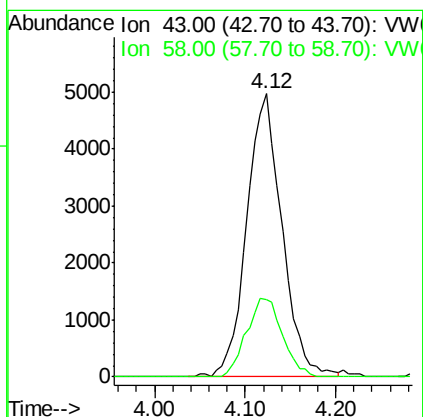
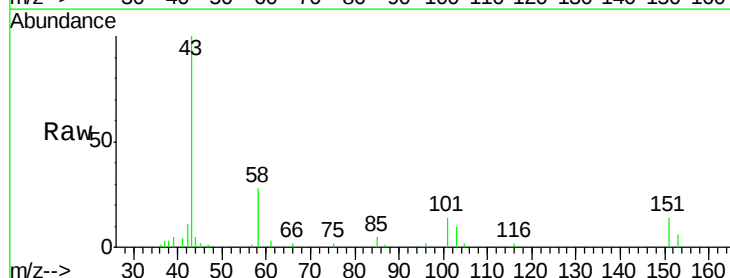
Acq: 20 Dec 2018 03:48

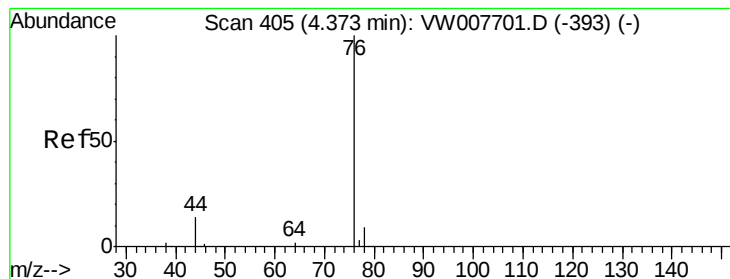
Tgt Ion: 43 Resp: 13383

Ion Ratio Lower Upper

43 100

58 27.5 21.2 31.8





#17

Carbon Disulfide

Concen: 19.621 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

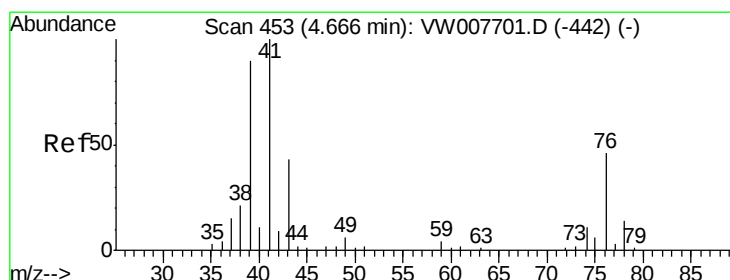
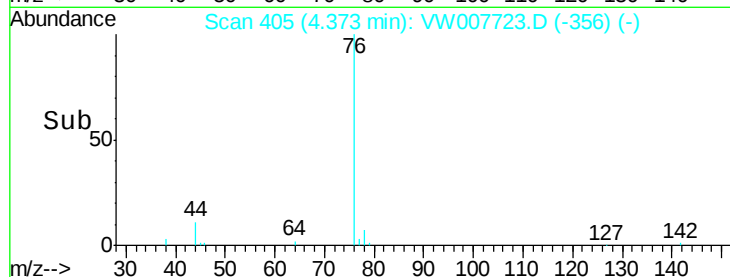
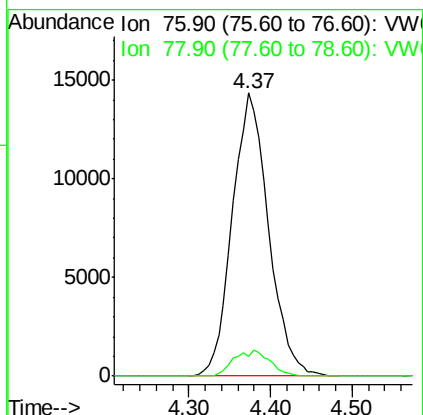
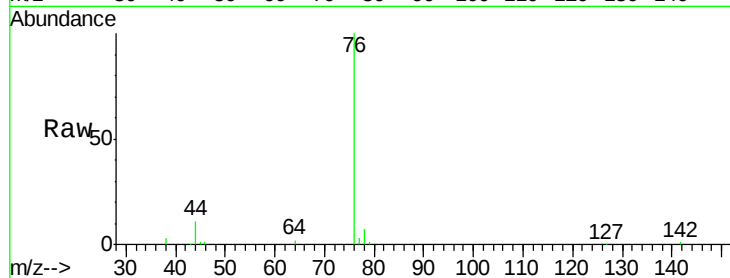
VW1221SBS02

Tgt Ion: 76 Resp: 44093

Ion Ratio Lower Upper

76 100

78 7.1 7.3 10.9#



#18

Methyl Acetate

Concen: 20.711 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007723.D

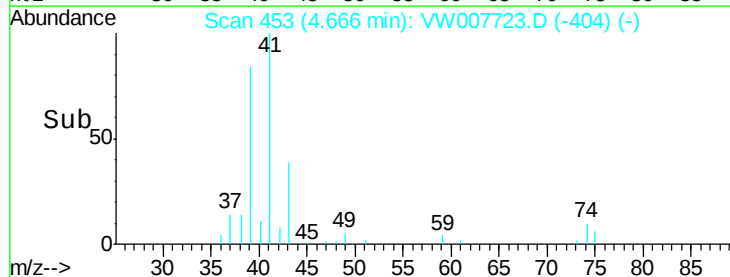
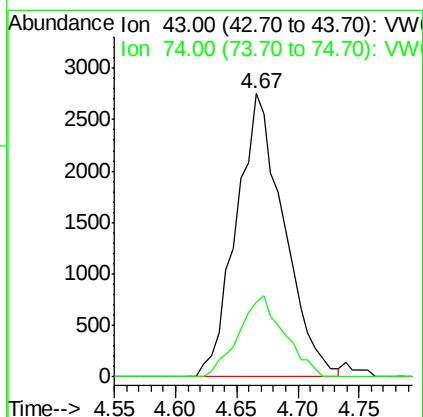
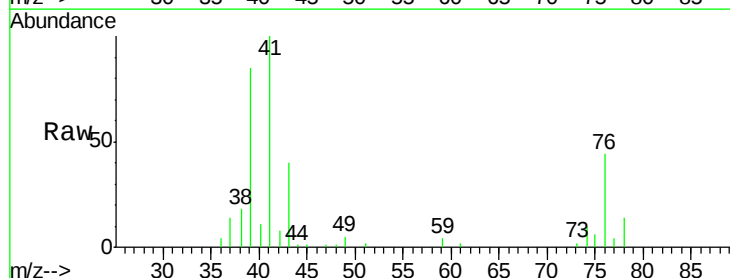
Acq: 20 Dec 2018 03:48

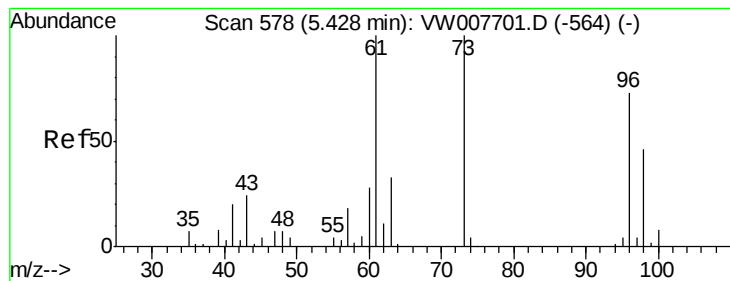
Tgt Ion: 43 Resp: 7441

Ion Ratio Lower Upper

43 100

74 27.3 22.7 34.1





#19

Methyl tert-butyl Ether

Concen: 22.550 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

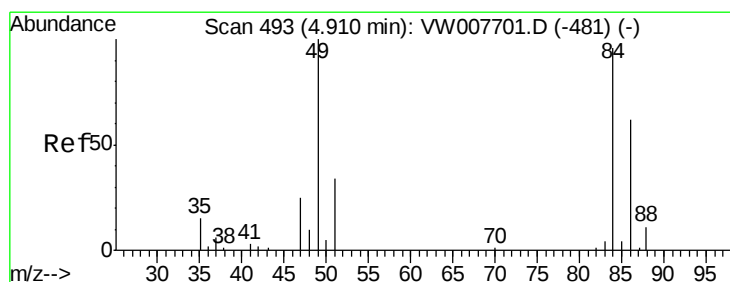
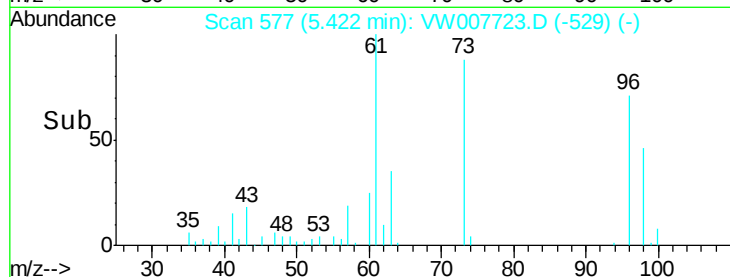
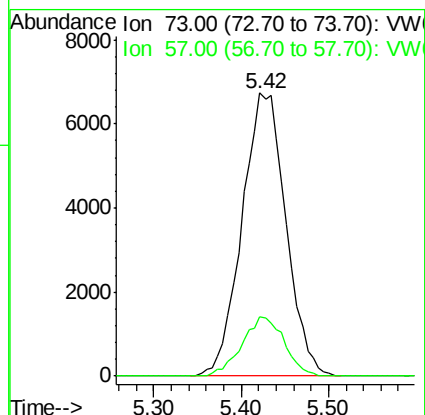
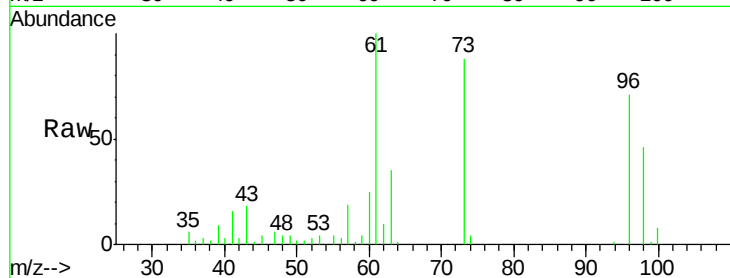
VW1221SBS02

Tgt Ion: 73 Resp: 23510

Ion Ratio Lower Upper

73 100

57 21.0 14.7 22.1



#20

Methylene Chloride

Concen: 22.379 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Tgt Ion: 84 Resp: 19539

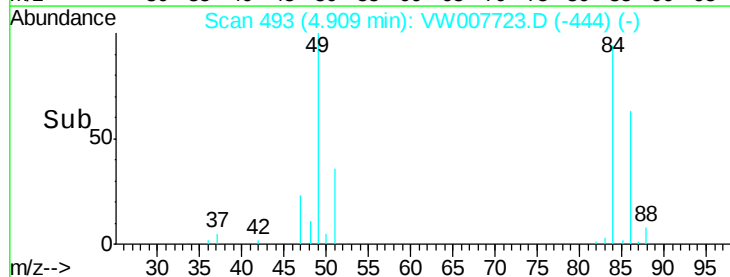
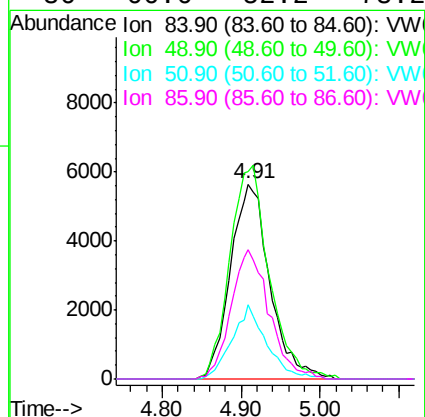
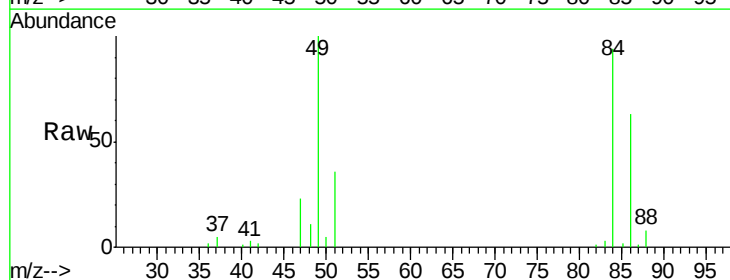
Ion Ratio Lower Upper

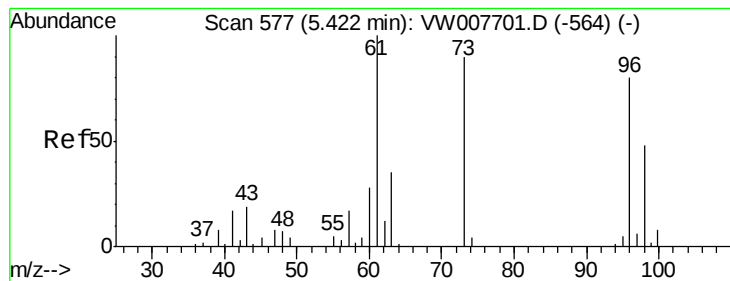
84 100

49 106.3 83.7 125.5

51 37.9 28.2 42.2

86 66.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.238 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

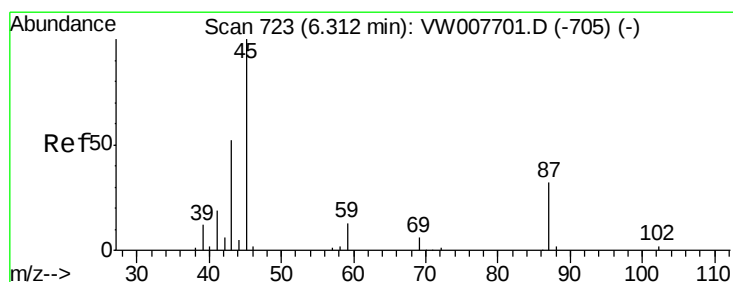
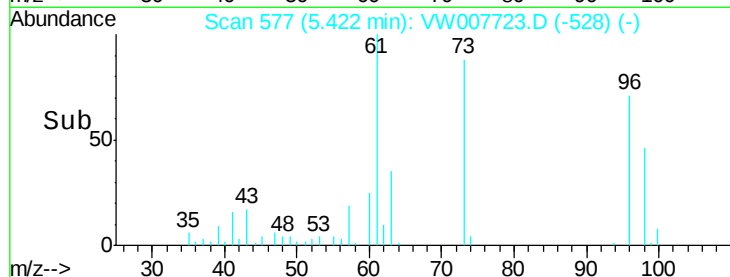
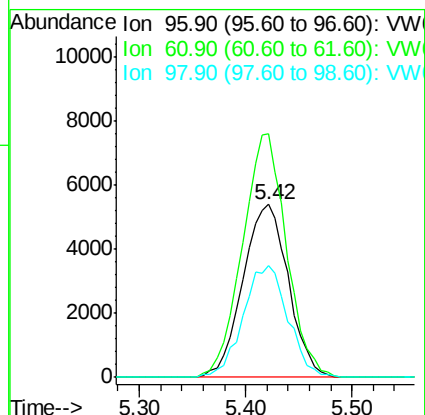
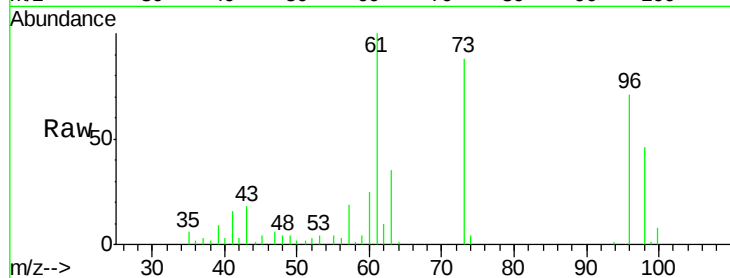
Tgt Ion: 96 Resp: 16164

Ion Ratio Lower Upper

96 100

61 140.9 100.1 150.1

98 64.5 48.5 72.7



#22

Diisopropyl ether

Concen: 22.568 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Tgt Ion: 45 Resp: 40243

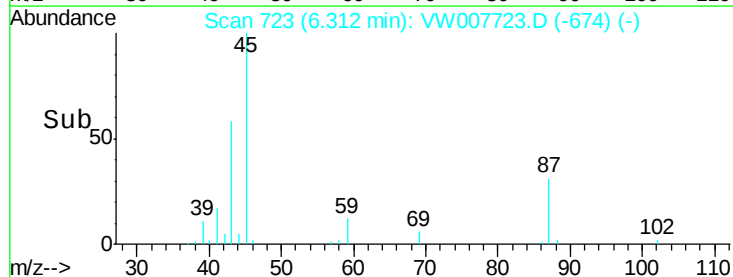
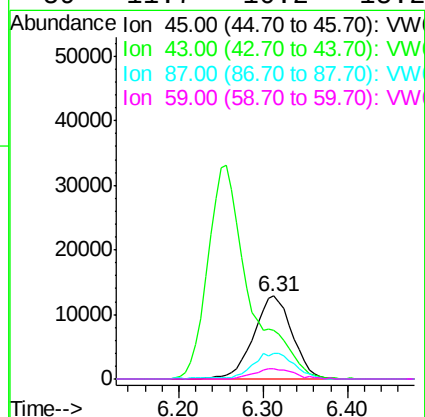
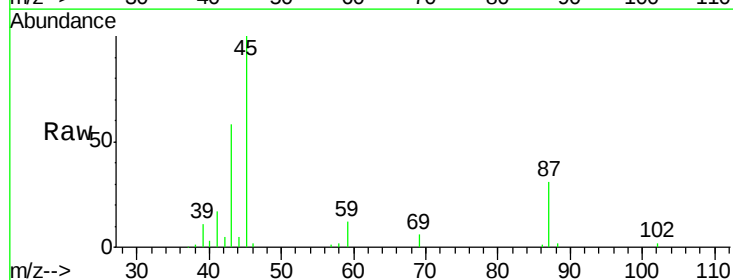
Ion Ratio Lower Upper

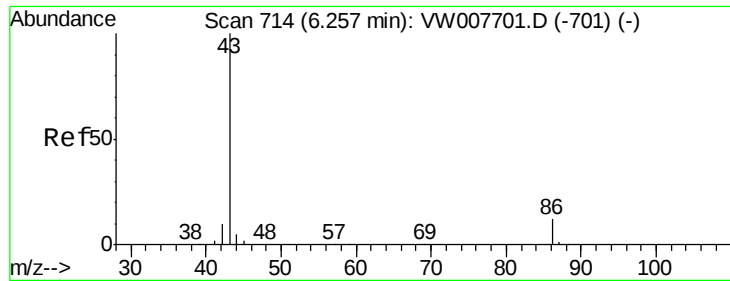
45 100

43 57.5 43.7 65.5

87 31.3 26.6 40.0

59 11.7 10.2 15.2

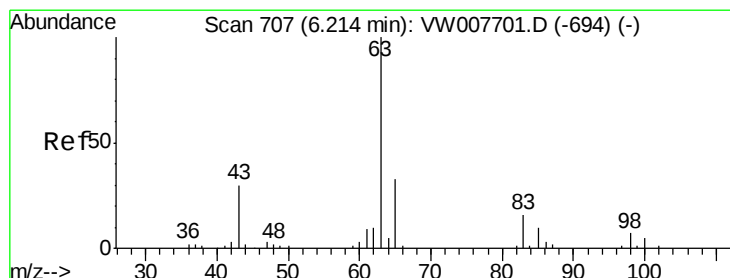
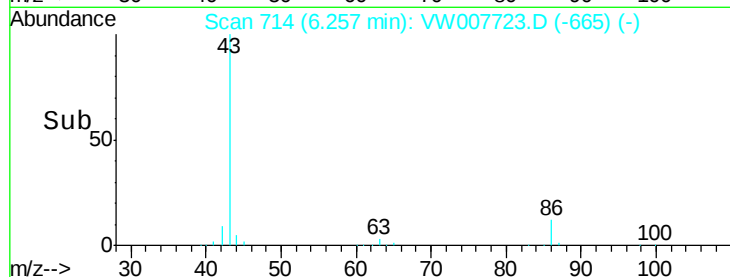
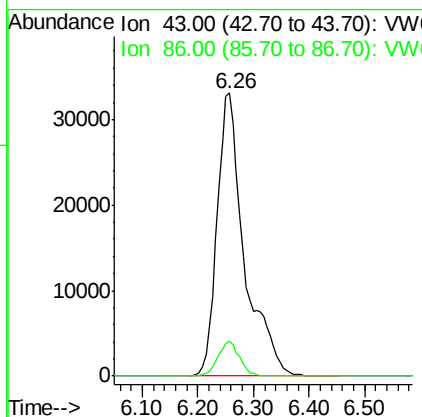
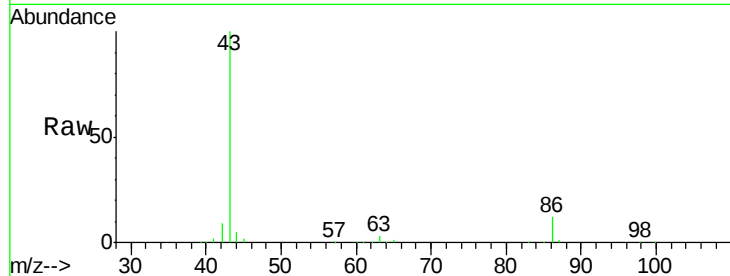




#23
 Vinyl Acetate
 Concen: 106.063 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

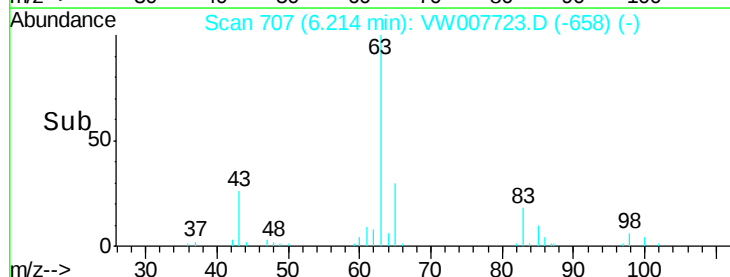
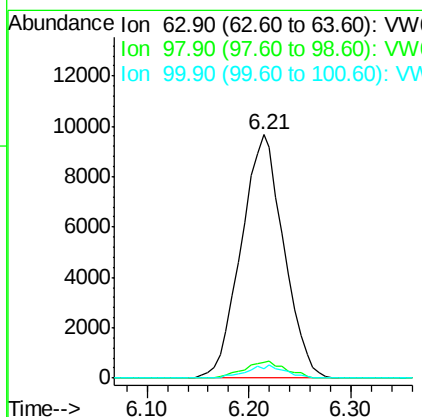
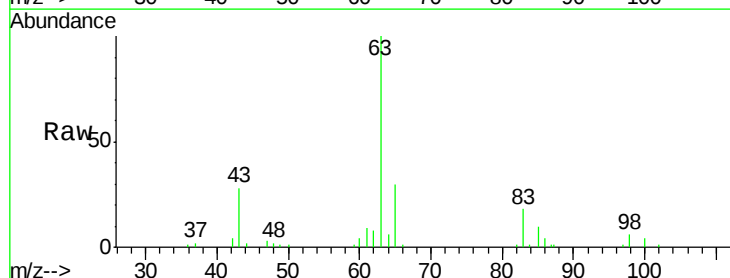
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

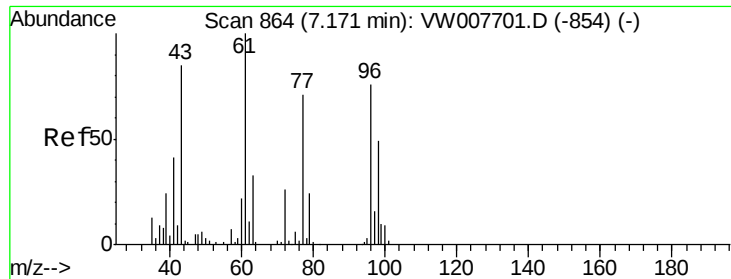
Tgt Ion: 43 Resp: 112367
 Ion Ratio Lower Upper
 43 100
 86 12.3 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 21.338 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion: 63 Resp: 27991
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.6 10.9
 100 3.8 2.5 7.5





#25

2-Butanone

Concen: 97.746 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

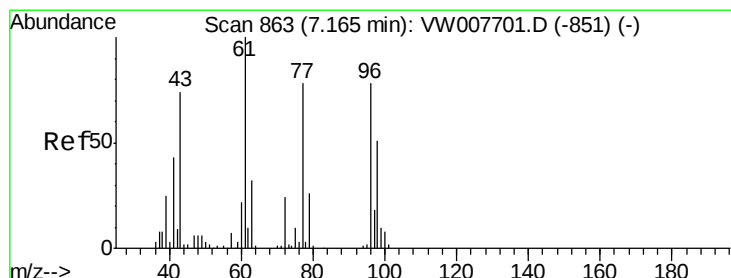
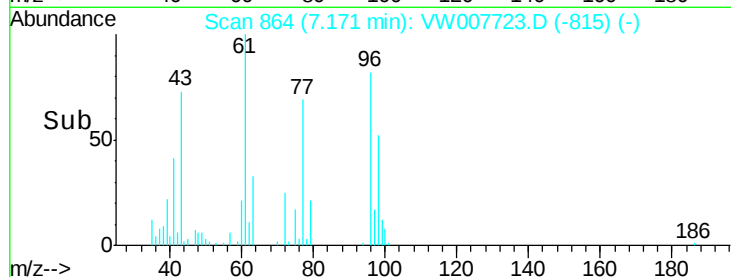
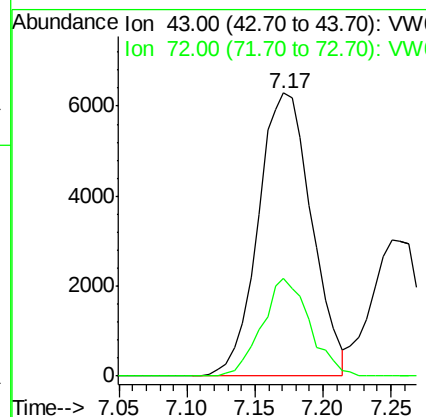
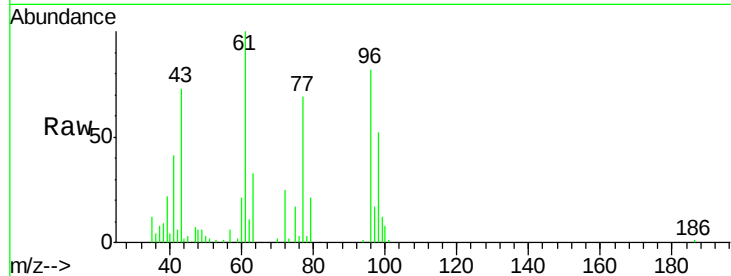
VW1221SBS02

Tgt Ion: 43 Resp: 17296

Ion Ratio Lower Upper

43 100

72 34.4 24.5 36.7



#26

2,2-Dichloropropane

Concen: 18.842 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007723.D

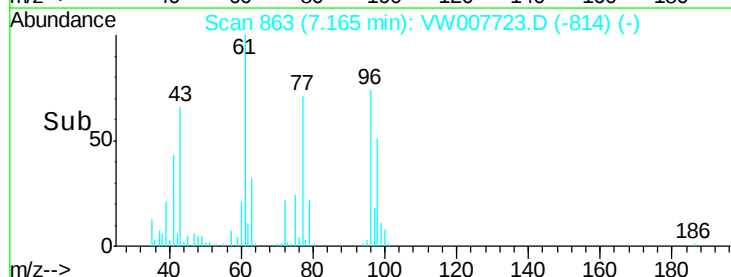
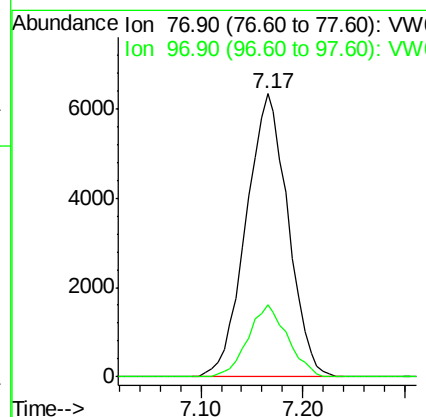
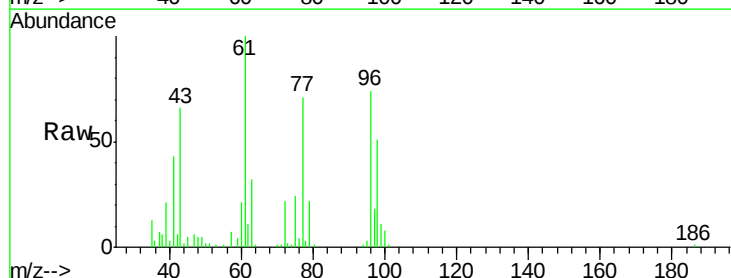
Acq: 20 Dec 2018 03:48

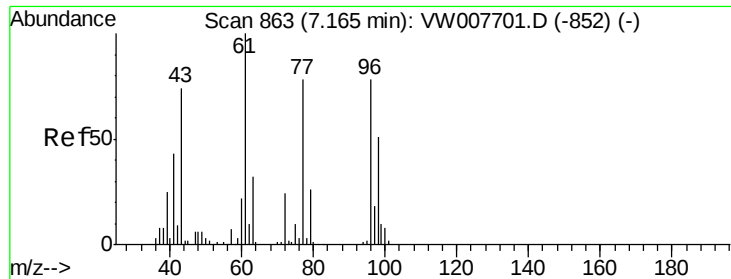
Tgt Ion: 77 Resp: 18087

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.9



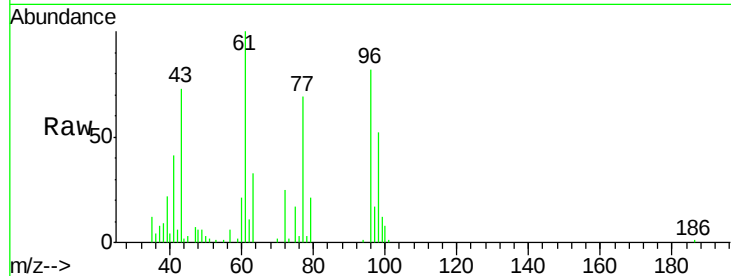


#27

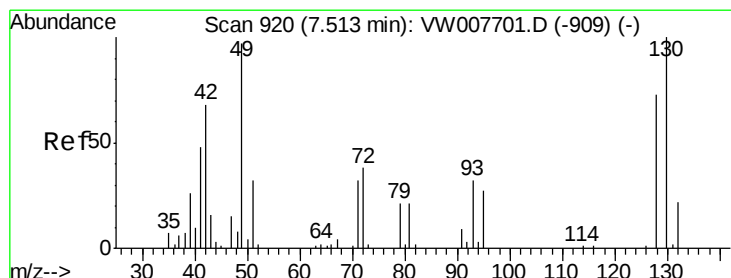
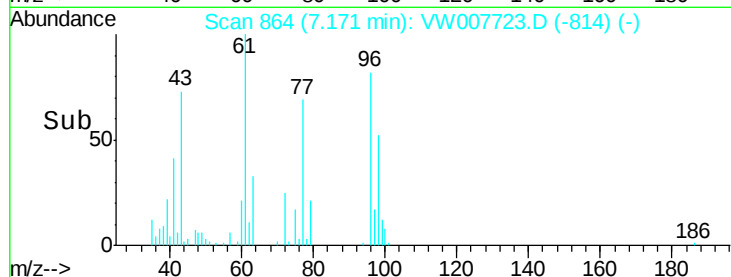
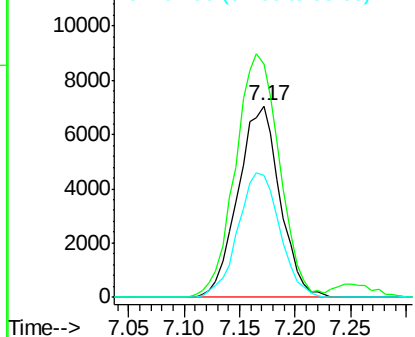
cis-1,2-Dichloroethene
 Concen: 21.645 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

Tgt Ion: 96 Resp: 18418
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 271.6
 98 65.2 0.0 131.2



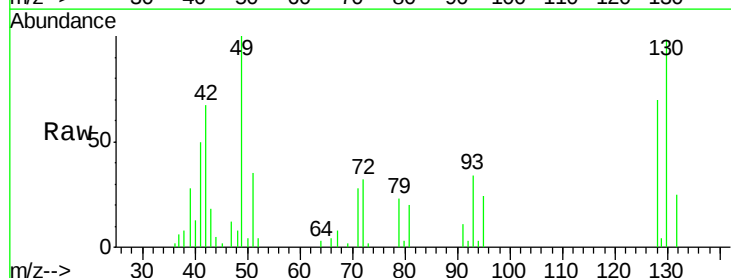
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



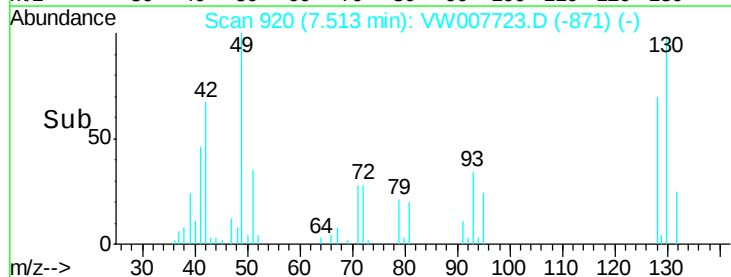
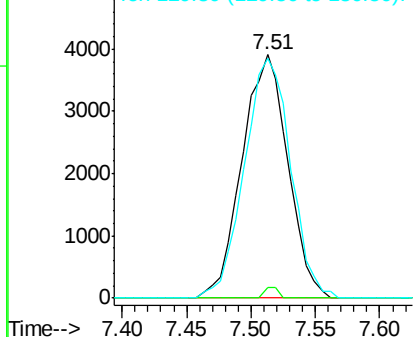
#28

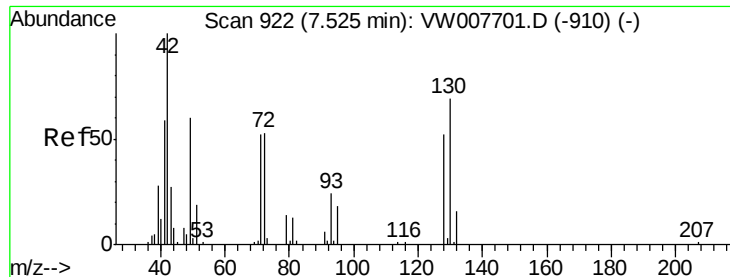
Bromochloromethane
 Concen: 21.567 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion: 49 Resp: 9646
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 2.2
 130 99.4 81.5 122.3



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

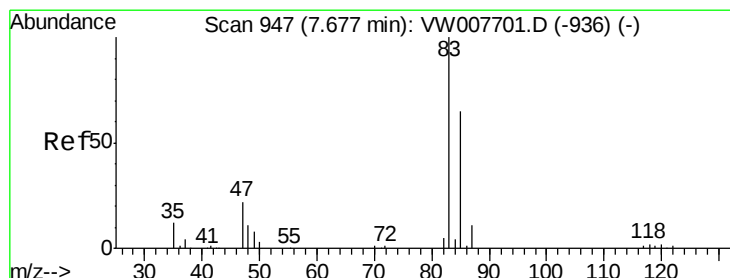
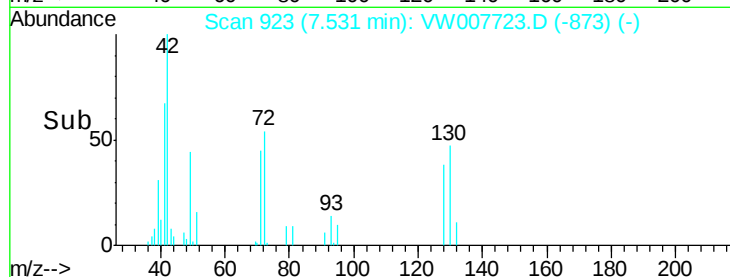
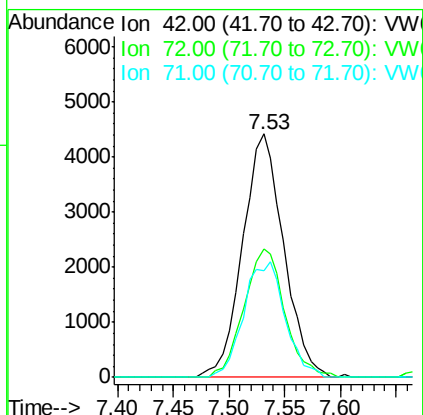
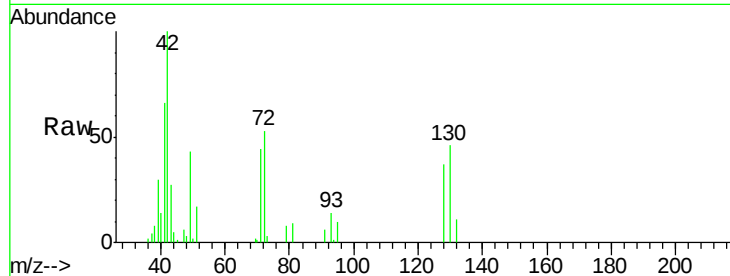




#29
Tetrahydrofuran
Concen: 107.535 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

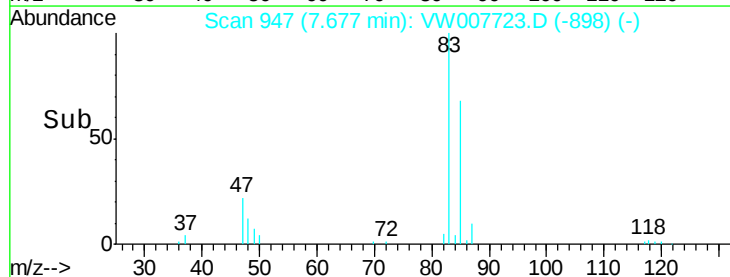
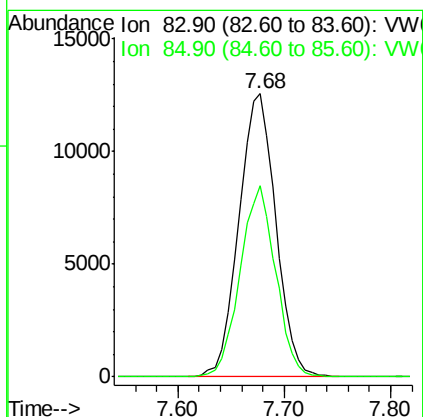
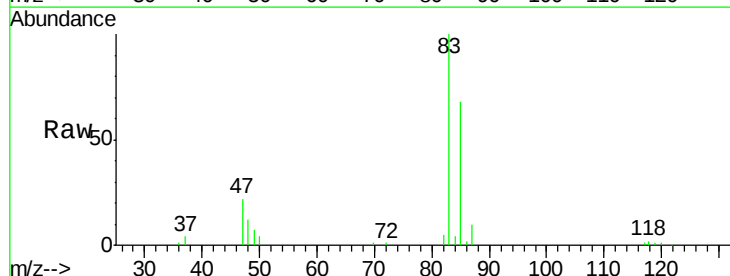
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

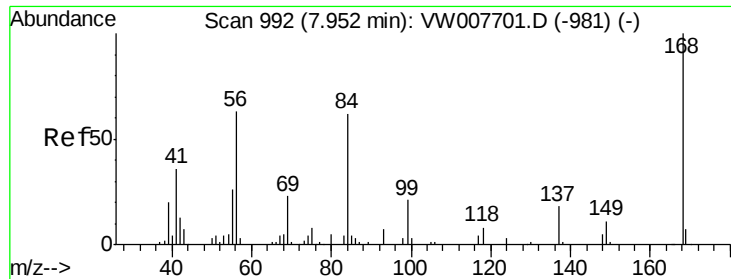
Tgt Ion: 42 Resp: 11350
Ion Ratio Lower Upper
42 100
72 52.2 41.7 62.5
71 47.5 39.0 58.6



#30
Chloroform
Concen: 20.629 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 83 Resp: 30625
Ion Ratio Lower Upper
83 100
85 67.7 52.2 78.2

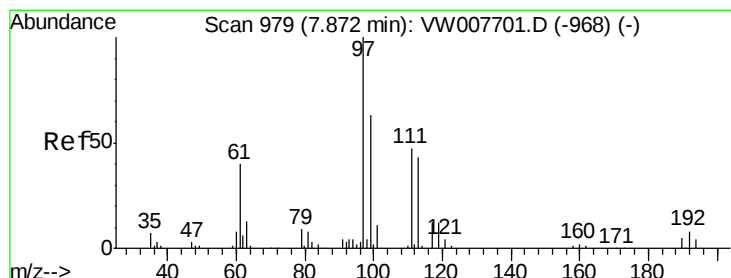
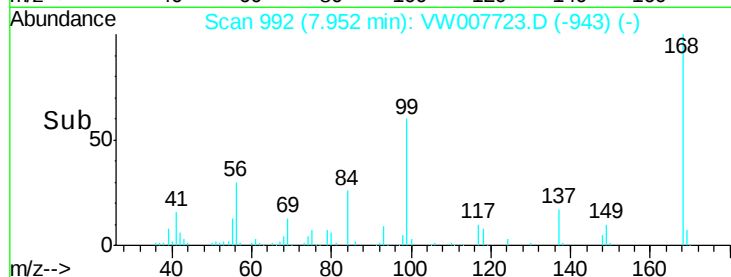
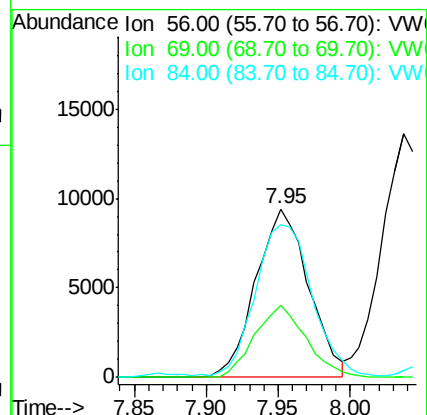
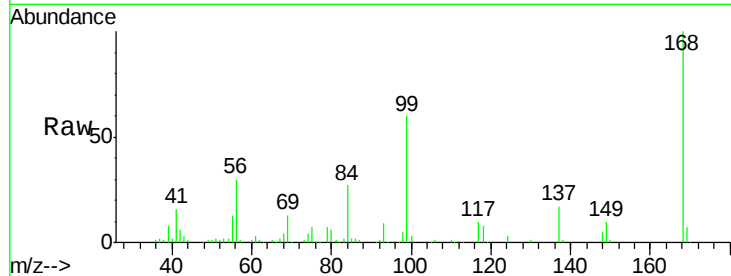




#31
Cyclohexane
Concen: 19.929 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

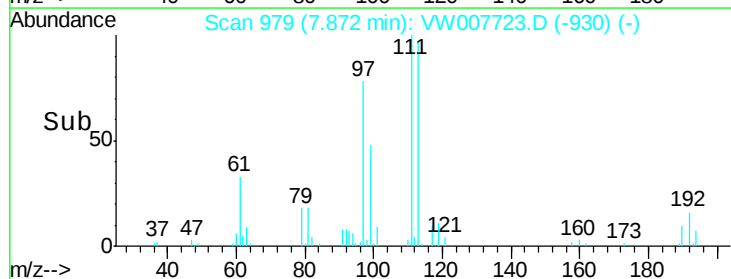
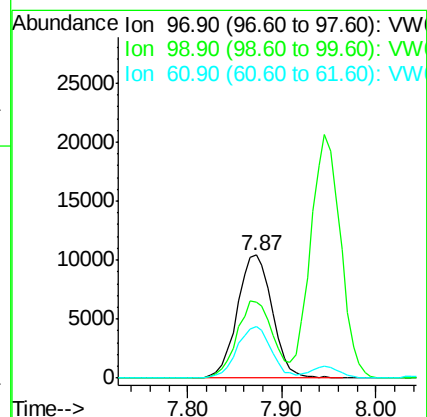
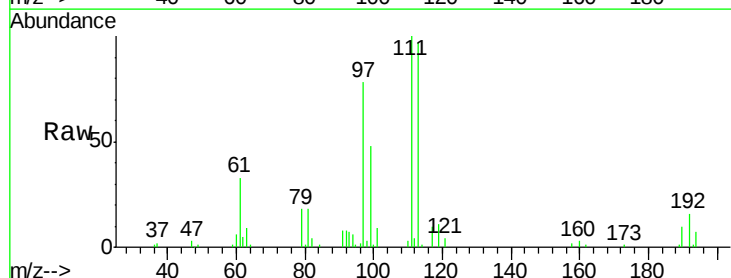
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

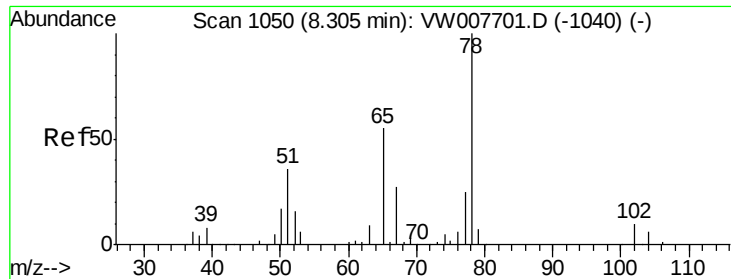
Tgt Ion: 56 Resp: 23933
Ion Ratio Lower Upper
56 100
69 42.6 29.7 44.5
84 90.0 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 19.982 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 97 Resp: 27017
Ion Ratio Lower Upper
97 100
99 64.5 50.6 76.0
61 41.0 32.3 48.5

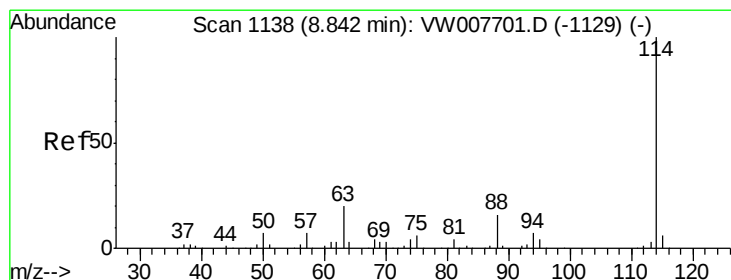
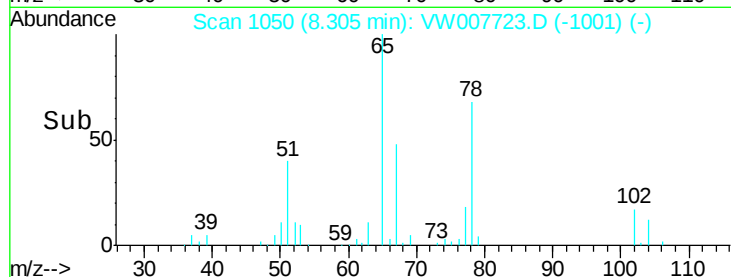
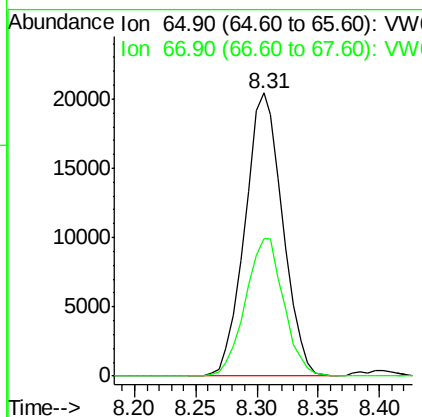
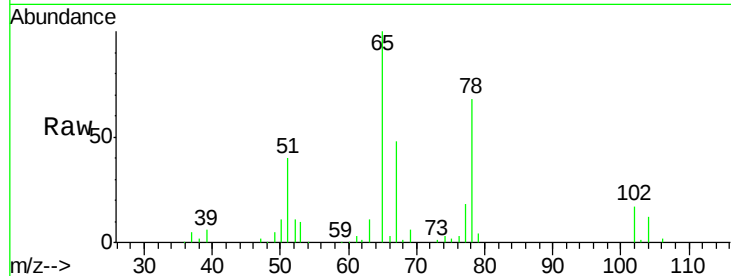




#33
 1,2-Dichloroethane-d4
 Concen: 54.336 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

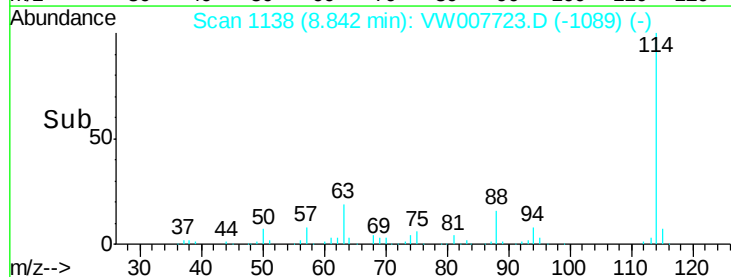
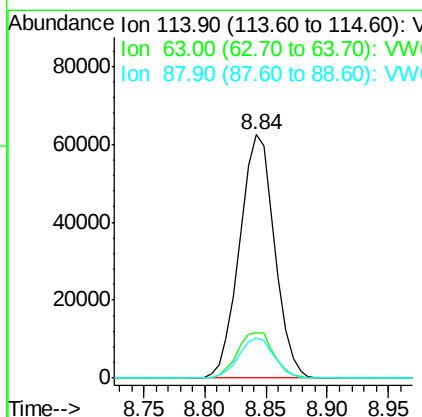
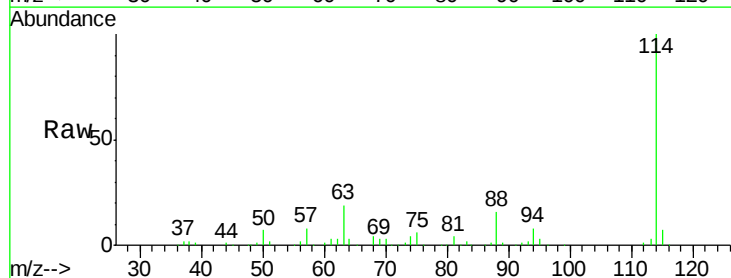
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

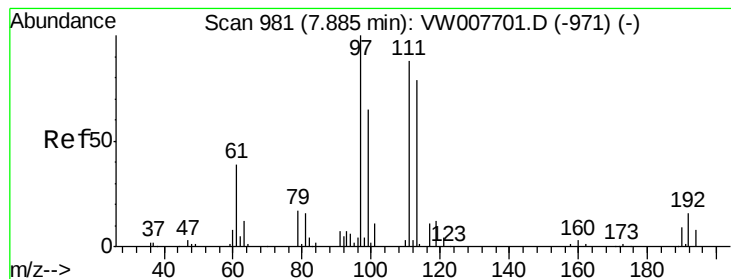
Tgt Ion: 65 Resp: 43835
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion: 114 Resp: 124045
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.0
 88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.668 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

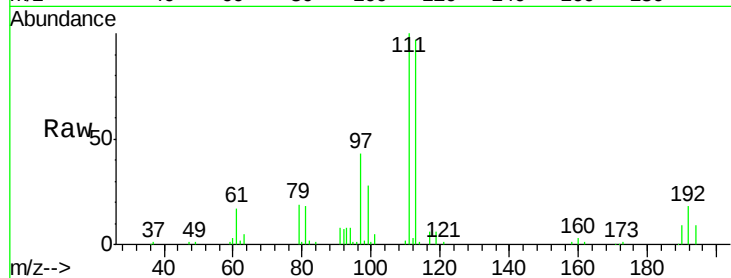
Tgt Ion: 113 Resp: 39856

Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

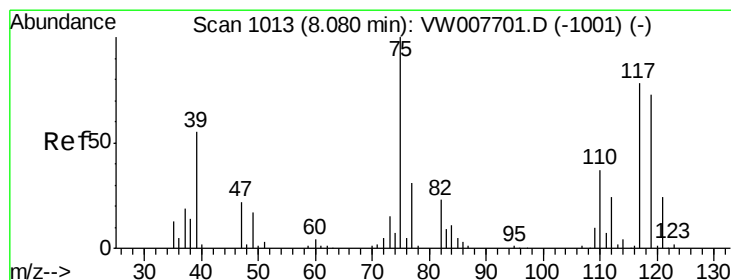
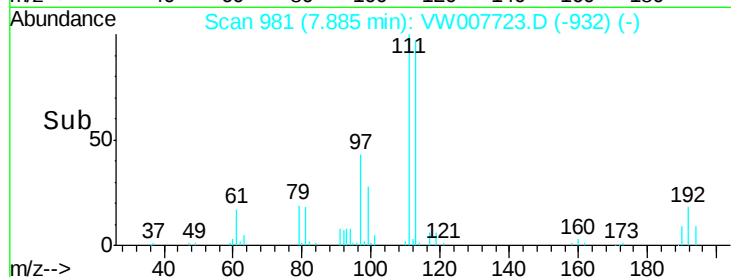
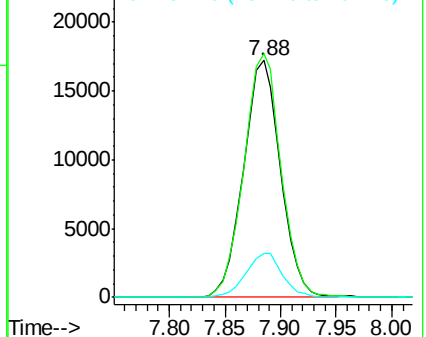
192 18.4 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.081 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

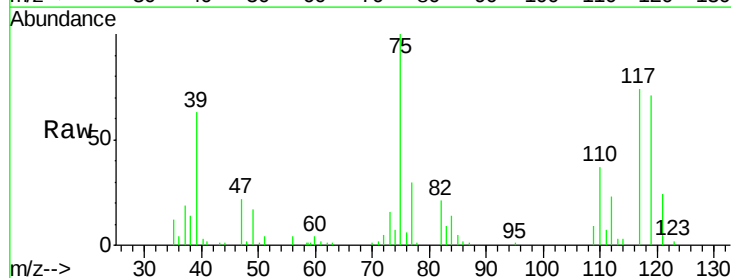
Tgt Ion: 75 Resp: 22845

Ion Ratio Lower Upper

75 100

110 36.6 18.6 55.8

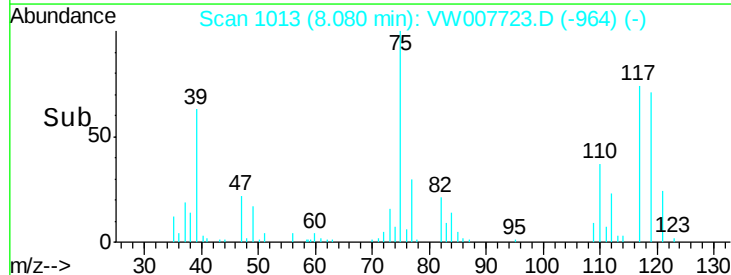
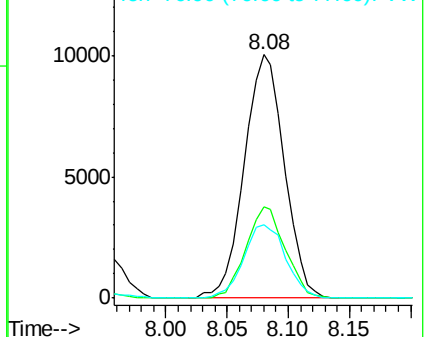
77 32.0 25.0 37.4

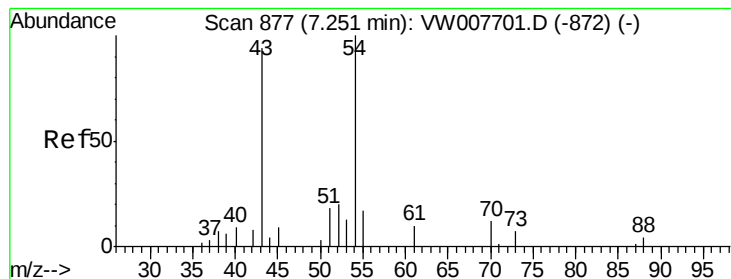


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 19.516 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

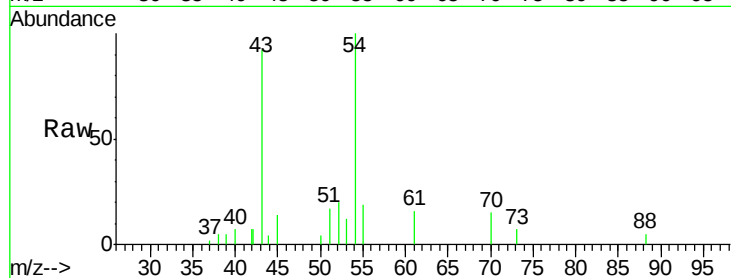
Tgt Ion: 43 Resp: 8064

Ion Ratio Lower Upper

43 100

61 15.2 11.2 16.8

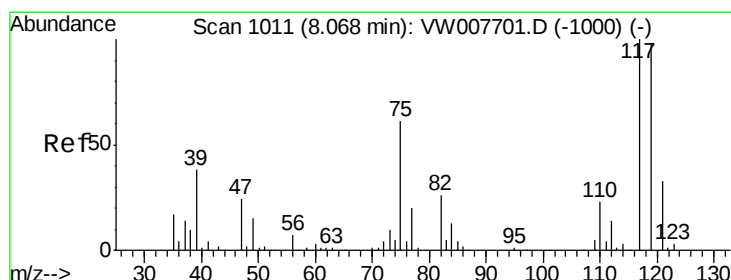
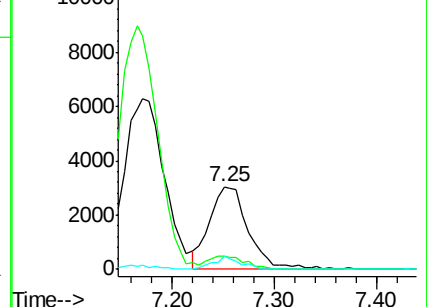
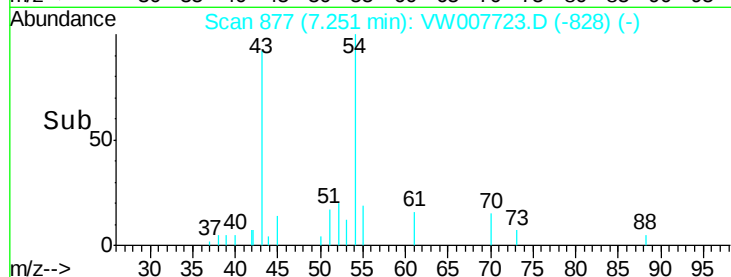
70 11.2 9.3 13.9



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: 17.850 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

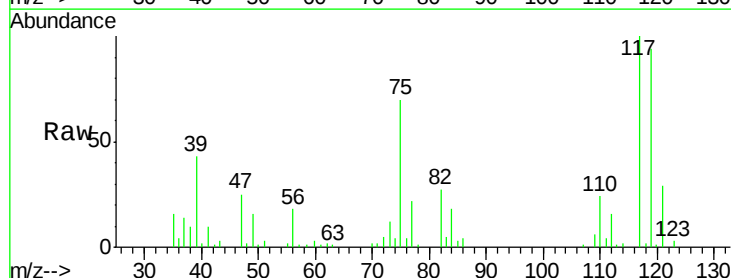
Tgt Ion: 117 Resp: 25168

Ion Ratio Lower Upper

117 100

119 93.8 78.2 117.2

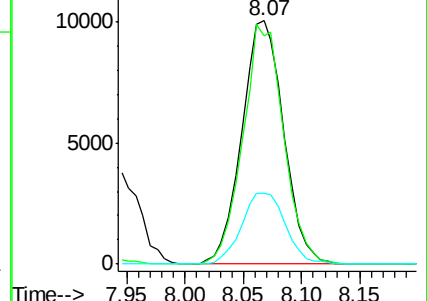
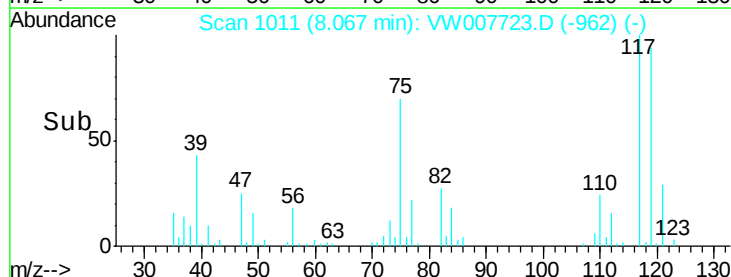
121 29.2 26.1 39.1



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

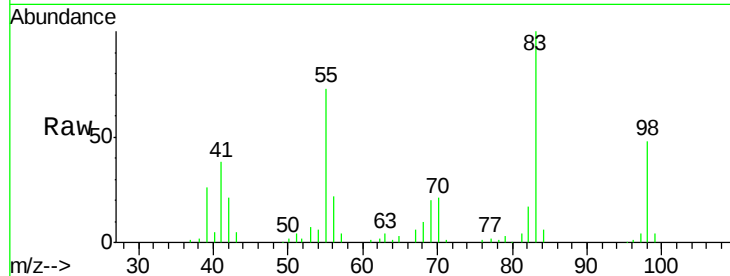




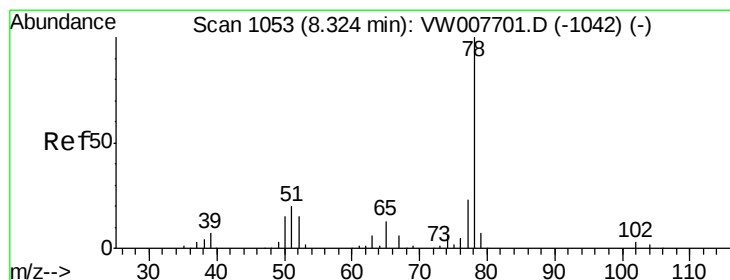
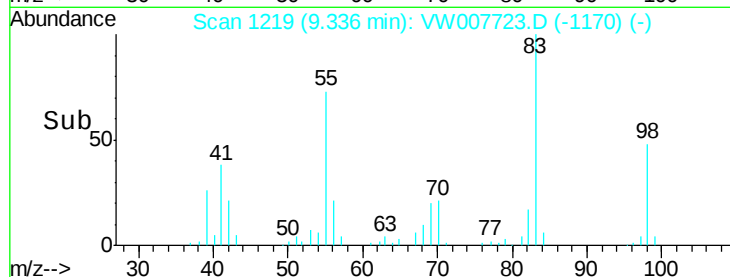
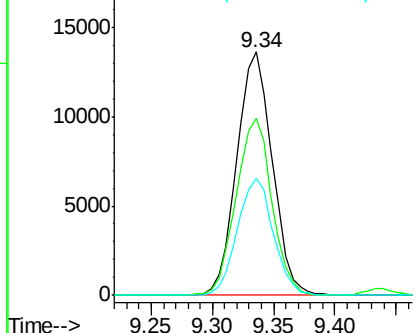
#39
Methylcyclohexane
Concen: 18.439 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

Tgt Ion: 83 Resp: 27432
Ion Ratio Lower Upper
83 100
55 72.6 57.2 85.8
98 48.0 38.6 58.0

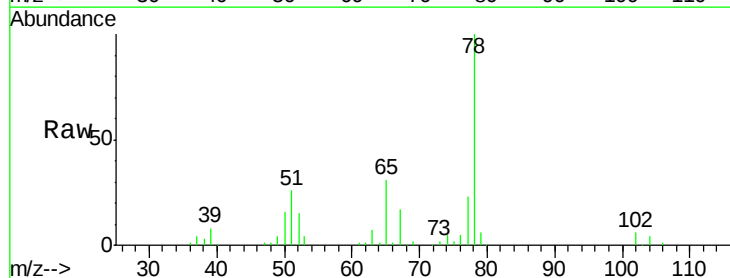


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

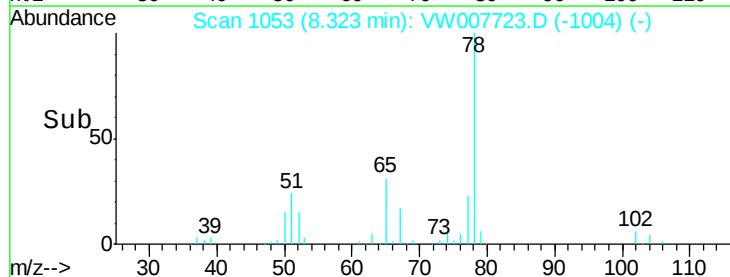
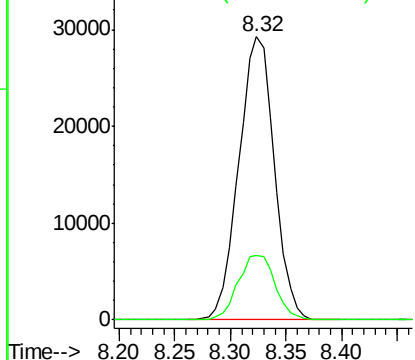


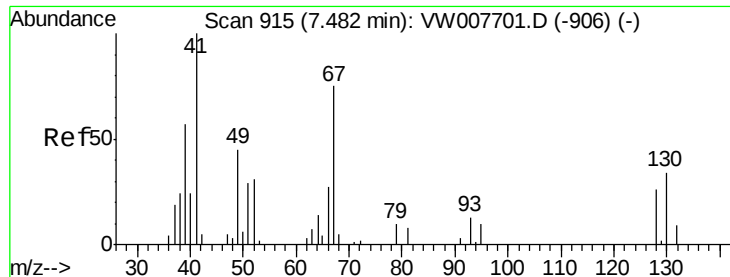
#40
Benzene
Concen: 20.285 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 78 Resp: 64807
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 22.541 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

Tgt Ion: 41 Resp: 5288

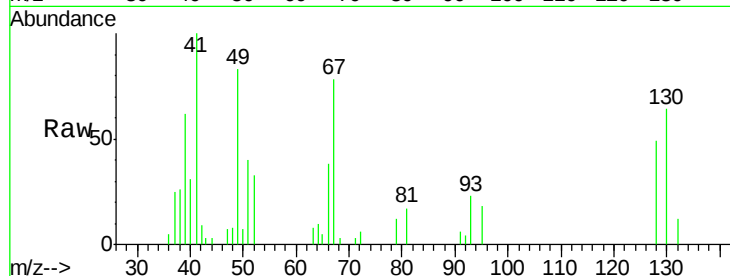
Ion Ratio Lower Upper

41 100

39 61.2 54.2 81.4

67 74.5 65.7 98.5

52 30.8 26.2 39.4

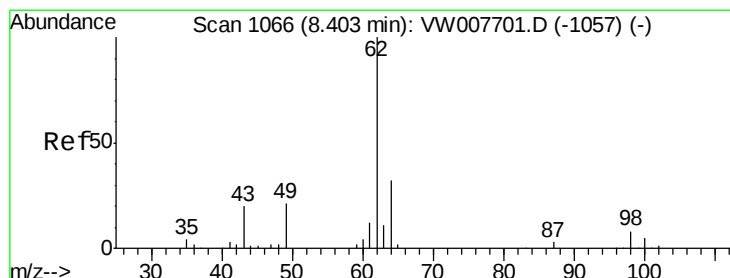
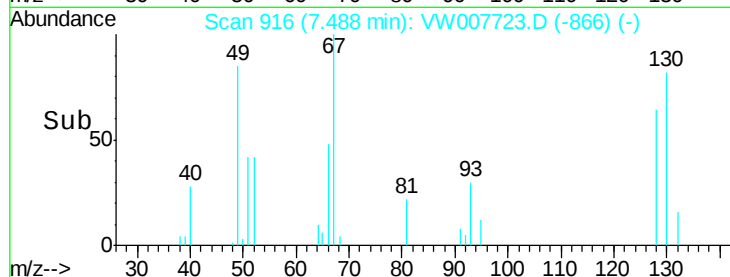
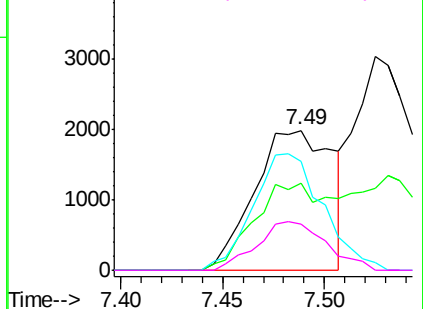


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 19.645 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW007723.D

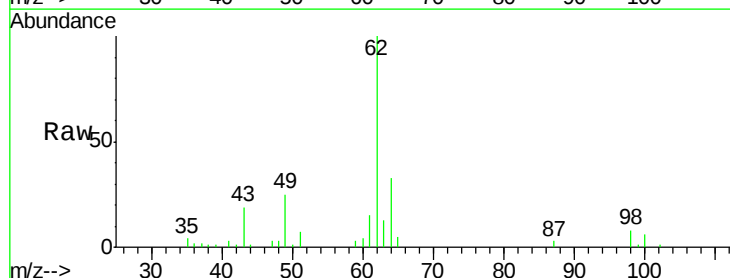
Acq: 20 Dec 2018 03:48

Tgt Ion: 62 Resp: 21033

Ion Ratio Lower Upper

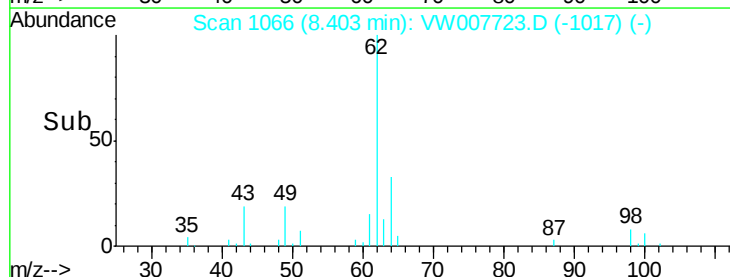
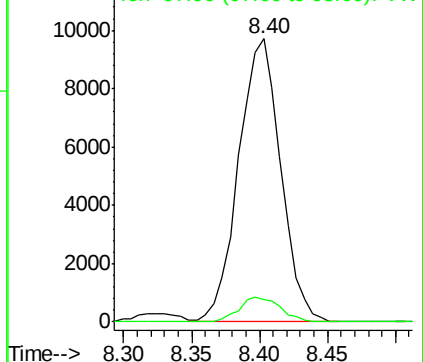
62 100

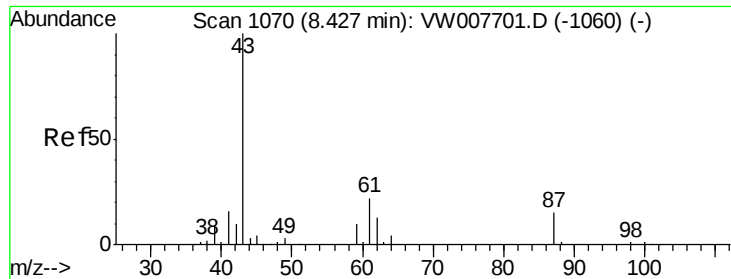
98 8.7 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.252 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

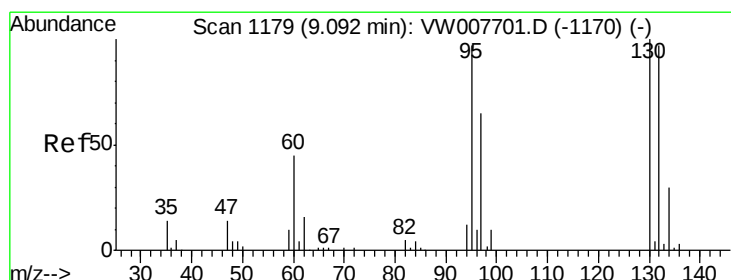
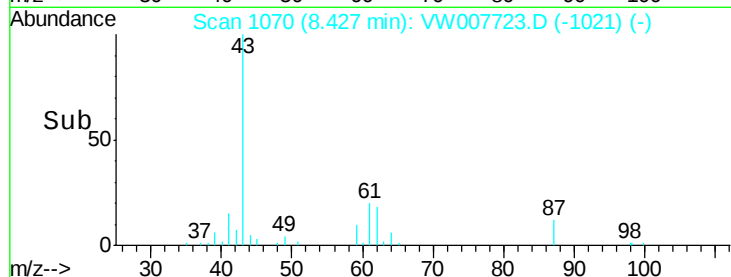
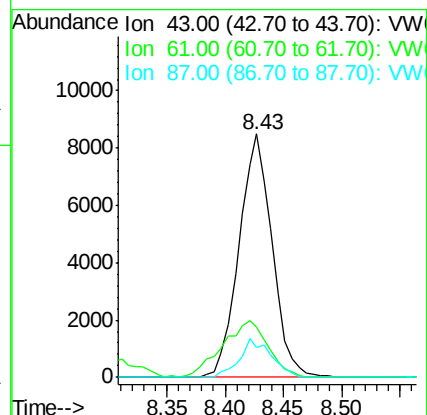
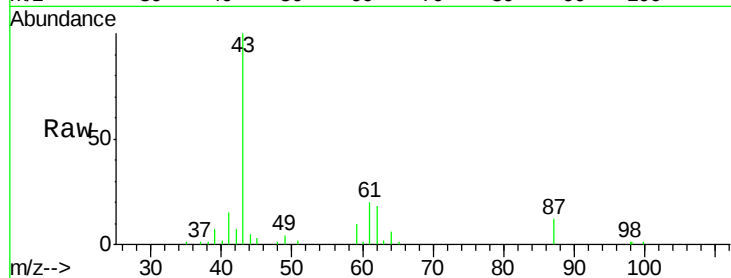
Tgt Ion: 43 Resp: 16765

Ion Ratio Lower Upper

43 100

61 32.3 26.3 39.5

87 15.2 12.0 18.0



#44

Trichloroethene

Concen: 19.453 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007723.D

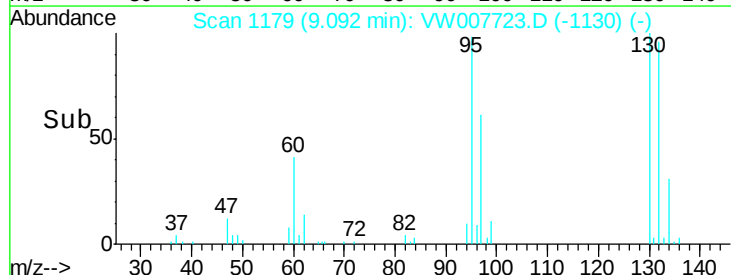
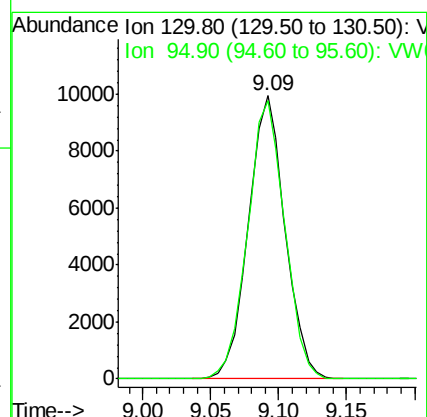
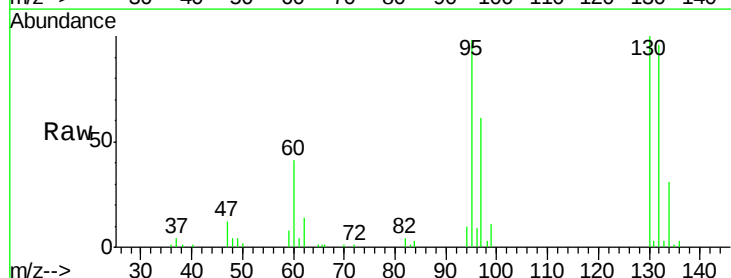
Acq: 20 Dec 2018 03:48

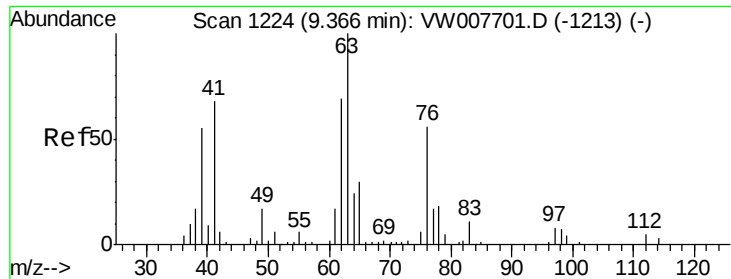
Tgt Ion: 130 Resp: 18795

Ion Ratio Lower Upper

130 100

95 98.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 21.223 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

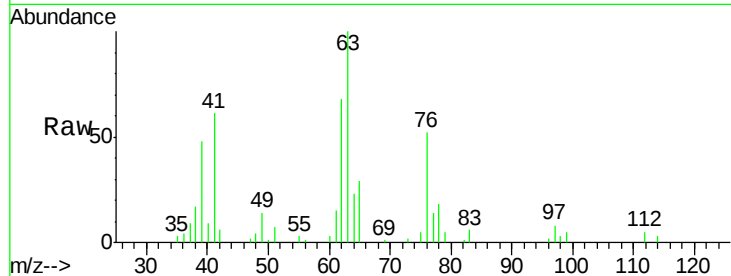
VW1221SBS02

Tgt Ion: 63 Resp: 15045

Ion Ratio Lower Upper

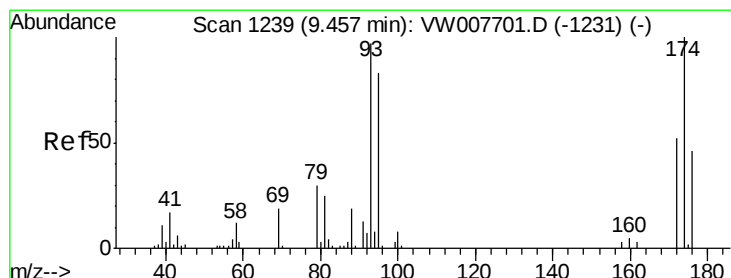
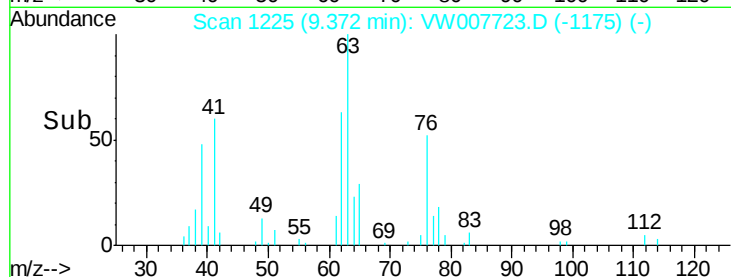
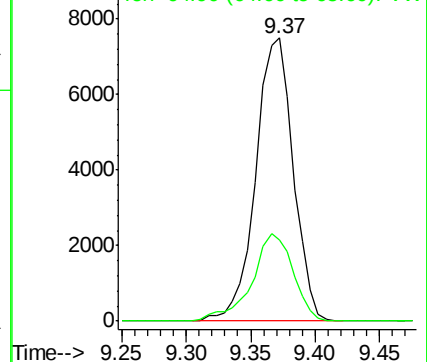
63 100

65 28.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.024 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

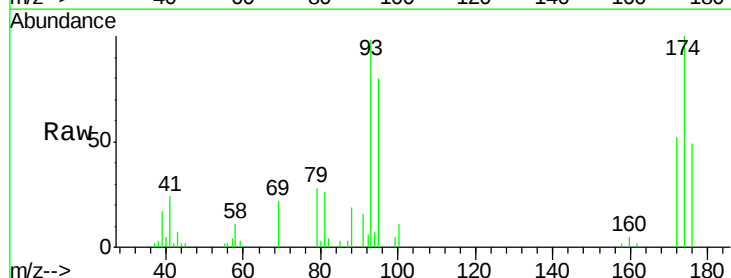
Tgt Ion: 93 Resp: 8738

Ion Ratio Lower Upper

93 100

95 83.0 67.5 101.3

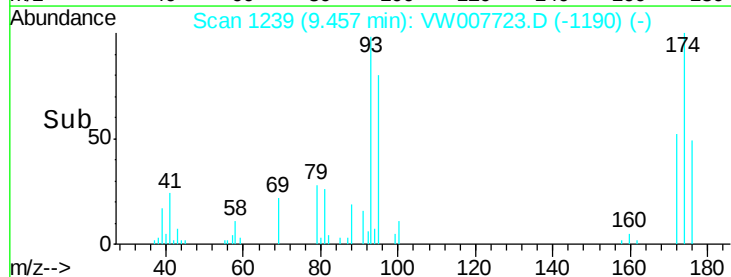
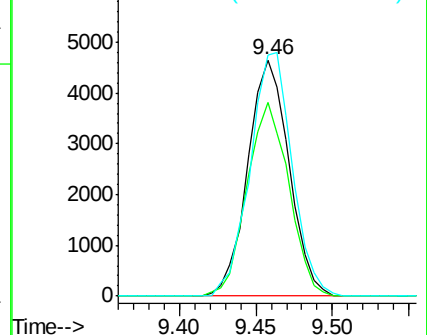
174 105.2 83.9 125.9

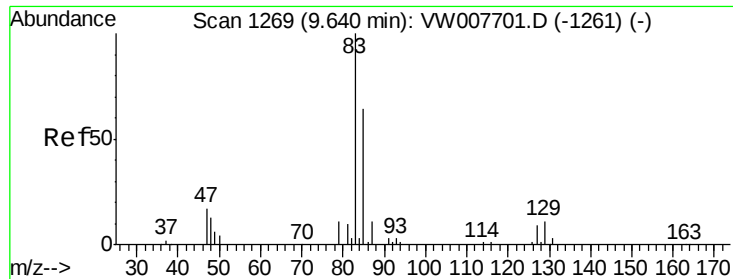


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

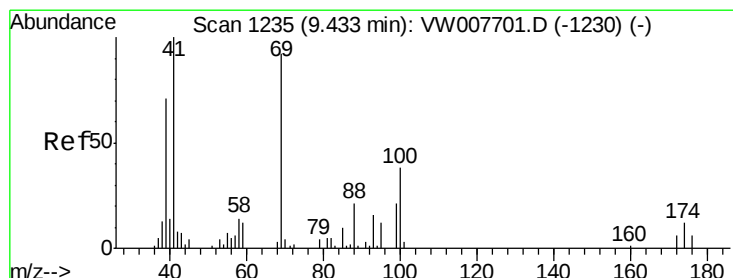
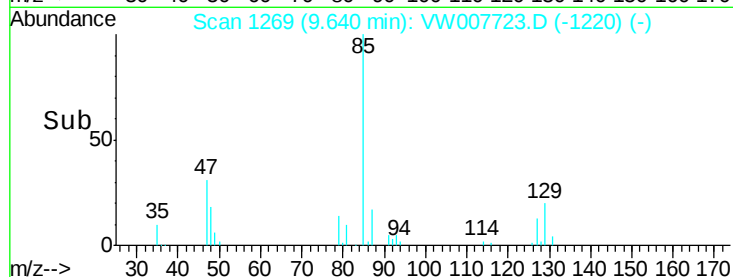
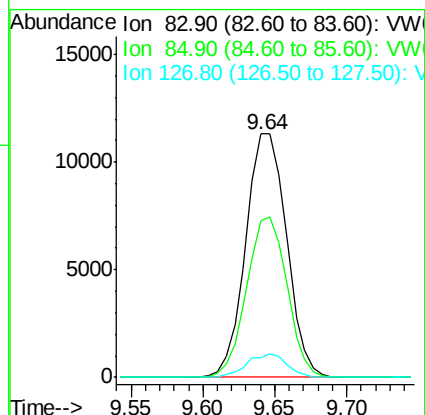
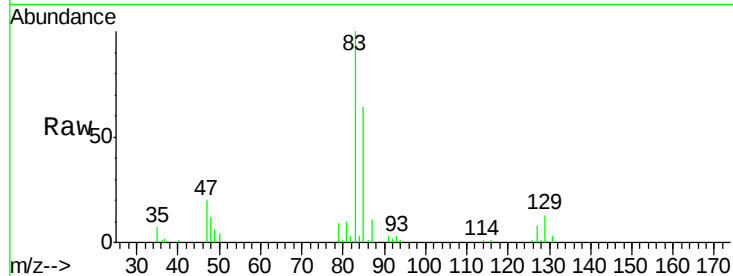




#47
Bromodichloromethane
Concen: 19.372 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

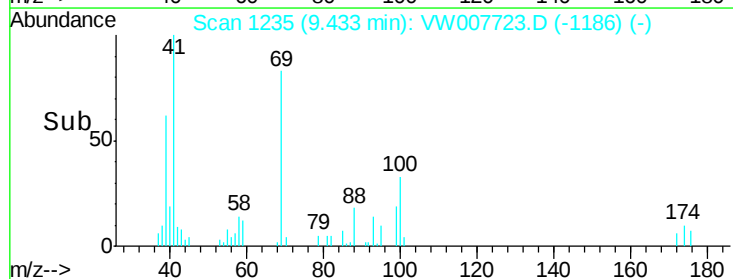
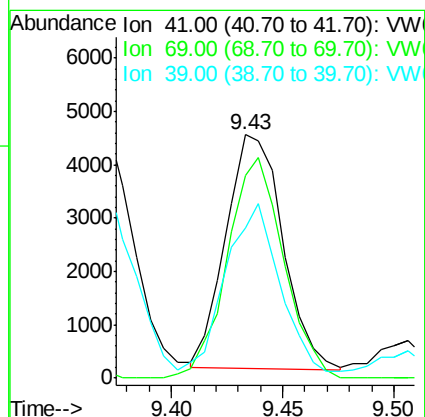
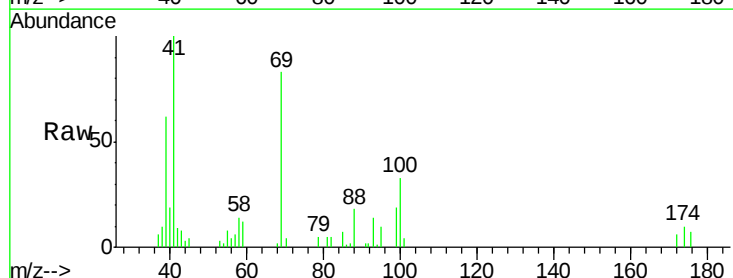
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

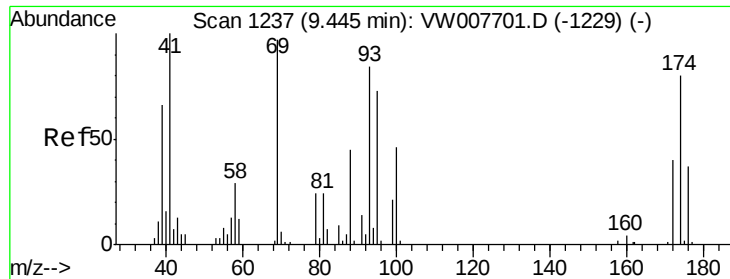
Tgt Ion: 83 Resp: 22224
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0
127 8.3 7.5 11.3



#48
Methyl methacrylate
Concen: 18.959 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 41 Resp: 7834
Ion Ratio Lower Upper
41 100
69 93.1 74.2 111.2
39 73.6 53.9 80.9

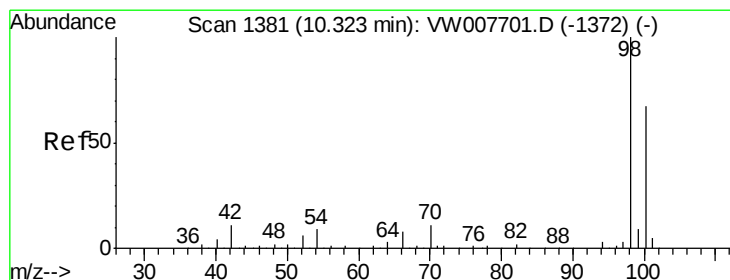
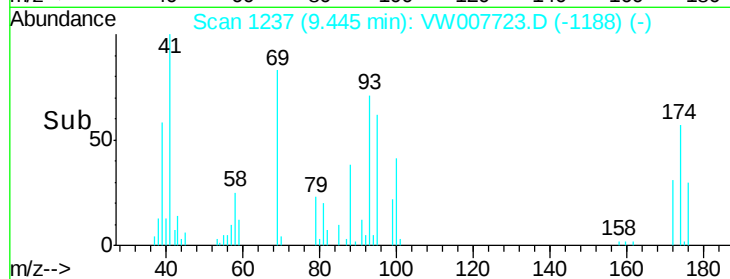
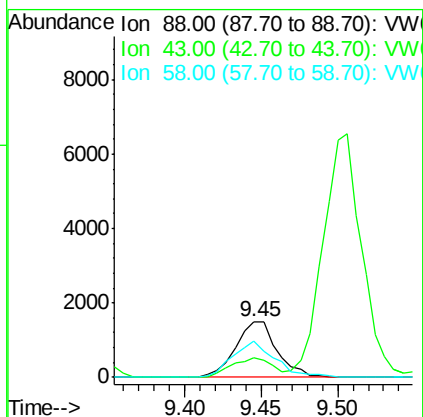
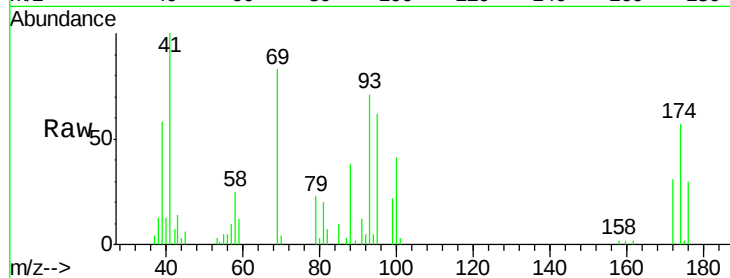




#49
 1,4-Dioxane
 Concen: 409.037 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

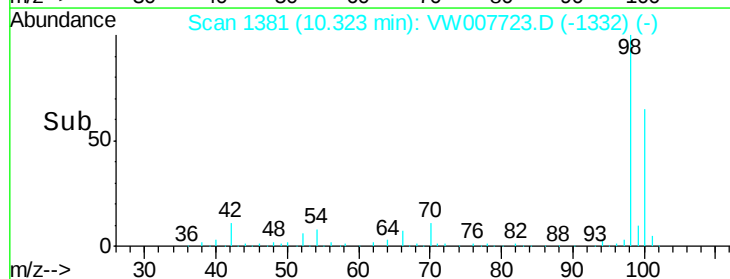
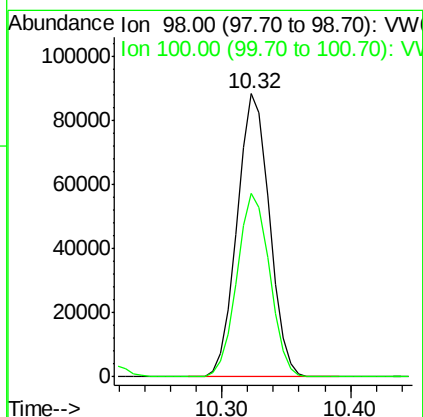
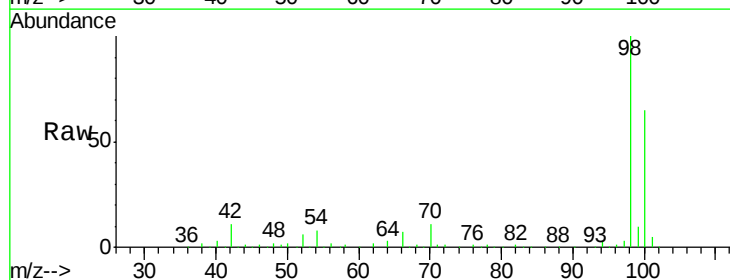
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

Tgt Ion: 88 Resp: 2830
 Ion Ratio Lower Upper
 88 100
 43 34.3 25.6 38.4
 58 67.0 52.3 78.5



#50
 Toluene-d8
 Concen: 53.947 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion: 98 Resp: 153899
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 99.351 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

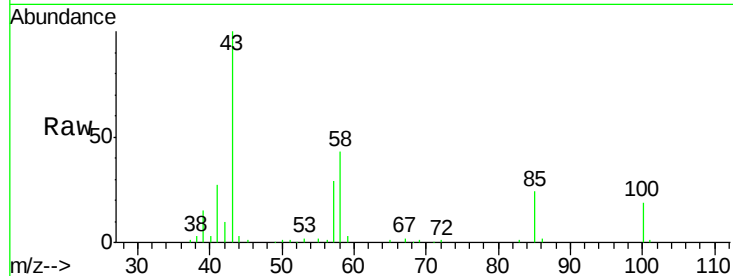
VW1221SBS02

Tgt Ion: 43 Resp: 38868

Ion Ratio Lower Upper

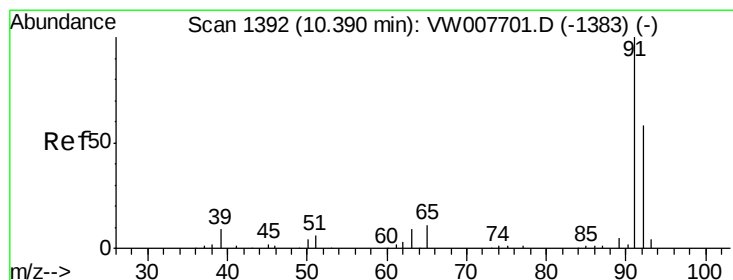
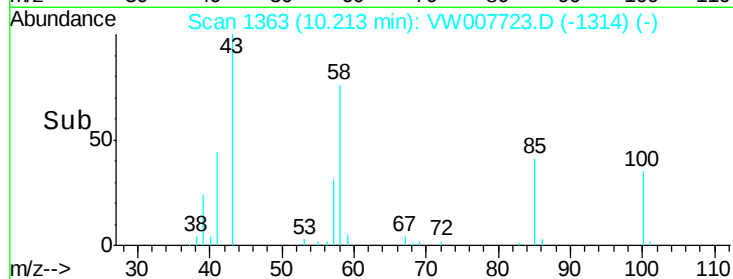
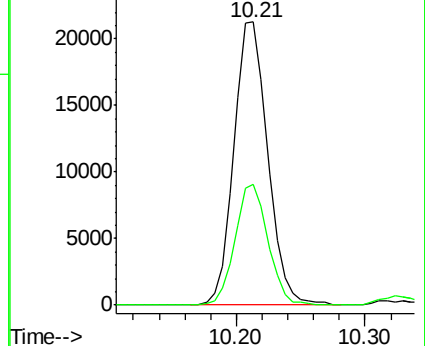
43 100

58 41.4 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.920 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007723.D

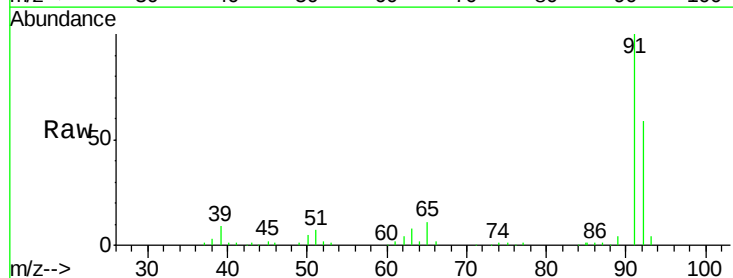
Acq: 20 Dec 2018 03:48

Tgt Ion: 92 Resp: 42700

Ion Ratio Lower Upper

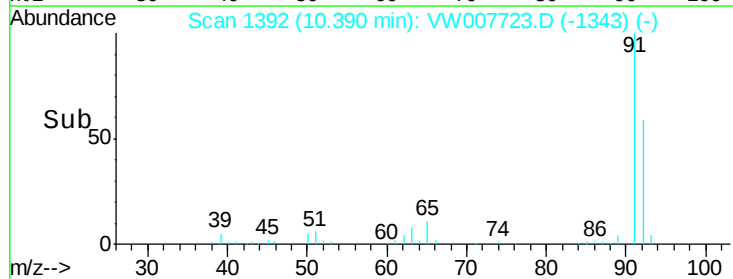
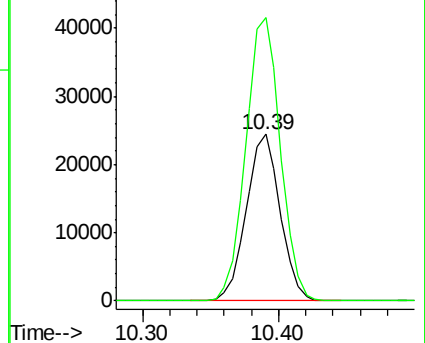
92 100

91 173.1 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.069 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampled :

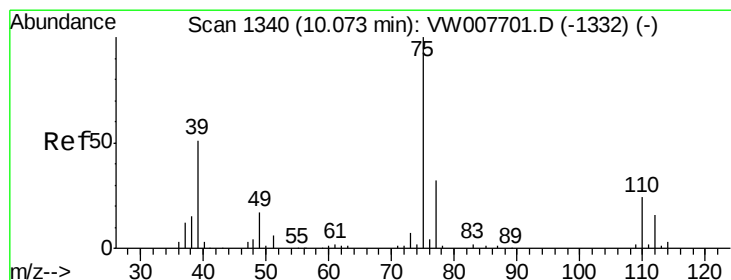
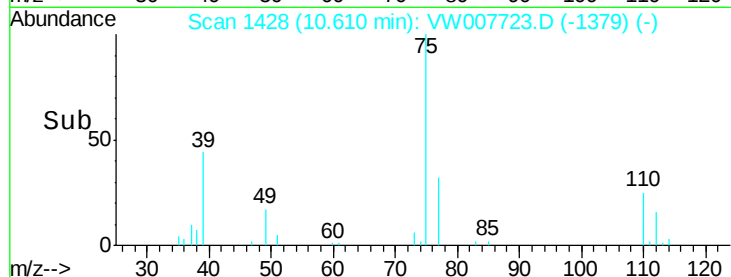
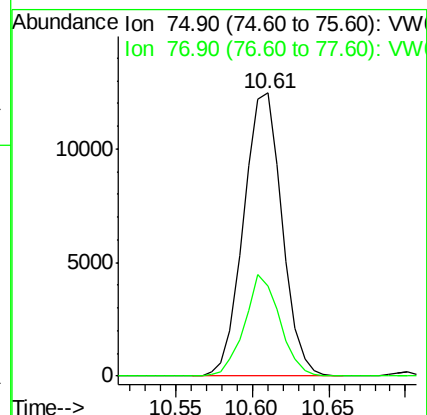
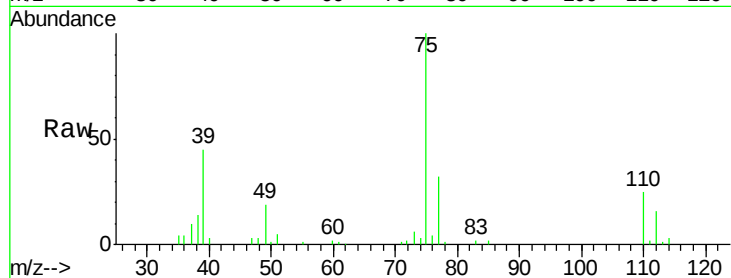
VW1221SBS02

Tgt Ion: 75 Resp: 21760

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.696 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

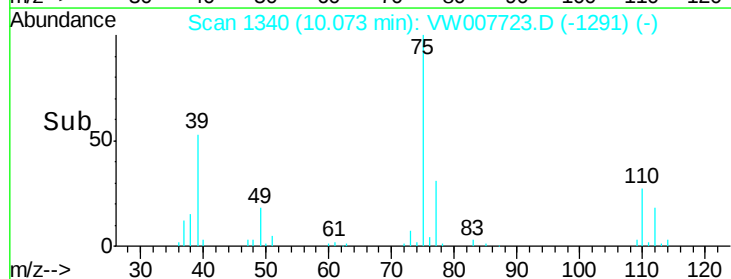
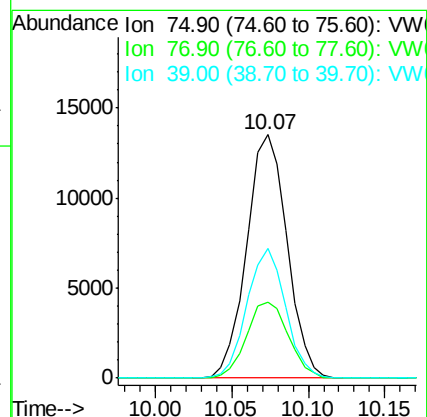
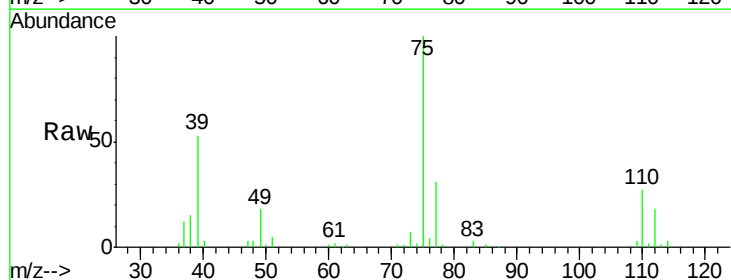
Tgt Ion: 75 Resp: 24825

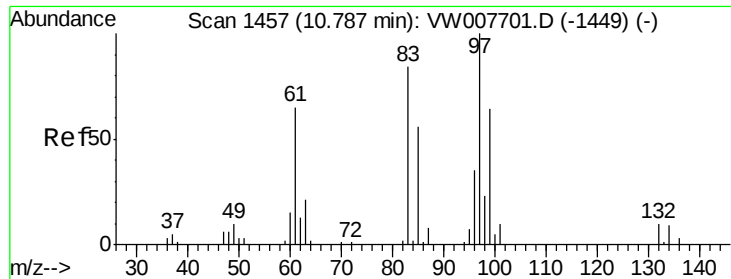
Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 53.0 41.2 61.8

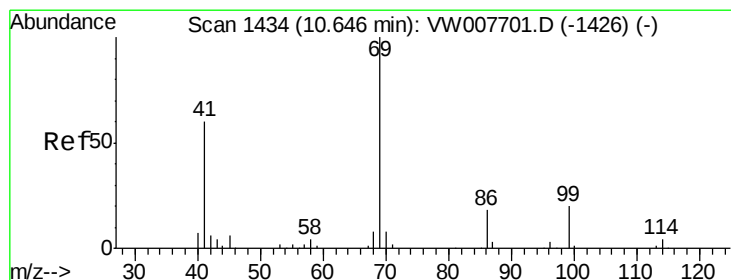
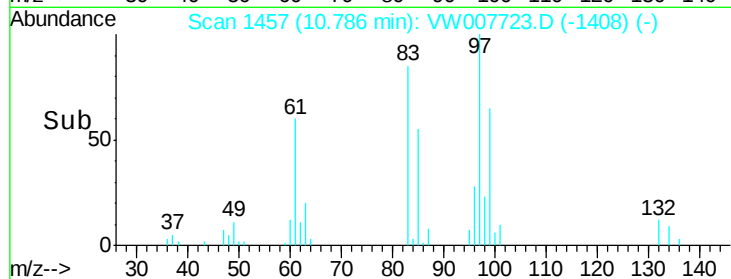
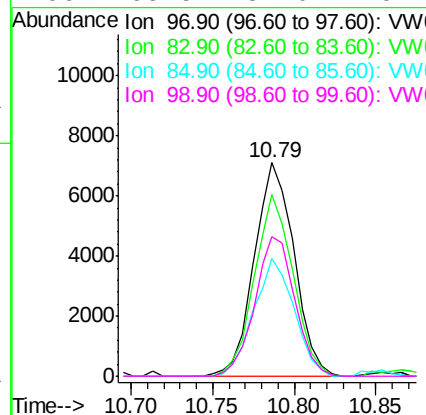
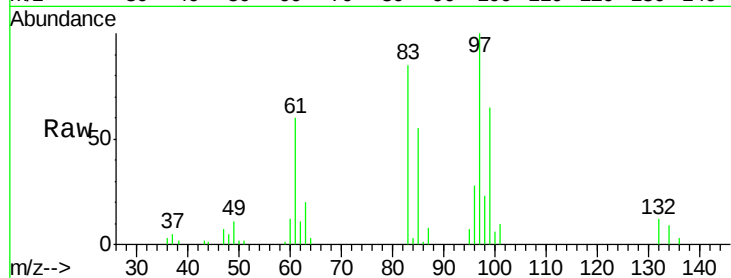




#55
 1,1,2-Trichloroethane
 Concen: 20.015 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

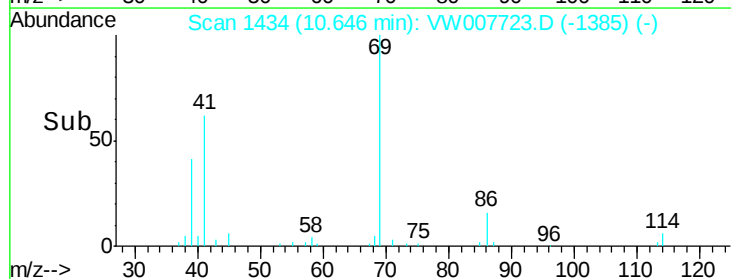
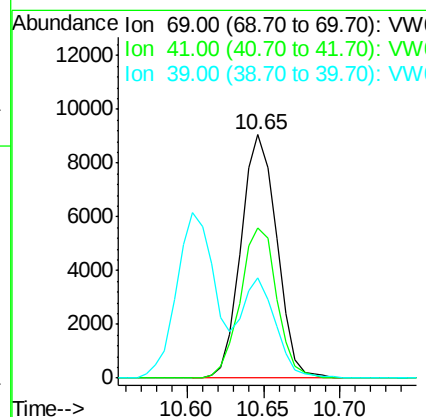
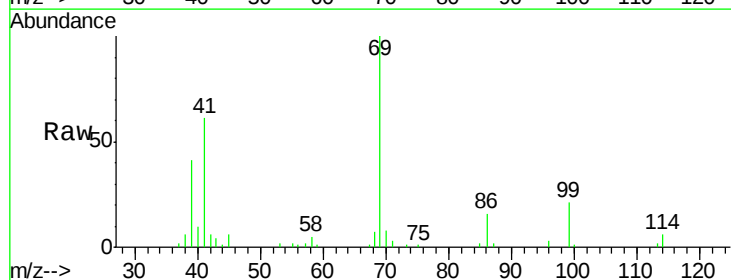
Instrument :
 MSVOA_W
 ClientSampled :
 VW1221SBS02

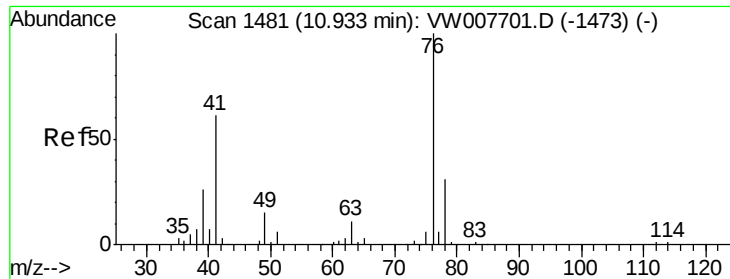
Tgt Ion:	97	Resp:	12041
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.5	101.3
85	55.1	44.8	67.2
99	65.5	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.683 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion:	69	Resp:	14701
Ion	Ratio	Lower	Upper
69	100		
41	63.0	48.9	73.3
39	38.8	31.3	46.9

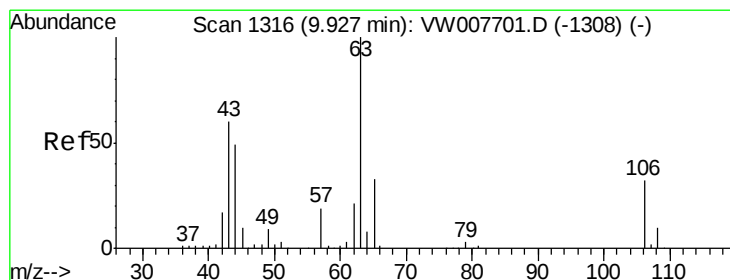
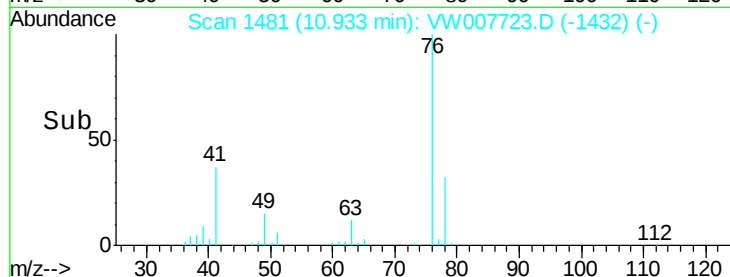
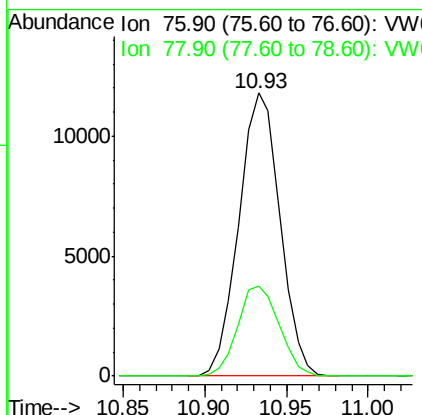
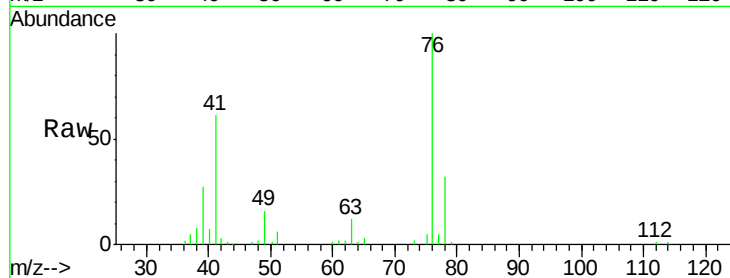




#57
 1,3-Dichloropropane
 Concen: 20.741 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

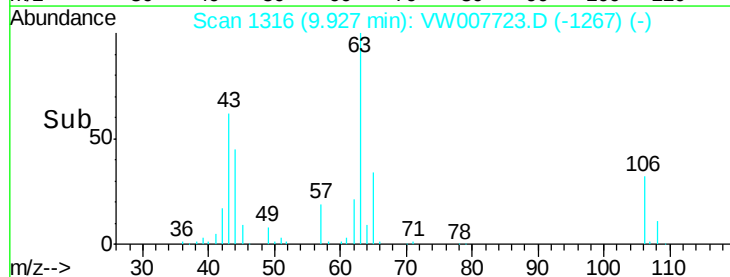
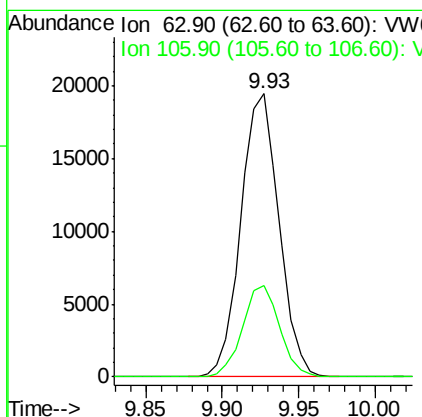
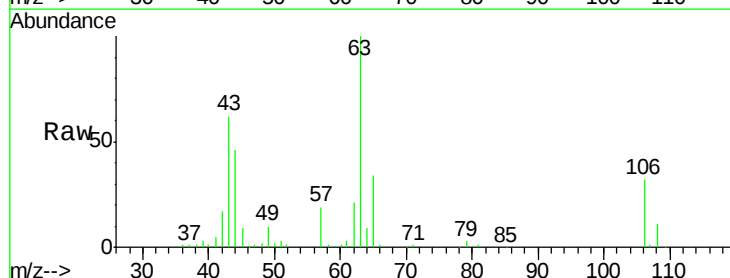
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

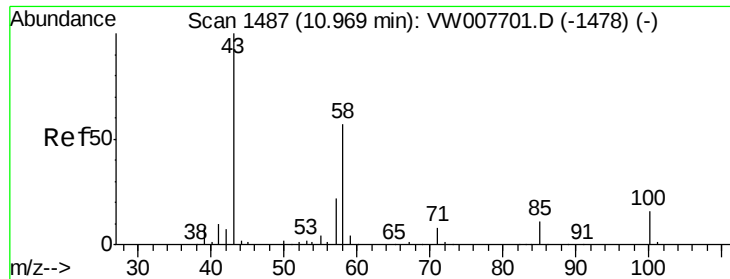
Tgt Ion: 76 Resp: 20720
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.588 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion: 63 Resp: 33617
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.9 38.9





#59

2-Hexanone

Concen: 98.025 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

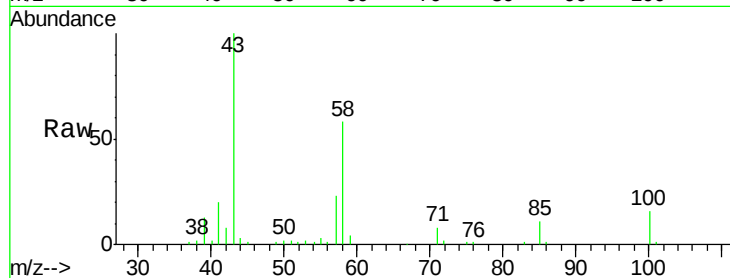
VW1221SBS02

Tgt Ion: 43 Resp: 26970

Ion Ratio Lower Upper

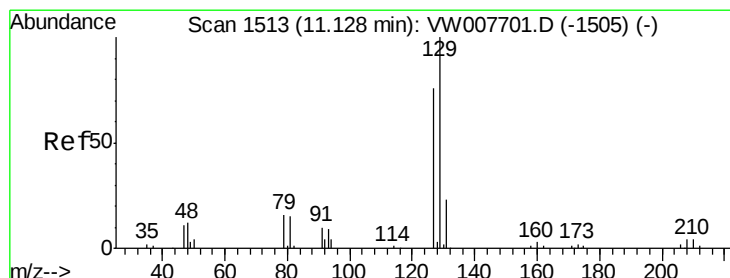
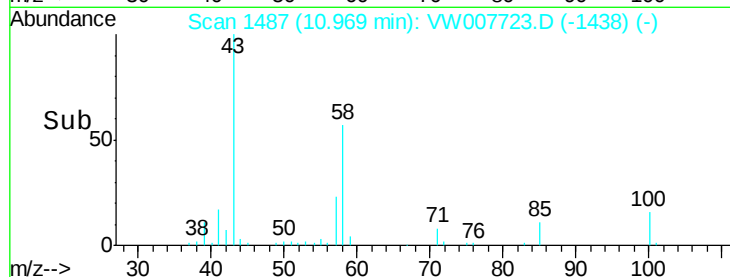
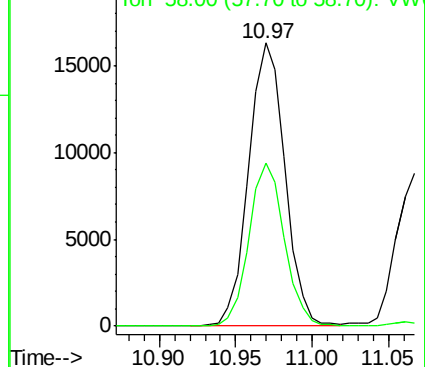
43 100

58 56.1 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 19.873 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007723.D

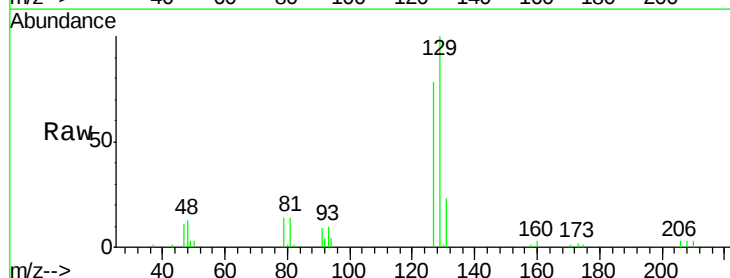
Acq: 20 Dec 2018 03:48

Tgt Ion: 129 Resp: 15830

Ion Ratio Lower Upper

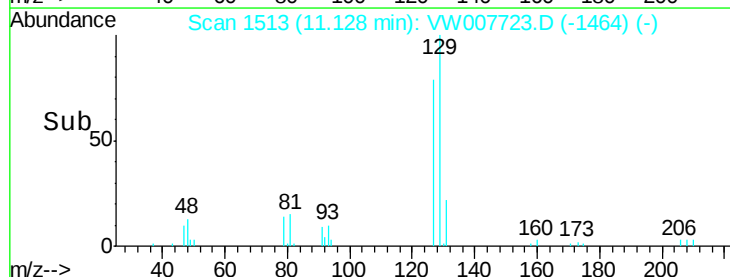
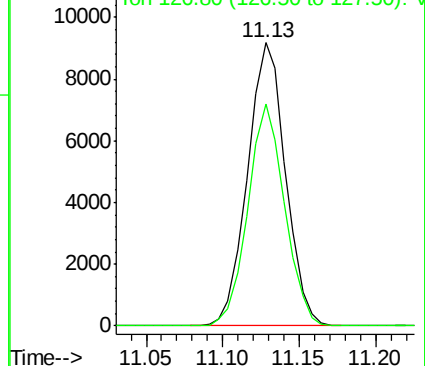
129 100

127 75.6 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

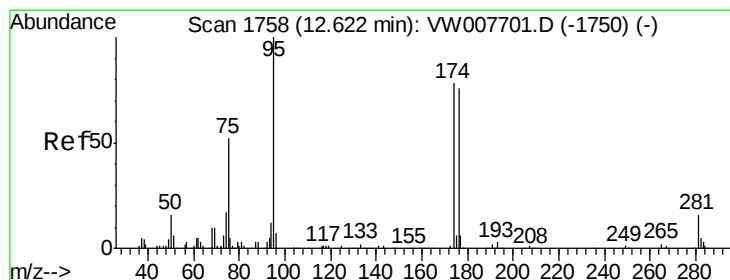
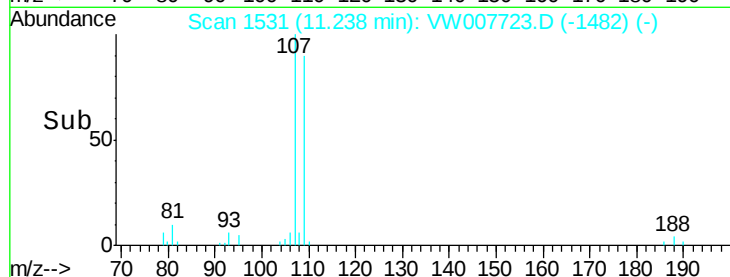
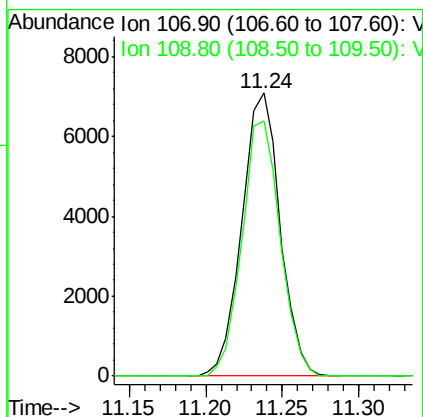
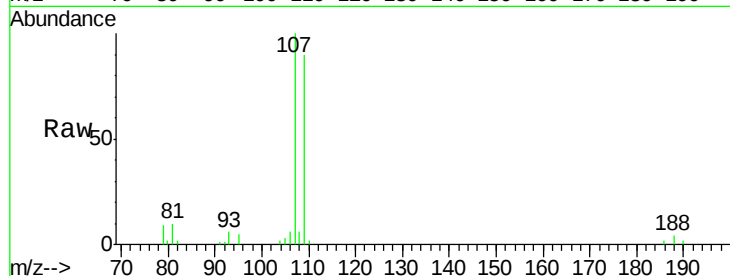




#61
 1,2-Dibromoethane
 Concen: 20.234 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

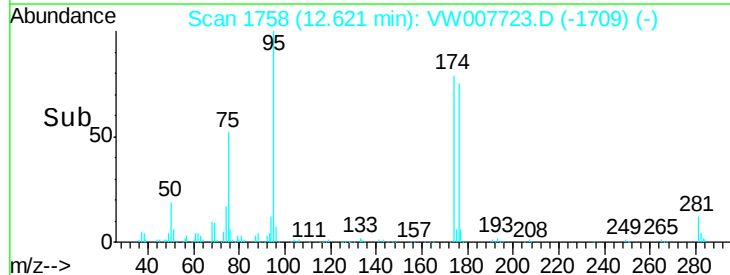
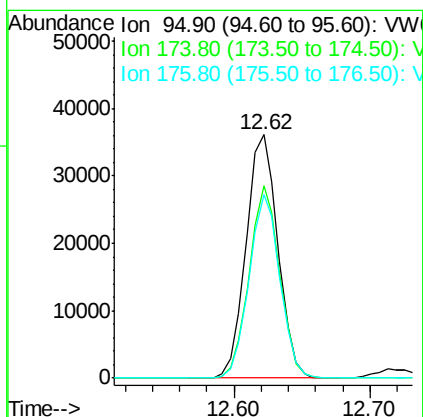
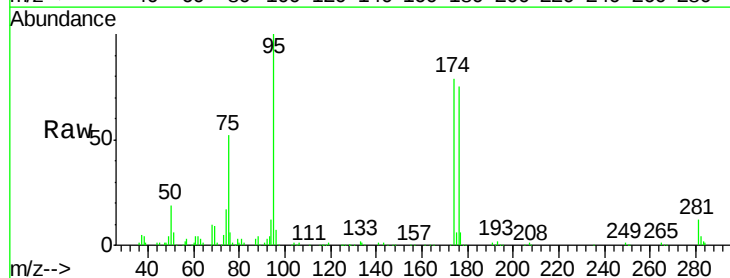
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

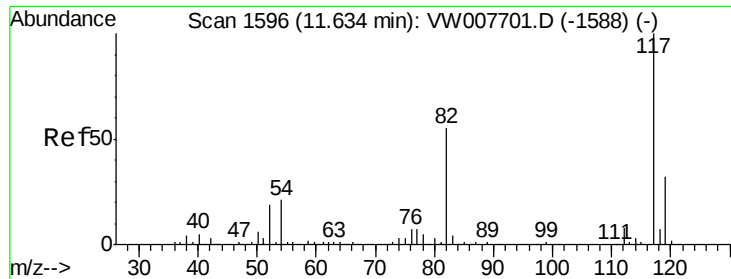
Tgt Ion: 107 Resp: 12327
 Ion Ratio Lower Upper
 107 100
 109 90.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.529 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion: 95 Resp: 58994
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 152.2
 176 73.0 0.0 146.8

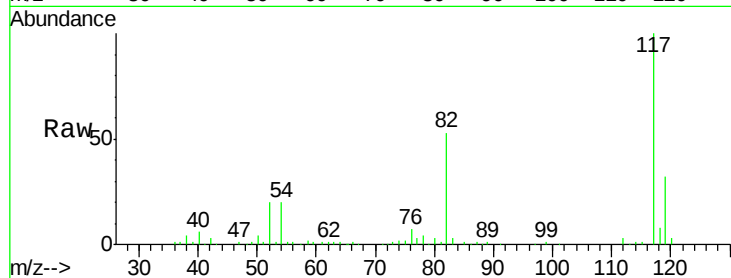




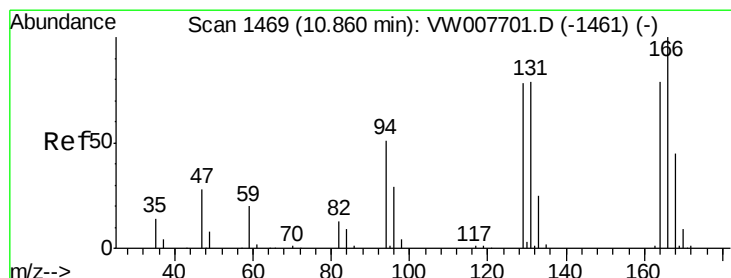
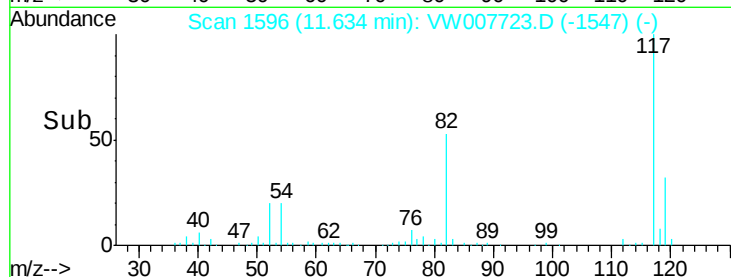
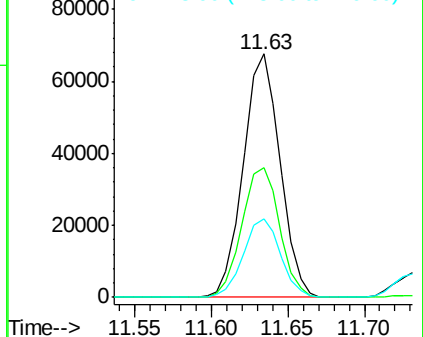
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

Tgt Ion:117 Resp: 112981
Ion Ratio Lower Upper
117 100
82 53.1 44.3 66.5
119 32.0 25.7 38.5



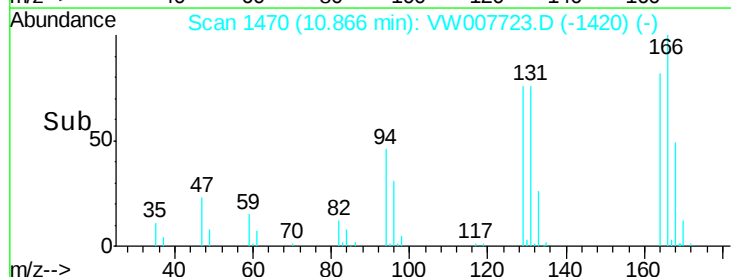
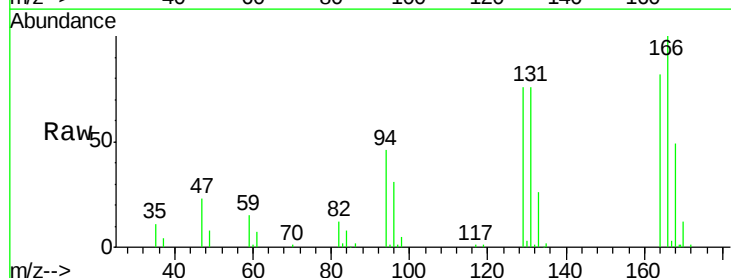
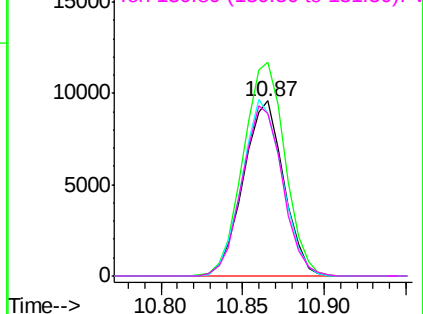
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

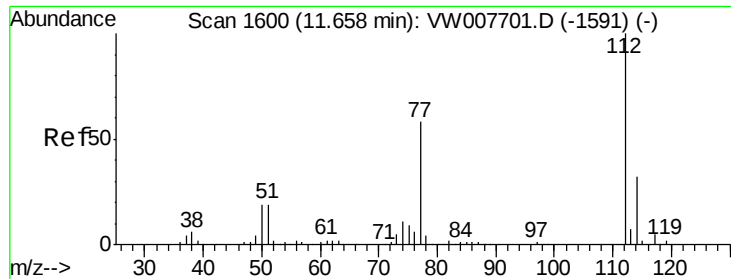


#64
Tetrachloroethene
Concen: 20.607 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion:164 Resp: 16487
Ion Ratio Lower Upper
164 100
166 121.9 101.0 151.6
129 92.4 78.7 118.1
131 92.5 79.4 119.0

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





#65

Chlorobenzene

Concen: 19.969 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

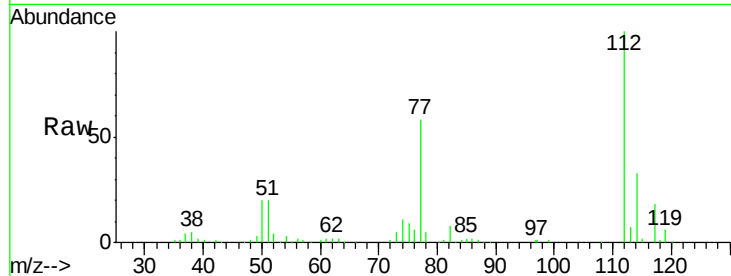
VW1221SBS02

Tgt Ion:112 Resp: 48833

Ion Ratio Lower Upper

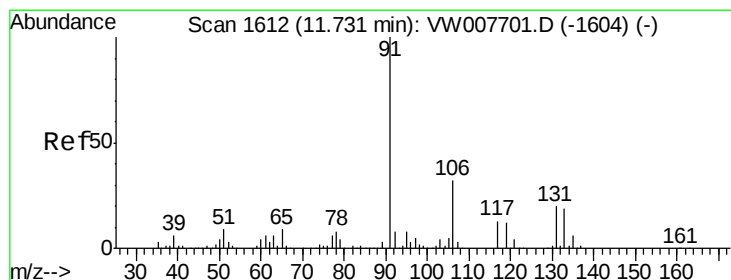
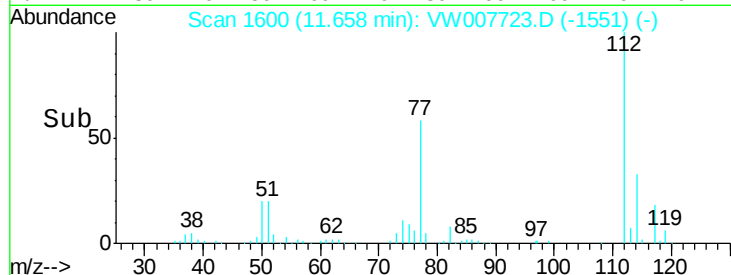
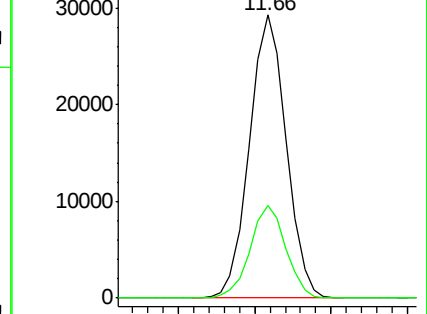
112 100

114 32.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.091 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

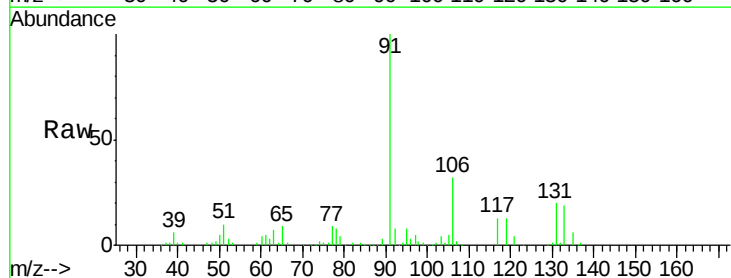
Tgt Ion:131 Resp: 17555

Ion Ratio Lower Upper

131 100

133 92.8 47.5 142.5

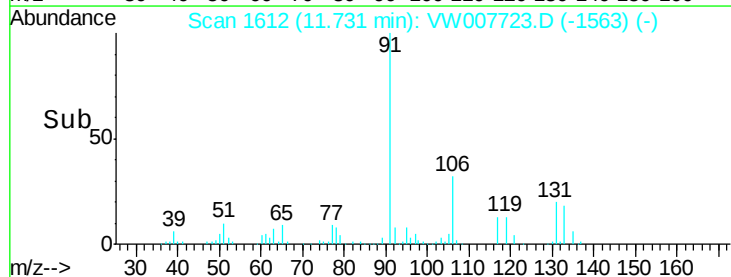
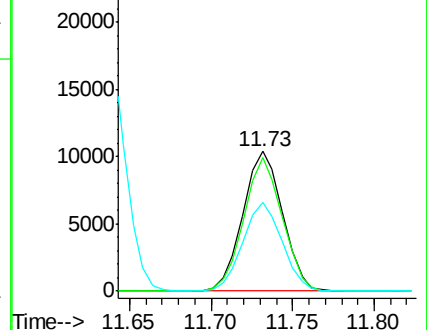
119 62.8 30.2 90.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

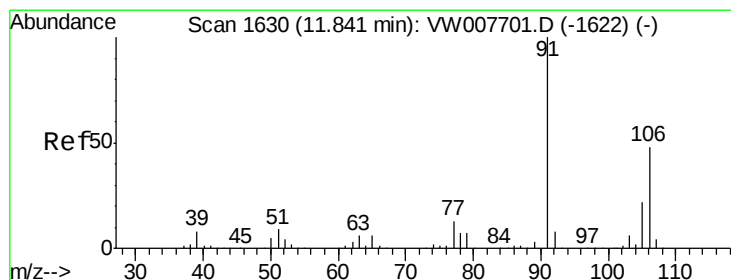
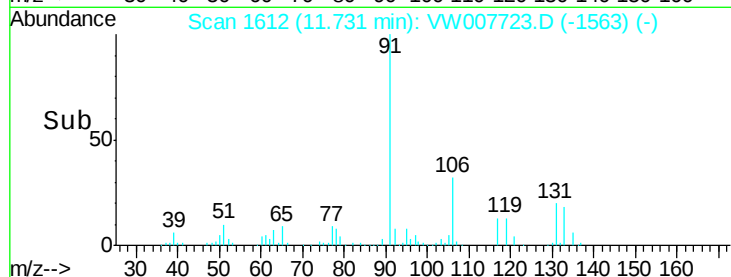
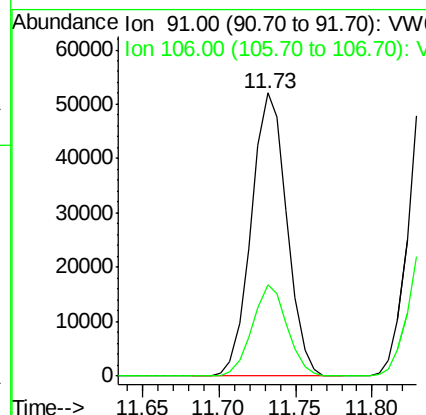
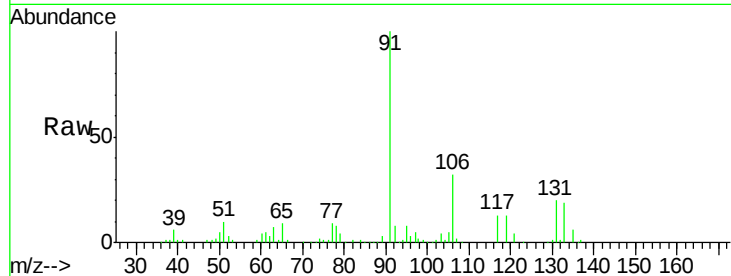




#67
Ethyl Benzene
Concen: 20.038 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

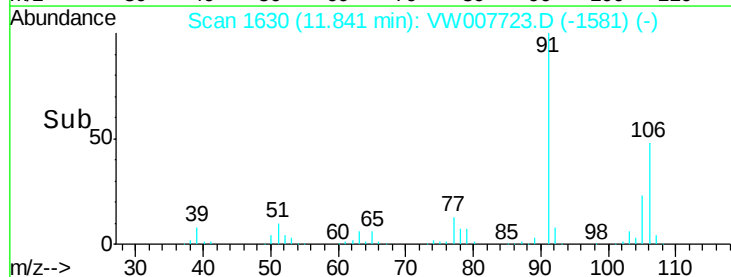
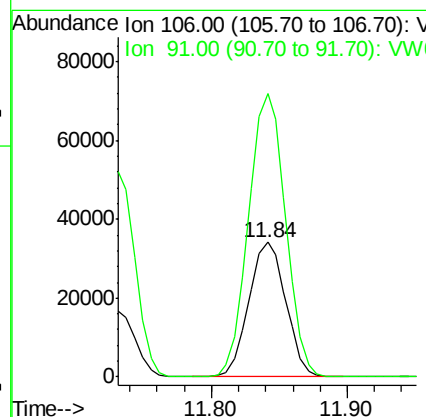
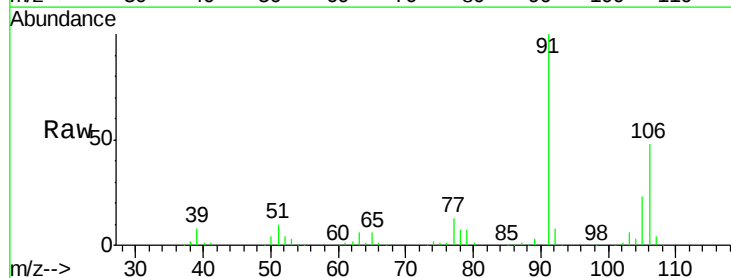
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

Tgt Ion: 91 Resp: 84086
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8



#68
m/p-Xylenes
Concen: 39.961 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 106 Resp: 65049
Ion Ratio Lower Upper
106 100
91 210.3 165.2 247.8

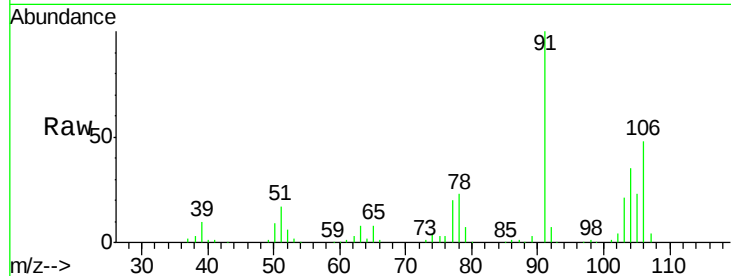




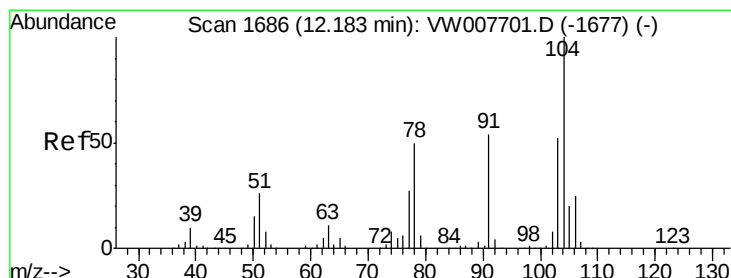
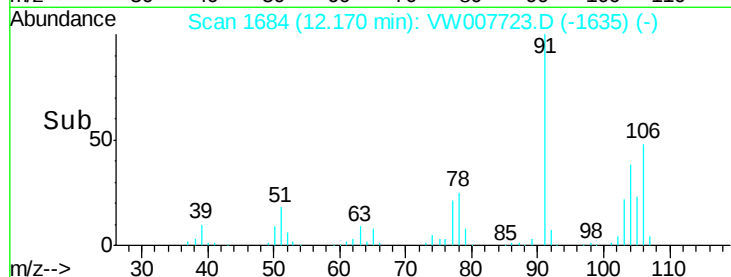
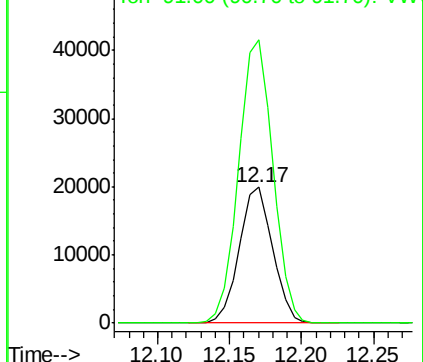
#69
o-Xylene
Concen: 20.943 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

Tgt Ion:106 Resp: 31956
Ion Ratio Lower Upper
106 100
91 214.1 110.5 331.4

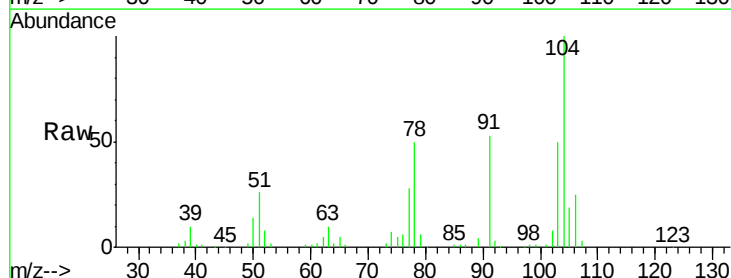


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

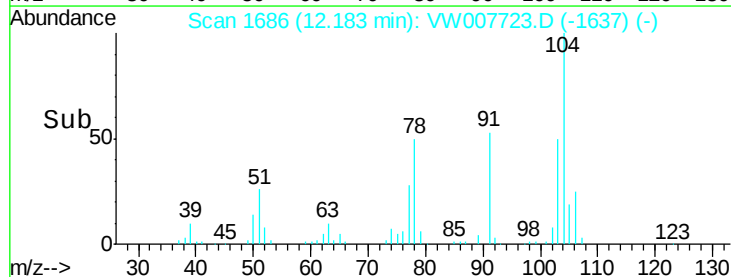
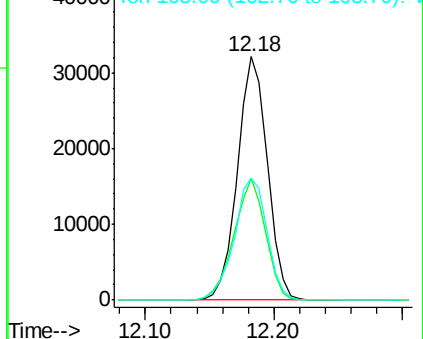


#70
Styrene
Concen: 20.544 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion:104 Resp: 51528
Ion Ratio Lower Upper
104 100
78 52.9 43.4 65.0
103 54.9 44.5 66.7



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





#71

Bromoform

Concen: 19.431 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

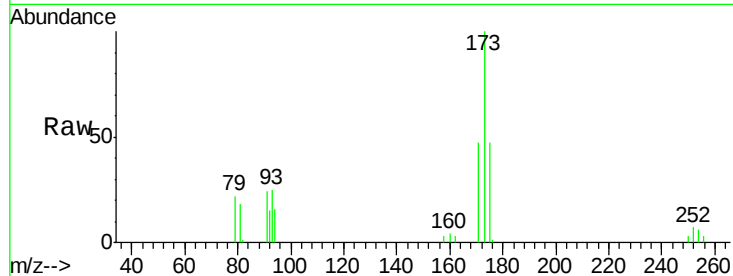
Tgt Ion:173 Resp: 8814

Ion Ratio Lower Upper

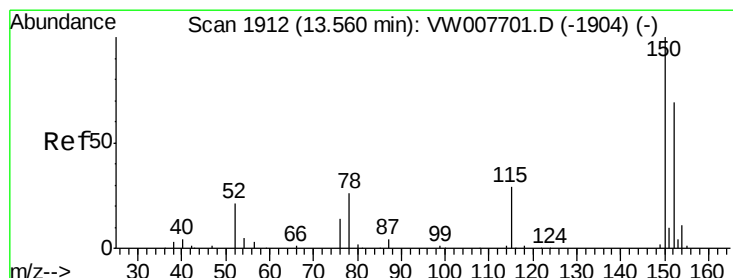
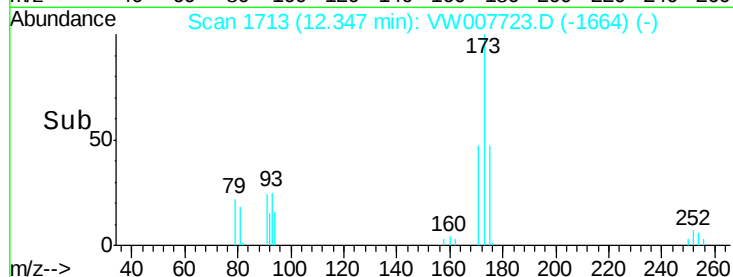
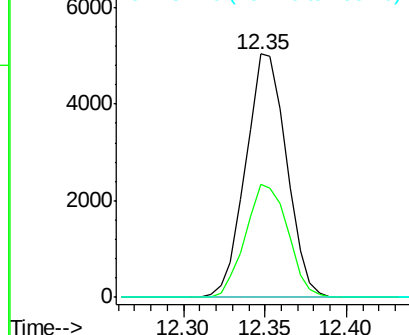
173 100

175 48.0 23.9 71.7

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

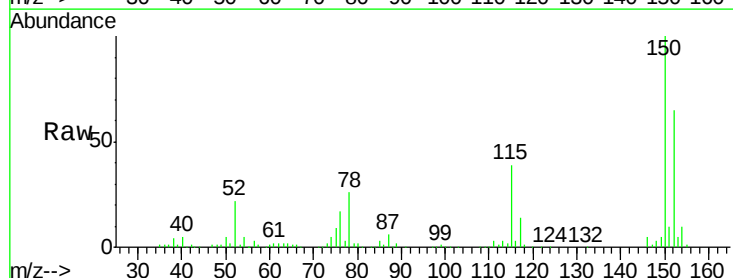
Tgt Ion:152 Resp: 56978

Ion Ratio Lower Upper

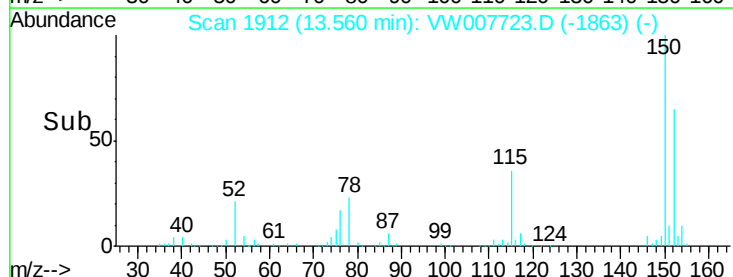
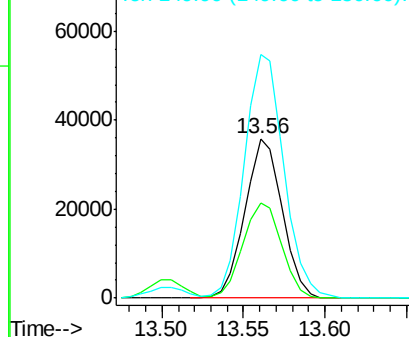
152 100

115 61.9 31.8 95.4

150 162.7 0.0 350.8



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: 20.323 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

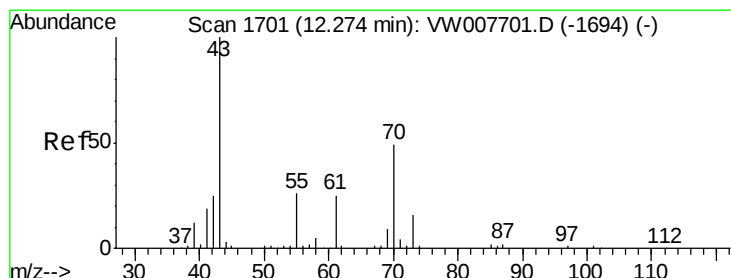
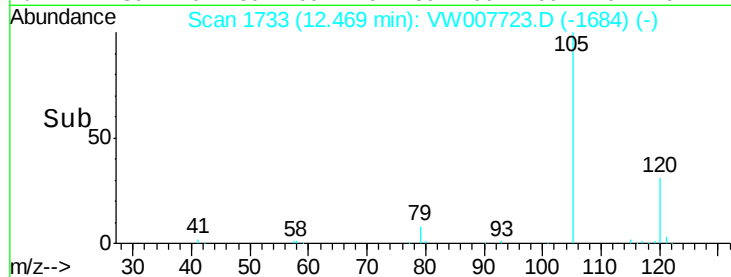
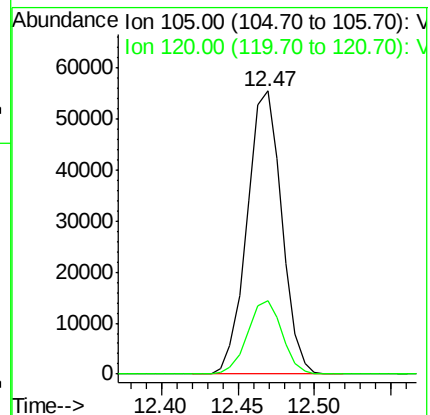
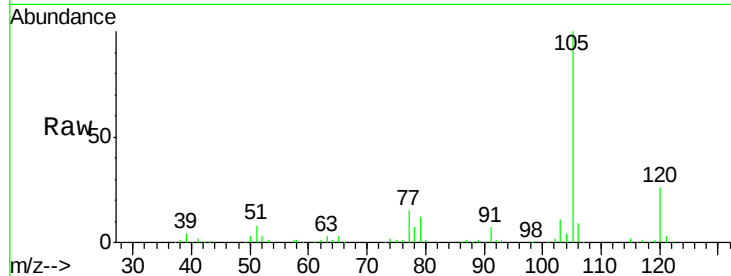
VW1221SBS02

Tgt Ion: 105 Resp: 87530

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



#74

N-ethyl acetate

Concen: 20.650 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Tgt Ion: 43 Resp: 15405

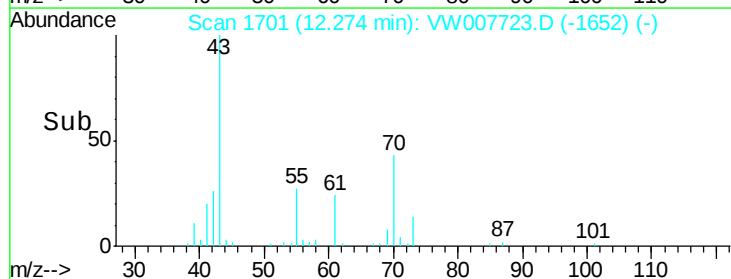
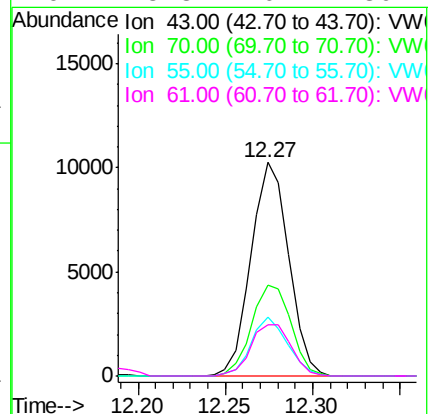
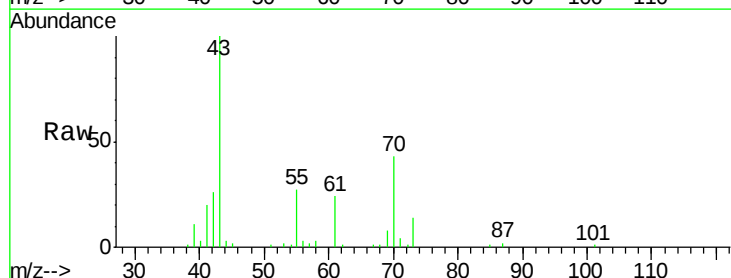
Ion Ratio Lower Upper

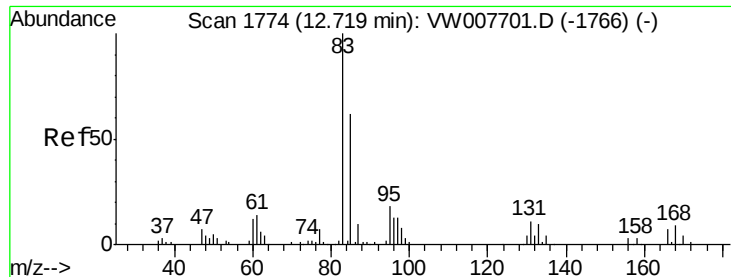
43 100

70 44.3 37.6 56.4

55 26.4 21.7 32.5

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.792 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

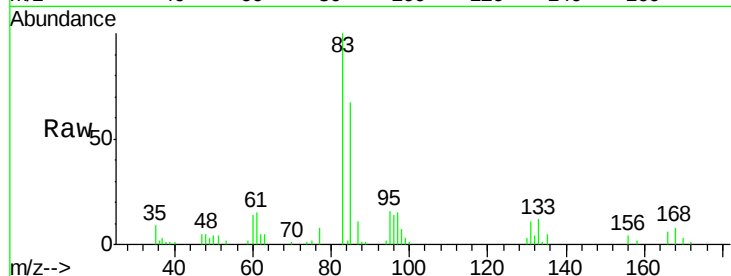
Tgt Ion: 83 Resp: 12781

Ion Ratio Lower Upper

83 100

131 12.9 6.3 18.8

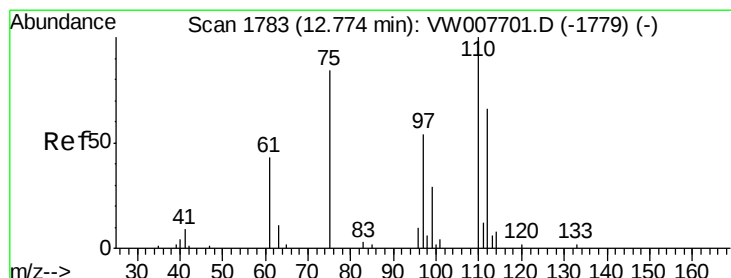
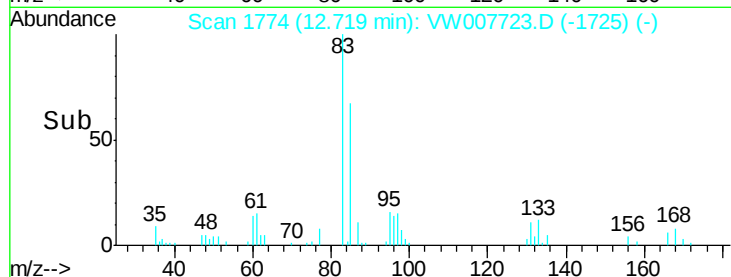
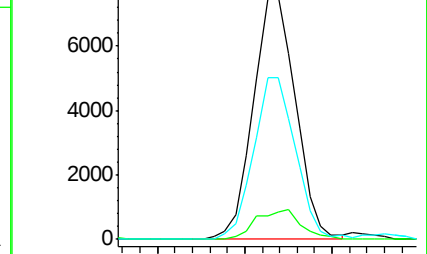
85 65.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.830 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007723.D

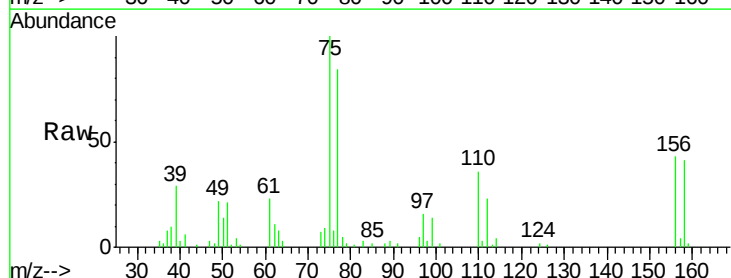
Acq: 20 Dec 2018 03:48

Tgt Ion: 75 Resp: 17981

Ion Ratio Lower Upper

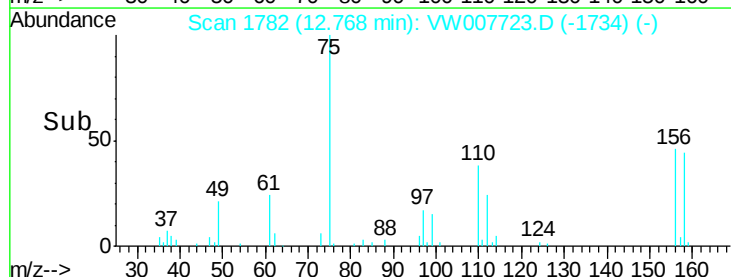
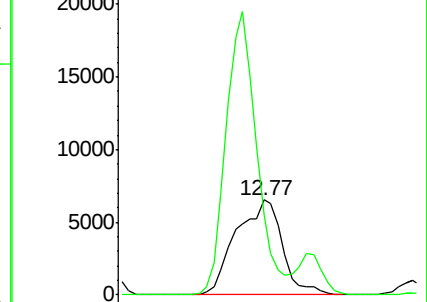
75 100

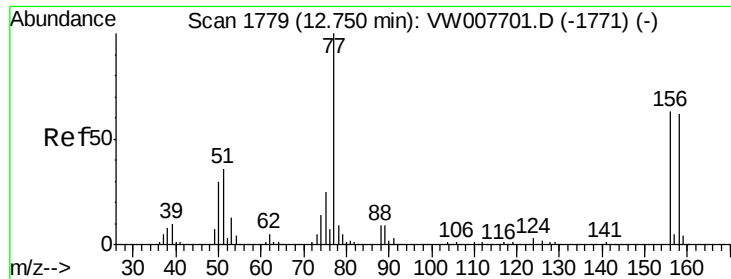
77 197.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.230 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

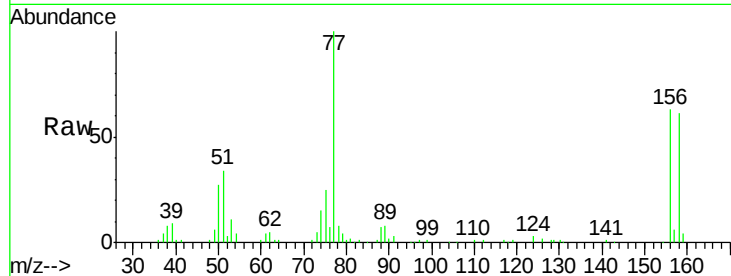
Tgt Ion:156 Resp: 19968

Ion Ratio Lower Upper

156 100

77 177.9 87.4 262.1

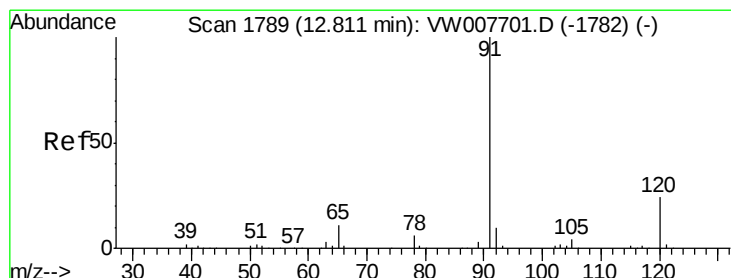
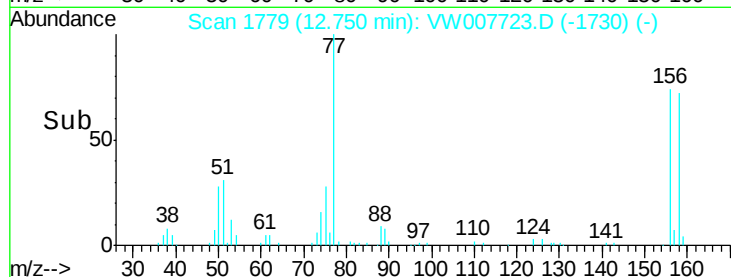
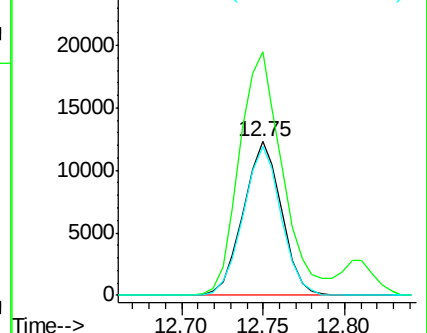
158 96.4 48.4 145.0



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: 20.158 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007723.D

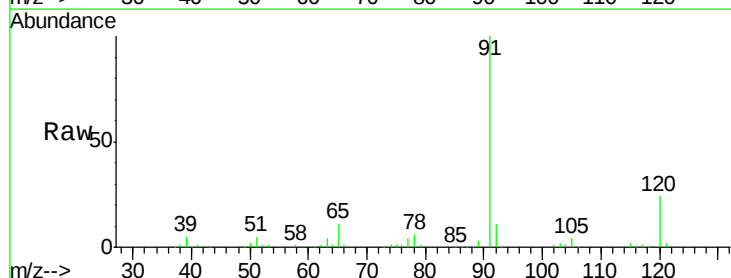
Acq: 20 Dec 2018 03:48

Tgt Ion: 91 Resp: 101061

Ion Ratio Lower Upper

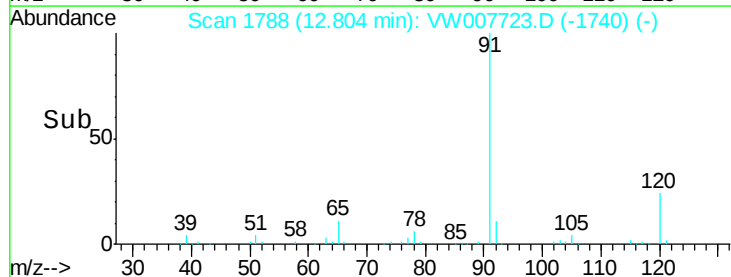
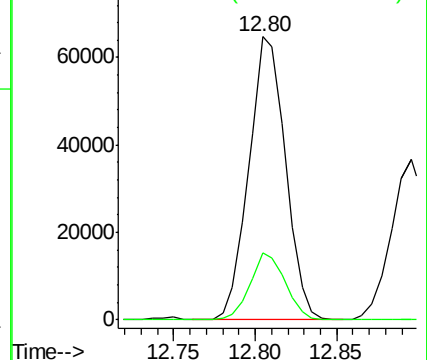
91 100

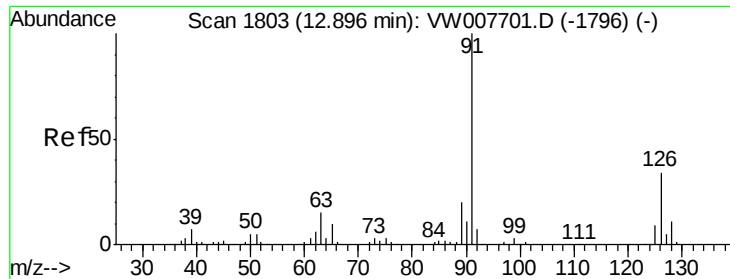
120 22.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.235 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

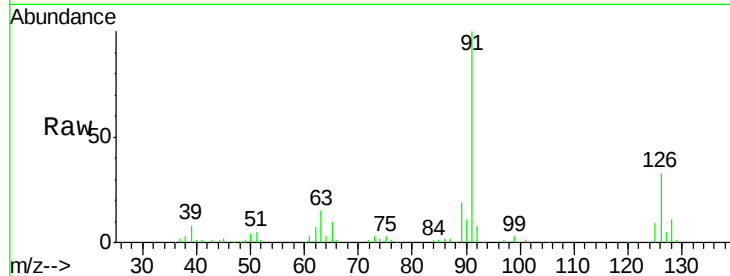
VW1221SBS02

Tgt Ion: 91 Resp: 59099

Ion Ratio Lower Upper

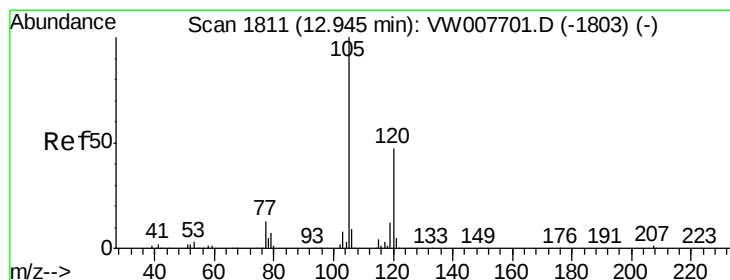
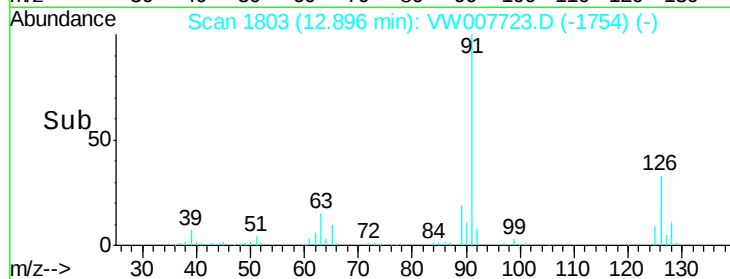
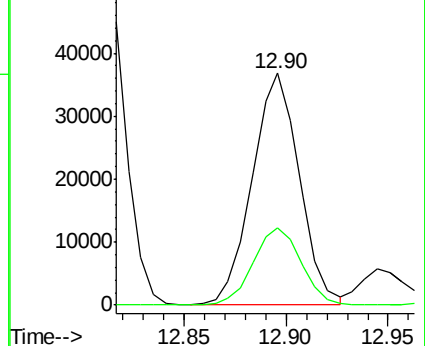
91 100

126 34.1 17.0 51.0



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: 20.102 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007723.D

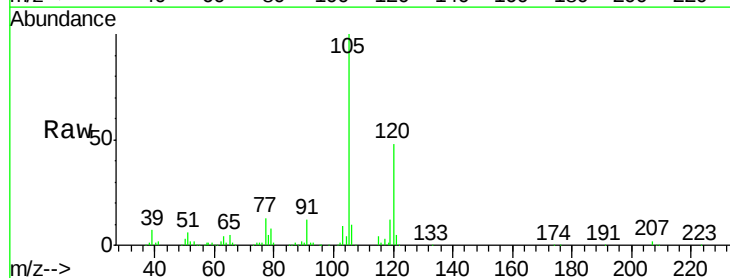
Acq: 20 Dec 2018 03:48

Tgt Ion: 105 Resp: 74680

Ion Ratio Lower Upper

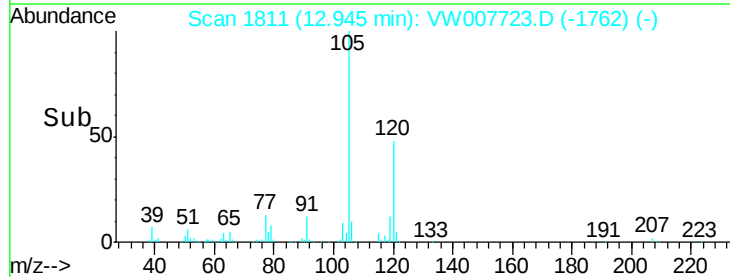
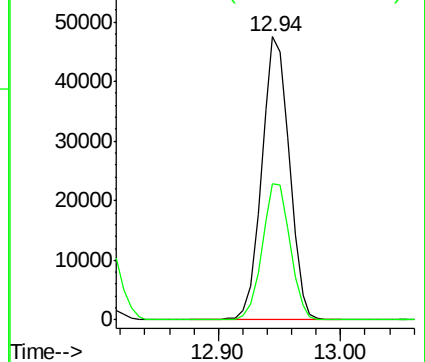
105 100

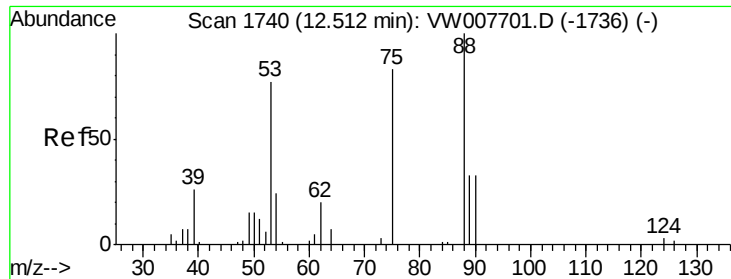
120 48.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

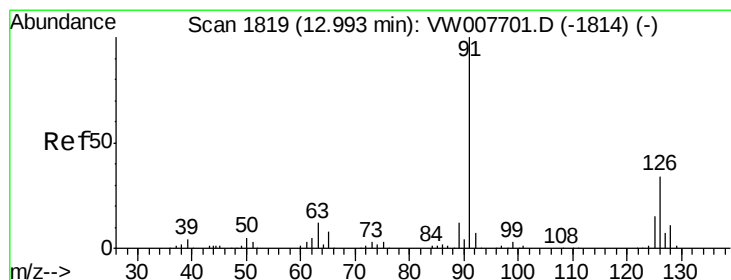
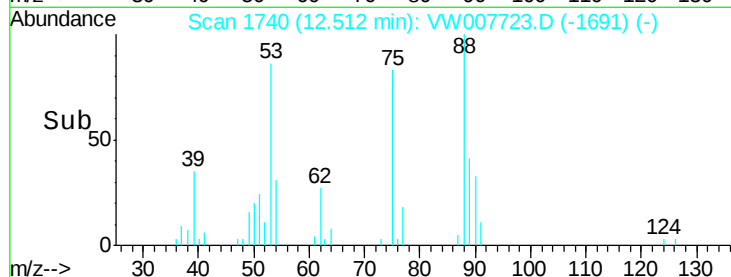
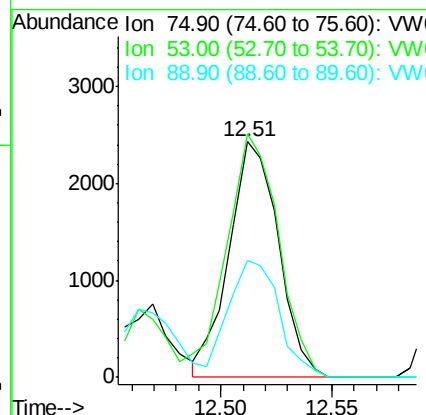
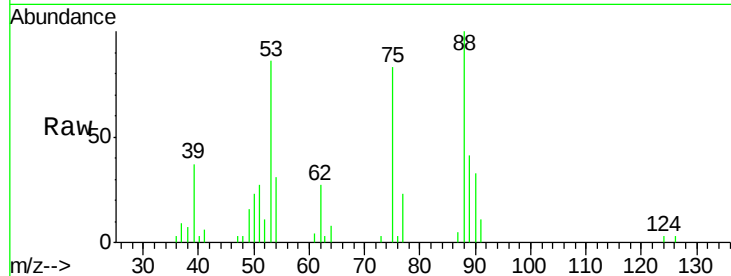




#81
trans-1,4-Dichloro-2-butene
Concen: 17.874 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

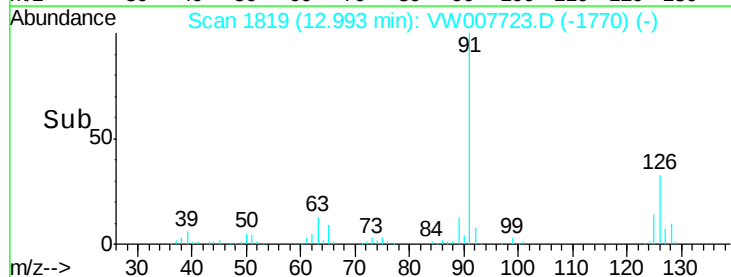
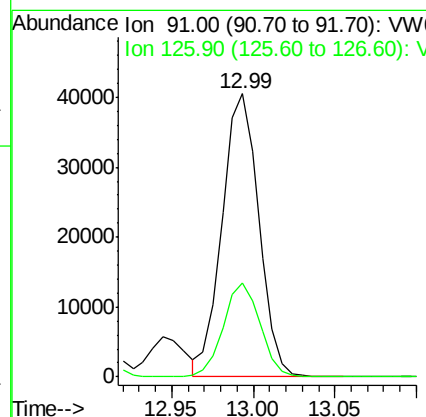
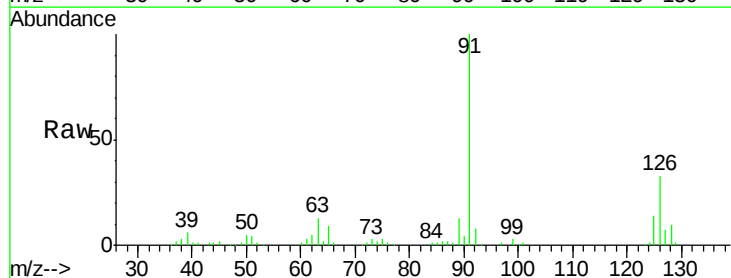
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS02

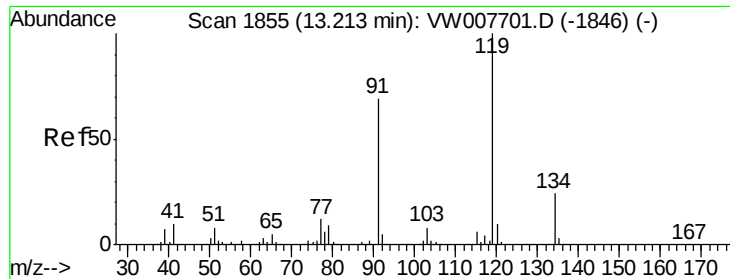
Tgt Ion: 75 Resp: 3750
Ion Ratio Lower Upper
75 100
53 109.3 80.2 120.2
89 50.6 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007723.D
Acq: 20 Dec 2018 03:48

Tgt Ion: 91 Resp: 63660
Ion Ratio Lower Upper
91 100
126 33.1 16.5 49.5

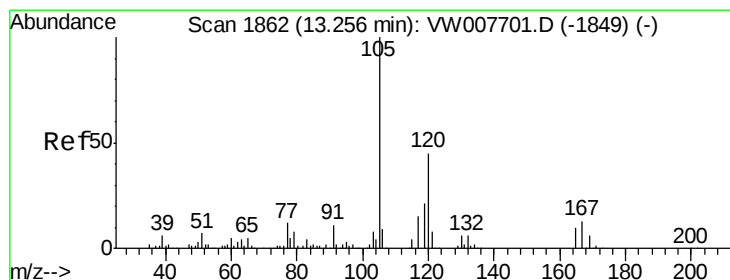
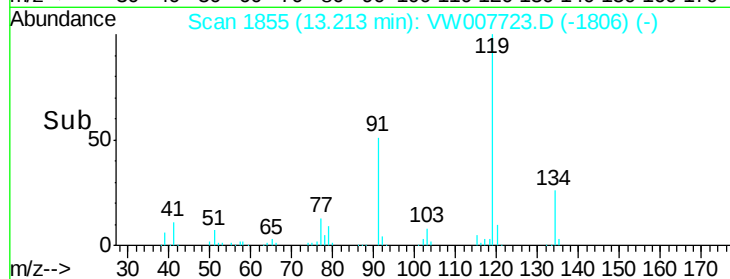
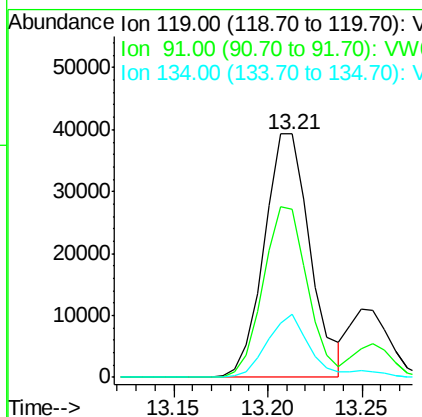
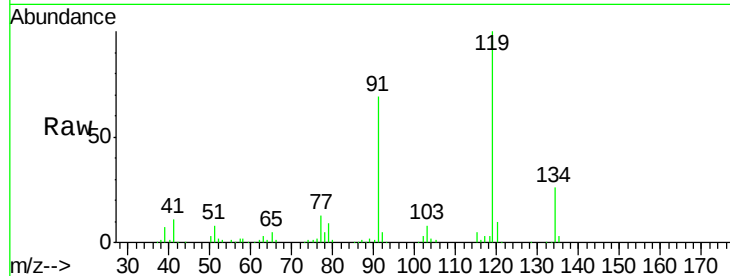




#83
 tert-Butylbenzene
 Concen: 20.439 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

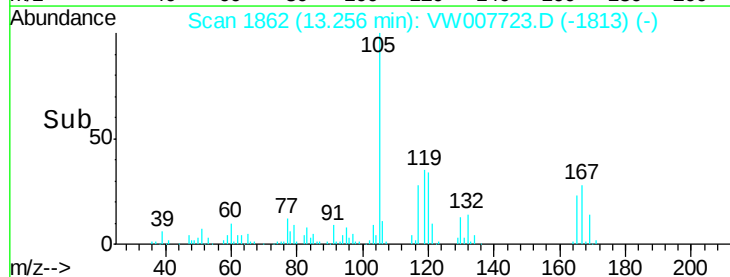
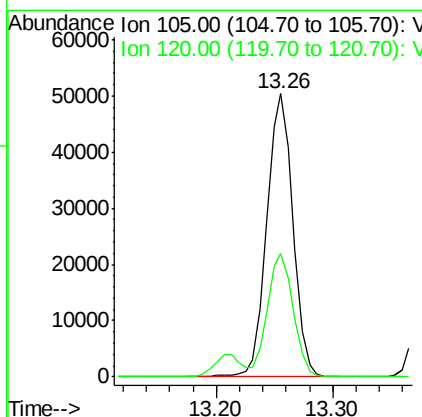
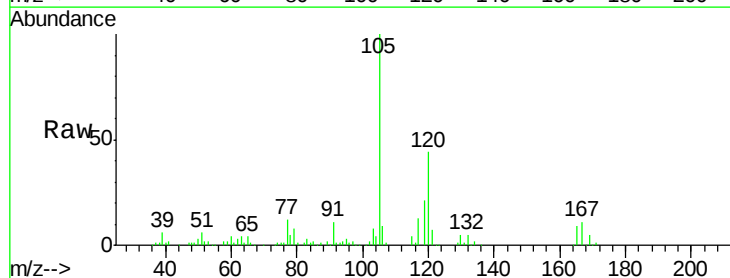
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

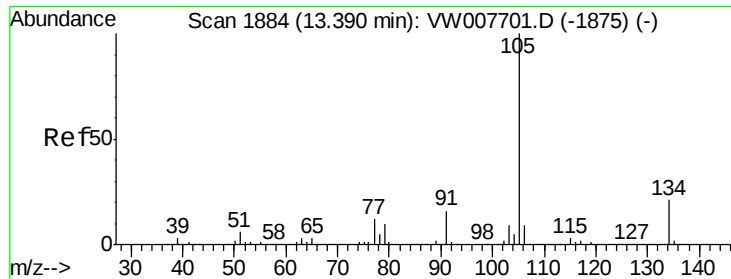
Tgt Ion:119 Resp: 66623
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.2 102.5
 134 25.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.957 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion:105 Resp: 78561
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.0 66.0

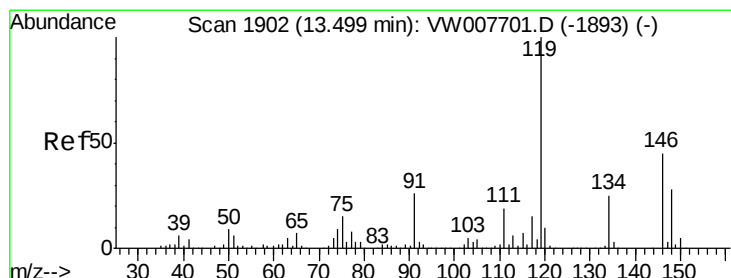
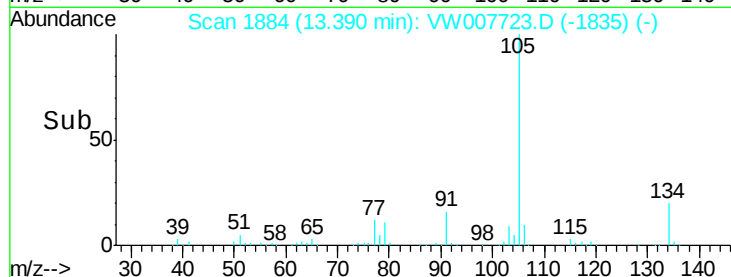
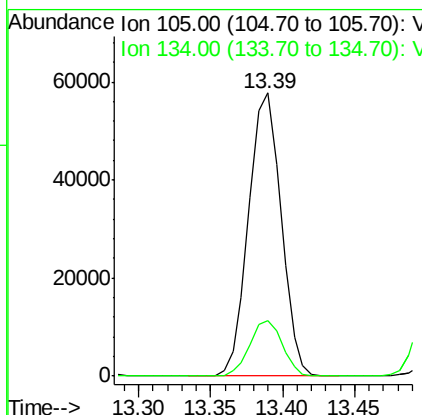
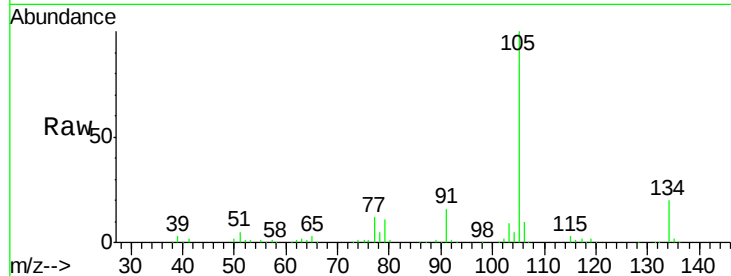




#85
 sec-Butylbenzene
 Concen: 20.136 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

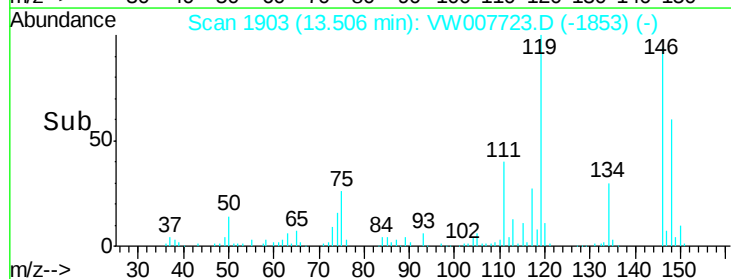
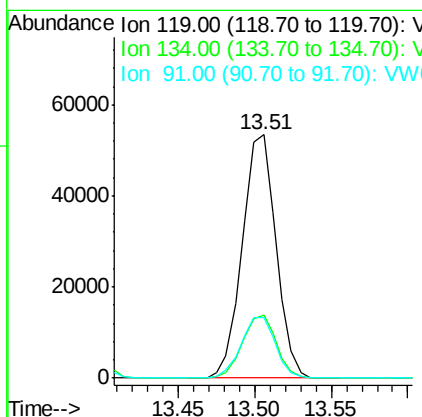
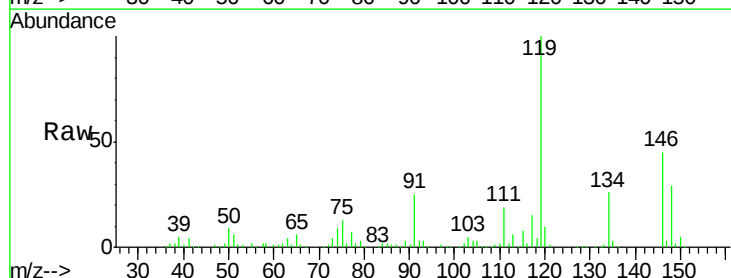
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

Tgt Ion:105 Resp: 90460
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.014 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion:119 Resp: 81758
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 25.6 12.8 38.4

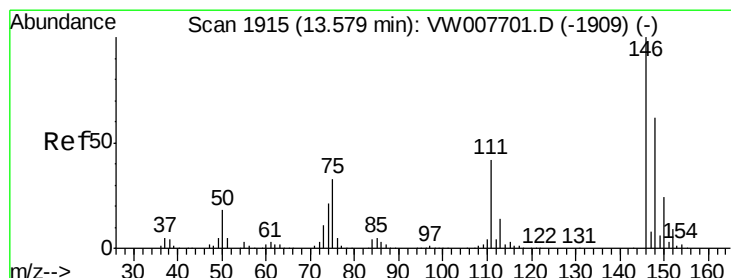
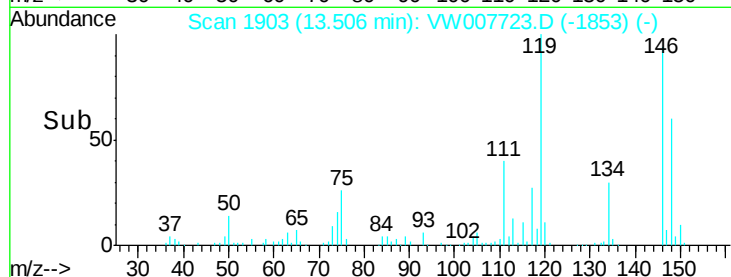
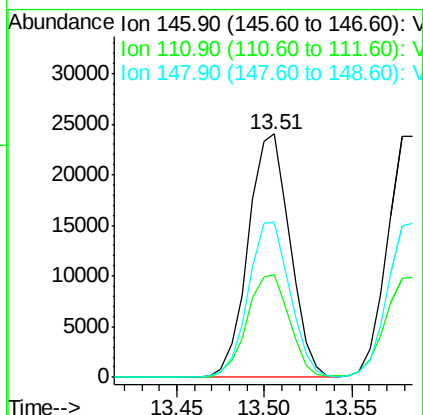
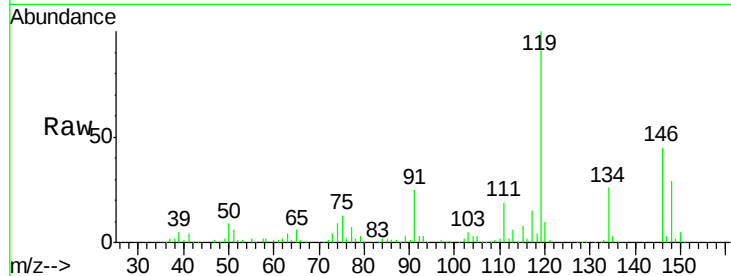




#87
 1,3-Dichlorobenzene
 Concen: 20.289 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

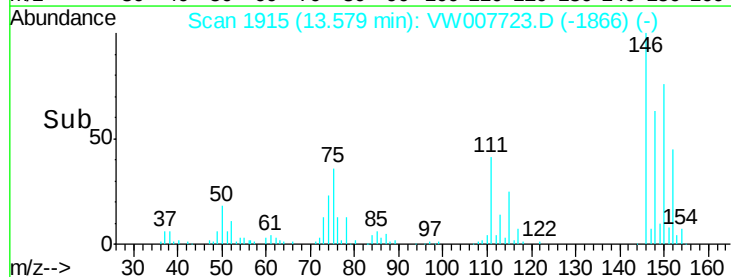
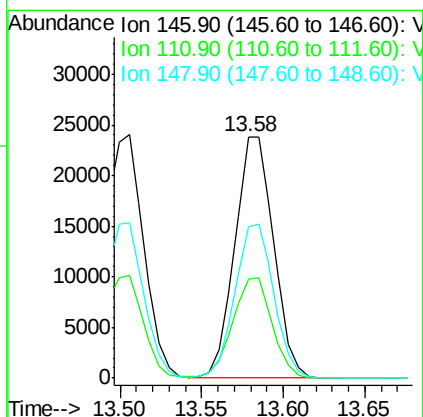
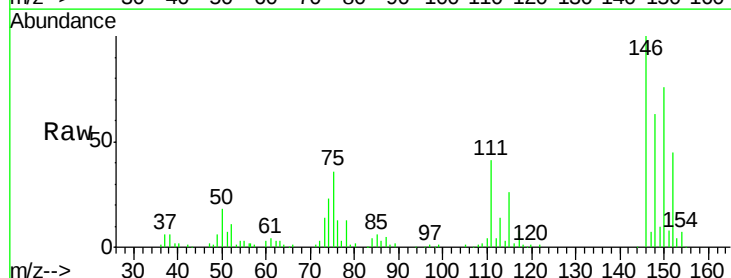
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

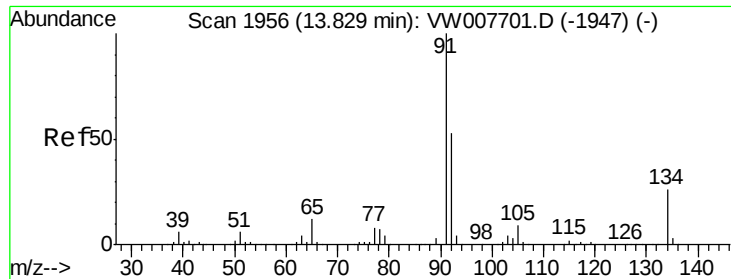
Tgt Ion:146 Resp: 39762
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.4
 148 63.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.161 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion:146 Resp: 39522
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.0 63.0
 148 63.7 31.8 95.4





#89

n-Butylbenzene

Concen: 19.347 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

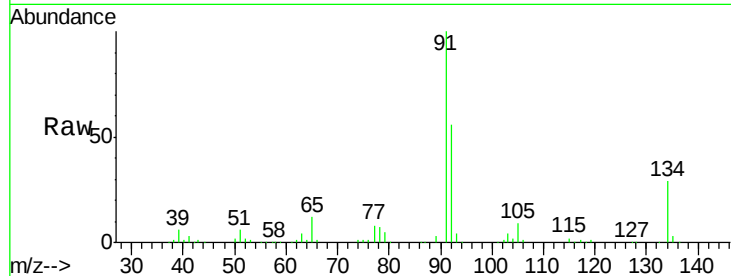
Tgt Ion: 91 Resp: 72464

Ion Ratio Lower Upper

91 100

92 53.3 26.4 79.2

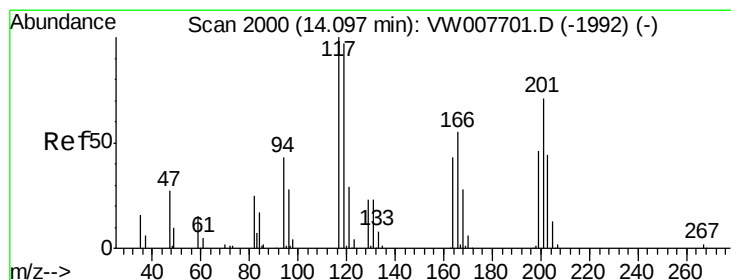
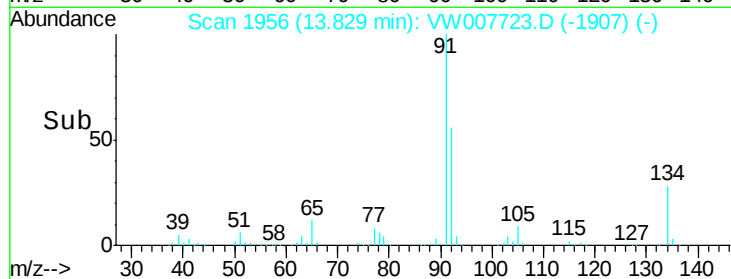
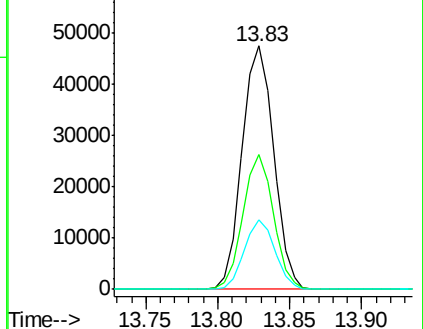
134 27.5 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 19.254 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007723.D

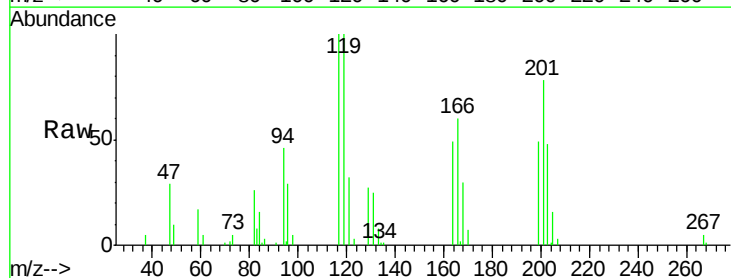
Acq: 20 Dec 2018 03:48

Tgt Ion: 117 Resp: 13808

Ion Ratio Lower Upper

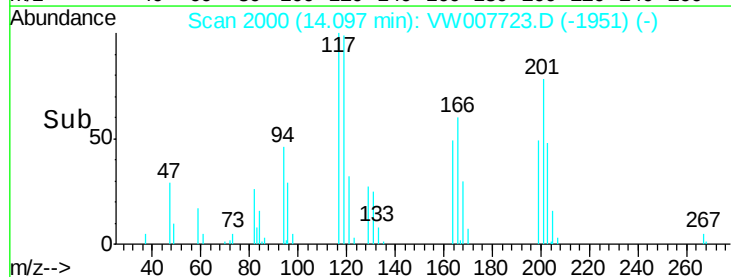
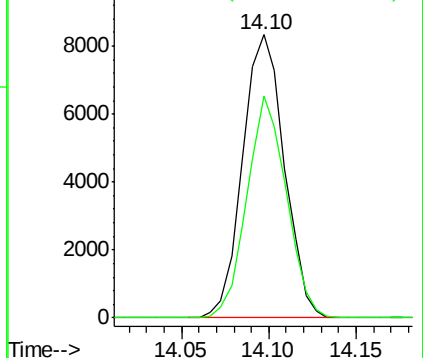
117 100

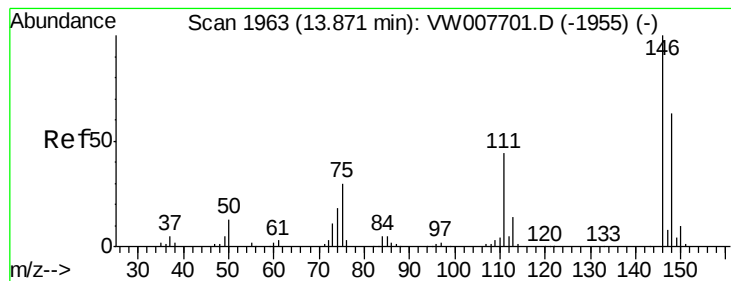
201 74.0 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.478 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

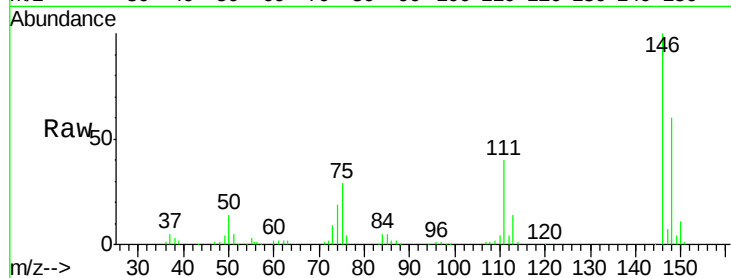
Tgt Ion:146 Resp: 35932

Ion Ratio Lower Upper

146 100

111 43.5 21.7 65.1

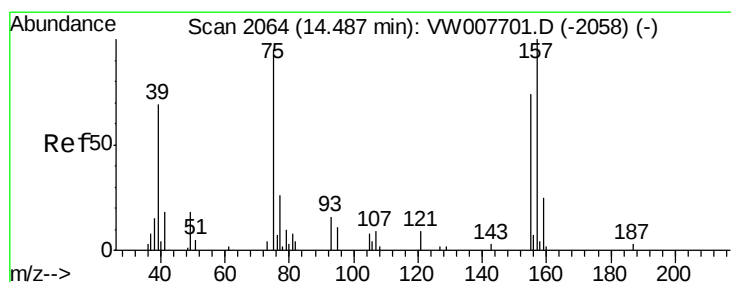
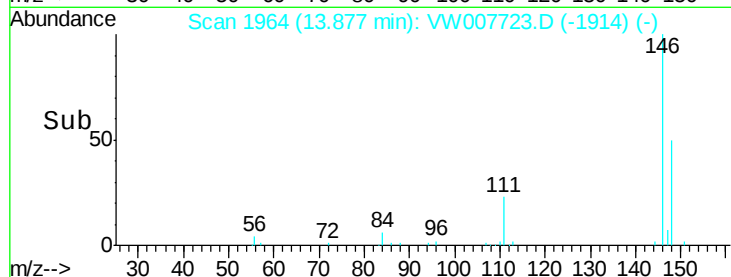
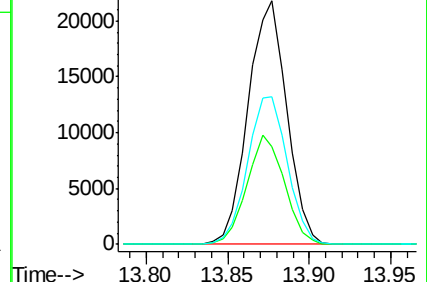
148 62.3 32.1 96.5



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: 20.895 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

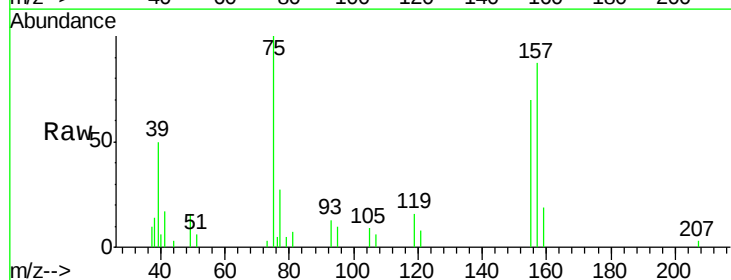
Tgt Ion: 75 Resp: 2771

Ion Ratio Lower Upper

75 100

155 78.1 39.4 118.1

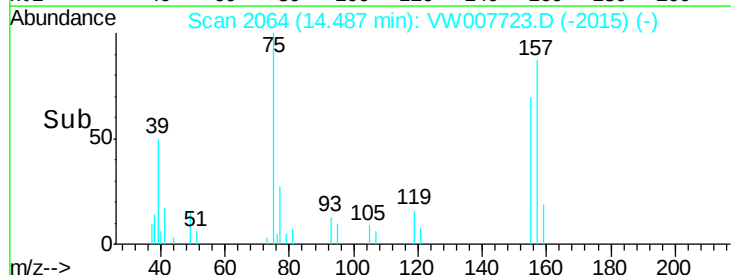
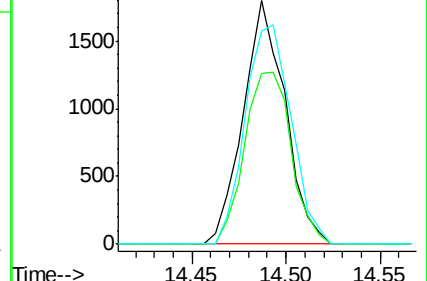
157 98.8 52.0 156.0

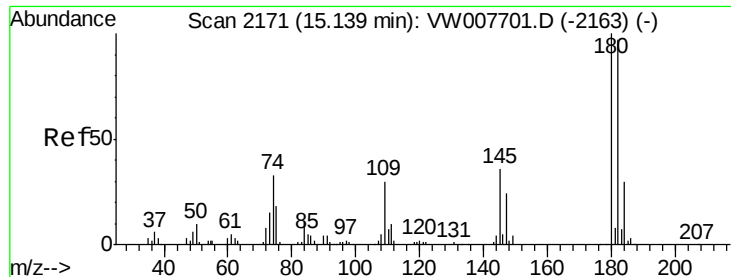


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

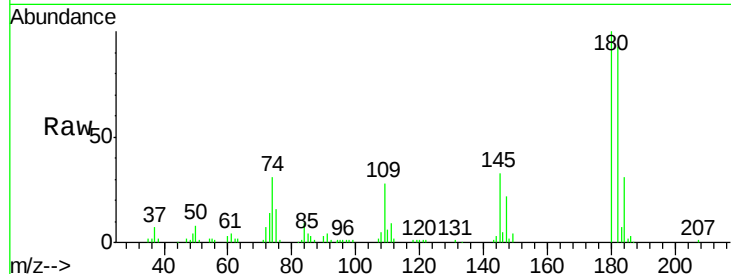




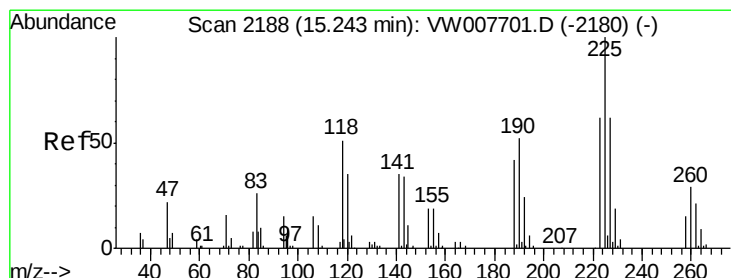
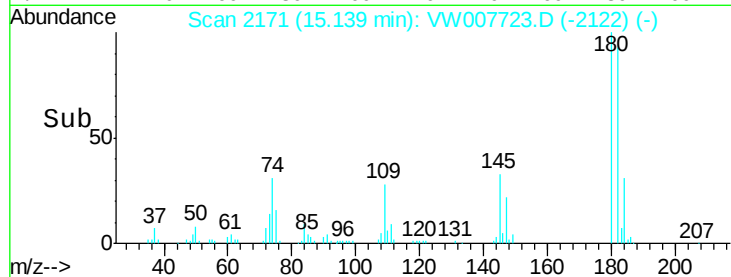
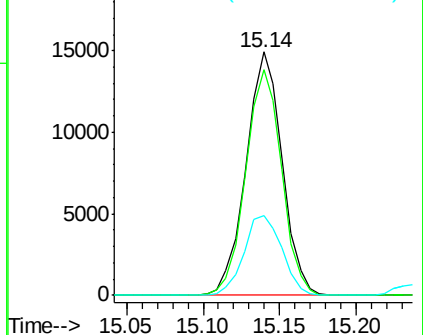
#93
 1,2,4-Trichlorobenzene
 Concen: 20.059 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS02

Tgt Ion:180 Resp: 24431
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.5 142.6
 145 34.5 17.5 52.5

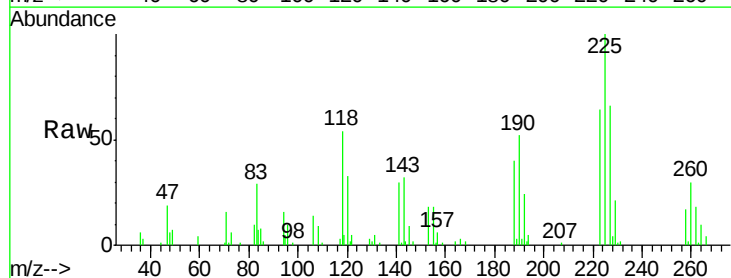


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

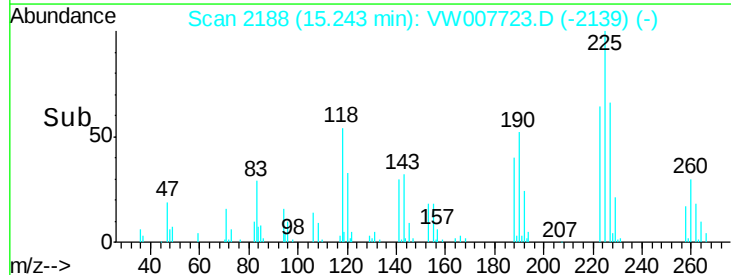
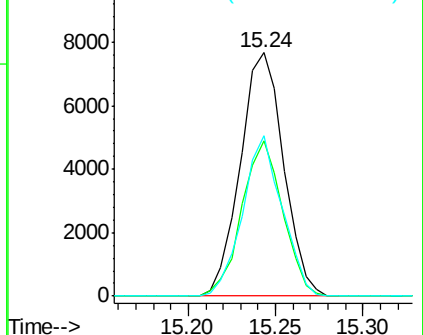


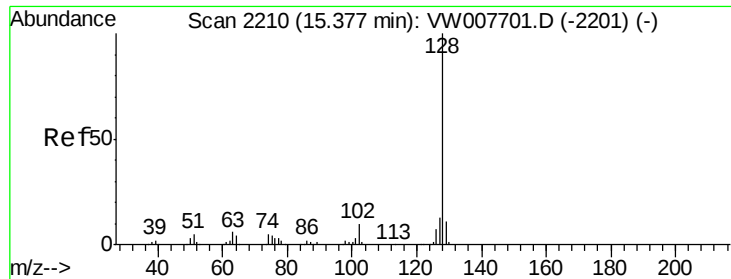
#94
 Hexachlorobutadiene
 Concen: 20.253 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007723.D
 Acq: 20 Dec 2018 03:48

Tgt Ion:225 Resp: 13183
 Ion Ratio Lower Upper
 225 100
 223 60.2 31.6 94.8
 227 60.2 32.1 96.3



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: 20.928 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS02

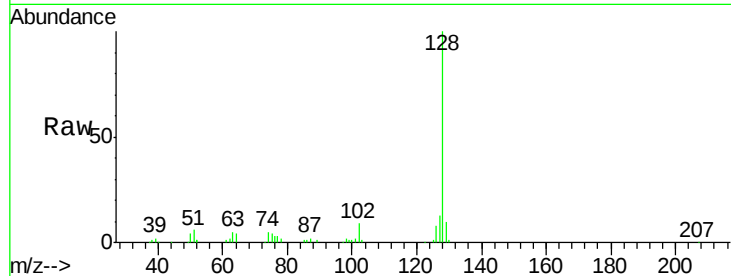
Tgt Ion:128 Resp: 47127

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

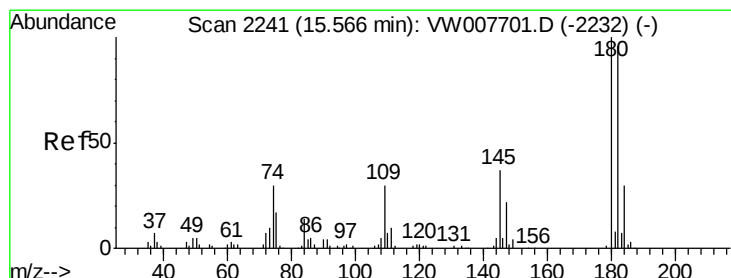
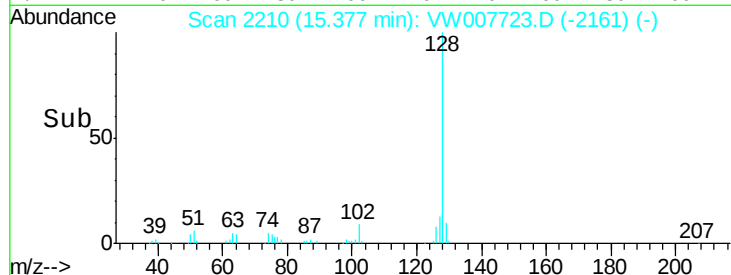
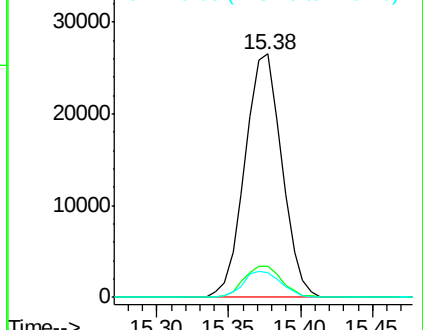
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.853 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW007723.D

Acq: 20 Dec 2018 03:48

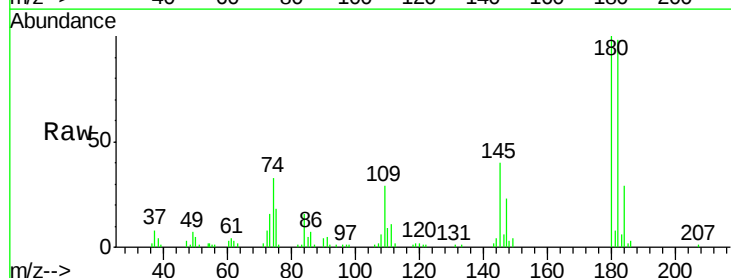
Tgt Ion:180 Resp: 20699

Ion Ratio Lower Upper

180 100

182 96.2 47.4 142.2

145 36.6 18.4 55.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

