

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
 Data File : VW006847.D
 Acq On : 13 Nov 2018 11:49
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 13 15:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	365419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	478504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	465207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	271252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	121686	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	7.89	113	132833	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	10.33	98	563911	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.62	95	216363	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	140318	46.513	ug/l	97
3) Chloromethane	2.21	50	163178	47.980	ug/l	100
4) Vinyl Chloride	2.36	62	173264	47.459	ug/l	100
5) Bromomethane	2.78	94	122942	50.055	ug/l	97
6) Chloroethane	2.92	64	108570	46.086	ug/l	98
7) Trichlorofluoromethane	3.26	101	231682	48.077	ug/l	99
8) Diethyl Ether	3.69	74	68725	48.600	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	148550	45.461	ug/l	98
10) Methyl Iodide	4.28	142	200514	43.783	ug/l	100
11) Tert butyl alcohol	5.22	59	45689	260.557	ug/l	99
12) 1,1-Dichloroethene	4.04	96	132832	48.125	ug/l	94
13) Acrolein	3.90	56	56832	309.888	ug/l	99
14) Allyl chloride	4.68	41	176272	48.555	ug/l	99
15) Acrylonitrile	5.38	53	133088	248.514	ug/l	99
16) Acetone	4.15	43	94234	245.632	ug/l	95
17) Carbon Disulfide	4.39	76	412424	47.248	ug/l	99
18) Methyl Acetate	4.68	43	61350	46.750	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	334735	51.081	ug/l	100
20) Methylene Chloride	4.92	84	163715	46.513	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	151842	46.646	ug/l	98
22) Diisopropyl ether	6.32	45	370011	49.076	ug/l	100
23) Vinyl Acetate	6.26	43	1059951	249.379	ug/l	97
24) 1,1-Dichloroethane	6.23	63	237969	47.591	ug/l	100
25) 2-Butanone	7.18	43	159671	246.103	ug/l	100
26) 2,2-Dichloropropane	7.18	77	232659	46.244	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	168769	48.631	ug/l	99
28) Bromochloromethane	7.52	49	81567	46.635	ug/l	97
29) Tetrahydrofuran	7.54	42	101273	243.912	ug/l	98
30) Chloroform	7.68	83	259562	47.542	ug/l	100
31) Cyclohexane	7.96	56	231833	45.294	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	250372	47.509	ug/l	99
36) 1,1-Dichloropropene	8.09	75	217768	48.632	ug/l	99
37) Ethyl Acetate	7.26	43	73050	49.889	ug/l	99
38) Carbon Tetrachloride	8.07	117	228118	46.872	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285748	49.186	ug/l	99
40) Benzene	8.33	78	606152	48.681	ug/l	100
41) Methacrylonitrile	7.49	41	45353	50.445	ug/l	98
42) 1,2-Dichloroethane	8.40	62	161241	48.334	ug/l	99
43) Isopropyl Acetate	8.43	43	145231	50.999	ug/l	99
44) Trichloroethene	9.10	130	192395	48.970	ug/l	100
45) 1,2-Dichloropropane	9.37	63	142246	49.016	ug/l	97
46) Dibromomethane	9.46	93	78375	48.518	ug/l	99
47) Bromodichloromethane	9.65	83	193432	48.276	ug/l	100
48) Methyl methacrylate	9.44	41	69614	49.861	ug/l	100
49) 1,4-Dioxane	9.48	88	25904	1061.393	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	362917	254.158	ug/l	99
52) Toluene	10.39	92	440520	49.904	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	198314	50.276	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	234195	50.070	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	119355	49.792	ug/l	97
56) Ethyl methacrylate	10.65	69	140936	53.648	ug/l	97
57) 1,3-Dichloropropane	10.94	76	188288	49.599	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	331637	252.055	ug/l	98
59) 2-Hexanone	10.97	43	269281	273.402	ug/l	99
60) Dibromochloromethane	11.13	129	147010	50.120	ug/l	99
61) 1,2-Dibromoethane	11.24	107	115009	50.518	ug/l	99
64) Tetrachloroethene	10.87	164	183698	49.275	ug/l	99
65) Chlorobenzene	11.66	112	513687	49.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	164320	49.067	ug/l	100
67) Ethyl Benzene	11.74	91	896031	50.927	ug/l	98
68) m/p-Xylenes	11.84	106	737573	102.458	ug/l	99
69) o-Xylene	12.17	106	349214	52.123	ug/l	99
70) Styrene	12.18	104	561760	52.386	ug/l	99
71) Bromoform	12.35	173	89909	49.194	ug/l #	100
73) Isopropylbenzene	12.47	105	947241	50.309	ug/l	99
74) N-amyl acetate	12.28	43	152488	53.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	126250	48.471	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	167958	85.920	ug/l #	100
77) Bromobenzene	12.75	156	236326	49.784	ug/l	98
78) n-propylbenzene	12.81	91	1116466	50.241	ug/l	100
79) 2-Chlorotoluene	12.90	91	622393	49.920	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	826469	51.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	39114	49.494	ug/l	96
82) 4-Chlorotoluene	12.99	91	663307	49.864	ug/l	100
83) tert-Butylbenzene	13.21	119	731192	51.105	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	832984	50.569	ug/l	100
85) sec-Butylbenzene	13.39	105	1021167	50.367	ug/l	100
86) p-Isopropyltoluene	13.51	119	946956	51.349	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	481164	49.733	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	473875	49.507	ug/l	99
89) n-Butylbenzene	13.83	91	851509	50.524	ug/l	99
90) Hexachloroethane	14.10	117	142818	48.399	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	423272	50.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20805	49.892	ug/l	97

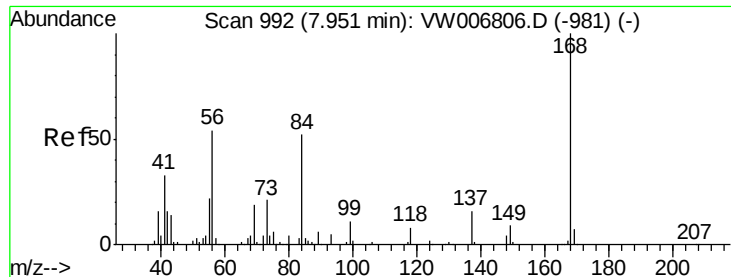
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	326697	51.358	ug/l	100
94) Hexachlorobutadiene	15.24	225	202898	50.337	ug/l	99
95) Naphthalene	15.38	128	509735	53.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	275521	50.472	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

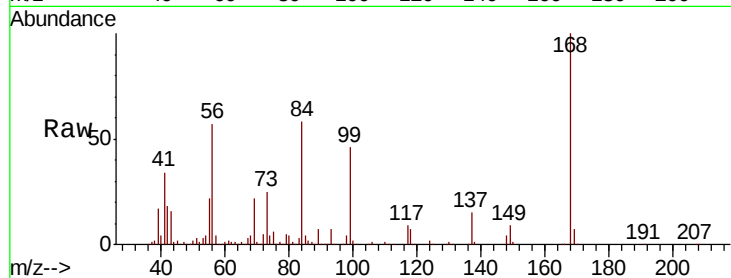
ClientSampleId :

Tot Ion:168 Resp: 365419

Ion Ratio Lower Upper

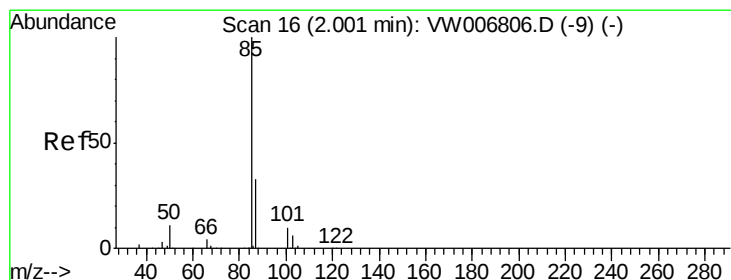
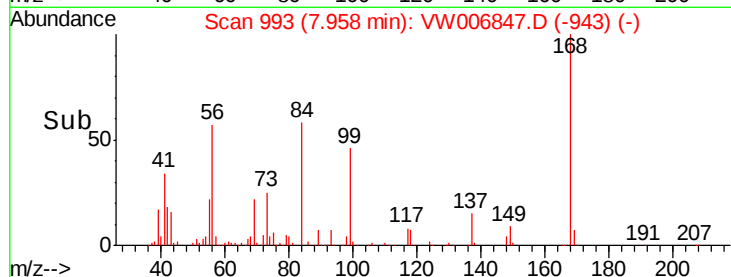
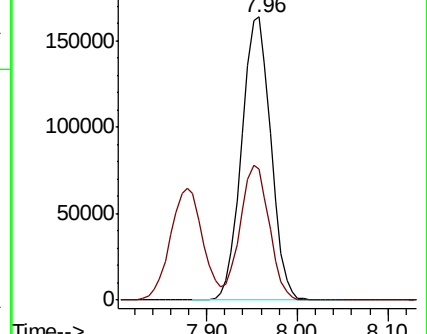
168 100

99 46.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.513 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006847.D

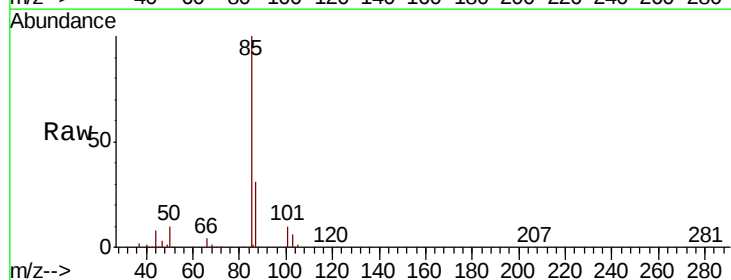
Acq: 13 Nov 2018 11:49

Tgt Ion: 85 Resp: 140318

Ion Ratio Lower Upper

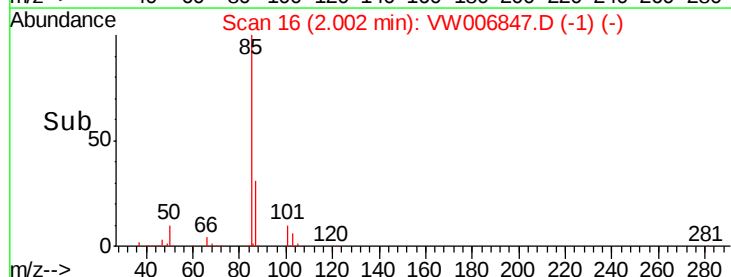
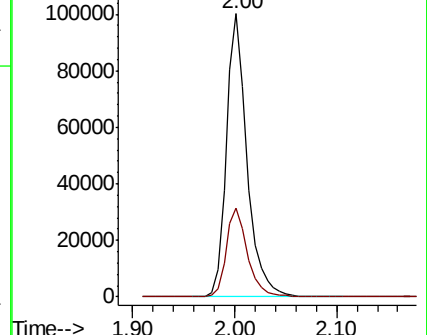
85 100

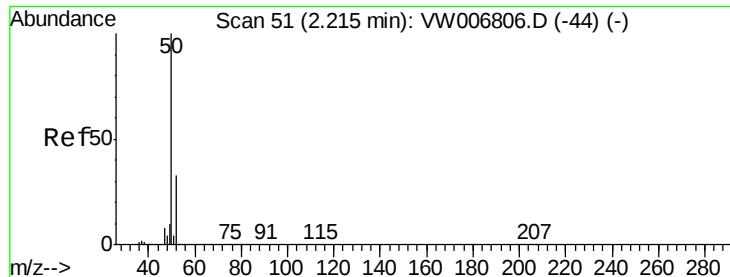
87 31.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.980 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

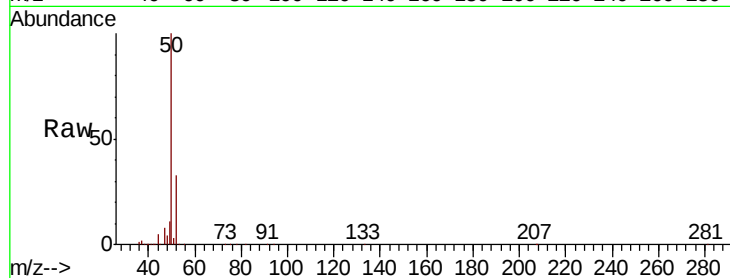
ClientSampled :

Tot Ion: 50 Resp: 163178

Ion Ratio Lower Upper

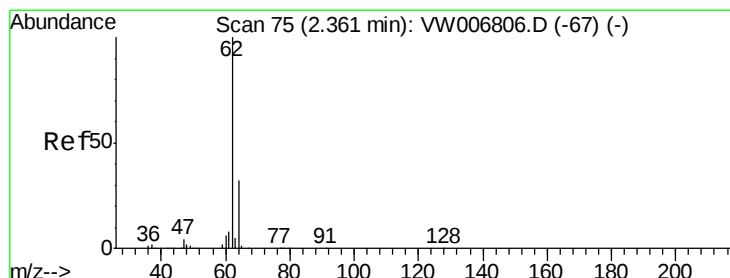
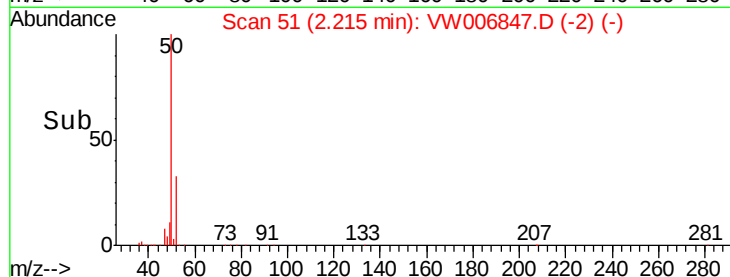
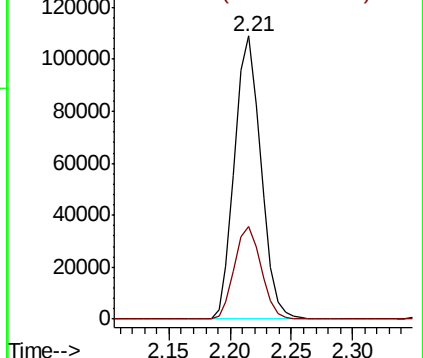
50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.459 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006847.D

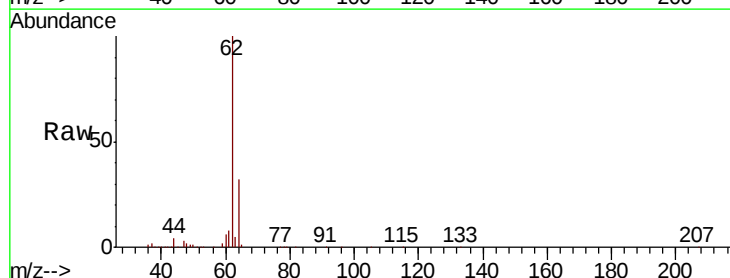
Acq: 13 Nov 2018 11:49

Tgt Ion: 62 Resp: 173264

Ion Ratio Lower Upper

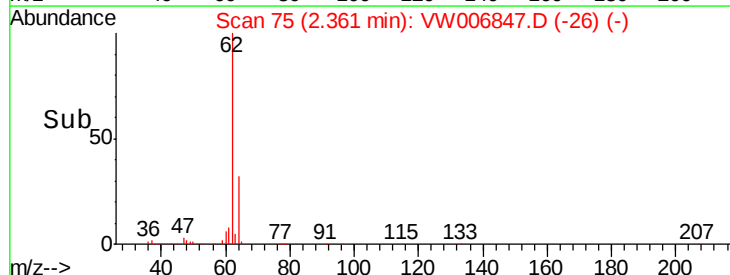
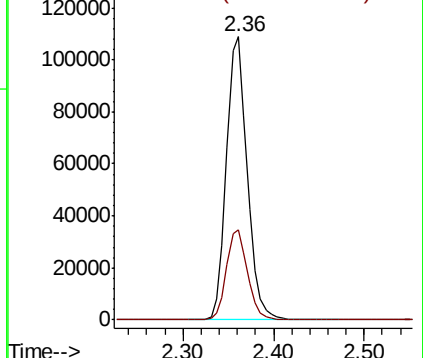
62 100

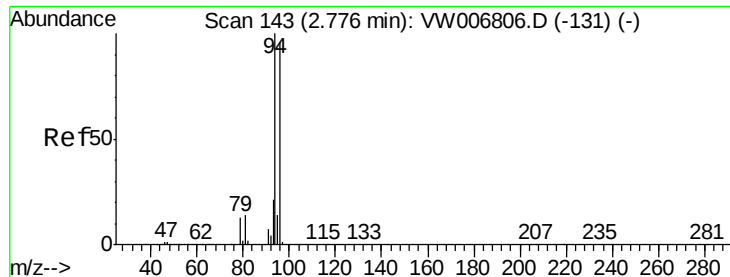
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.055 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

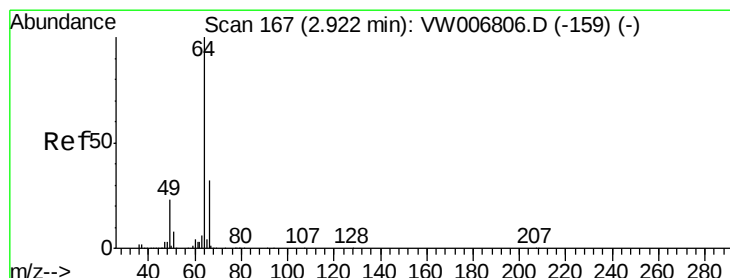
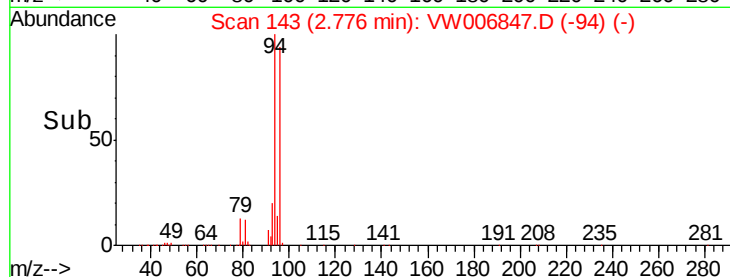
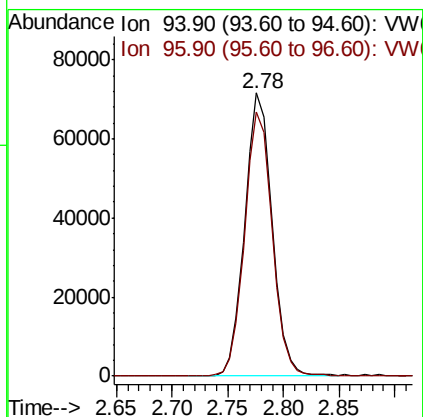
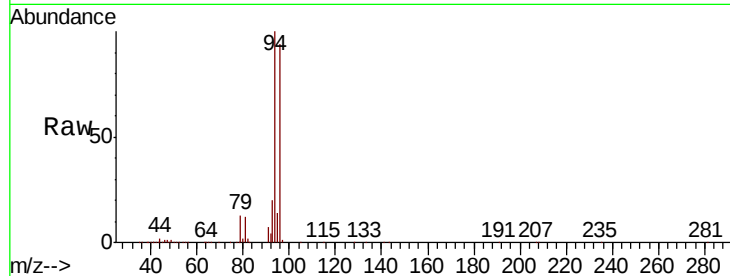
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 122942

Ion Ratio Lower Upper

94 100

96 93.4 76.8 115.2



#6

Chloroethane

Concen: 46.086 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006847.D

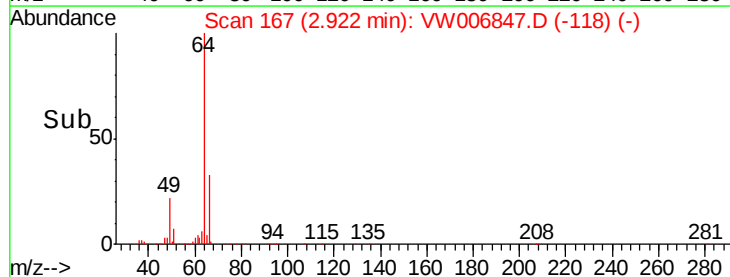
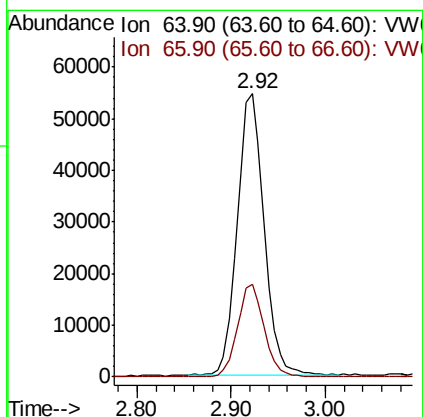
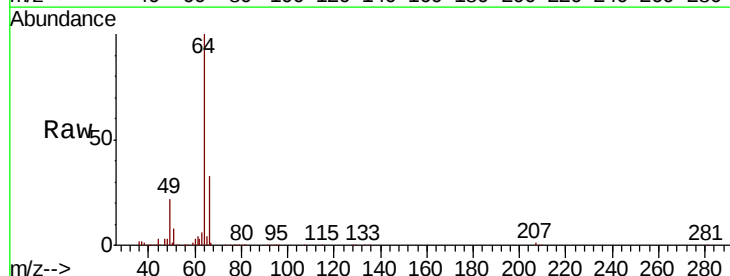
Acq: 13 Nov 2018 11:49

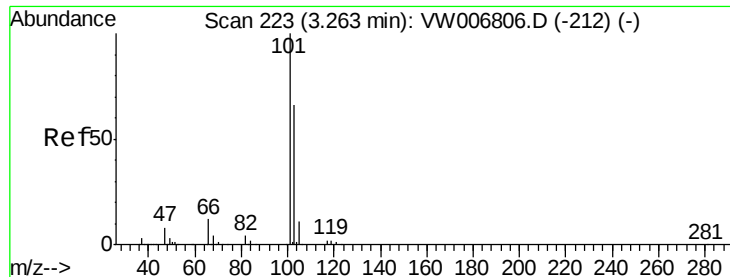
Tgt Ion: 64 Resp: 108570

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3



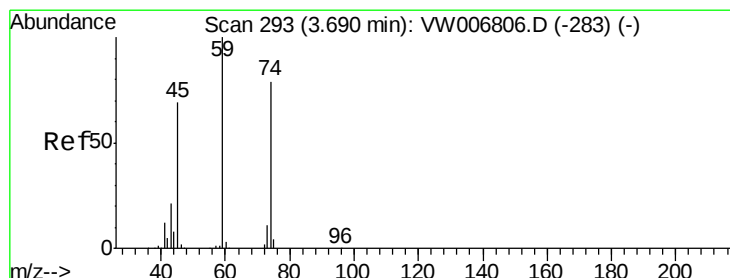
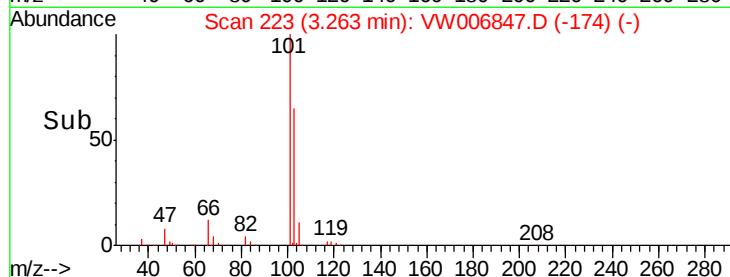
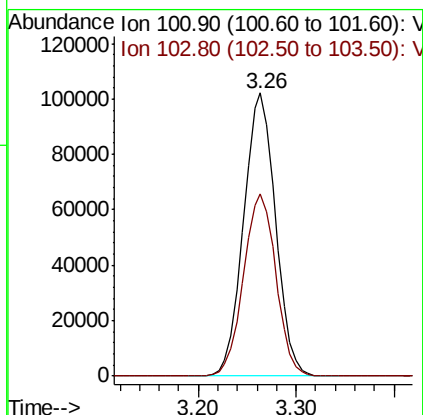
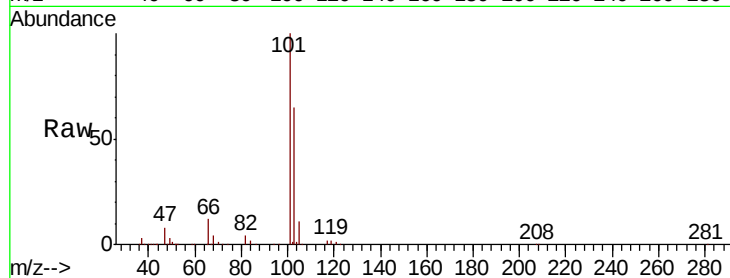


#7

Trichlorofluoromethane
 Concen: 48.077 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :

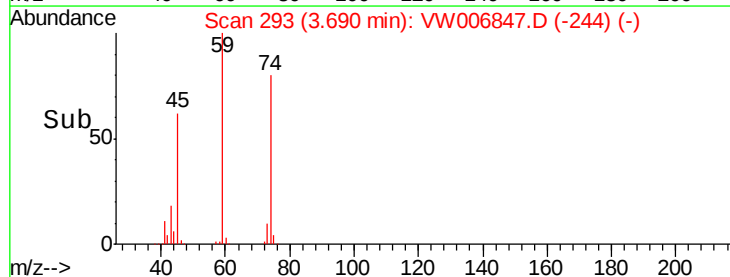
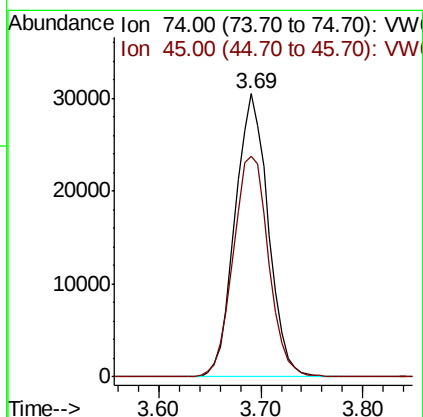
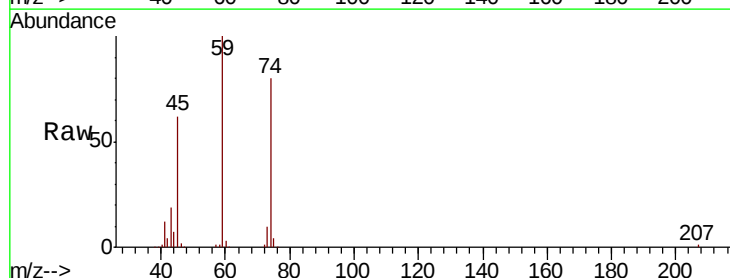
Tot Ion:101 Resp: 231682
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.6 79.0

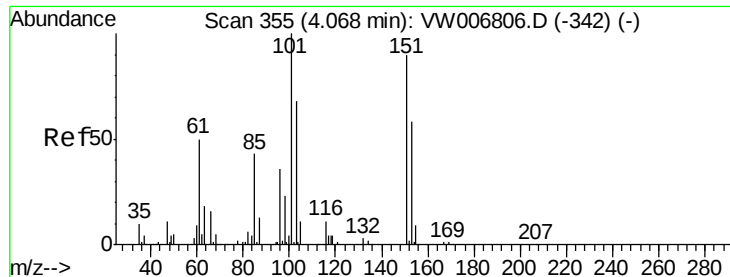


#8

Diethyl Ether
 Concen: 48.600 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Tgt Ion: 74 Resp: 68725
 Ion Ratio Lower Upper
 74 100
 45 83.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.461 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

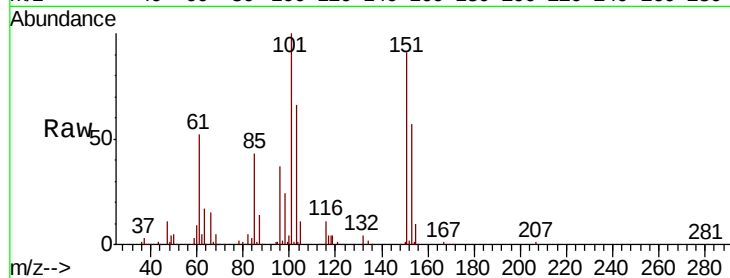
Tot Ion:101 Resp: 148550

Ion Ratio Lower Upper

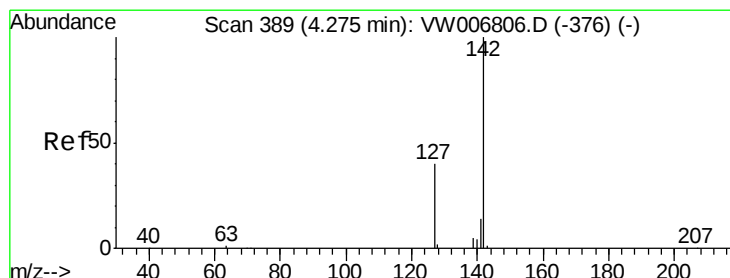
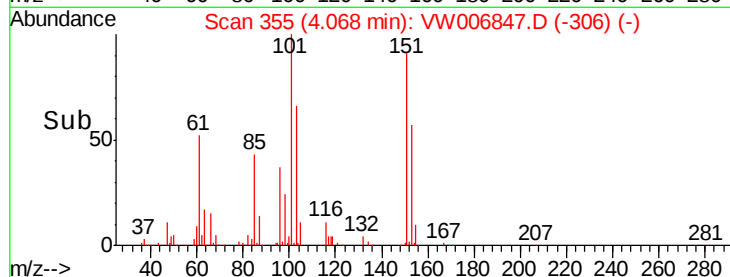
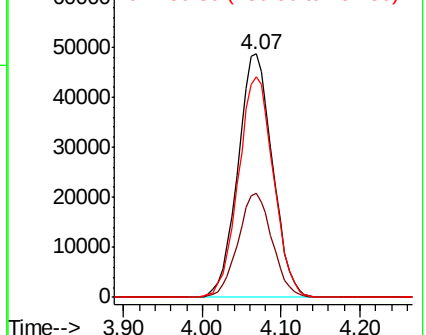
101 100

85 42.2 33.8 50.8

151 91.4 71.4 107.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.783 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

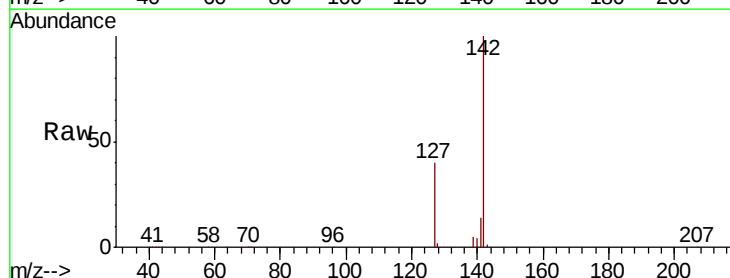
Tgt Ion:142 Resp: 200514

Ion Ratio Lower Upper

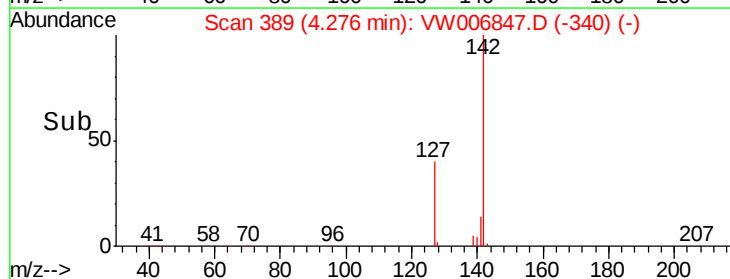
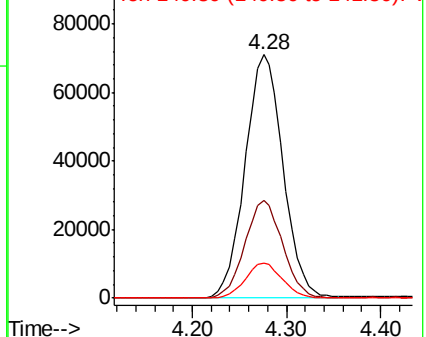
142 100

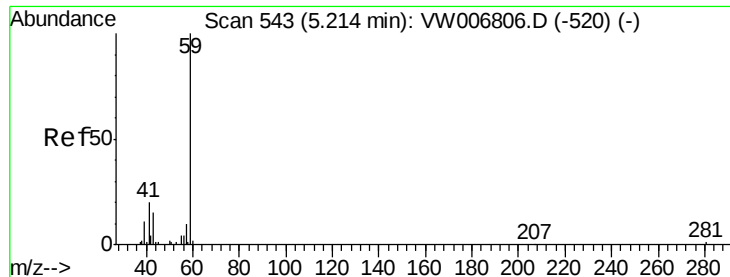
127 40.0 31.8 47.8

141 14.2 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



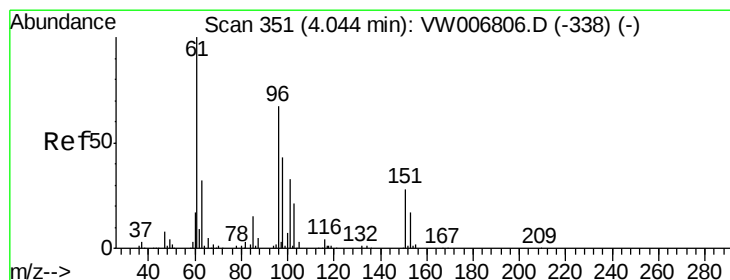
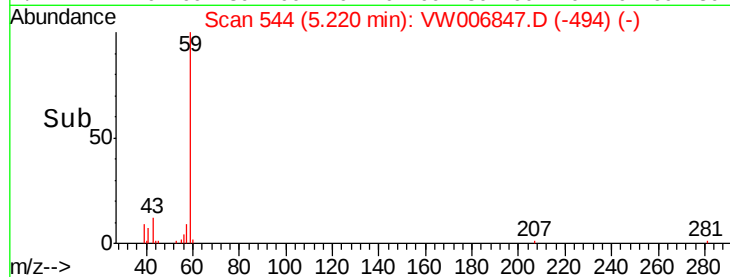
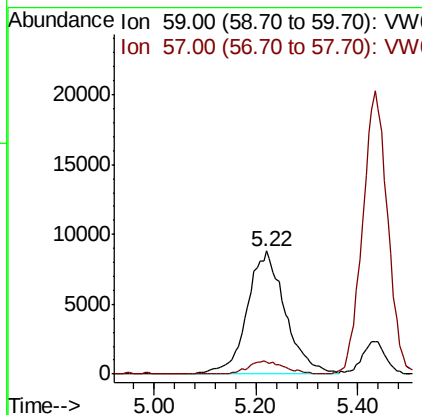
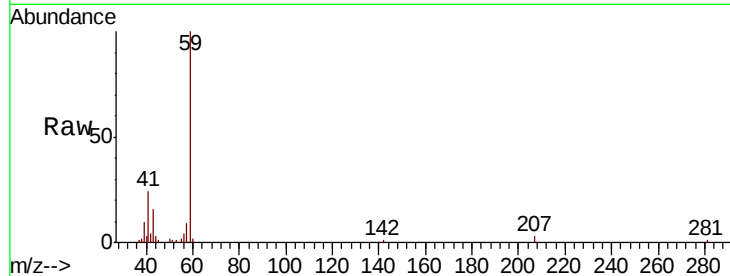


#11

Tert butyl alcohol
Concen: 260.557 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampled :

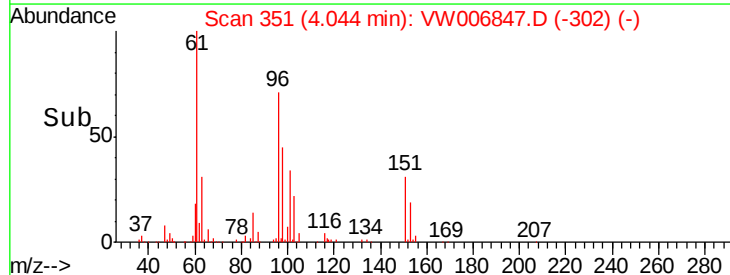
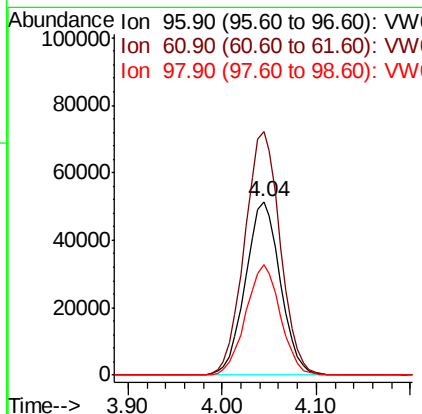
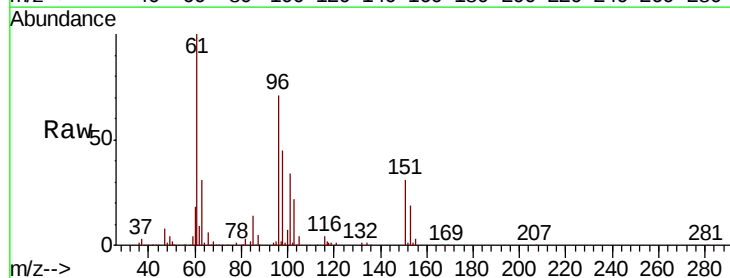
Tot Ion: 59 Resp: 45689
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

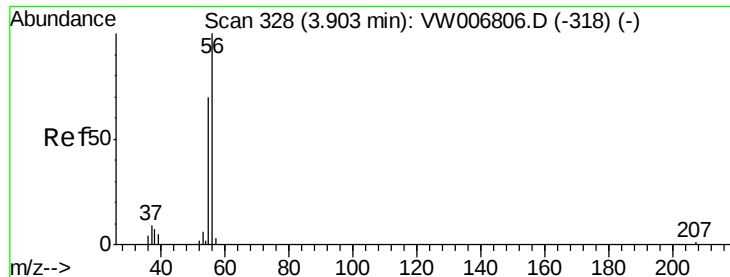


#12

1,1-Dichloroethene
Concen: 48.125 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 96 Resp: 132832
Ion Ratio Lower Upper
96 100
61 140.1 119.8 179.6
98 63.6 51.5 77.3





#13

Acrolein

Concen: 309.888 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

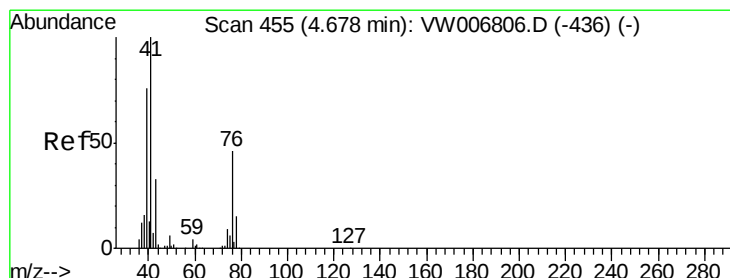
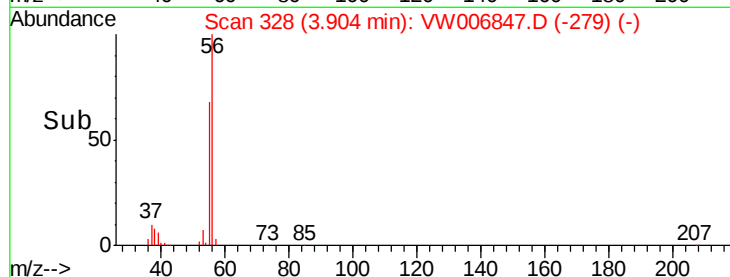
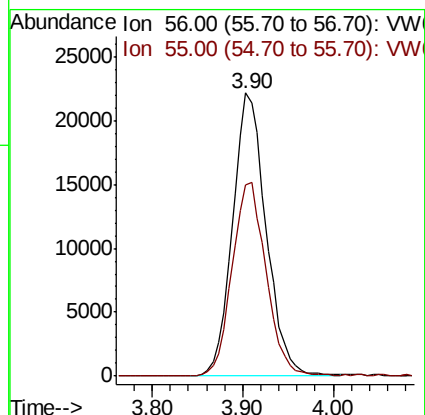
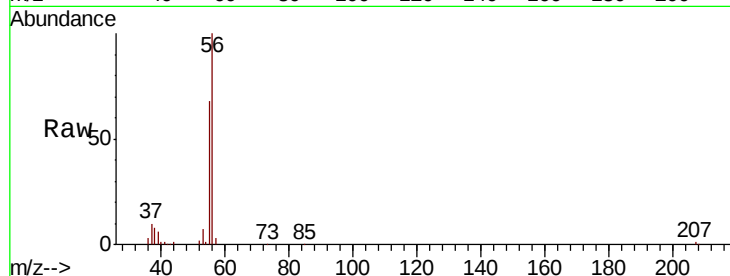
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 56832

Ion Ratio Lower Upper

56 100

55 69.6 56.1 84.1



#14

Allyl chloride

Concen: 48.555 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

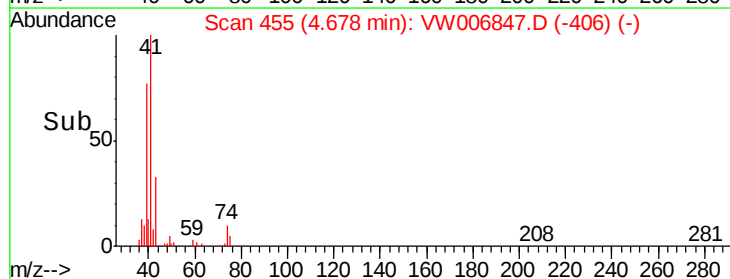
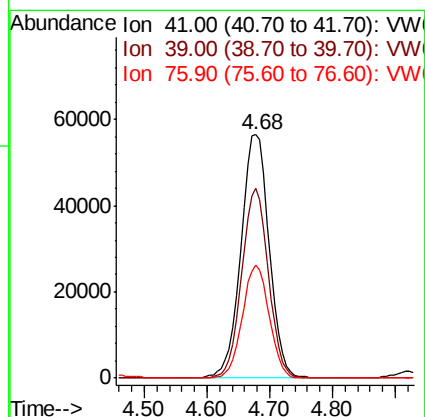
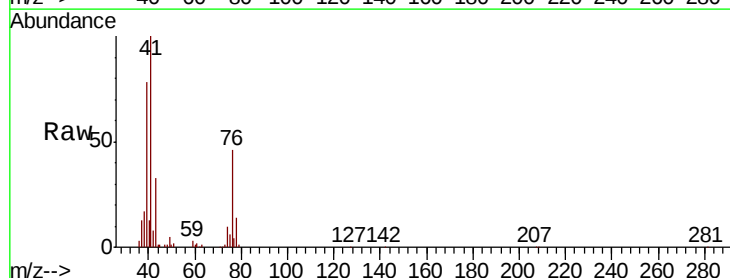
Tgt Ion: 41 Resp: 176272

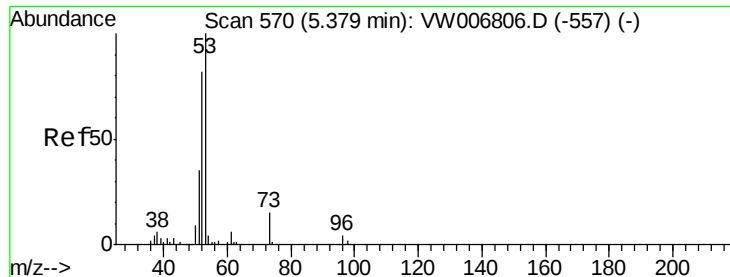
Ion Ratio Lower Upper

41 100

39 73.5 58.9 88.3

76 44.1 34.4 51.6





#15

Acrylonitrile

Concen: 248.514 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampled :

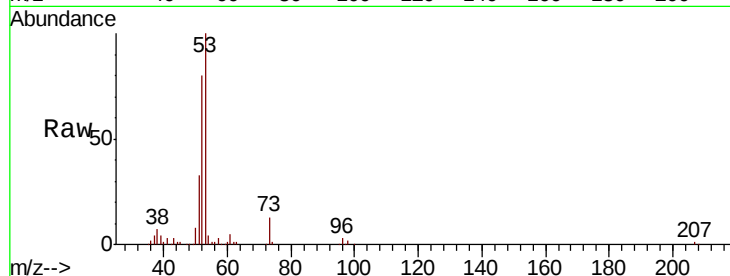
Tot Ion: 53 Resp: 133088

Ion Ratio Lower Upper

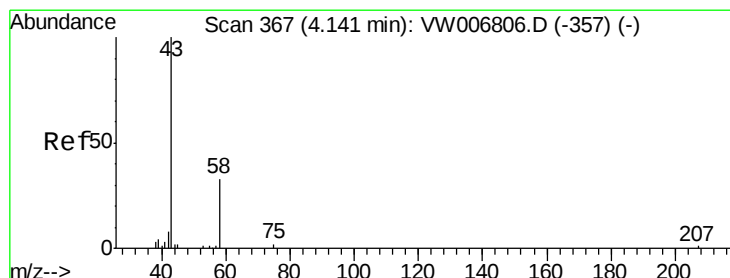
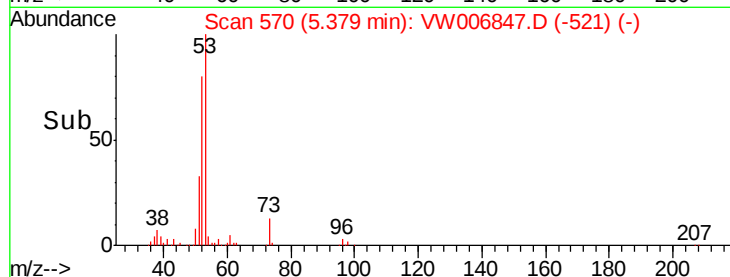
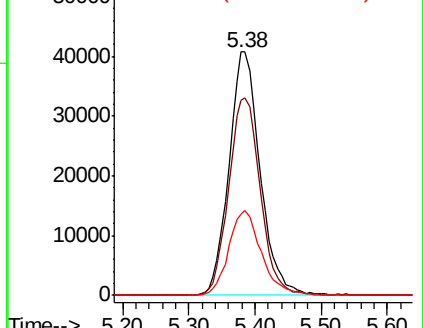
53 100

52 82.3 65.2 97.8

51 36.4 30.0 45.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 245.632 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006847.D

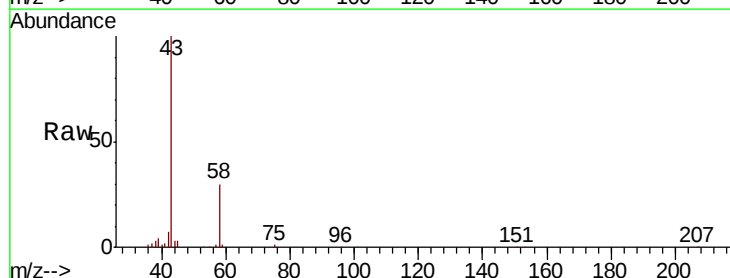
Acq: 13 Nov 2018 11:49

Tgt Ion: 43 Resp: 94234

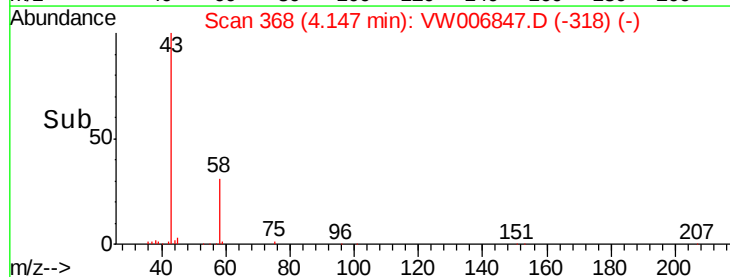
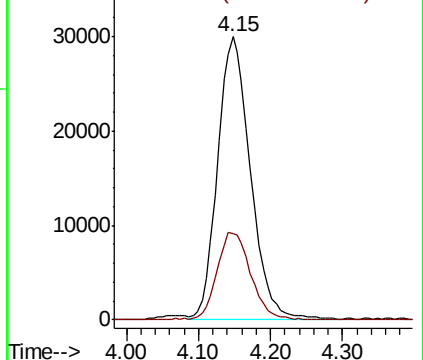
Ion Ratio Lower Upper

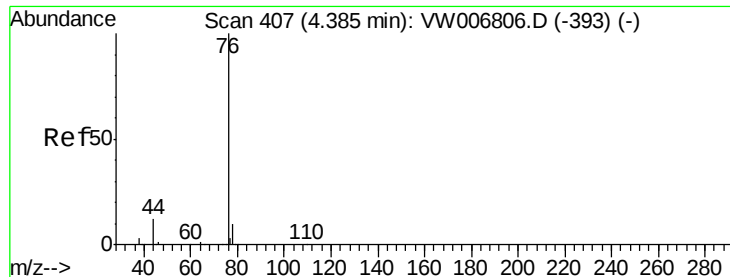
43 100

58 30.5 26.5 39.7



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





#17

Carbon Disulfide

Concen: 47.248 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

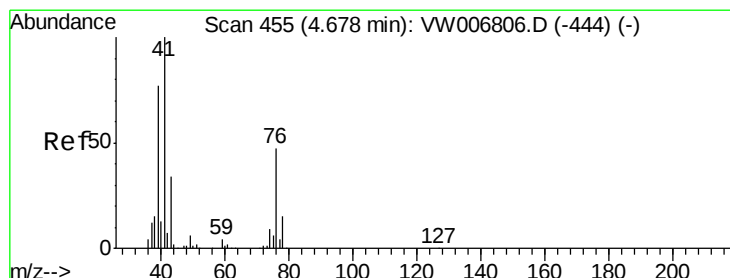
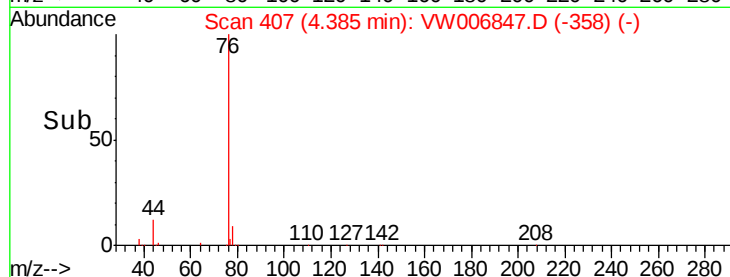
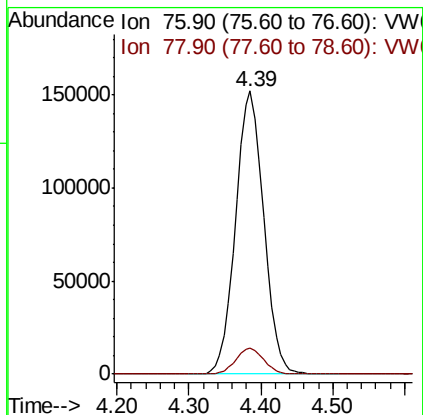
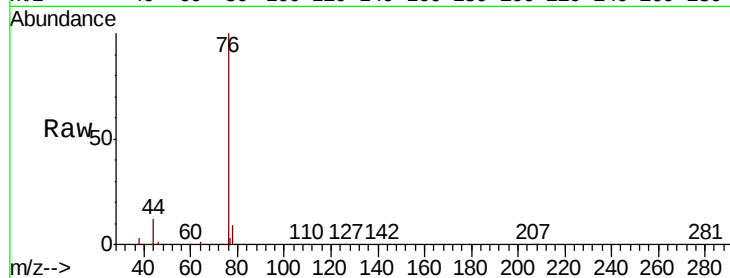
ClientSampled :

Tot Ion: 76 Resp: 412424

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



#18

Methyl Acetate

Concen: 46.750 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006847.D

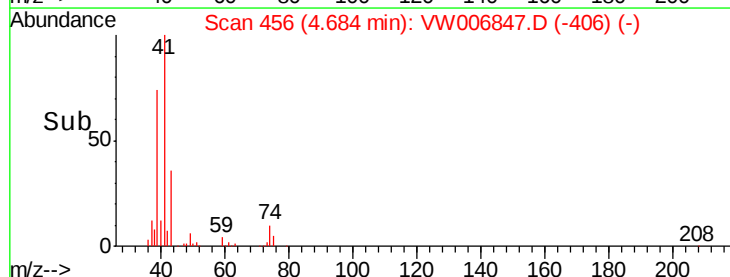
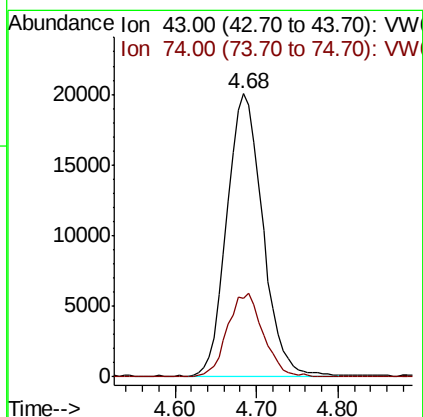
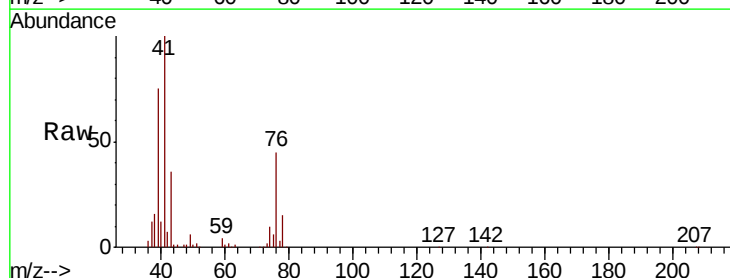
Acq: 13 Nov 2018 11:49

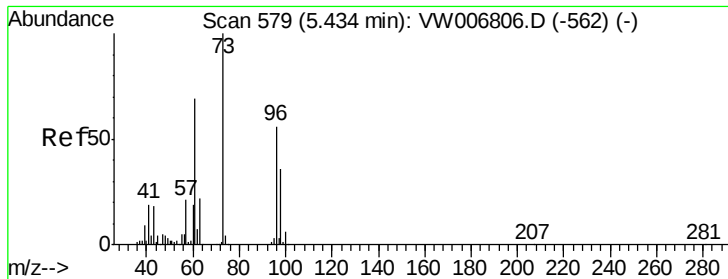
Tgt Ion: 43 Resp: 61350

Ion Ratio Lower Upper

43 100

74 29.3 21.9 32.9

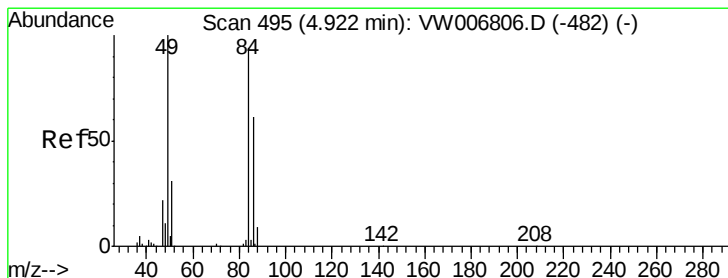
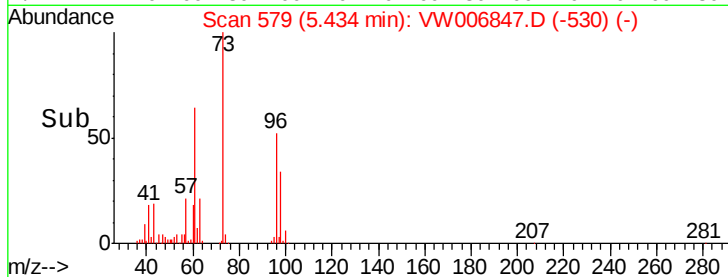
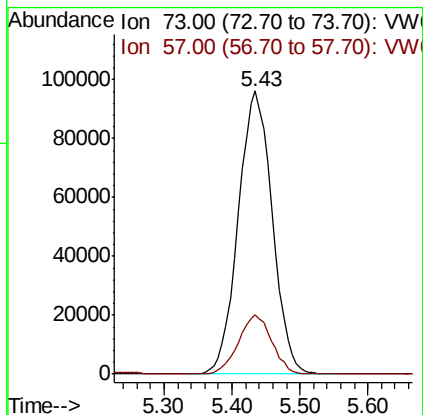
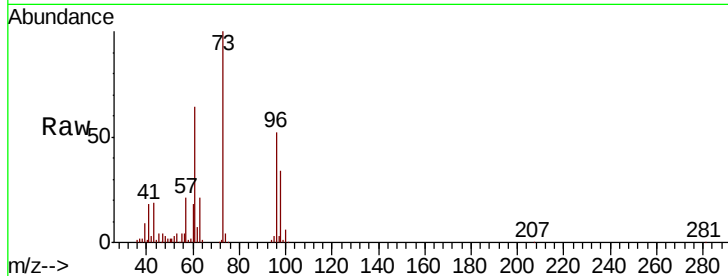




#19
Methyl tert-butyl Ether
Concen: 51.081 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

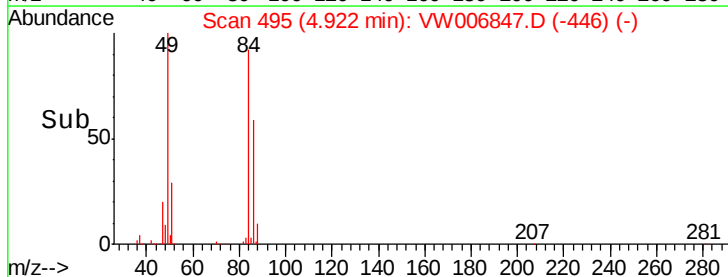
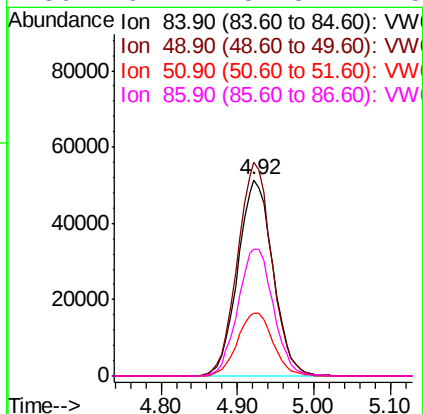
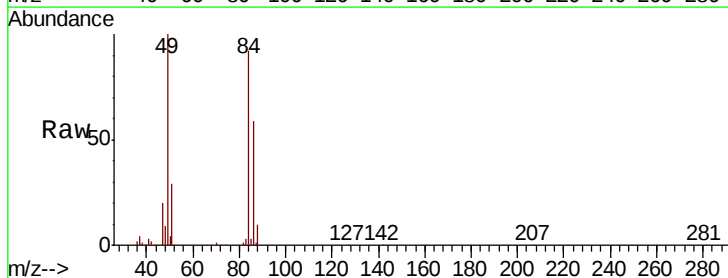
Instrument :
MSVOA_W
ClientSampled :

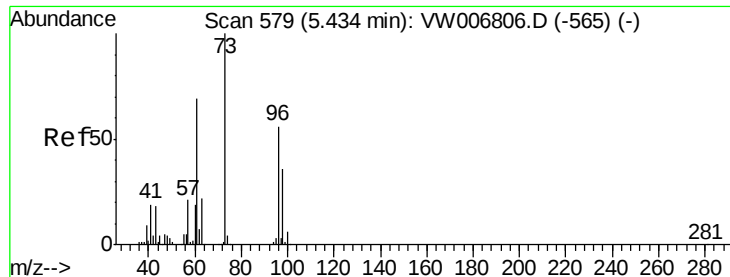
Tot Ion: 73 Resp: 334735
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#20
Methylene Chloride
Concen: 46.513 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 84 Resp: 163715
Ion Ratio Lower Upper
84 100
49 108.8 84.8 127.2
51 31.7 26.2 39.4
86 64.4 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 46.646 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

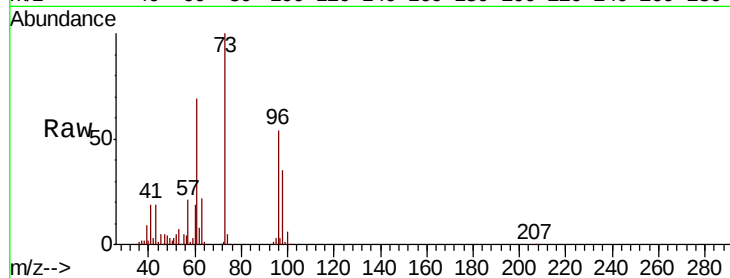
Tot Ion: 96 Resp: 151842

Ion Ratio Lower Upper

96 100

61 126.3 98.7 148.1

98 63.8 51.2 76.8

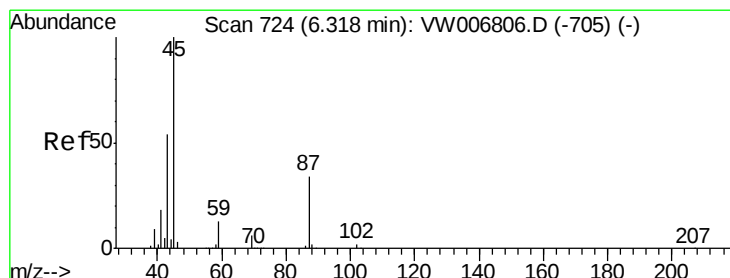
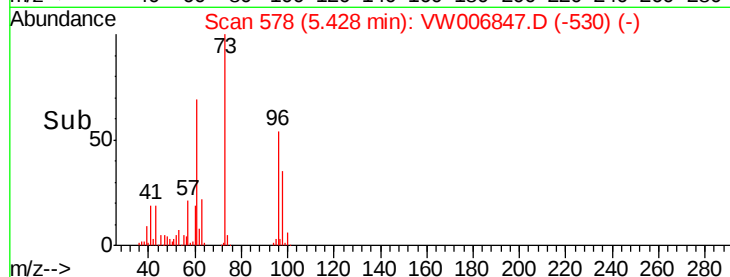
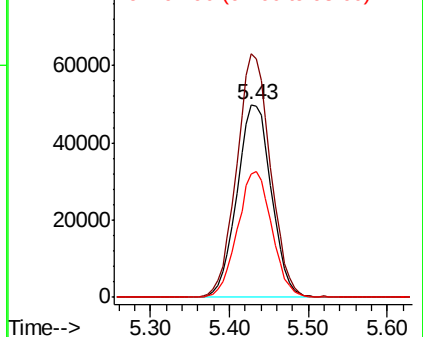


Abundance

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: 49.076 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Tgt Ion: 45 Resp: 370011

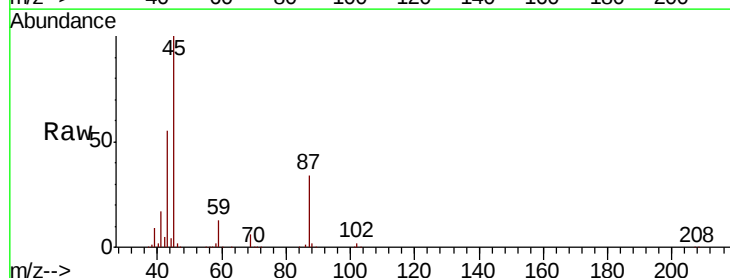
Ion Ratio Lower Upper

45 100

43 54.7 43.7 65.5

87 34.3 27.2 40.8

59 12.6 10.0 15.0



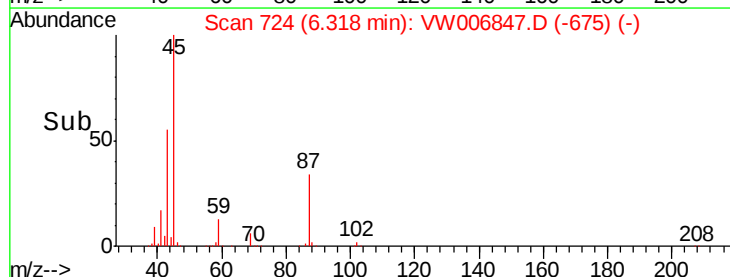
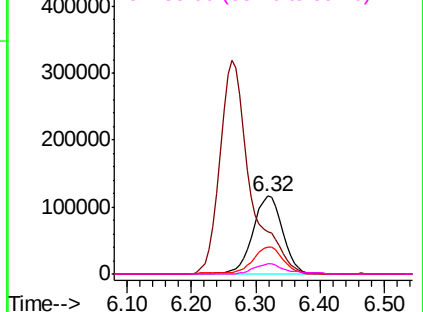
Abundance

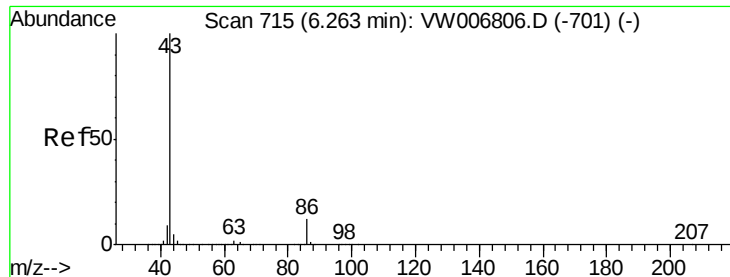
Ion 45.00 (44.70 to 45.70): VW

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: 249.379 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

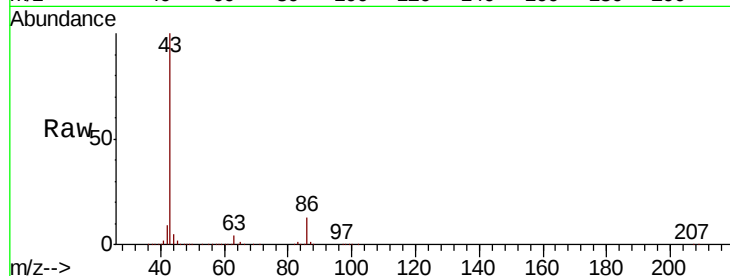
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1059951

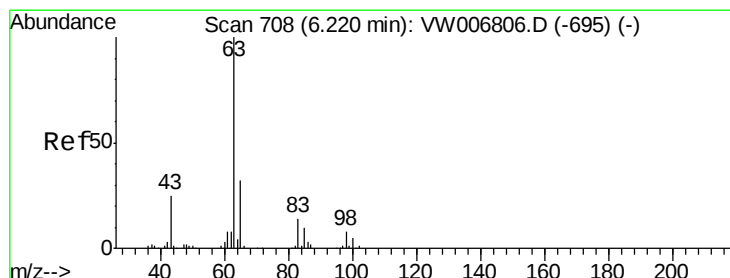
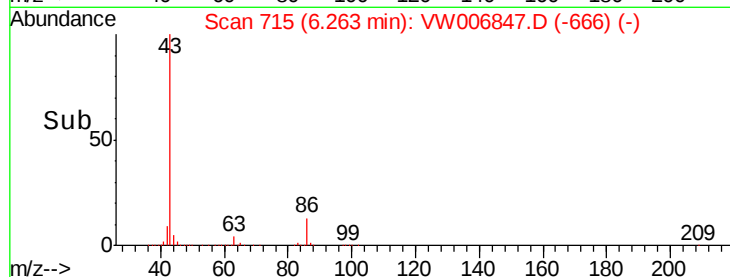
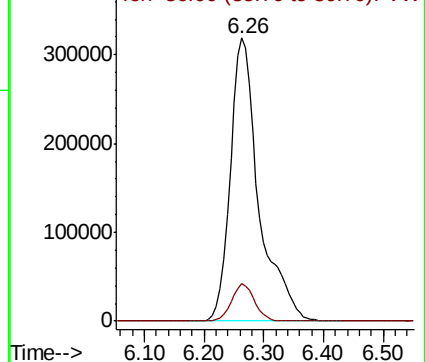
Ion Ratio Lower Upper

43 100

86 13.1 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.591 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

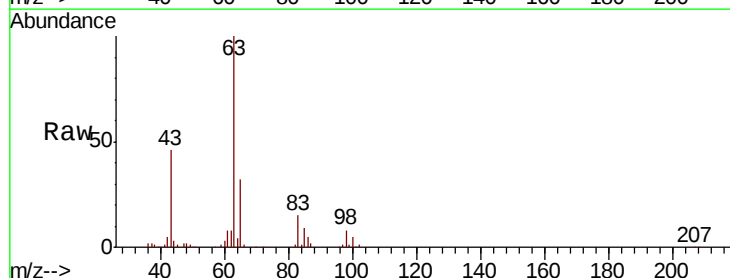
Tgt Ion: 63 Resp: 237969

Ion Ratio Lower Upper

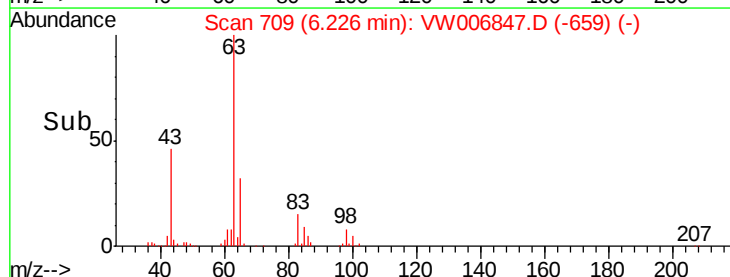
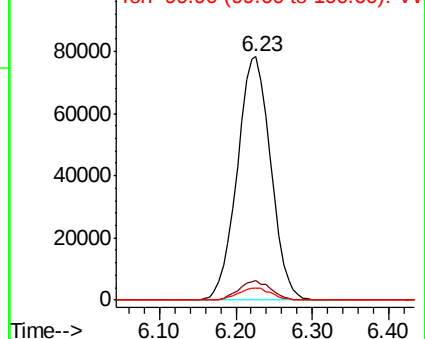
63 100

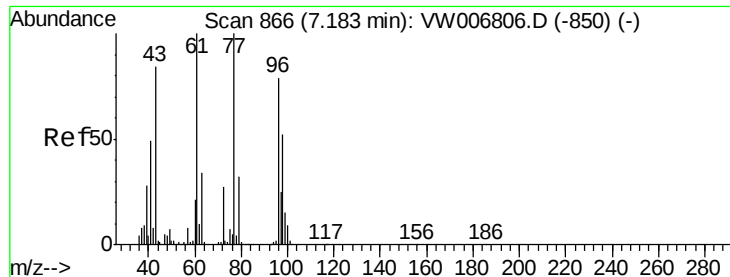
98 7.8 3.9 11.5

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 246.103 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

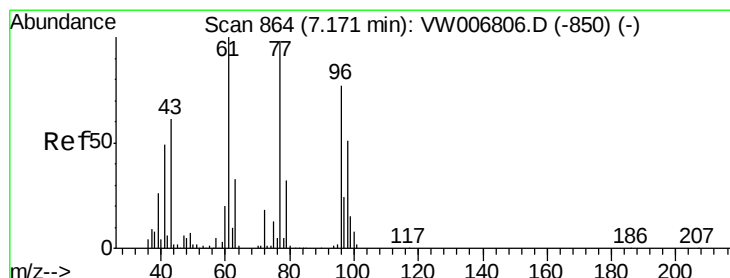
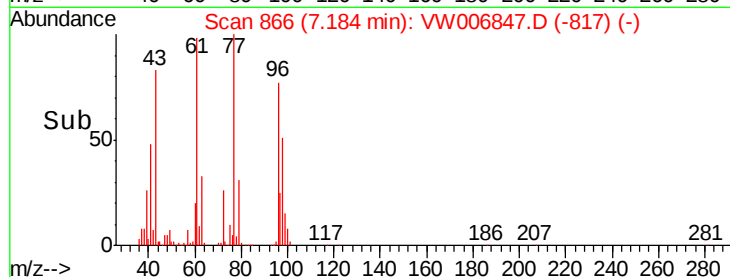
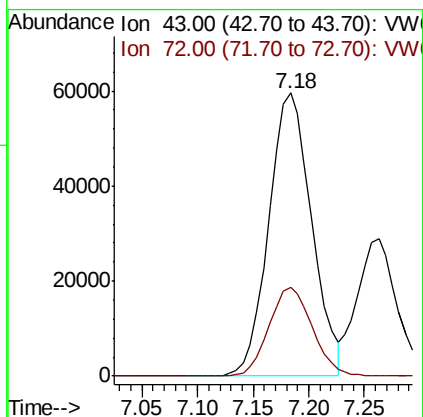
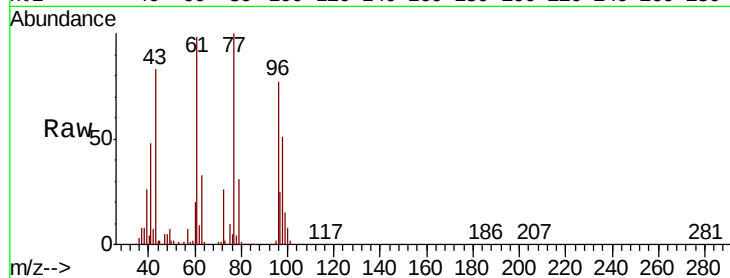
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 159671

Ion Ratio Lower Upper

43 100

72 31.5 25.3 37.9



#26

2,2-Dichloropropane

Concen: 46.244 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006847.D

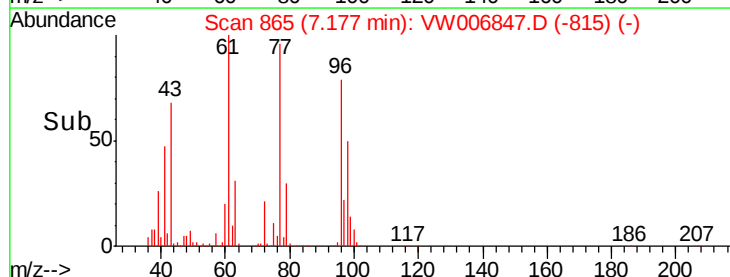
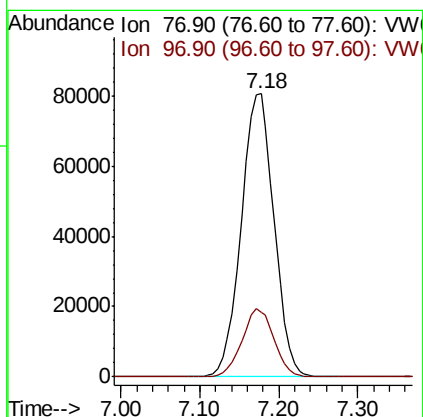
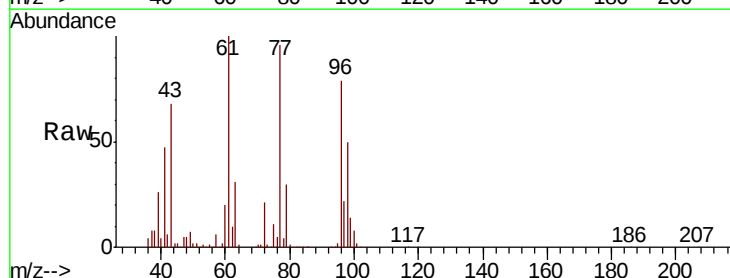
Acq: 13 Nov 2018 11:49

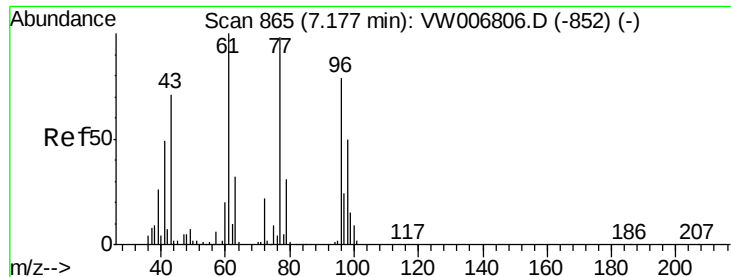
Tgt Ion: 77 Resp: 232659

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.1



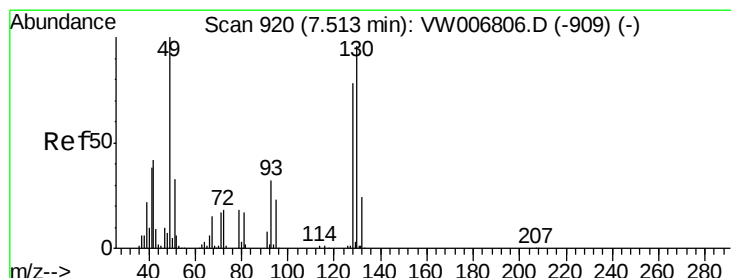
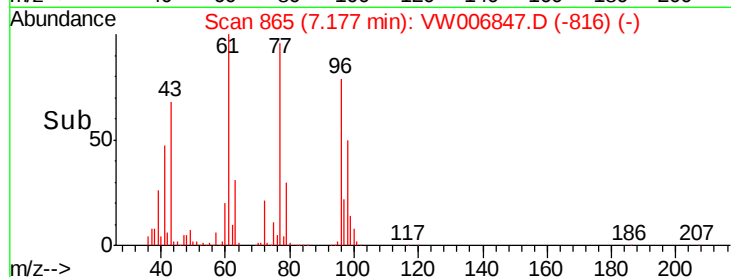
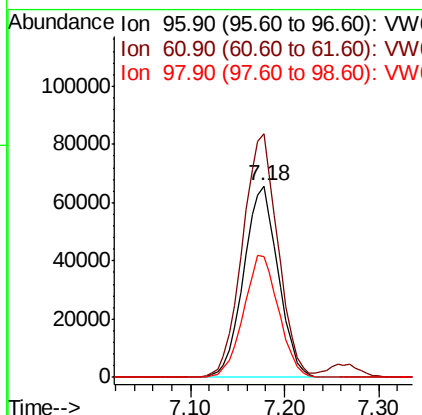
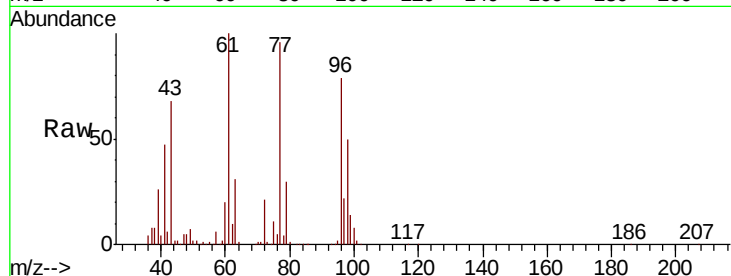


#27

cis-1,2-Dichloroethene
Concen: 48.631 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampled :

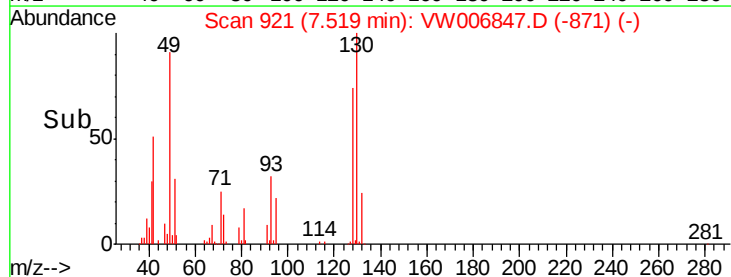
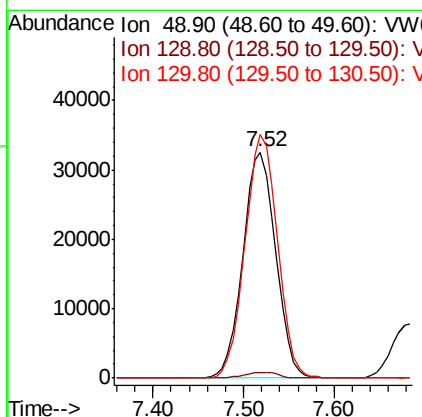
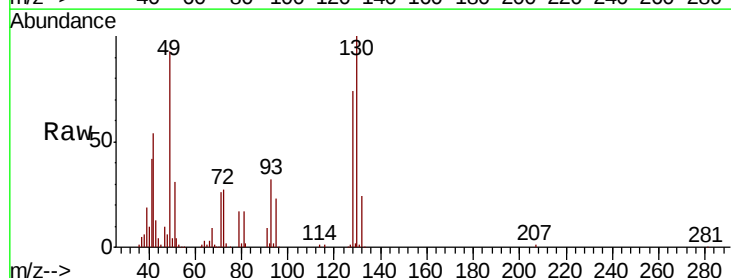
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	0.0	264.0
98	64.6	0.0	131.0

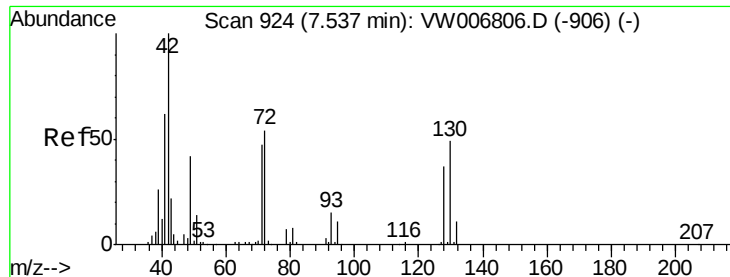


#28

Bromochloromethane
Concen: 46.635 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	106.7	83.3	124.9

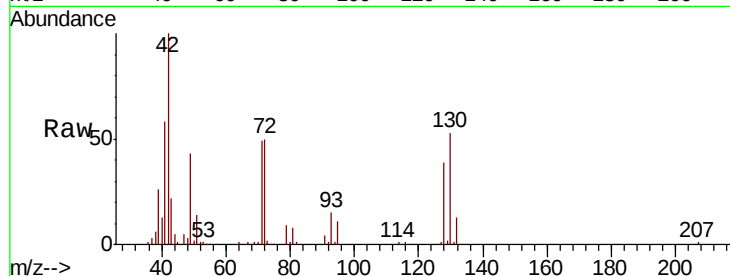




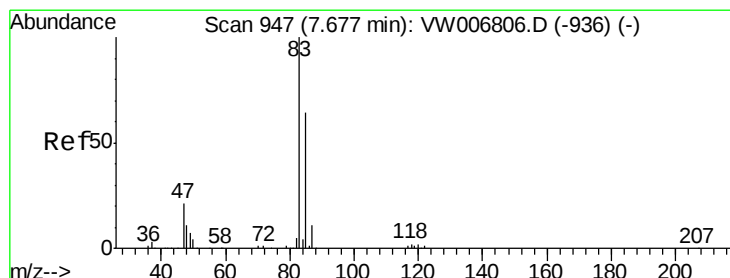
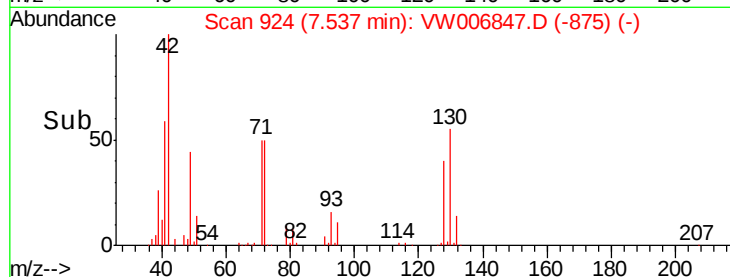
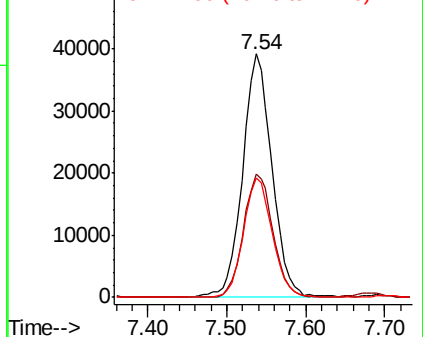
#29
Tetrahydrofuran
Concen: 243.912 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 101273
Ion Ratio Lower Upper
42 100
72 50.9 40.9 61.3
71 48.4 36.9 55.3

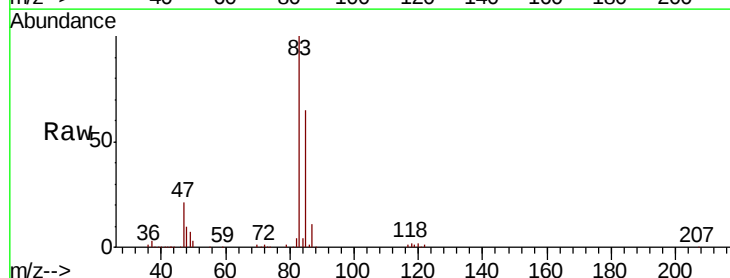


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

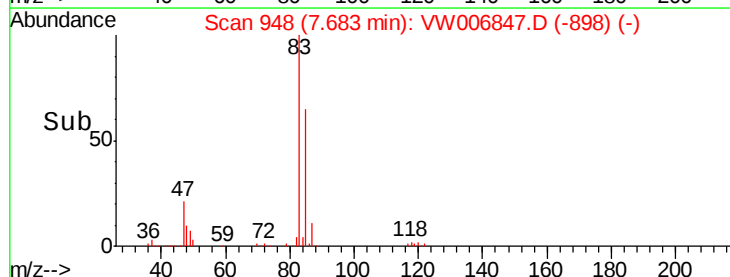
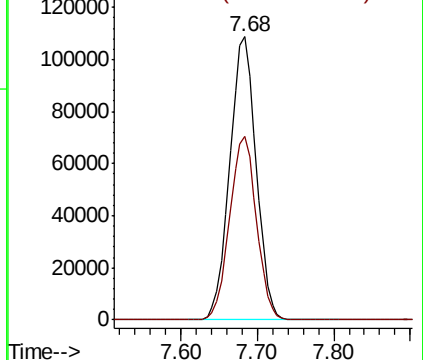


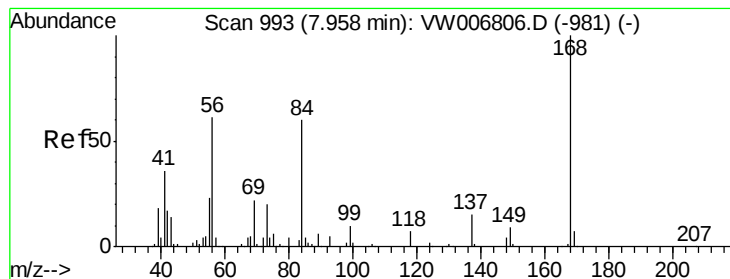
#30
Chloroform
Concen: 47.542 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 83 Resp: 259562
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



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





#31

Cyclohexane

Concen: 45.294 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

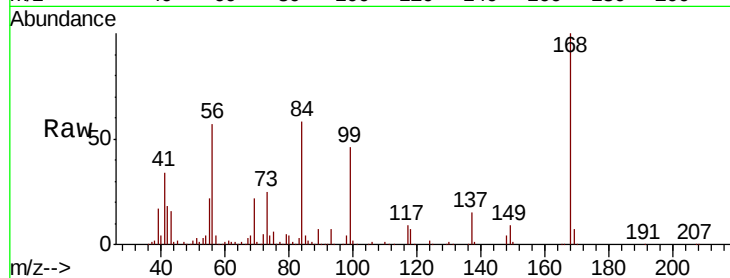
Tot Ion: 56 Resp: 231833

Ion Ratio Lower Upper

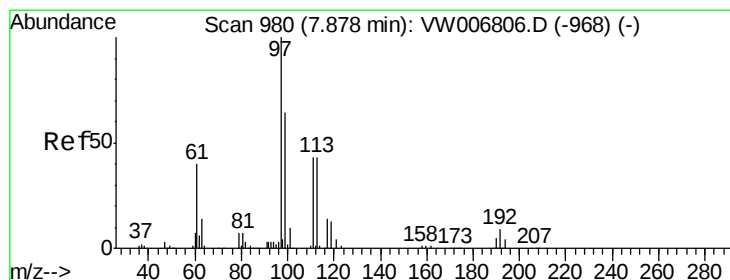
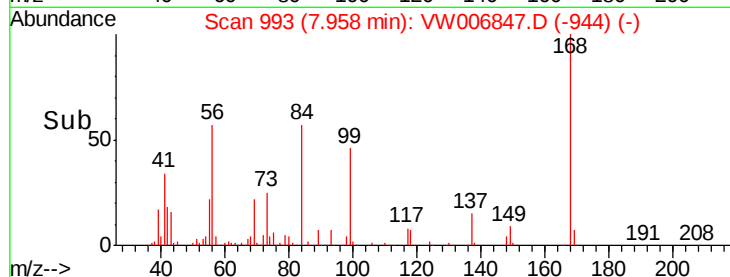
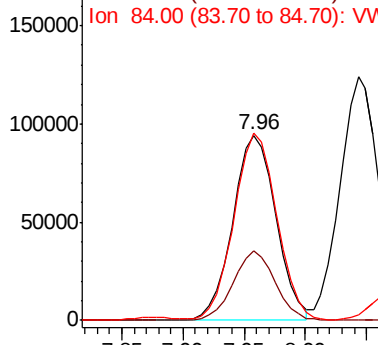
56 100

69 37.6 28.9 43.3

84 99.6 79.0 118.4



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



#32

1,1,1-Trichloroethane

Concen: 47.509 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

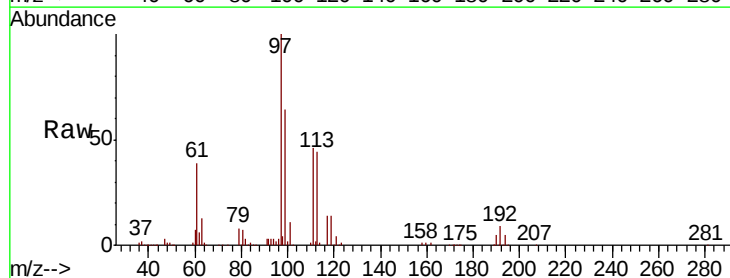
Tgt Ion: 97 Resp: 250372

Ion Ratio Lower Upper

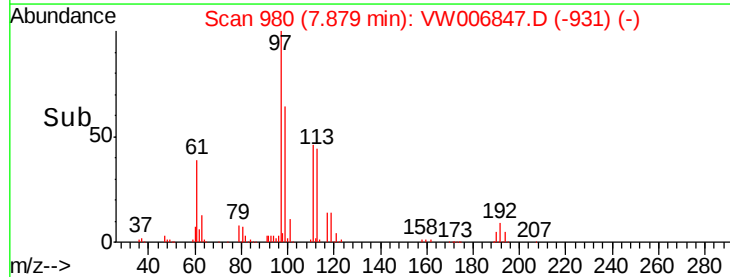
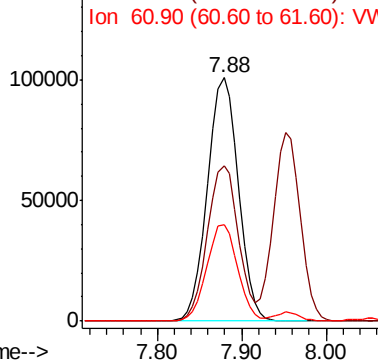
97 100

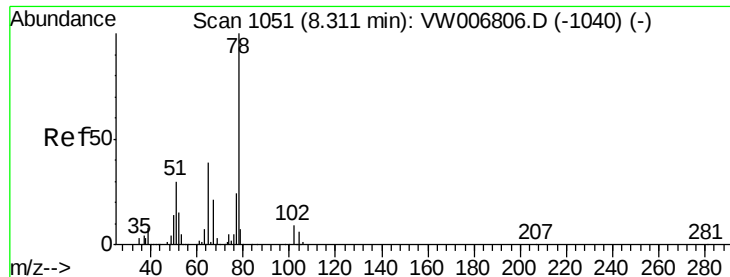
99 64.1 51.6 77.4

61 39.6 32.2 48.4



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





#33

1,2-Dichloroethane-d4

Concen: 45.553 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

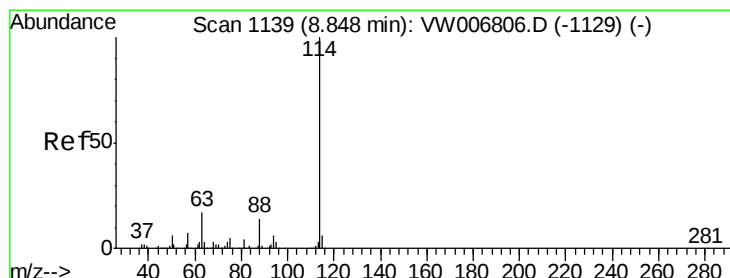
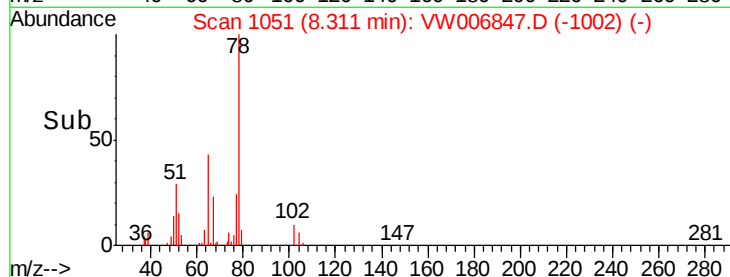
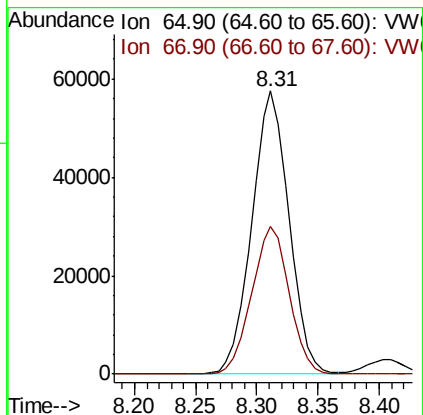
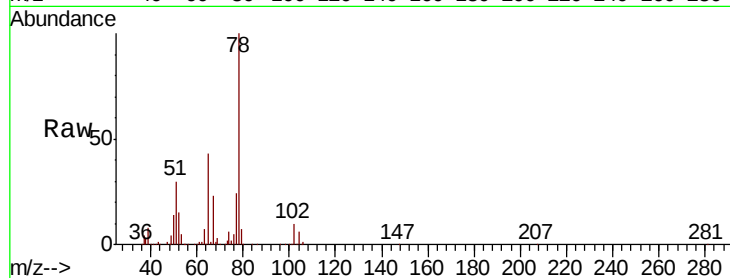
ClientSampleId :

Tot Ion: 65 Resp: 121686

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

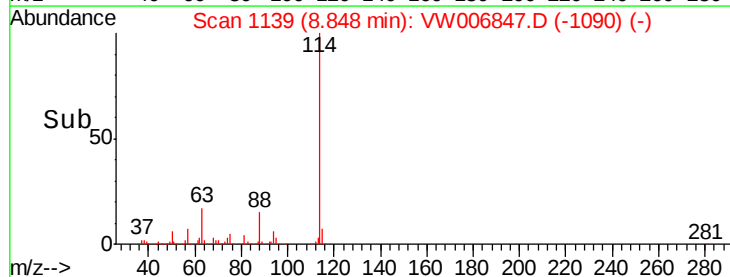
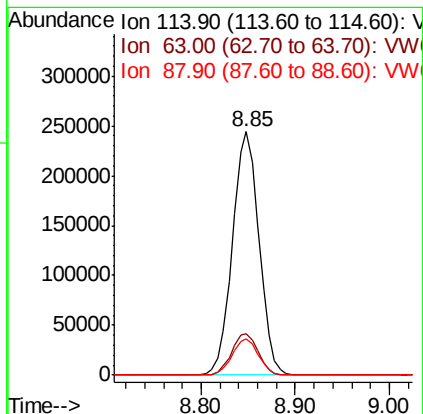
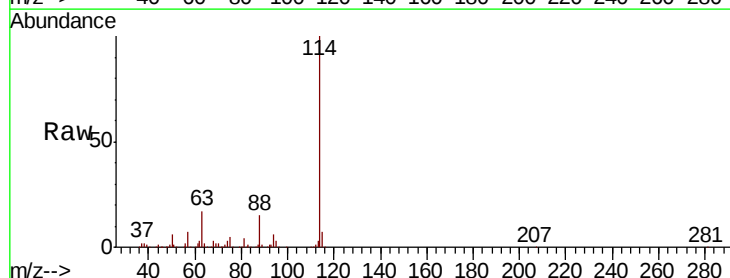
Tgt Ion: 114 Resp: 478504

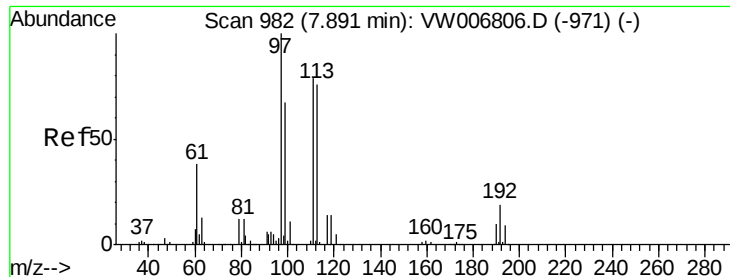
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 14.9 0.0 28.4

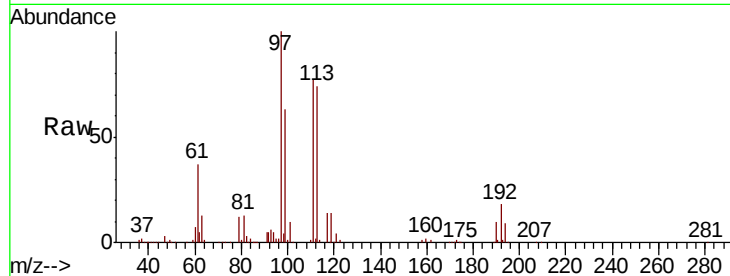




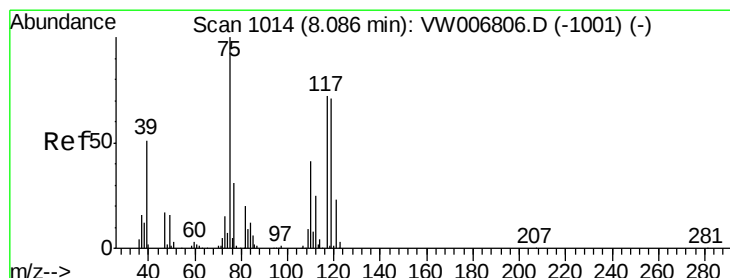
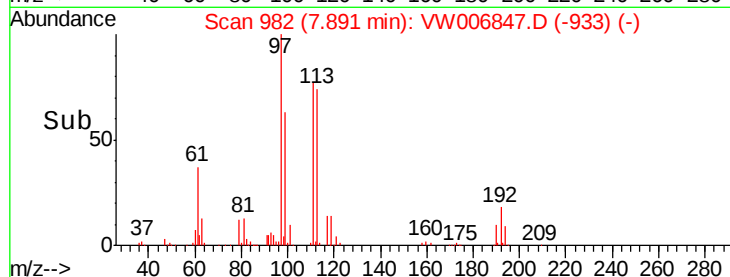
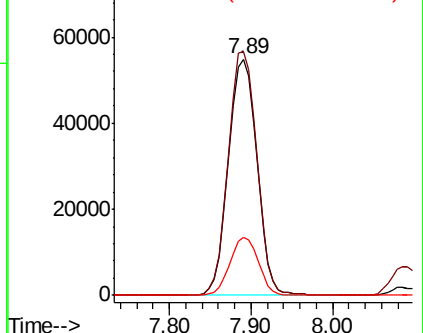
#35
 Dibromofluoromethane
 Concen: 46.619 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 132833
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.0 121.6
 192 24.3 19.0 28.6

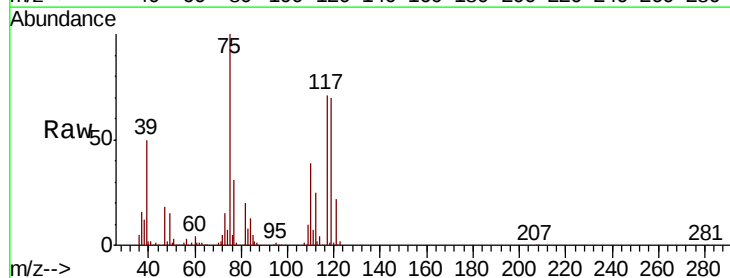


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

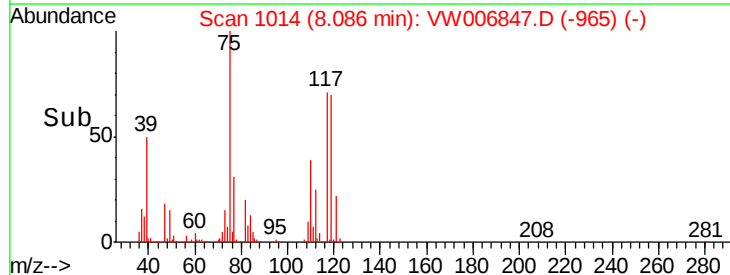
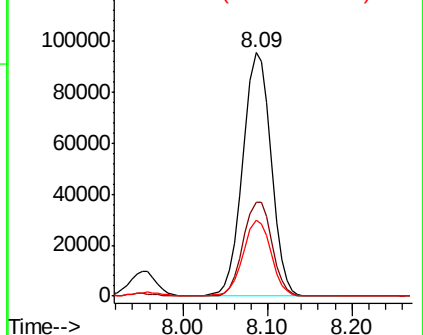


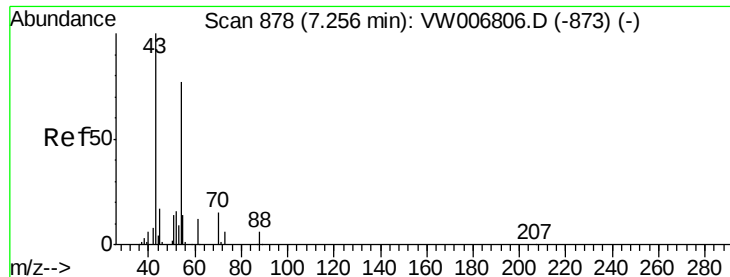
#36
 1,1-Dichloropropene
 Concen: 48.632 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Tgt Ion: 75 Resp: 217768
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.9 59.6
 77 30.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

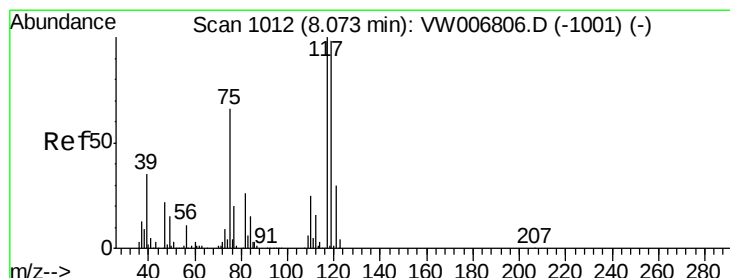
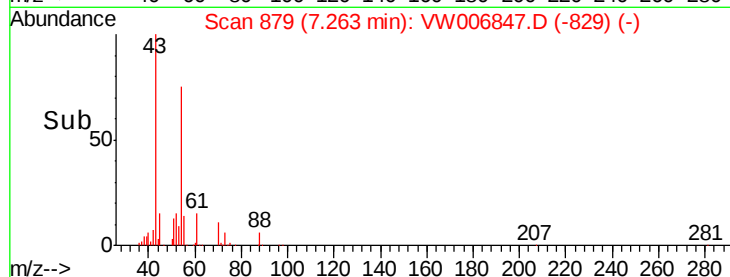
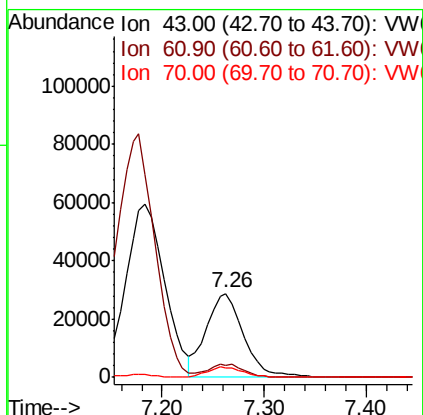
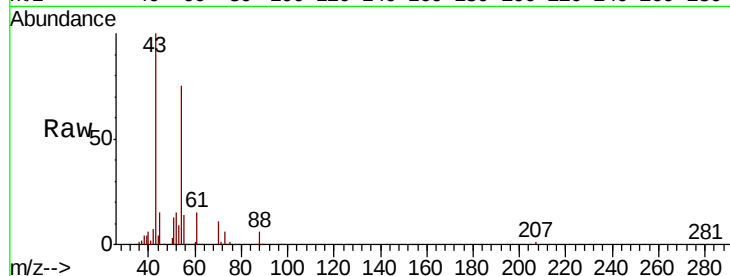




#37
Ethyl Acetate
Concen: 49.889 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

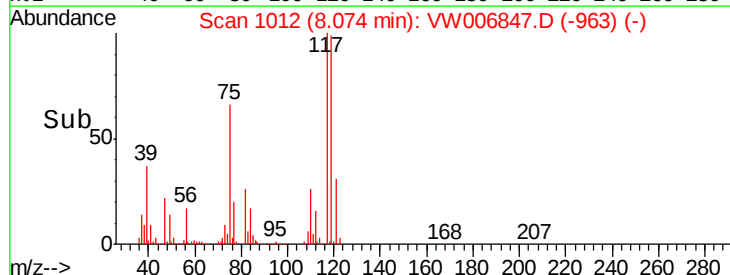
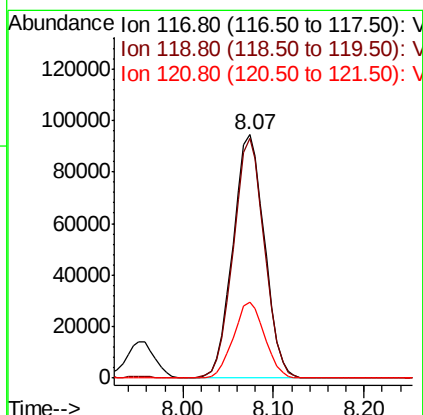
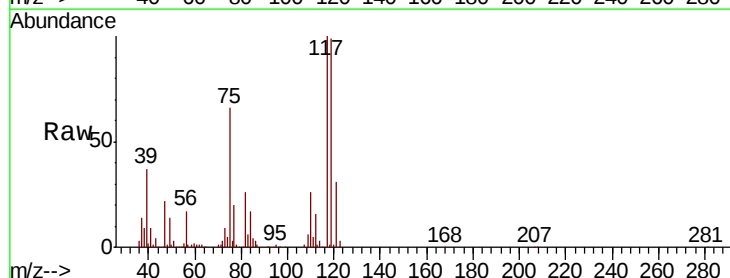
Instrument :
MSVOA_W
ClientSampled :

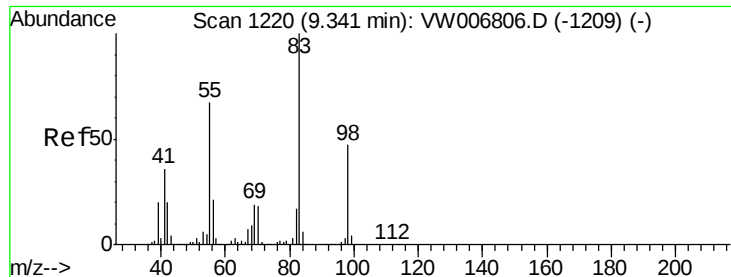
Tot Ion: 43 Resp: 73050
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 12.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 46.872 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 117 Resp: 228118
Ion Ratio Lower Upper
117 100
119 98.5 78.5 117.7
121 31.4 24.2 36.2

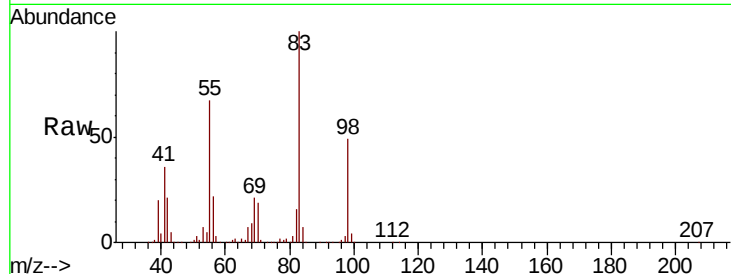




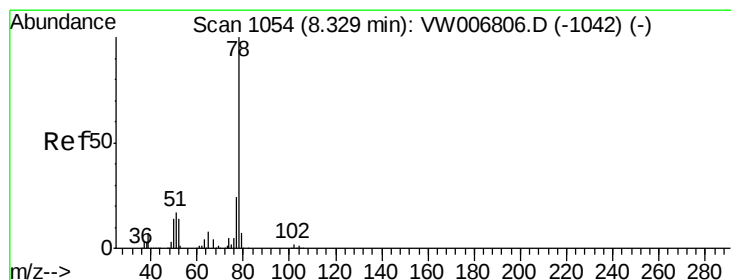
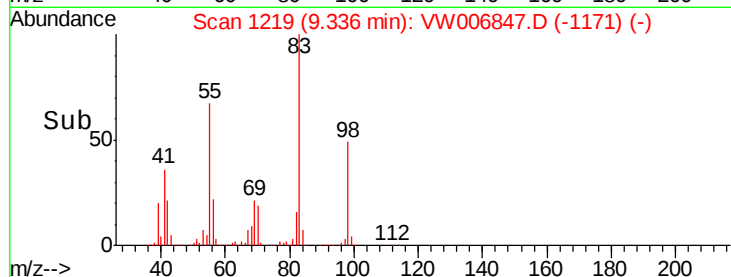
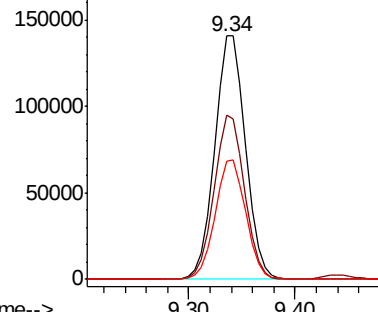
#39
Methvlcvclohexane
Concen: 49.186 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 285748
Ion Ratio Lower Upper
83 100
55 67.2 53.3 79.9
98 48.7 37.9 56.9

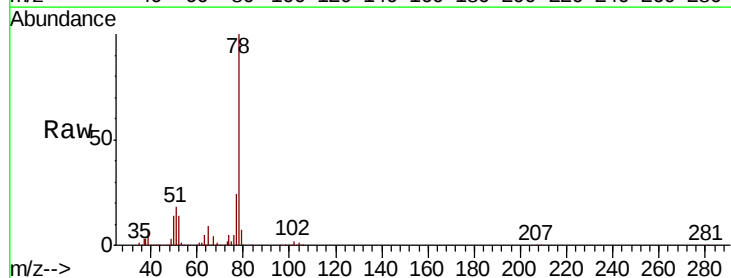


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

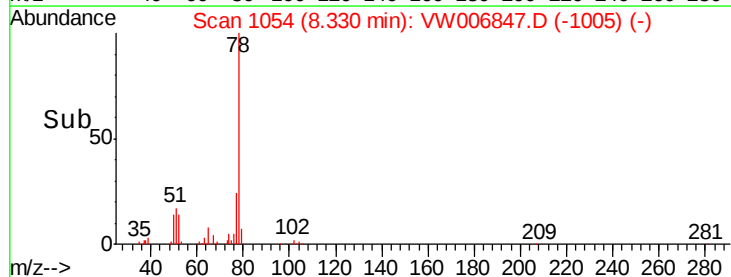
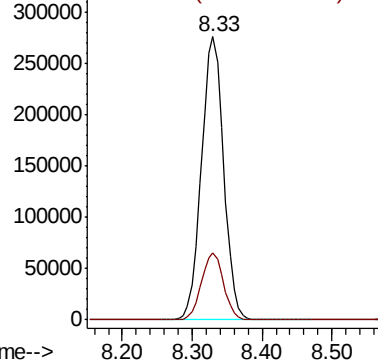


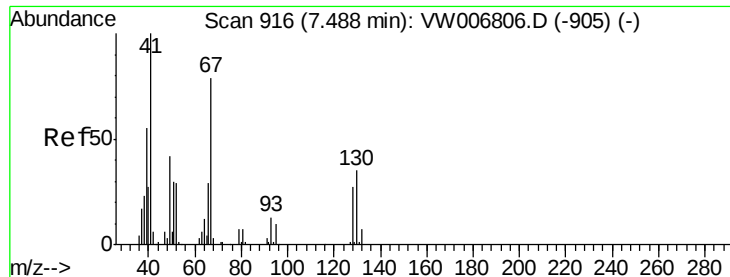
#40
Benzene
Concen: 48.681 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 78 Resp: 606152
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



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

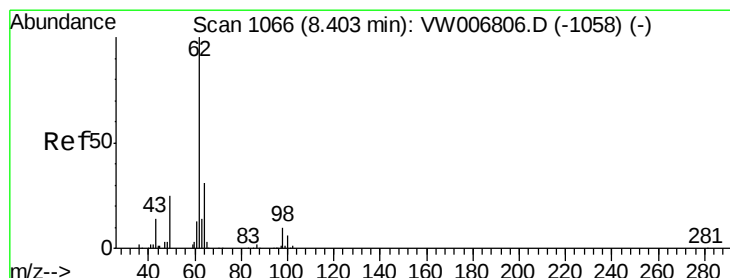
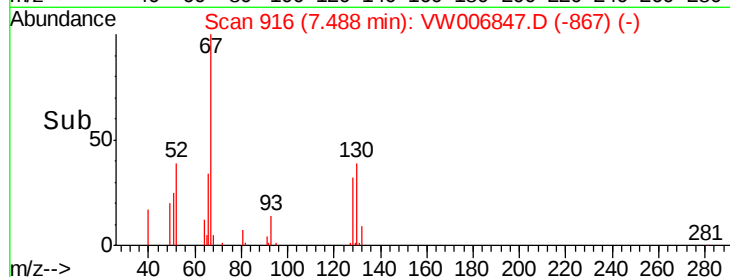
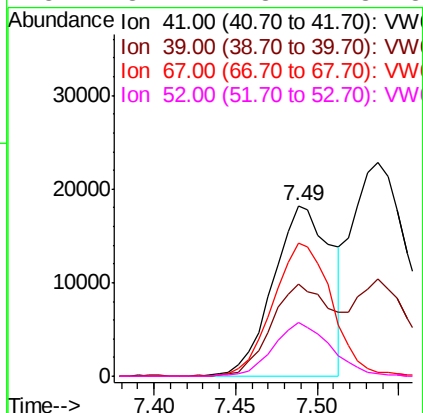
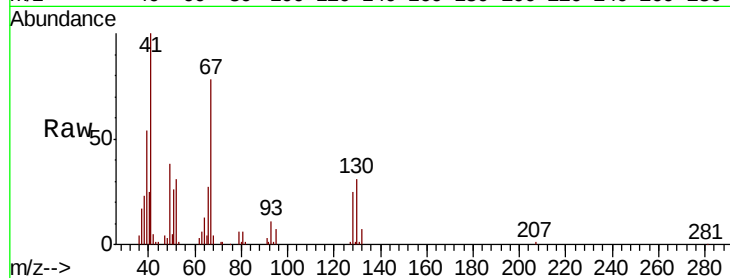




#41
Methacrylonitrile
Concen: 50.445 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

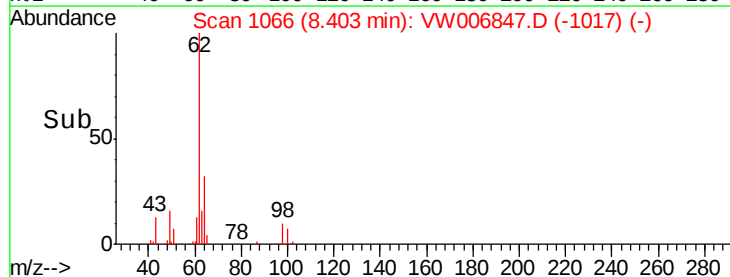
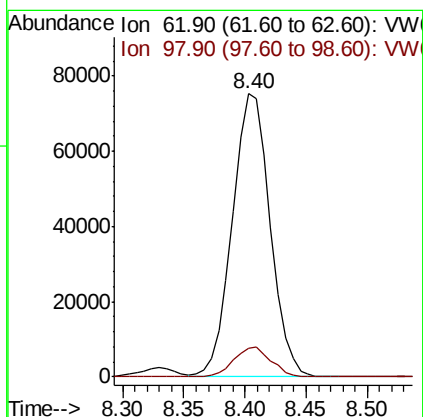
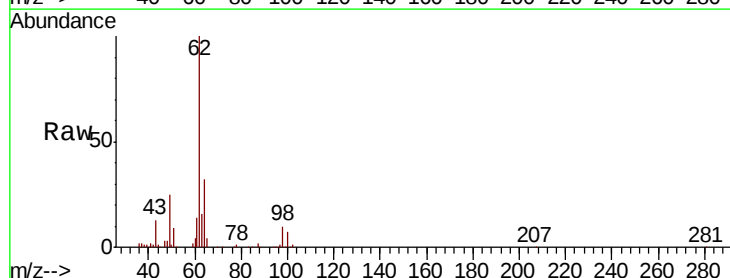
Instrument :
MSVOA_W
ClientSampleId :

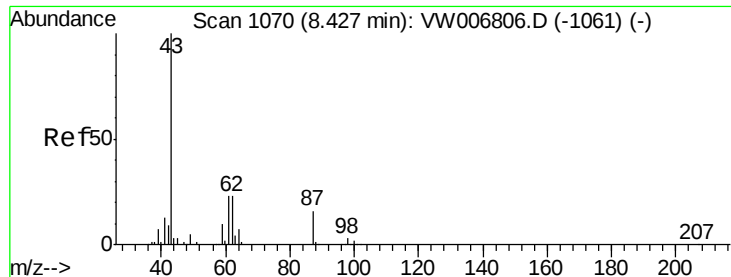
Tot Ion:	41	Resp:	45353
Ion	Ratio	Lower	Upper
41	100		
39	60.1	48.1	72.1
67	78.6	61.4	92.2
52	31.1	23.2	34.8



#42
1,2-Dichloroethane
Concen: 48.334 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion:	62	Resp:	161241
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 50.999 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

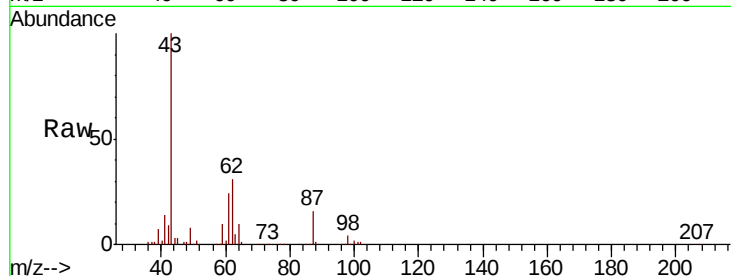
Tot Ion: 43 Resp: 145231

Ion Ratio Lower Upper

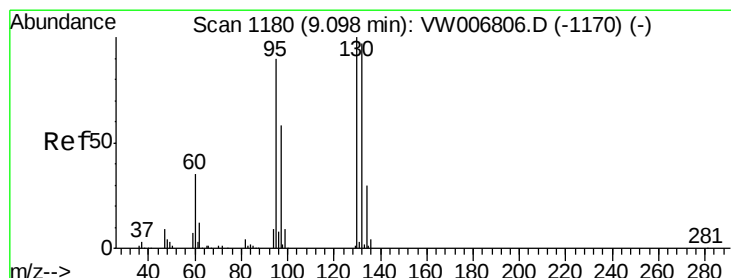
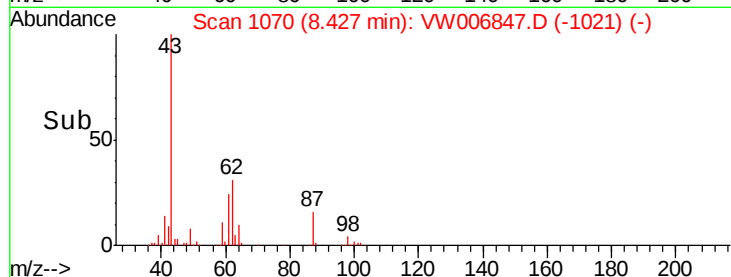
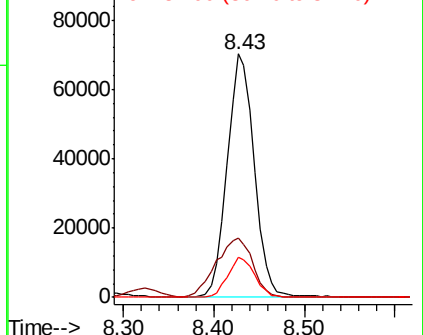
43 100

61 33.3 27.0 40.4

87 16.3 13.0 19.4



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: 48.970 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006847.D

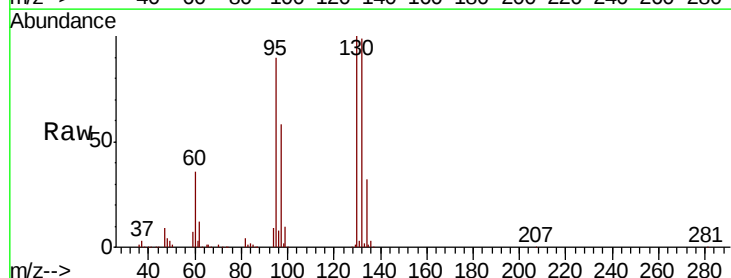
Acq: 13 Nov 2018 11:49

Tgt Ion:130 Resp: 192395

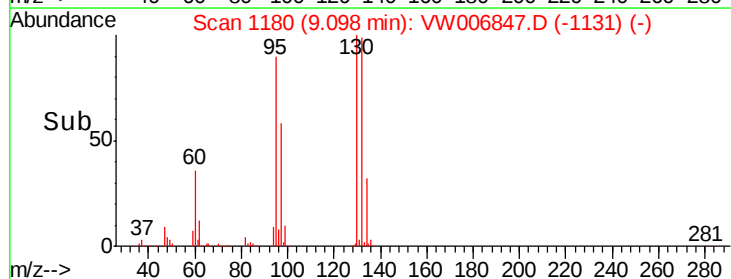
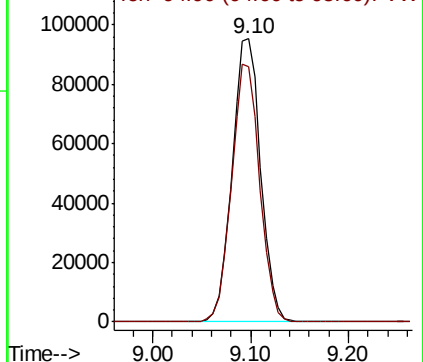
Ion Ratio Lower Upper

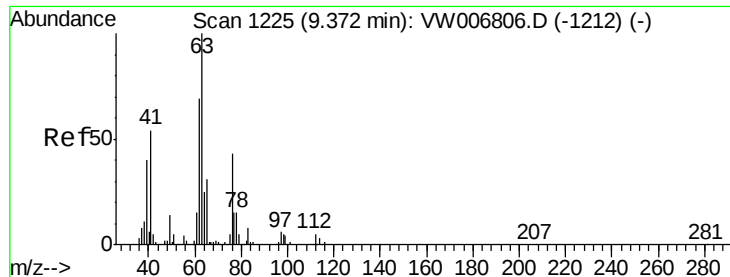
130 100

95 90.2 0.0 180.2



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

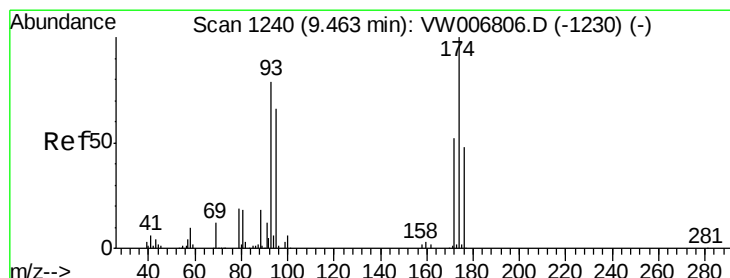
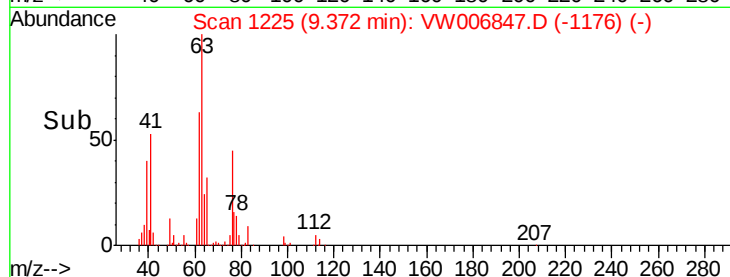
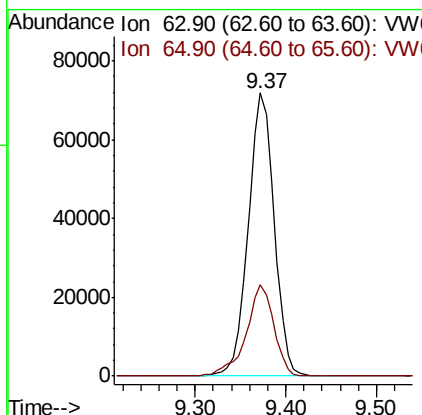
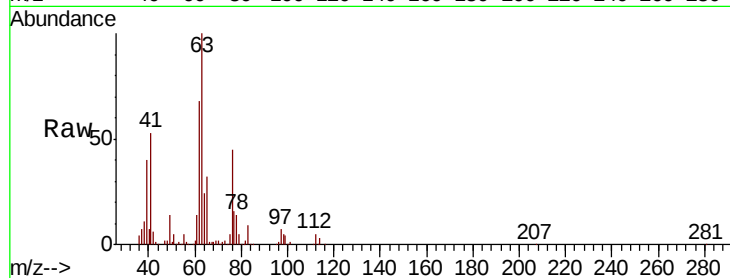




#45
 1,2-Dichloropropane
 Concen: 49.016 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

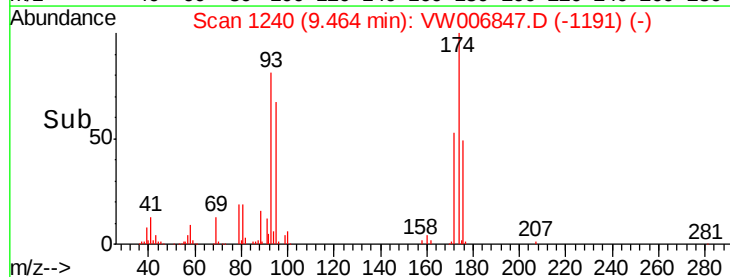
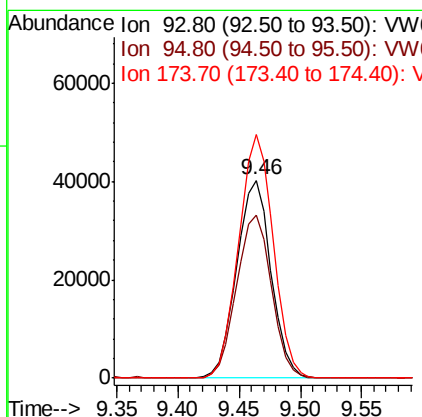
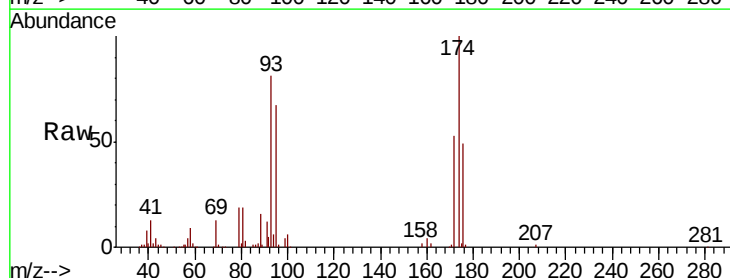
Instrument :
 MSVOA_W
 ClientSampled :

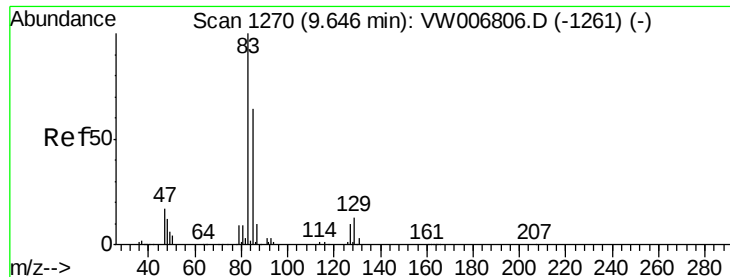
Tot Ion: 63 Resp: 142246
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.4 36.6



#46
 Dibromomethane
 Concen: 48.518 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Tgt Ion: 93 Resp: 78375
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.6
 174 124.4 98.6 147.8

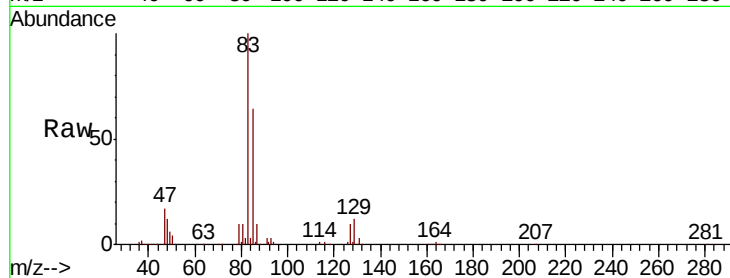




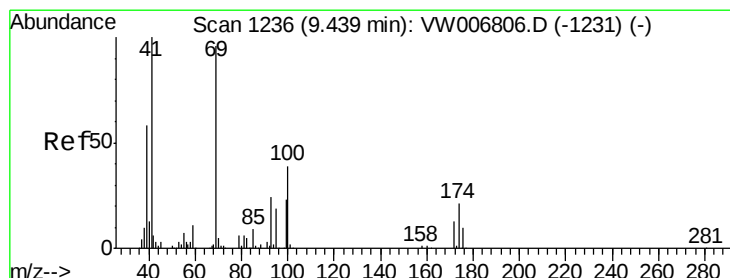
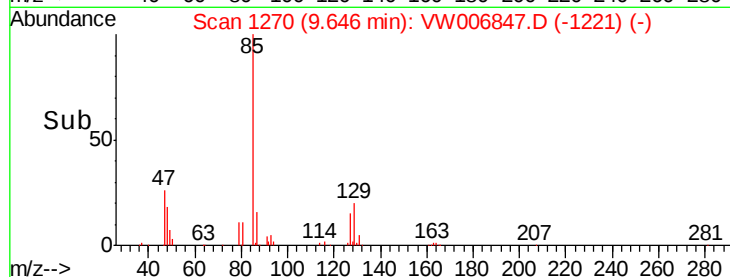
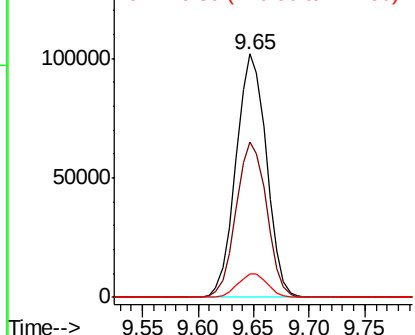
#47
Bromodichloromethane
Concen: 48.276 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 193432
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.0
127 9.8 7.6 11.4

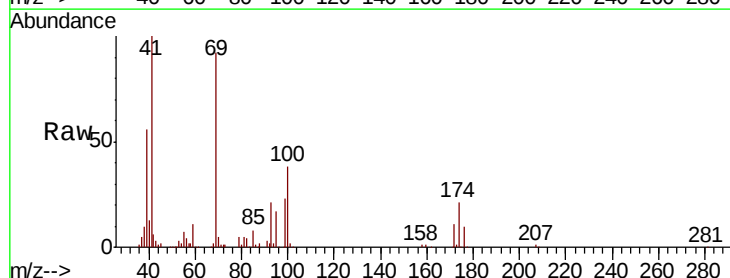


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

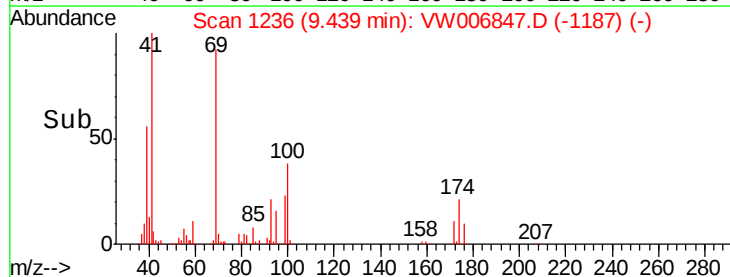
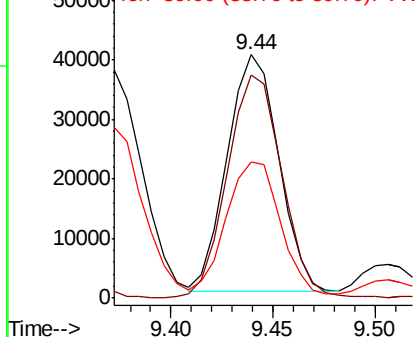


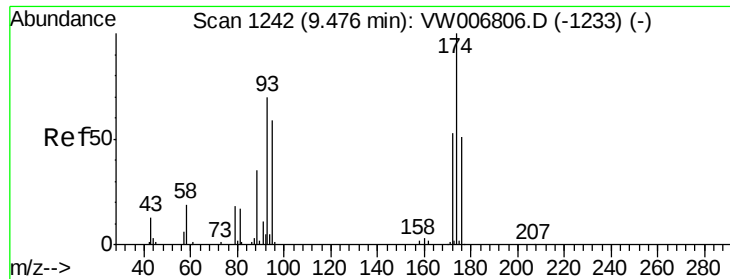
#48
Methyl methacrylate
Concen: 49.861 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 41 Resp: 69614
Ion Ratio Lower Upper
41 100
69 100.0 79.8 119.6
39 57.9 45.9 68.9



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

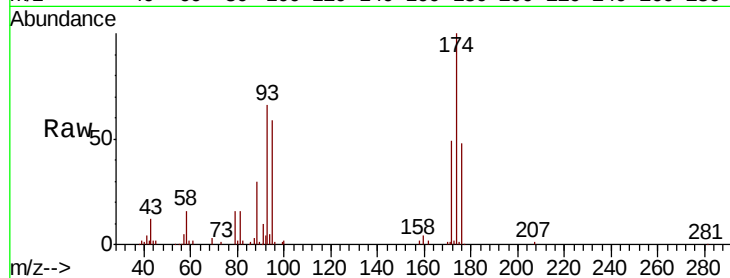




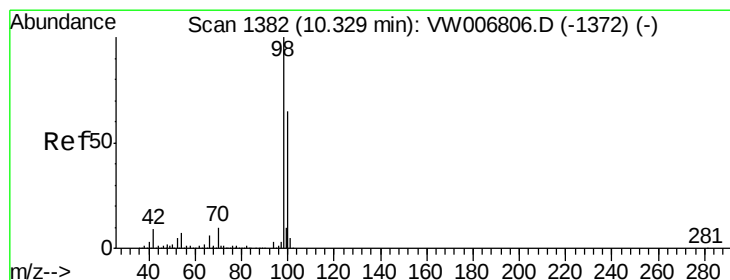
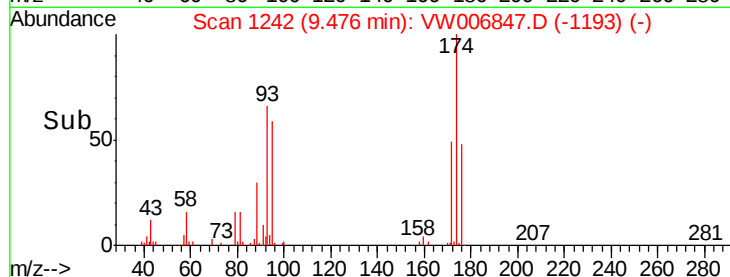
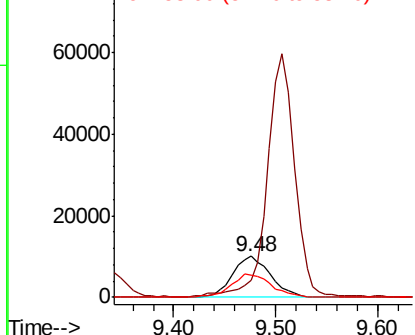
#49
1,4-Dioxane
Concen: 1061.393 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 25904
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 60.8 50.6 75.8

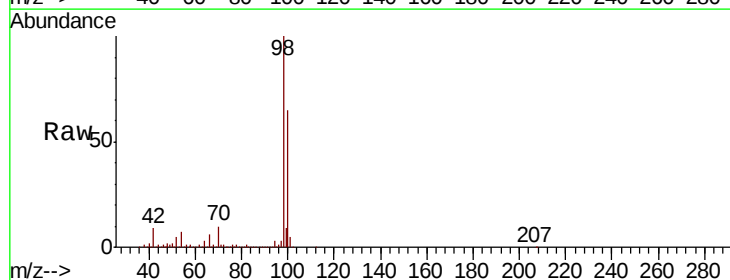


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

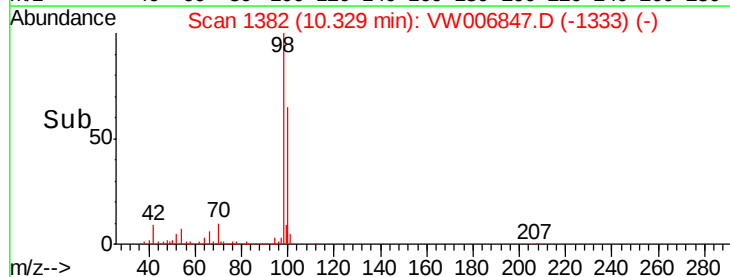
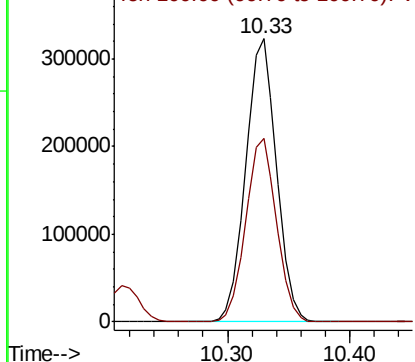


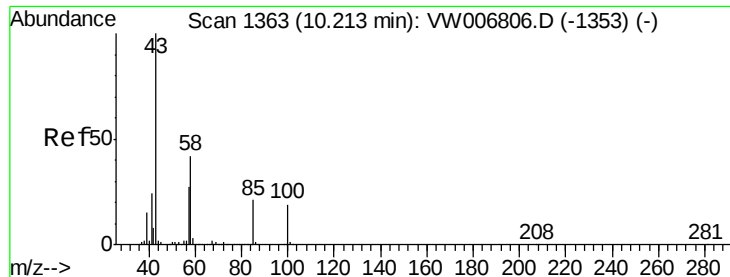
#50
Toluene-d8
Concen: 47.748 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 98 Resp: 563911
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 254.158 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

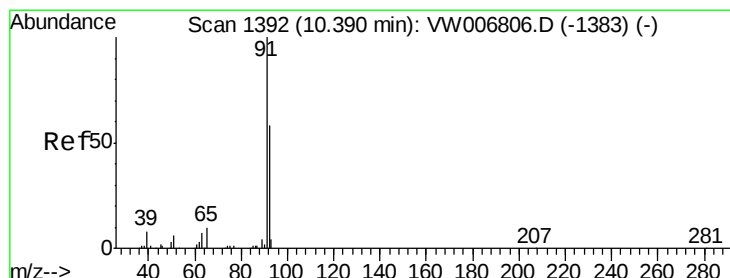
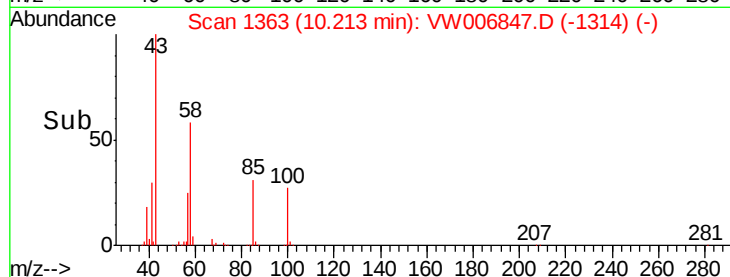
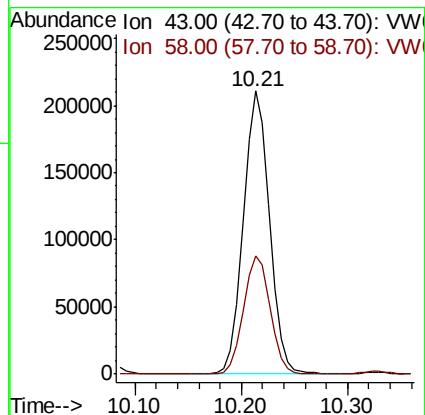
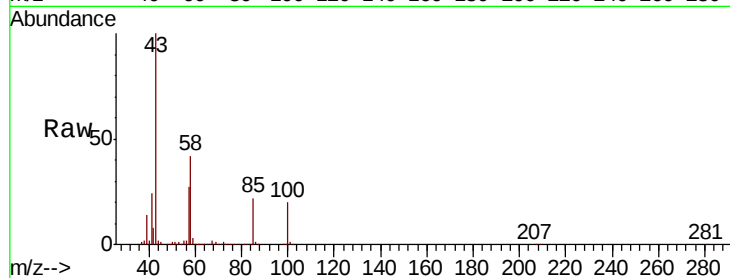
ClientSampleId :

Tot Ion: 43 Resp: 362917

Ion Ratio Lower Upper

43 100

58 42.8 34.0 51.0



#52

Toluene

Concen: 49.904 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006847.D

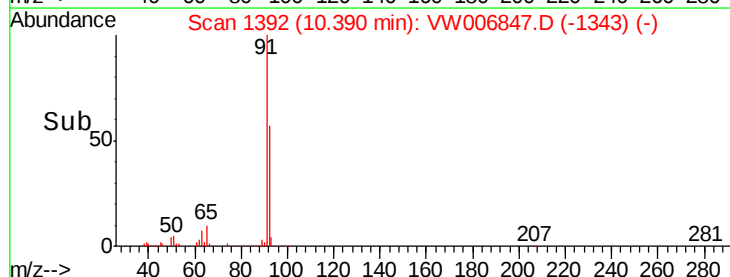
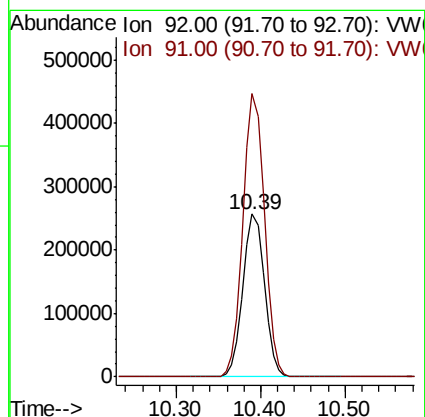
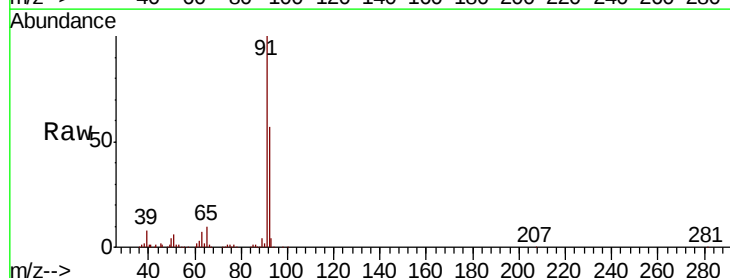
Acq: 13 Nov 2018 11:49

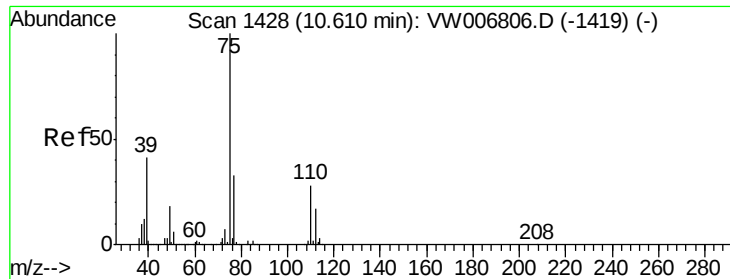
Tgt Ion: 92 Resp: 440520

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 50.276 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

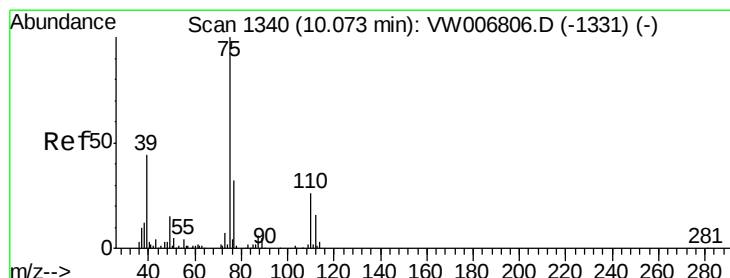
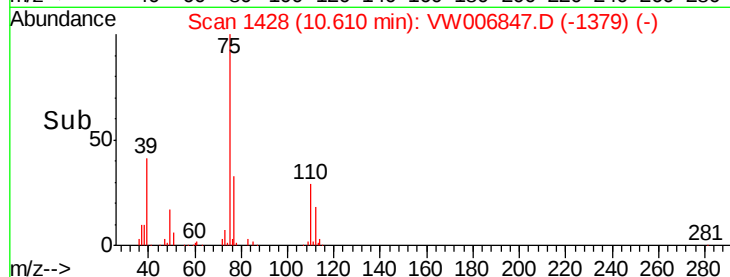
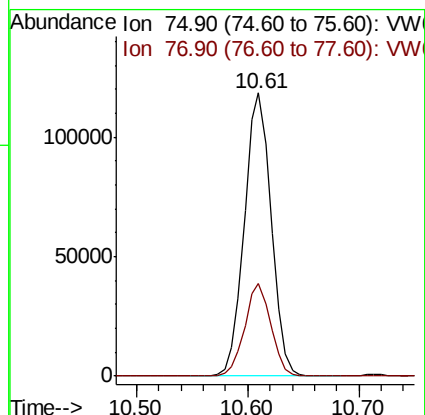
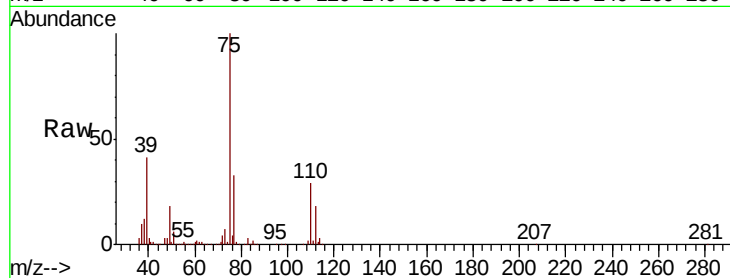
ClientSampleId :

Tot Ion: 75 Resp: 198314

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 50.070 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

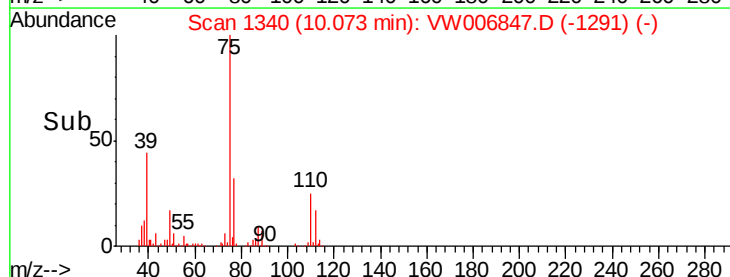
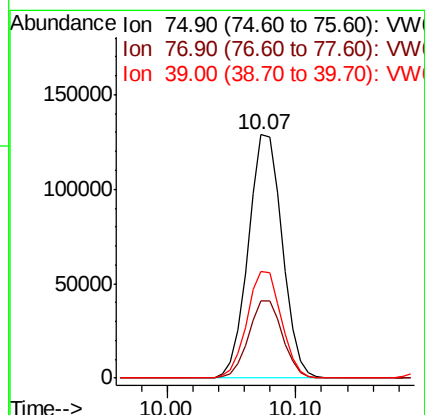
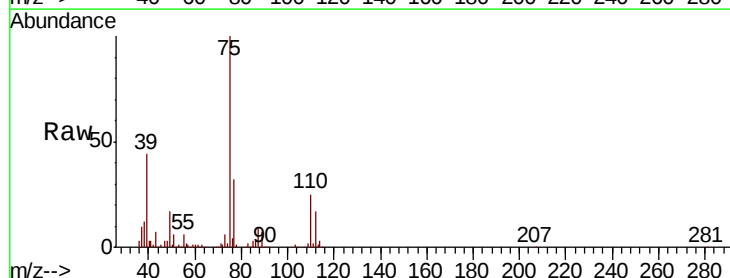
Tgt Ion: 75 Resp: 234195

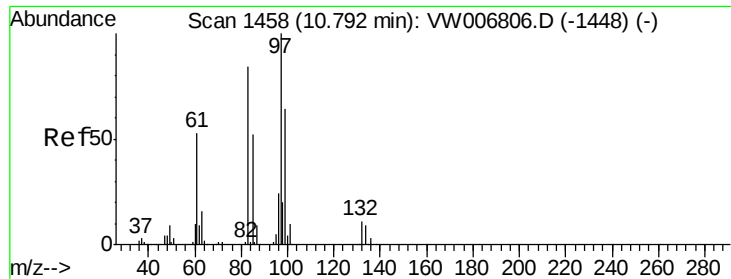
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 43.9 35.3 52.9

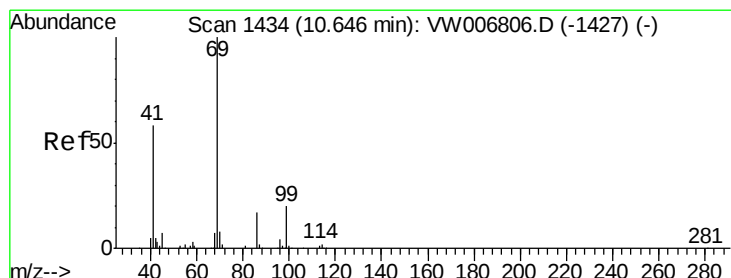
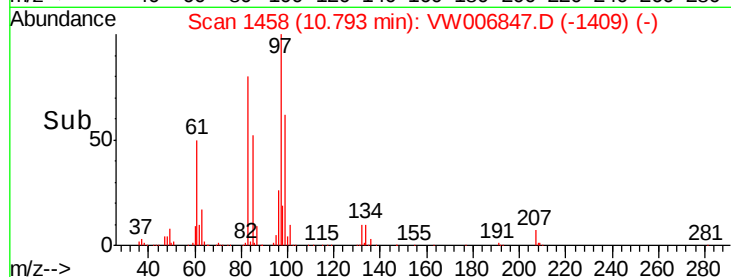
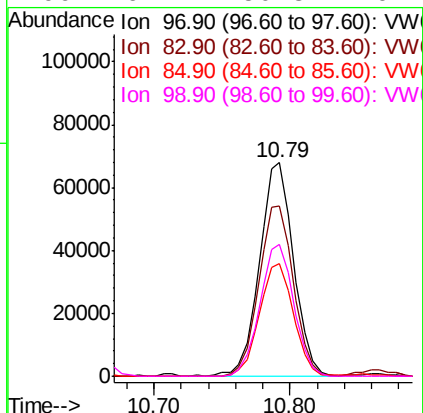
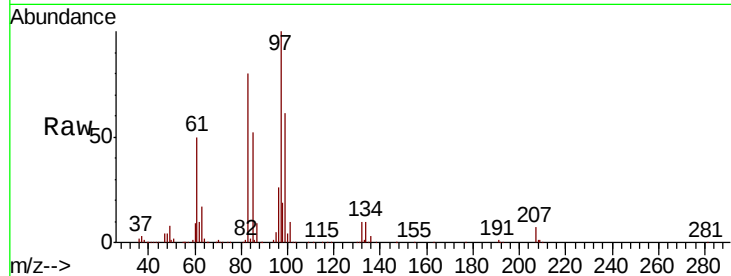




#55
 1,1,2-Trichloroethane
 Concen: 49.792 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

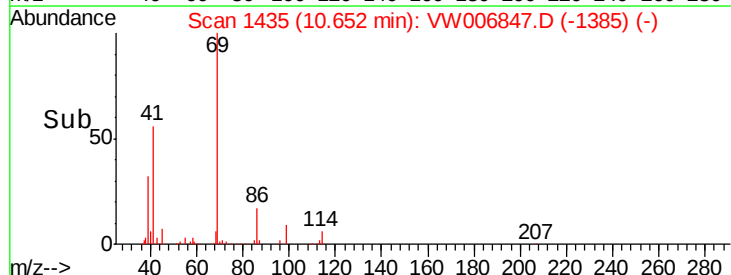
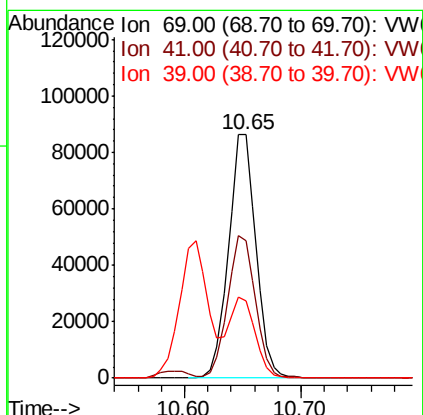
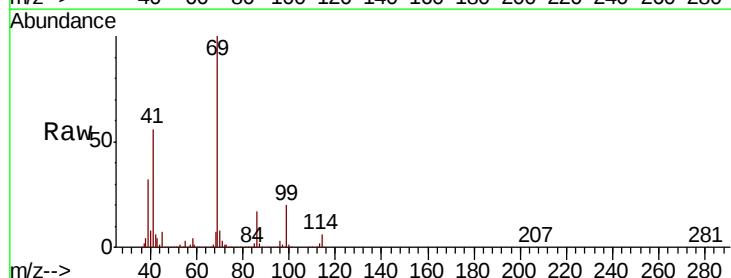
Instrument :
 MSVOA_W
 ClientSampled :

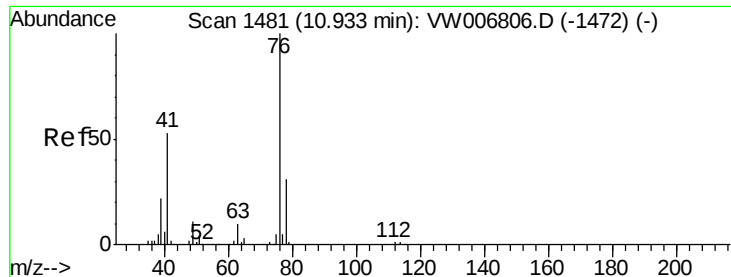
Tot Ion: 97 Resp: 119355
 Ion Ratio Lower Upper
 97 100
 83 79.9 67.0 100.4
 85 52.5 41.7 62.5
 99 61.4 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 53.648 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Tgt Ion: 69 Resp: 140936
 Ion Ratio Lower Upper
 69 100
 41 58.8 47.0 70.4
 39 33.3 23.1 34.7





#57

1,3-Dichloropropane

Concen: 49.599 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

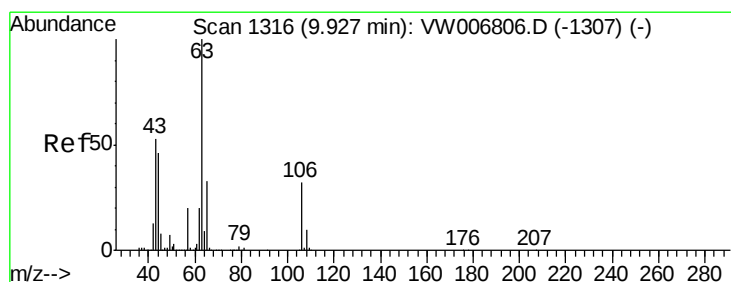
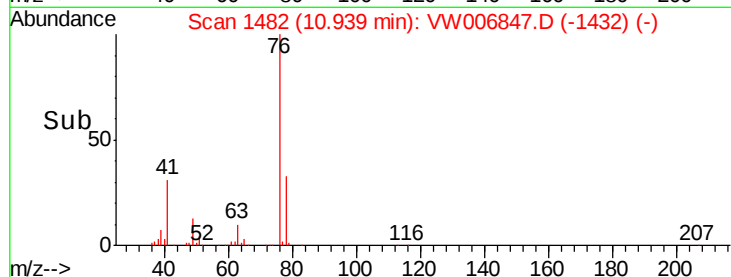
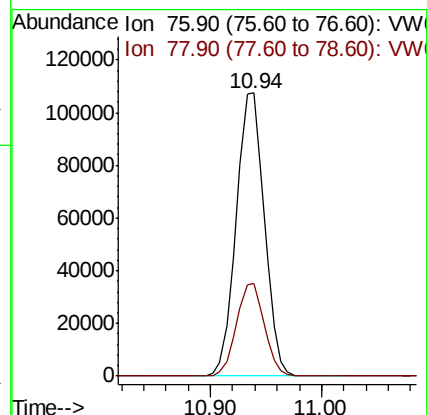
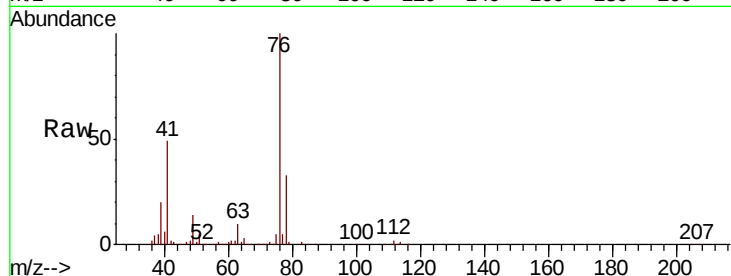
ClientSampleId :

Tot Ion: 76 Resp: 188288

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 252.055 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006847.D

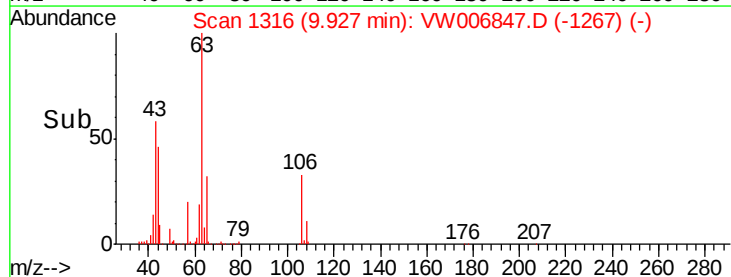
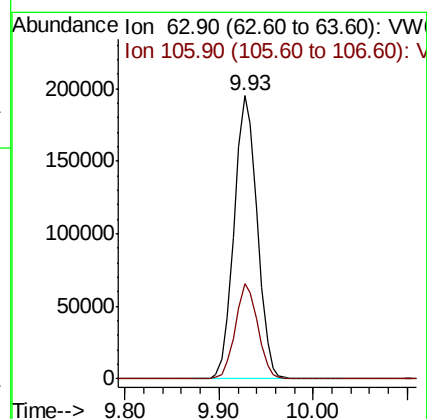
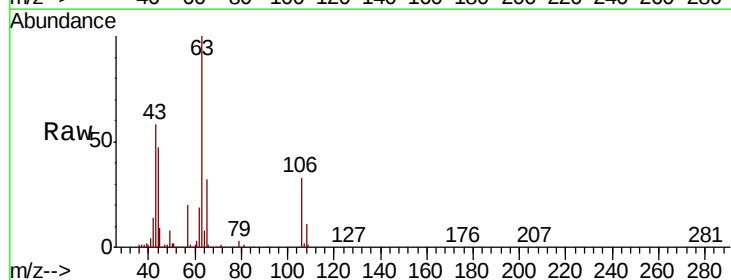
Acq: 13 Nov 2018 11:49

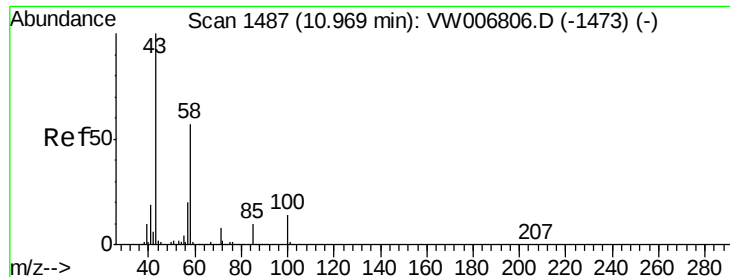
Tgt Ion: 63 Resp: 331637

Ion Ratio Lower Upper

63 100

106 32.7 25.4 38.0





#59

2-Hexanone

Concen: 273.402 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

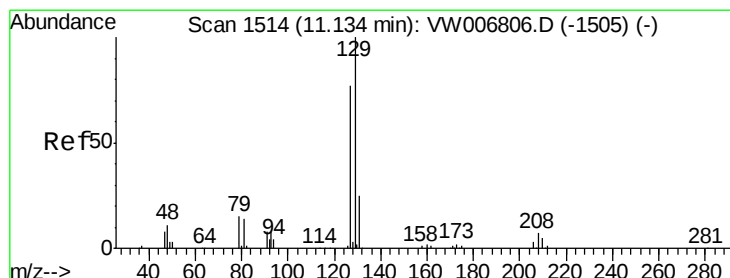
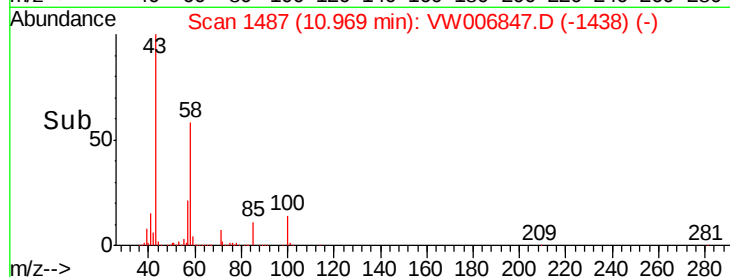
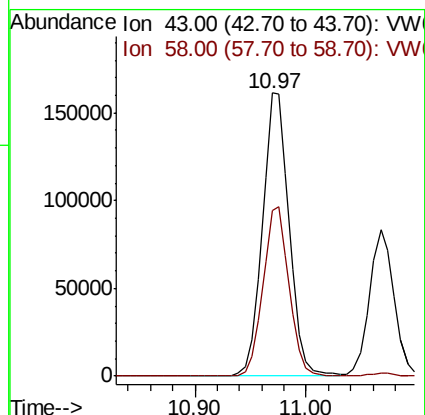
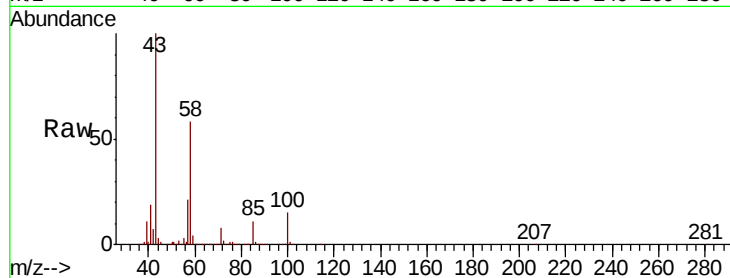
ClientSampleId :

Tot Ion: 43 Resp: 269281

Ion Ratio Lower Upper

43 100

58 58.2 28.7 86.1



#60

Dibromochloromethane

Concen: 50.120 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW006847.D

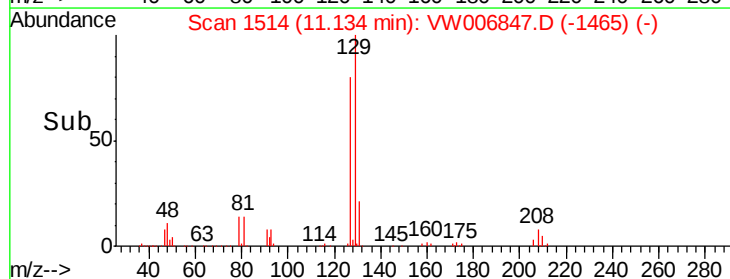
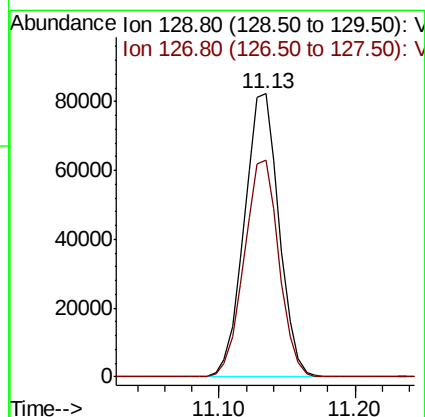
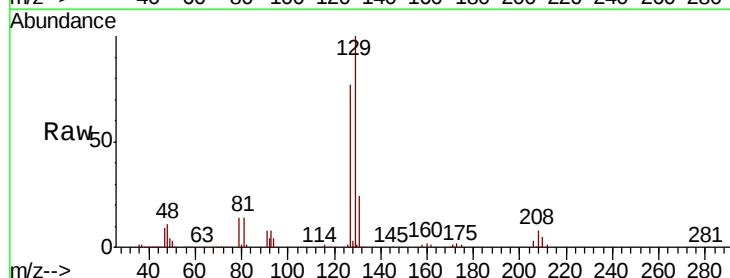
Acq: 13 Nov 2018 11:49

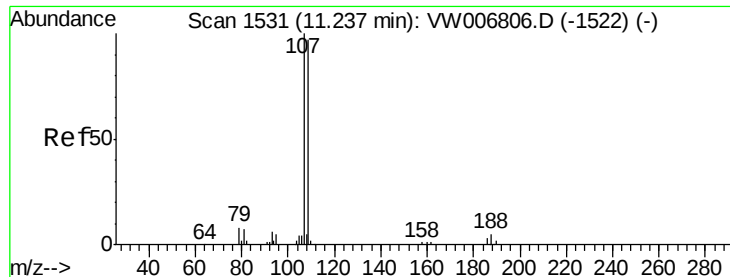
Tgt Ion: 129 Resp: 147010

Ion Ratio Lower Upper

129 100

127 76.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 50.518 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

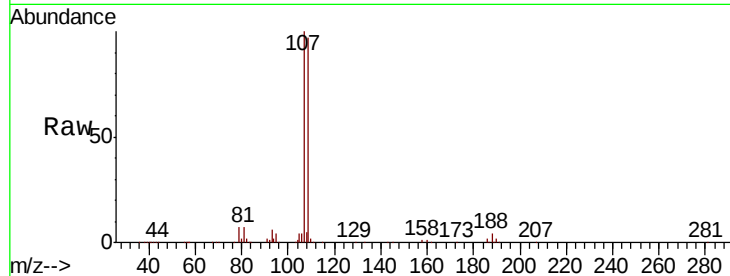
ClientSampleId :

Tot Ion:107 Resp: 115009

Ion Ratio Lower Upper

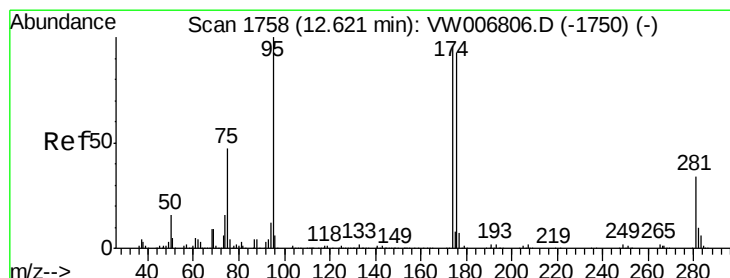
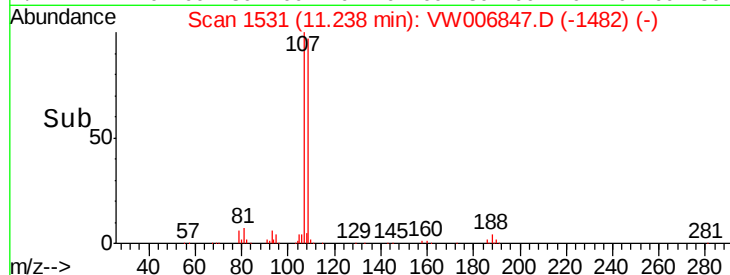
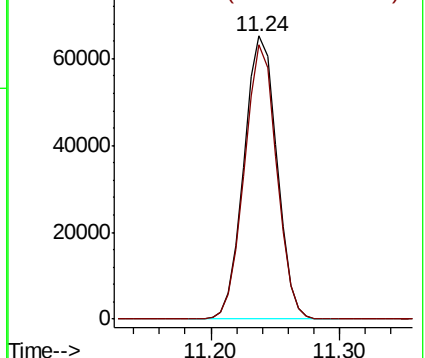
107 100

109 95.0 76.7 115.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.741 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

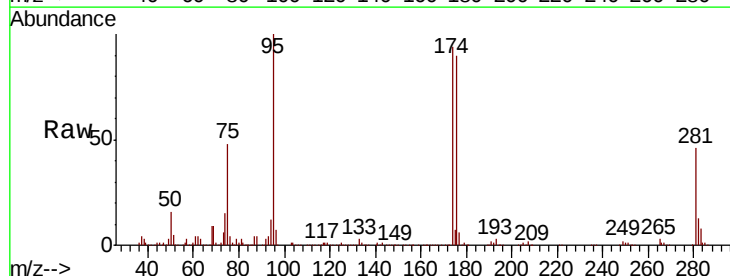
Tgt Ion: 95 Resp: 216363

Ion Ratio Lower Upper

95 100

174 96.9 0.0 196.6

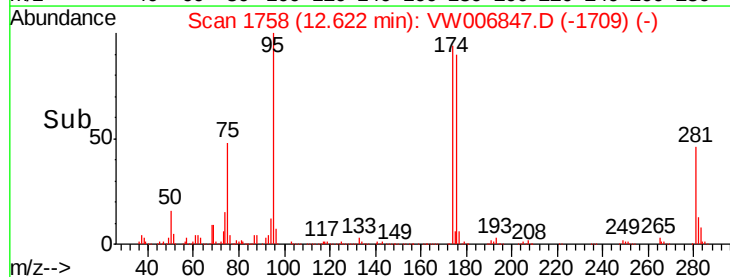
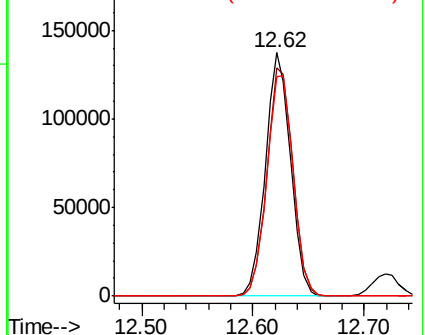
176 94.9 0.0 191.6

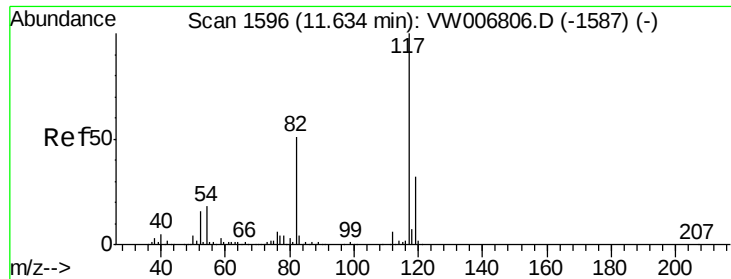


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

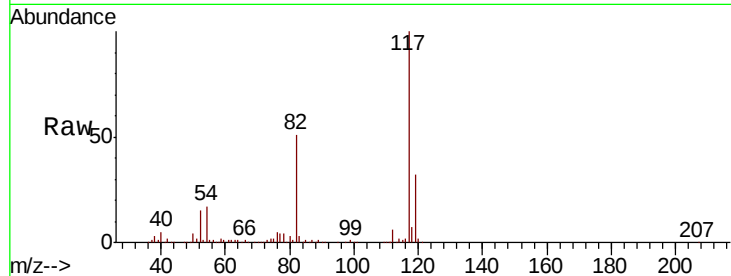




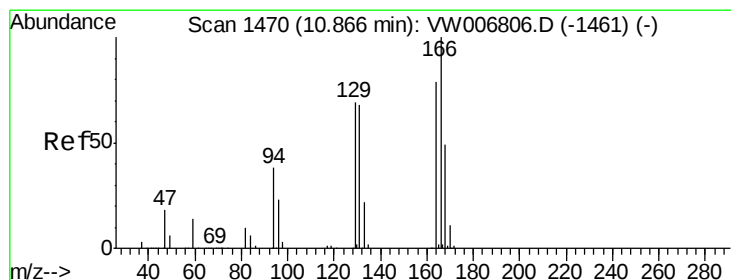
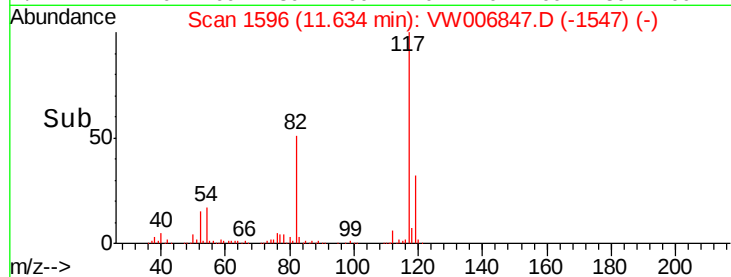
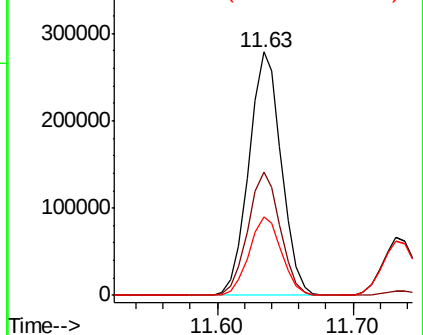
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.6	61.0
119	32.4	25.5	38.3

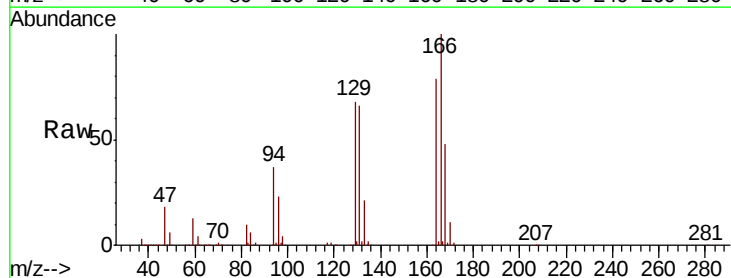


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

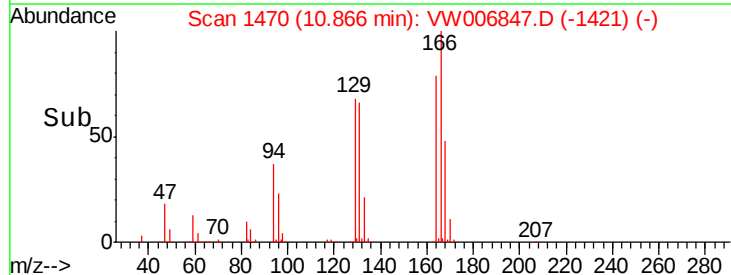
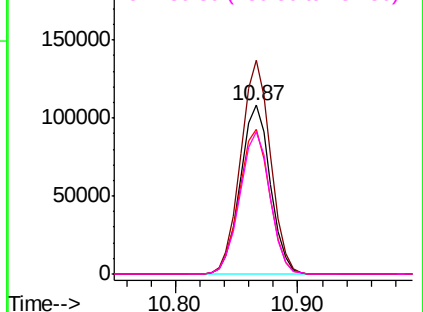


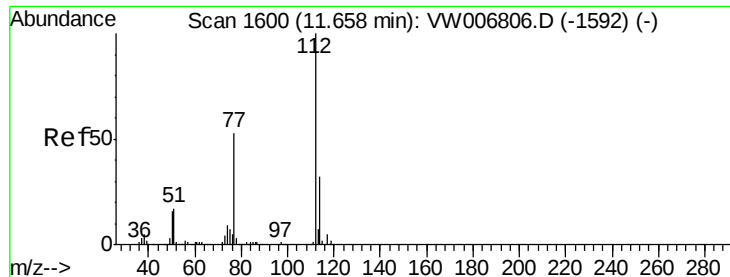
#64
Tetrachloroethene
Concen: 49.275 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.3	151.9
129	85.7	69.6	104.4
131	83.8	68.7	103.1



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

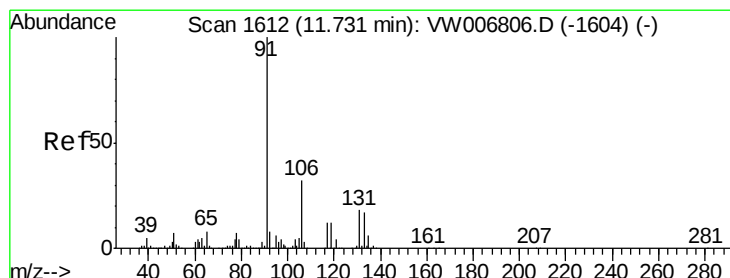
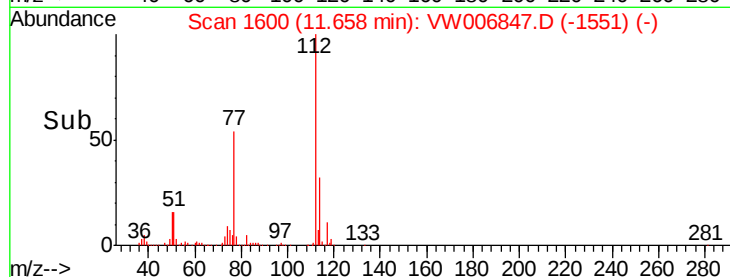
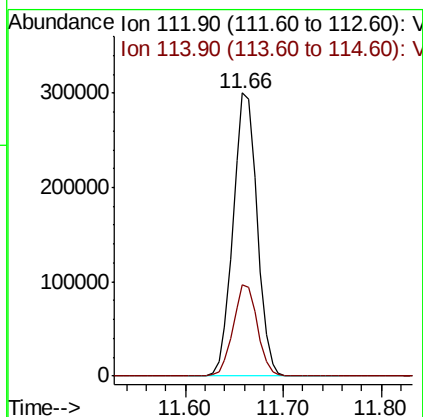
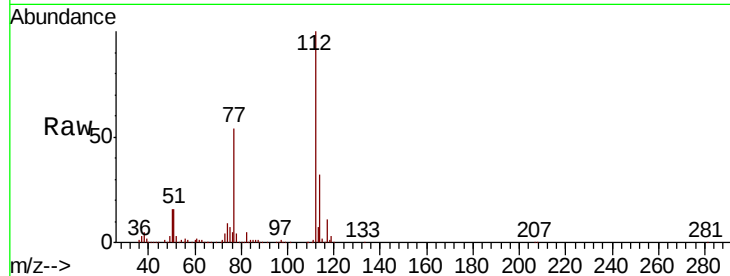




#65
Chlorobenzene
Concen: 49.773 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

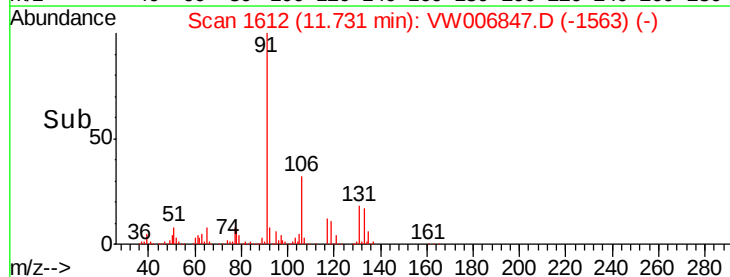
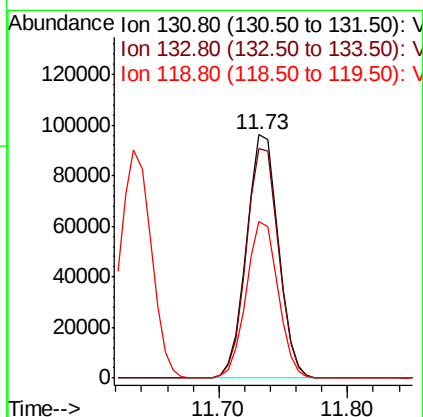
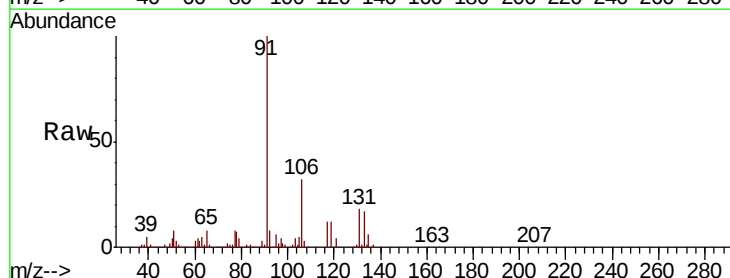
Instrument :
MSVOA_W
ClientSampleId :

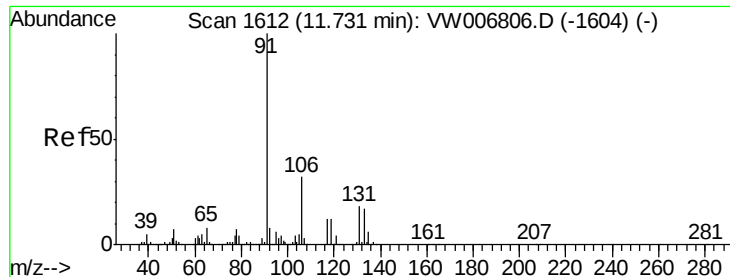
Tot Ion:112 Resp: 513687
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.067 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion:131 Resp: 164320
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 64.2 32.4 97.2

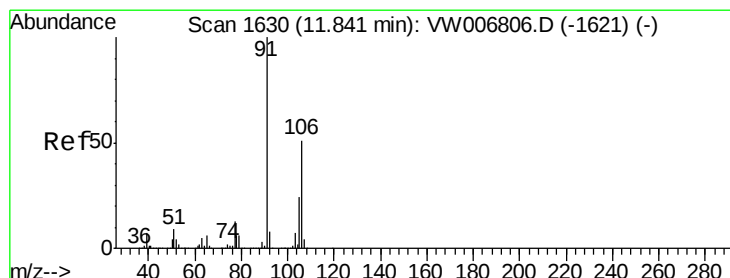
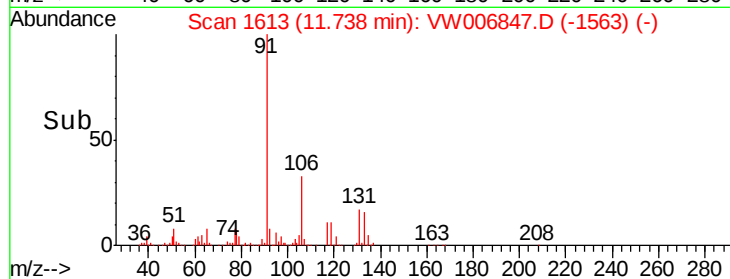
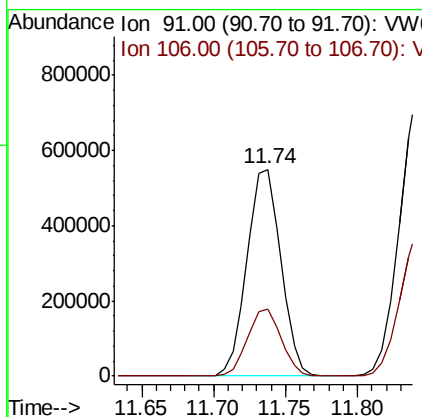
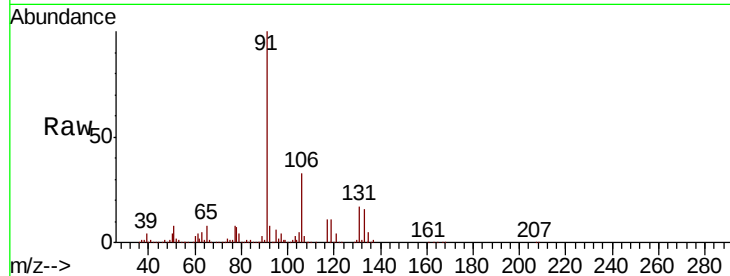




#67
Ethyl Benzene
Concen: 50.927 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

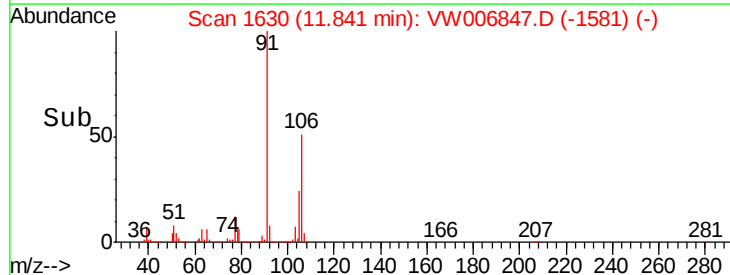
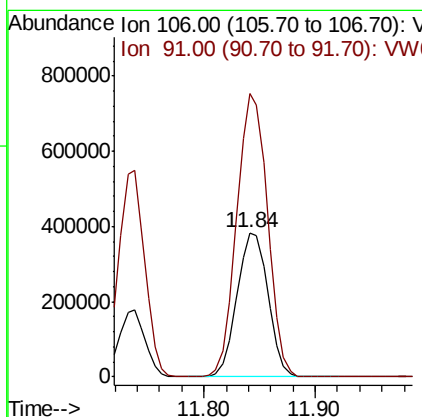
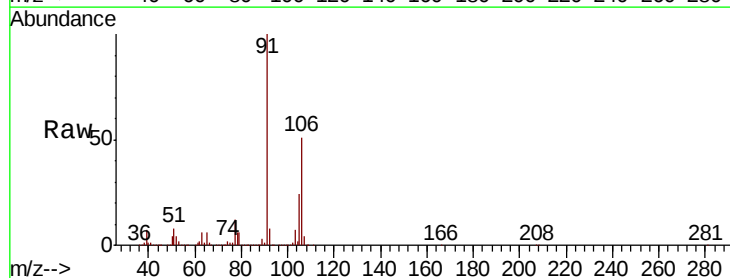
Instrument :
MSVOA_W
ClientSampled :

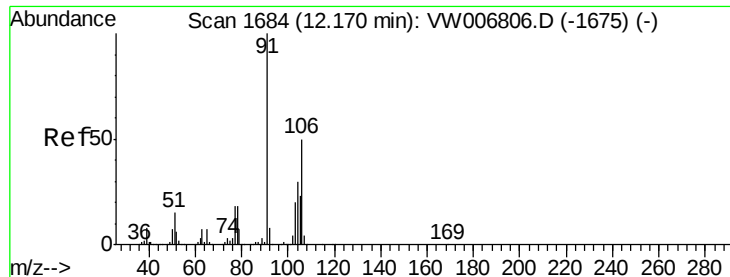
Tot Ion: 91 Resp: 896031
Ion Ratio Lower Upper
91 100
106 32.8 25.4 38.0



#68
m/p-Xylenes
Concen: 102.458 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 106 Resp: 737573
Ion Ratio Lower Upper
106 100
91 195.5 155.7 233.5

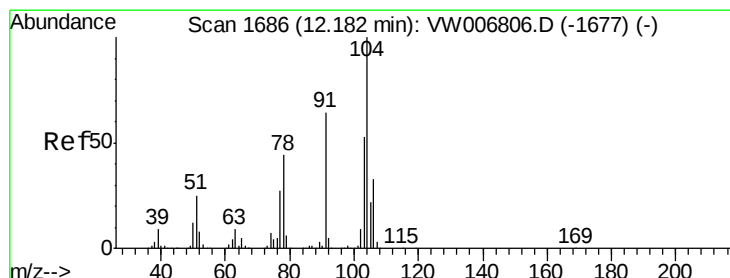
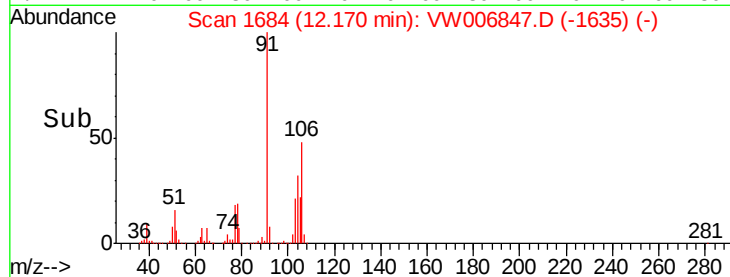
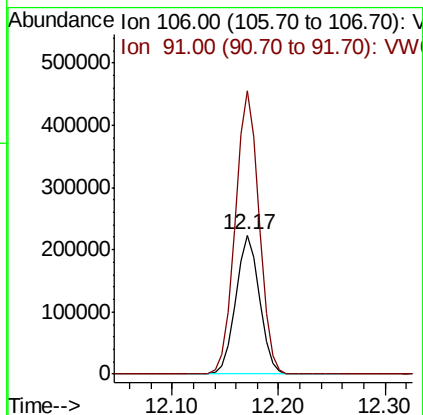
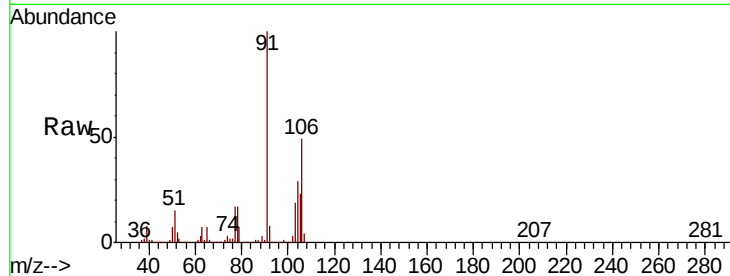




#69
o-Xylene
Concen: 52.123 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

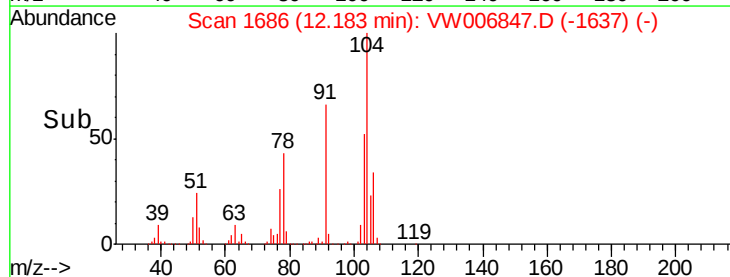
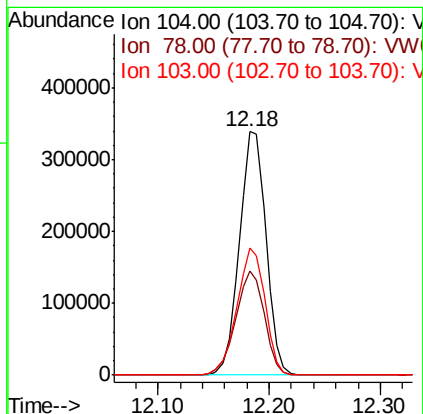
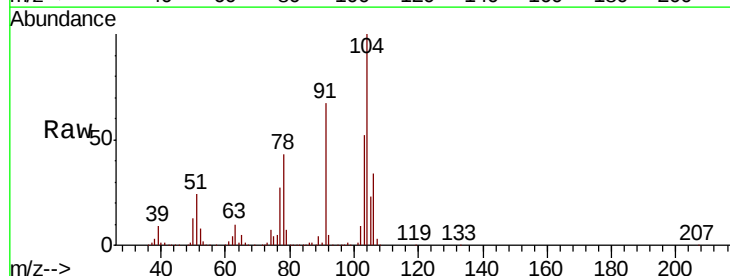
Instrument :
MSVOA_W
ClientSampleId :

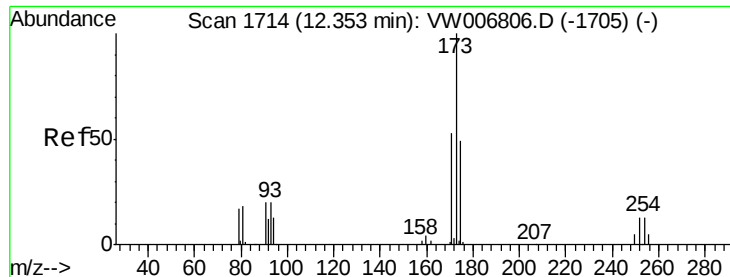
Tot Ion:106 Resp: 349214
Ion Ratio Lower Upper
106 100
91 204.9 101.9 305.7



#70
Styrene
Concen: 52.386 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion:104 Resp: 561760
Ion Ratio Lower Upper
104 100
78 45.9 37.3 55.9
103 54.9 44.6 66.8





#71

Bromoform

Concen: 49.194 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

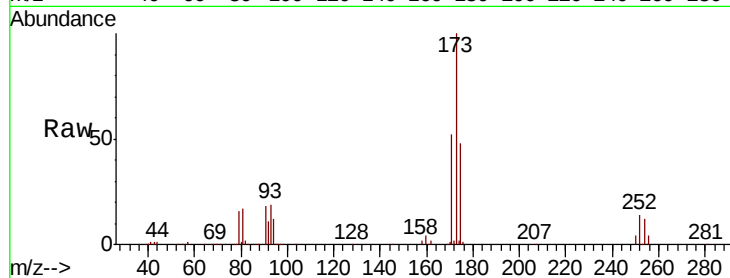
Tot Ion:173 Resp: 89909

Ion Ratio Lower Upper

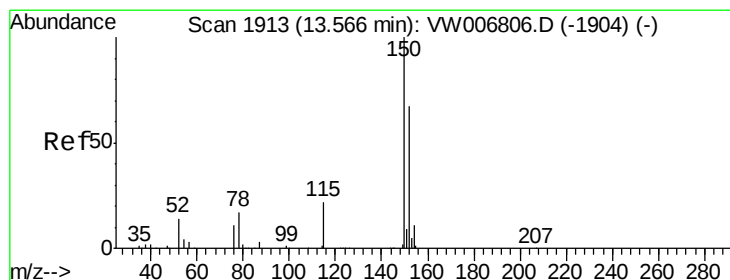
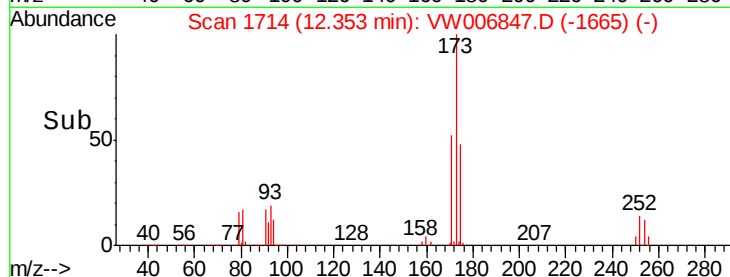
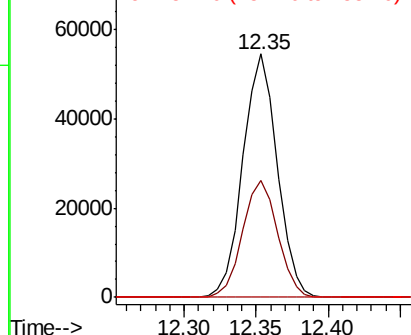
173 100

175 49.2 24.4 73.4

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

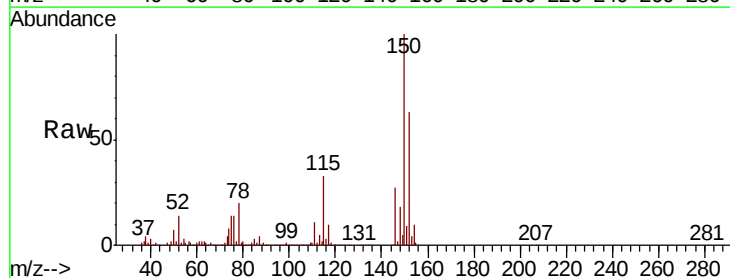
Tgt Ion:152 Resp: 271252

Ion Ratio Lower Upper

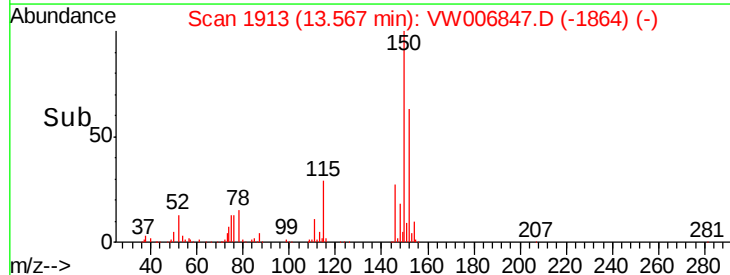
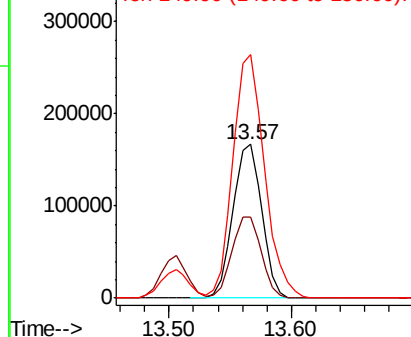
152 100

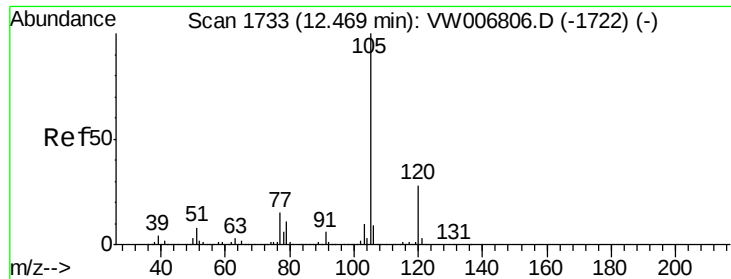
115 54.0 27.3 81.8

150 173.7 0.0 353.0



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

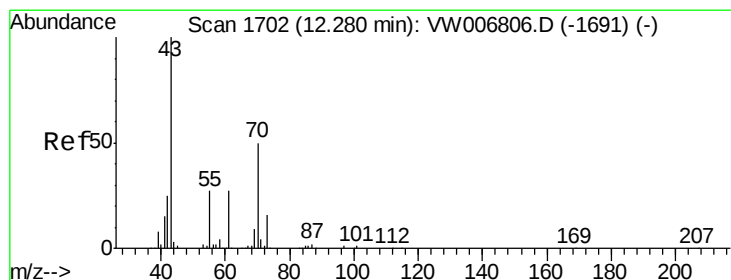
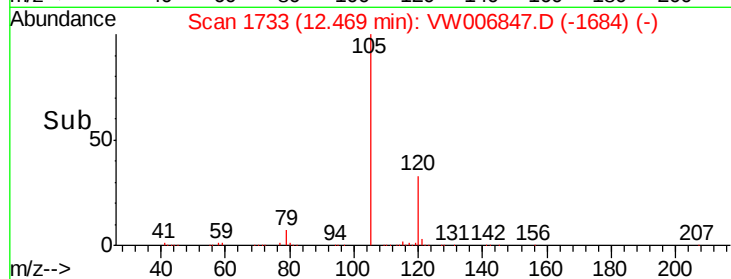
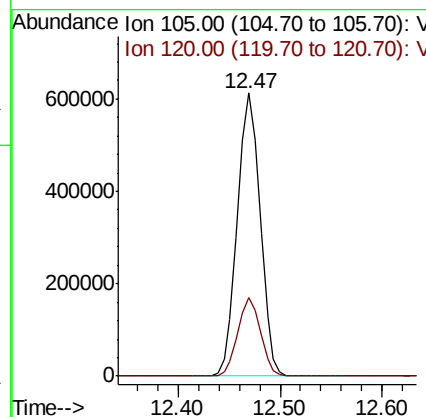
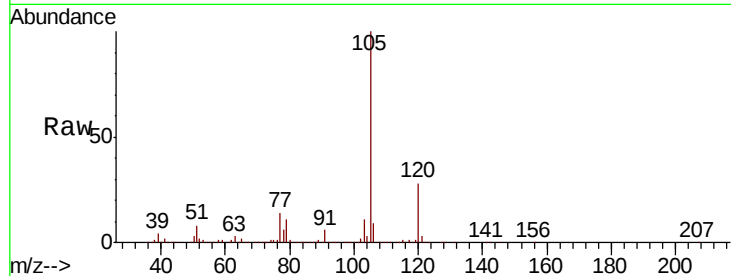




#73
Isopropylbenzene
Concen: 50.309 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

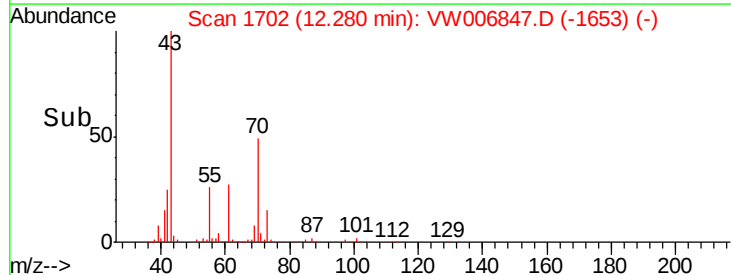
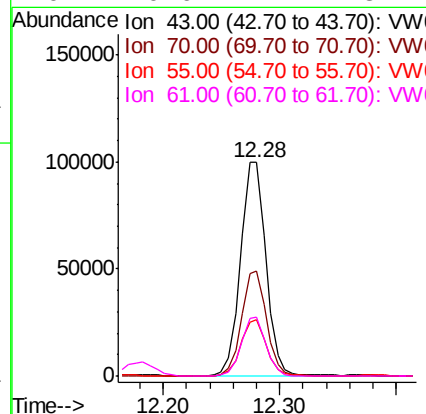
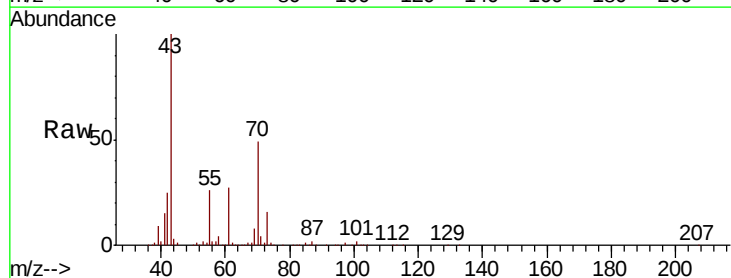
Instrument :
MSVOA_W
ClientSampleId :

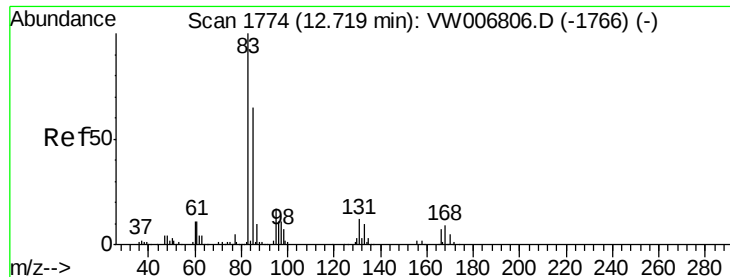
Tot Ion:105 Resp: 947241
Ion Ratio Lower Upper
105 100
120 27.6 14.0 42.0



#74
N-ethyl acetate
Concen: 53.562 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion: 43 Resp: 152488
Ion Ratio Lower Upper
43 100
70 48.1 39.0 58.4
55 25.7 22.1 33.1
61 26.6 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.471 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampled :

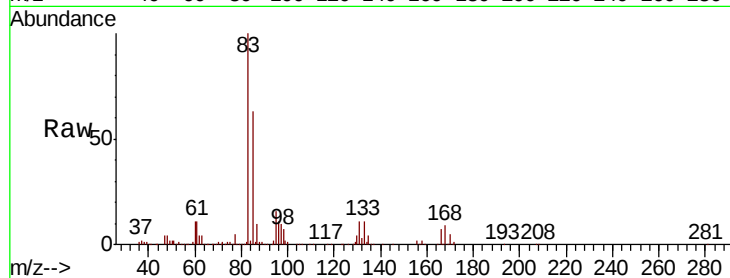
Tot Ion: 83 Resp: 126250

Ion	Ratio	Lower	Upper
83	100		
131	12.3	6.1	18.3
85	63.8	32.4	97.0

83 100

131 12.3 6.1 18.3

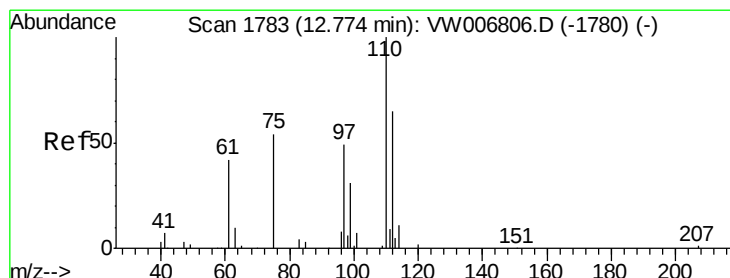
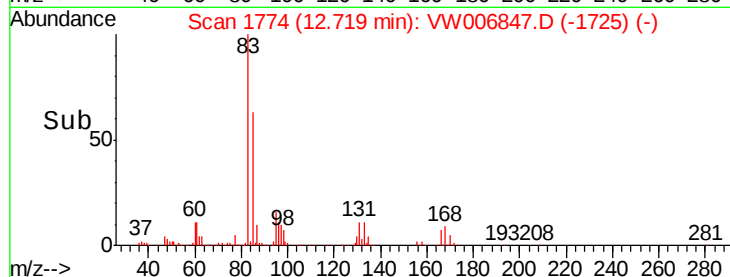
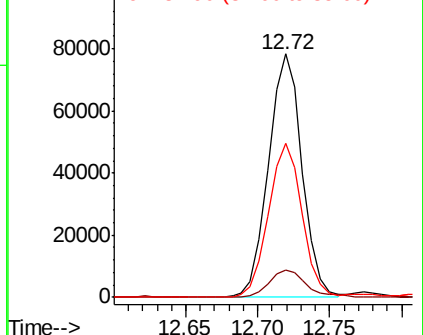
85 63.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.920 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006847.D

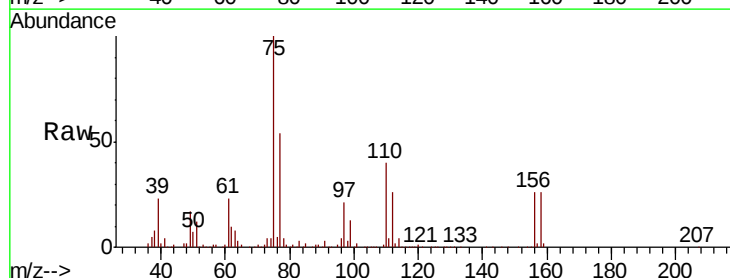
Acq: 13 Nov 2018 11:49

Tgt Ion: 75 Resp: 167958

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

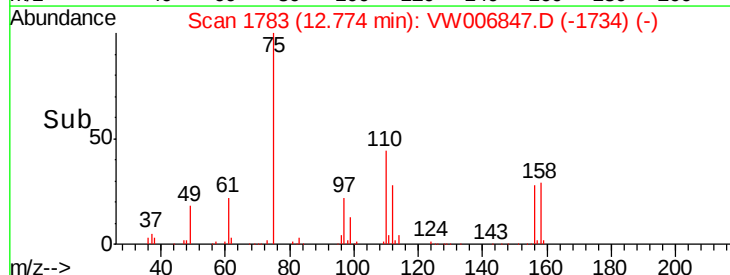
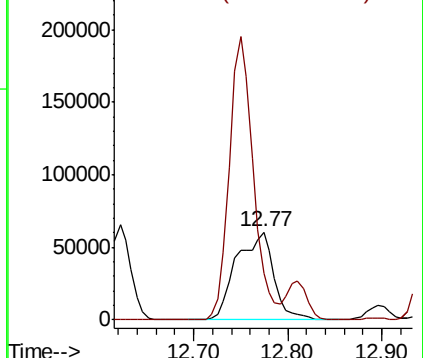
75 100

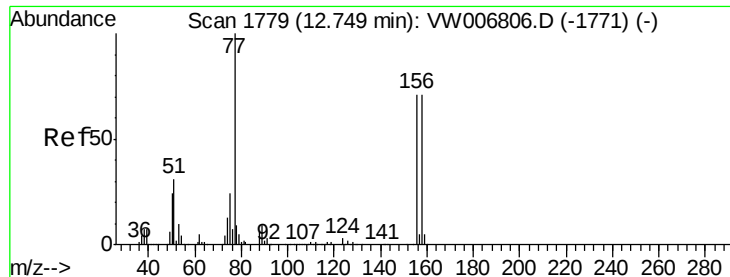
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.784 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

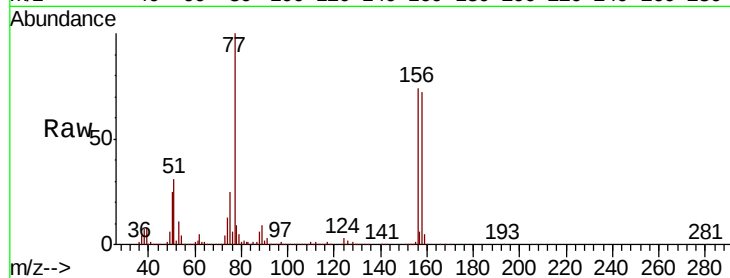
Tot Ion:156 Resp: 236326

Ion Ratio Lower Upper

156 100

77 147.5 75.3 225.7

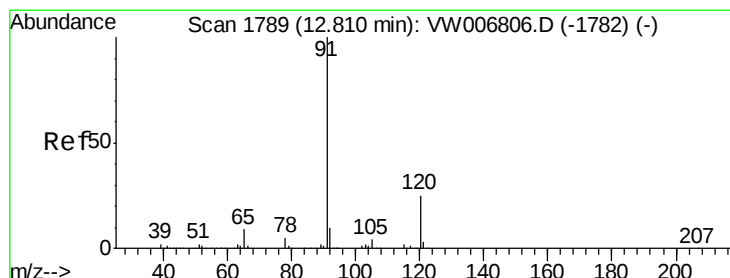
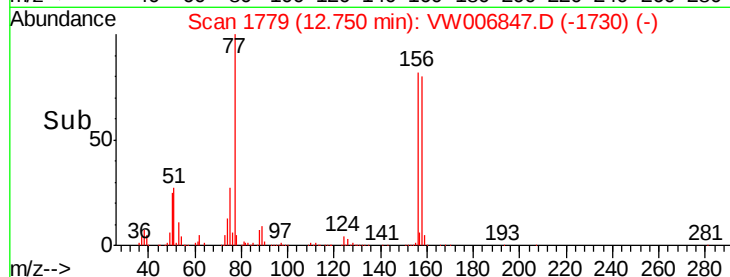
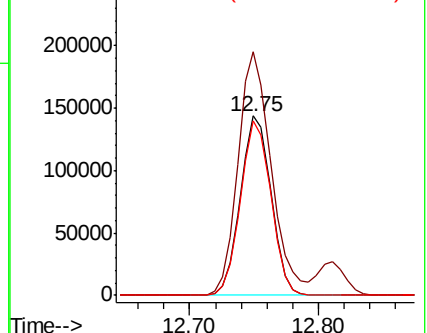
158 96.7 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.241 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006847.D

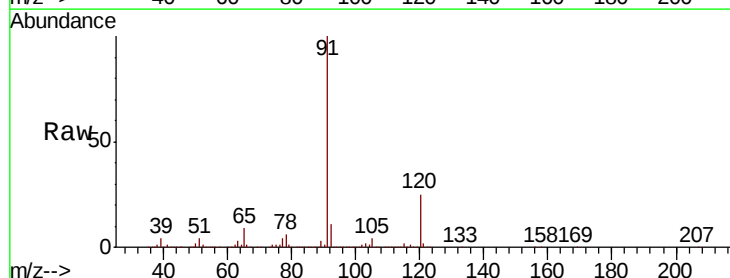
Acq: 13 Nov 2018 11:49

Tgt Ion: 91 Resp: 1116466

Ion Ratio Lower Upper

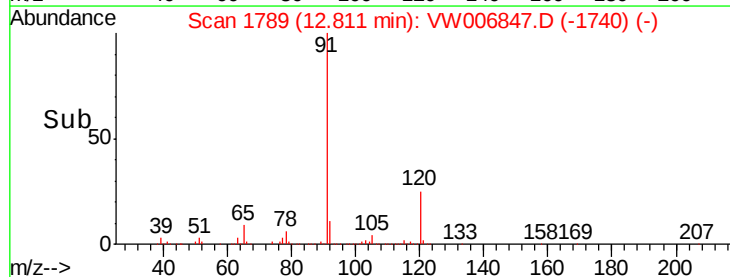
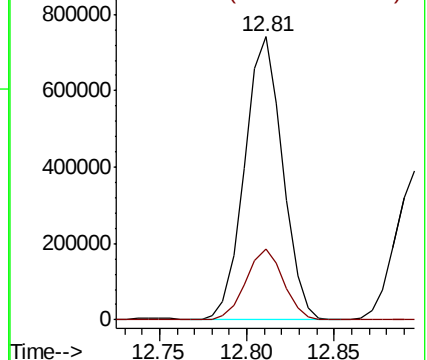
91 100

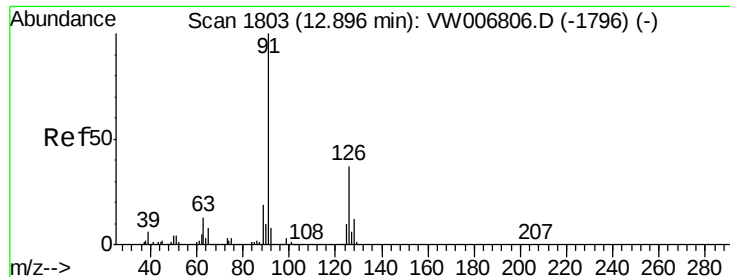
120 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.920 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

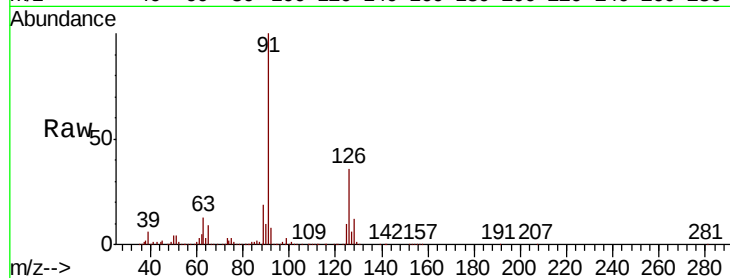
ClientSampleId :

Tot Ion: 91 Resp: 622393

Ion Ratio Lower Upper

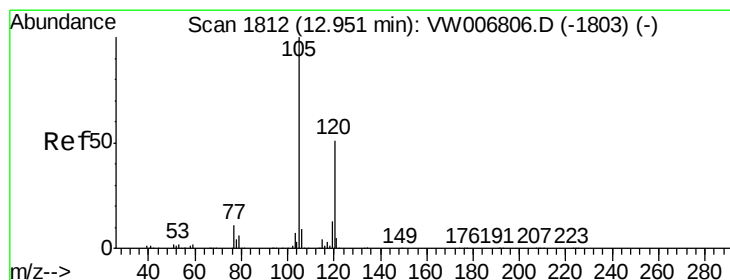
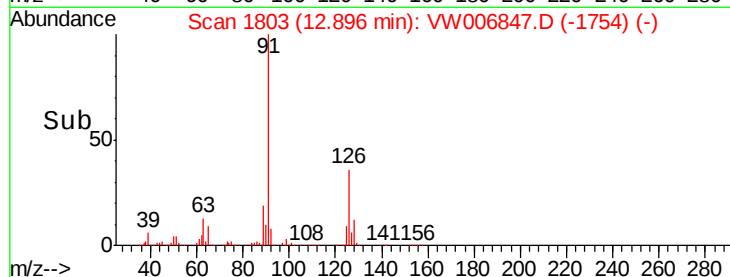
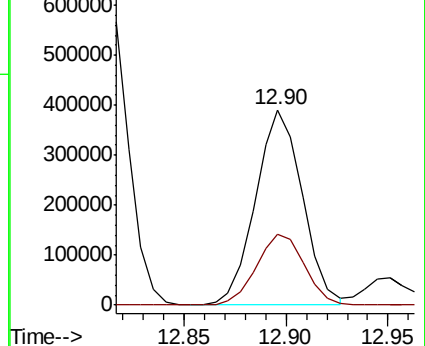
91 100

126 37.4 18.5 55.5



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: 51.060 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006847.D

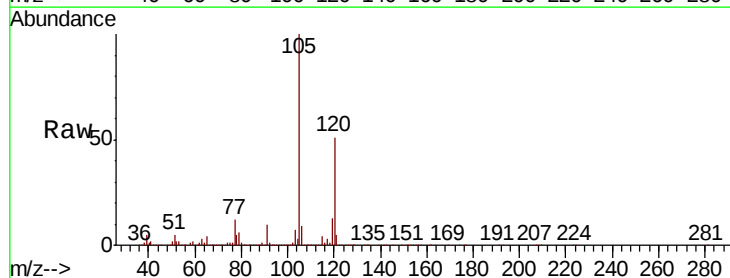
Acq: 13 Nov 2018 11:49

Tgt Ion:105 Resp: 826469

Ion Ratio Lower Upper

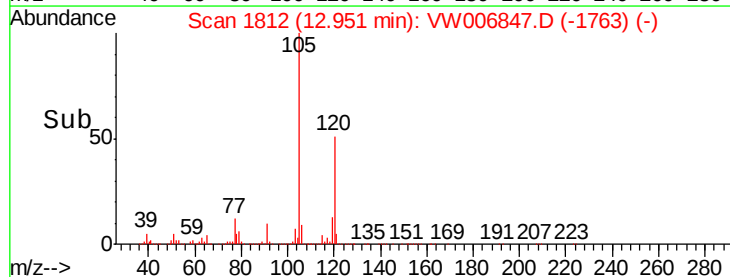
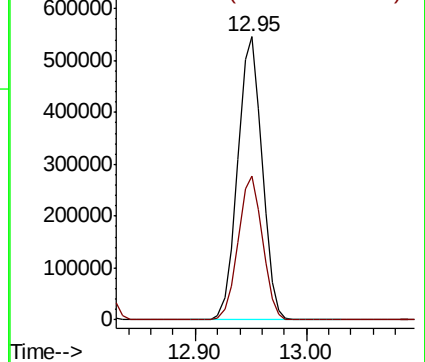
105 100

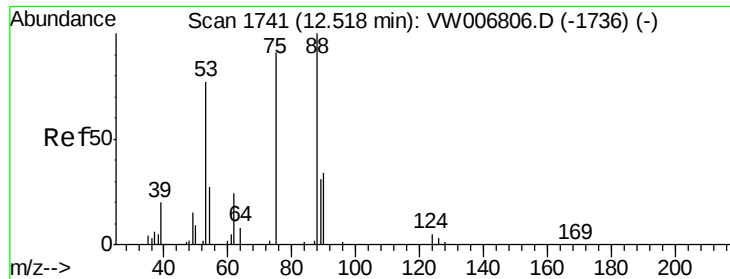
120 50.7 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.494 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

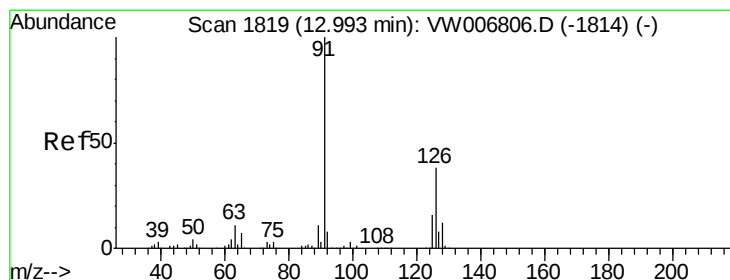
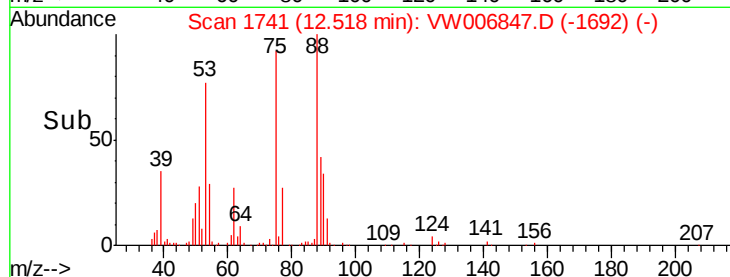
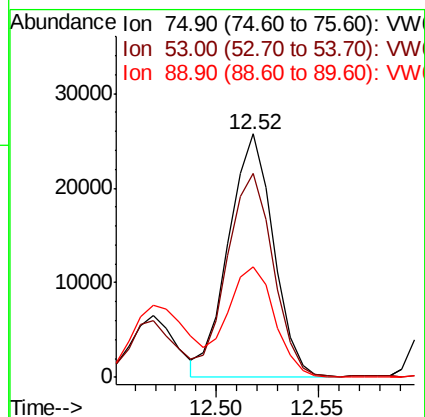
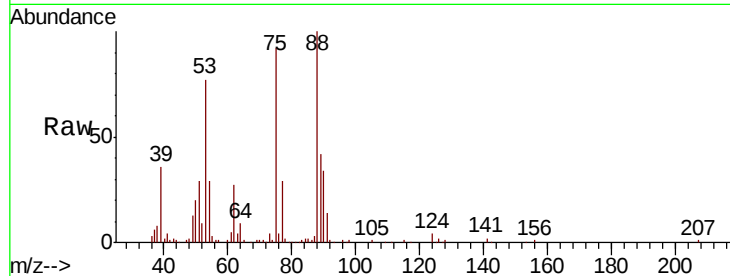
Tot Ion: 75 Resp: 39114

Ion Ratio Lower Upper

75 100

53 86.1 72.9 109.3

89 48.2 38.7 58.1



#82

4-Chlorotoluene

Concen: 49.864 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006847.D

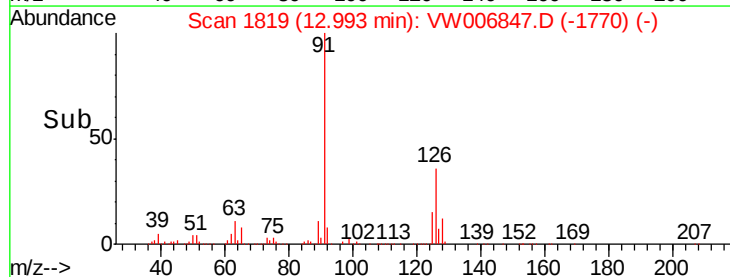
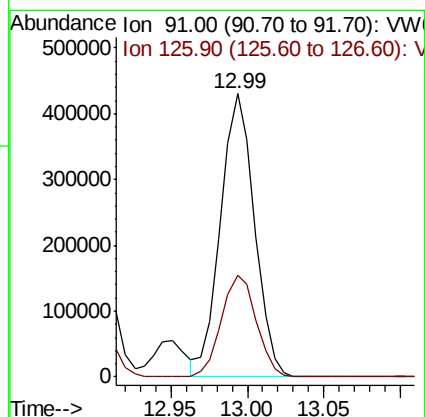
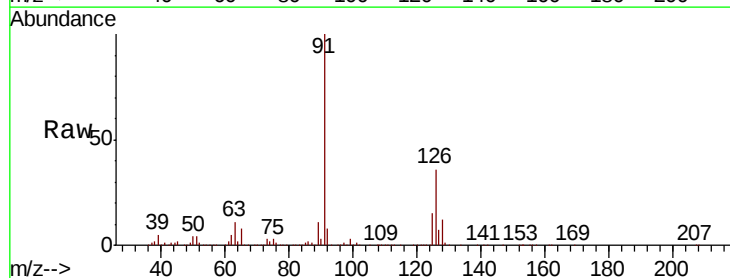
Acq: 13 Nov 2018 11:49

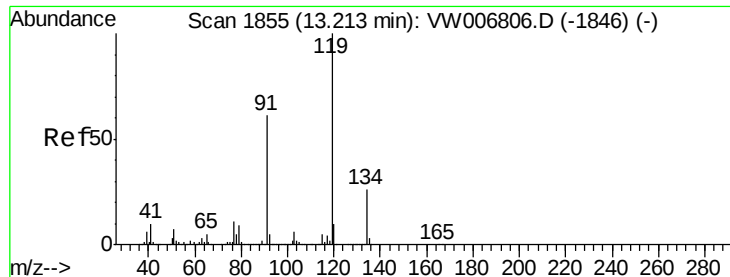
Tgt Ion: 91 Resp: 663307

Ion Ratio Lower Upper

91 100

126 37.1 18.4 55.2





#83

tert-Butylbenzene

Concen: 51.105 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

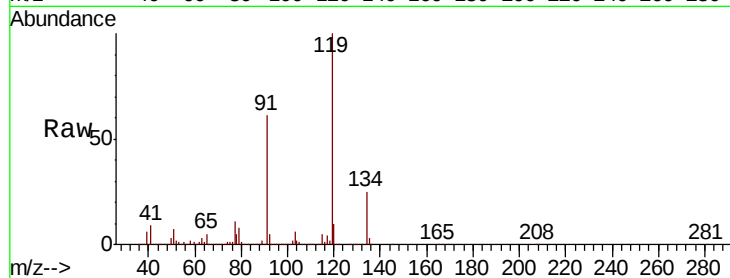
Tot Ion:119 Resp: 731192

Ion Ratio Lower Upper

119 100

91 60.4 30.0 90.1

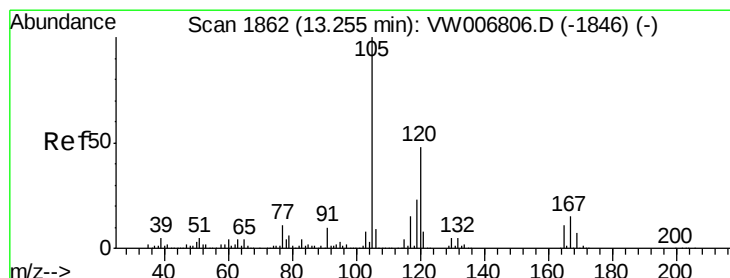
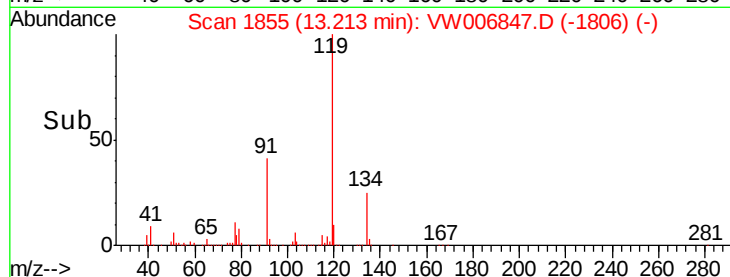
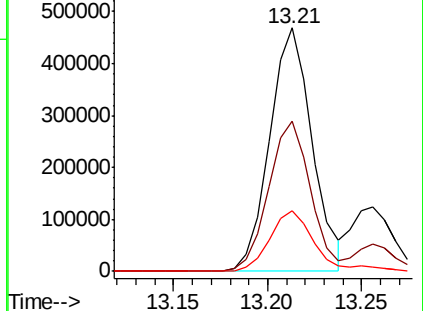
134 26.7 13.4 40.2



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: 50.569 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006847.D

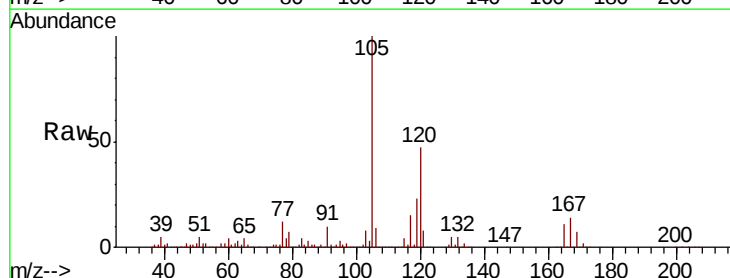
Acq: 13 Nov 2018 11:49

Tgt Ion:105 Resp: 832984

Ion Ratio Lower Upper

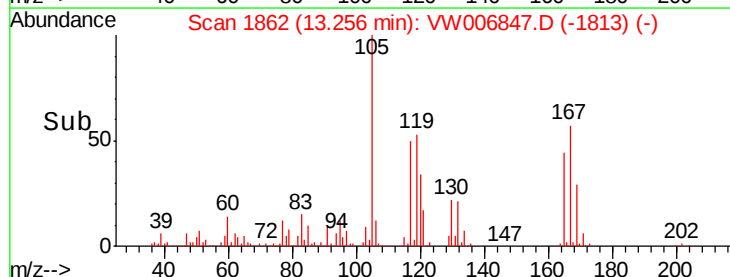
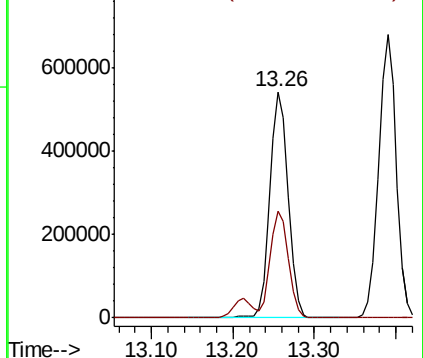
105 100

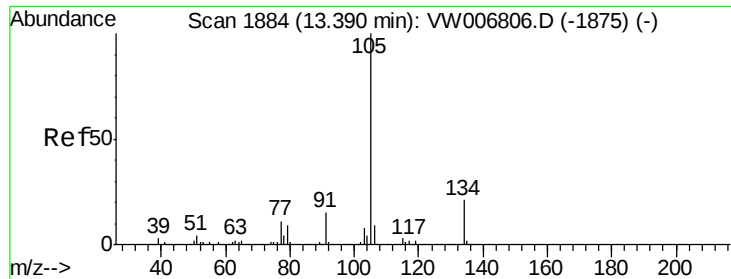
120 46.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.367 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

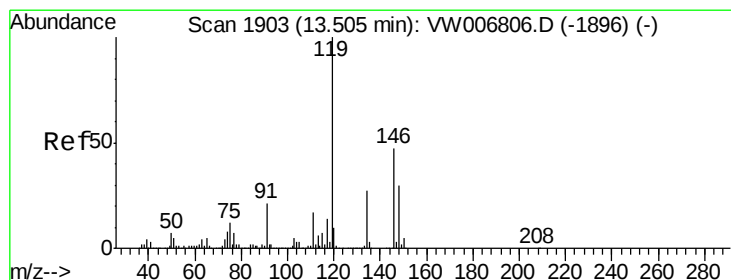
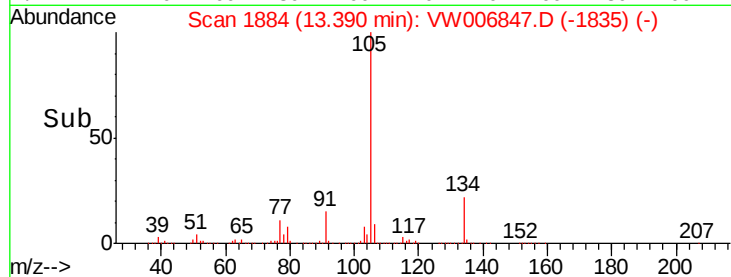
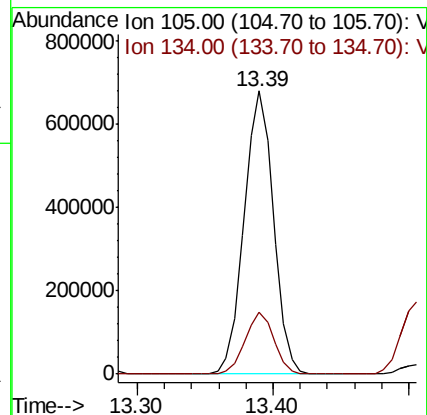
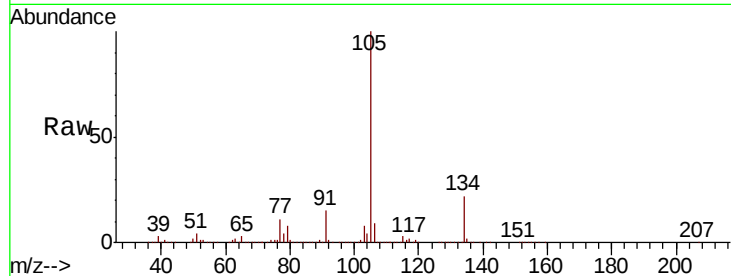
ClientSampleId :

Tot Ion:105 Resp: 1021167

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9



#86

p-Isopropyltoluene

Concen: 51.349 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

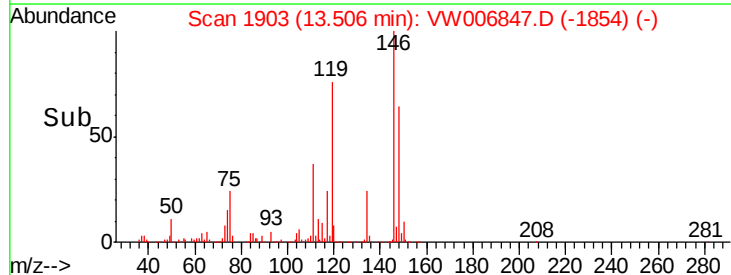
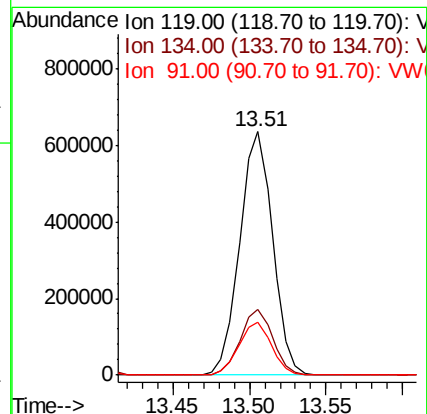
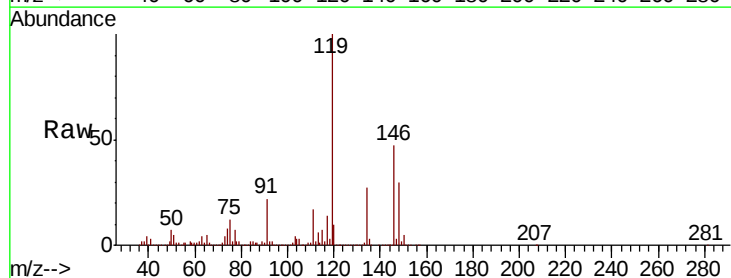
Tgt Ion:119 Resp: 946956

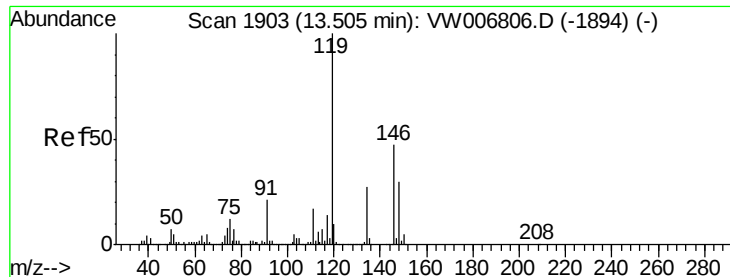
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.4 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 49.733 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

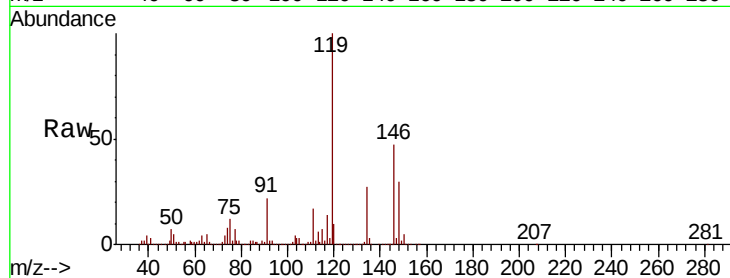
Tot Ion:146 Resp: 481164

Ion Ratio Lower Upper

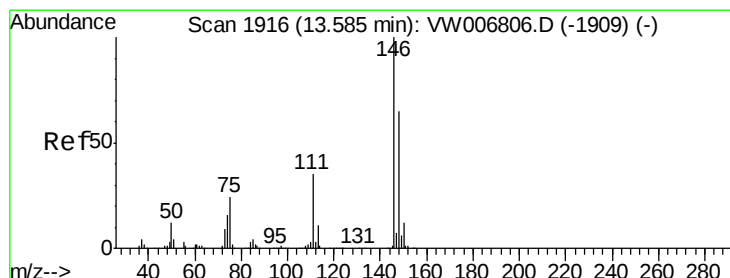
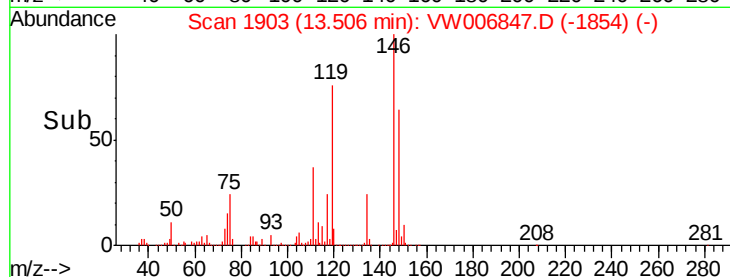
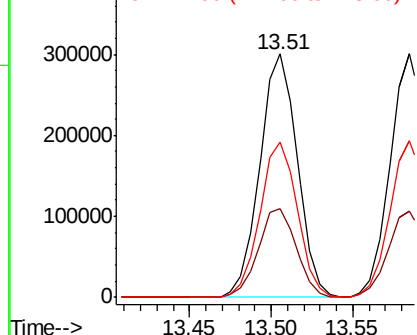
146 100

111 37.2 18.3 54.9

148 63.8 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 49.507 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

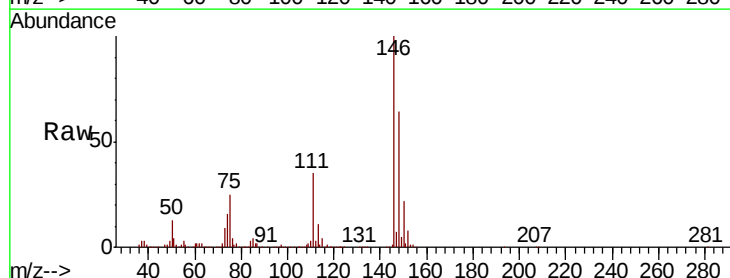
Tgt Ion:146 Resp: 473875

Ion Ratio Lower Upper

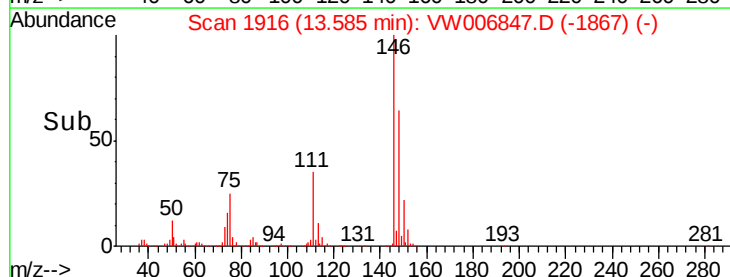
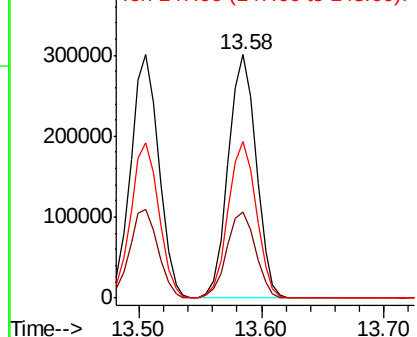
146 100

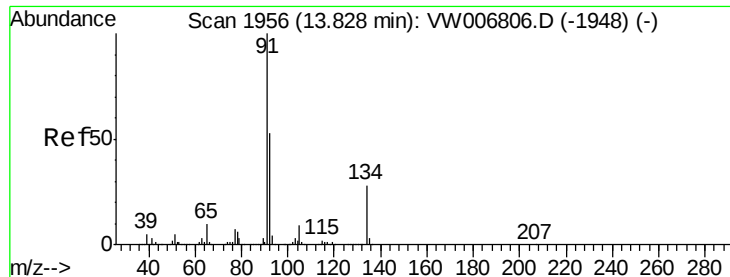
111 36.3 17.8 53.3

148 64.6 32.0 96.0



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





#89

n-Butylbenzene

Concen: 50.524 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006847.D

Acq: 13 Nov 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

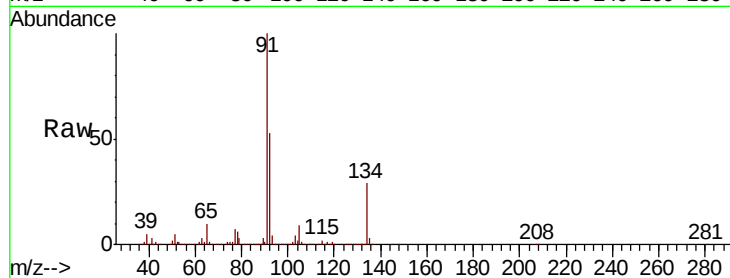
Tot Ion: 91 Resp: 851509

Ion Ratio Lower Upper

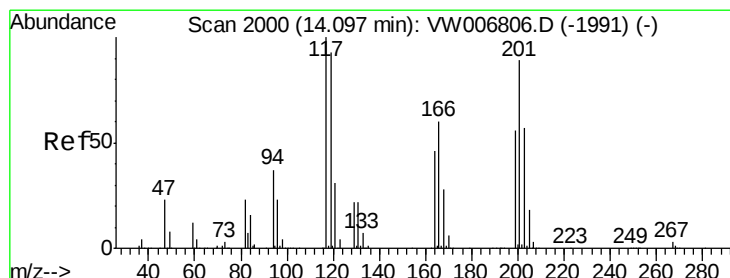
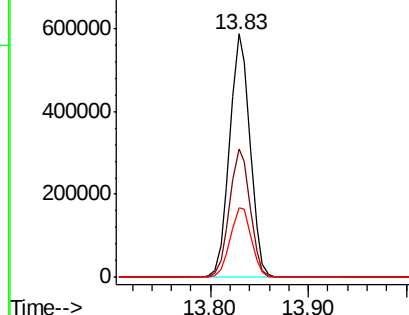
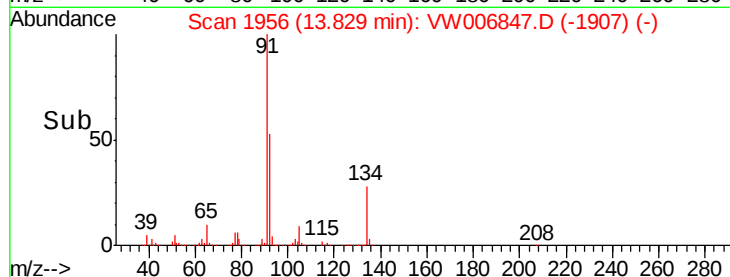
91 100

92 53.0 26.5 79.4

134 29.5 14.4 43.2



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



#90

Hexachloroethane

Concen: 48.399 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006847.D

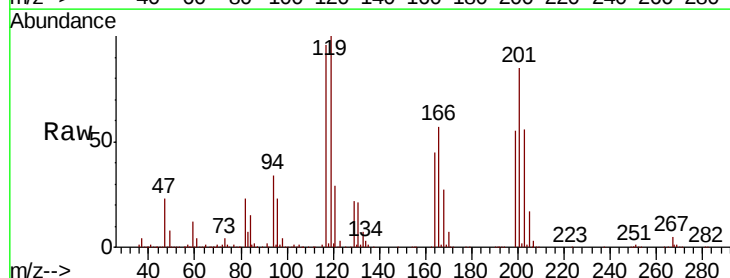
Acq: 13 Nov 2018 11:49

Tgt Ion: 117 Resp: 142818

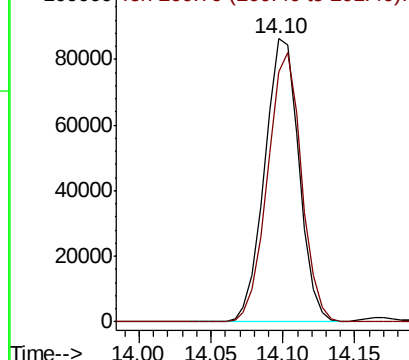
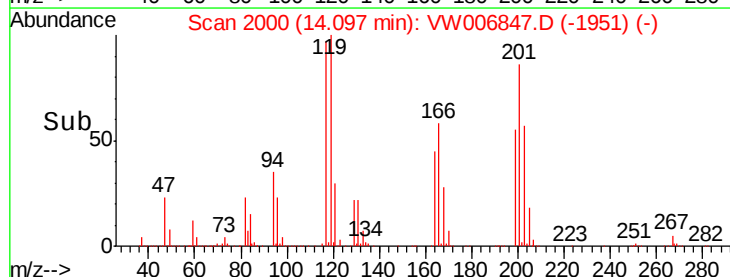
Ion Ratio Lower Upper

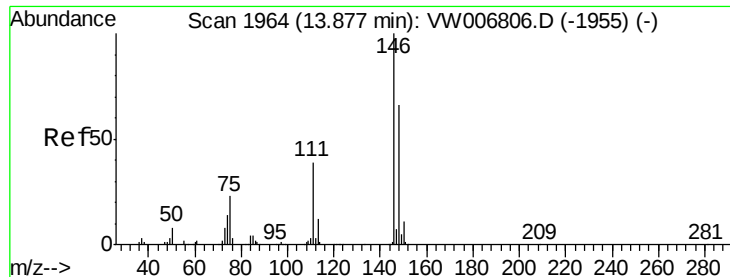
117 100

201 93.7 46.9 140.6



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

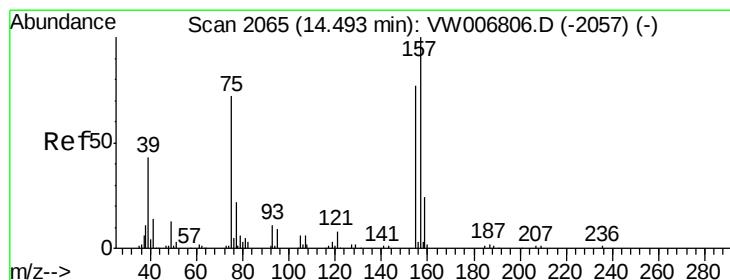
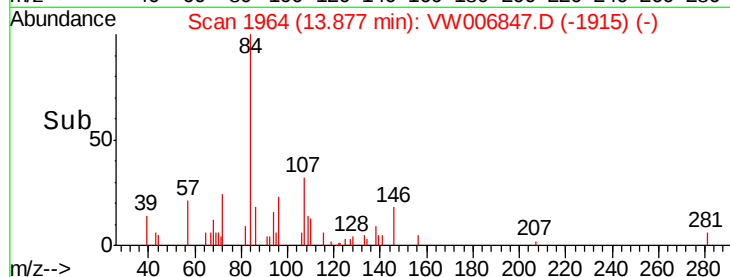
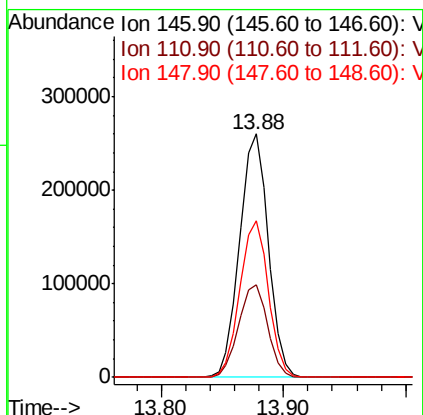
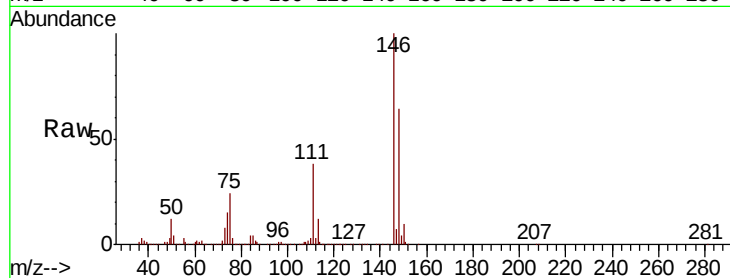




#91
 1,2-Dichlorobenzene
 Concen: 50.238 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

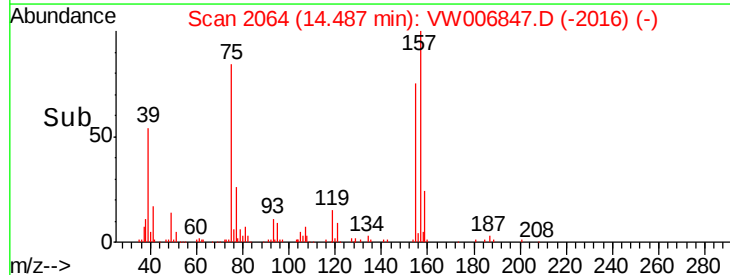
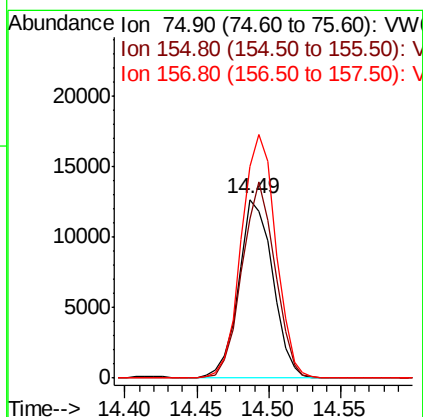
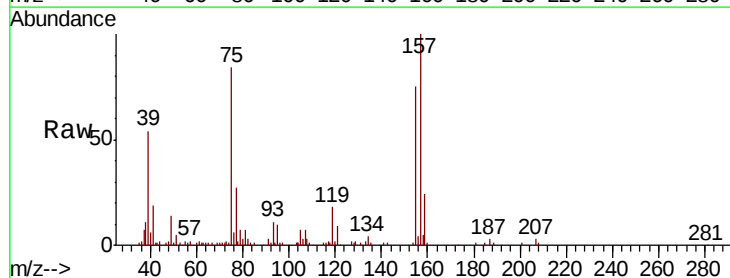
Instrument :
 MSVOA_W
 ClientSampleId :

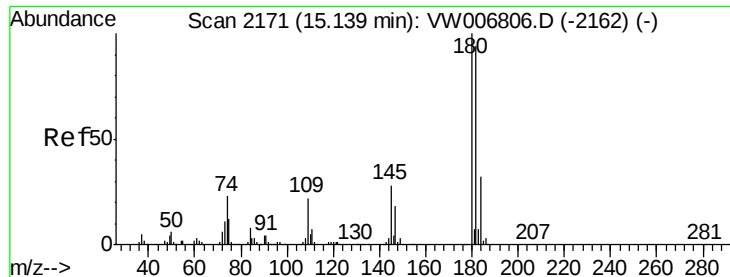
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.8
148	63.9	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.892 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.6	51.0	153.1
157	136.8	67.4	202.2

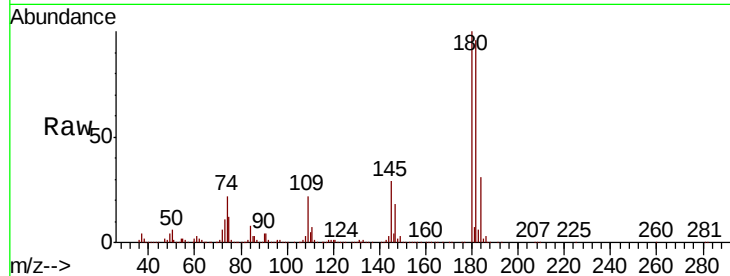




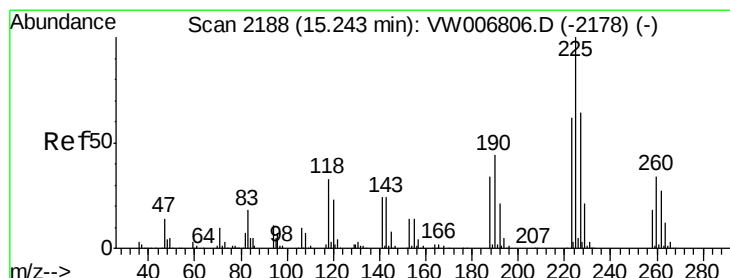
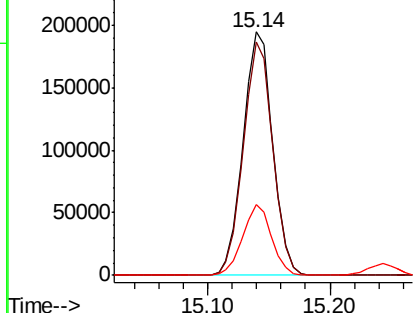
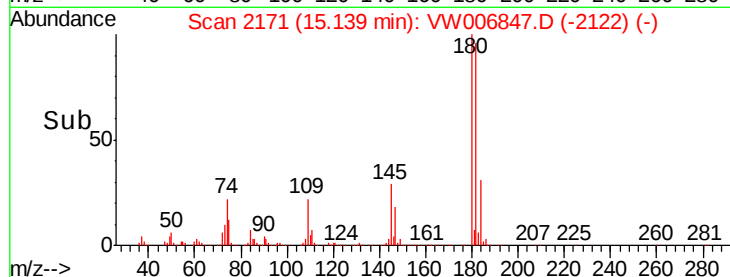
#93
 1,2,4-Trichlorobenzene
 Concen: 51.358 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	28.4	14.0	41.9

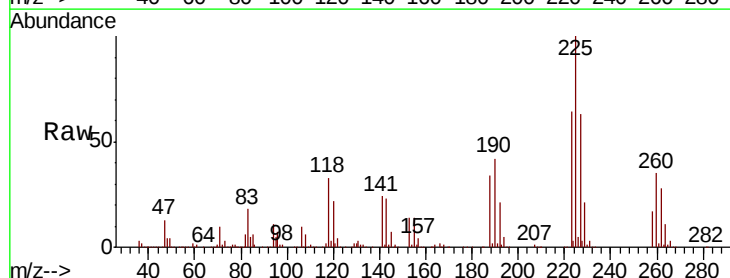


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

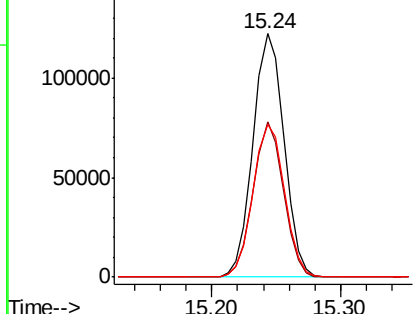
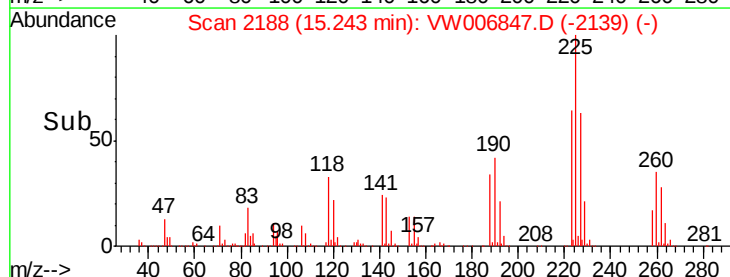


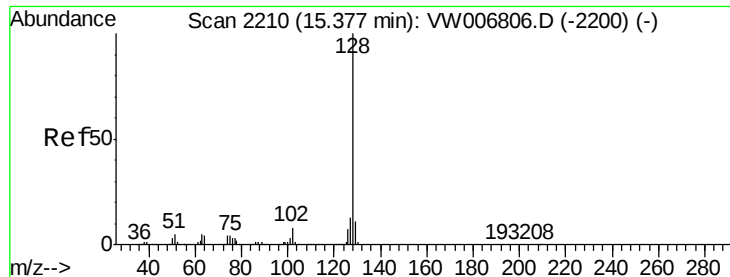
#94
 Hexachlorobutadiene
 Concen: 50.337 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006847.D
 Acq: 13 Nov 2018 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	63.7	32.3	96.9



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

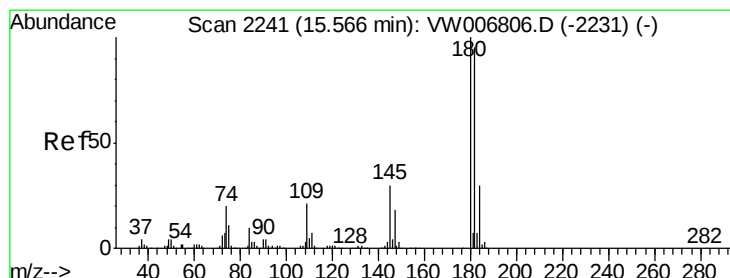
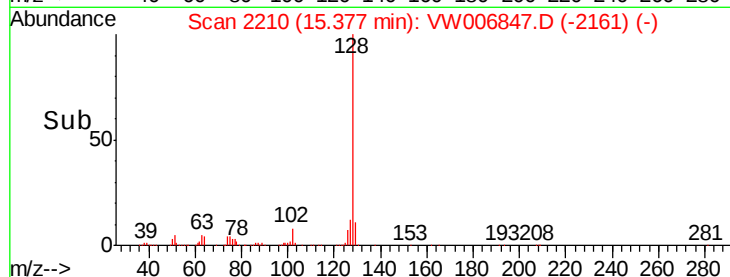
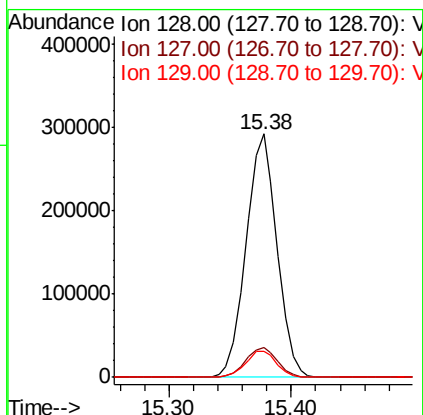
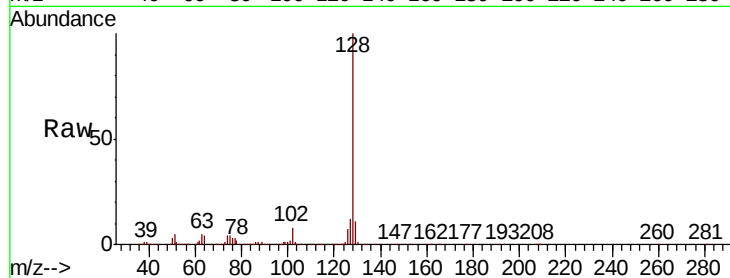




#95
Naphthalene
Concen: 53.579 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.472 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006847.D
Acq: 13 Nov 2018 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.6
145	30.7	15.2	45.5

