

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121818\
 Data File : VW007600.D
 Acq On : 16 Dec 2018 00:47
 Operator : SY/AP
 Sample : VW1215SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

Quant Time: Dec 16 02:35:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	114257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	38442	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.88	113	35997	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.32	98	136199	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.62	95	52375	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11738	24.832	ug/l	93
3) Chloromethane	2.21	50	8605	21.736	ug/l	92
4) Vinyl Chloride	2.37	62	10422	22.433	ug/l	93
5) Bromomethane	2.78	94	7094	22.726	ug/l	97
6) Chloroethane	2.93	64	5479	21.424	ug/l	98
7) Trichlorofluoromethane	3.25	101	9143	21.890	ug/l	87
8) Diethyl Ether	3.68	74	7278	22.263	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	15439	22.401	ug/l	99
10) Methyl Iodide	4.27	142	26252	22.999	ug/l	98
11) Tert butyl alcohol	5.17	59	5954	115.521	ug/l	97
12) 1,1-Dichloroethene	4.03	96	14738	22.210	ug/l	97
13) Acrolein	3.90	56	3435	100.721	ug/l	98
14) Allyl chloride	4.66	41	21054	21.525	ug/l	96
15) Acrylonitrile	5.37	53	15176	110.120	ug/l	99
16) Acetone	4.12	43	13244	101.036	ug/l	99
17) Carbon Disulfide	4.37	76	44972	22.352	ug/l	98
18) Methyl Acetate	4.67	43	8310	23.358	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	23028	23.004	ug/l	98
20) Methylene Chloride	4.91	84	17585	22.366	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	16417	22.116	ug/l	94
22) Diisopropyl ether	6.31	45	41993	22.336	ug/l	95
23) Vinyl Acetate	6.26	43	111443	105.976	ug/l	96
24) 1,1-Dichloroethane	6.21	63	27993	22.030	ug/l	98
25) 2-Butanone	7.17	43	17927	104.758	ug/l	98
26) 2,2-Dichloropropane	7.16	77	18683	22.216	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	18732	23.047	ug/l	99
28) Bromochloromethane	7.51	49	10223	21.389	ug/l	100
29) Tetrahydrofuran	7.53	42	11766	108.607	ug/l	97
30) Chloroform	7.68	83	31850	23.033	ug/l	99
31) Cyclohexane	7.95	56	24088	20.662	ug/l	# 92
32) 1,1,1-Trichloroethane	7.87	97	27343	22.549	ug/l	98
36) 1,1-Dichloropropene	8.08	75	23263	22.319	ug/l	100
37) Ethyl Acetate	7.25	43	8348	21.534	ug/l	98
38) Carbon Tetrachloride	8.07	117	26127	23.038	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28037	22.214	ug/l	94
40) Benzene	8.32	78	65491	22.641	ug/l	97
41) Methacrylonitrile	7.49	41	4652	21.073	ug/l	94
42) 1,2-Dichloroethane	8.40	62	20841	22.937	ug/l	100
43) Isopropyl Acetate	8.43	43	17066	22.286	ug/l	98
44) Trichloroethene	9.09	130	18827	22.793	ug/l	97
45) 1,2-Dichloropropane	9.37	63	15291	22.844	ug/l	99
46) Dibromomethane	9.46	93	8815	23.190	ug/l	100
47) Bromodichloromethane	9.65	83	23174	23.242	ug/l	94
48) Methyl methacrylate	9.44	41	8360	21.257	ug/l	94
49) 1,4-Dioxane	9.45	88	3055	495.316	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	40139	110.936	ug/l	99
52) Toluene	10.39	92	44419	23.729	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	22573	23.320	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	25349	22.653	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12561	24.280	ug/l	94
56) Ethyl methacrylate	10.65	69	14327	23.040	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20560	24.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	30813	107.453	ug/l	97
59) 2-Hexanone	10.97	43	27261	112.993	ug/l	98
60) Dibromochloromethane	11.13	129	15703	24.051	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12257	23.974	ug/l	94
64) Tetrachloroethene	10.87	164	17042	22.637	ug/l	94
65) Chlorobenzene	11.66	112	49479	22.676	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17532	22.813	ug/l	99
67) Ethyl Benzene	11.73	91	85575	22.811	ug/l	94
68) m/p-Xylenes	11.84	106	67872	46.538	ug/l	97
69) o-Xylene	12.17	106	31434	23.078	ug/l	97
70) Styrene	12.18	104	52959	24.072	ug/l	97
71) Bromoform	12.35	173	8722	22.173	ug/l #	98
73) Isopropylbenzene	12.47	105	87575	21.619	ug/l	99
74) N-amyl acetate	12.27	43	15294	20.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	13410	22.351	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	18499	42.438	ug/l #	1
77) Bromobenzene	12.75	156	19848	22.104	ug/l	96
78) n-propylbenzene	12.81	91	102253	22.429	ug/l	99
79) 2-Chlorotoluene	12.90	91	60055	21.771	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	76694	22.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3893	19.728	ug/l	97
82) 4-Chlorotoluene	12.99	91	63449	21.821	ug/l	96
83) tert-Butylbenzene	13.21	119	66467	22.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	78187	22.322	ug/l	99
85) sec-Butylbenzene	13.39	105	91425	22.330	ug/l	96
86) p-Isopropyltoluene	13.51	119	82679	22.479	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	40602	22.679	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	40214	22.343	ug/l	98
89) n-Butylbenzene	13.83	91	74262	21.779	ug/l	99
90) Hexachloroethane	14.10	117	14376	21.967	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	36438	22.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2555	21.220	ug/l	96

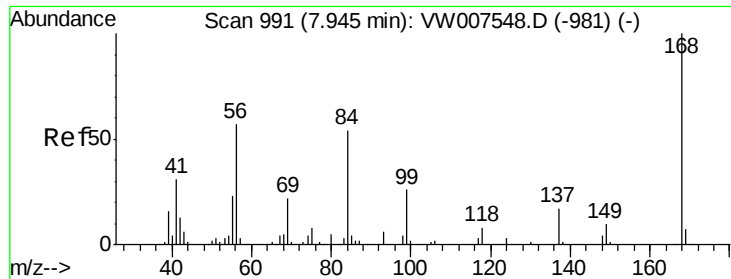
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24651	22.339	ug/l	96
94) Hexachlorobutadiene	15.24	225	12809	21.877	ug/l	98
95) Naphthalene	15.38	128	46598	22.074	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	21246	22.164	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

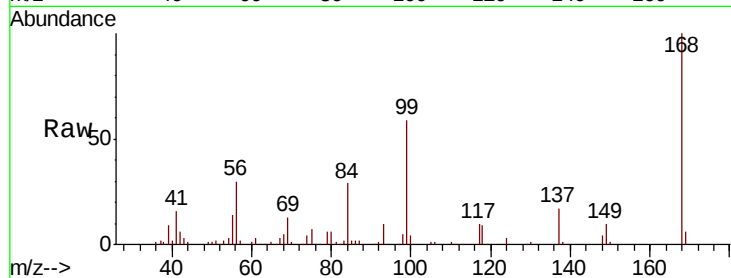
VW1218SBS01

Tgt Ion:168 Resp: 67644

Ion Ratio Lower Upper

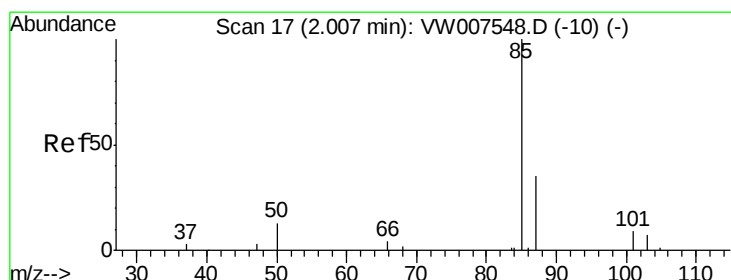
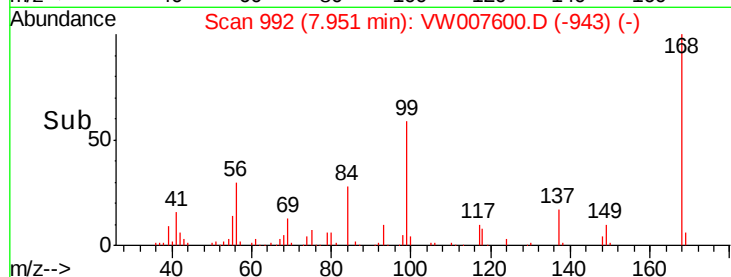
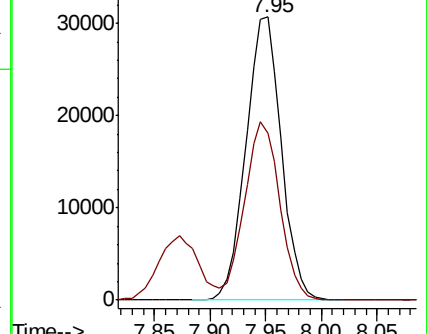
168 100

99 59.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.832 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007600.D

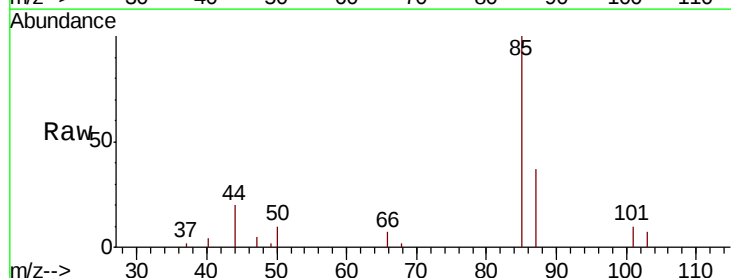
Acq: 16 Dec 2018 00:47

Tgt Ion: 85 Resp: 11738

Ion Ratio Lower Upper

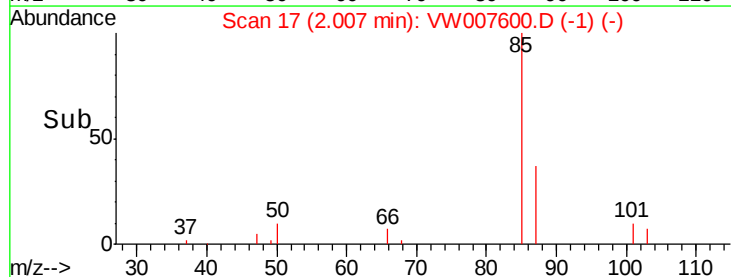
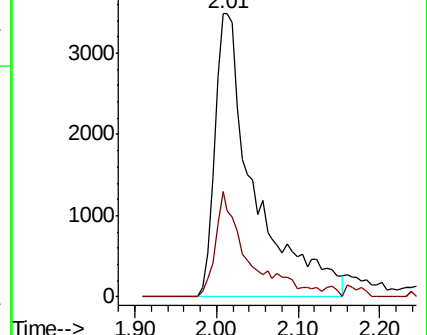
85 100

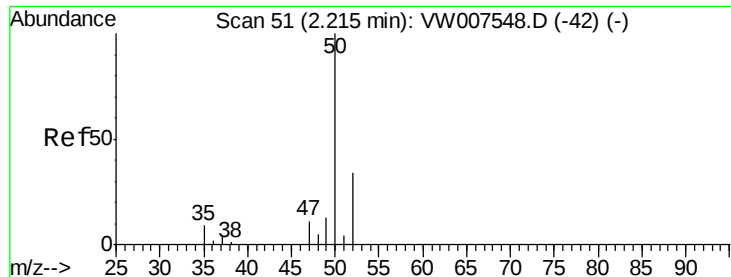
87 37.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.736 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

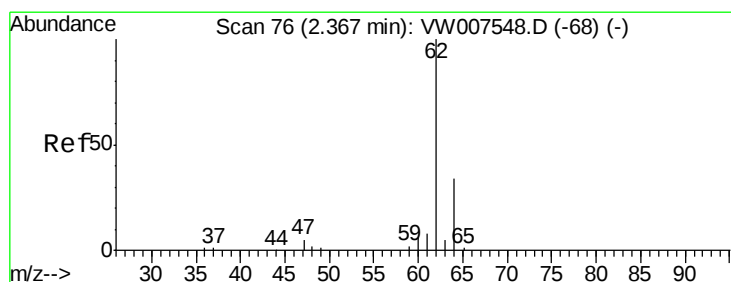
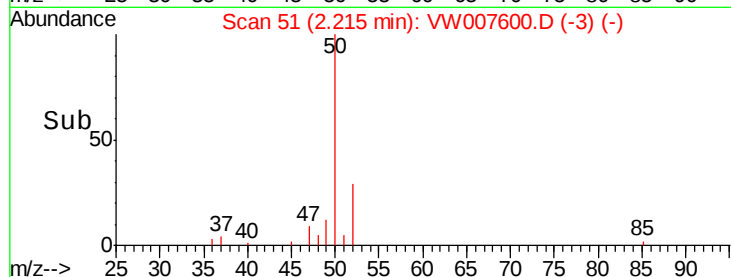
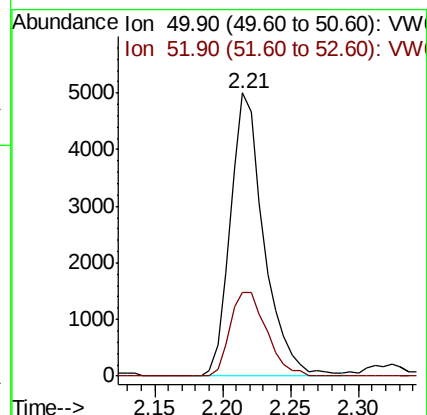
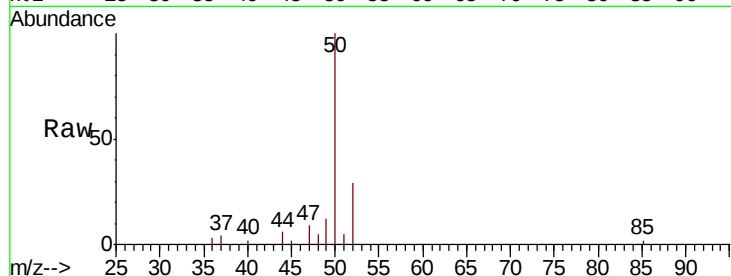
VW1218SBS01

Tgt Ion: 50 Resp: 8605

Ion Ratio Lower Upper

50 100

52 29.4 27.4 41.0



#4

Vinyl Chloride

Concen: 22.433 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007600.D

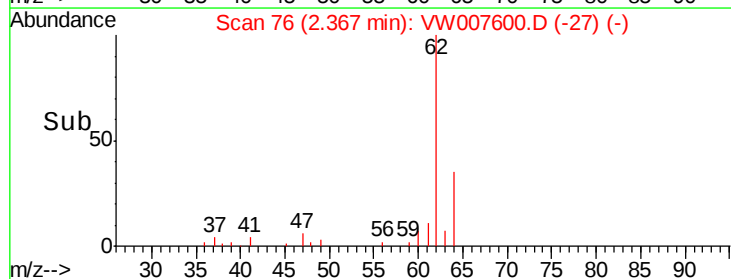
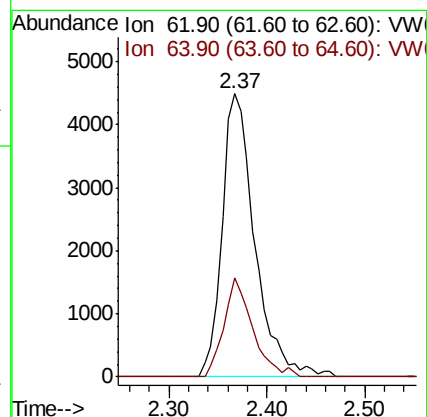
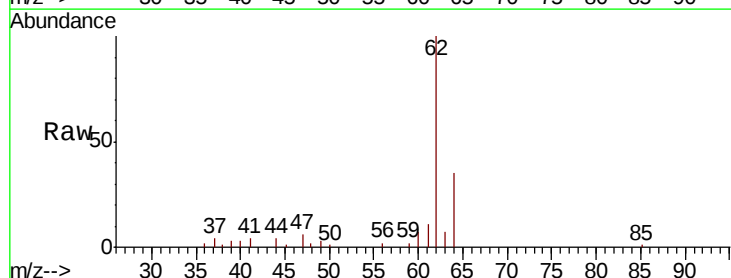
Acq: 16 Dec 2018 00:47

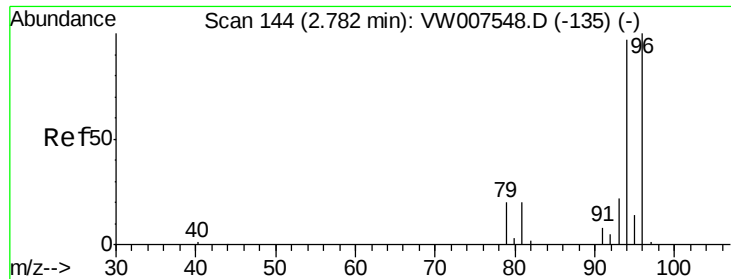
Tgt Ion: 62 Resp: 10422

Ion Ratio Lower Upper

62 100

64 34.8 24.6 37.0





#5

Bromomethane

Concen: 22.726 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

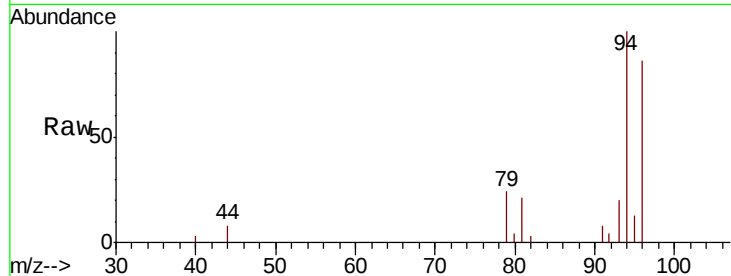
VW1218SBS01

Tgt Ion: 94 Resp: 7094

Ion Ratio Lower Upper

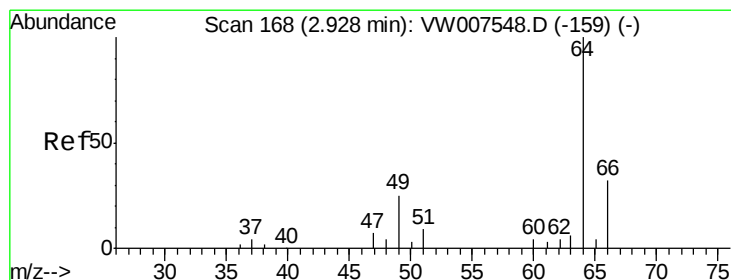
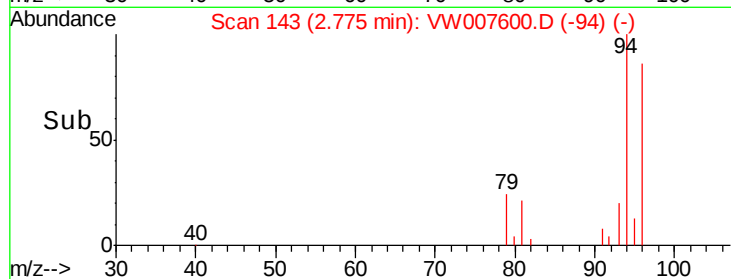
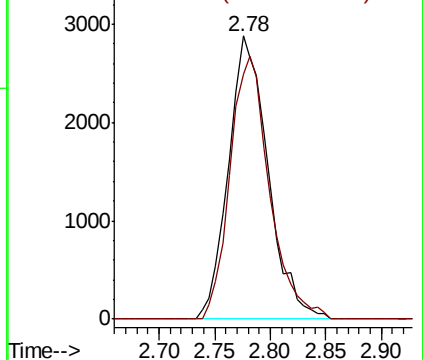
94 100

96 86.3 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.424 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007600.D

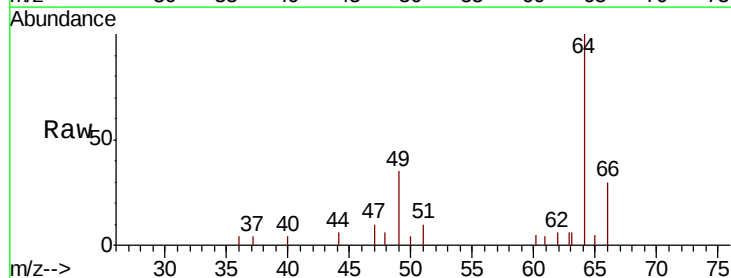
Acq: 16 Dec 2018 00:47

Tgt Ion: 64 Resp: 5479

Ion Ratio Lower Upper

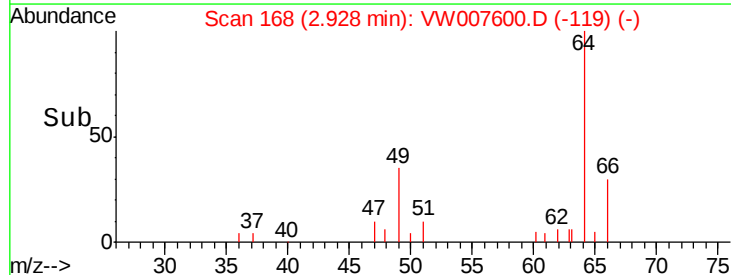
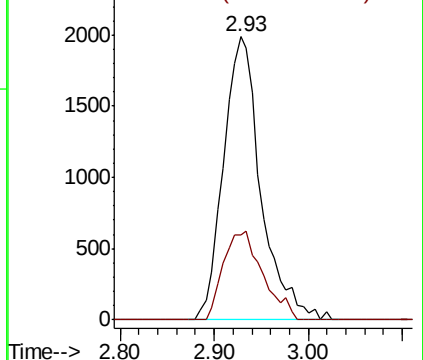
64 100

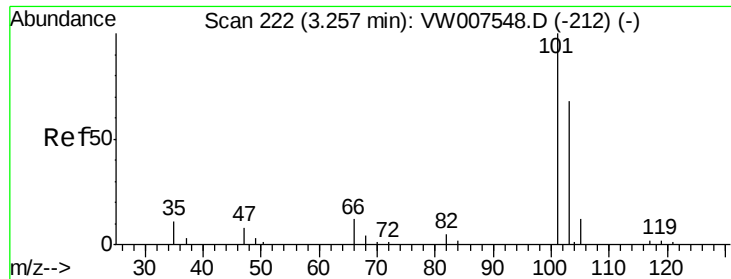
66 29.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



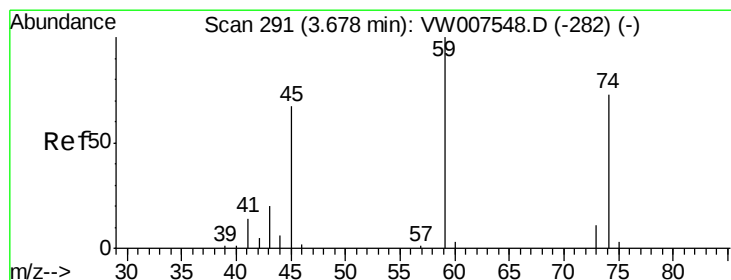
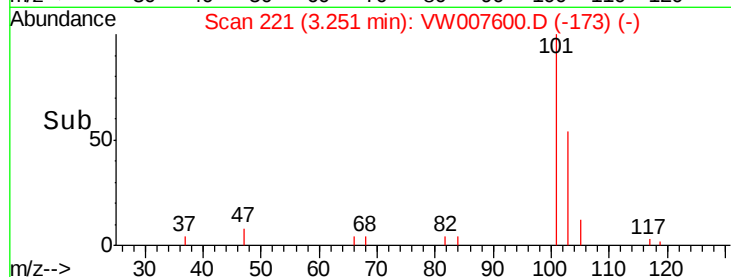
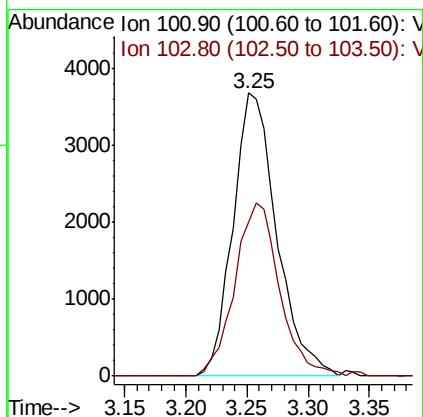
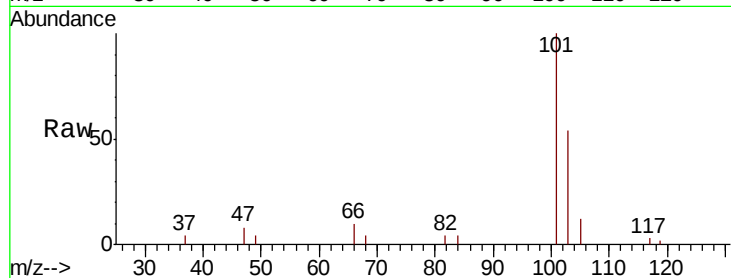


#7

Trichlorofluoromethane
 Concen: 21.890 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

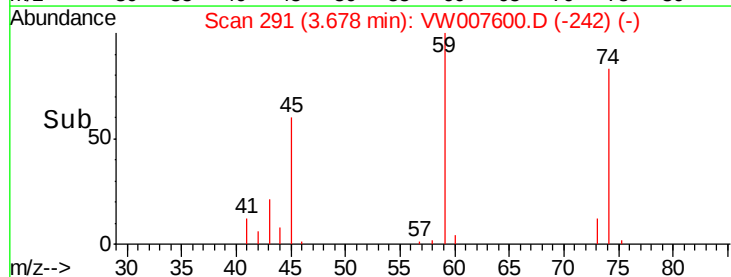
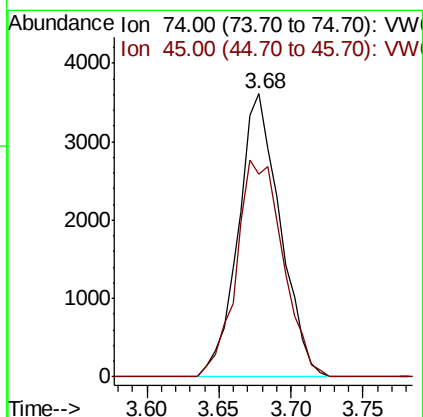
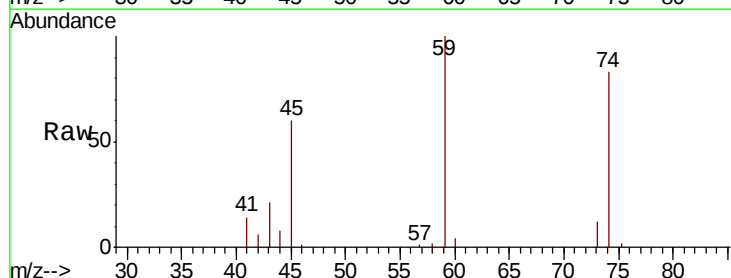
Tgt Ion: 101 Resp: 9143
 Ion Ratio Lower Upper
 101 100
 103 54.3 51.7 77.5

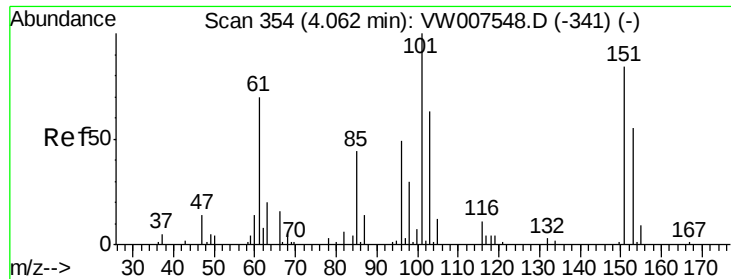


#8

Diethyl Ether
 Concen: 22.263 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 74 Resp: 7278
 Ion Ratio Lower Upper
 74 100
 45 85.1 43.0 129.0

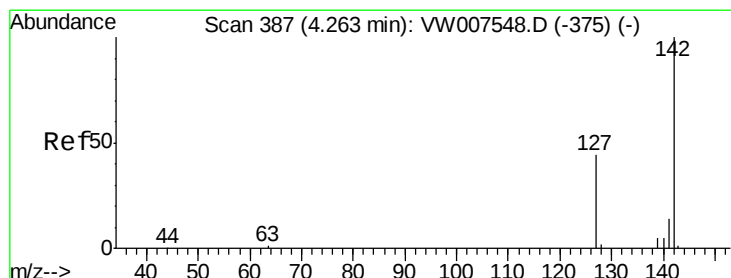
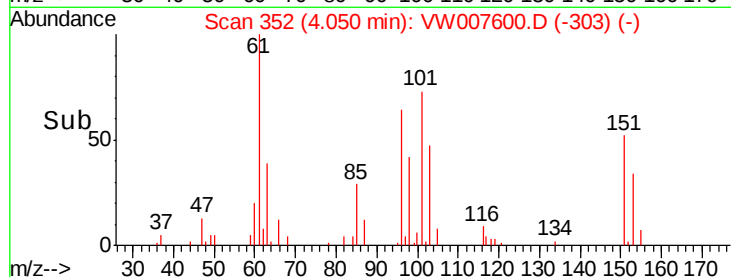
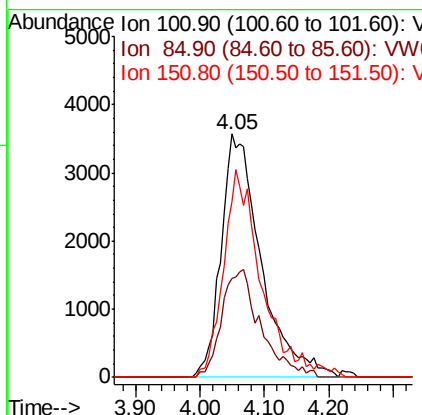
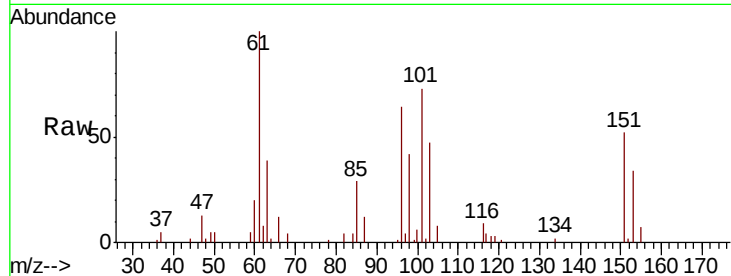




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.401 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

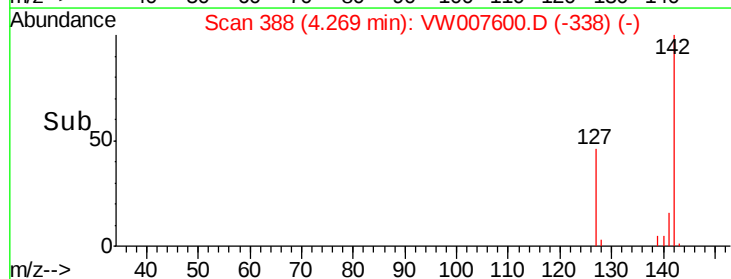
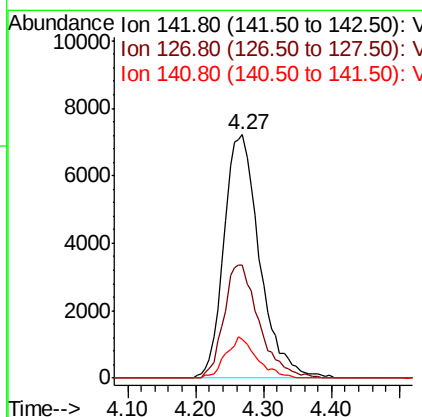
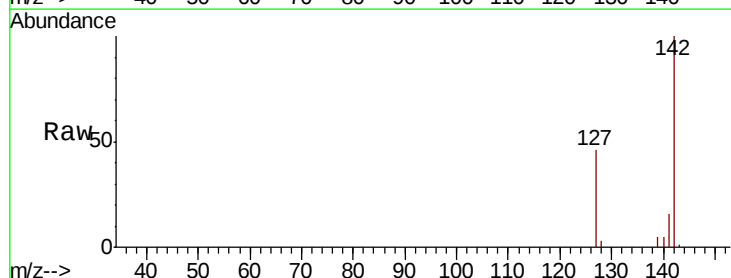
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

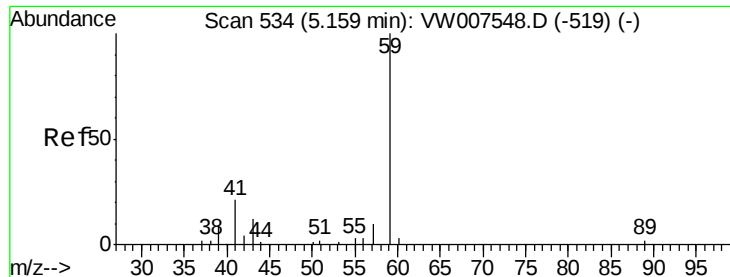
Tgt Ion:101 Resp: 15439
 Ion Ratio Lower Upper
 101 100
 85 43.2 33.9 50.9
 151 79.7 63.7 95.5



#10
 Methyl Iodide
 Concen: 22.999 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion:142 Resp: 26252
 Ion Ratio Lower Upper
 142 100
 127 45.7 35.8 53.6
 141 14.7 11.1 16.7

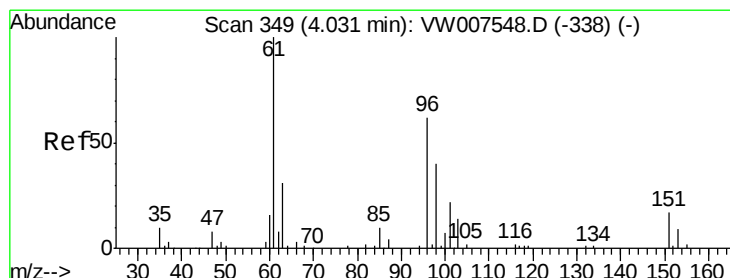
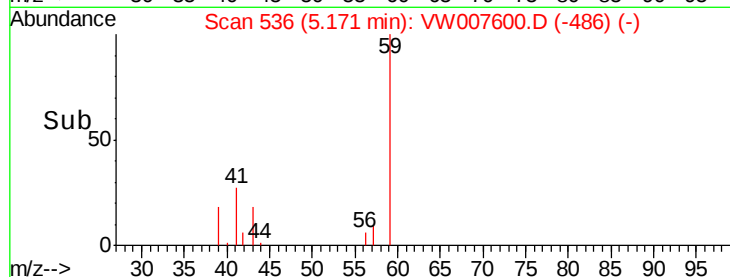
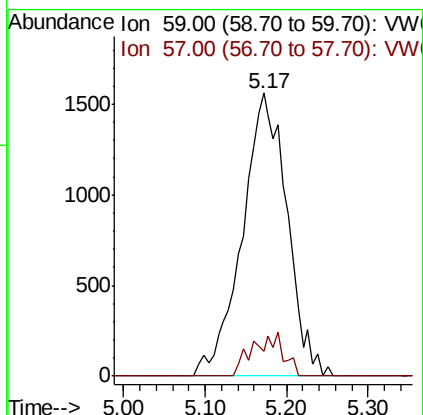
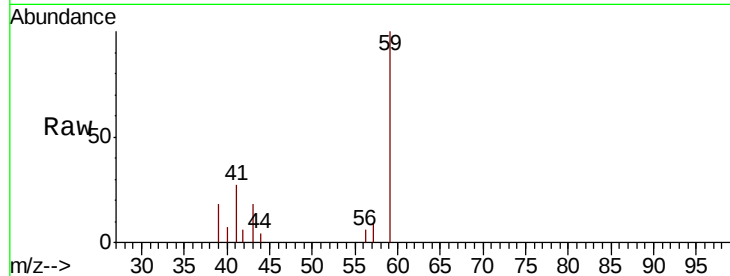




#11
Tert butyl alcohol
Concen: 115.521 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

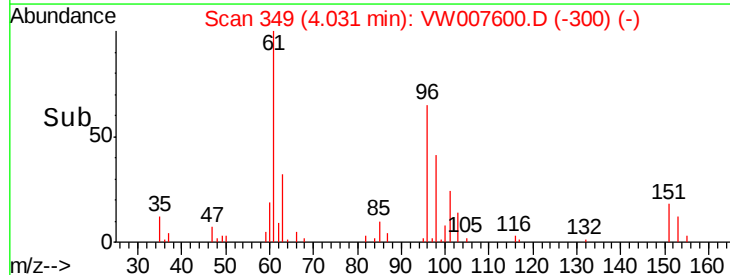
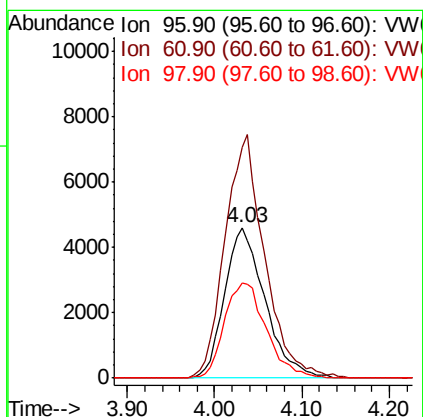
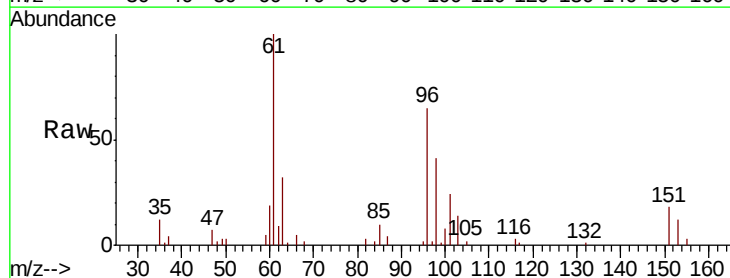
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

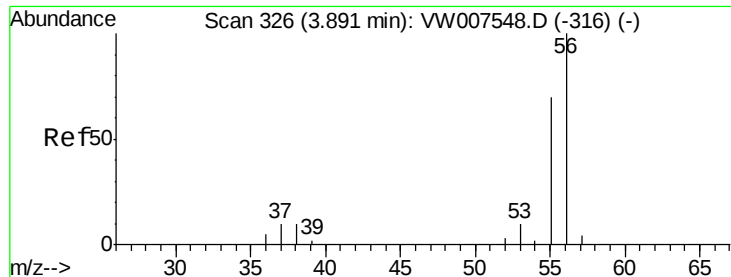
Tgt Ion: 59 Resp: 5954
Ion Ratio Lower Upper
59 100
57 10.4 7.6 11.4



#12
1,1-Dichloroethene
Concen: 22.210 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 96 Resp: 14738
Ion Ratio Lower Upper
96 100
61 153.7 126.2 189.2
98 63.7 48.3 72.5





#13

Acrolein

Concen: 100.721 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

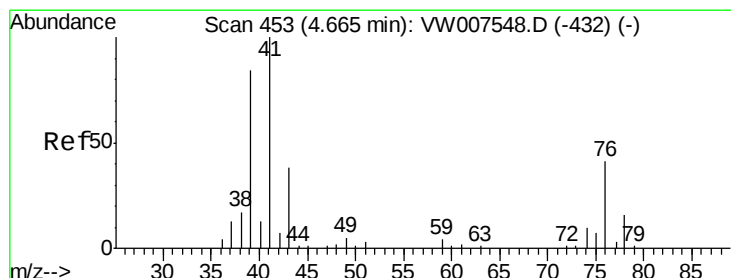
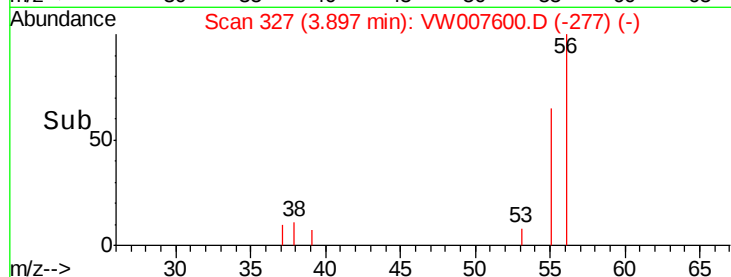
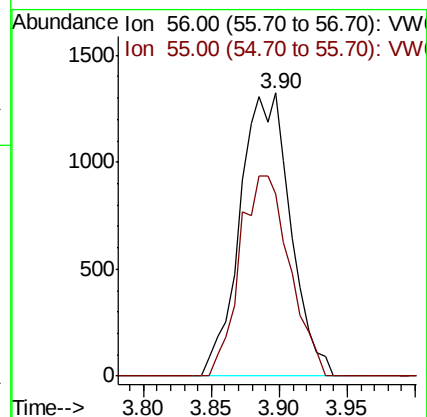
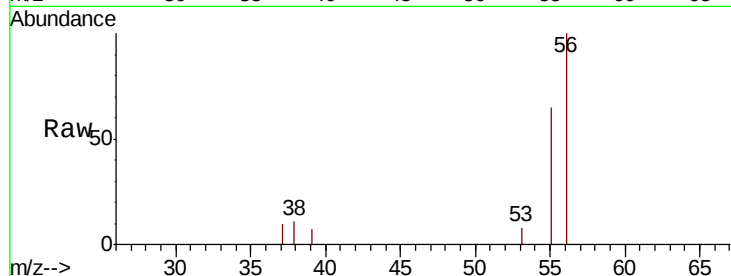
VW1218SBS01

Tgt Ion: 56 Resp: 3435

Ion Ratio Lower Upper

56 100

55 70.1 57.4 86.2



#14

Allyl chloride

Concen: 21.525 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

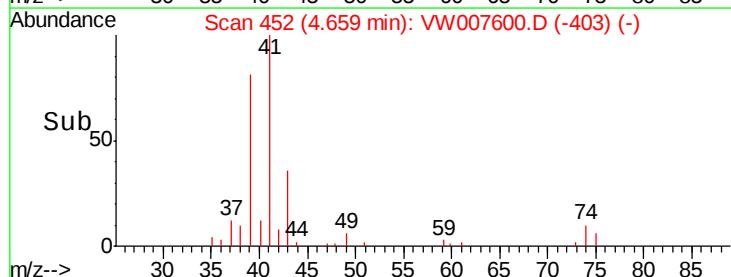
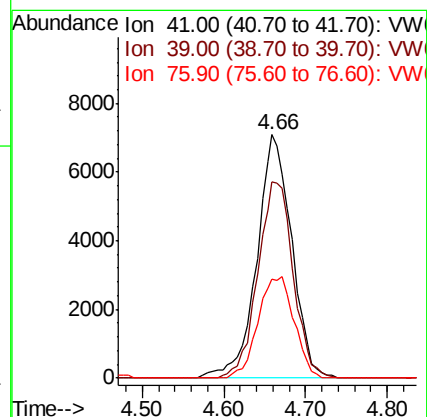
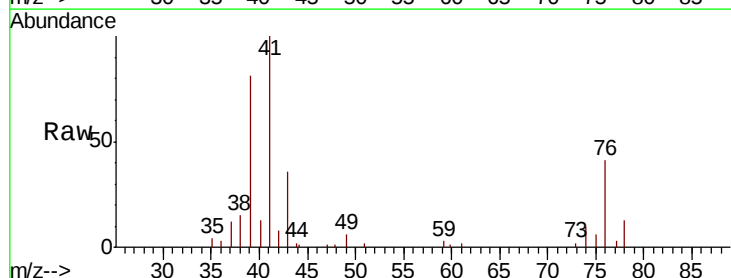
Tgt Ion: 41 Resp: 21054

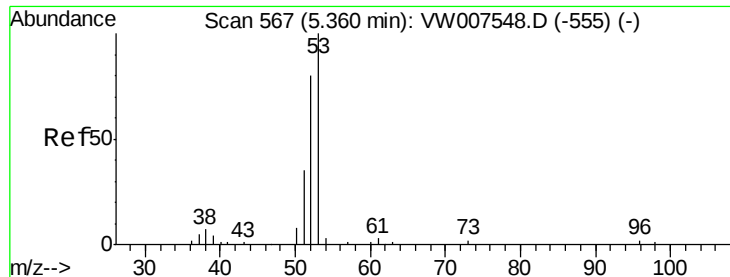
Ion Ratio Lower Upper

41 100

39 81.9 63.4 95.2

76 43.0 32.1 48.1





#15

Acrylonitrile

Concen: 110.120 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

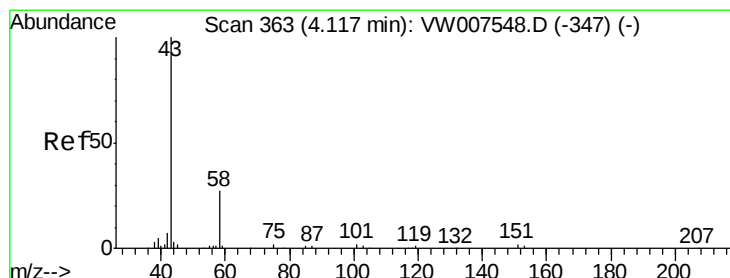
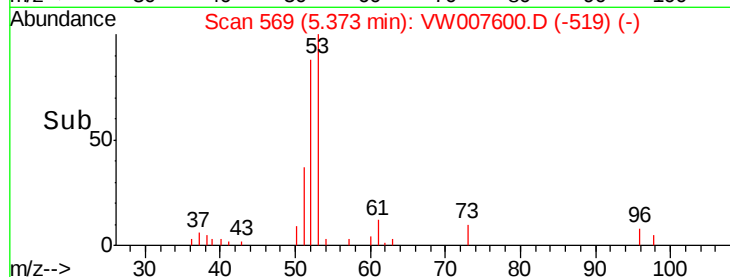
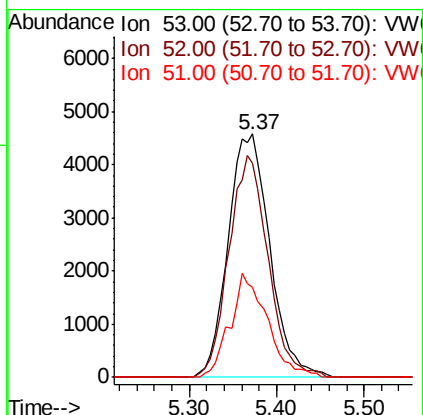
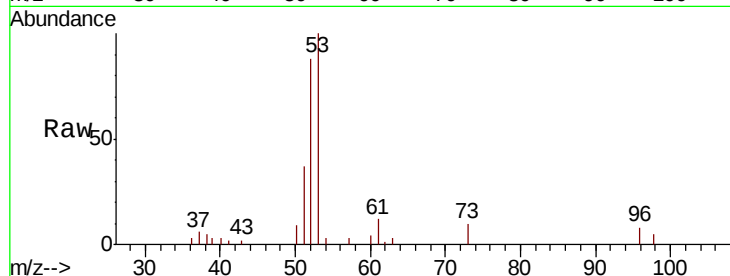
Tgt Ion: 53 Resp: 15176

Ion Ratio Lower Upper

53 100

52 85.6 67.4 101.2

51 38.1 30.2 45.2



#16

Acetone

Concen: 101.036 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007600.D

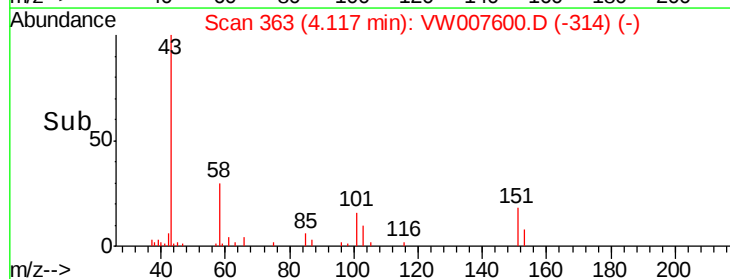
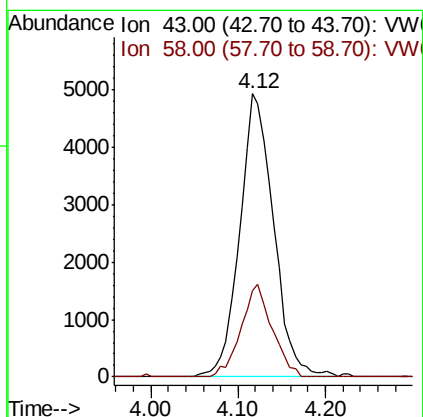
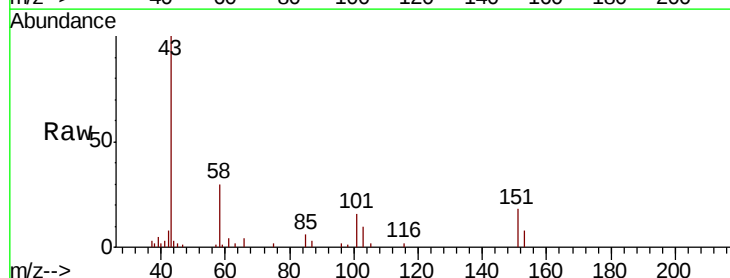
Acq: 16 Dec 2018 00:47

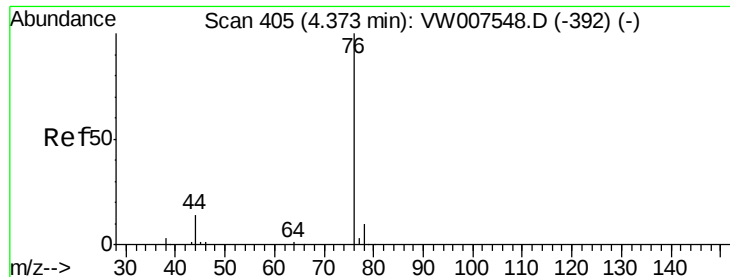
Tgt Ion: 43 Resp: 13244

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3

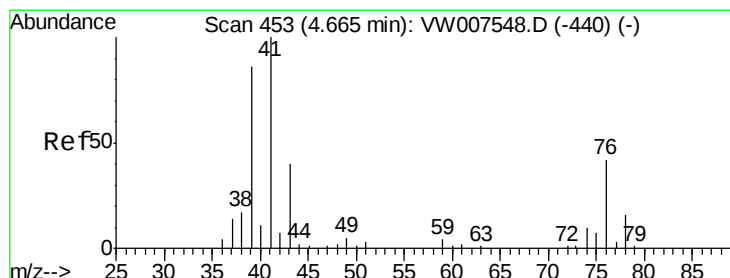
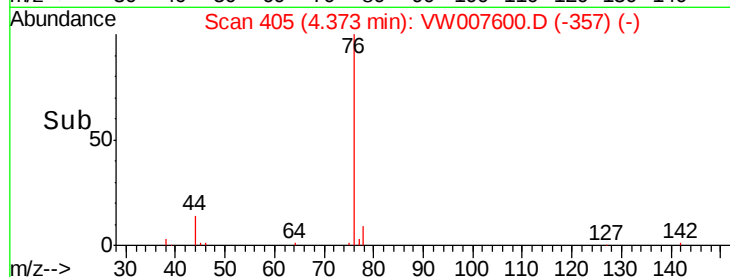
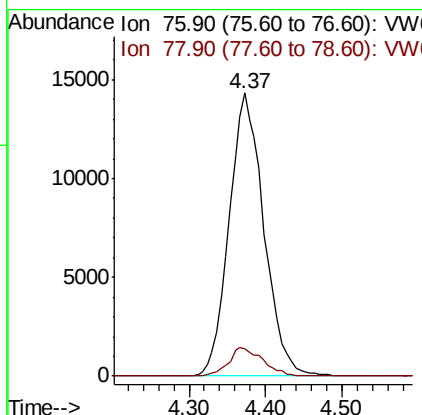
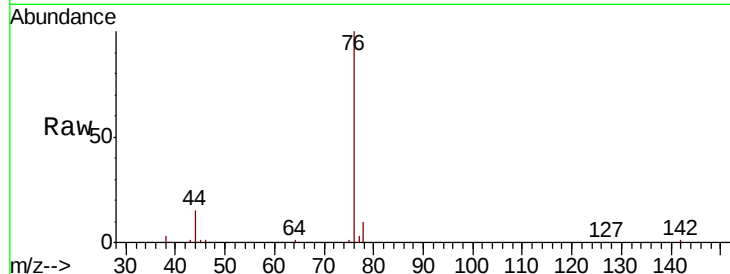




#17
Carbon Disulfide
Concen: 22.352 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

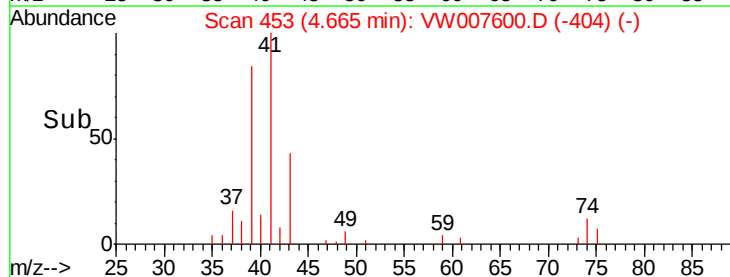
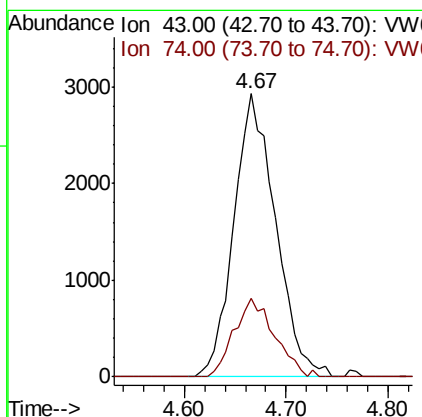
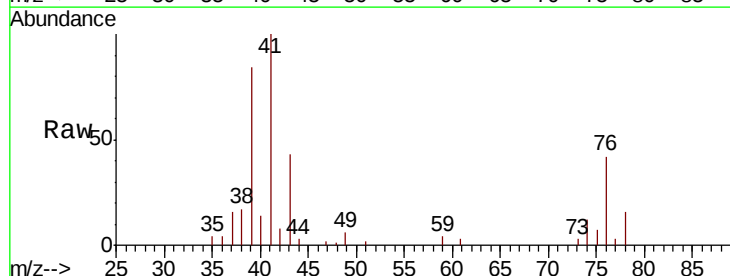
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

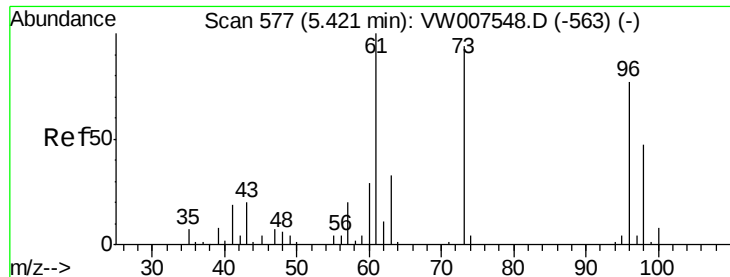
Tgt Ion: 76 Resp: 44972
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



#18
Methyl Acetate
Concen: 23.358 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 43 Resp: 8310
Ion Ratio Lower Upper
43 100
74 26.8 21.1 31.7

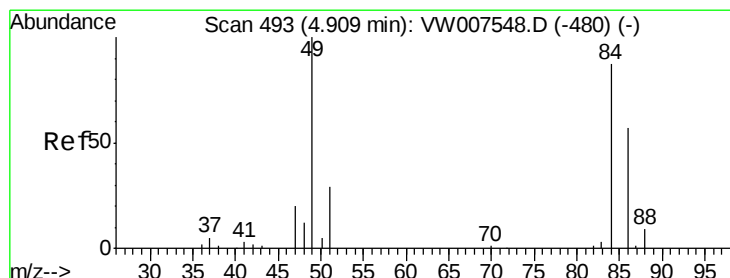
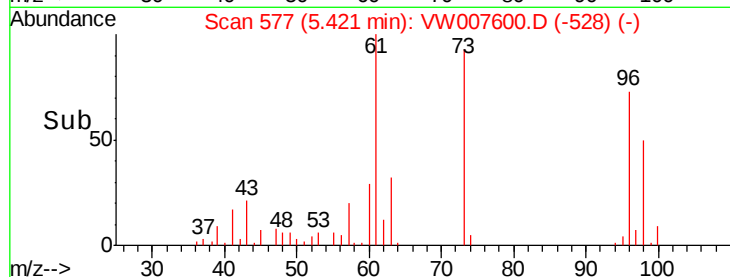
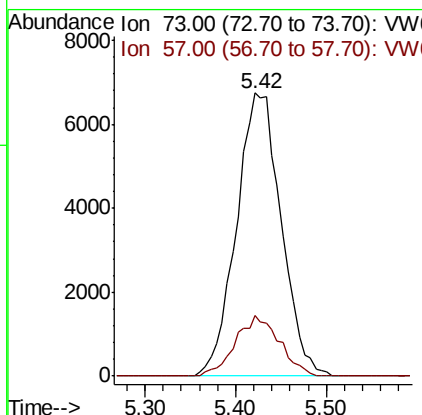
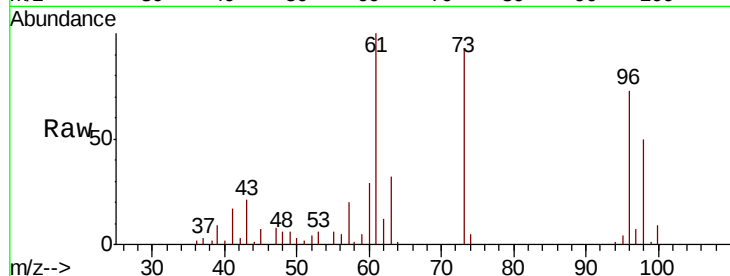




#19
Methyl tert-butyl Ether
Concen: 23.004 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

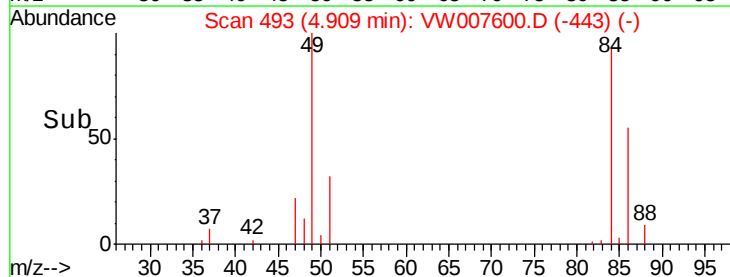
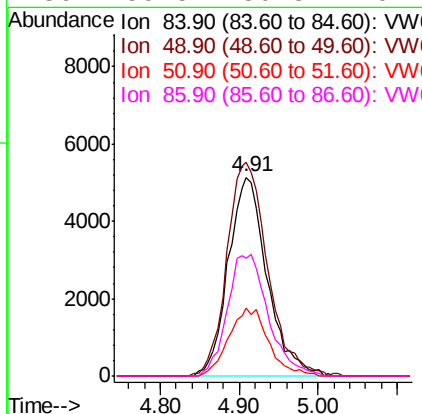
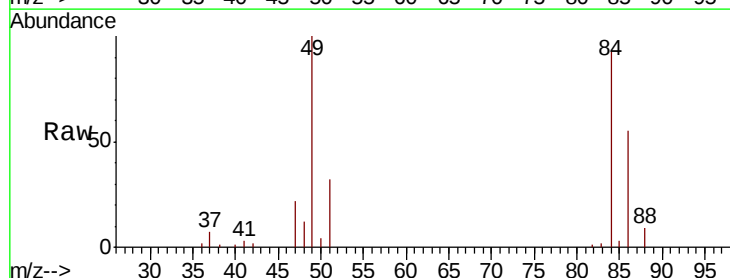
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

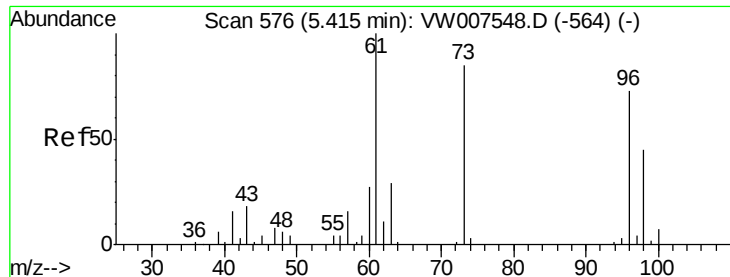
Tgt Ion: 73 Resp: 23028
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6



#20
Methylene Chloride
Concen: 22.366 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 84 Resp: 17585
Ion Ratio Lower Upper
84 100
49 107.5 87.1 130.7
51 34.4 28.2 42.2
86 59.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.116 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

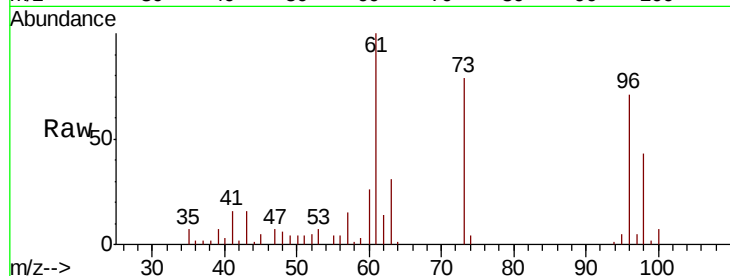
Tgt Ion: 96 Resp: 16417

Ion Ratio Lower Upper

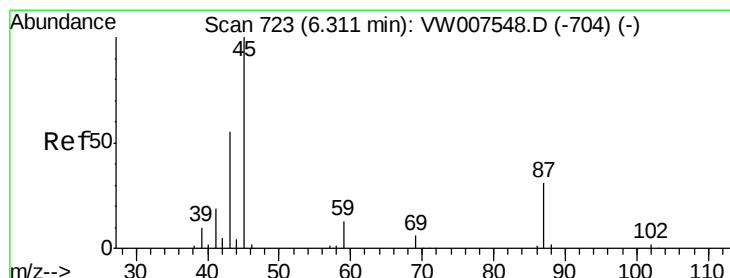
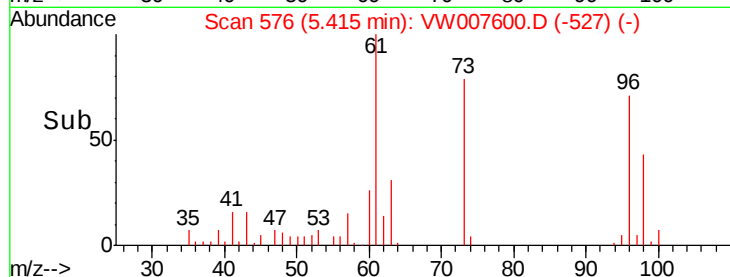
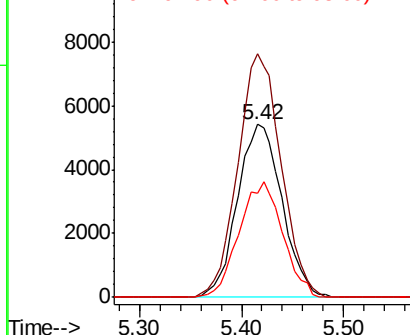
96 100

61 140.9 105.0 157.6

98 60.1 49.7 74.5



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



#22

Diisopropyl ether

Concen: 22.336 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Tgt Ion: 45 Resp: 41993

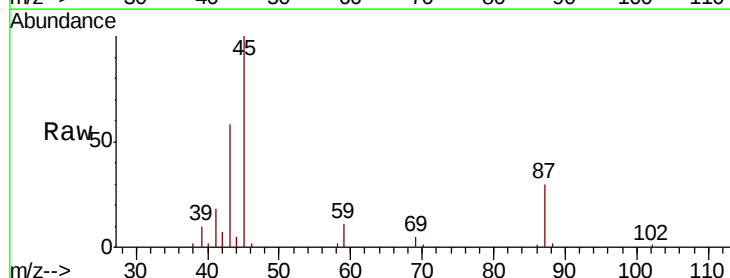
Ion Ratio Lower Upper

45 100

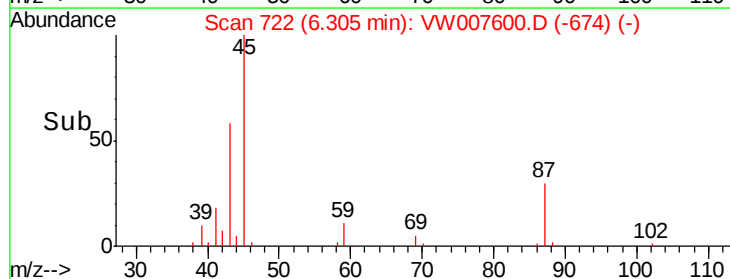
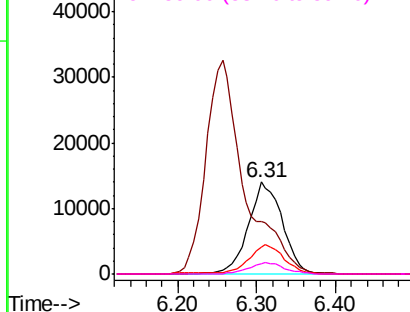
43 57.3 41.6 62.4

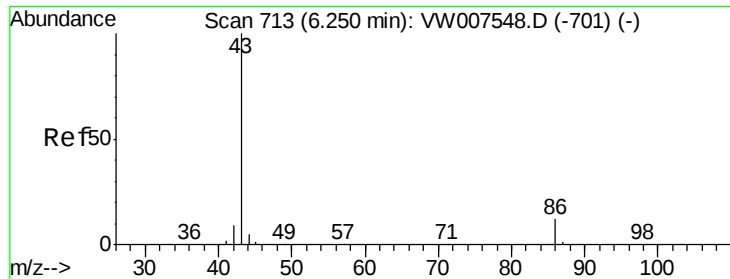
87 29.5 24.3 36.5

59 11.3 9.4 14.0



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

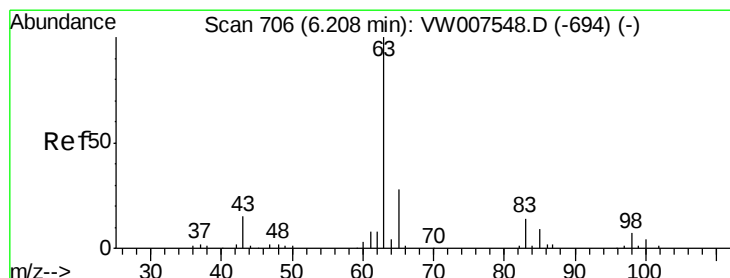
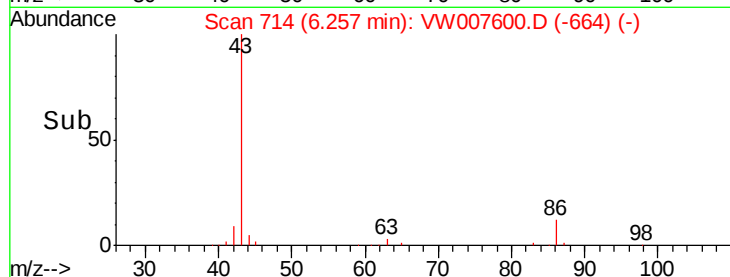
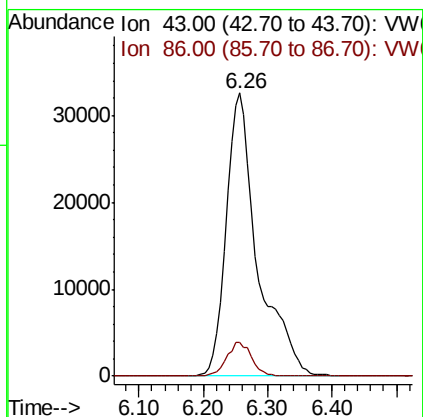
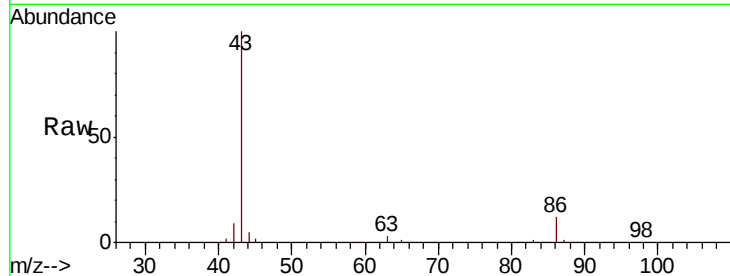




#23
 Vinyl Acetate
 Concen: 105.976 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

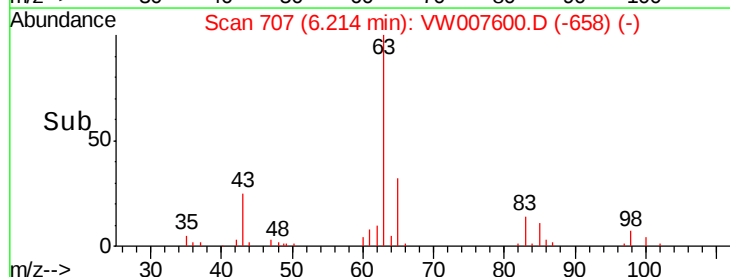
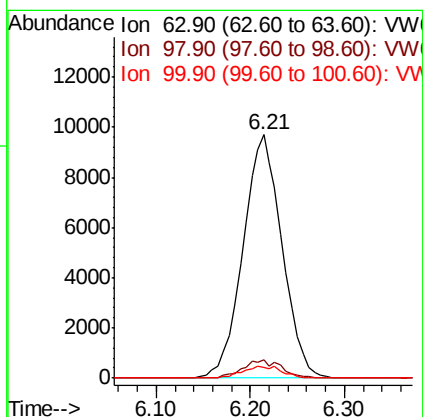
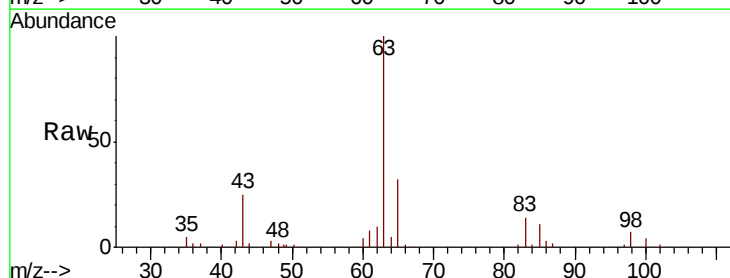
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

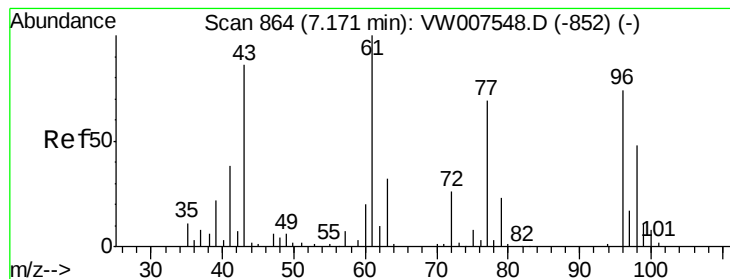
Tgt Ion: 43 Resp: 111443
 Ion Ratio Lower Upper
 43 100
 86 12.2 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 22.030 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 63 Resp: 27993
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.4
 100 4.4 2.5 7.5





#25

2-Butanone

Concen: 104.758 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

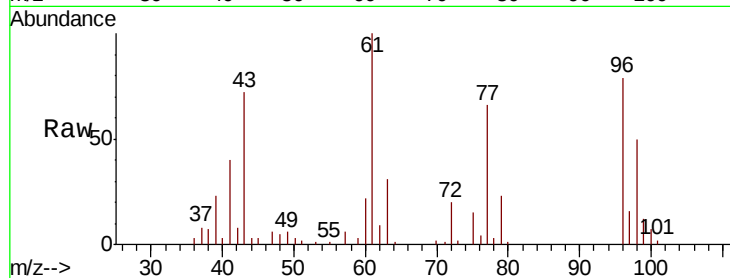
VW1218SBS01

Tgt Ion: 43 Resp: 17927

Ion Ratio Lower Upper

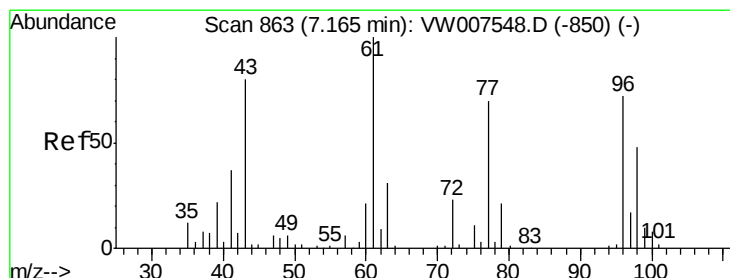
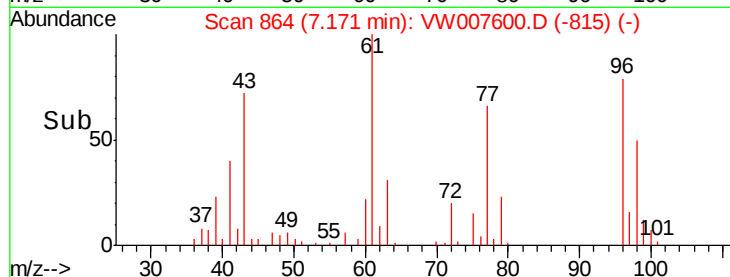
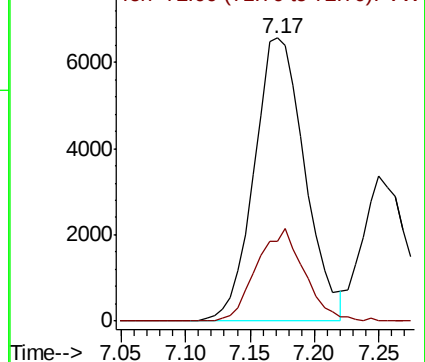
43 100

72 28.0 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 22.216 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007600.D

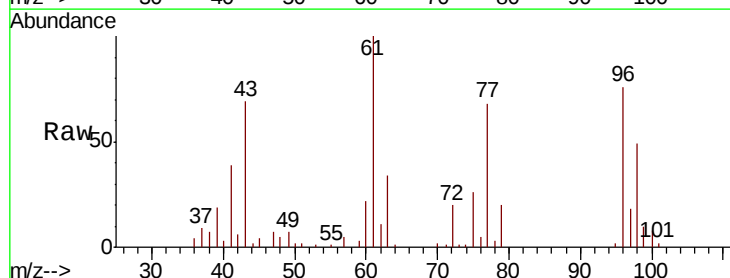
Acq: 16 Dec 2018 00:47

Tgt Ion: 77 Resp: 18683

Ion Ratio Lower Upper

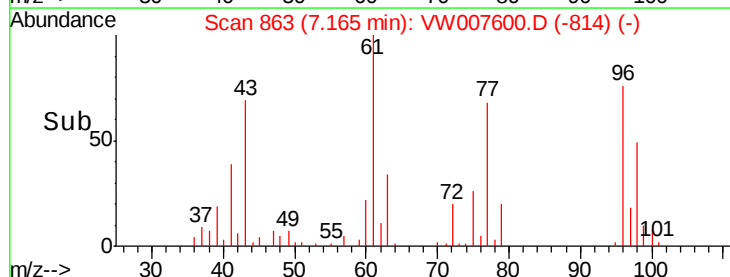
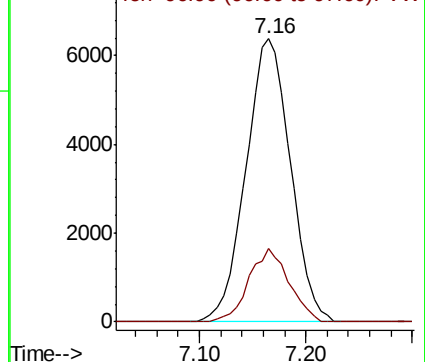
77 100

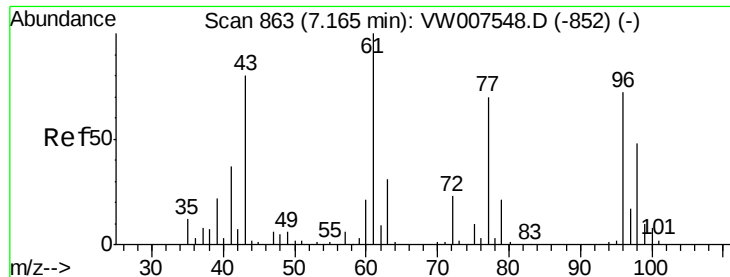
97 23.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



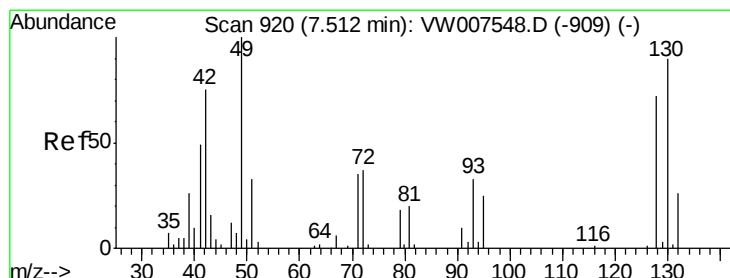
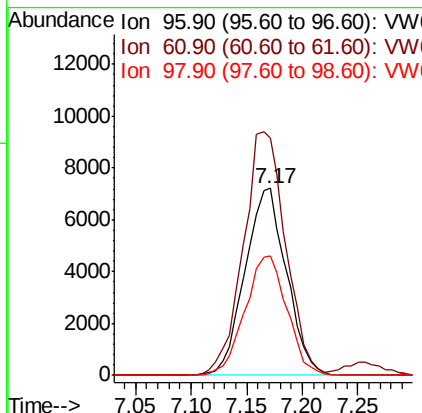
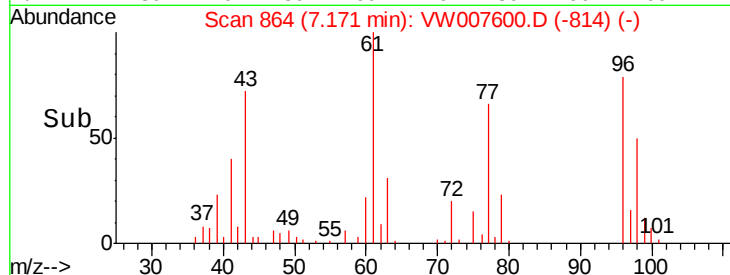
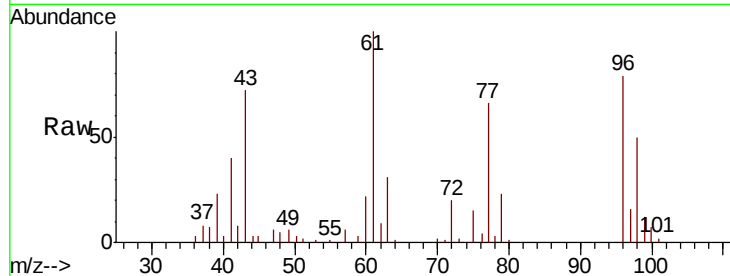


#27

cis-1,2-Dichloroethene
Concen: 23.047 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

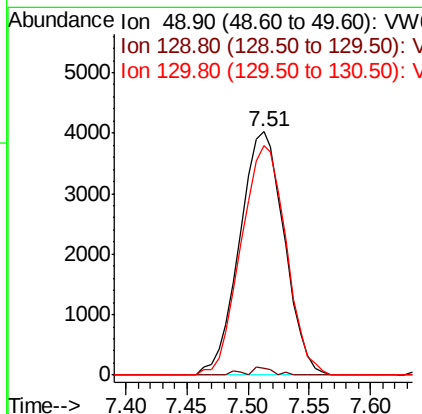
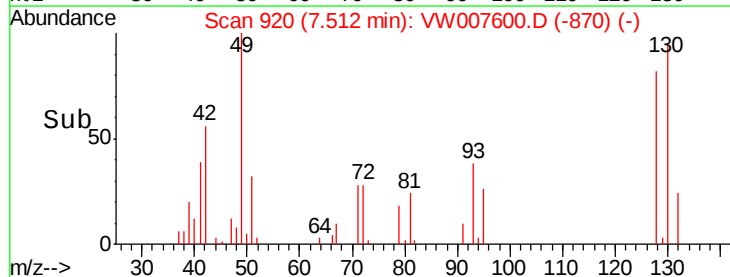
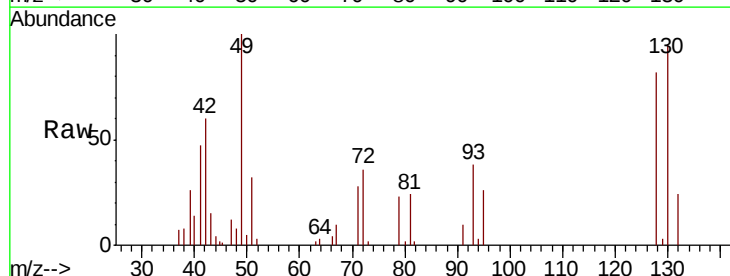
Tgt Ion: 96 Resp: 18732
Ion Ratio Lower Upper
96 100
61 132.5 0.0 268.4
98 64.6 0.0 127.8

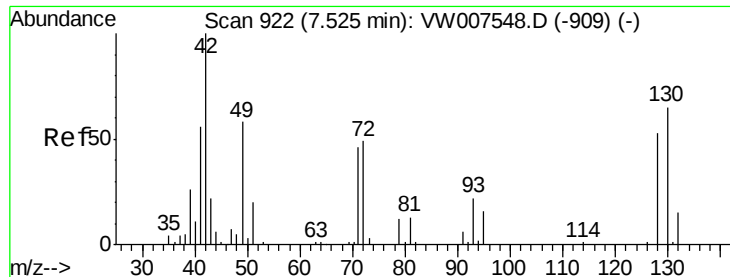


#28

Bromochloromethane
Concen: 21.389 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 49 Resp: 10223
Ion Ratio Lower Upper
49 100
129 1.8 0.0 2.6
130 94.8 75.9 113.9





#29

Tetrahydrofuran

Concen: 108.607 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

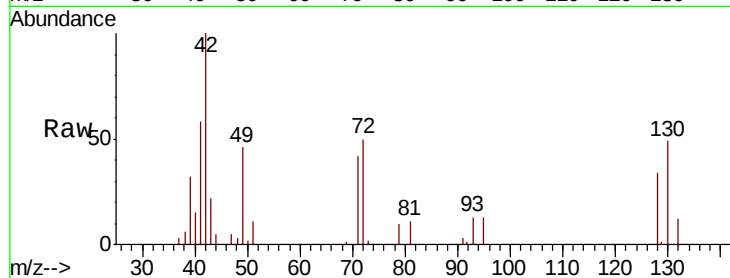
Tgt Ion: 42 Resp: 11766

Ion Ratio Lower Upper

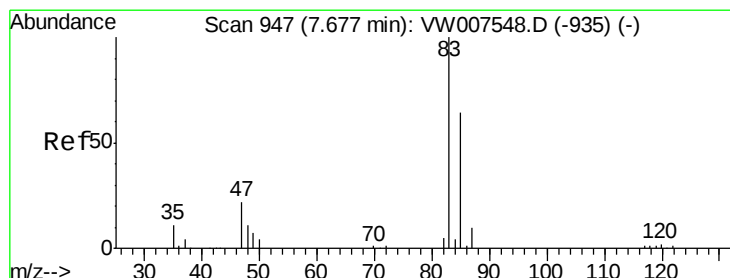
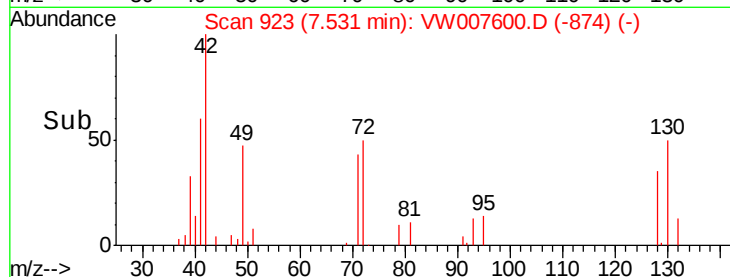
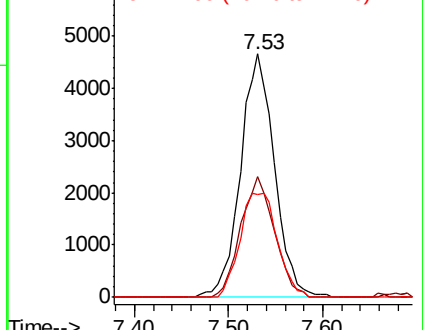
42 100

72 49.0 38.2 57.4

71 47.1 35.5 53.3



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



#30

Chloroform

Concen: 23.033 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007600.D

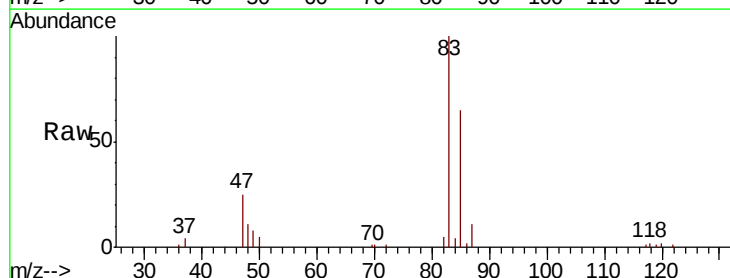
Acq: 16 Dec 2018 00:47

Tgt Ion: 83 Resp: 31850

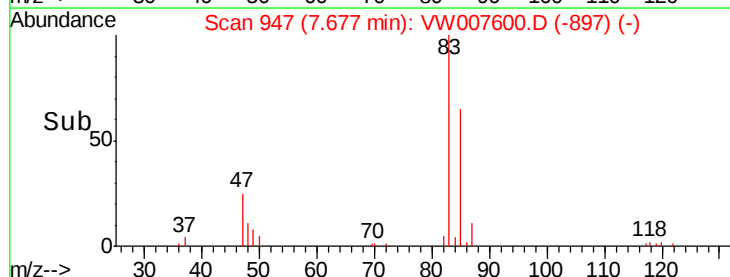
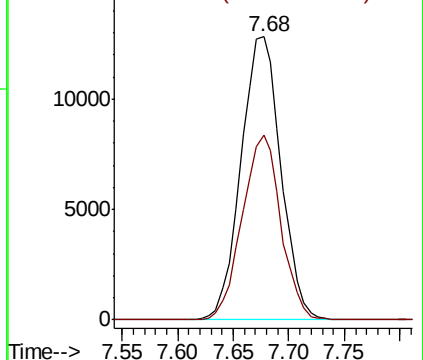
Ion Ratio Lower Upper

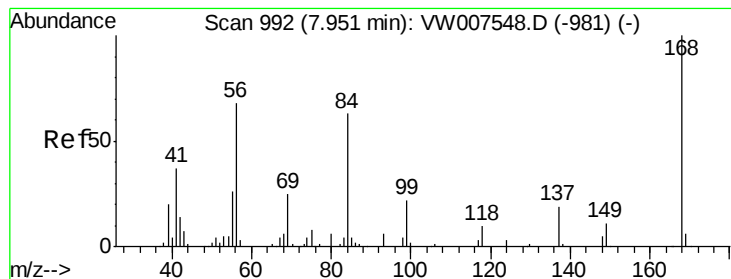
83 100

85 65.3 51.8 77.8



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





#31

Cyclohexane

Concen: 20.662 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

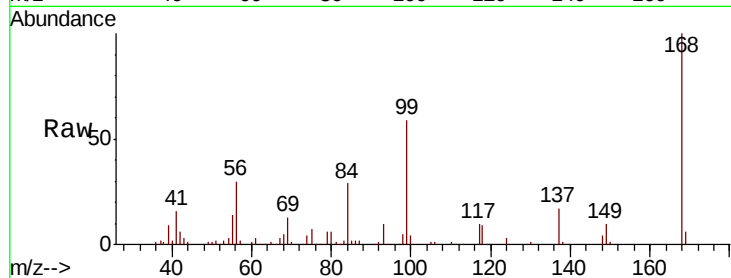
Tgt Ion: 56 Resp: 24088

Ion Ratio Lower Upper

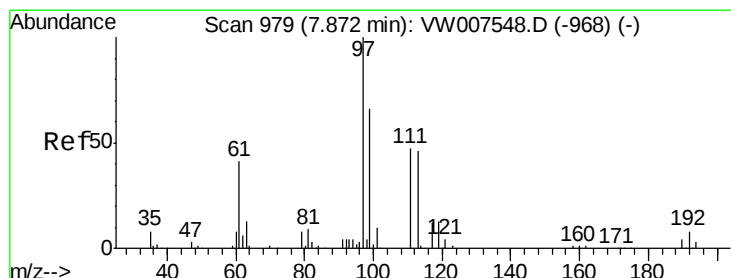
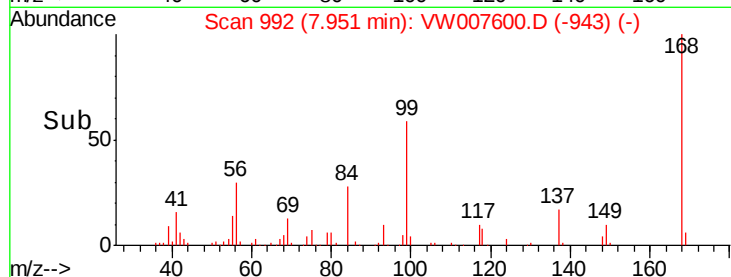
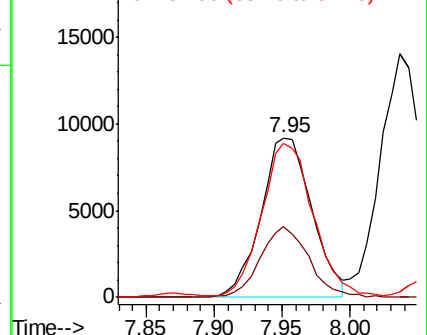
56 100

69 44.6 28.9 43.3#

84 94.6 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 22.549 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

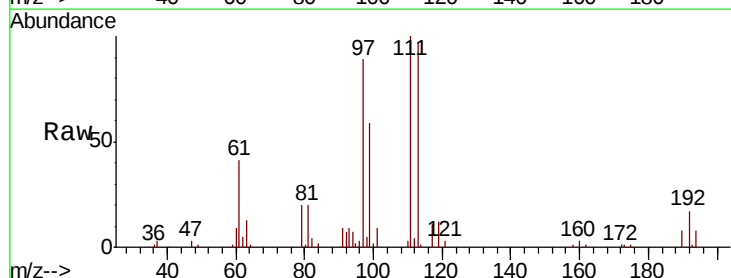
Tgt Ion: 97 Resp: 27343

Ion Ratio Lower Upper

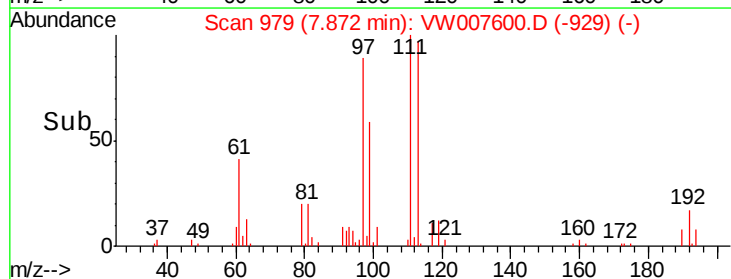
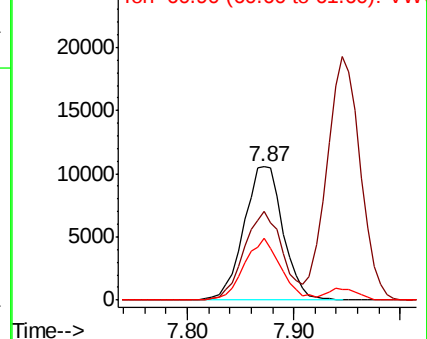
97 100

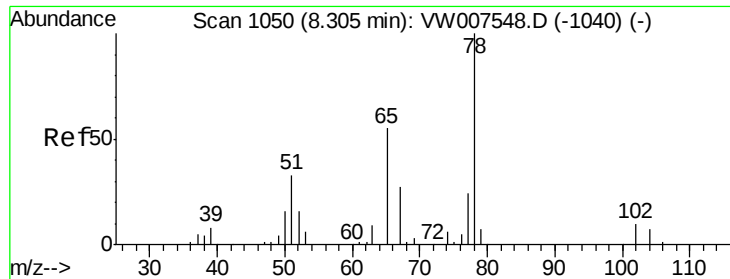
99 65.3 51.1 76.7

61 43.5 33.2 49.8



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

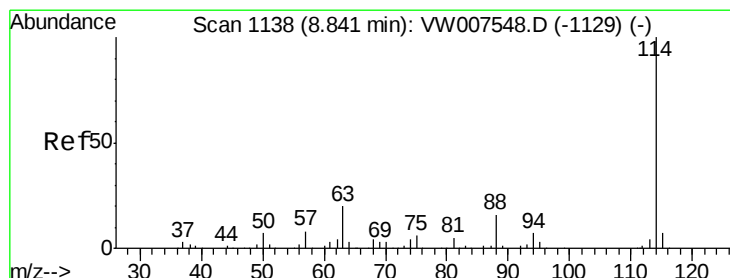
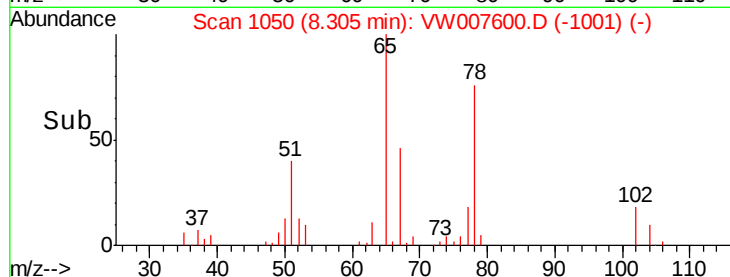
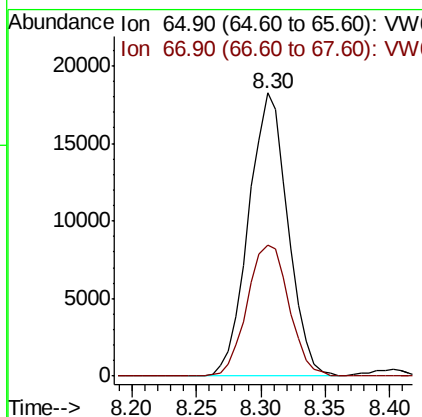
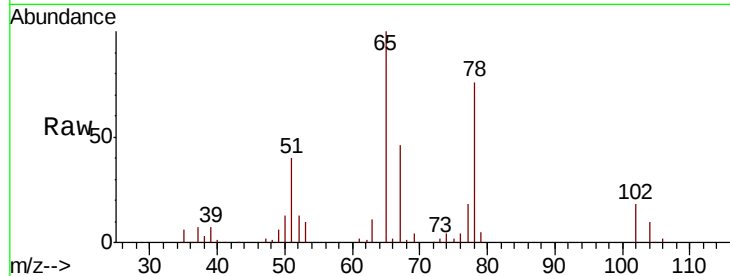




#33
 1,2-Dichloroethane-d4
 Concen: 51.225 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

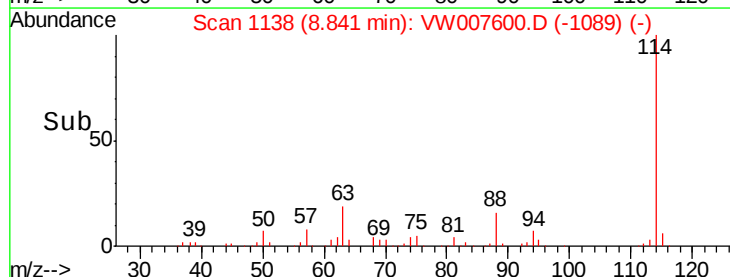
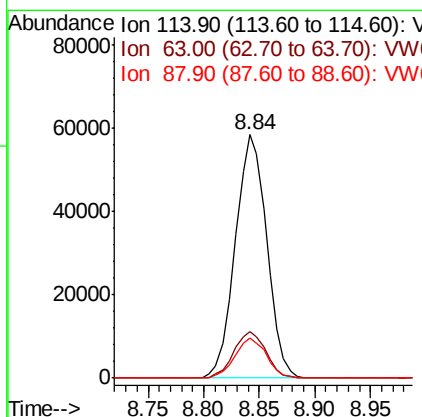
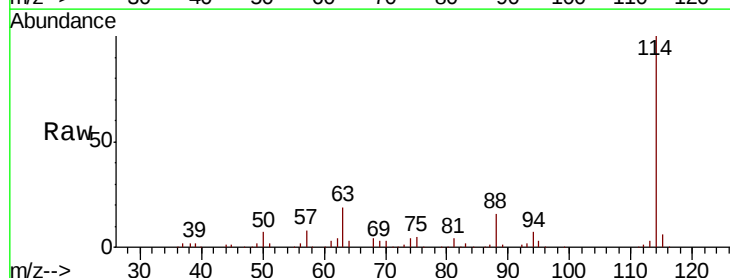
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

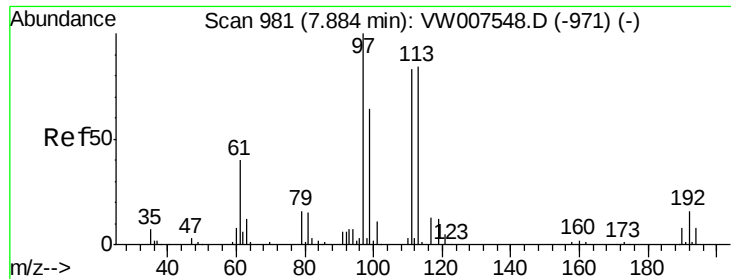
Tgt Ion: 65 Resp: 38442
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 114 Resp: 114257
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 16.3 0.0 31.4

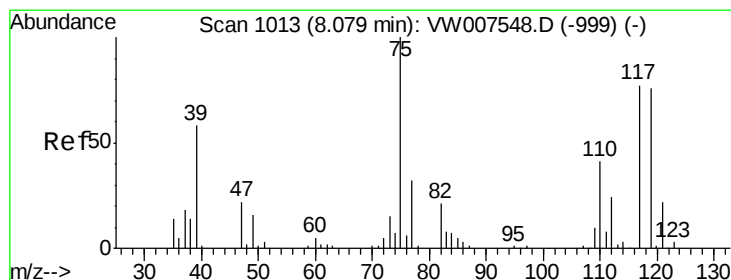
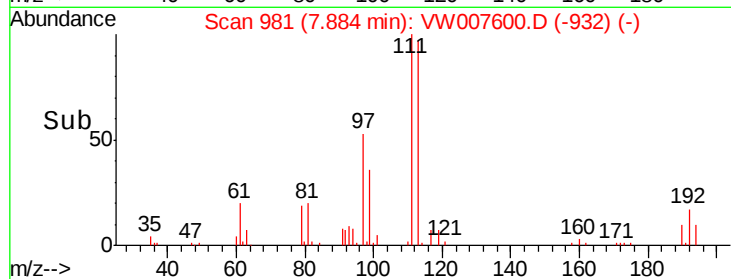
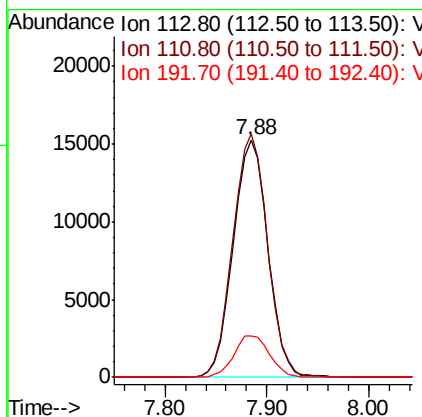
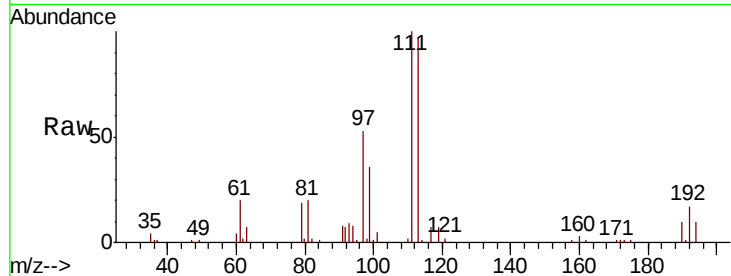




#35
 Dibromofluoromethane
 Concen: 52.046 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

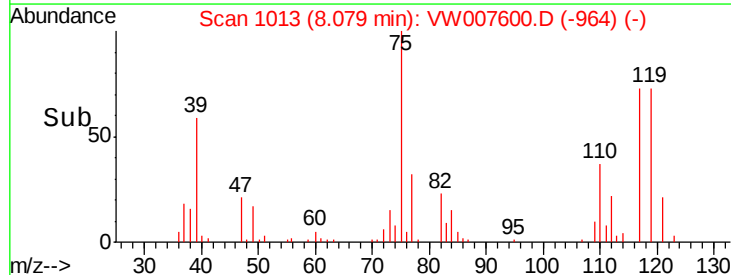
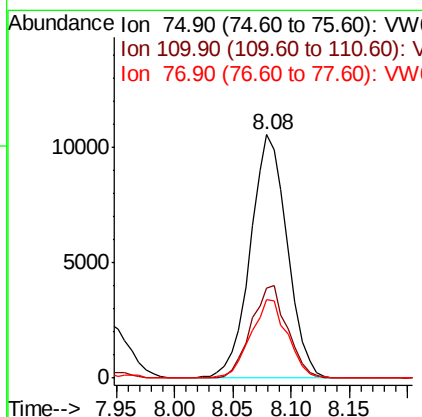
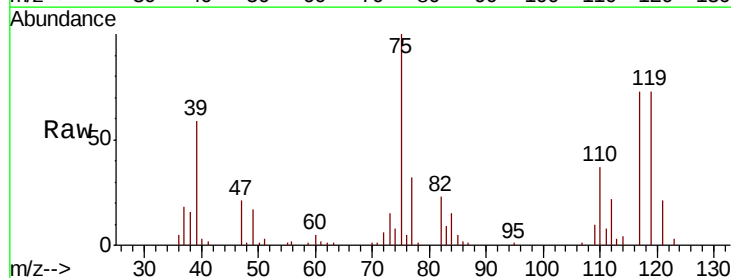
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

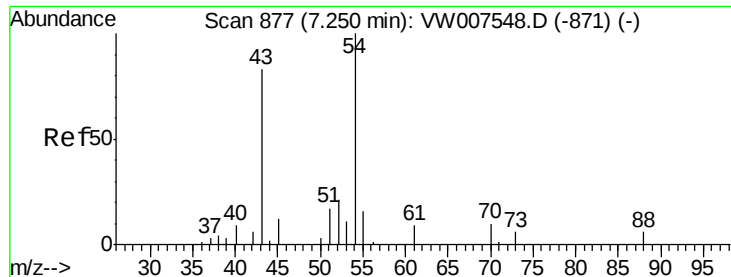
Tgt Ion: 113 Resp: 35997
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 18.0 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 22.319 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 75 Resp: 23263
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.5 55.5
 77 32.0 25.6 38.4

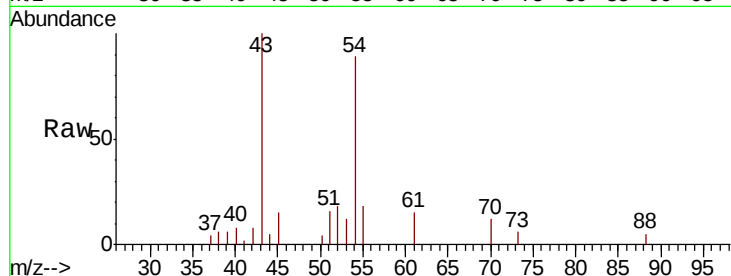




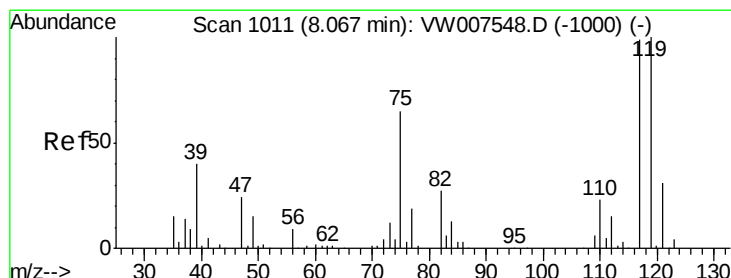
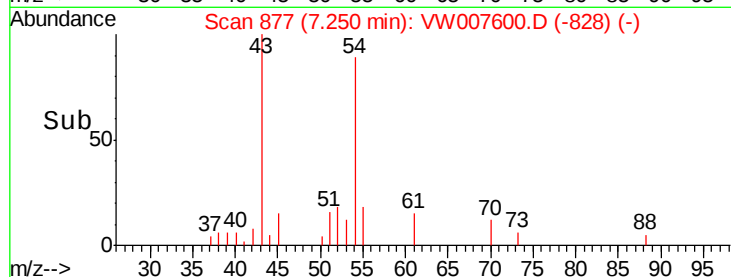
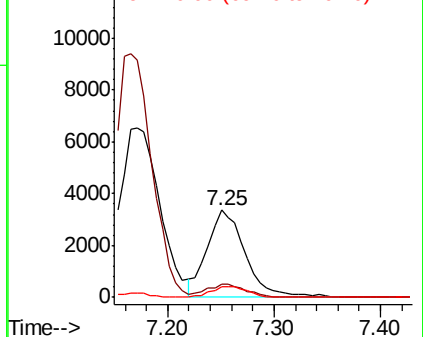
#37
Ethyl Acetate
Concen: 21.534 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

Tgt Ion: 43 Resp: 8348
Ion Ratio Lower Upper
43 100
61 15.7 12.1 18.1
70 11.7 10.0 15.0

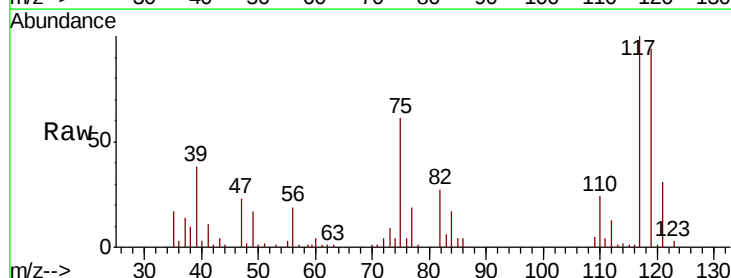


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

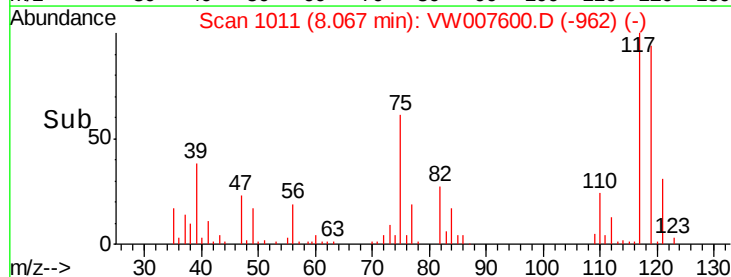
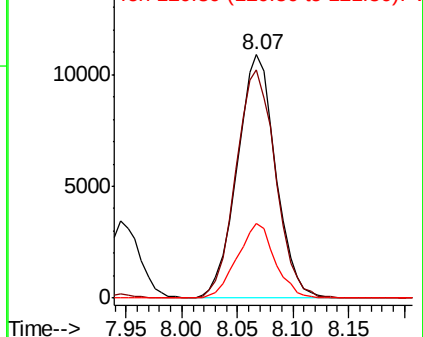


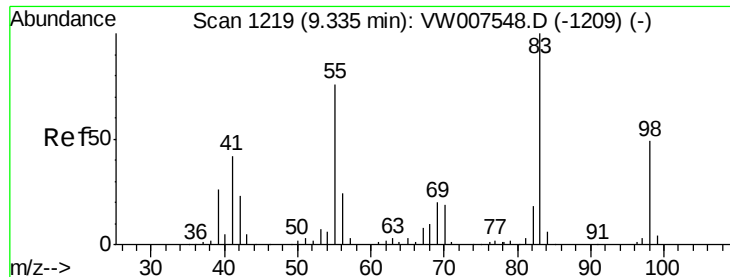
#38
Carbon Tetrachloride
Concen: 23.038 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 117 Resp: 26127
Ion Ratio Lower Upper
117 100
119 93.5 74.3 111.5
121 30.5 24.3 36.5



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

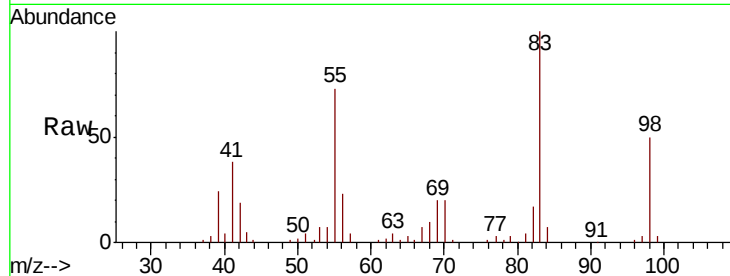




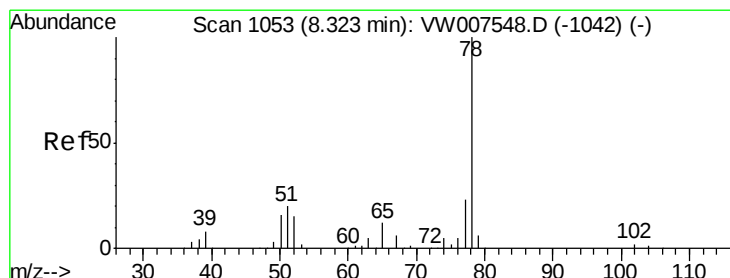
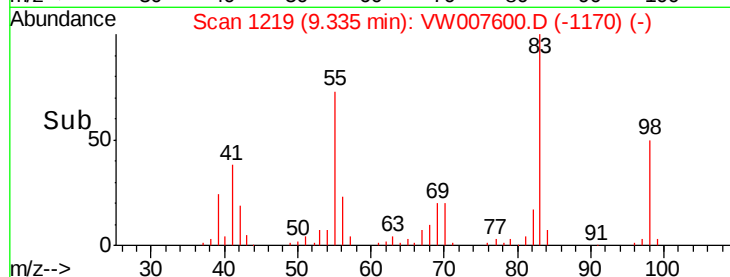
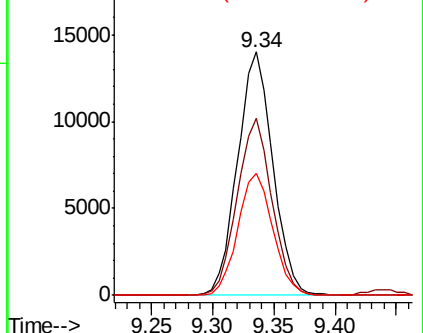
#39
Methylcyclohexane
Concen: 22.214 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

Tgt Ion: 83 Resp: 28037
Ion Ratio Lower Upper
83 100
55 72.5 62.8 94.2
98 50.2 42.2 63.2

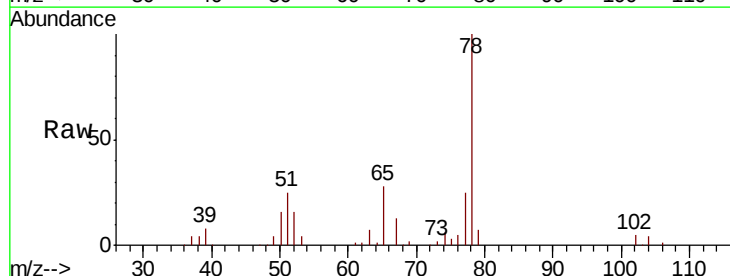


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

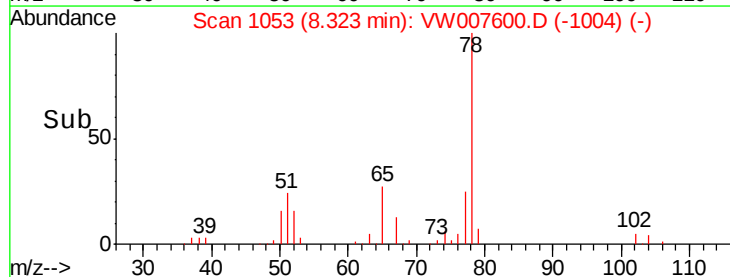
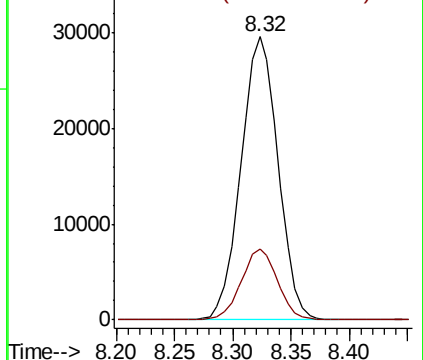


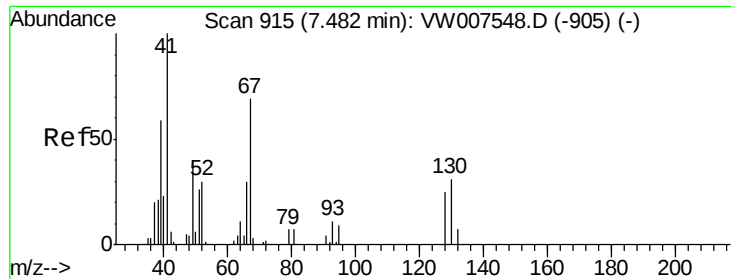
#40
Benzene
Concen: 22.641 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 78 Resp: 65491
Ion Ratio Lower Upper
78 100
77 24.9 18.8 28.2



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

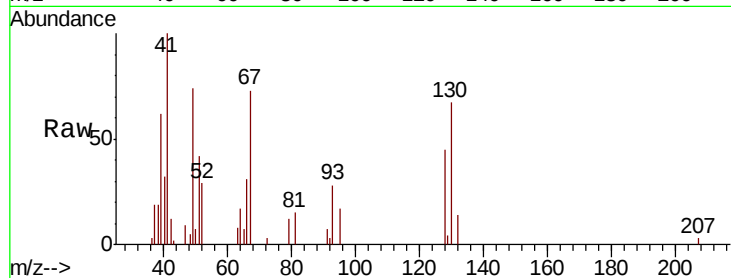




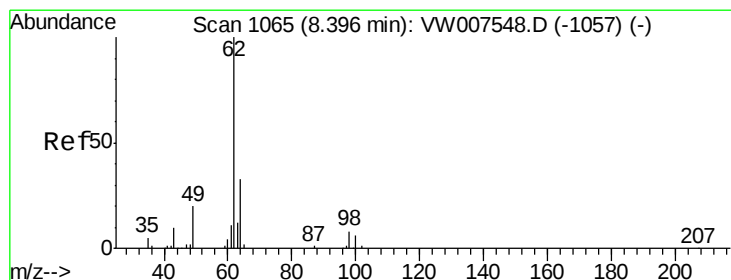
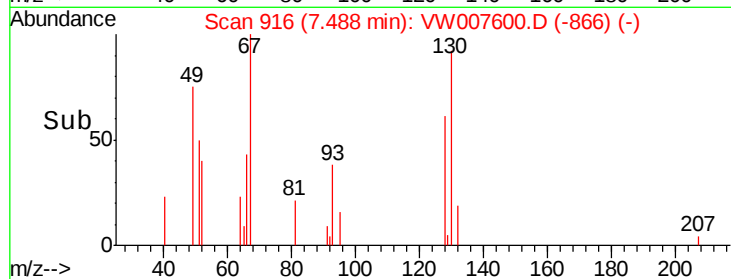
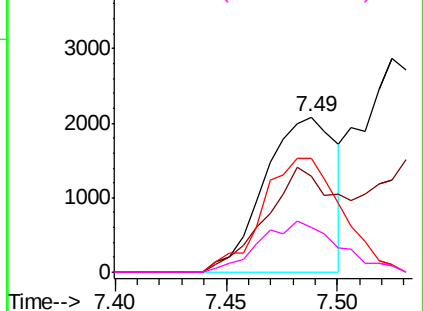
#41
Methacrylonitrile
Concen: 21.073 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

Tgt Ion:	41	Resp:	4652
Ion	Ratio	Lower	Upper
41	100		
39	69.5	52.2	78.2
67	81.2	60.5	90.7
52	36.0	25.3	37.9

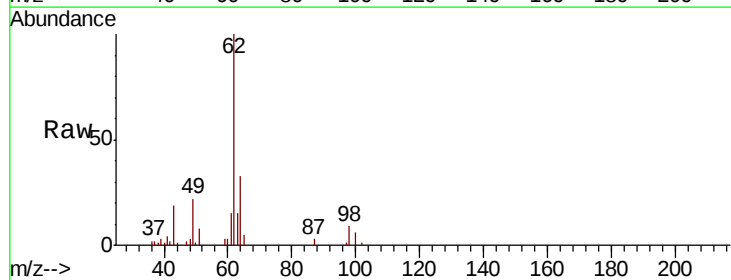


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

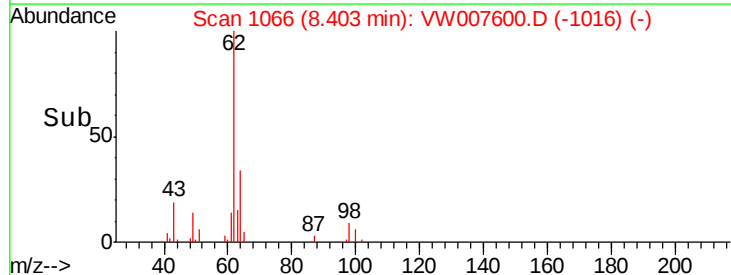
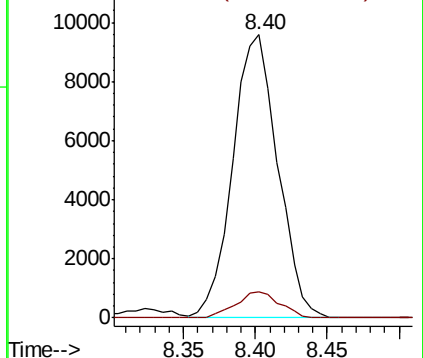


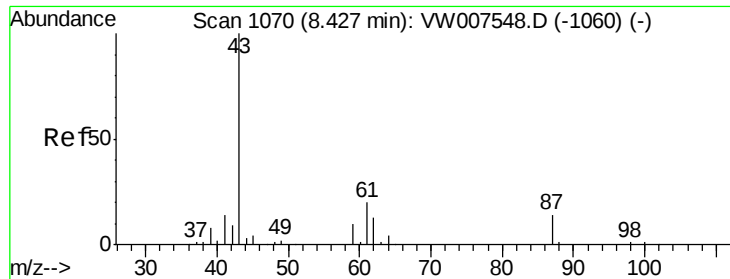
#42
1,2-Dichloroethane
Concen: 22.937 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion:	62	Resp:	20841
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 22.286 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

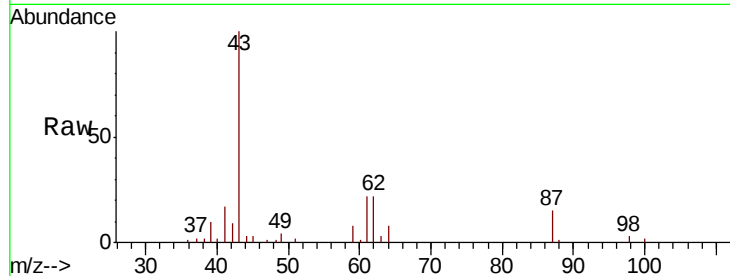
Tgt Ion: 43 Resp: 17066

Ion Ratio Lower Upper

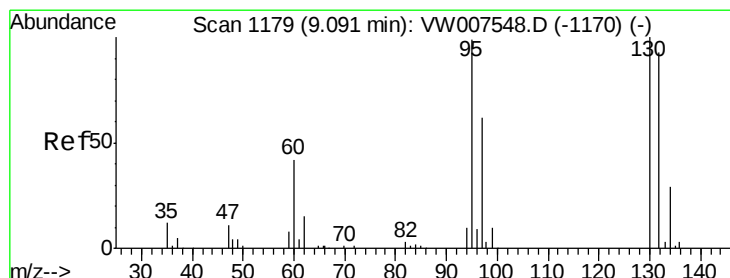
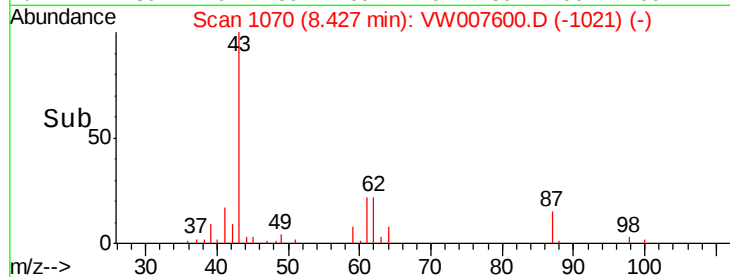
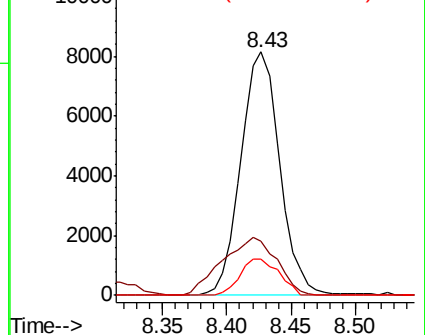
43 100

61 33.3 25.3 37.9

87 14.9 11.8 17.8



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



#44

Trichloroethene

Concen: 22.793 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007600.D

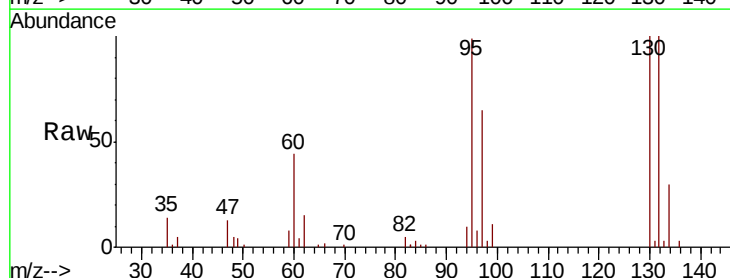
Acq: 16 Dec 2018 00:47

Tgt Ion: 130 Resp: 18827

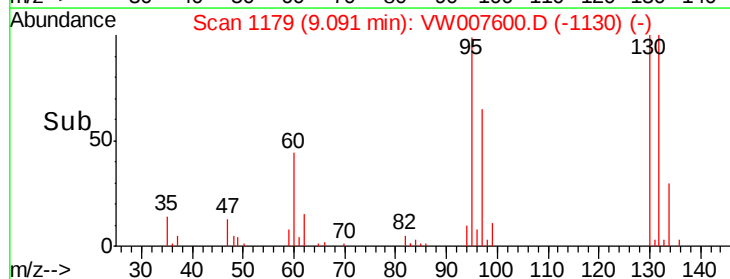
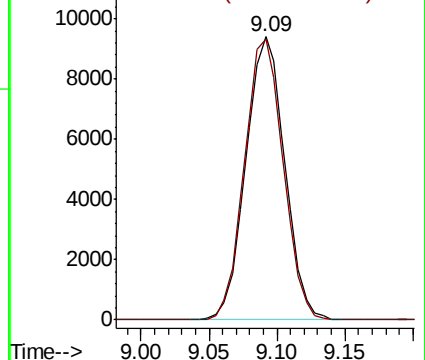
Ion Ratio Lower Upper

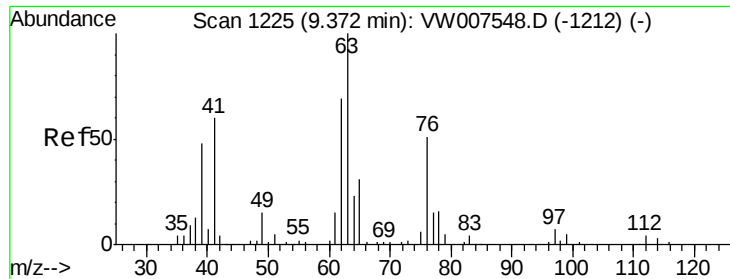
130 100

95 99.3 0.0 193.2



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

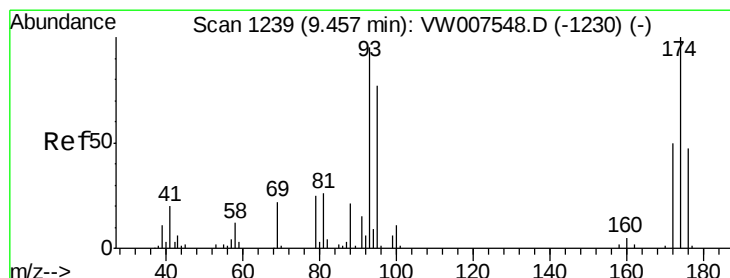
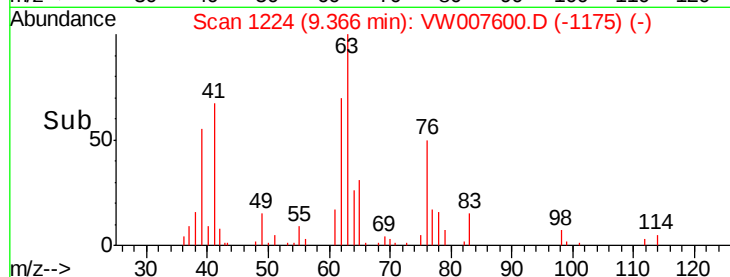
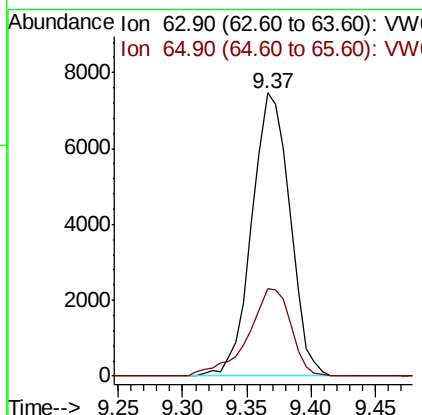
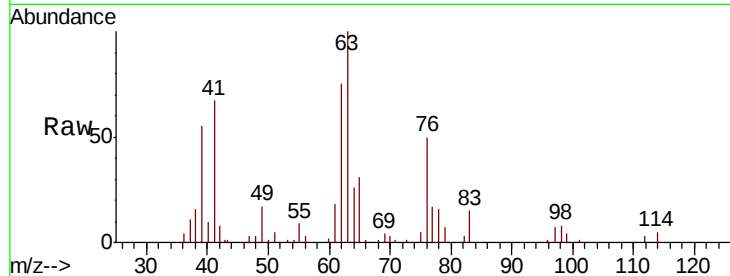




#45
 1,2-Dichloropropane
 Concen: 22.844 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

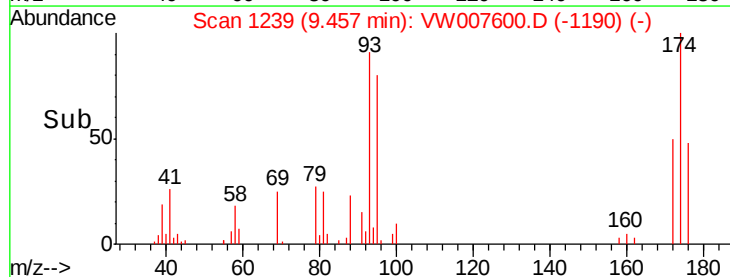
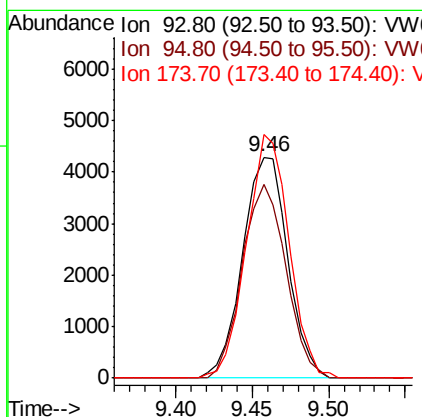
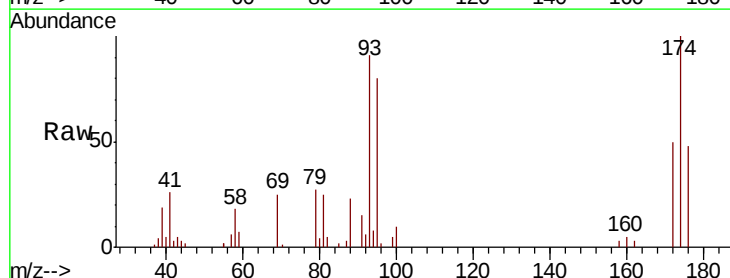
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

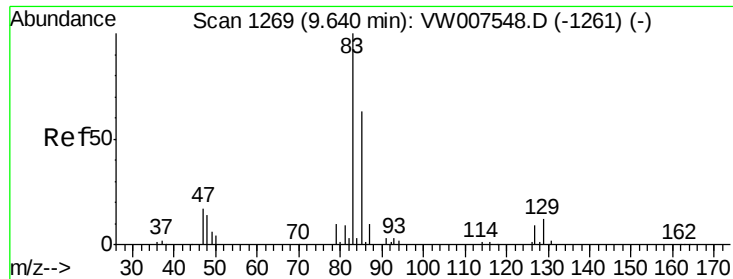
Tgt Ion: 63 Resp: 15291
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6



#46
 Dibromomethane
 Concen: 23.190 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 93 Resp: 8815
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.0 102.0
 174 103.7 83.2 124.8

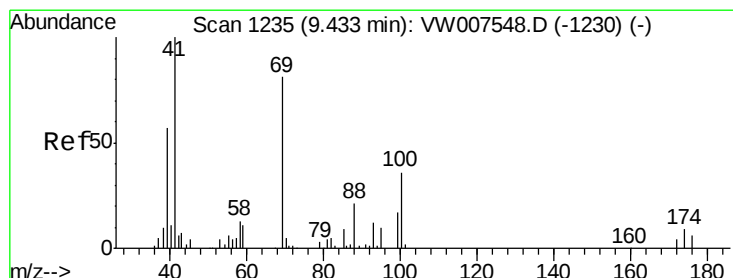
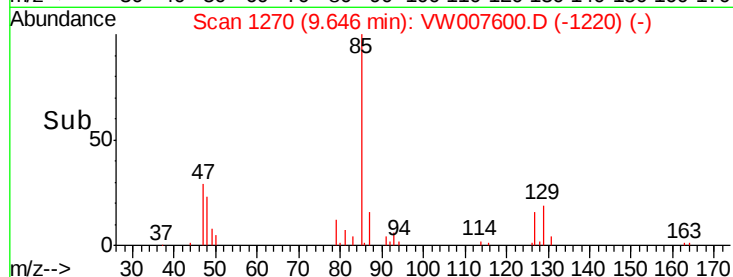
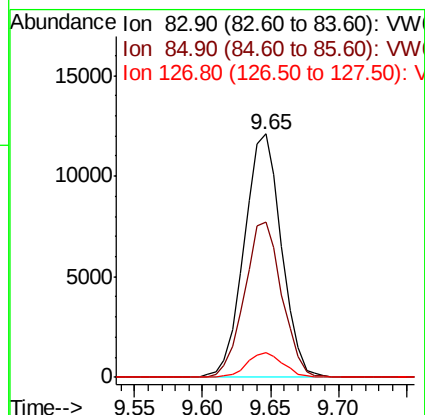
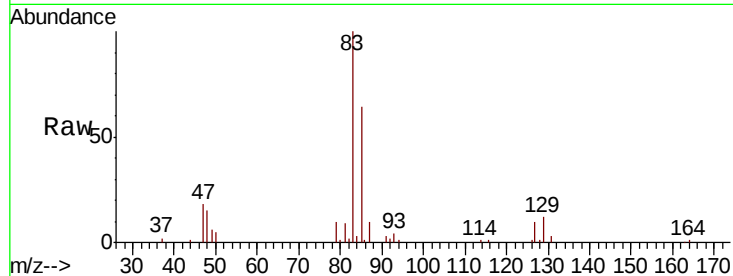




#47
Bromodichloromethane
Concen: 23.242 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

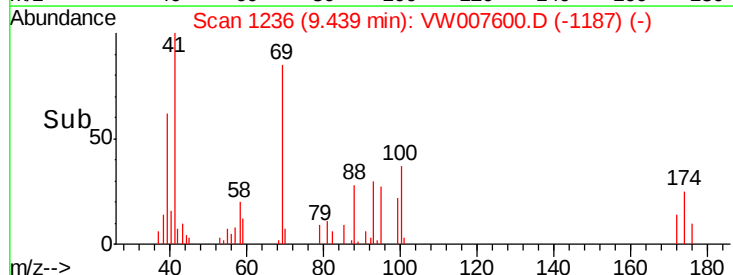
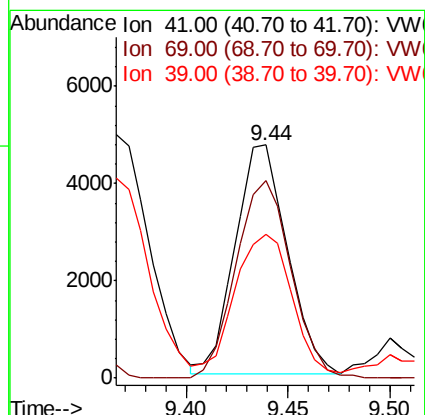
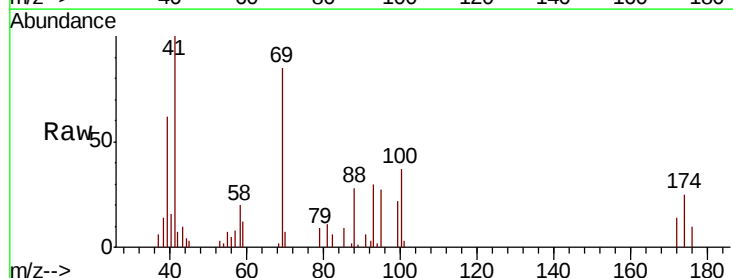
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

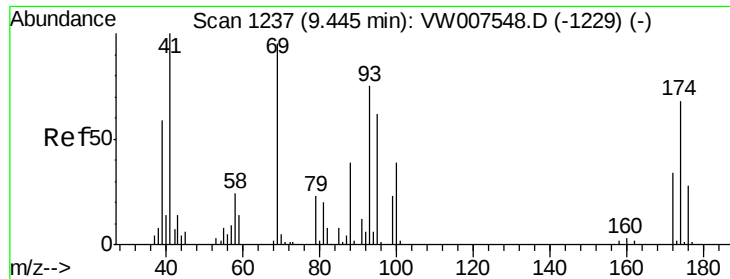
Tgt Ion: 83 Resp: 23174
Ion Ratio Lower Upper
83 100
85 63.8 47.6 71.4
127 10.0 6.7 10.1



#48
Methyl methacrylate
Concen: 21.257 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 41 Resp: 8360
Ion Ratio Lower Upper
41 100
69 91.3 69.8 104.8
39 70.7 50.9 76.3





#49

1,4-Dioxane

Concen: 495.316 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

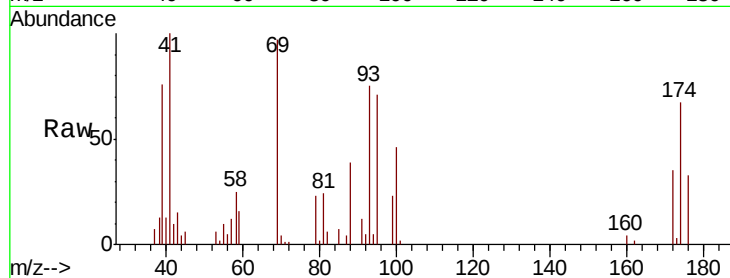
Tgt Ion: 88 Resp: 3055

Ion Ratio Lower Upper

88 100

43 30.8 25.0 37.4

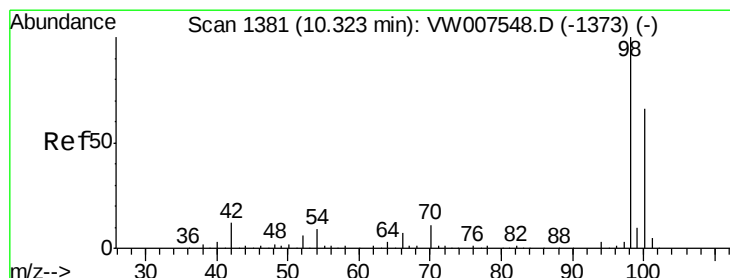
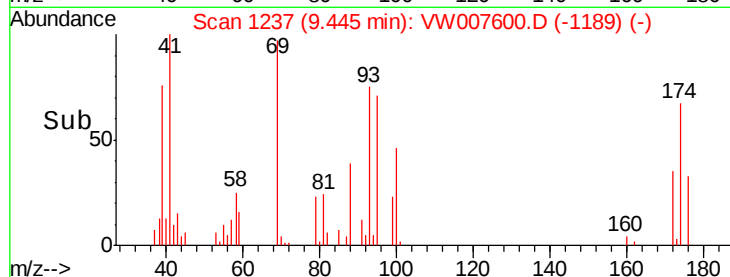
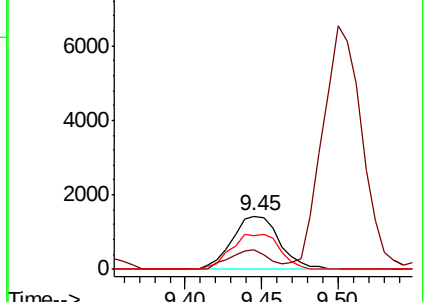
58 68.0 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.520 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007600.D

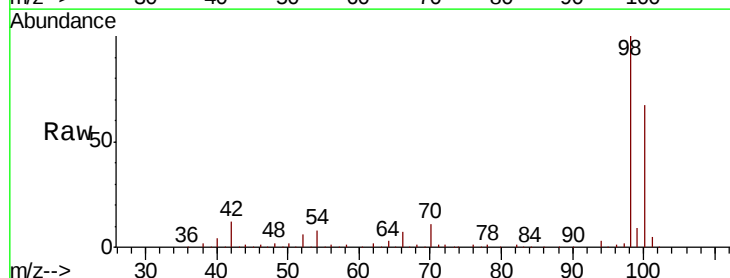
Acq: 16 Dec 2018 00:47

Tgt Ion: 98 Resp: 136199

Ion Ratio Lower Upper

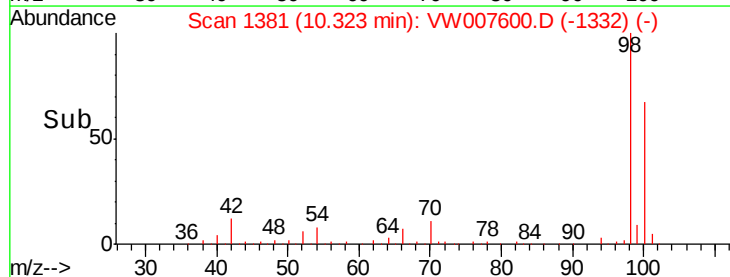
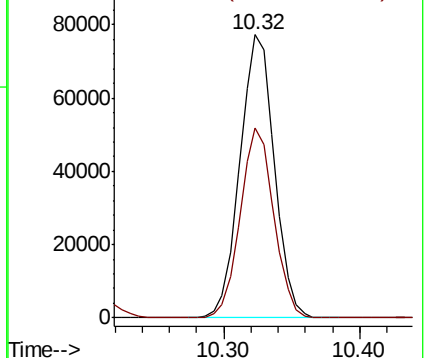
98 100

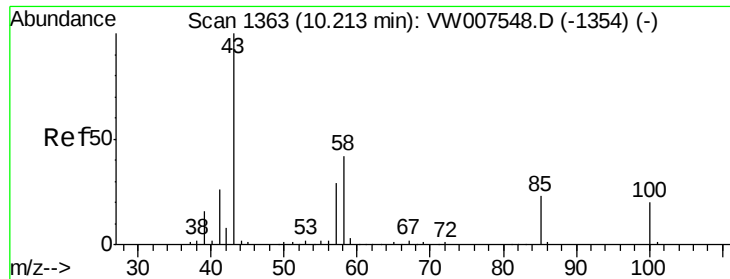
100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 110.936 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

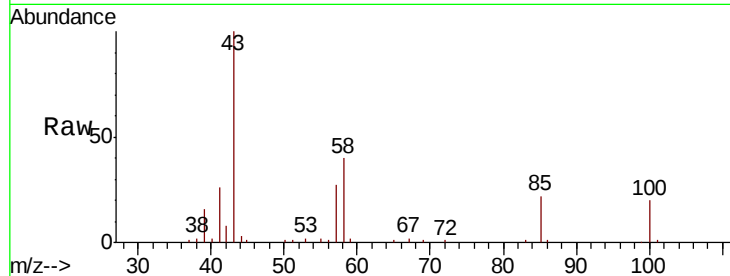
VW1218SBS01

Tgt Ion: 43 Resp: 40139

Ion Ratio Lower Upper

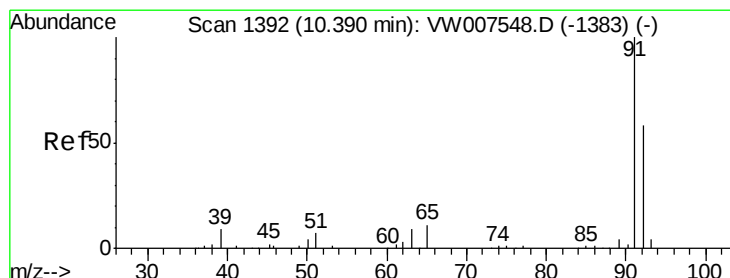
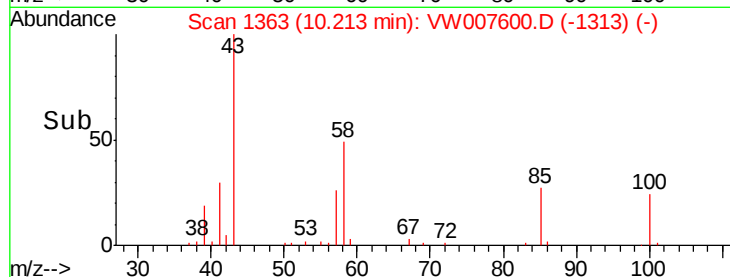
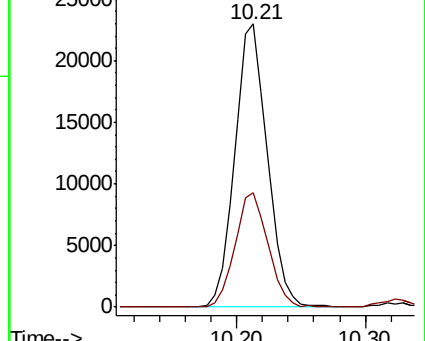
43 100

58 40.9 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 23.729 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007600.D

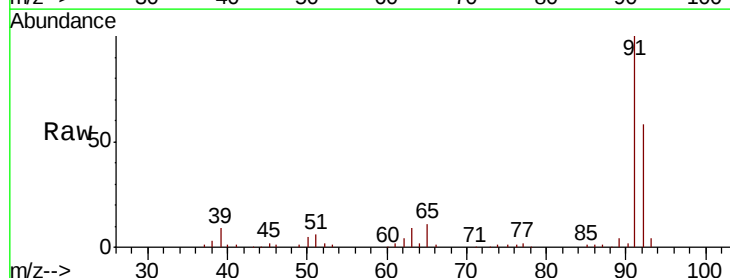
Acq: 16 Dec 2018 00:47

Tgt Ion: 92 Resp: 44419

Ion Ratio Lower Upper

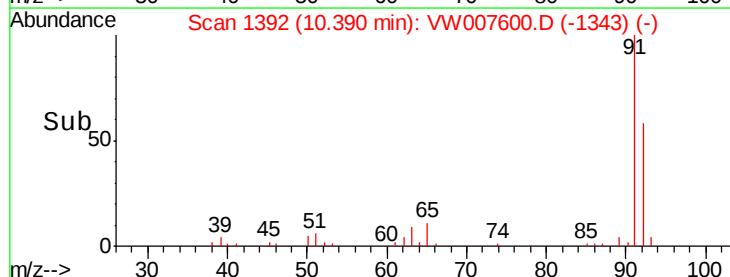
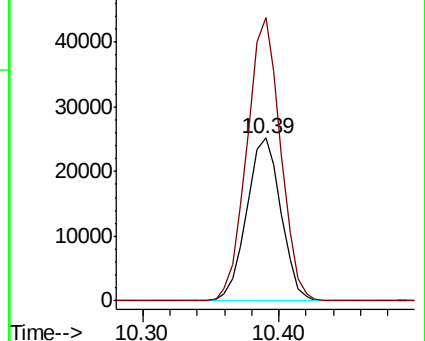
92 100

91 170.9 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

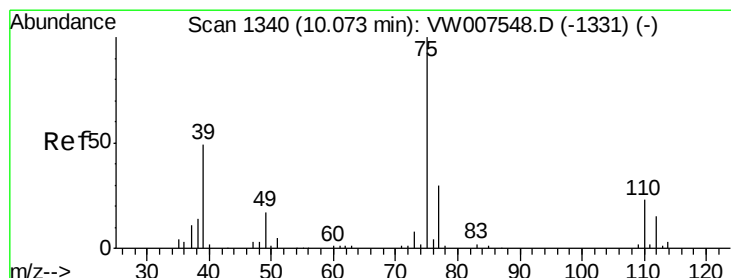
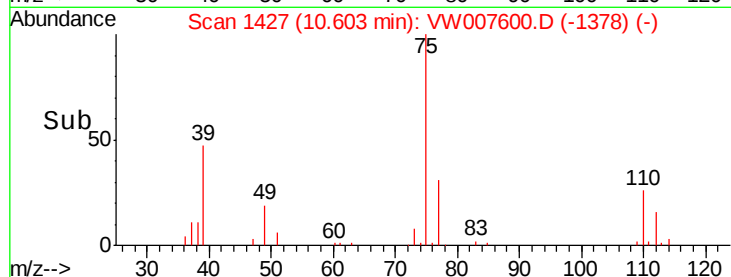
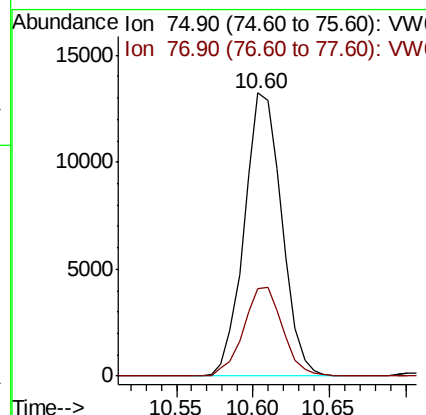
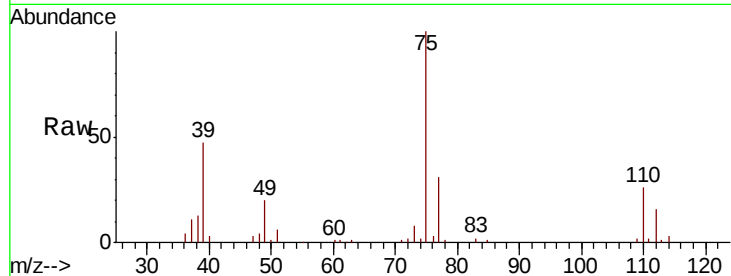




#53
 t-1,3-Dichloropropene
 Concen: 23.320 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

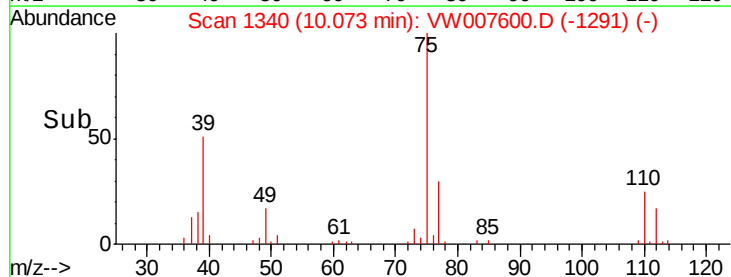
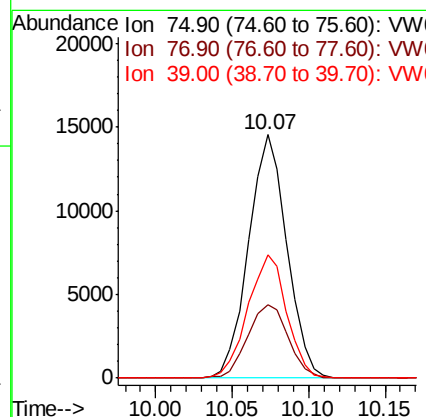
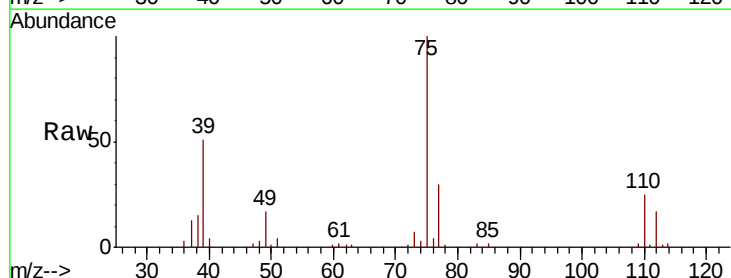
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

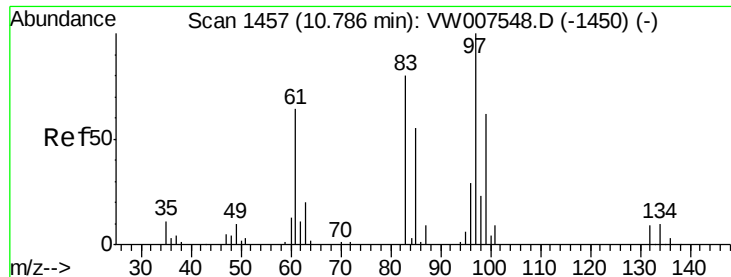
Tgt Ion: 75 Resp: 22573
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.2 39.4



#54
 cis-1,3-Dichloropropene
 Concen: 22.653 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 75 Resp: 25349
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.8 37.2
 39 50.7 40.9 61.3

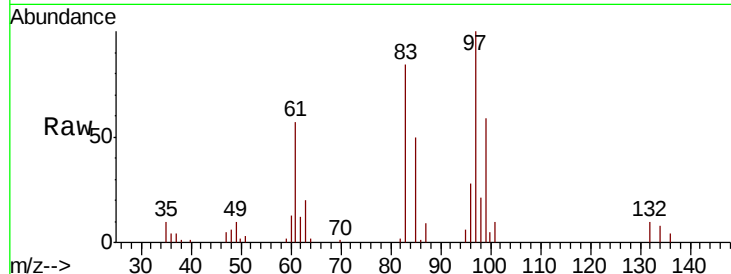




#55
 1,1,2-Trichloroethane
 Concen: 24.280 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

Tgt Ion:	97	Resp:	12561
Ion	Ratio	Lower	Upper
97	100		
83	84.1	62.1	93.1
85	50.3	44.2	66.4
99	59.1	50.2	75.4



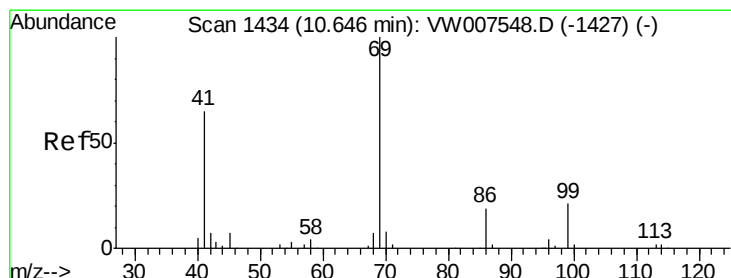
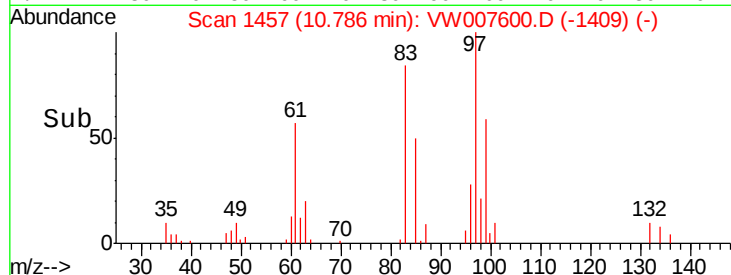
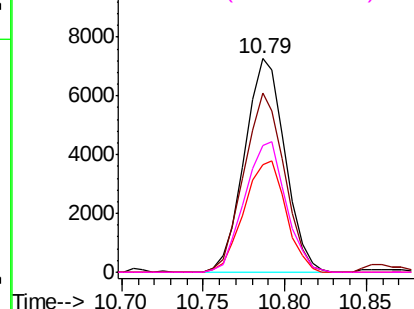
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

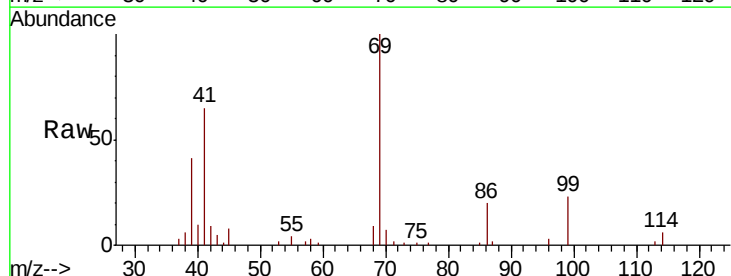
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 23.040 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion:	69	Resp:	14327
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.0	76.6
39	39.1	30.8	46.2

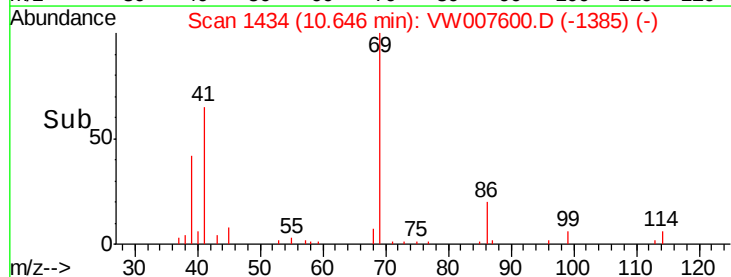
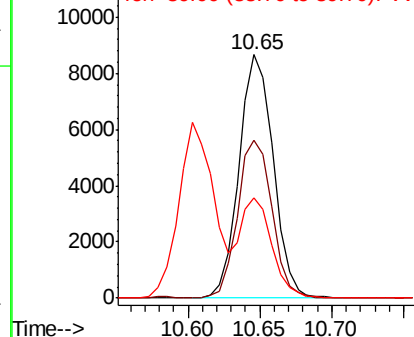


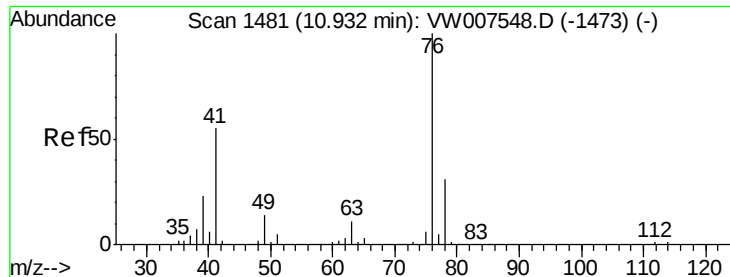
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

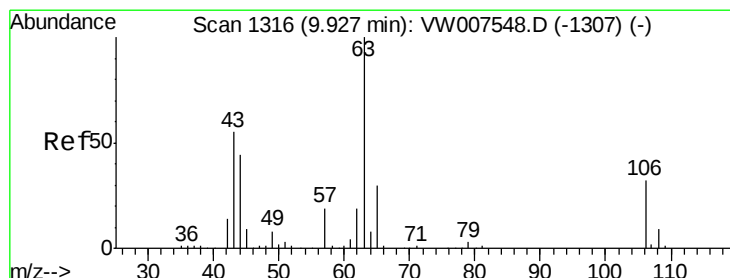
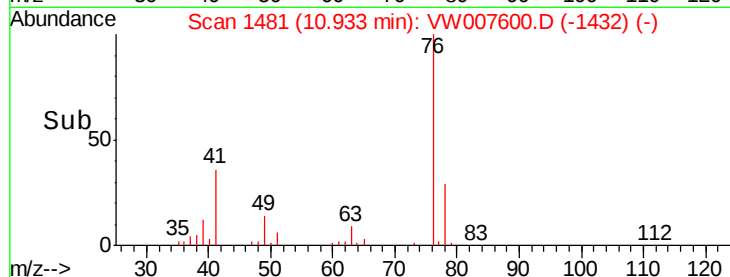
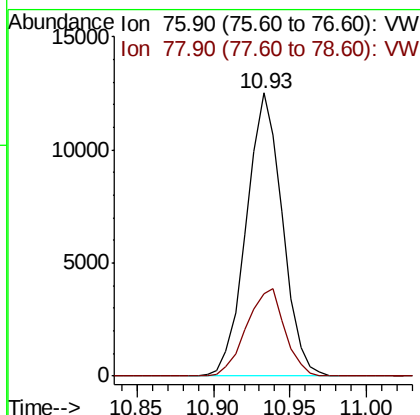
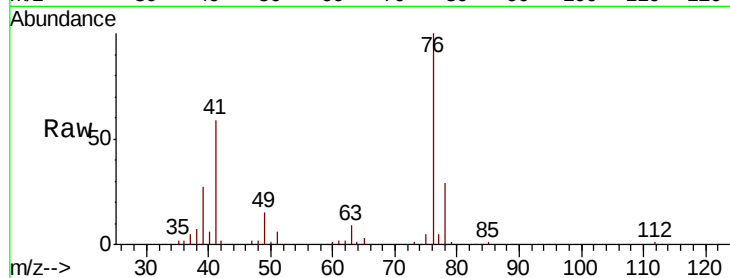




#57
 1,3-Dichloropropane
 Concen: 24.212 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

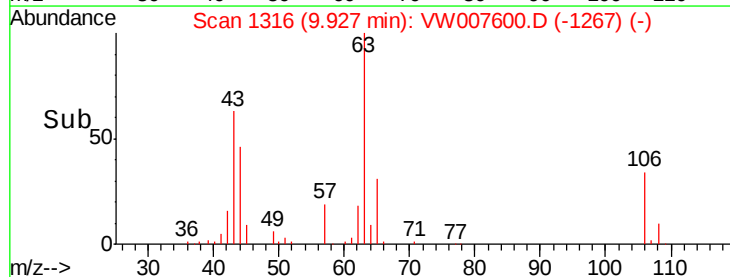
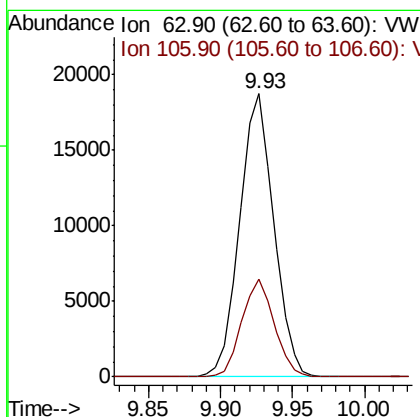
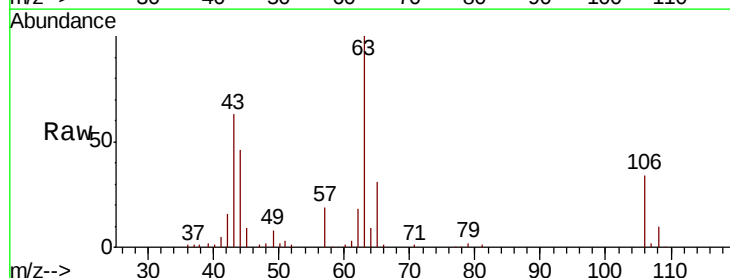
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

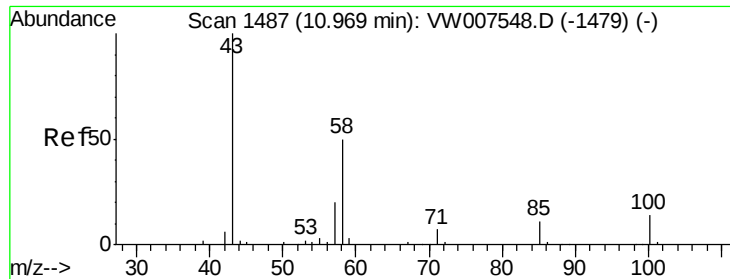
Tgt Ion: 76 Resp: 20560
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.453 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 63 Resp: 30813
 Ion Ratio Lower Upper
 63 100
 106 32.8 25.0 37.6





#59

2-Hexanone

Concen: 112.993 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

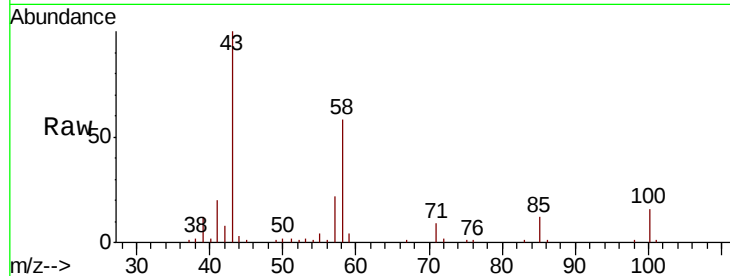
VW1218SBS01

Tgt Ion: 43 Resp: 27261

Ion Ratio Lower Upper

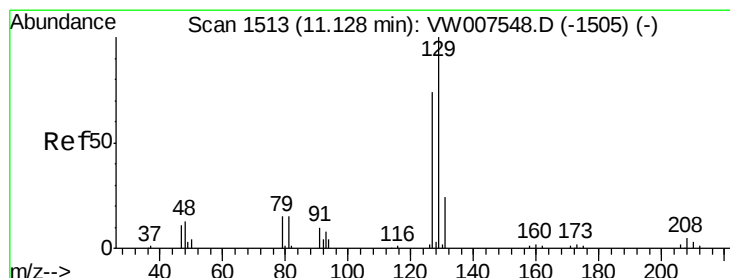
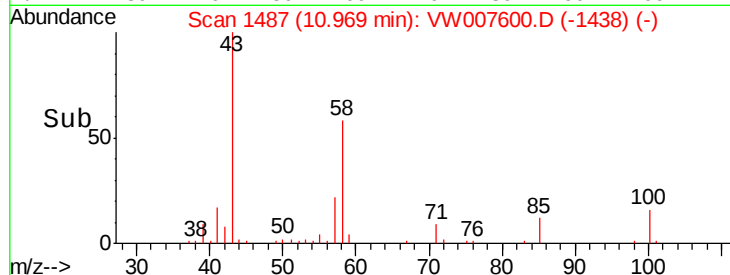
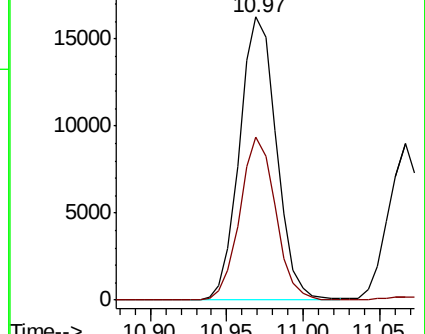
43 100

58 55.4 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 24.051 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW007600.D

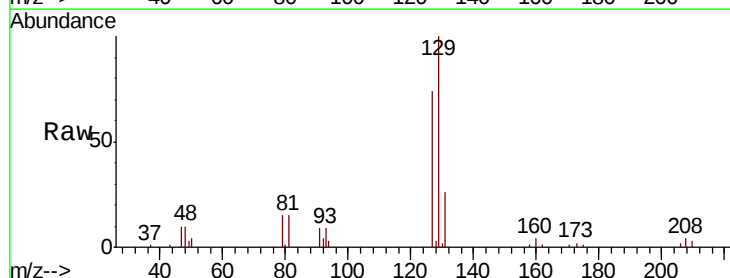
Acq: 16 Dec 2018 00:47

Tgt Ion: 129 Resp: 15703

Ion Ratio Lower Upper

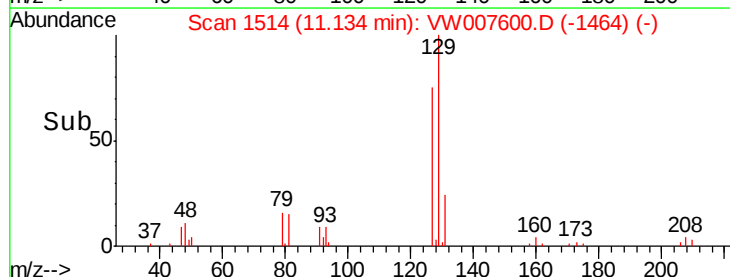
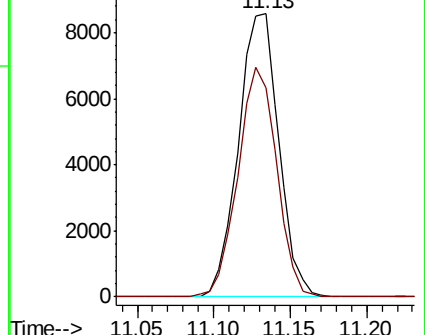
129 100

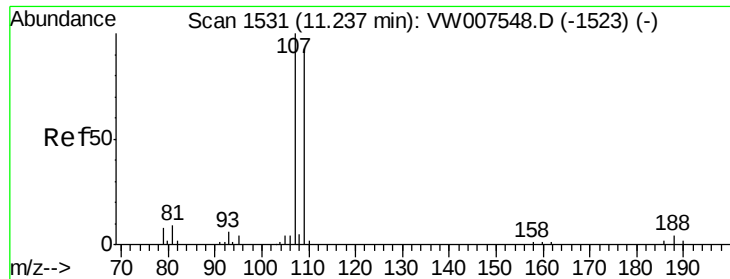
127 77.8 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

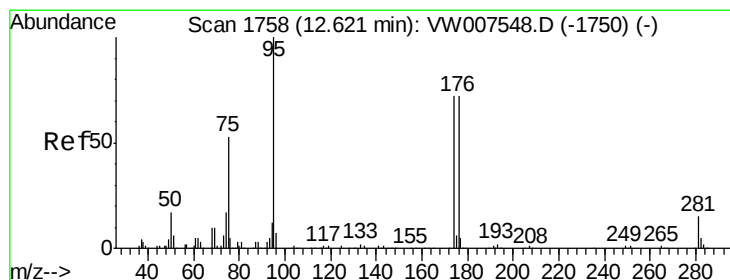
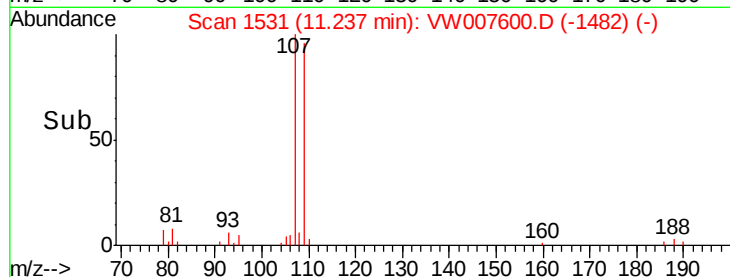
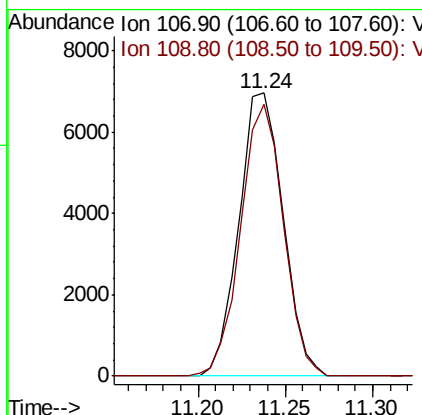
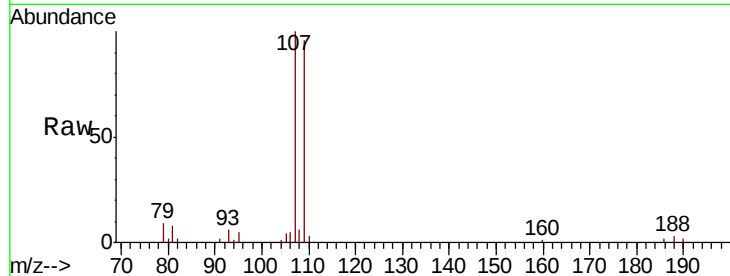




#61
 1,2-Dibromoethane
 Concen: 23.974 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

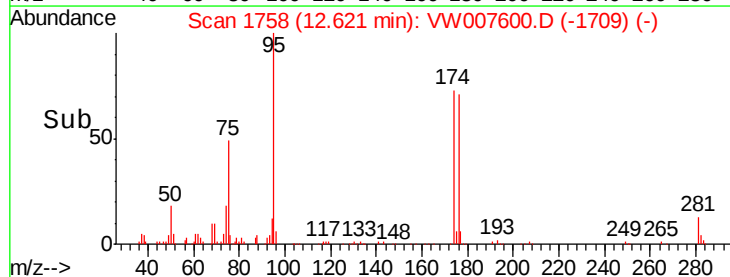
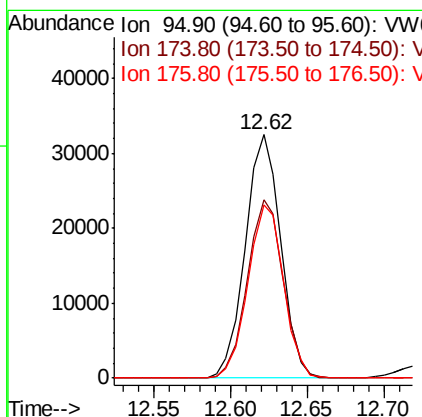
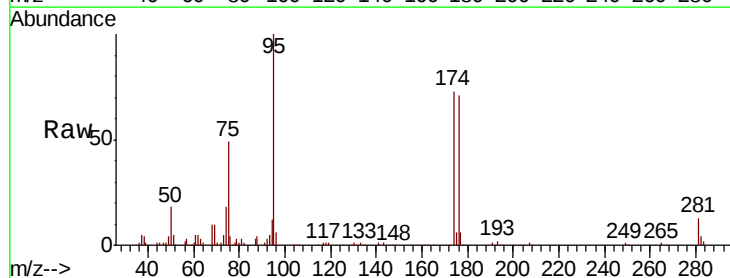
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

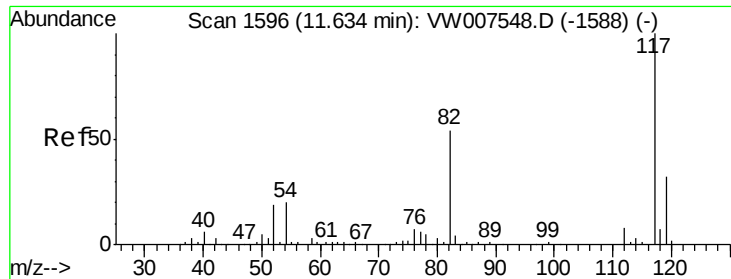
Tgt Ion: 107 Resp: 12257
 Ion Ratio Lower Upper
 107 100
 109 92.8 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 54.930 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion: 95 Resp: 52375
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 147.2
 176 71.7 0.0 138.8

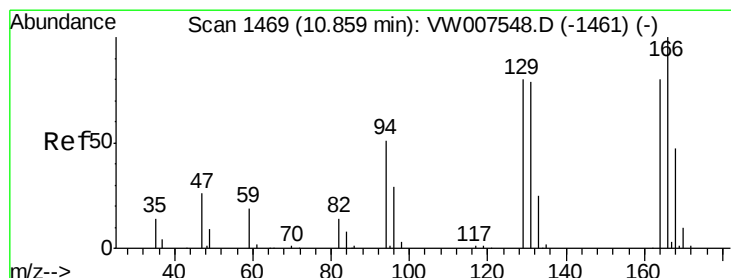
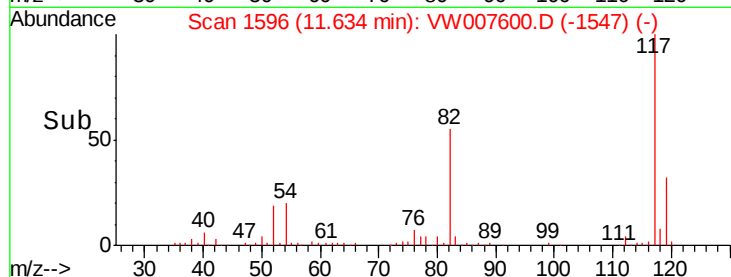
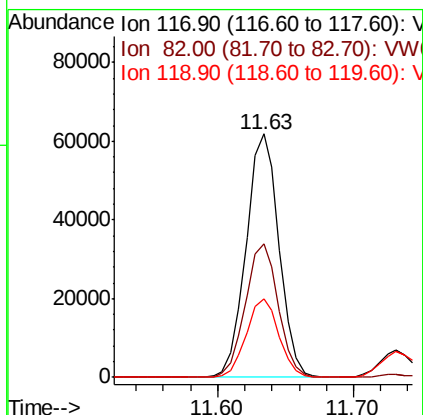
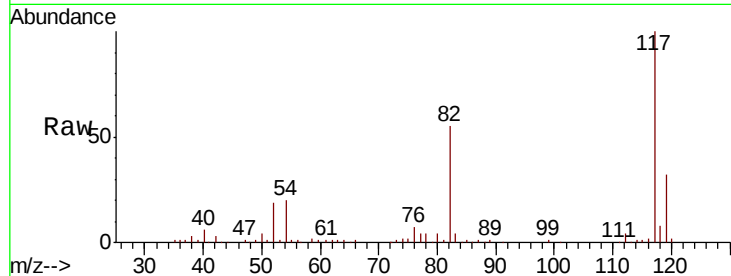




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

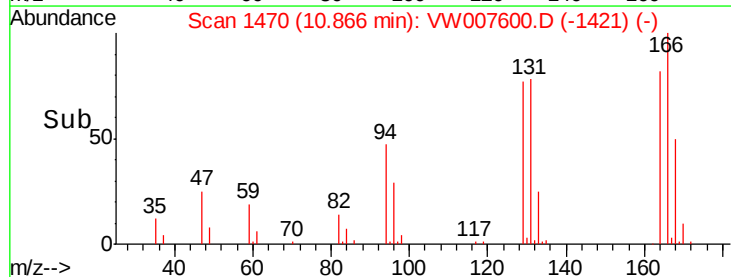
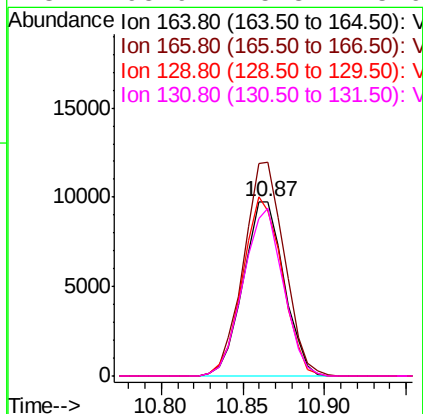
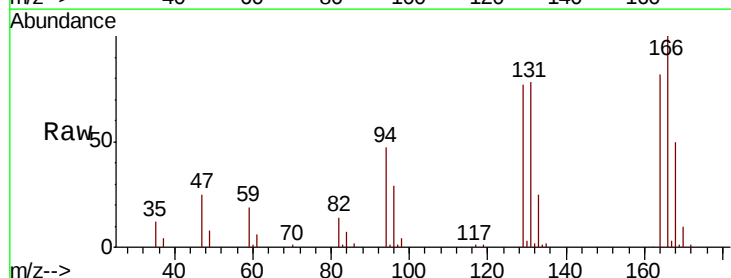
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

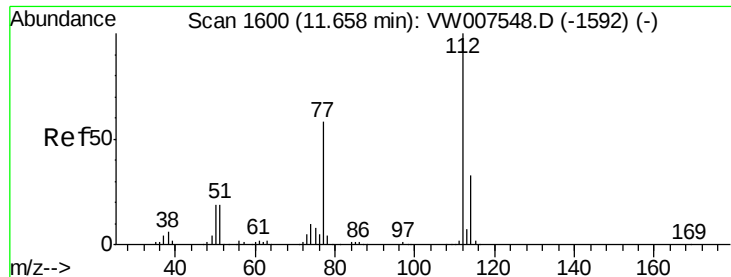
Tgt Ion:117 Resp: 104688
Ion Ratio Lower Upper
117 100
82 55.0 42.3 63.5
119 32.3 23.0 34.6



#64
Tetrachloroethene
Concen: 22.637 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion:164 Resp: 17042
Ion Ratio Lower Upper
164 100
166 122.3 107.9 161.9
129 94.5 73.4 110.2
131 95.9 75.8 113.6

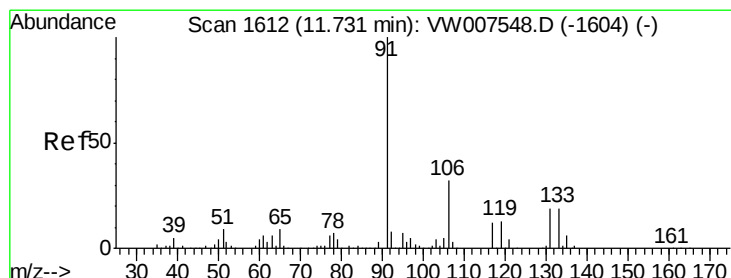
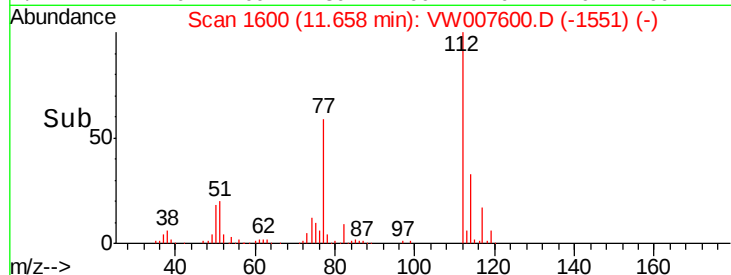
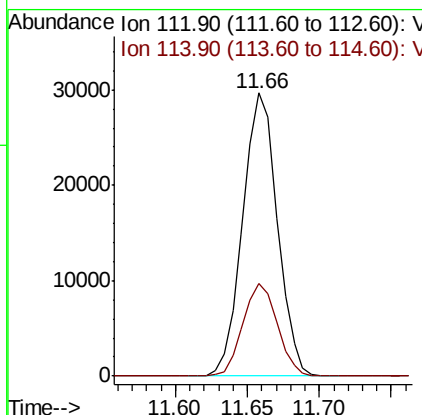
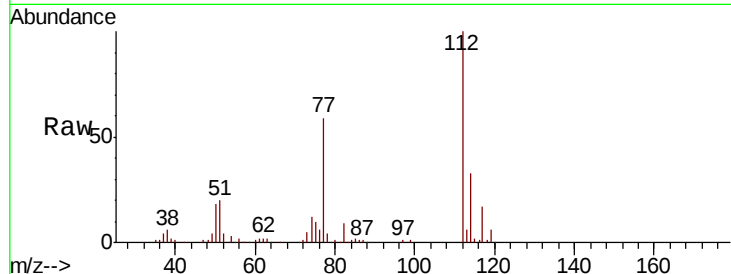




#65
Chlorobenzene
Concen: 22.676 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

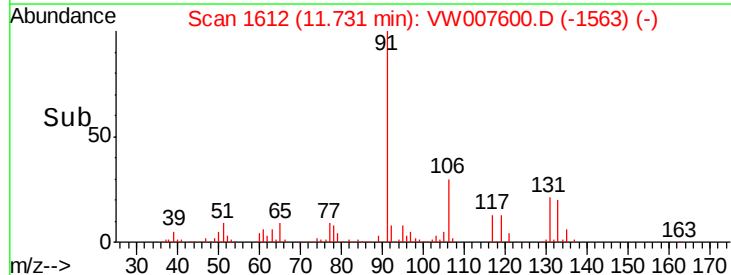
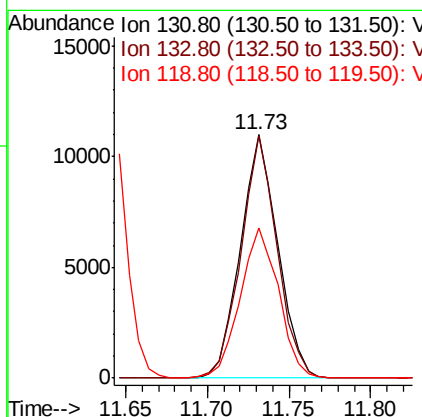
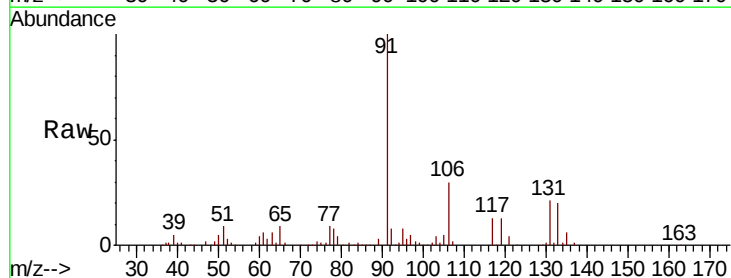
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

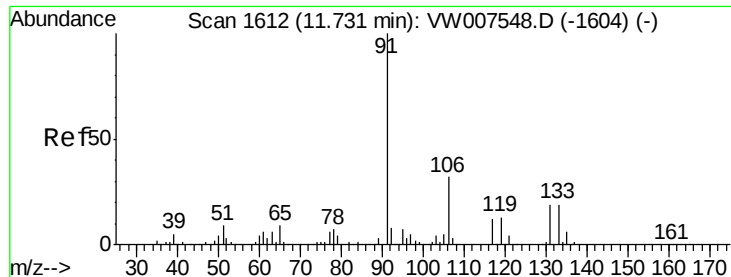
Tgt Ion:112 Resp: 49479
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.813 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion:131 Resp: 17532
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.4
119 63.3 31.3 93.9

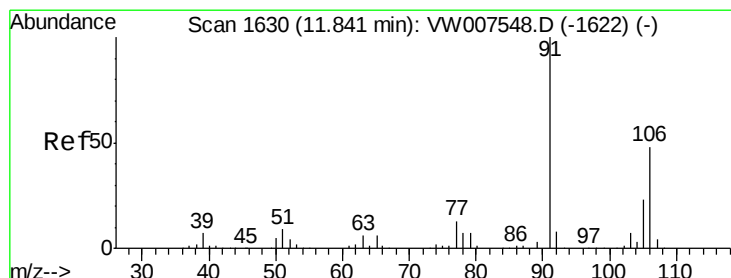
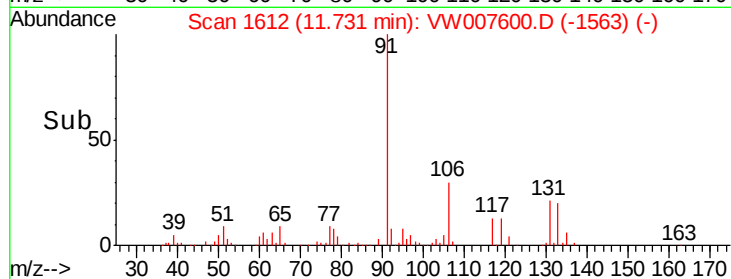
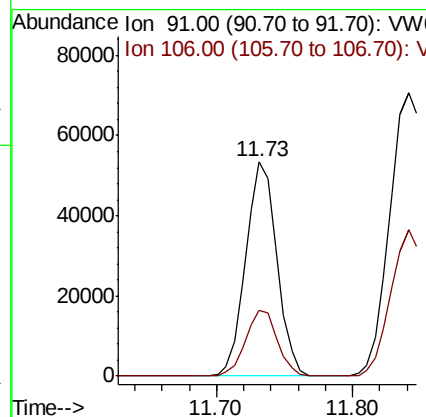
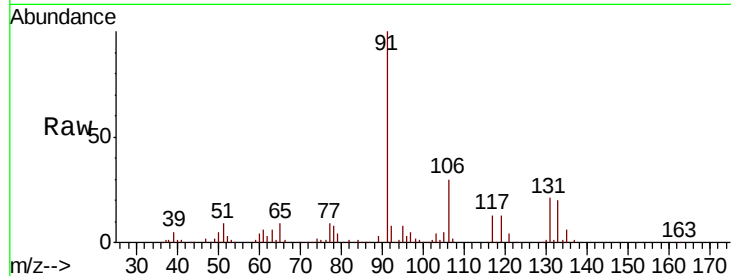




#67
Ethyl Benzene
Concen: 22.811 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

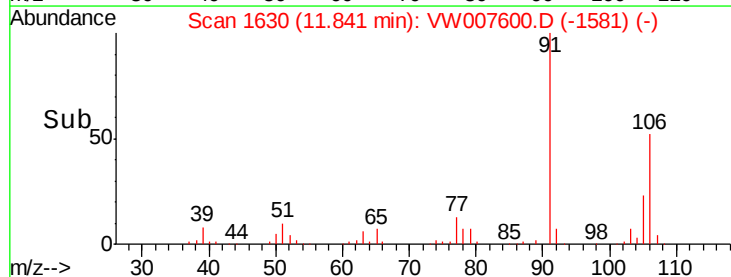
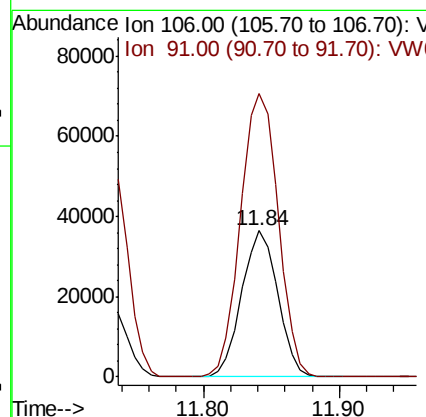
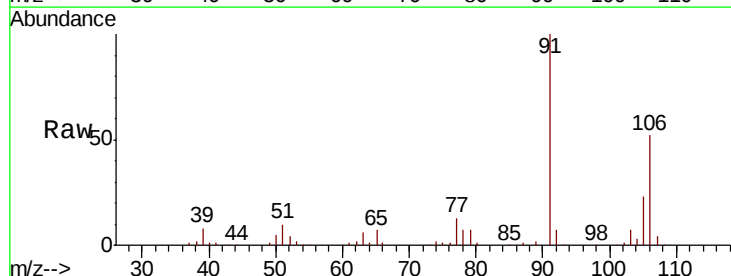
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

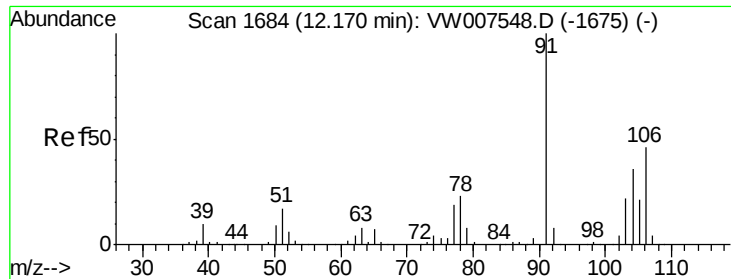
Tgt Ion: 91 Resp: 85575
Ion Ratio Lower Upper
91 100
106 30.4 21.8 32.8



#68
m/p-Xylenes
Concen: 46.538 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 106 Resp: 67872
Ion Ratio Lower Upper
106 100
91 202.1 165.3 247.9

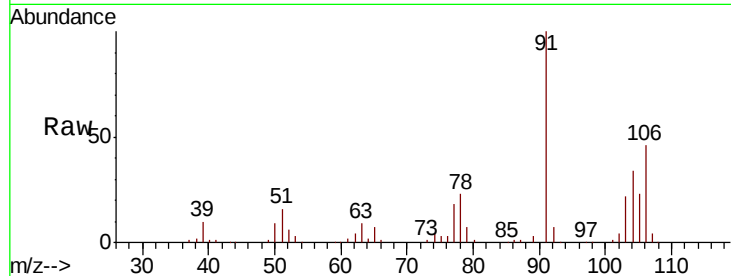




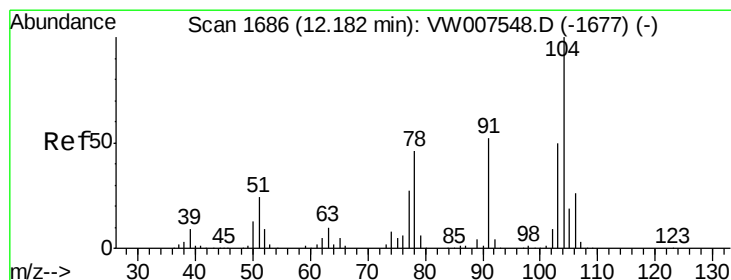
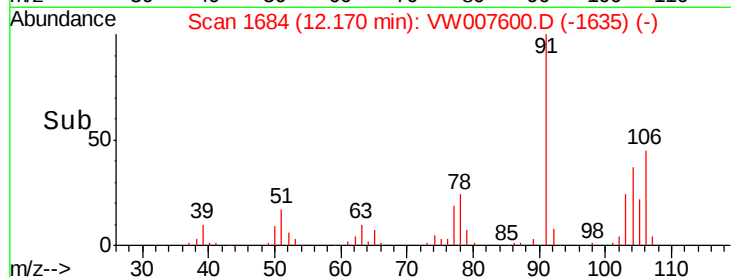
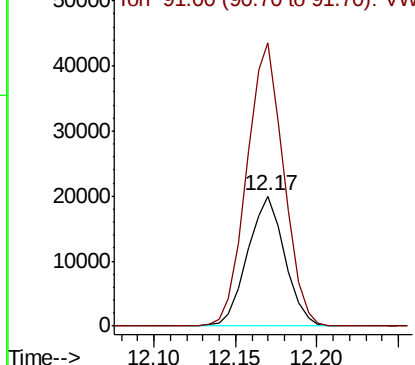
#69
o-Xylene
Concen: 23.078 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

Tgt Ion:106 Resp: 31434
Ion Ratio Lower Upper
106 100
91 217.8 106.6 319.8

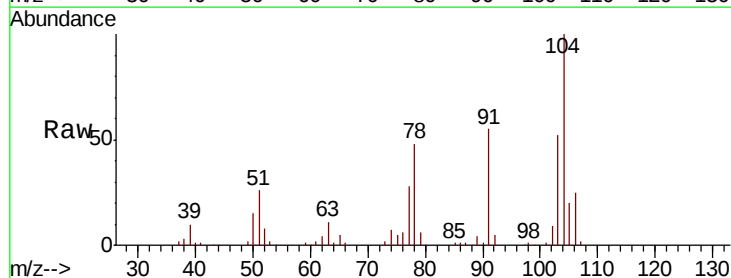


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

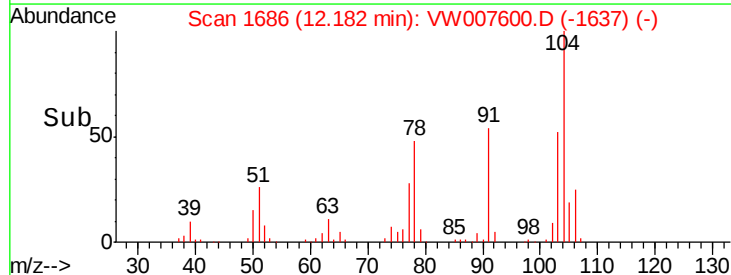
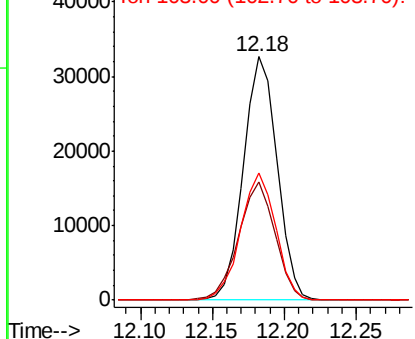


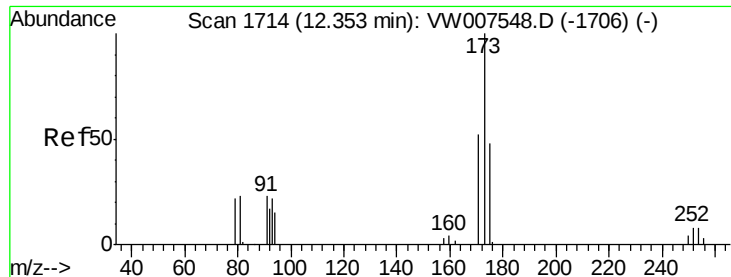
#70
Styrene
Concen: 24.072 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion:104 Resp: 52959
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 54.9 46.6 69.8



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: 22.173 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

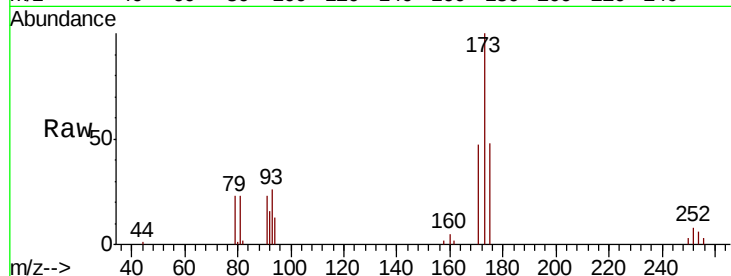
Tgt Ion:173 Resp: 8722

Ion Ratio Lower Upper

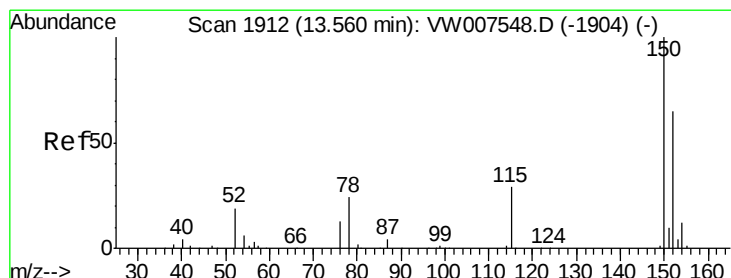
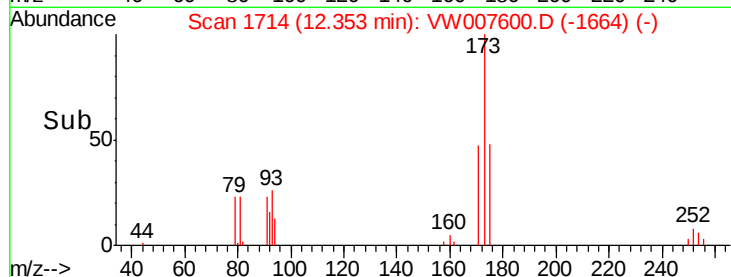
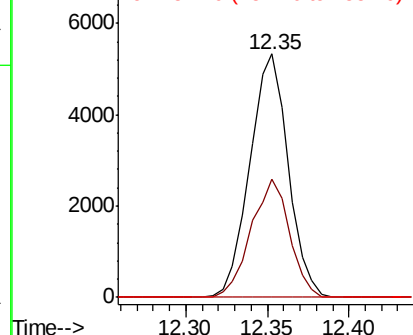
173 100

175 48.5 23.6 70.8

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: VW007600.D

Acq: 16 Dec 2018 00:47

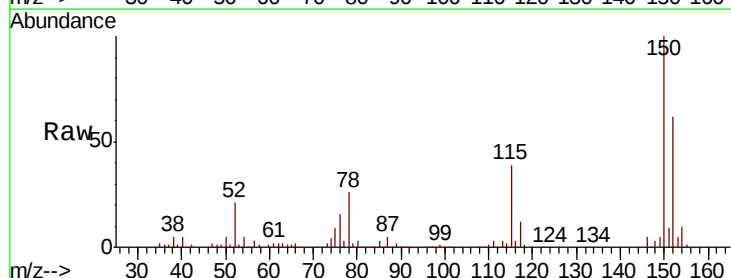
Tgt Ion:152 Resp: 52867

Ion Ratio Lower Upper

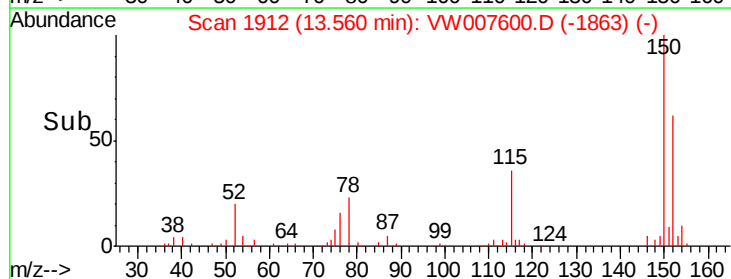
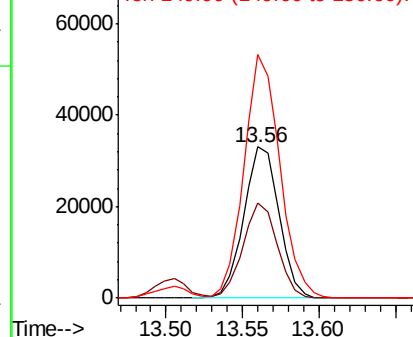
152 100

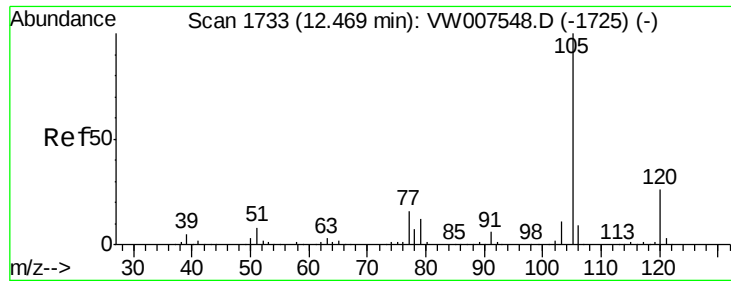
115 61.3 31.4 94.2

150 164.4 0.0 358.4



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: 21.619 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

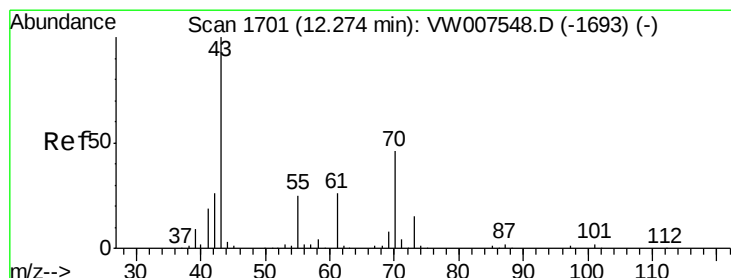
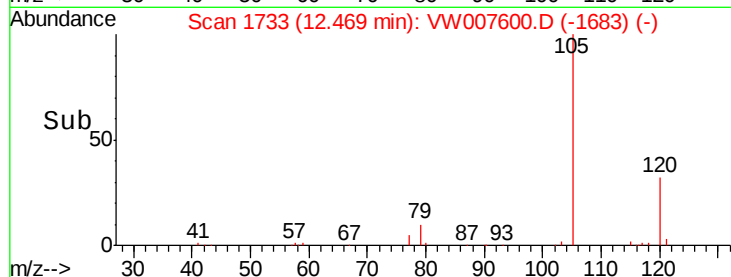
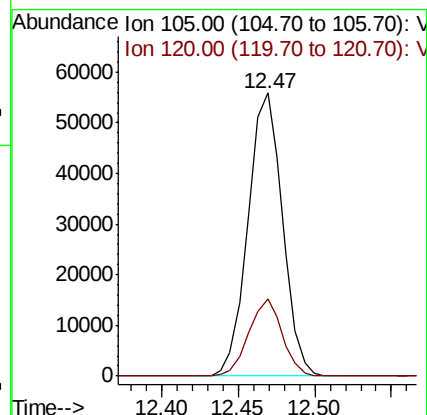
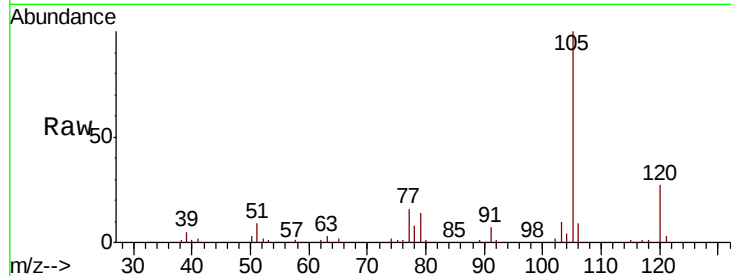
VW1218SBS01

Tgt Ion: 105 Resp: 87575

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



#74

N-ethyl acetate

Concen: 20.774 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Tgt Ion: 43 Resp: 15294

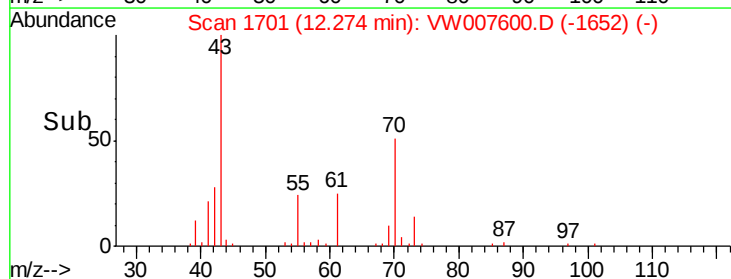
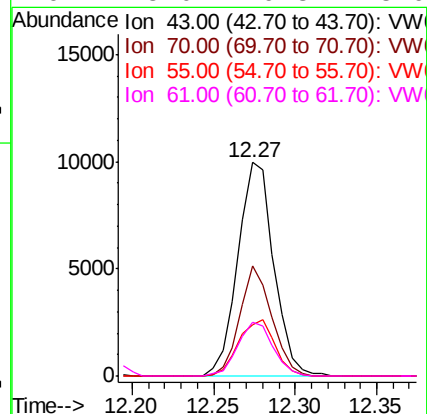
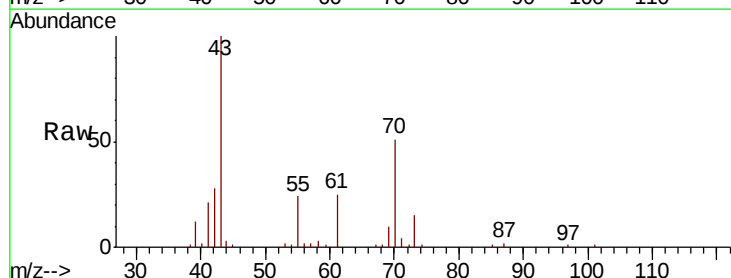
Ion Ratio Lower Upper

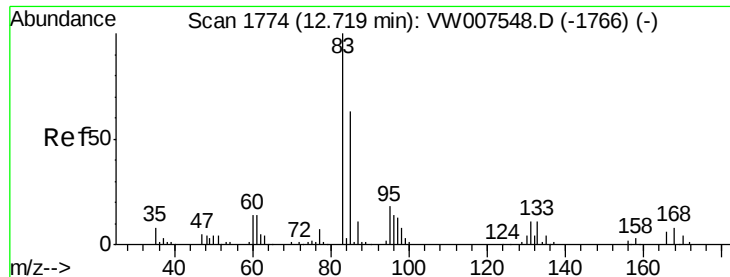
43 100

70 45.6 36.5 54.7

55 26.9 20.1 30.1

61 25.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.351 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

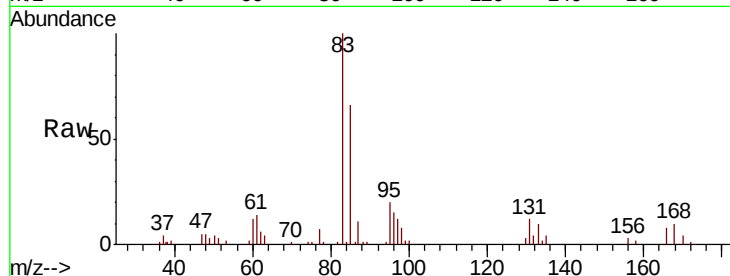
Tgt Ion: 83 Resp: 13410

Ion Ratio Lower Upper

83 100

131 12.8 5.9 17.8

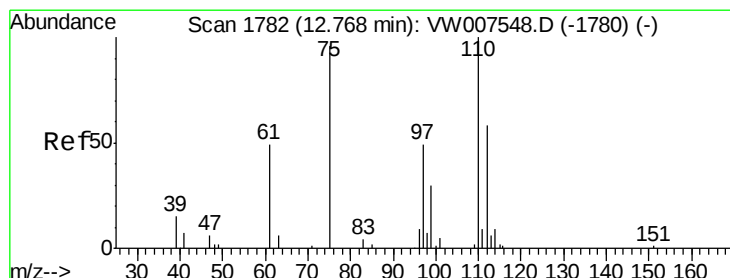
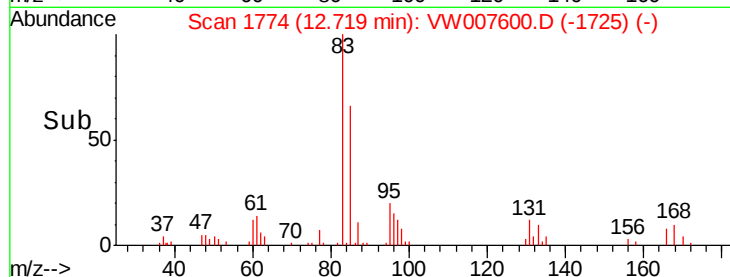
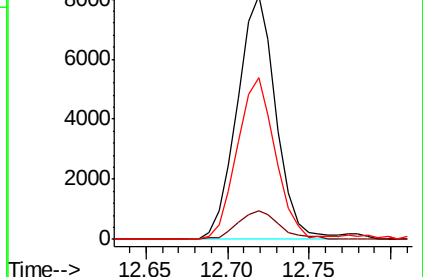
85 65.3 30.0 90.0



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: 42.438 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007600.D

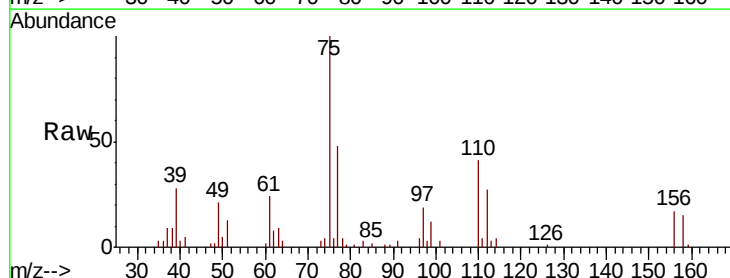
Acq: 16 Dec 2018 00:47

Tgt Ion: 75 Resp: 18499

Ion Ratio Lower Upper

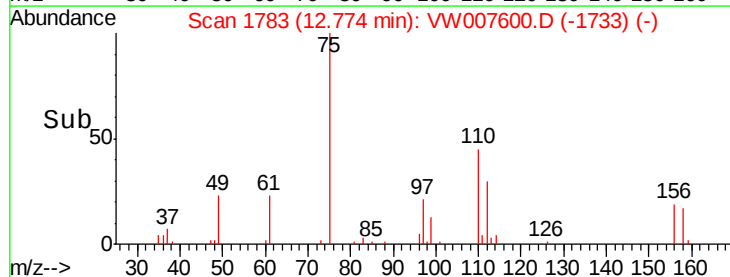
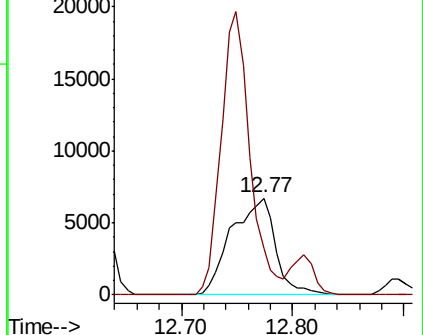
75 100

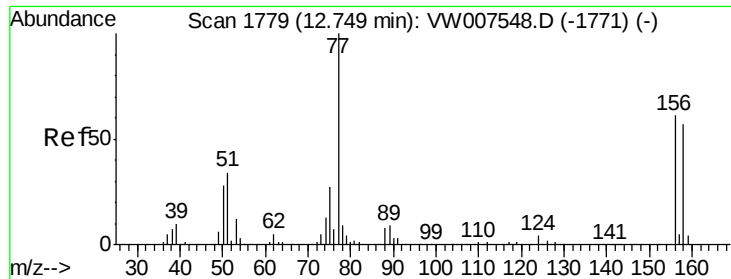
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.104 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

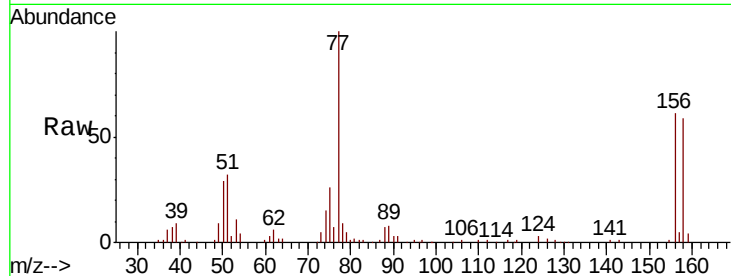
Tgt Ion:156 Resp: 19848

Ion Ratio Lower Upper

156 100

77 179.1 88.1 264.4

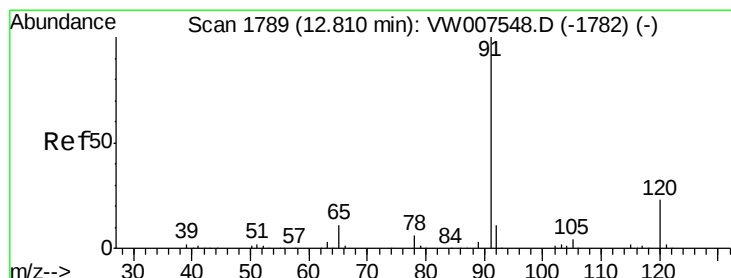
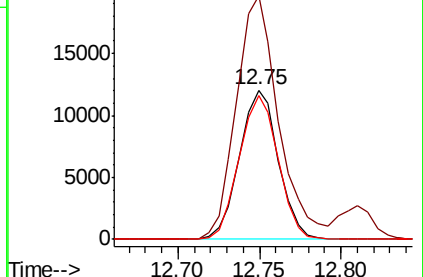
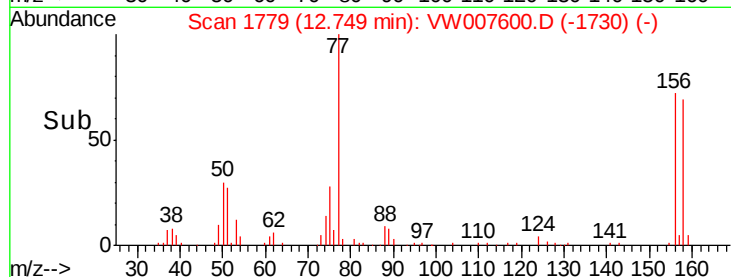
158 97.4 45.6 136.7



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: 22.429 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007600.D

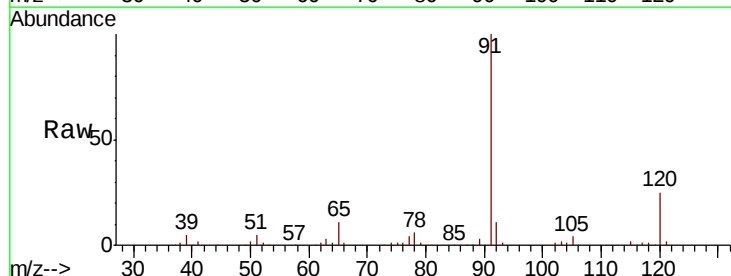
Acq: 16 Dec 2018 00:47

Tgt Ion: 91 Resp: 102253

Ion Ratio Lower Upper

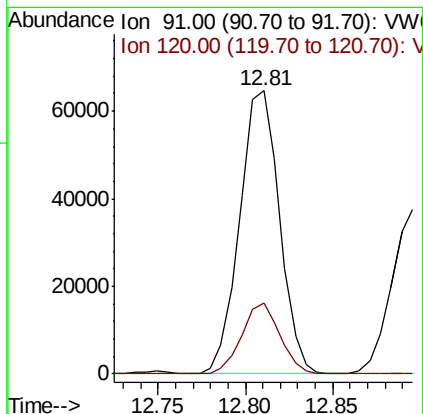
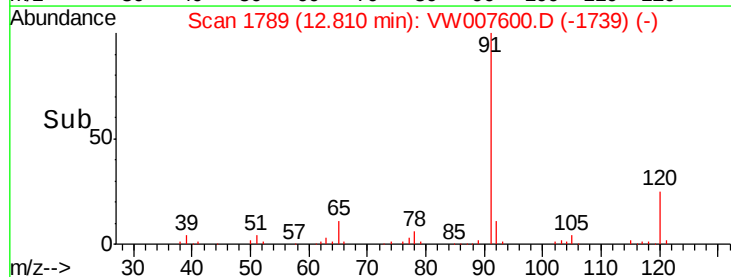
91 100

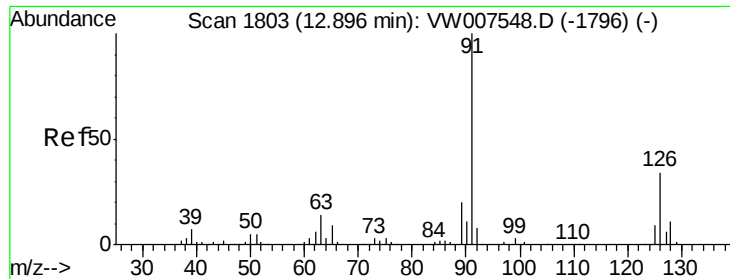
120 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.771 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

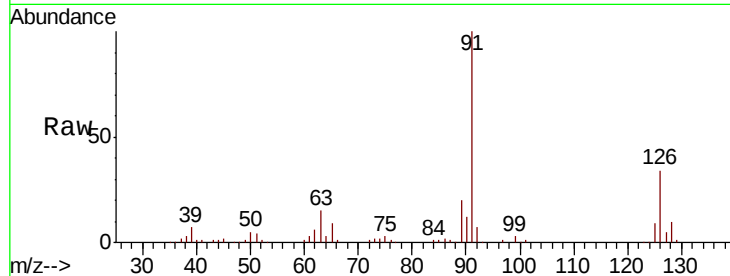
VW1218SBS01

Tgt Ion: 91 Resp: 60055

Ion Ratio Lower Upper

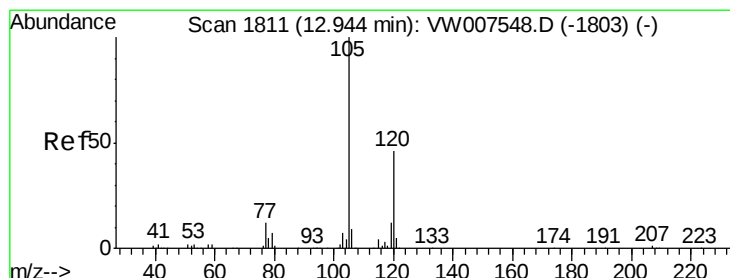
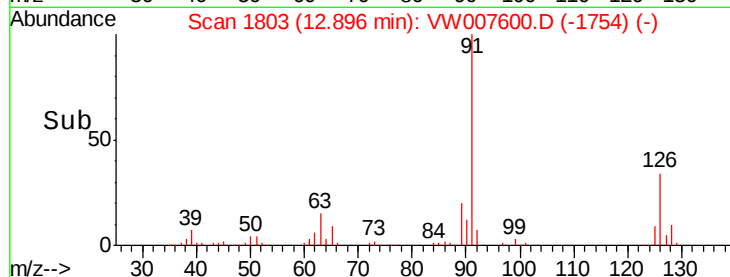
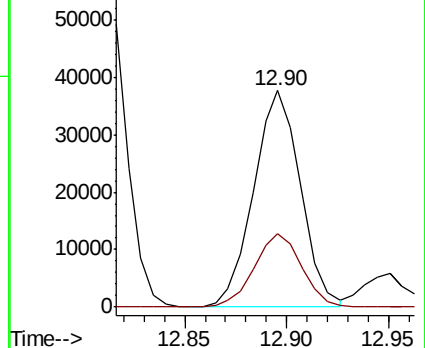
91 100

126 34.3 15.9 47.6



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: 22.532 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007600.D

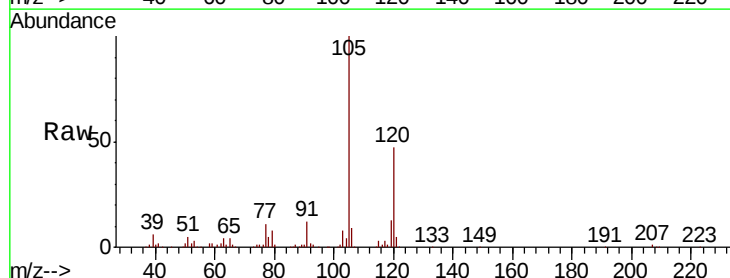
Acq: 16 Dec 2018 00:47

Tgt Ion:105 Resp: 76694

Ion Ratio Lower Upper

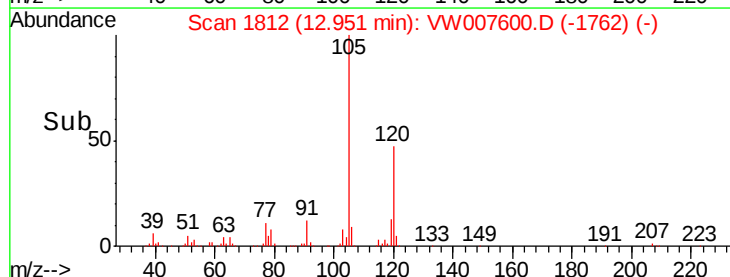
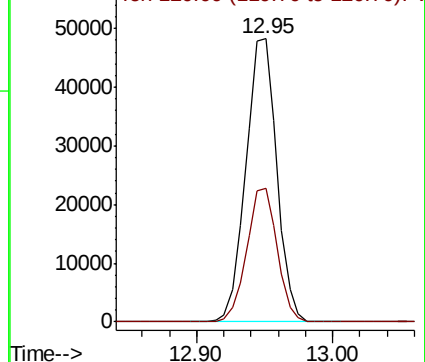
105 100

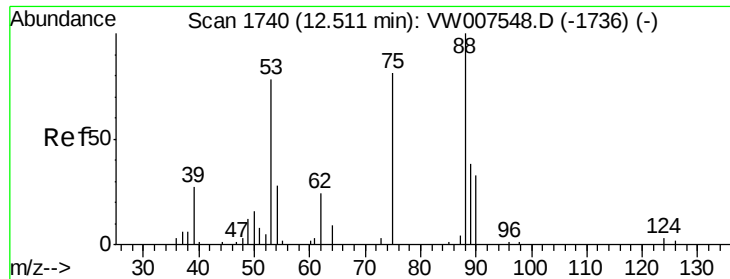
120 46.7 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

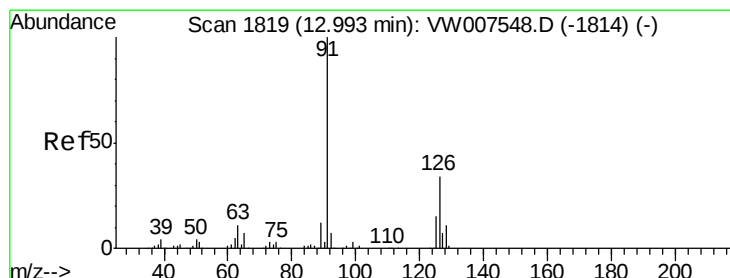
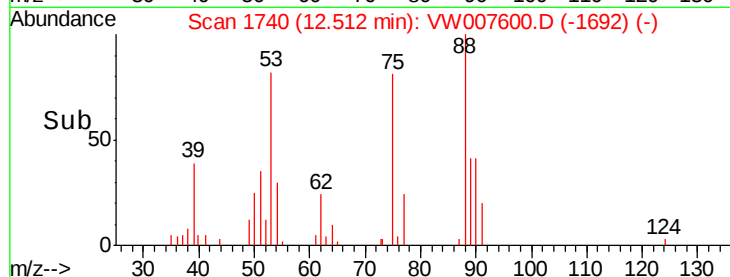
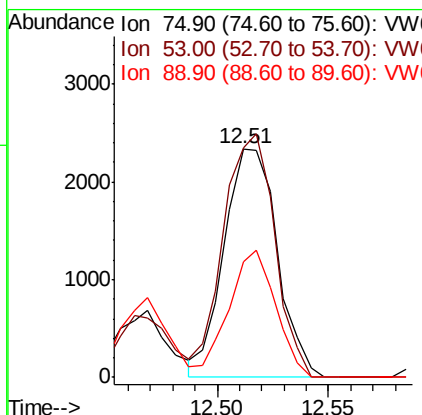
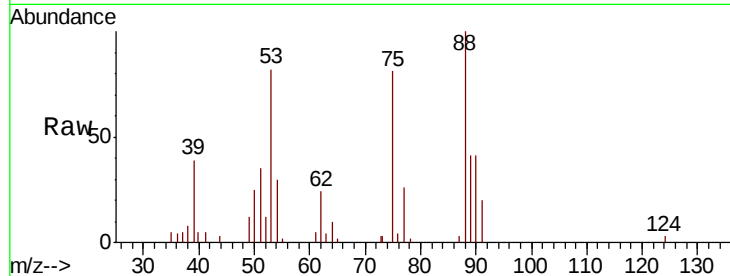




#81
trans-1,4-Dichloro-2-butene
Concen: 19.728 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

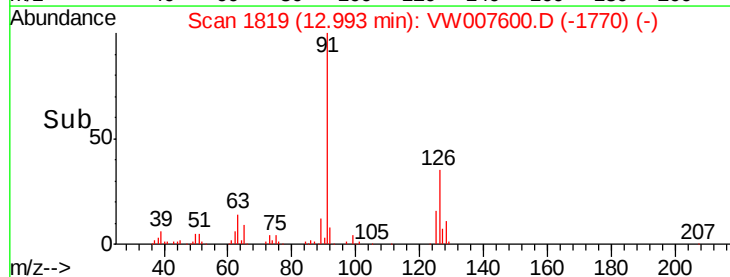
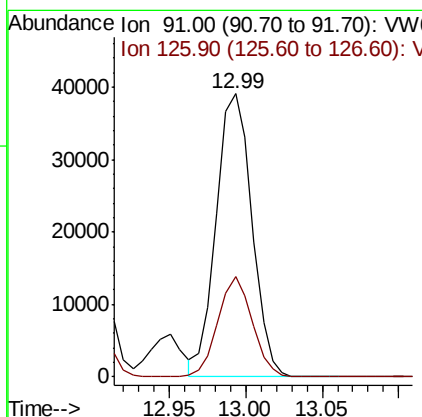
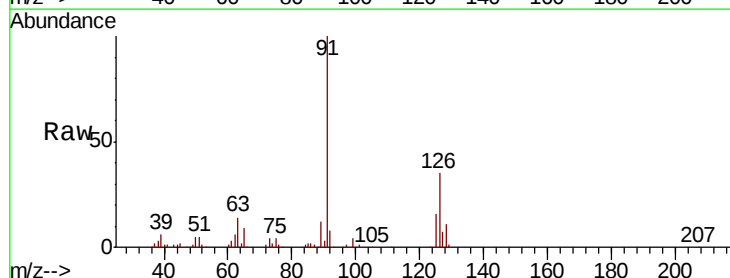
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

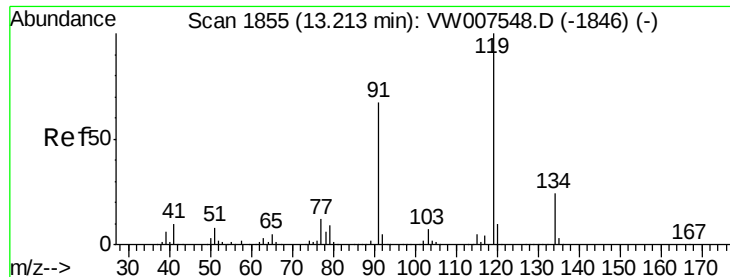
Tgt Ion: 75 Resp: 3893
Ion Ratio Lower Upper
75 100
53 102.6 84.9 127.3
89 49.3 40.3 60.5



#82
4-Chlorotoluene
Concen: 21.821 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion: 91 Resp: 63449
Ion Ratio Lower Upper
91 100
126 34.0 16.0 48.0





#83

tert-Butylbenzene

Concen: 22.162 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

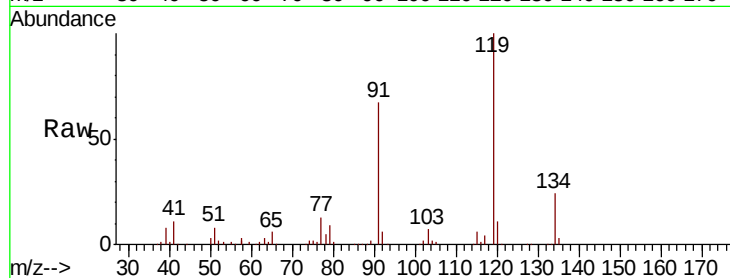
Tgt Ion:119 Resp: 66467

Ion Ratio Lower Upper

119 100

91 67.2 33.1 99.2

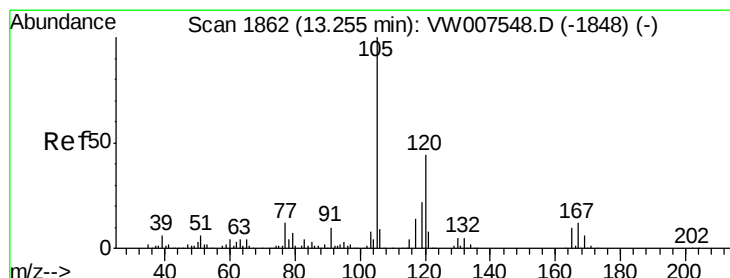
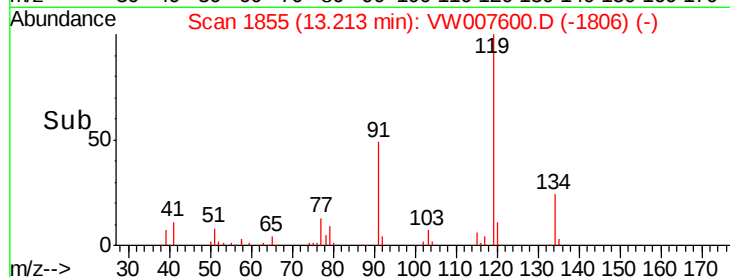
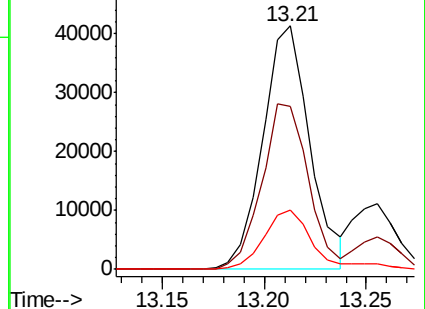
134 25.7 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.322 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007600.D

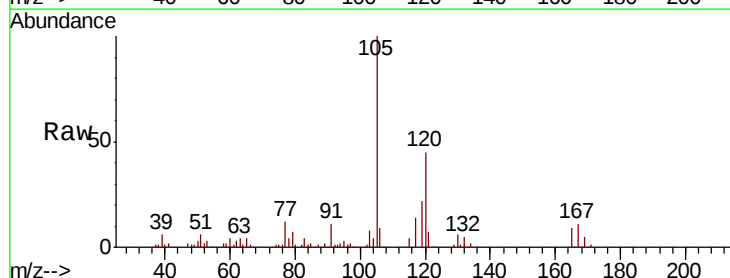
Acq: 16 Dec 2018 00:47

Tgt Ion:105 Resp: 78187

Ion Ratio Lower Upper

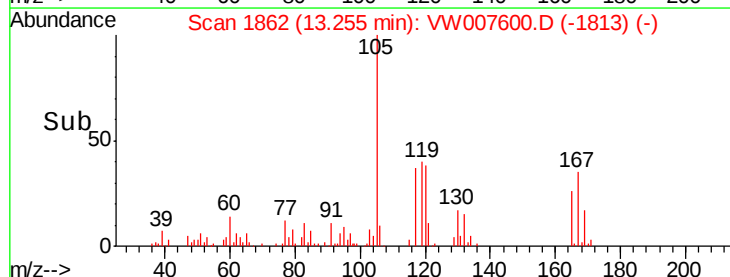
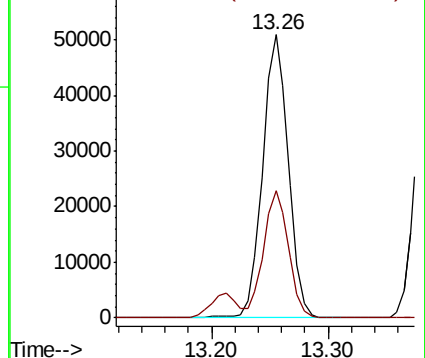
105 100

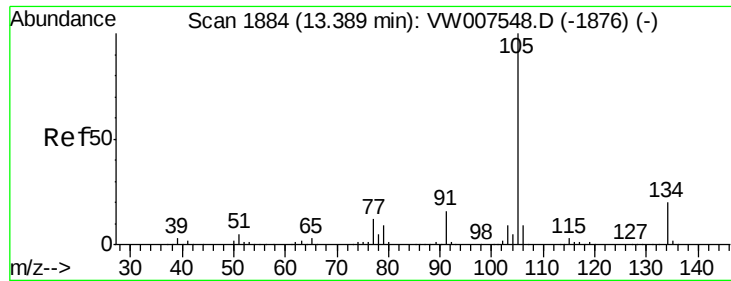
120 44.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.330 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

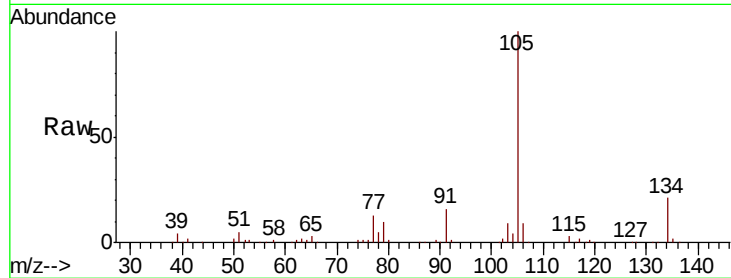
VW1218SBS01

Tgt Ion:105 Resp: 91425

Ion Ratio Lower Upper

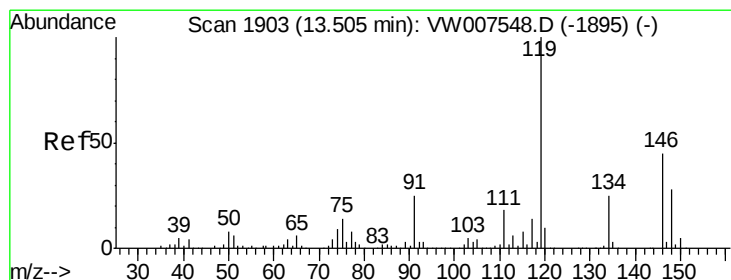
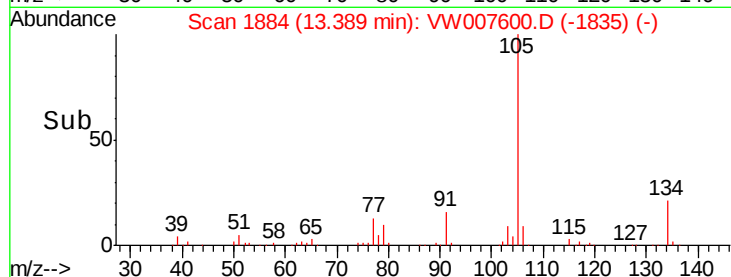
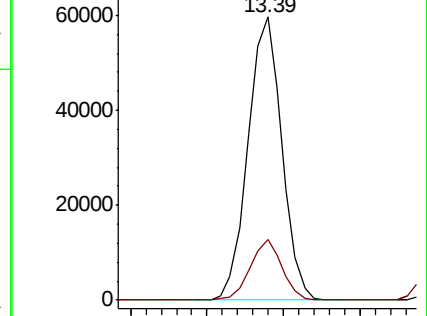
105 100

134 20.1 11.1 33.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.479 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

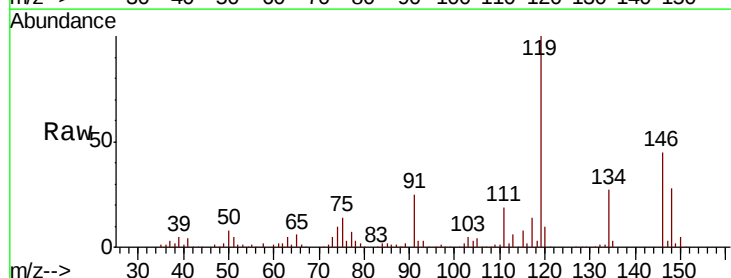
Tgt Ion:119 Resp: 82679

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

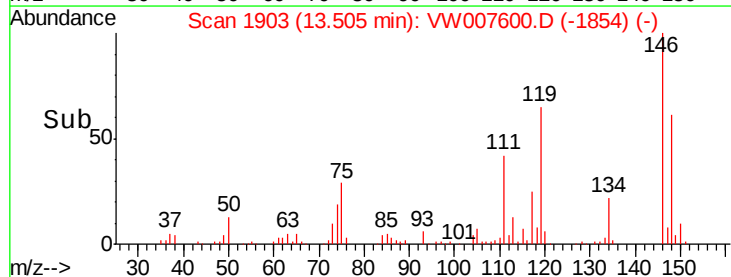
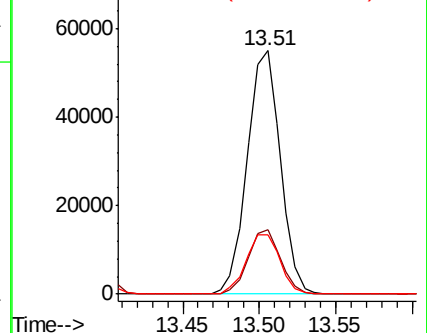
91 25.3 11.9 35.9

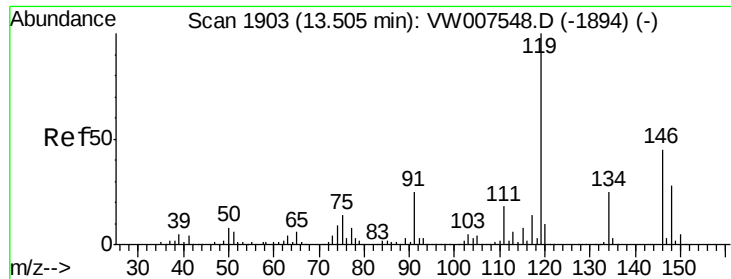


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

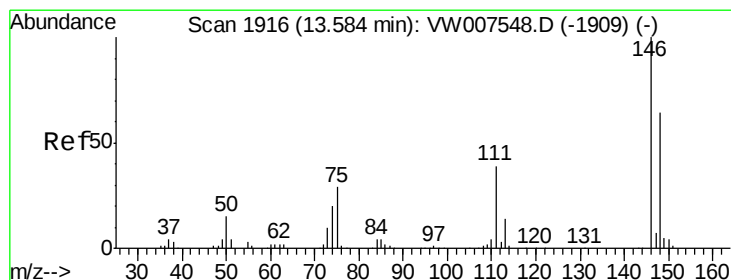
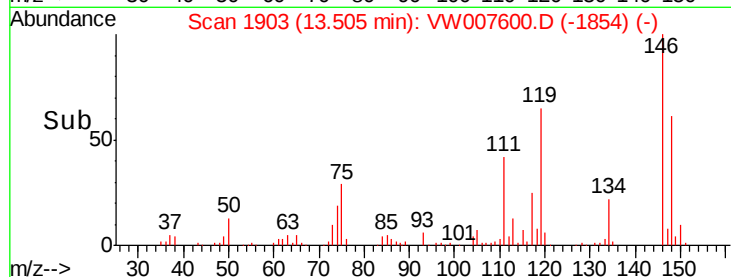
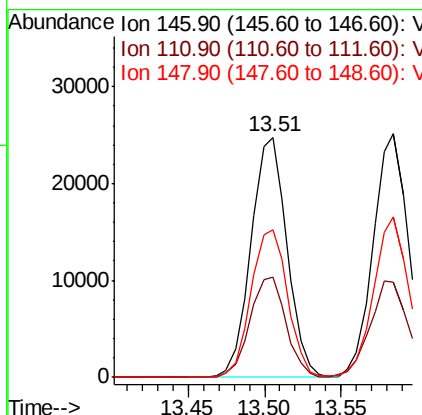
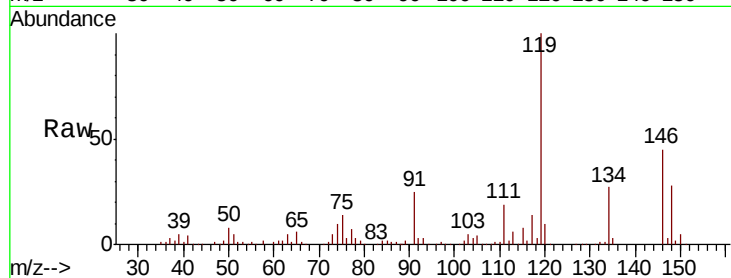




#87
 1,3-Dichlorobenzene
 Concen: 22.679 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

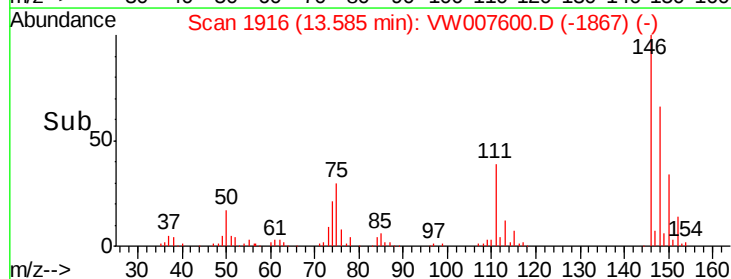
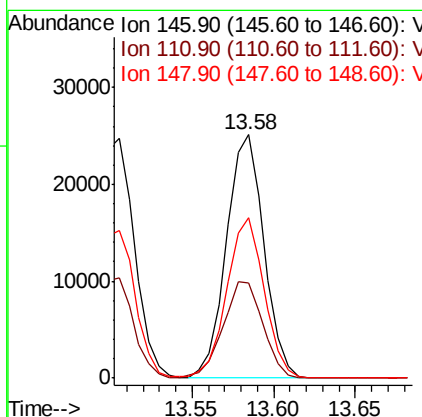
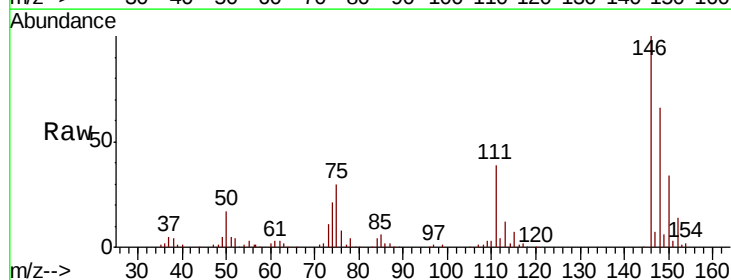
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

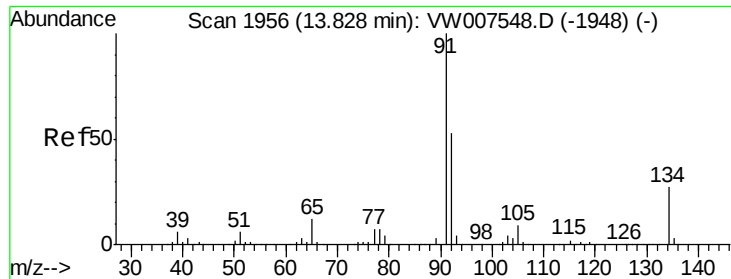
Tgt Ion:146 Resp: 40602
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.1 60.3
 148 62.7 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 22.343 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion:146 Resp: 40214
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 65.5 33.5 100.5





#89

n-Butylbenzene

Concen: 21.779 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

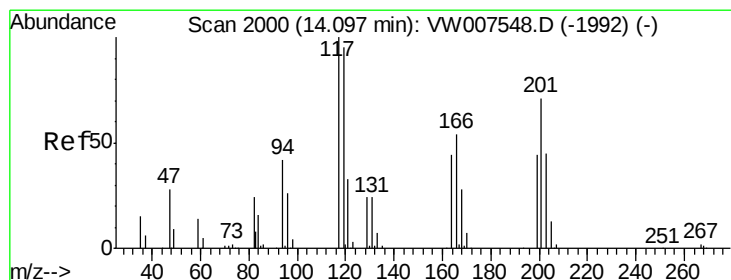
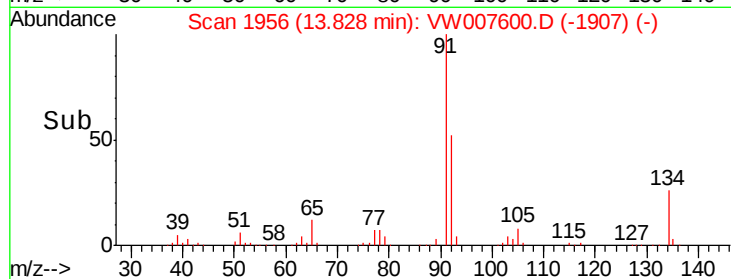
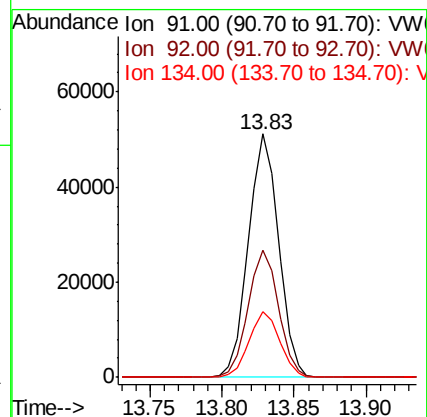
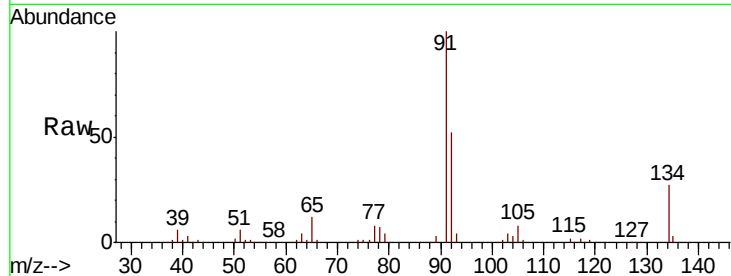
Tgt Ion: 91 Resp: 74262

Ion Ratio Lower Upper

91 100

92 52.5 25.7 77.1

134 27.3 13.4 40.2



#90

Hexachloroethane

Concen: 21.967 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007600.D

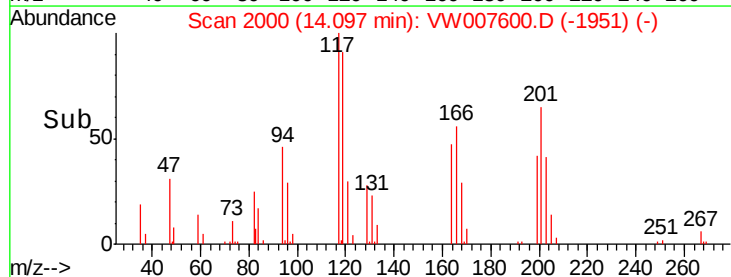
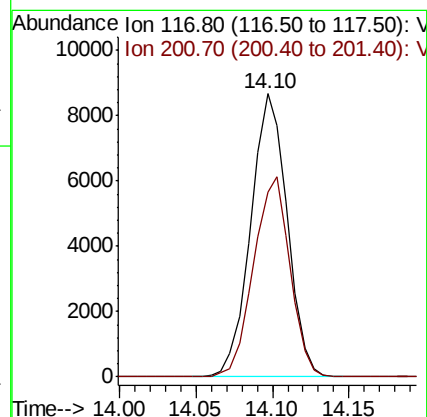
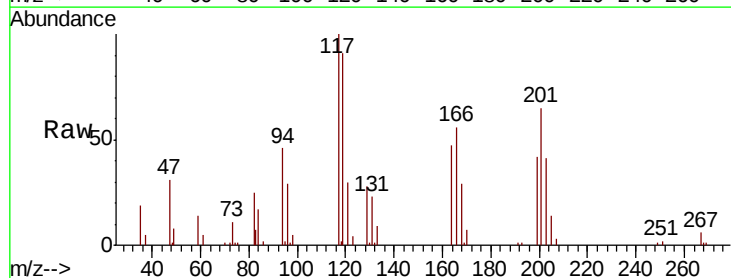
Acq: 16 Dec 2018 00:47

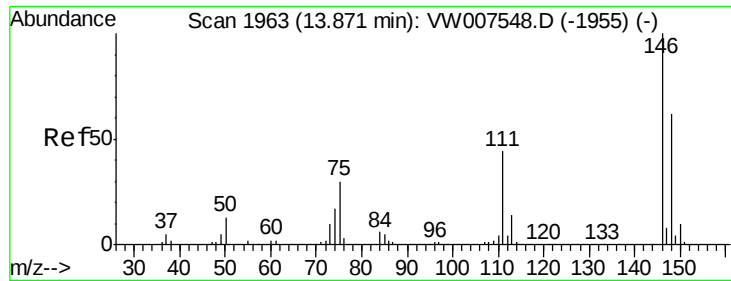
Tgt Ion: 117 Resp: 14376

Ion Ratio Lower Upper

117 100

201 70.5 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 22.724 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

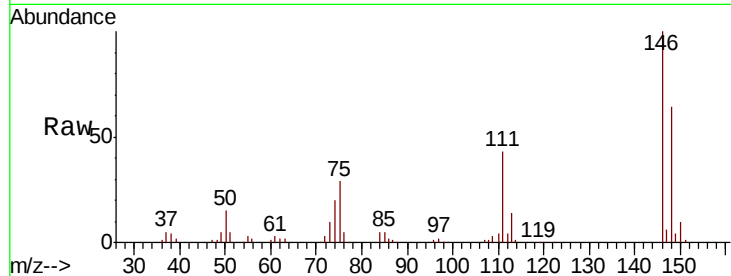
Tgt Ion:146 Resp: 36438

Ion Ratio Lower Upper

146 100

111 43.1 22.4 67.2

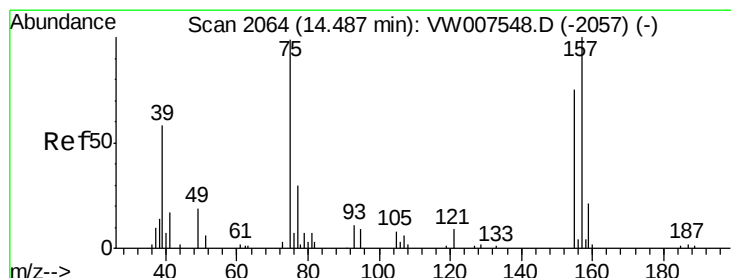
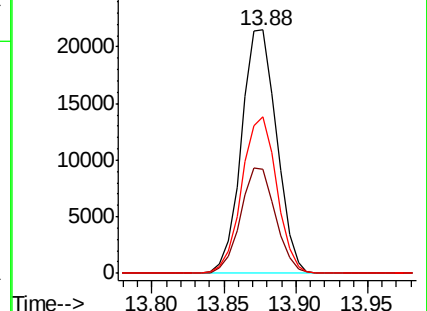
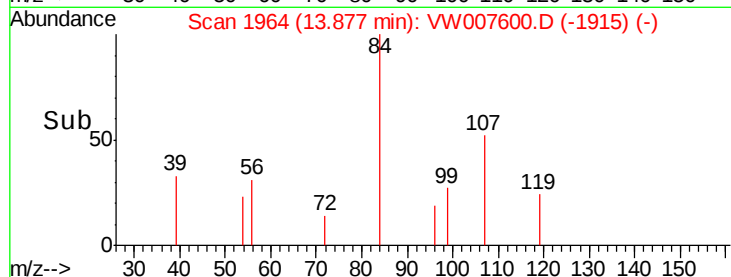
148 63.4 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.220 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW007600.D

Acq: 16 Dec 2018 00:47

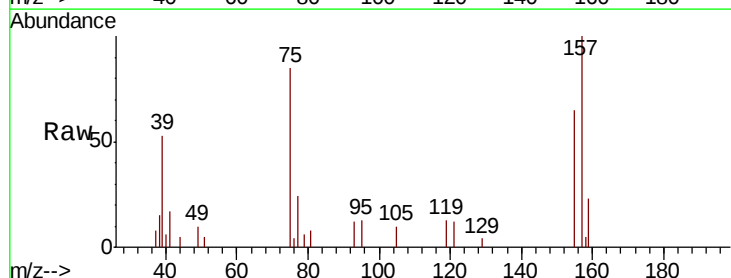
Tgt Ion: 75 Resp: 2555

Ion Ratio Lower Upper

75 100

155 80.4 40.8 122.2

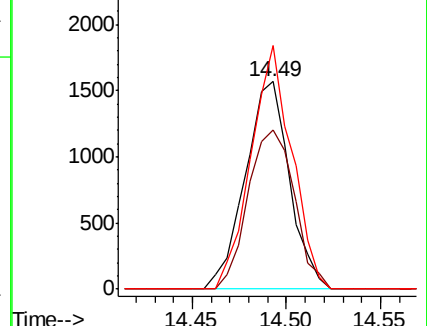
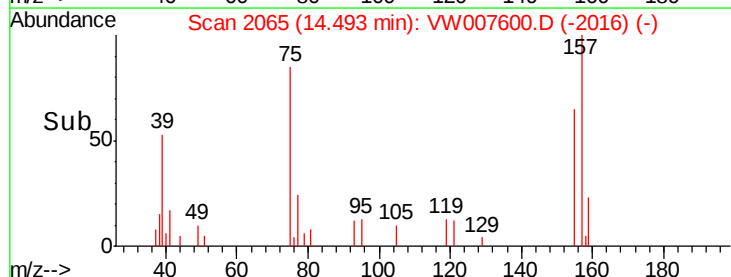
157 108.1 51.1 153.4

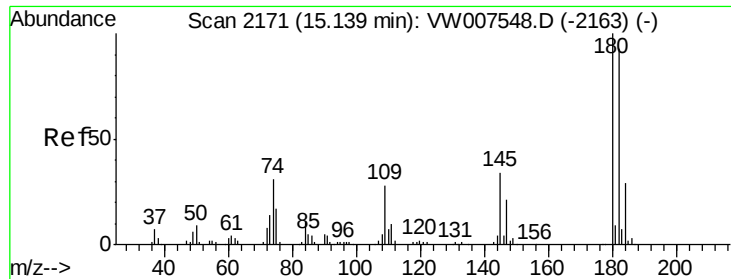


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

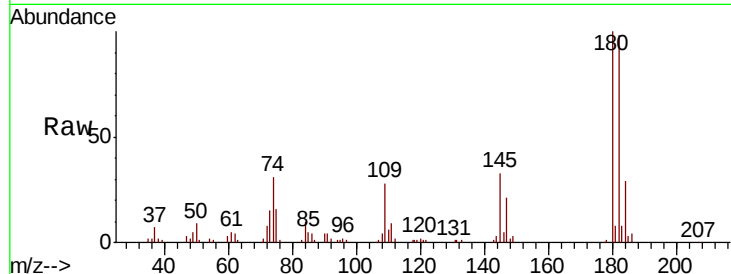




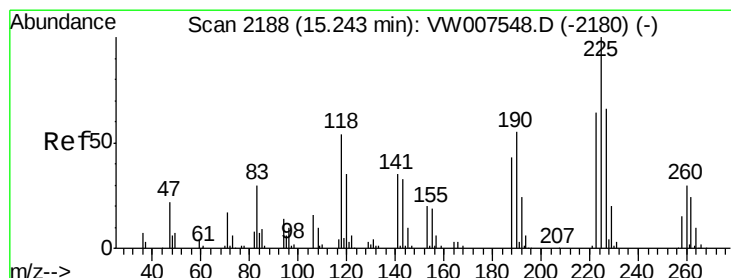
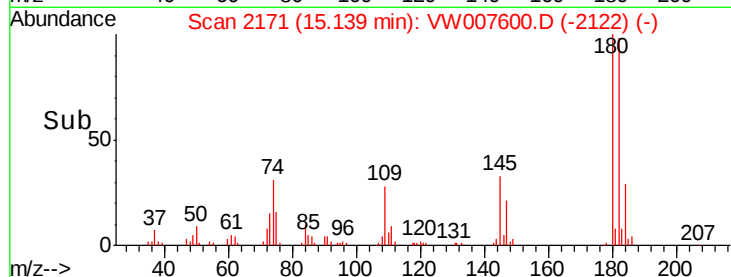
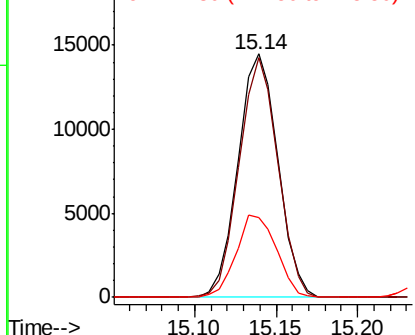
#93
 1,2,4-Trichlorobenzene
 Concen: 22.339 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

Tgt Ion:180 Resp: 24651
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.9 149.6
 145 34.1 17.8 53.4

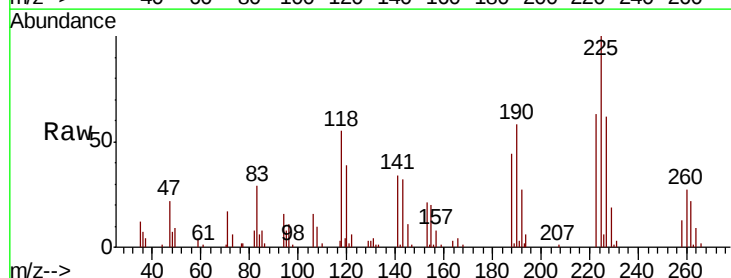


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

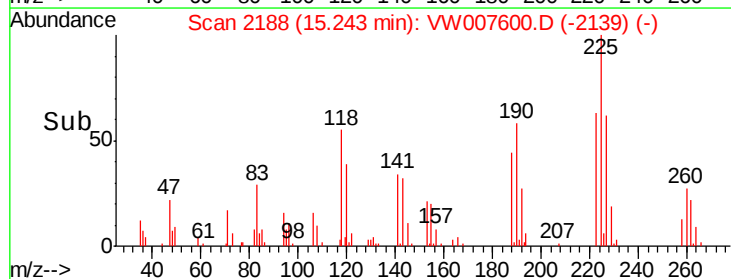
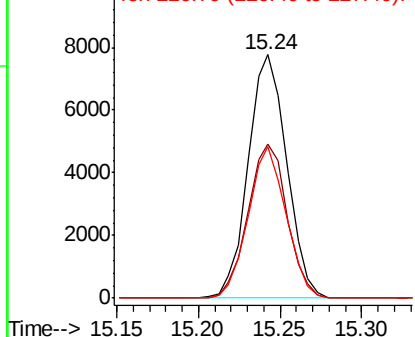


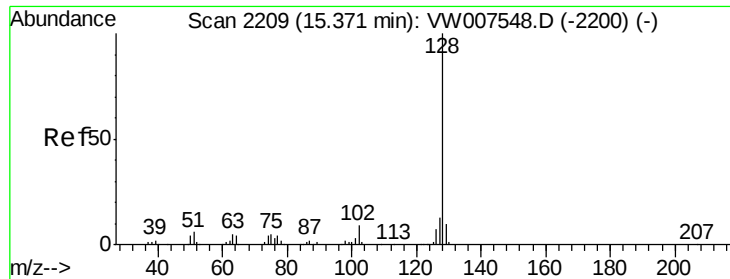
#94
 Hexachlorobutadiene
 Concen: 21.877 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007600.D
 Acq: 16 Dec 2018 00:47

Tgt Ion:225 Resp: 12809
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.1 96.3
 227 60.8 31.9 95.9



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

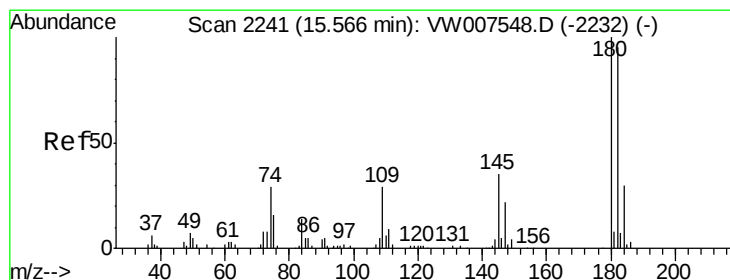
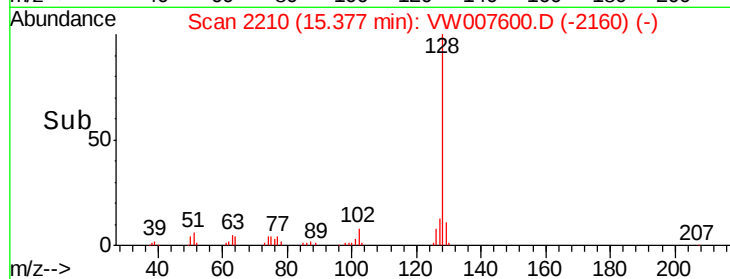
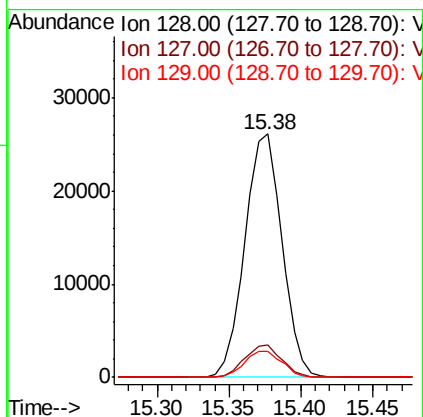
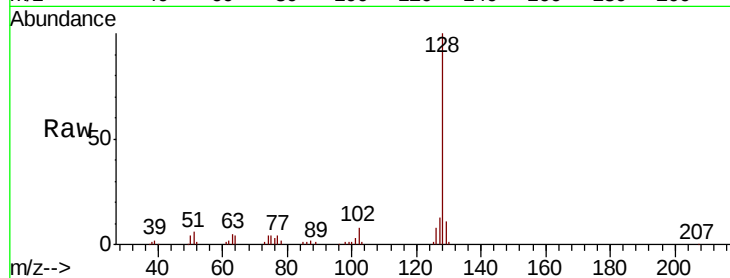




#95
Naphthalene
Concen: 22.074 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

Tgt Ion:128 Resp: 46598
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.164 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007600.D
Acq: 16 Dec 2018 00:47

Tgt Ion:180 Resp: 21246
Ion Ratio Lower Upper
180 100
182 95.2 45.6 136.7
145 36.1 17.5 52.5

