

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004148.D
 Acq On : 23 Jul 2018 19:57
 Operator : SY/AP
 Sample : J4026-06MS
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	146376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	69445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65057	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
35) Dibromofluoromethane	7.88	113	54322	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
50) Toluene-d8	10.33	98	213217	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.62	95	69616	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	16143	27.288	ug/l	93
3) Chloromethane	2.20	50	41198	52.909	ug/l	98
4) Vinyl Chloride	2.35	62	58786	54.887	ug/l	97
5) Bromomethane	2.77	94	29956	44.749	ug/l	94
6) Chloroethane	2.92	64	29954	49.224	ug/l	99
7) Trichlorofluoromethane	3.25	101	48277	107.368	ug/l	100
8) Diethyl Ether	3.67	74	29695	56.895	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	56742	54.688	ug/l	98
10) Methyl Iodide	4.25	142	77612	52.082	ug/l	99
11) Tert butyl alcohol	5.18	59	25888	318.474	ug/l	99
12) 1,1-Dichloroethene	4.02	96	53612	52.367	ug/l	98
13) Acrolein	3.89	56	13910	166.541	ug/l	100
14) Allyl chloride	4.66	41	88912	52.615	ug/l	97
15) Acrylonitrile	5.36	53	81775	305.762	ug/l	100
16) Acetone	4.12	43	93151	329.204	ug/l	98
17) Carbon Disulfide	4.35	76	183970	57.571	ug/l	100
18) Methyl Acetate	4.67	43	70092	103.196	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	121896	62.126	ug/l	98
20) Methylene Chloride	4.90	84	66036	53.393	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	59702	53.200	ug/l	95
22) Diisopropyl ether	6.31	45	191564	56.091	ug/l	99
23) Vinyl Acetate	6.26	43	280844	129.783	ug/l	99
24) 1,1-Dichloroethane	6.21	63	112955	54.204	ug/l	98
25) 2-Butanone	7.18	43	117229	307.865	ug/l	100
26) 2,2-Dichloropropane	7.17	77	75912	63.461	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	61144	50.402	ug/l	99
28) Bromochloromethane	7.51	49	44213	51.844	ug/l	96
29) Tetrahydrofuran	7.53	42	75243	317.230	ug/l	97
30) Chloroform	7.68	83	112857	54.447	ug/l	98
31) Cyclohexane	7.95	56	96546	49.424	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	98212	60.676	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88207	54.575	ug/l	100
37) Ethyl Acetate	7.26	43	46221	59.289	ug/l	99
38) Carbon Tetrachloride	8.07	117	84435	55.910	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	80657	42.611	ug/l	95
40) Benzene	8.32	78	250556	55.877	ug/l	99
41) Methacrylonitrile	7.49	41	28446	65.853	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	78693	57.524	ug/l	99
43) Isopropyl Acetate	8.43	43	87299	59.873	ug/l	98
44) Trichloroethene	9.09	130	62910	54.123	ug/l	99
45) 1,2-Dichloropropane	9.37	63	64458	56.321	ug/l	99
46) Dibromomethane	9.46	93	34992	58.921	ug/l	99
47) Bromodichloromethane	9.65	83	80764	55.165	ug/l	97
48) Methyl methacrylate	9.44	41	43601	61.831	ug/l	98
49) 1,4-Dioxane	9.45	88	12048	1319.782	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	256931	330.749	ug/l	98
52) Toluene	10.39	92	151331	54.576	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	80132	52.341	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	88780	50.692	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	50347	60.278	ug/l	97
56) Ethyl methacrylate	10.65	69	58665	49.157	ug/l	97
57) 1,3-Dichloropropane	10.93	76	85615	58.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	147008	296.688	ug/l	99
59) 2-Hexanone	10.98	43	180804	330.230	ug/l	98
60) Dibromochloromethane	11.13	129	53602	55.107	ug/l	100
61) 1,2-Dibromoethane	11.24	107	47503	59.771	ug/l	98
64) Tetrachloroethene	10.87	164	65030	64.748	ug/l	98
65) Chlorobenzene	11.66	112	157546	50.617	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57890	53.522	ug/l	99
67) Ethyl Benzene	11.74	91	273399	50.003	ug/l	99
68) m/p-Xylenes	11.85	106	211235	101.080	ug/l	99
69) o-Xylene	12.17	106	95790	49.414	ug/l	96
70) Styrene	12.19	104	162260	50.113	ug/l	100
71) Bromoform	12.35	173	34611	56.676	ug/l #	98
73) Isopropylbenzene	12.47	105	254227	51.808	ug/l	100
74) N-amyl acetate	12.28	43	53899	42.154	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	62770	66.143	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	78053	113.214	ug/l #	100
77) Bromobenzene	12.75	156	64767	55.158	ug/l	97
78) n-propylbenzene	12.81	91	307025	50.999	ug/l	100
79) 2-Chlorotoluene	12.90	91	178848	52.673	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	209459	50.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15919	51.075	ug/l	95
82) 4-Chlorotoluene	12.99	91	190984	52.413	ug/l	100
83) tert-Butylbenzene	13.21	119	168055	48.472	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	214653	50.522	ug/l	98
85) sec-Butylbenzene	13.39	105	238257	46.315	ug/l	100
86) p-Isopropyltoluene	13.51	119	211337	46.836	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	118616	50.578	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	117262	49.857	ug/l	100
89) n-Butylbenzene	13.83	91	181425	40.900	ug/l	99
90) Hexachloroethane	14.10	117	37598	45.202	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	111285	53.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11016	65.279	ug/l	99

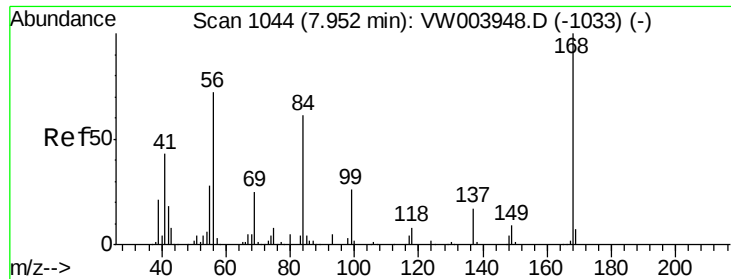
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	60017	40.898	ug/l	97
94) Hexachlorobutadiene	15.24	225	24074	28.568	ug/l	98
95) Naphthalene	15.38	128	151885	56.075	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	56499	43.485	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

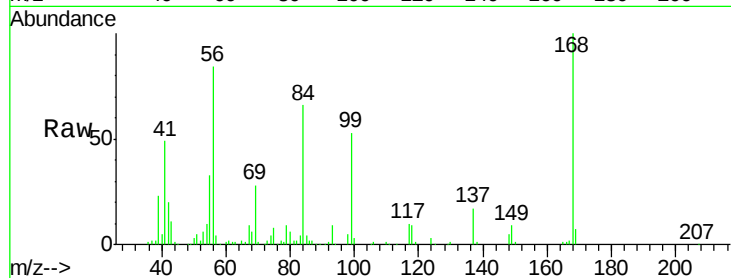
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 105343

Ion Ratio Lower Upper

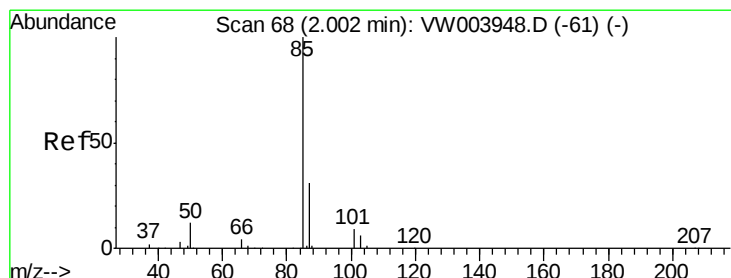
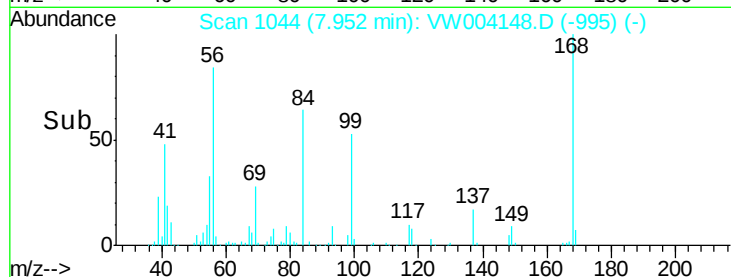
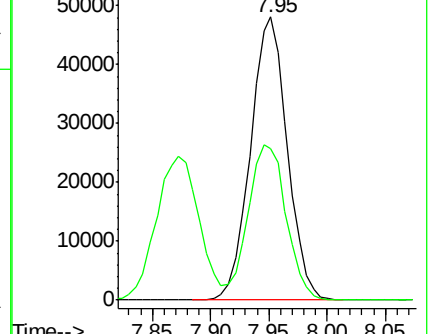
168 100

99 53.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 27.288 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004148.D

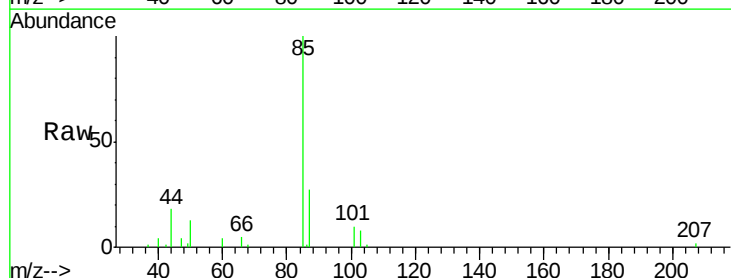
Acq: 23 Jul 2018 19:57

Tgt Ion: 85 Resp: 16143

Ion Ratio Lower Upper

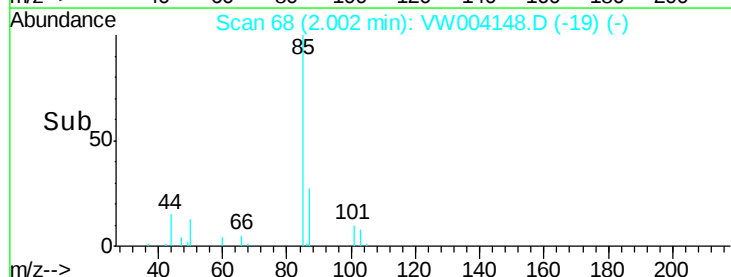
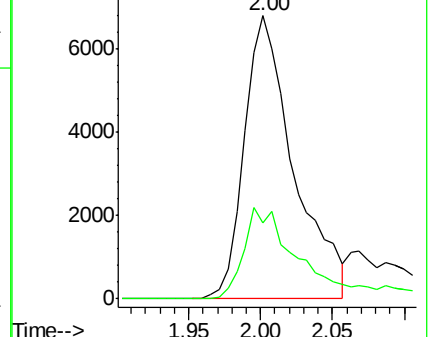
85 100

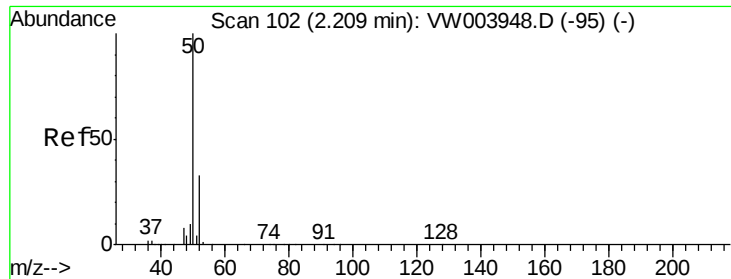
87 26.8 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.909 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

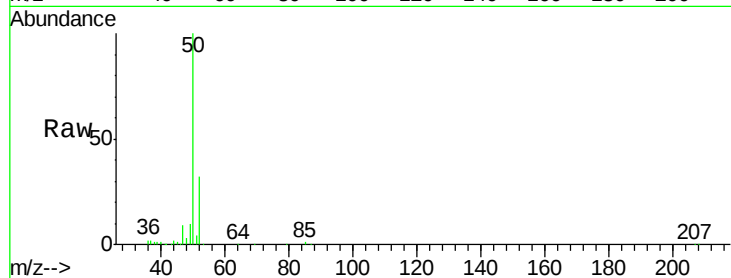
ClientSampleId :

Tot Ion: 50 Resp: 41198

Ion Ratio Lower Upper

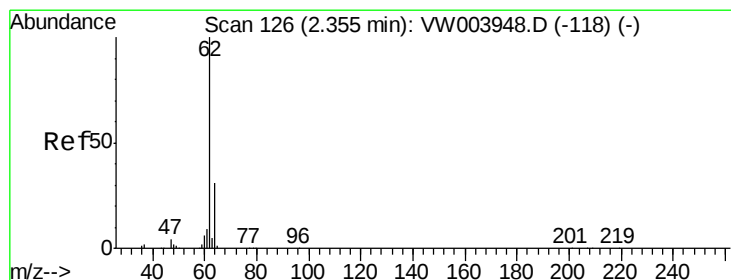
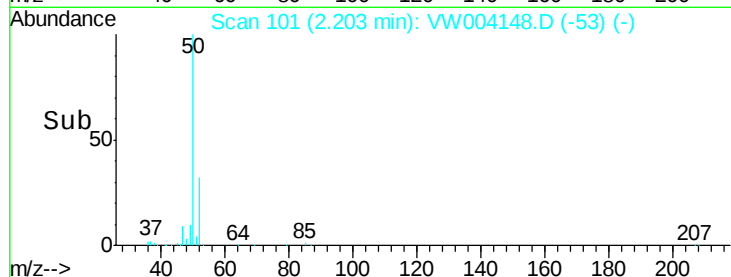
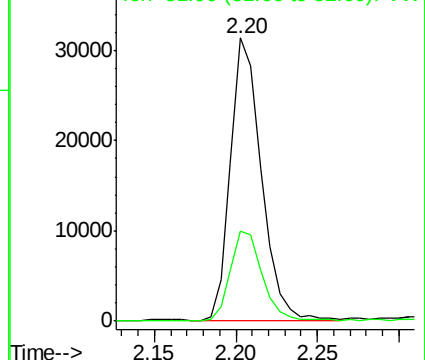
50 100

52 31.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 54.887 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW004148.D

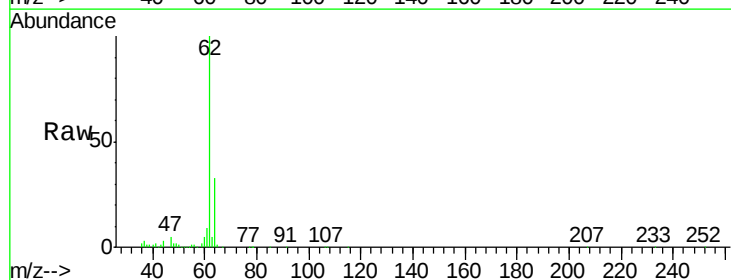
Acq: 23 Jul 2018 19:57

Tgt Ion: 62 Resp: 58786

Ion Ratio Lower Upper

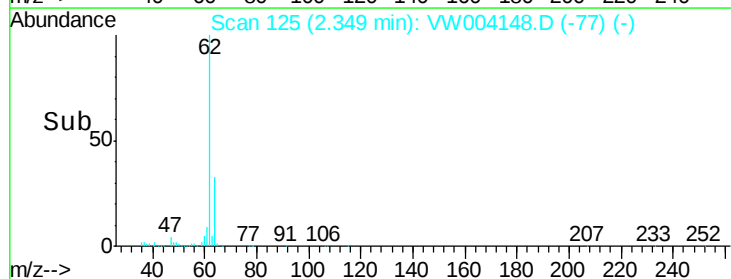
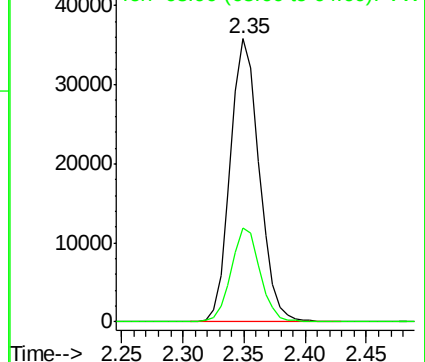
62 100

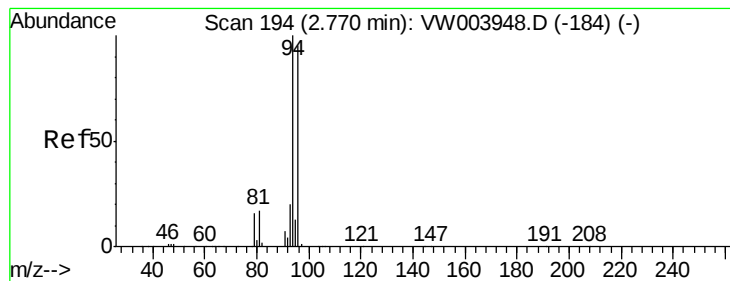
64 33.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 44.749 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

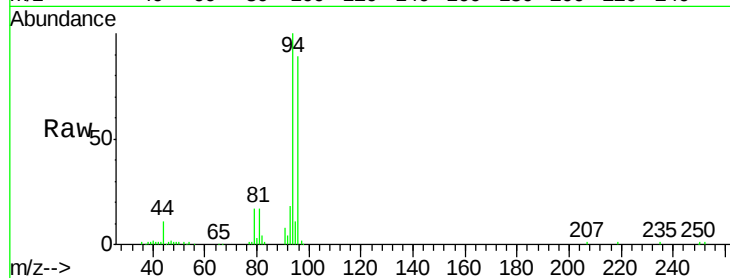
ClientSampled :

Tot Ion: 94 Resp: 29956

Ion Ratio Lower Upper

94 100

96 89.1 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

15000

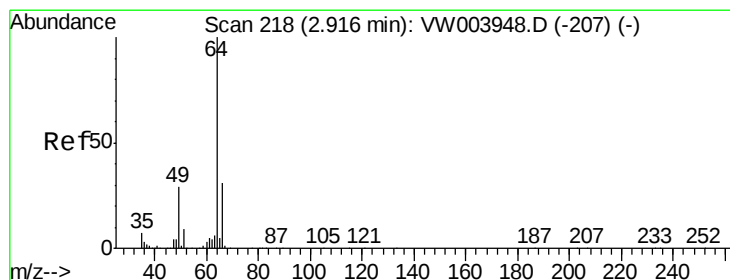
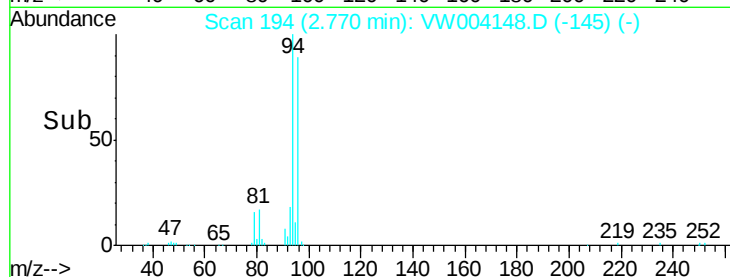
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 49.224 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW004148.D

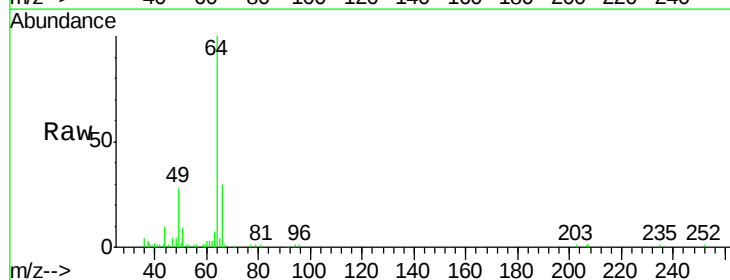
Acq: 23 Jul 2018 19:57

Tgt Ion: 64 Resp: 29954

Ion Ratio Lower Upper

64 100

66 30.2 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

15000

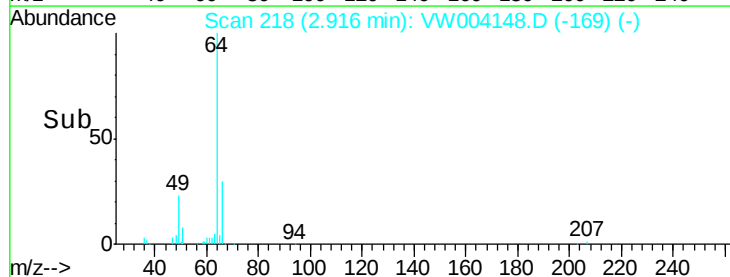
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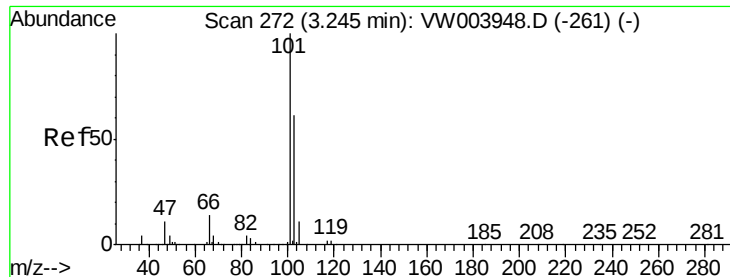
5000

0

Time-->

2.80 2.90 3.00



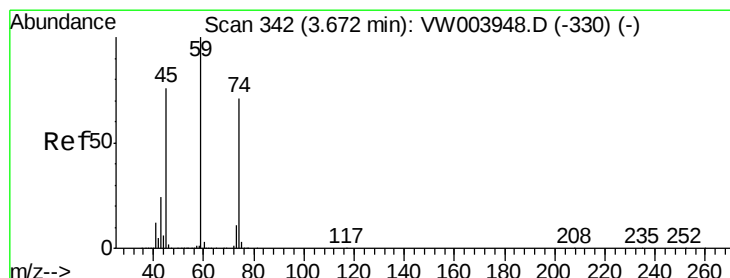
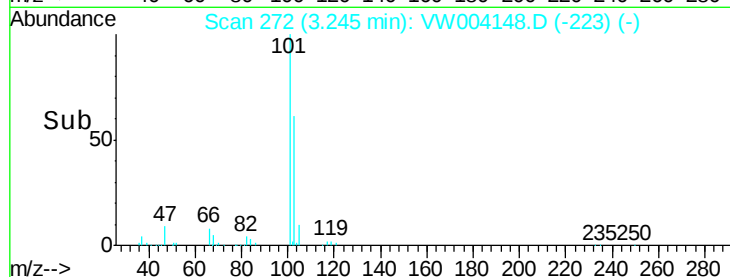
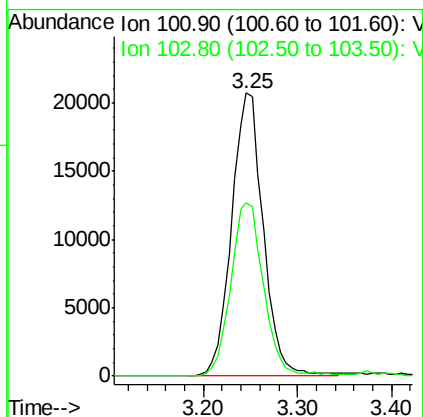
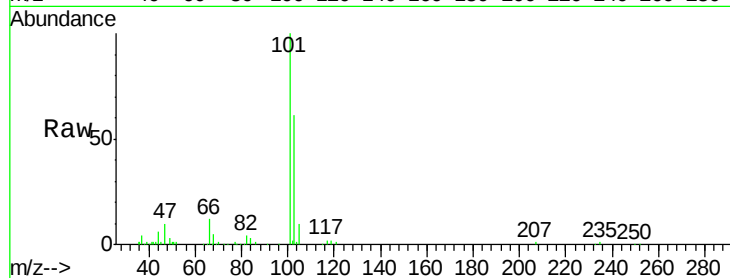


#7

Trichlorofluoromethane
 Concen: 107.368 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Instrument :
 MSVOA_W
 ClientSampleId :

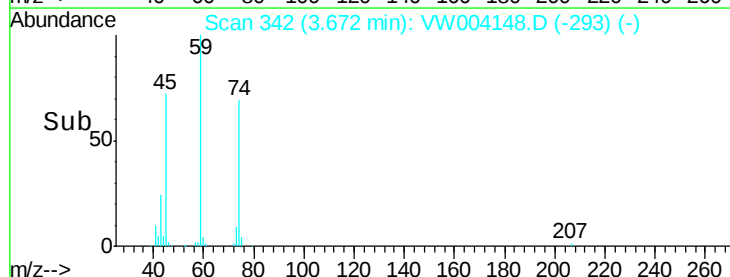
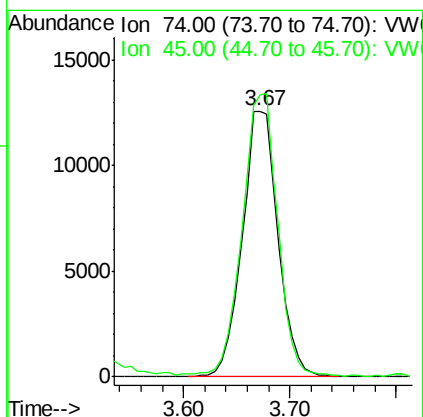
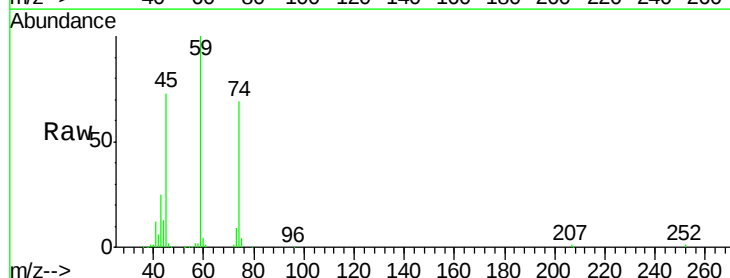
Tot Ion:101 Resp: 48277
 Ion Ratio Lower Upper
 101 100
 103 61.2 49.0 73.6

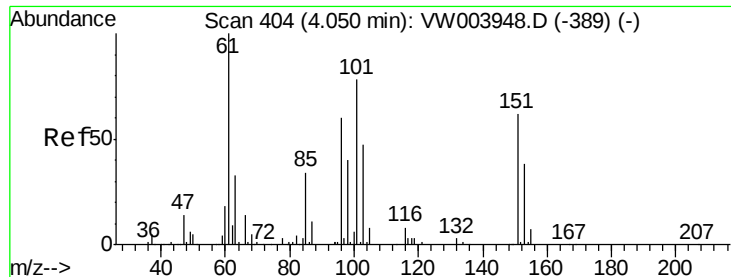


#8

Diethyl Ether
 Concen: 56.895 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion: 74 Resp: 29695
 Ion Ratio Lower Upper
 74 100
 45 106.6 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.688 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

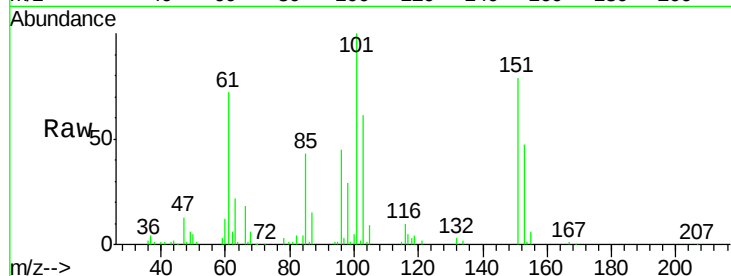
Tot Ion:101 Resp: 56742

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.6

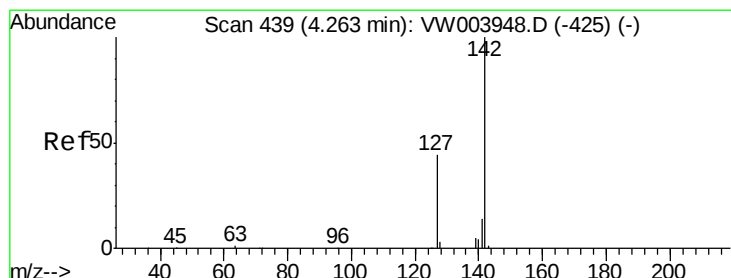
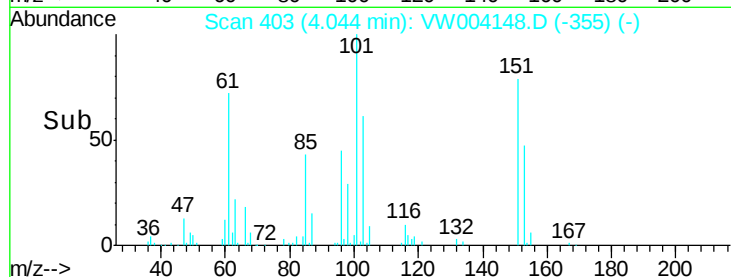
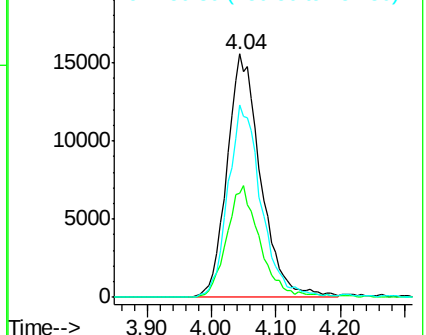
151 77.7 63.6 95.4



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: 52.082 ug/l

RT: 4.25 min Scan# 437

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

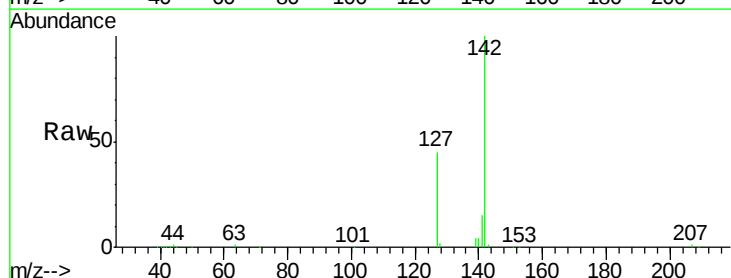
Tgt Ion:142 Resp: 77612

Ion Ratio Lower Upper

142 100

127 45.0 35.4 53.2

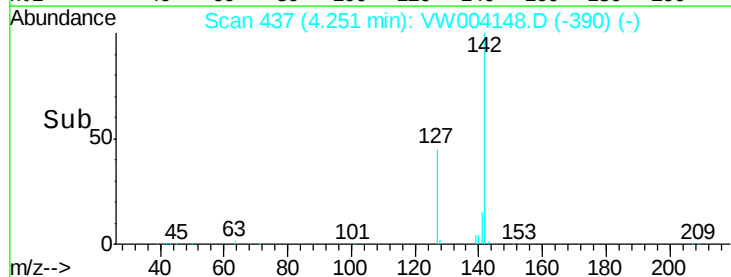
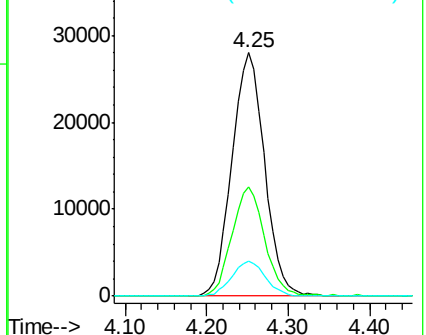
141 14.8 11.7 17.5

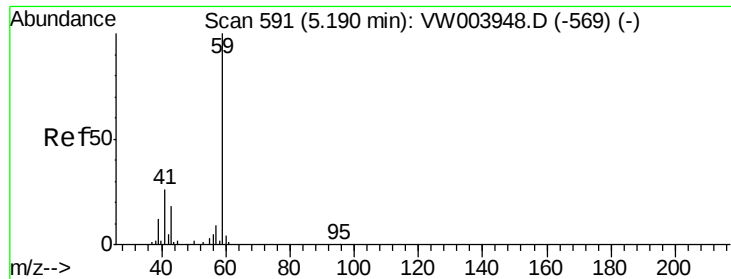


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

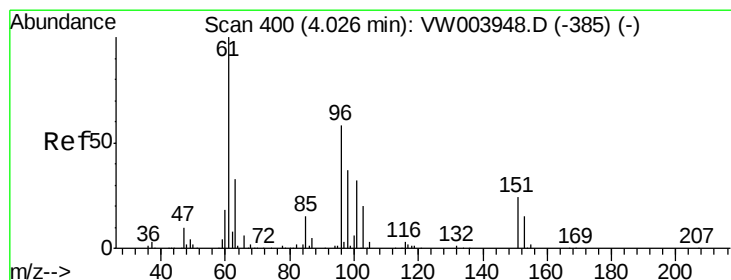
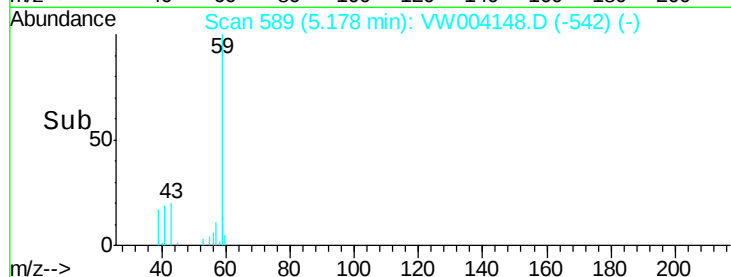
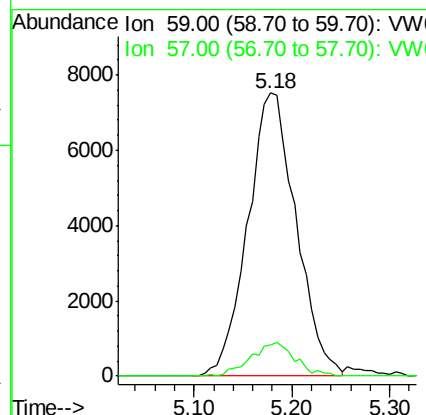
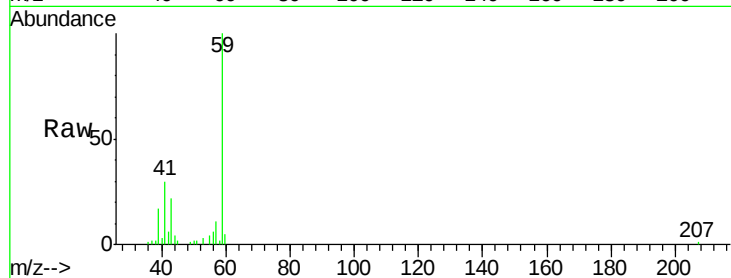




#11
Tert butyl alcohol
Concen: 318.474 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.01 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

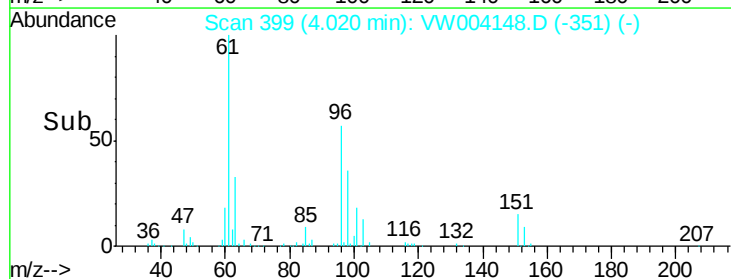
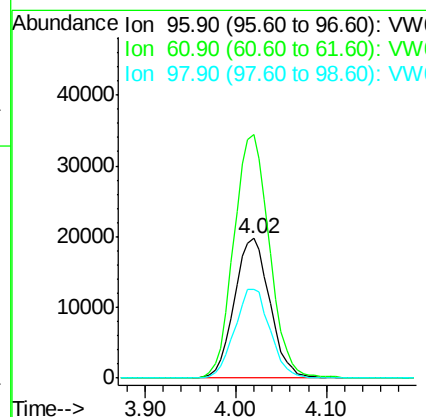
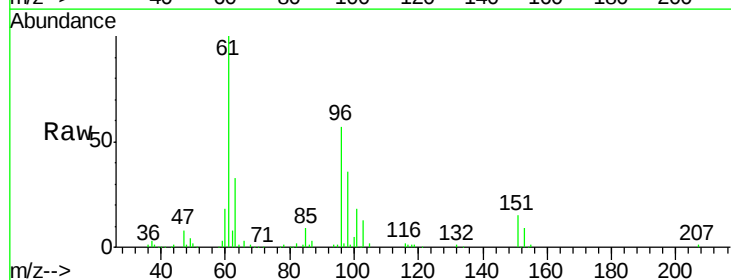
Instrument :
MSVOA_W
ClientSampled :

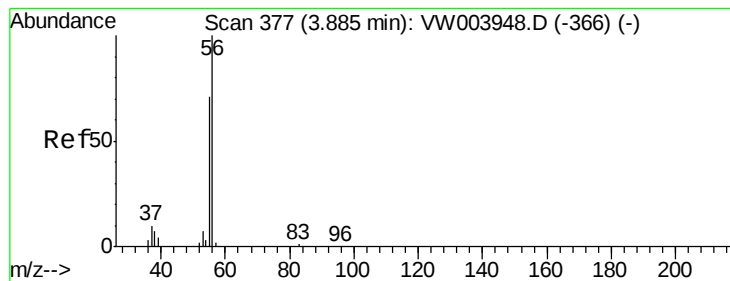
Tot Ion: 59 Resp: 25888
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7



#12
1,1-Dichloroethene
Concen: 52.367 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.01 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 96 Resp: 53612
Ion Ratio Lower Upper
96 100
61 174.7 137.0 205.6
98 63.6 50.2 75.4





#13

Acrolein

Concen: 166.541 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

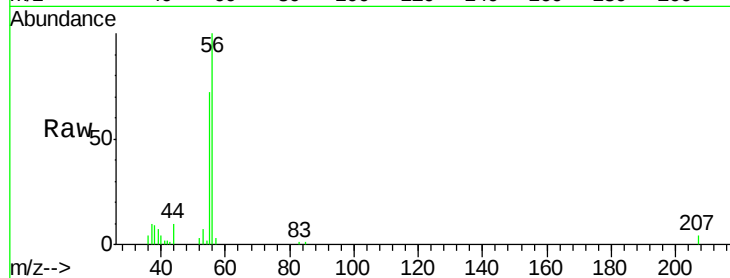
ClientSampleId :

Tot Ion: 56 Resp: 13910

Ion Ratio Lower Upper

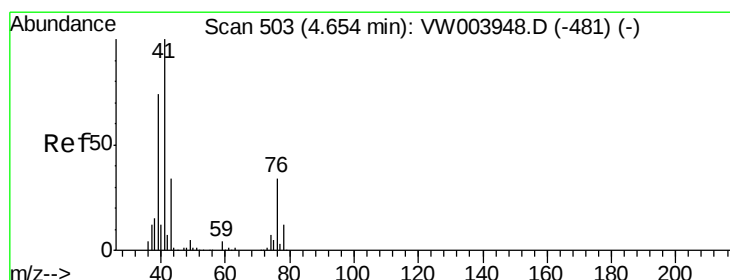
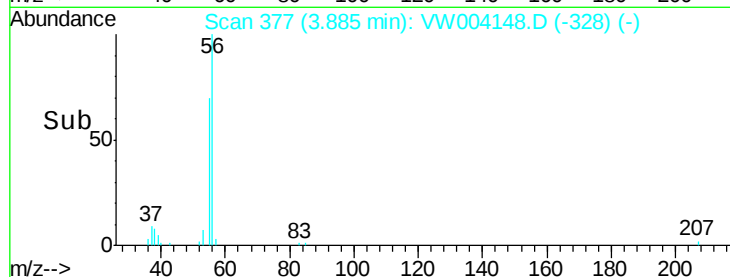
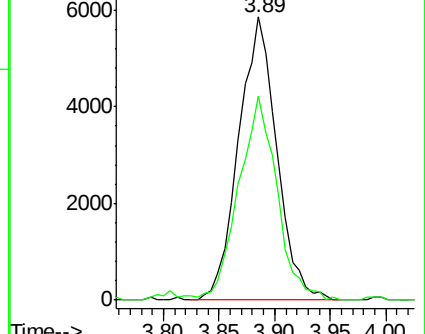
56 100

55 72.7 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 52.615 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

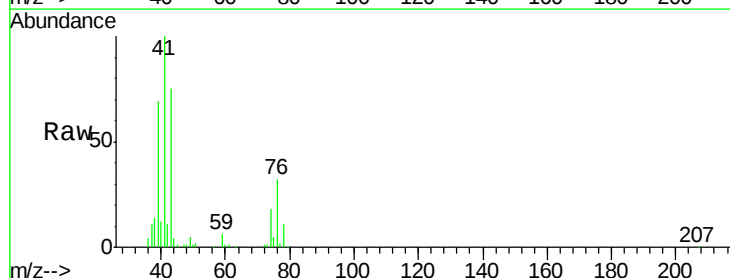
Tgt Ion: 41 Resp: 88912

Ion Ratio Lower Upper

41 100

39 68.1 57.0 85.4

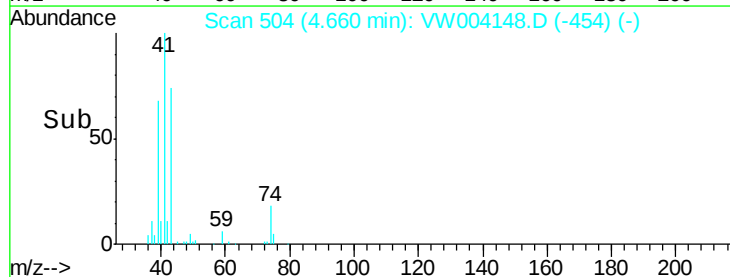
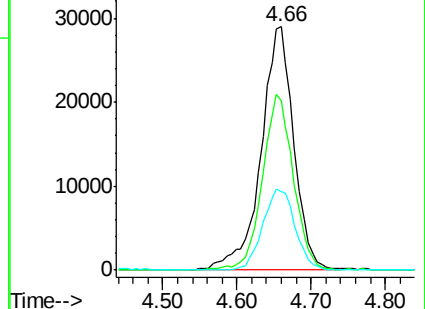
76 32.9 26.5 39.7

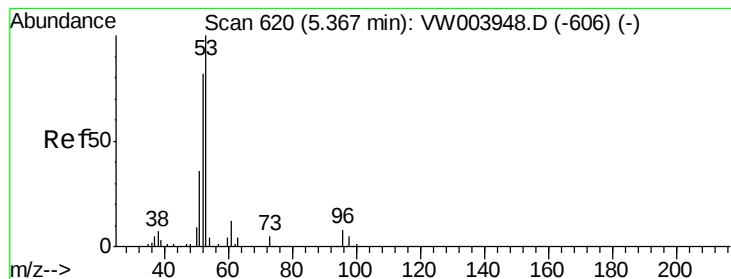


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 305.762 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

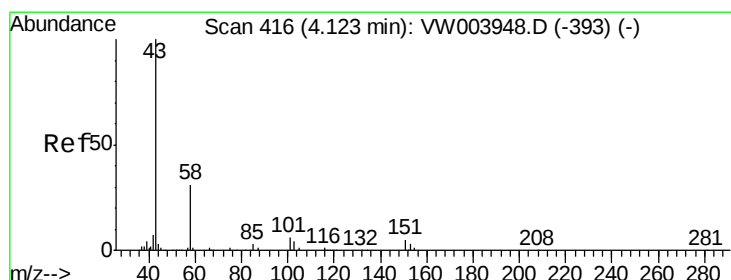
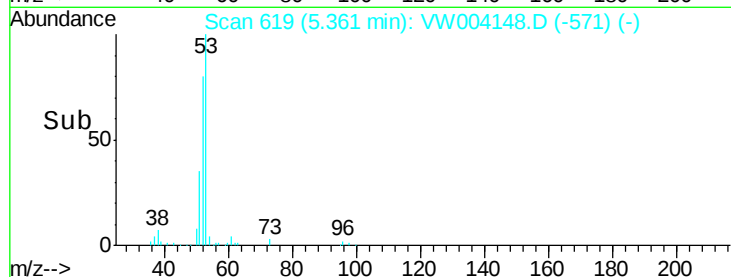
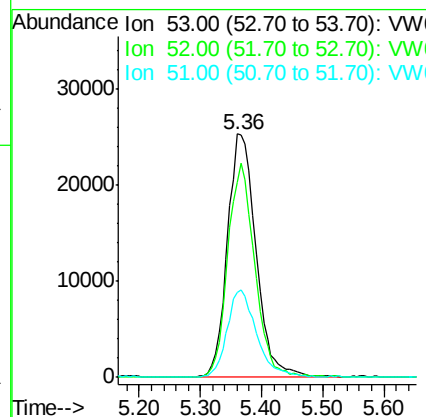
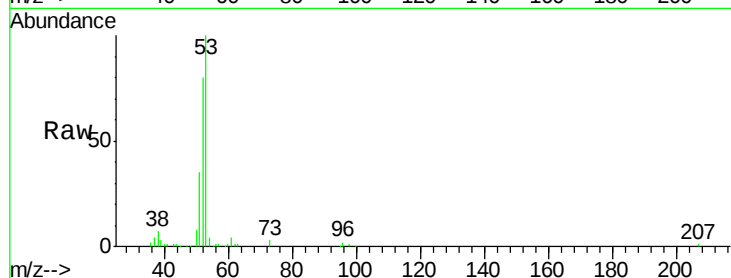
Tot Ion: 53 Resp: 81775

Ion Ratio Lower Upper

53 100

52 82.7 66.1 99.1

51 37.3 29.8 44.6



#16

Acetone

Concen: 329.204 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004148.D

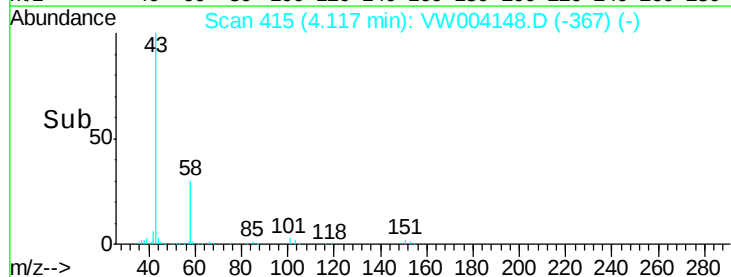
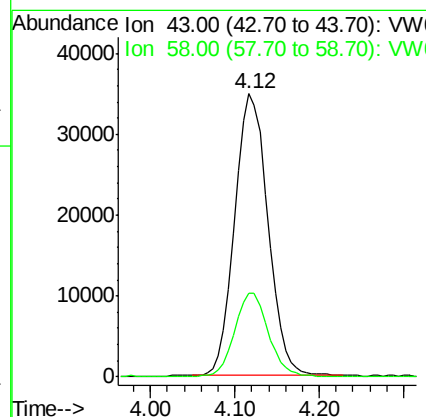
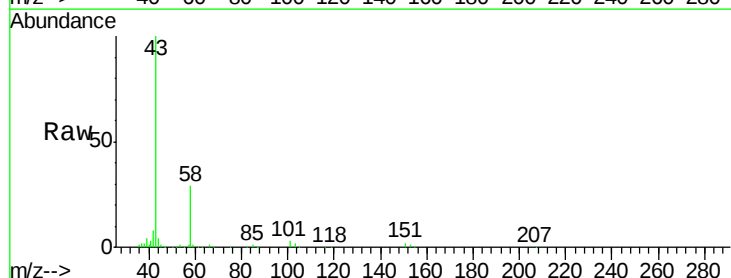
Acq: 23 Jul 2018 19:57

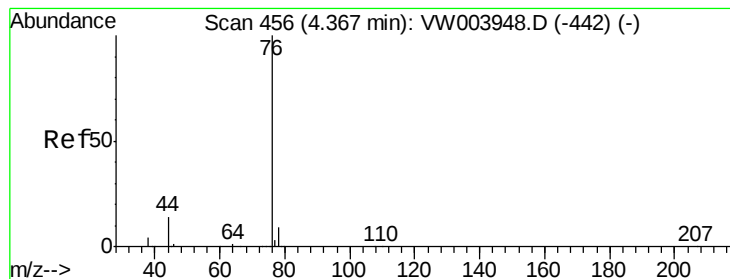
Tgt Ion: 43 Resp: 93151

Ion Ratio Lower Upper

43 100

58 29.6 24.5 36.7





#17

Carbon Disulfide

Concen: 57.571 ug/l

RT: 4.35 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

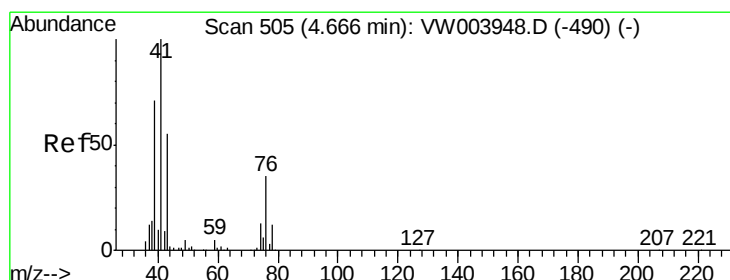
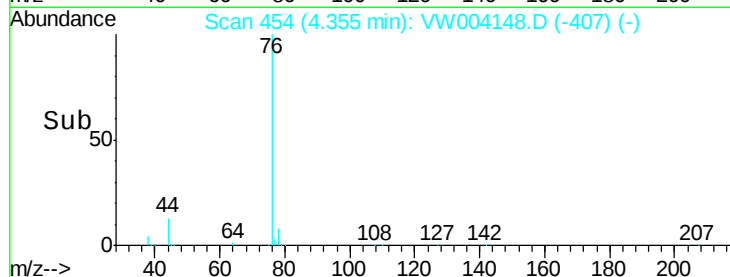
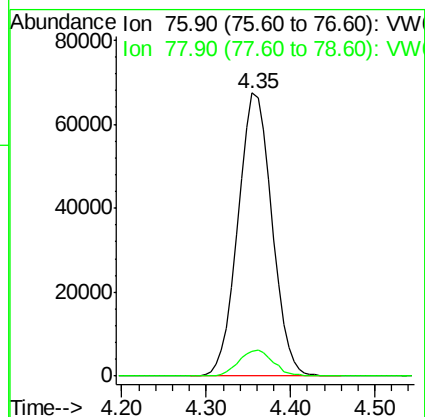
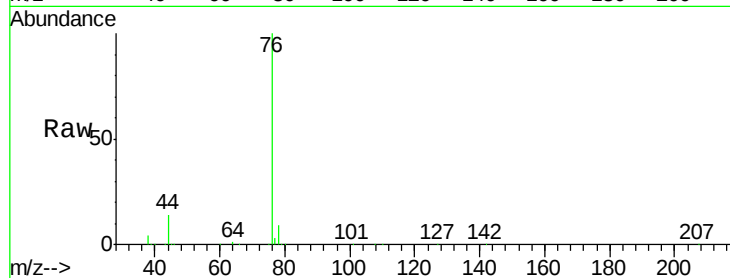
ClientSampleId :

Tot Ion: 76 Resp: 183970

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 103.196 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004148.D

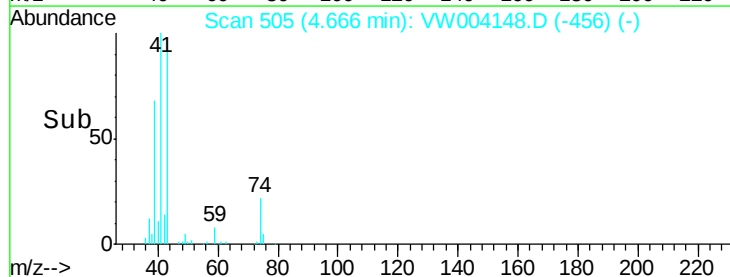
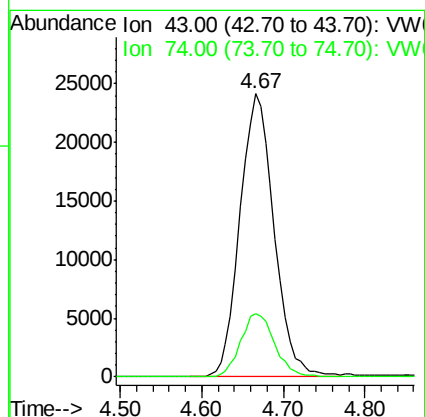
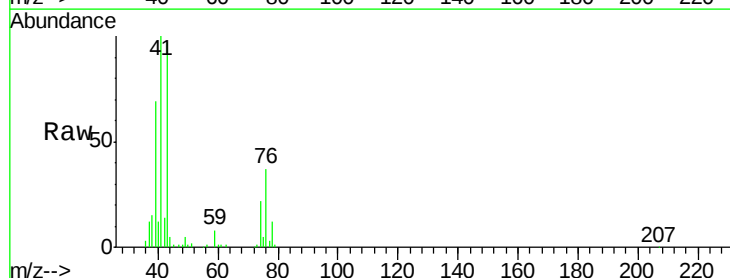
Acq: 23 Jul 2018 19:57

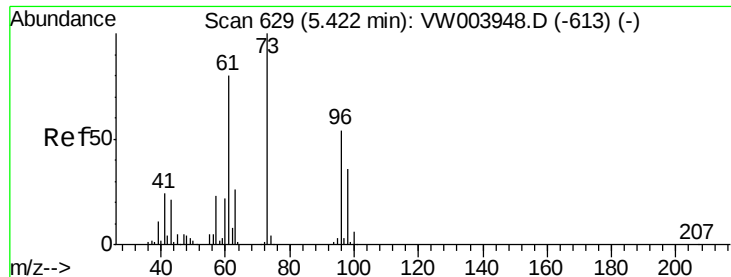
Tgt Ion: 43 Resp: 70092

Ion Ratio Lower Upper

43 100

74 22.2 17.7 26.5

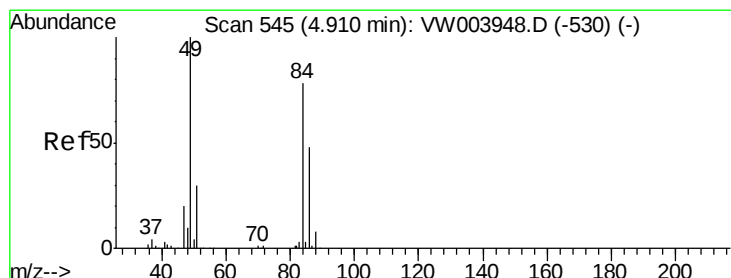
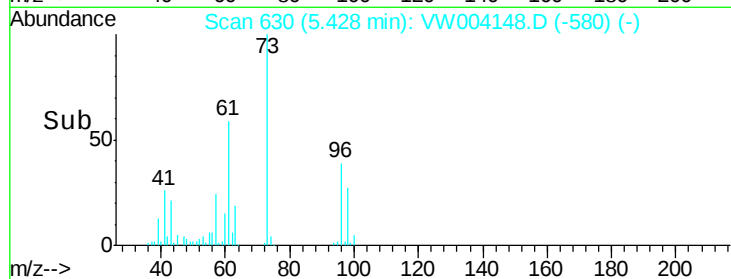
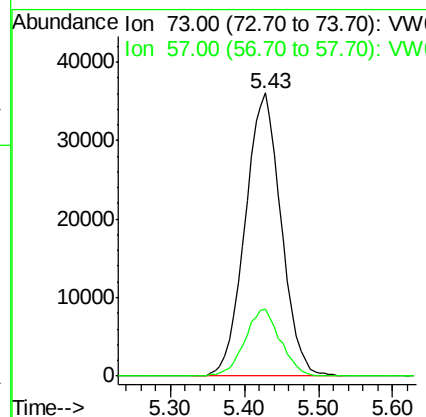
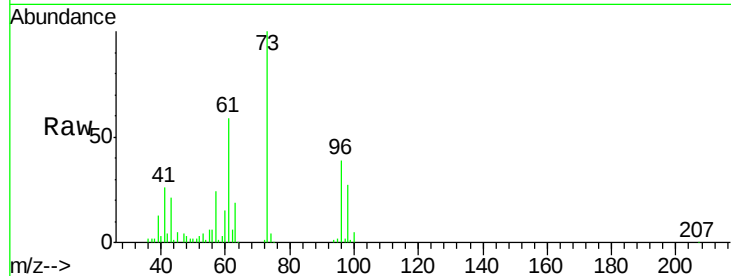




#19
Methvl tert-butvl Ether
Concen: 62.126 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

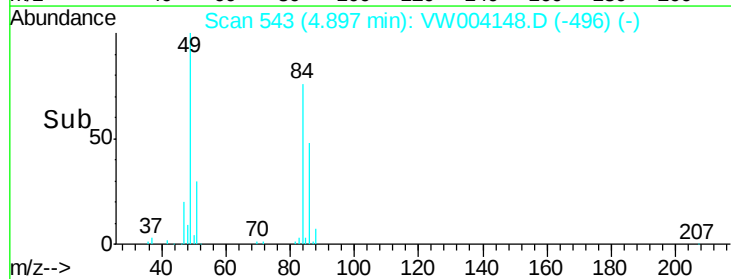
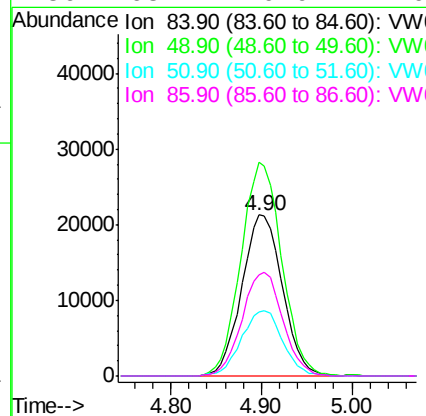
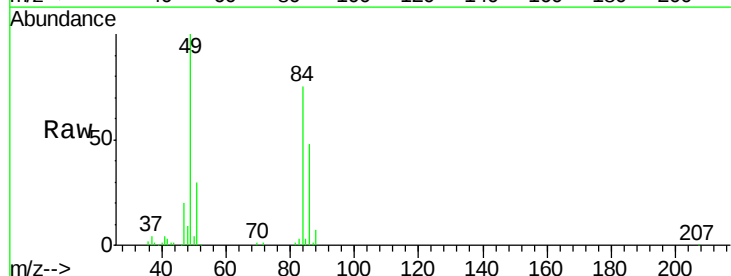
Instrument :
MSVOA_W
ClientSampleId :

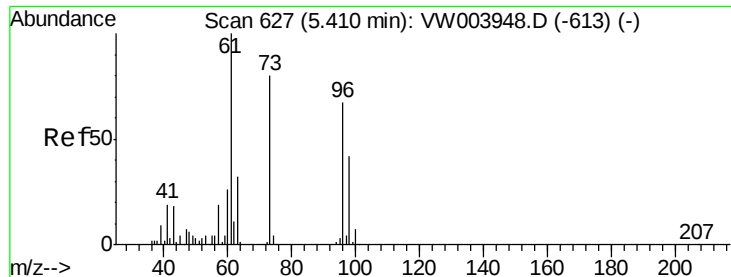
Tot Ion: 73 Resp: 121896
Ion Ratio Lower Upper
73 100
57 23.7 18.2 27.4



#20
Methylene Chloride
Concen: 53.393 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 84 Resp: 66036
Ion Ratio Lower Upper
84 100
49 132.9 102.9 154.3
51 39.4 30.9 46.3
86 63.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.200 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampled :

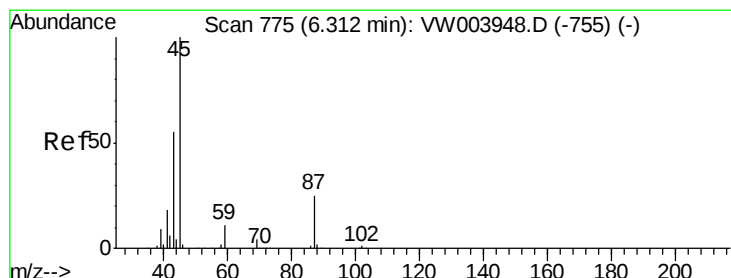
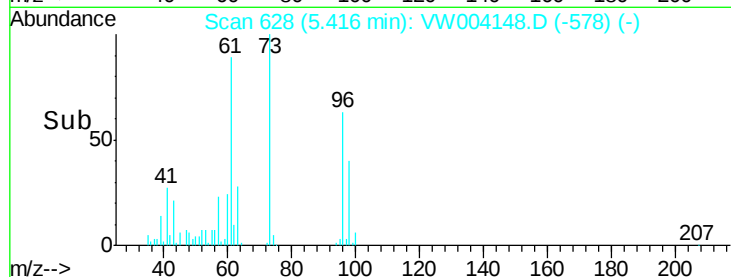
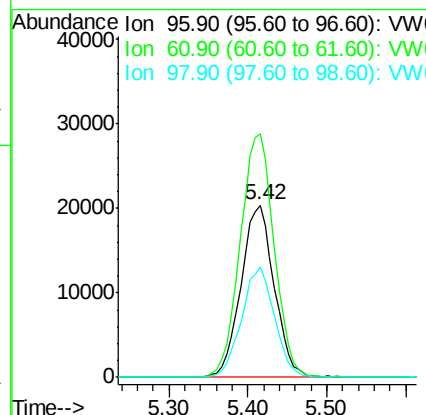
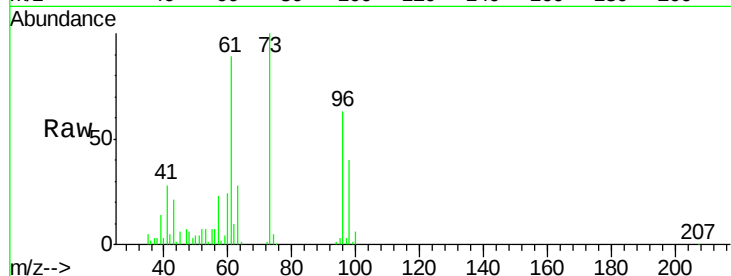
Tot Ion: 96 Resp: 59702

Ion Ratio Lower Upper

96 100

61 141.3 119.0 178.4

98 64.2 49.9 74.9



#22

Diisopropyl ether

Concen: 56.091 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Tgt Ion: 45 Resp: 191564

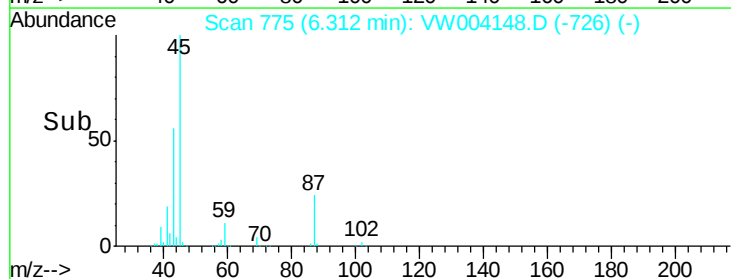
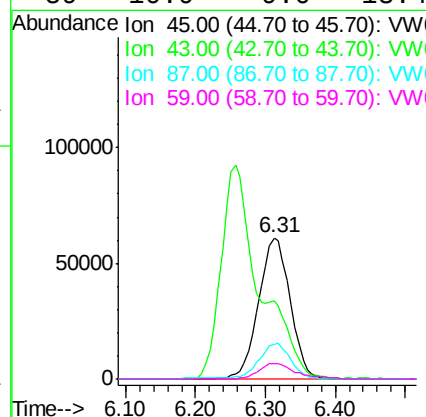
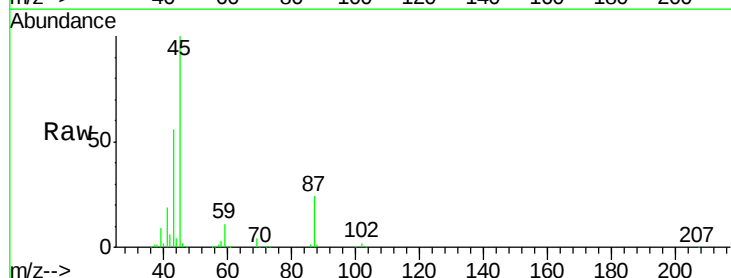
Ion Ratio Lower Upper

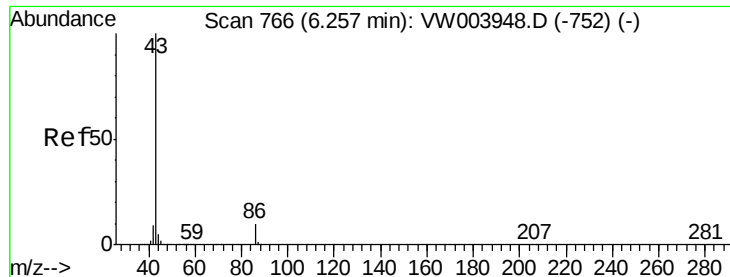
45 100

43 55.3 44.3 66.5

87 24.3 20.2 30.4

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 129.783 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

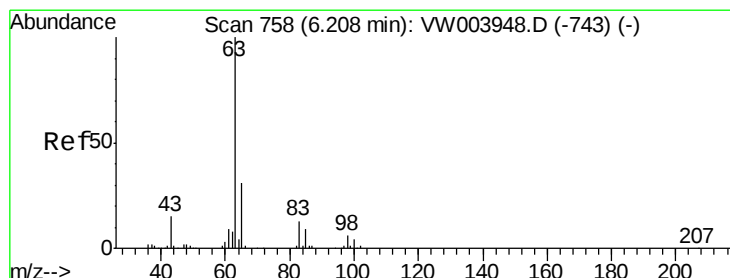
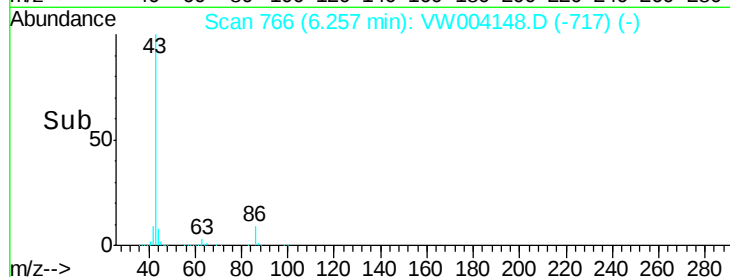
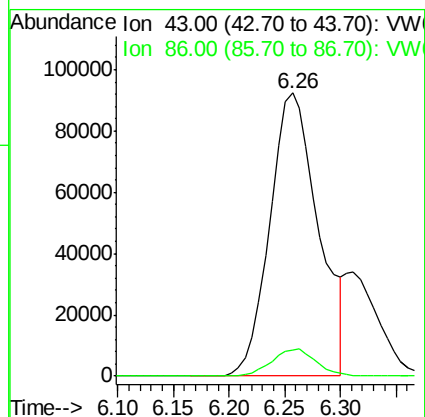
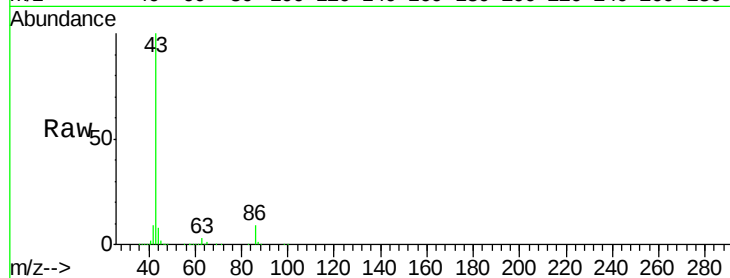
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 280844

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



#24

1,1-Dichloroethane

Concen: 54.204 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

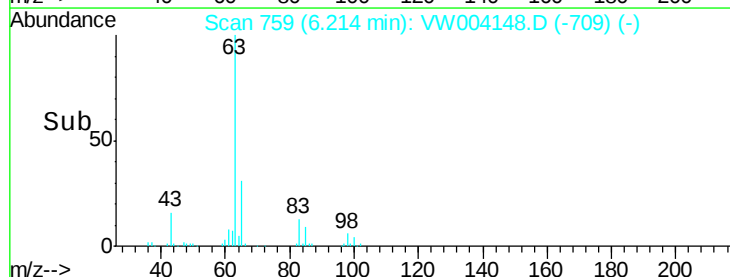
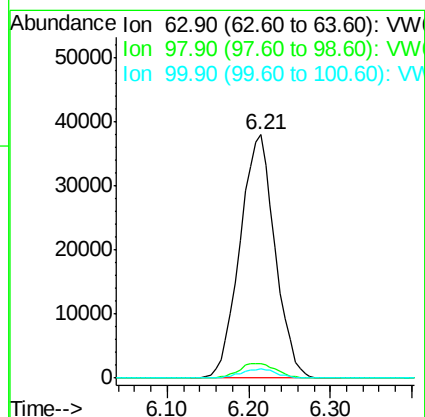
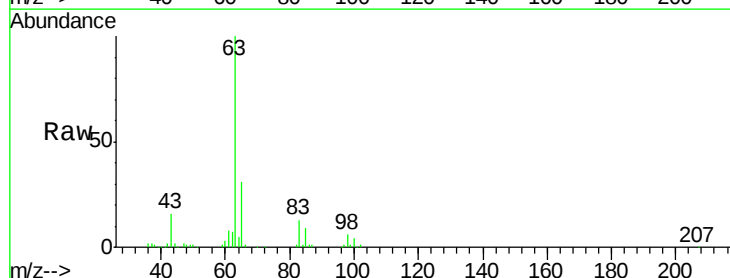
Tgt Ion: 63 Resp: 112955

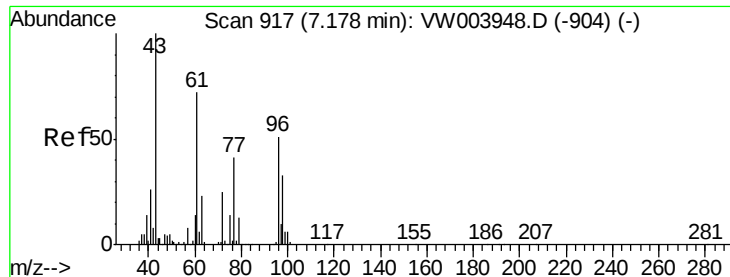
Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.4

100 3.7 2.1 6.5





#25

2-Butanone

Concen: 307.865 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

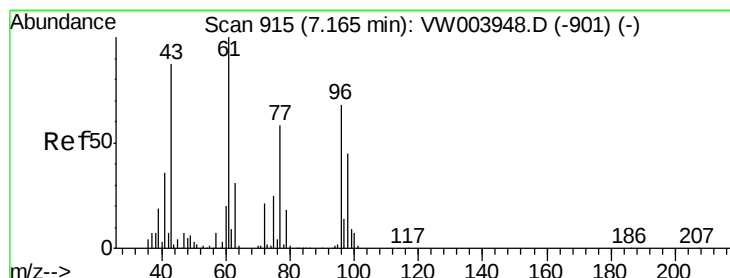
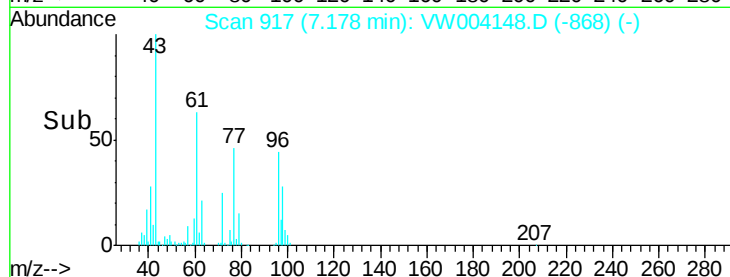
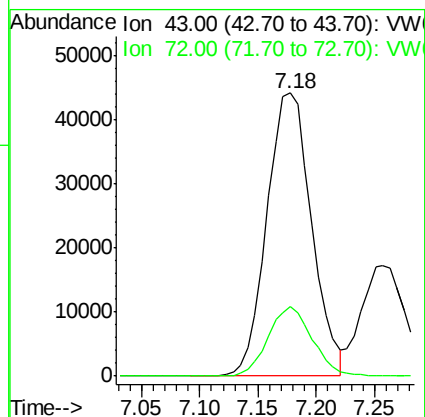
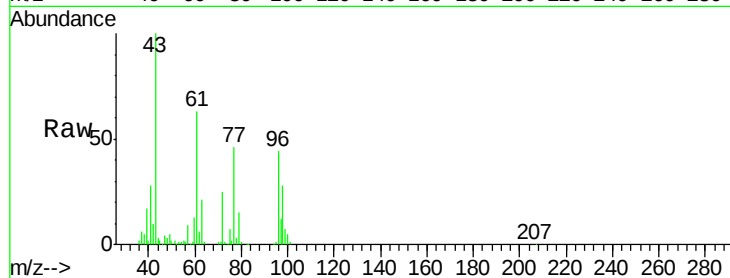
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 117229

Ion Ratio Lower Upper

43 100

72 24.7 19.8 29.6



#26

2,2-Dichloropropane

Concen: 63.461 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004148.D

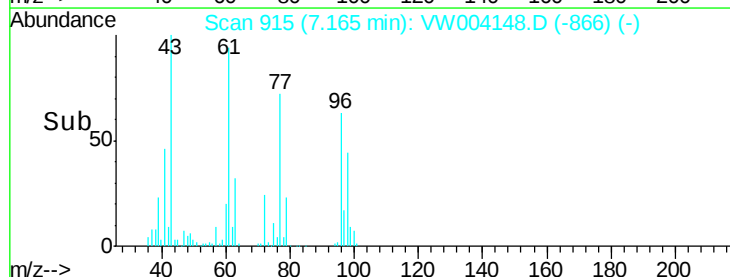
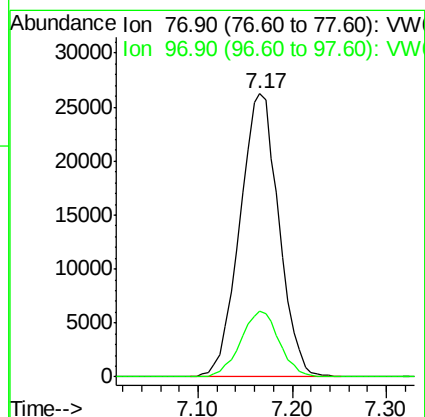
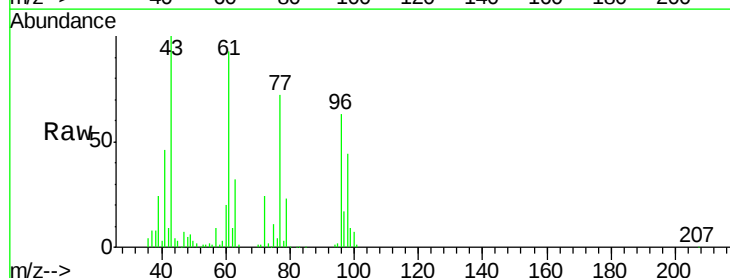
Acq: 23 Jul 2018 19:57

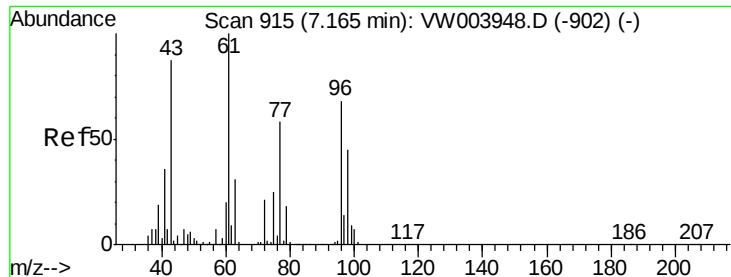
Tgt Ion: 77 Resp: 75912

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3



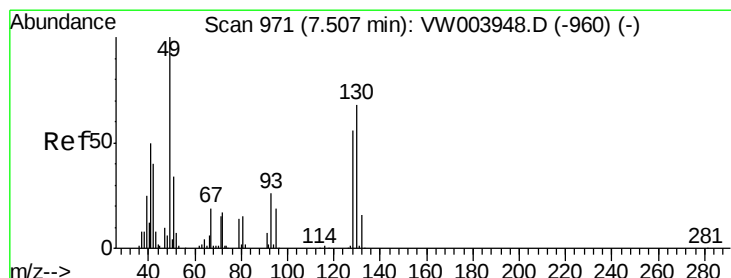
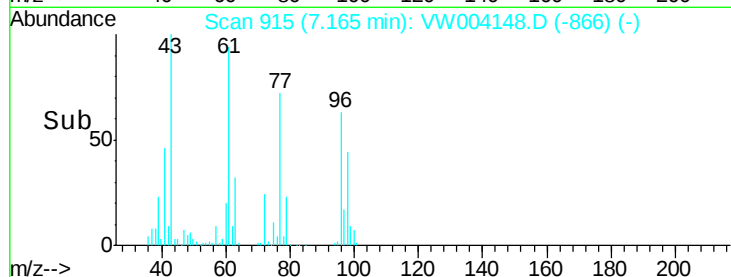
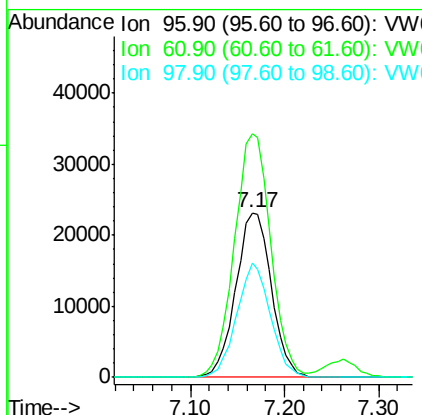
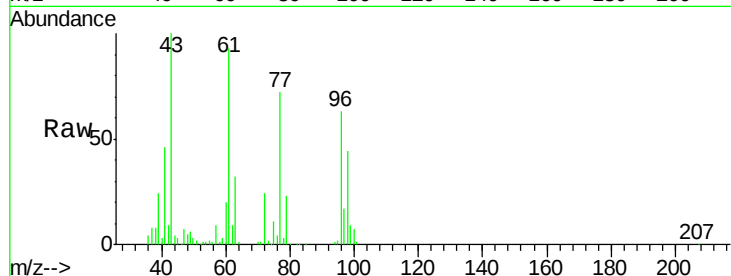


#27

cis-1,2-Dichloroethene
 Concen: 50.402 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Instrument :
 MSVOA_W
 ClientSampleId :

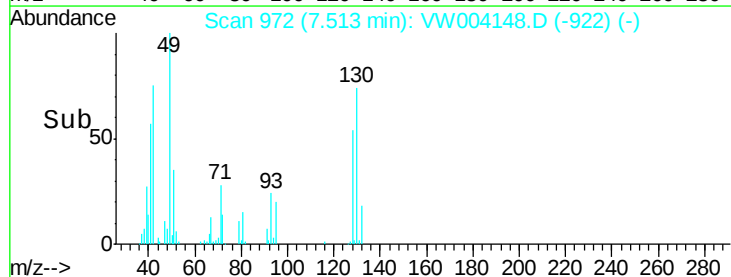
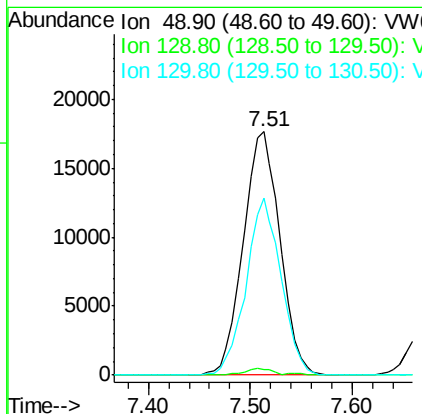
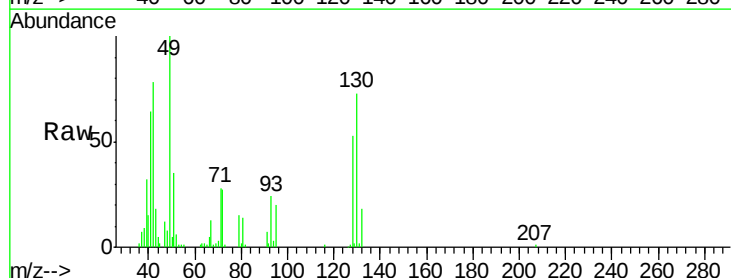
Tot Ion: 96 Resp: 61144
 Ion Ratio Lower Upper
 96 100
 61 151.6 0.0 298.6
 98 65.6 0.0 130.4

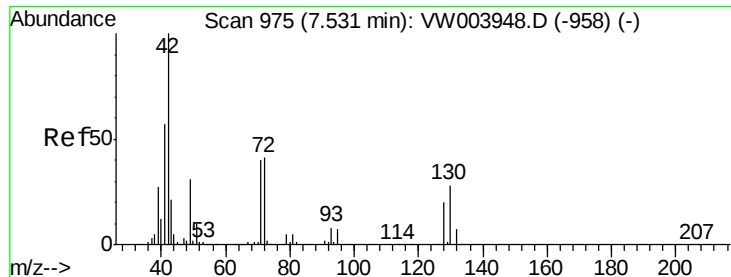


#28

Bromochloromethane
 Concen: 51.844 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion: 49 Resp: 44213
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 2.2
 130 69.3 58.3 87.5

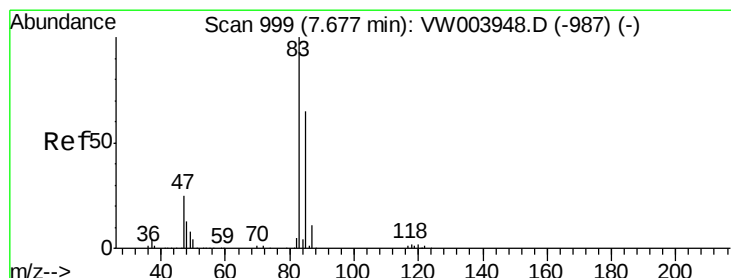
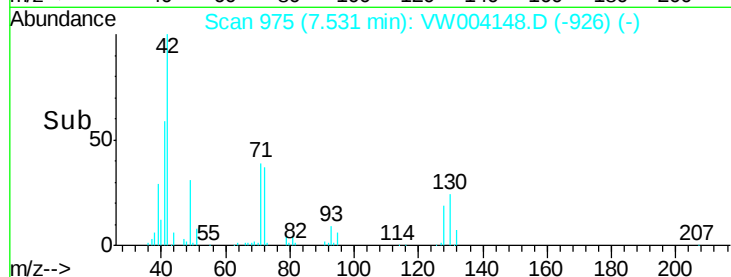
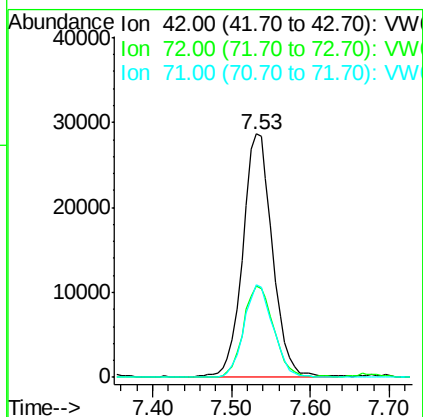
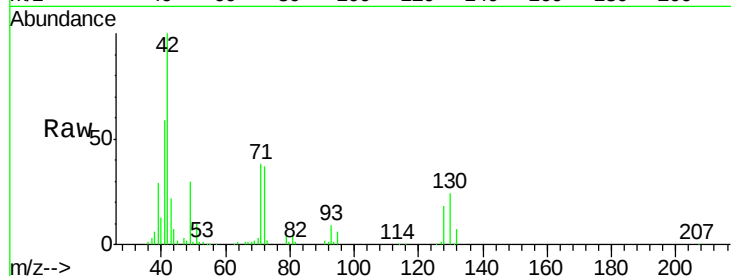




#29
Tetrahydrofuran
Concen: 317.230 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

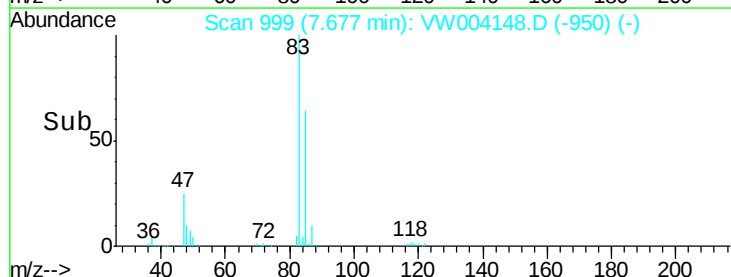
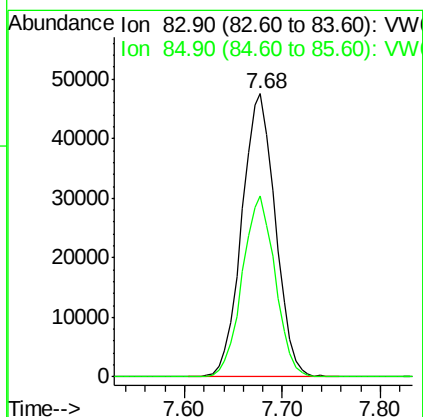
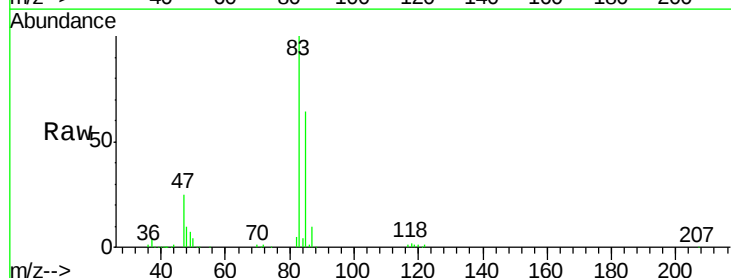
Instrument :
MSVOA_W
ClientSampled :

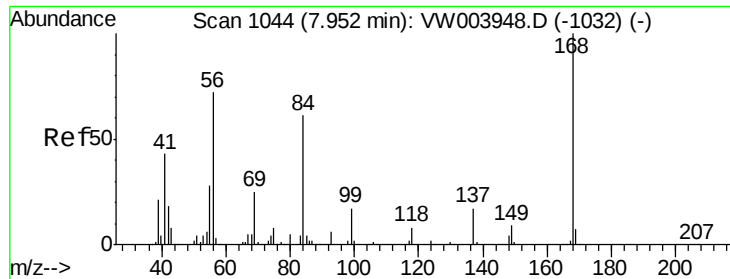
Tot Ion: 42 Resp: 75243
Ion Ratio Lower Upper
42 100
72 37.9 32.6 48.8
71 37.0 30.5 45.7



#30
Chloroform
Concen: 54.447 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 83 Resp: 112857
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.4

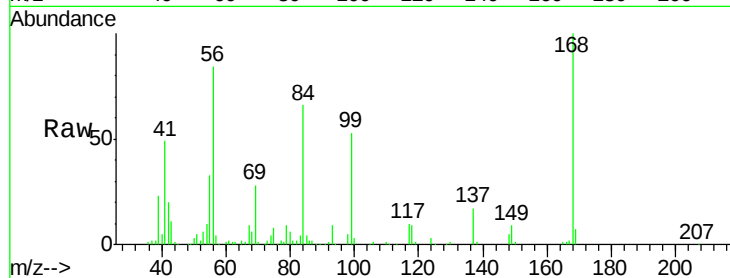




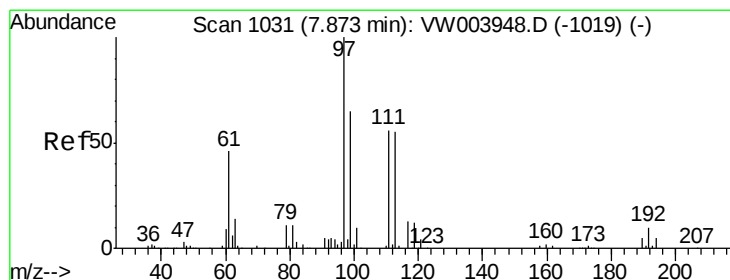
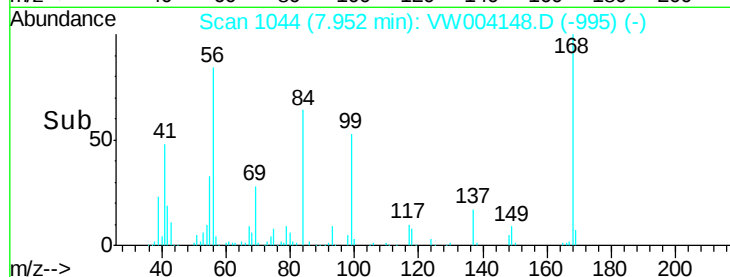
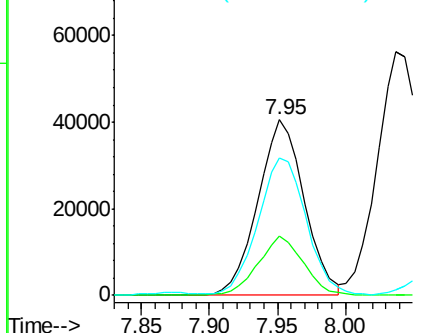
#31
Cyclohexane
Concen: 49.424 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 96546
Ion Ratio Lower Upper
56 100
69 33.5 27.8 41.8
84 77.4 67.2 100.8

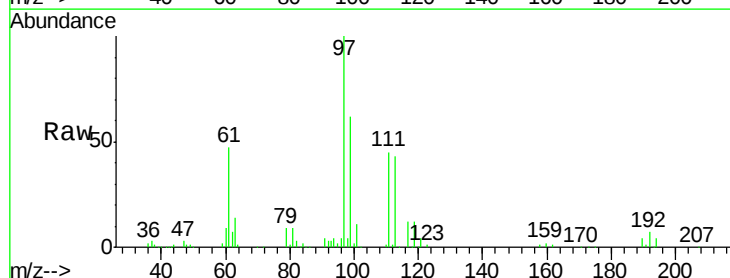


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

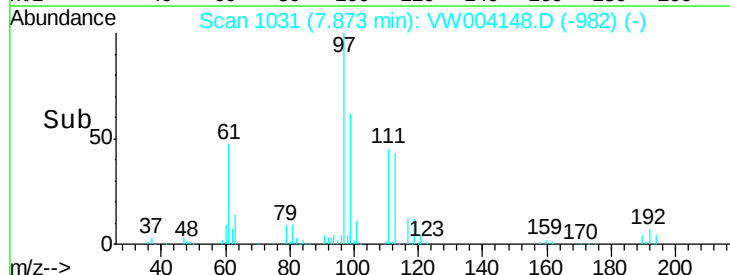
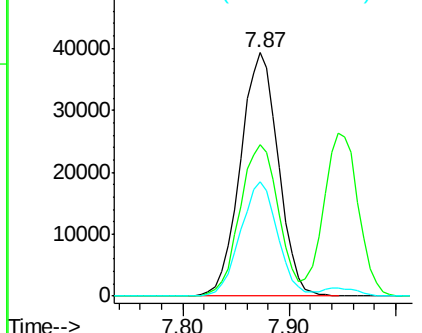


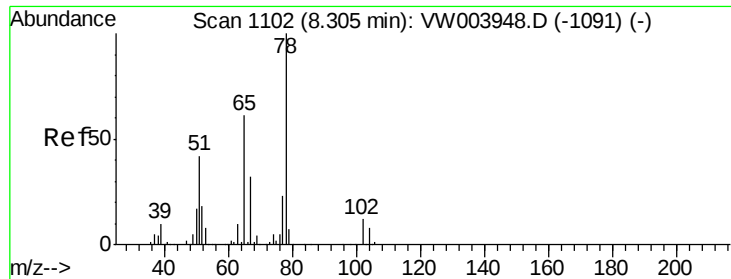
#32
1,1,1-Trichloroethane
Concen: 60.676 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 97 Resp: 98212
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 46.2 36.8 55.2



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

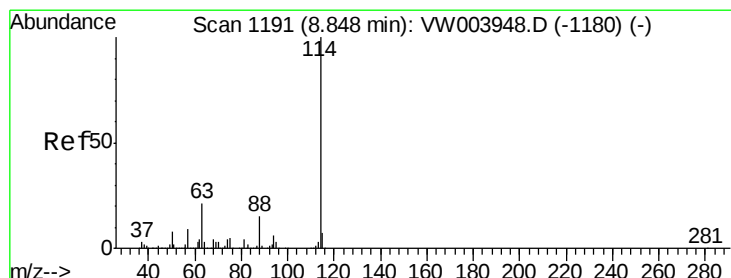
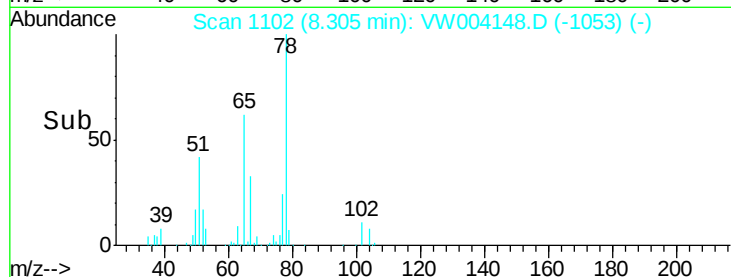
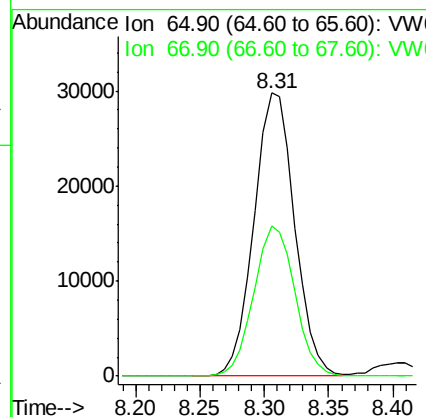
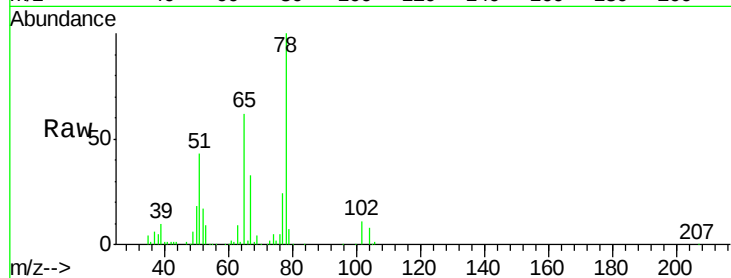




#33
 1,2-Dichloroethane-d4
 Concen: 55.249 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

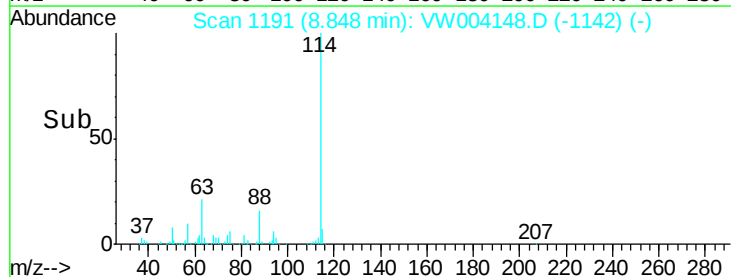
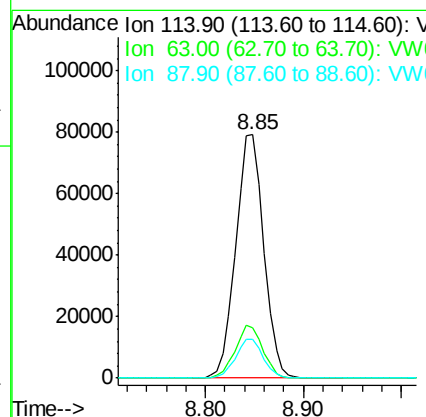
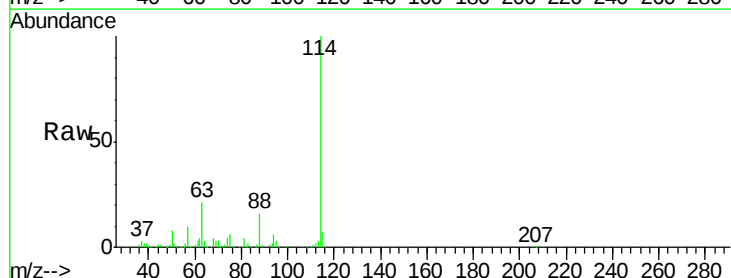
Instrument :
 MSVOA_W
 ClientSampleId :

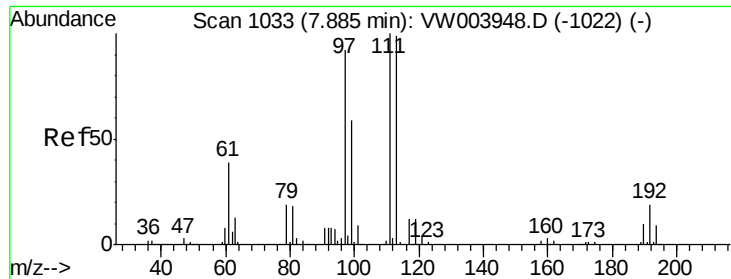
Tot Ion: 65 Resp: 65057
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion: 114 Resp: 157093
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 15.9 0.0 30.4

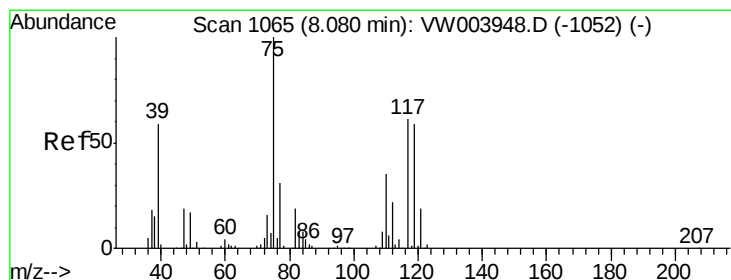
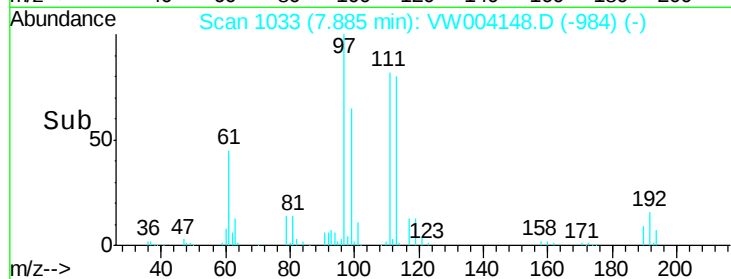
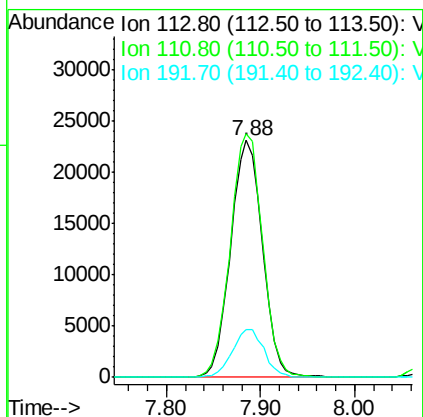
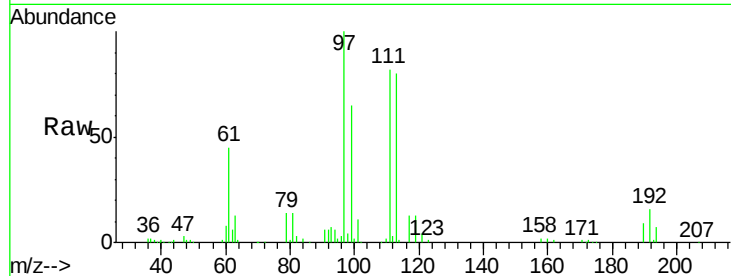




#35
 Dibromofluoromethane
 Concen: 53.894 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

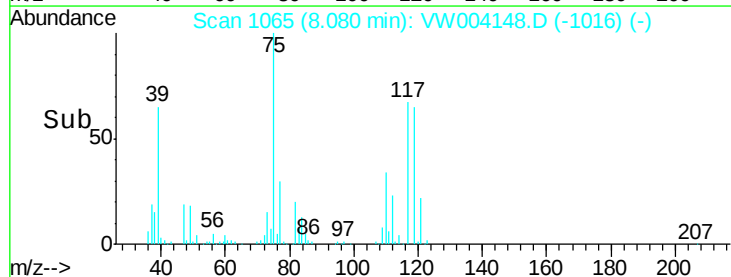
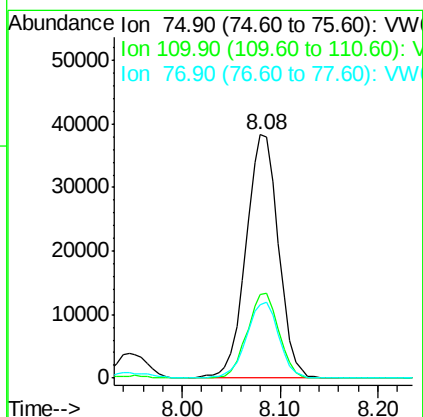
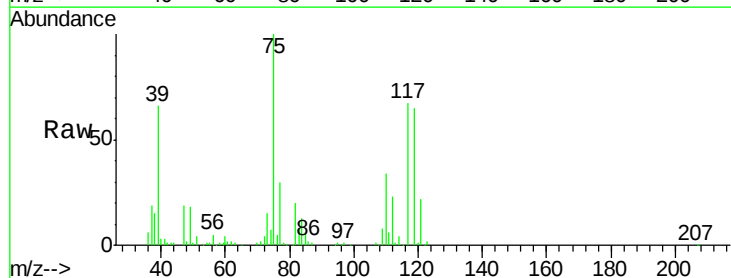
Instrument :
 MSVOA_W
 ClientSampleId :

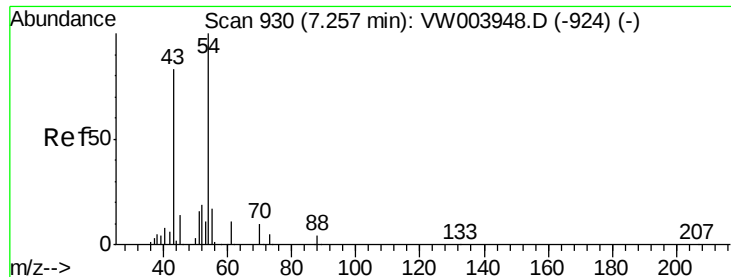
Tot Ion:113 Resp: 54322
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.3 121.9
 192 20.1 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 54.575 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion: 75 Resp: 88207
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.0 51.0
 77 31.3 24.9 37.3

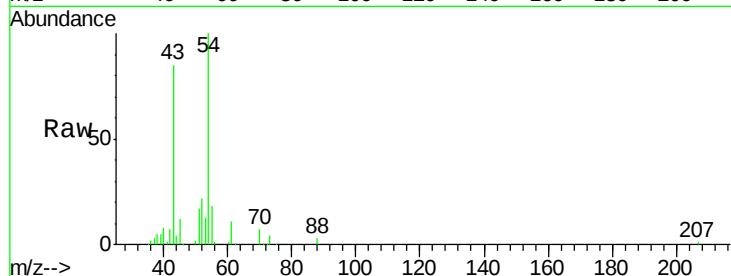




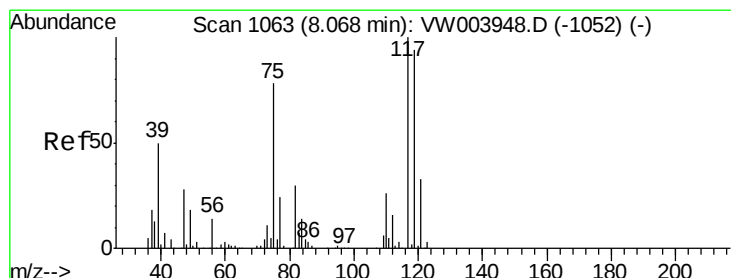
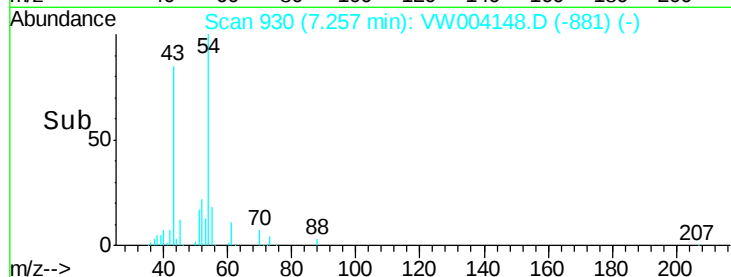
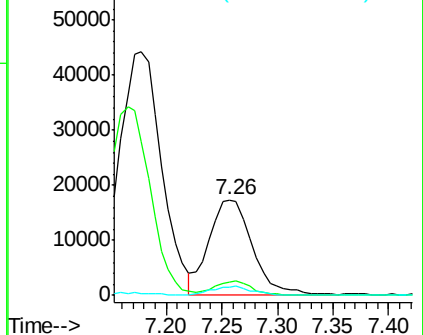
#37
Ethyl Acetate
Concen: 59.289 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 46221
Ion Ratio Lower Upper
43 100
61 13.0 10.7 16.1
70 9.1 7.7 11.5

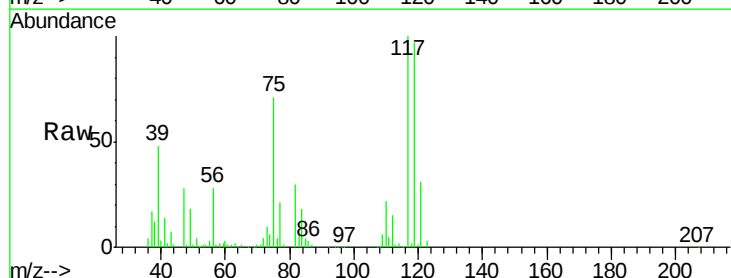


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

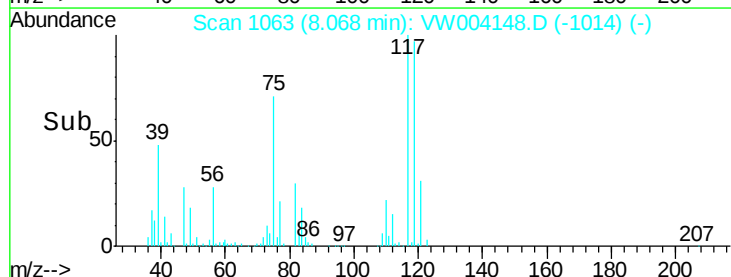
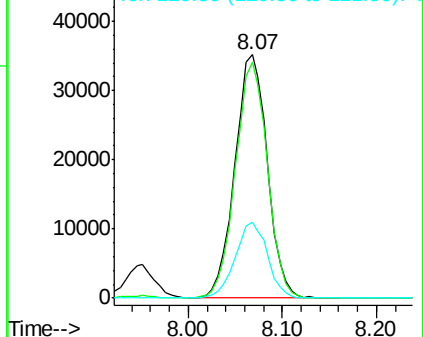


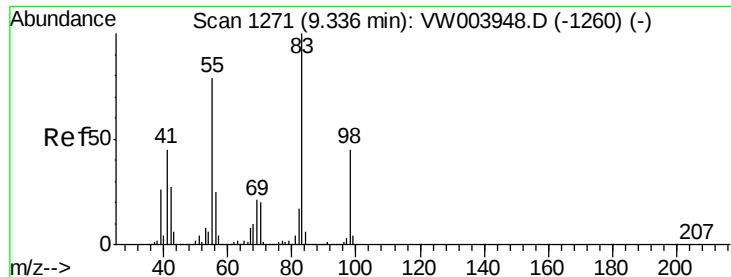
#38
Carbon Tetrachloride
Concen: 55.910 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 117 Resp: 84435
Ion Ratio Lower Upper
117 100
119 97.2 75.3 112.9
121 31.2 26.0 39.0



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

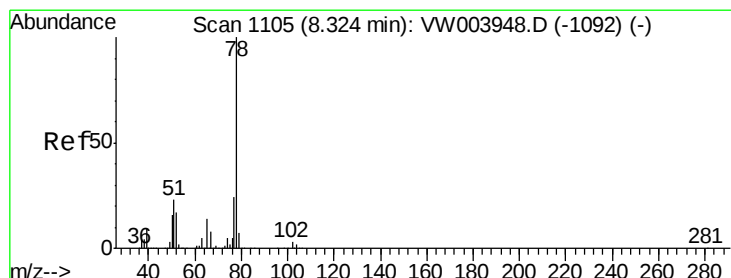
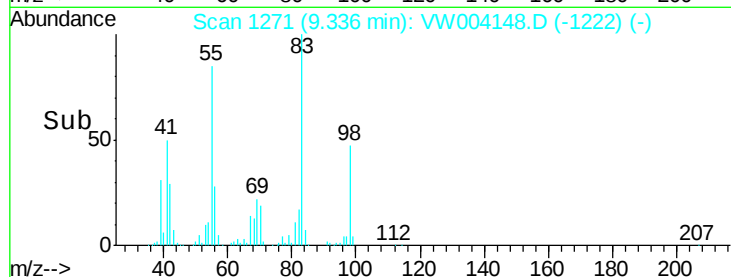
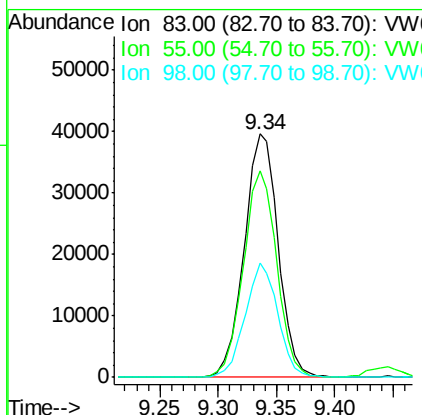
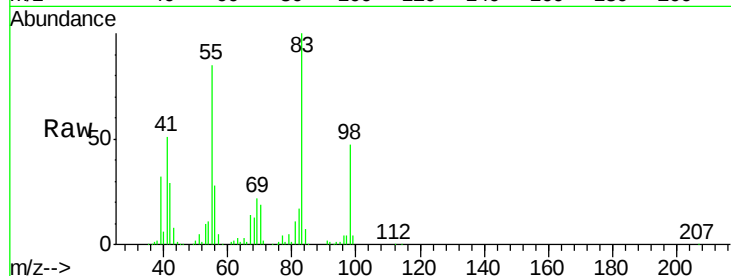




#39
Methvlcvclohexane
Concen: 42.611 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

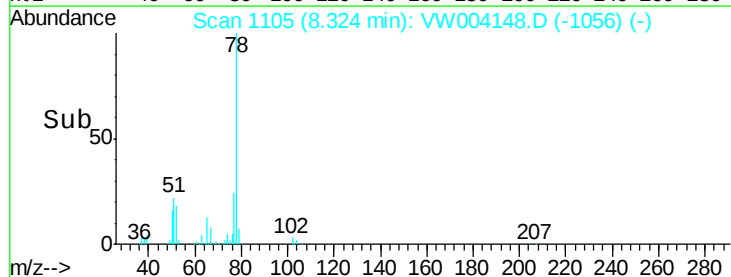
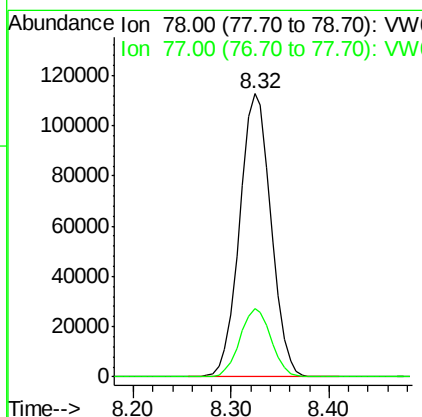
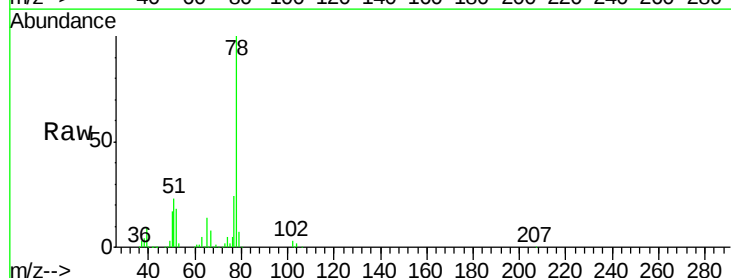
Instrument :
MSVOA_W
ClientSampleId :

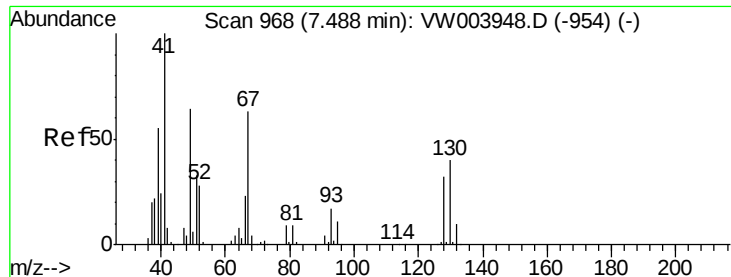
Tot Ion: 83 Resp: 80657
Ion Ratio Lower Upper
83 100
55 84.5 62.8 94.2
98 47.0 36.2 54.4



#40
Benzene
Concen: 55.877 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 78 Resp: 250556
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





#41

Methacrylonitrile

Concen: 65.853 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

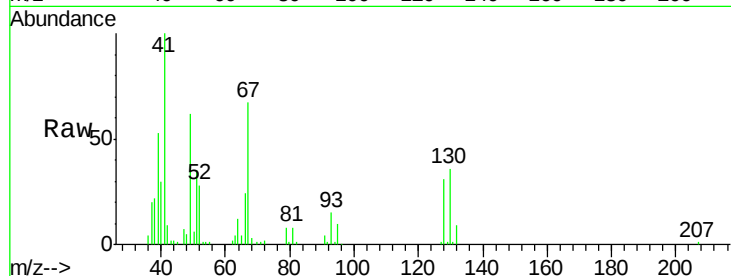
Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 28446

Ion	Ratio	Lower	Upper
41	100		
39	48.2	50.0	75.0#
67	66.8	60.8	91.2
52	30.1	26.2	39.4



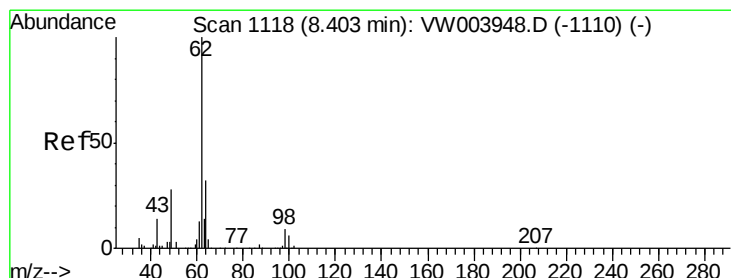
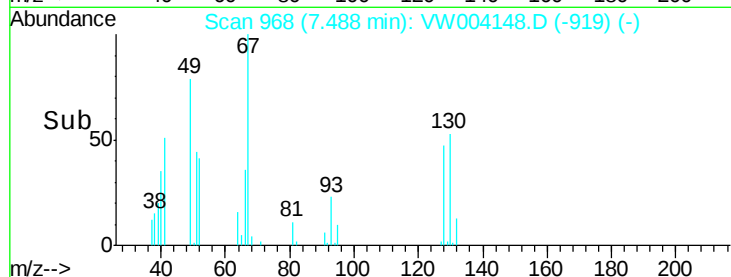
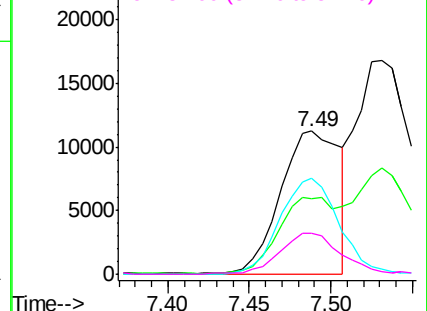
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 57.524 ug/l

RT: 8.40 min Scan# 1118

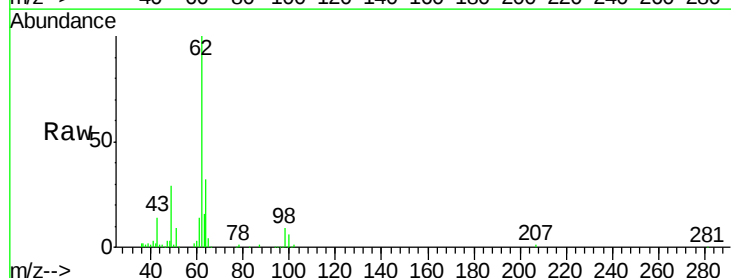
Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Tgt Ion: 62 Resp: 78693

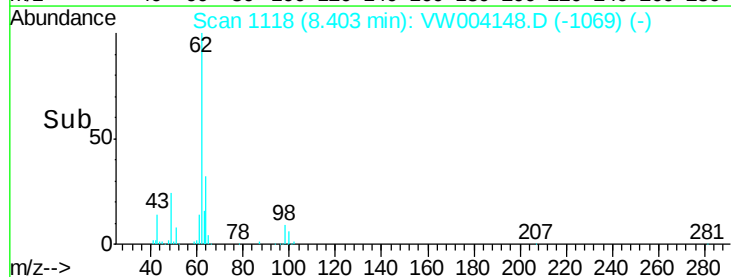
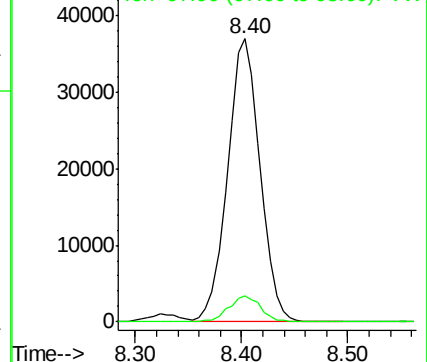
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.4

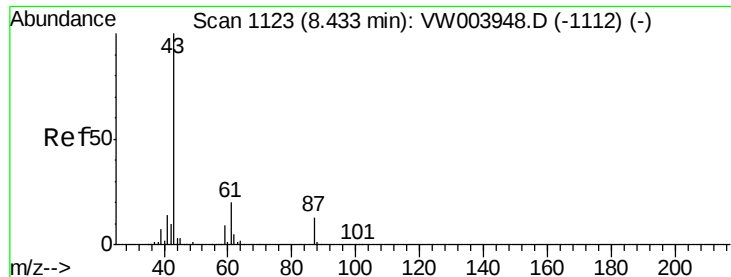


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 59.873 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampled :

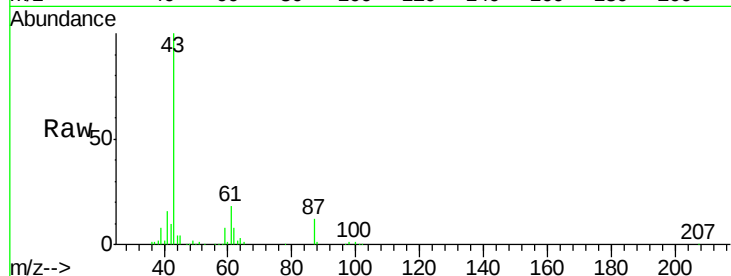
Tot Ion: 43 Resp: 87299

Ion Ratio Lower Upper

43 100

61 28.0 23.0 34.6

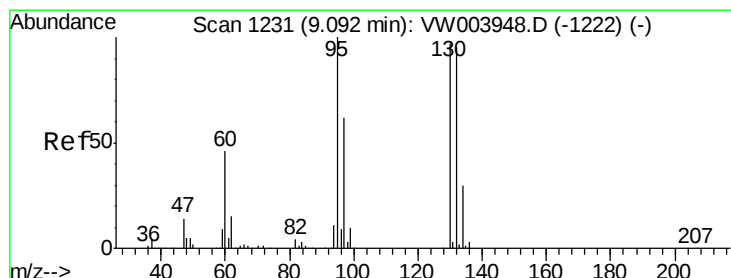
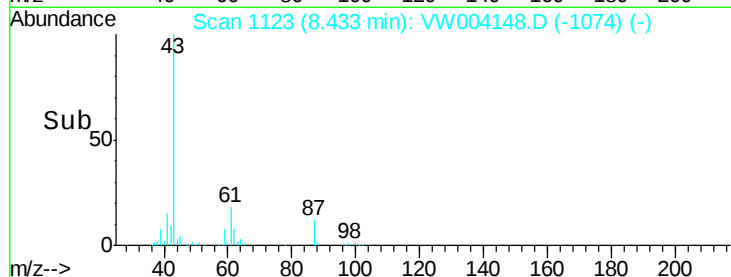
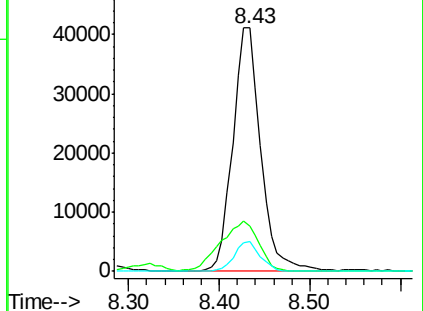
87 11.6 9.9 14.9



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: 54.123 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004148.D

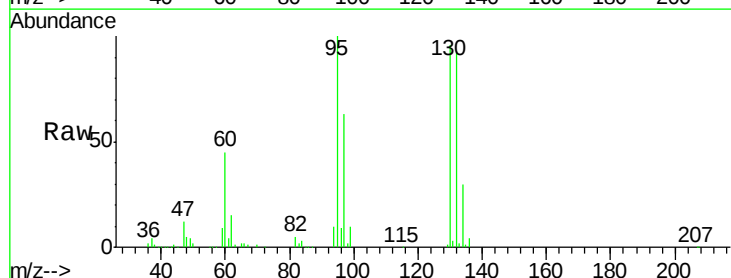
Acq: 23 Jul 2018 19:57

Tgt Ion: 130 Resp: 62910

Ion Ratio Lower Upper

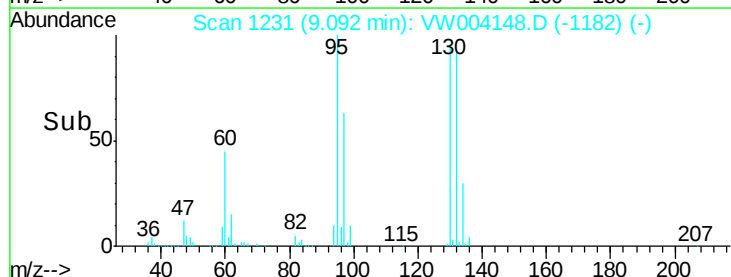
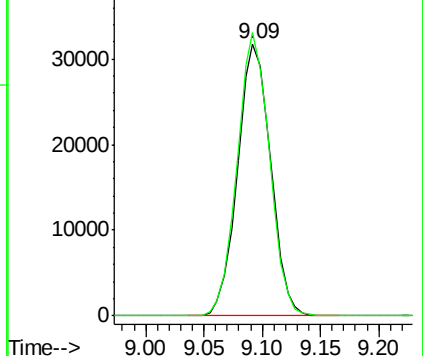
130 100

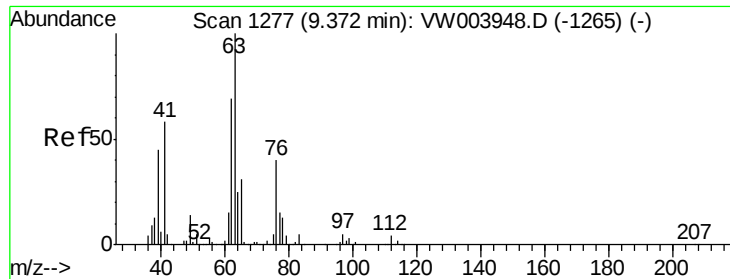
95 104.0 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

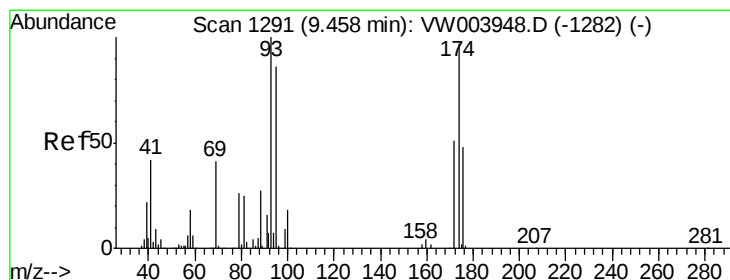
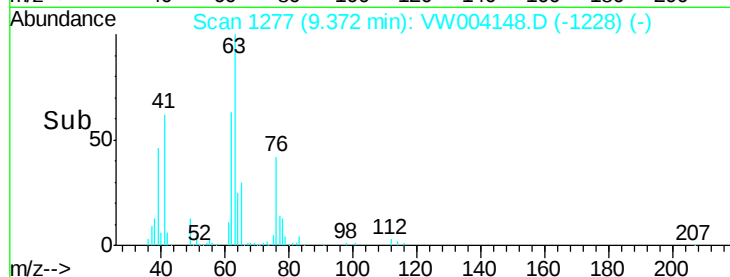
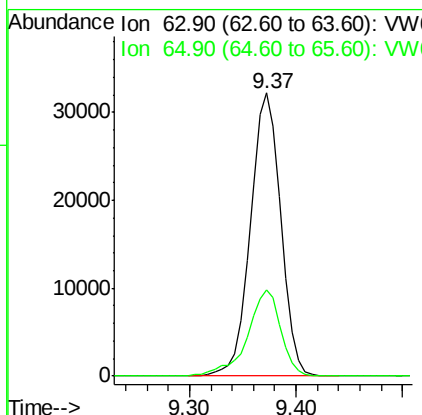
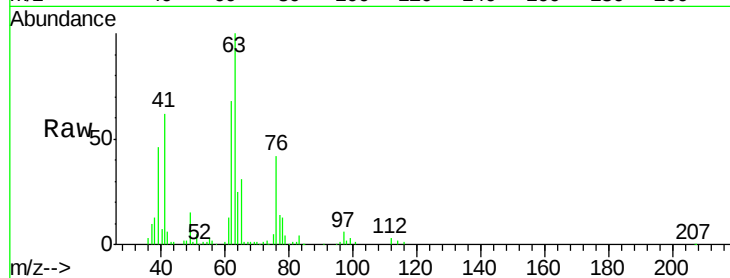




#45
 1,2-Dichloropropane
 Concen: 56.321 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

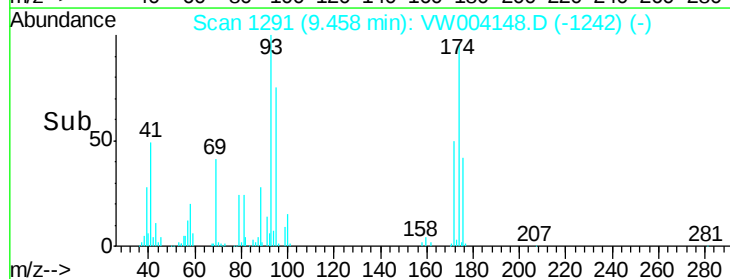
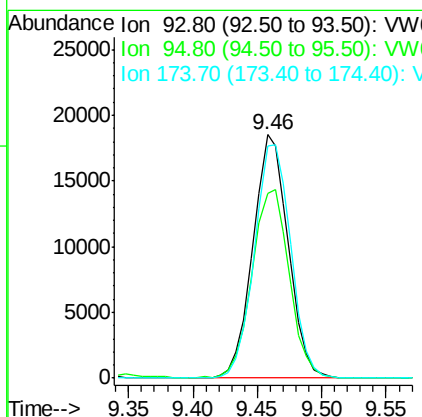
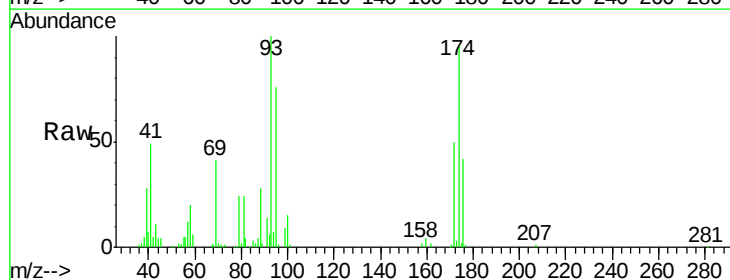
Instrument :
 MSVOA_W
 ClientSampleId :

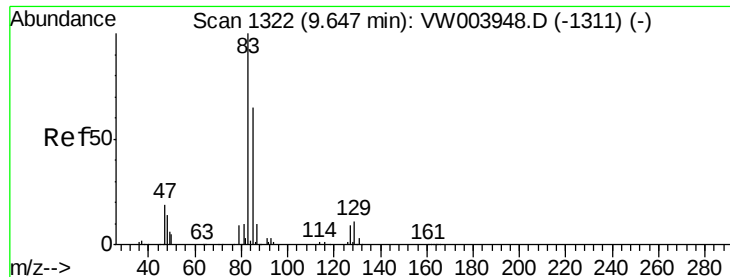
Tot Ion: 63 Resp: 64458
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 58.921 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion: 93 Resp: 34992
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.9 100.3
 174 98.9 80.2 120.2





#47

Bromodichloromethane

Concen: 55.165 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :
MSVOA_W
ClientSampled :

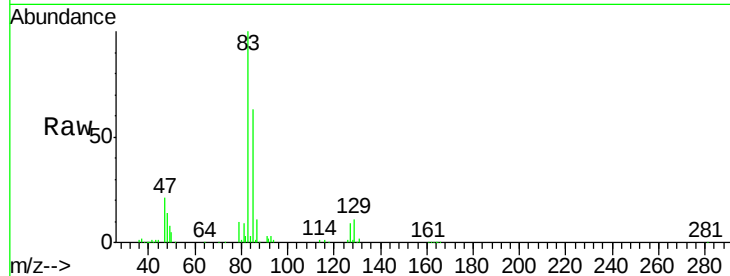
Tot Ion: 83 Resp: 80764

Ion Ratio Lower Upper

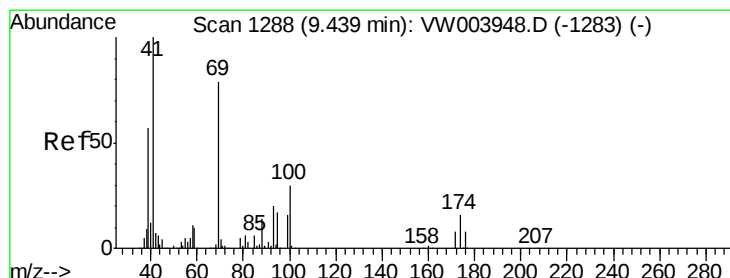
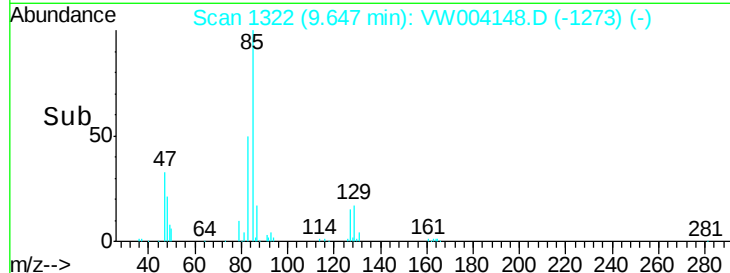
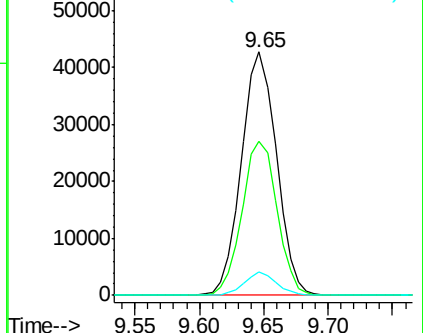
83 100

85 63.1 52.2 78.2

127 9.4 7.0 10.4



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: 61.831 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

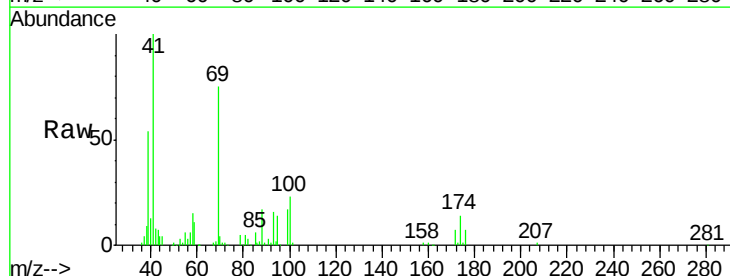
Tgt Ion: 41 Resp: 43601

Ion Ratio Lower Upper

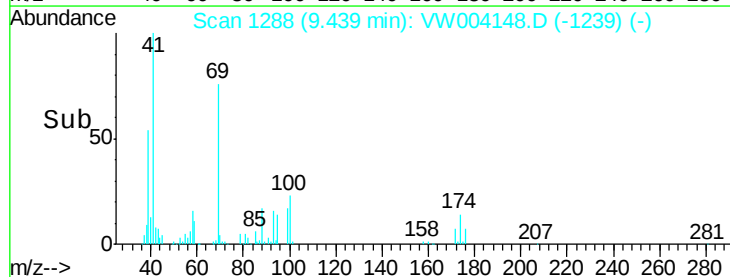
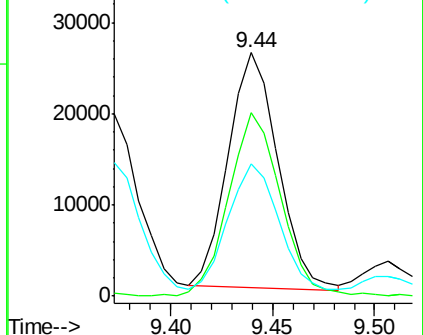
41 100

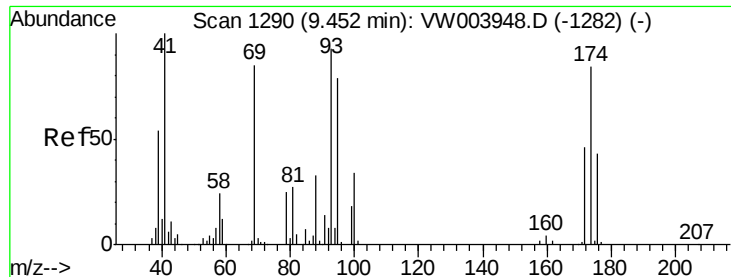
69 82.6 67.0 100.6

39 59.6 48.8 73.2



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

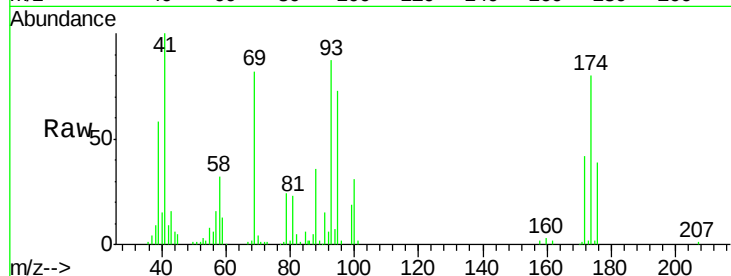




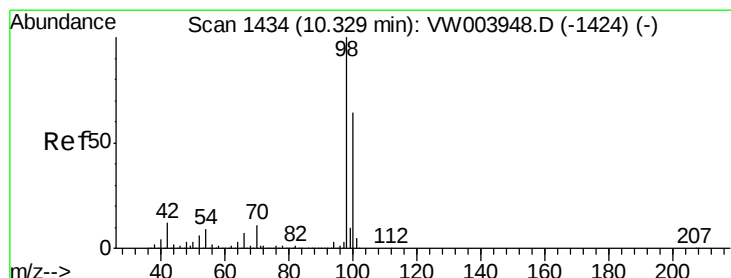
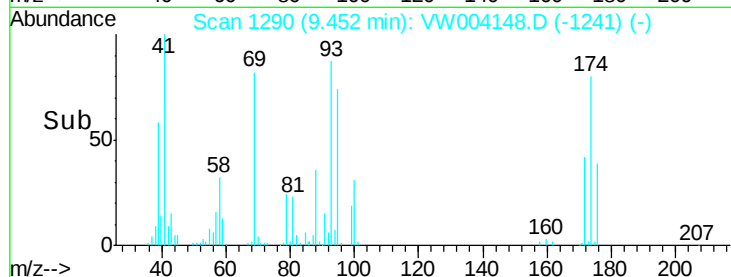
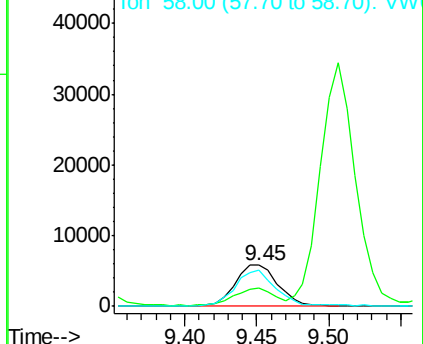
#49
1,4-Dioxane
Concen: 1319.782 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 12048
Ion Ratio Lower Upper
88 100
43 38.6 27.3 40.9
58 82.0 61.1 91.7

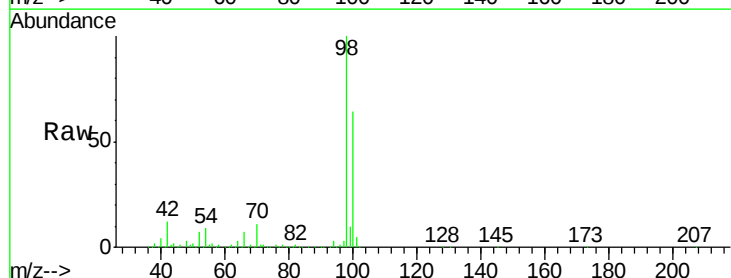


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

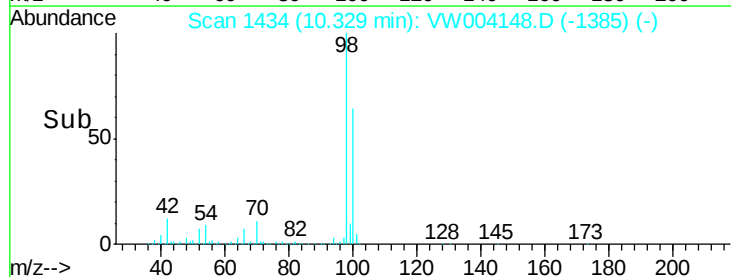
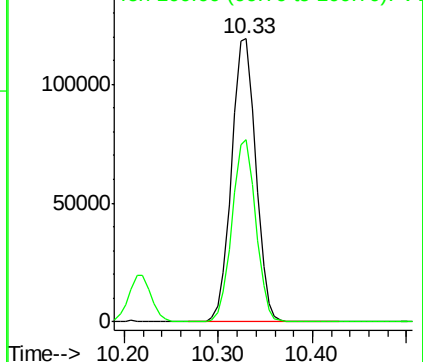


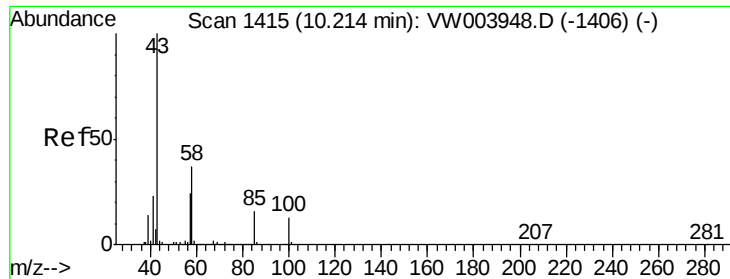
#50
Toluene-d8
Concen: 54.516 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 98 Resp: 213217
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 330.749 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

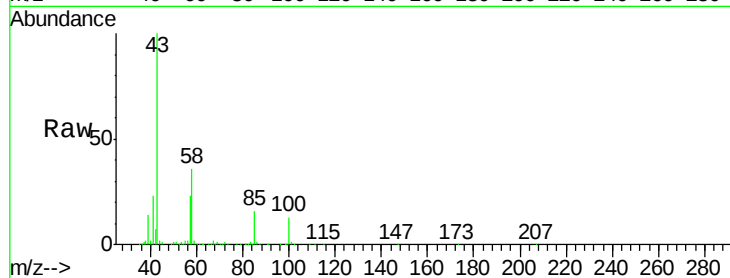
ClientSampled :

Tot Ion: 43 Resp: 256931

Ion Ratio Lower Upper

43 100

58 36.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

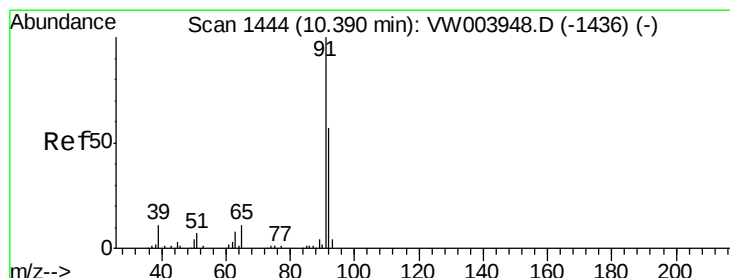
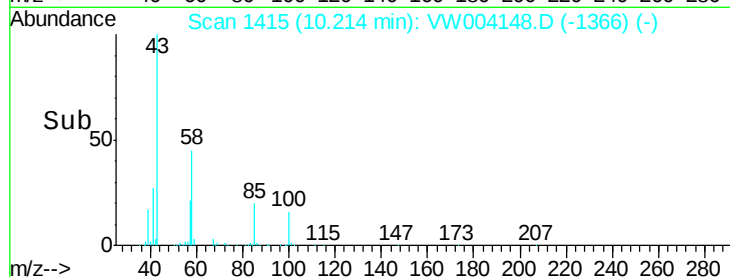
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 54.576 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004148.D

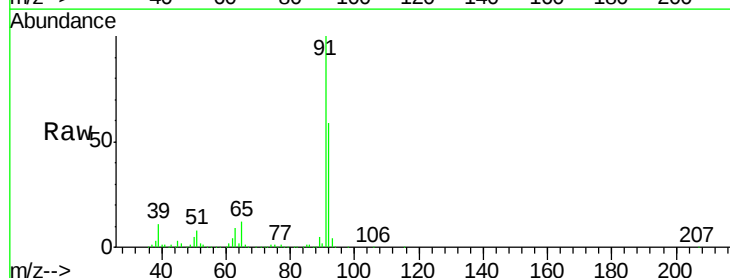
Acq: 23 Jul 2018 19:57

Tgt Ion: 92 Resp: 151331

Ion Ratio Lower Upper

92 100

91 174.8 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

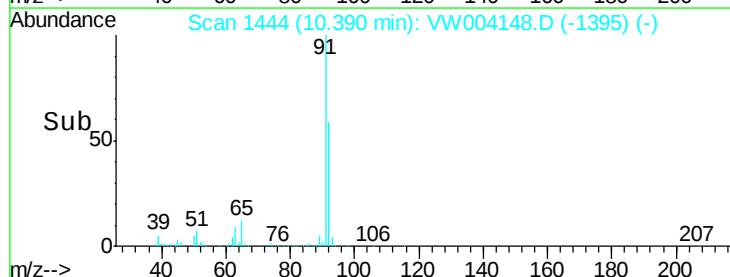
150000

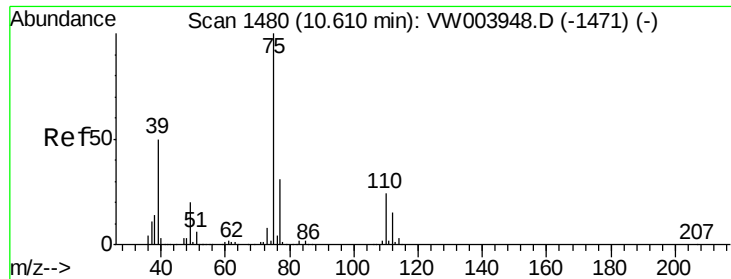
100000

50000

0

Time--> 10.30 10.40 10.50

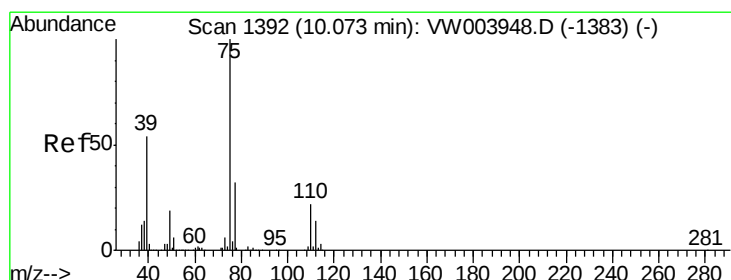
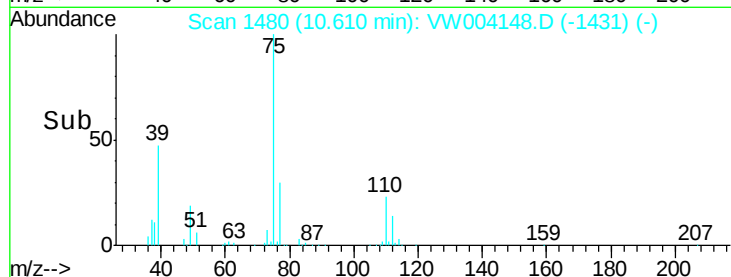
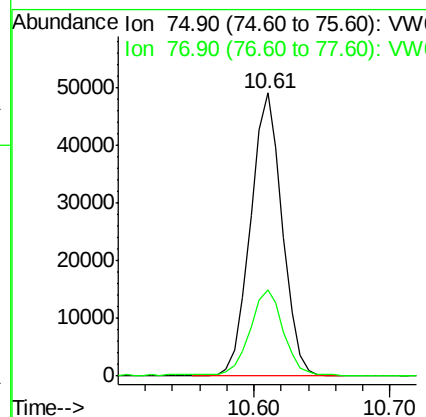
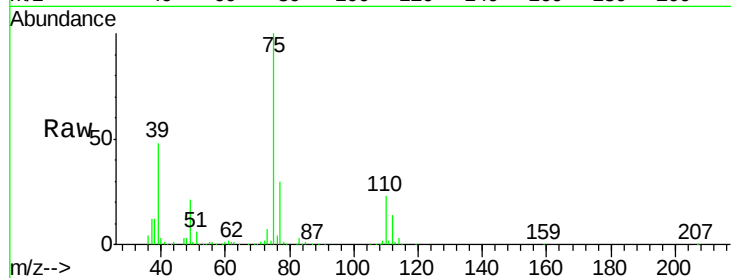




#53
t-1,3-Dichloropropene
Concen: 52.341 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

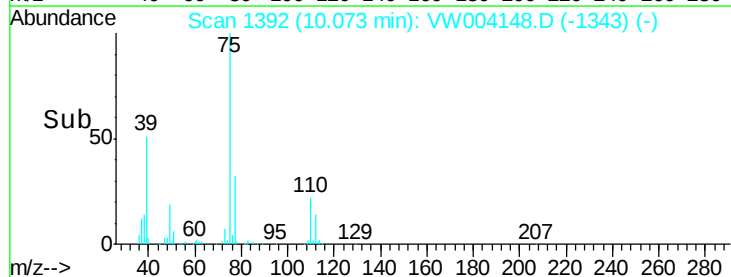
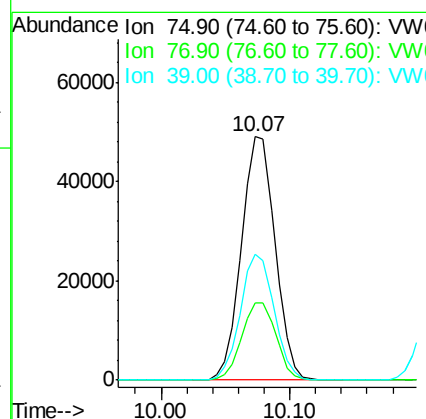
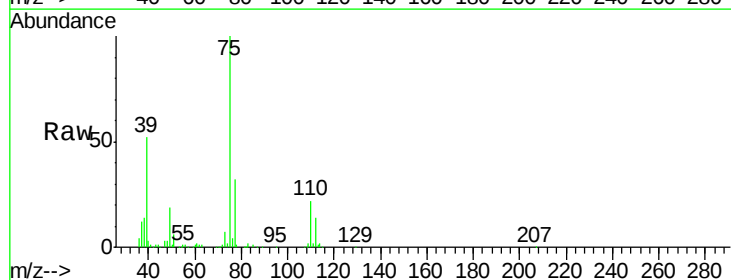
Instrument :
MSVOA_W
ClientSampled :

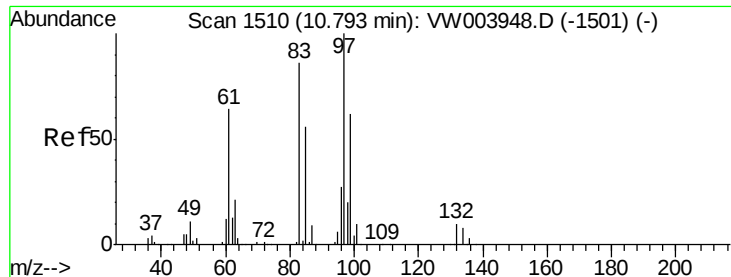
Tot Ion: 75 Resp: 80132
Ion Ratio Lower Upper
75 100
77 29.9 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 50.692 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 75 Resp: 88780
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
39 51.5 43.0 64.6



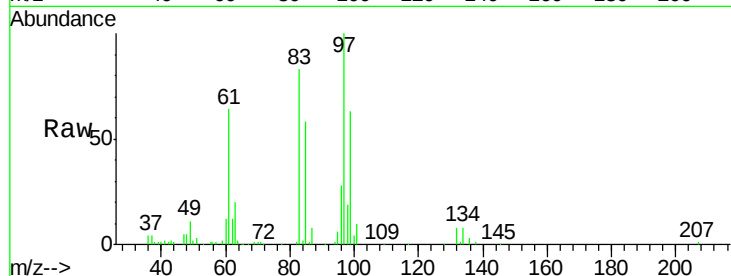


#55
 1,1,2-Trichloroethane
 Concen: 60.278 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

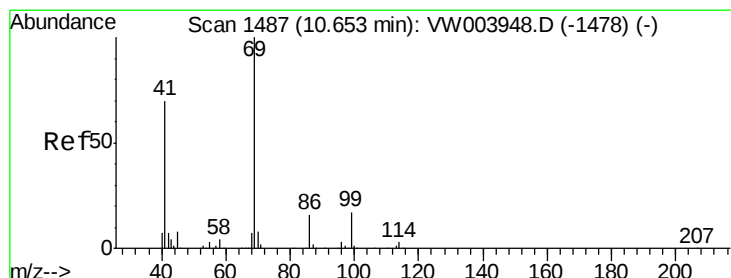
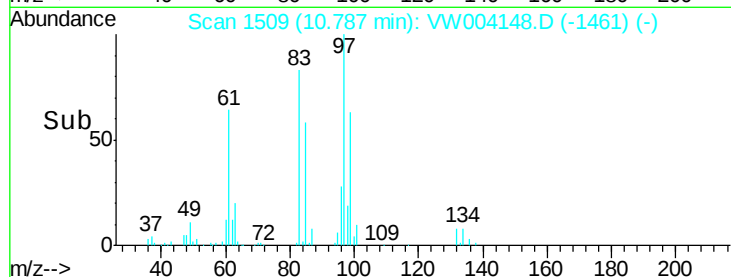
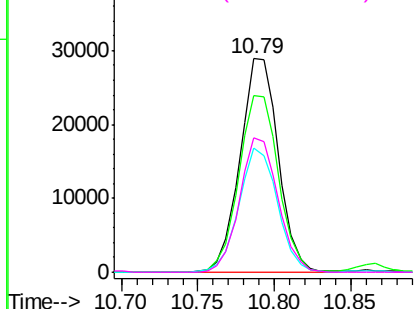
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 50347

Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.0	103.4
85	57.9	45.0	67.6
99	63.2	49.9	74.9



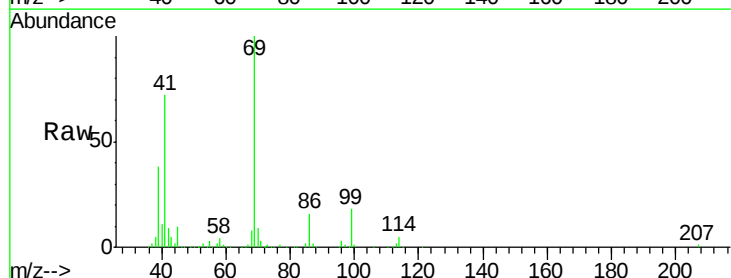
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



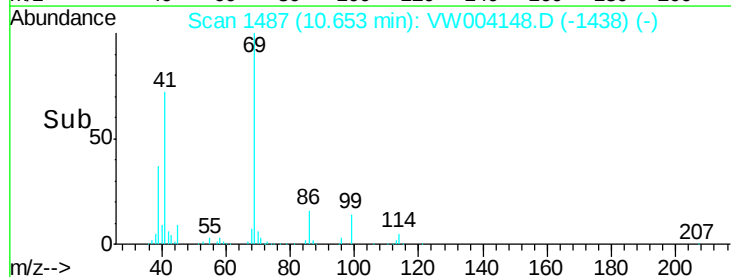
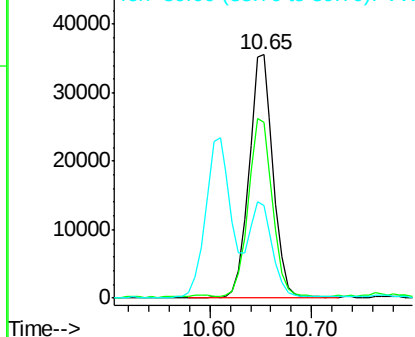
#56
 Ethyl methacrylate
 Concen: 49.157 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

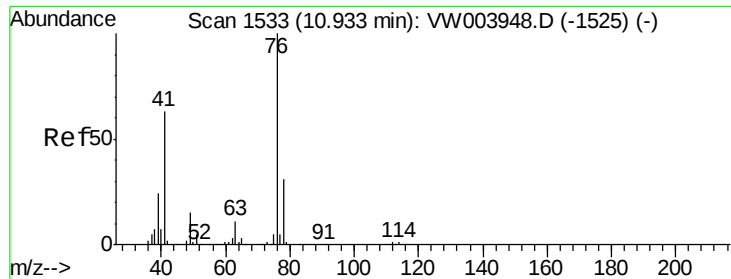
Tgt Ion: 69 Resp: 58665

Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.5	84.7
39	34.8	30.2	45.4



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





#57

1,3-Dichloropropane

Concen: 58.998 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

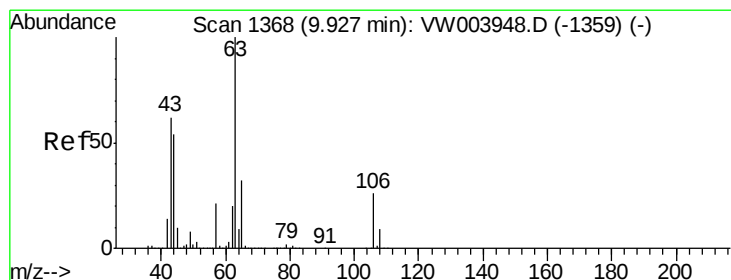
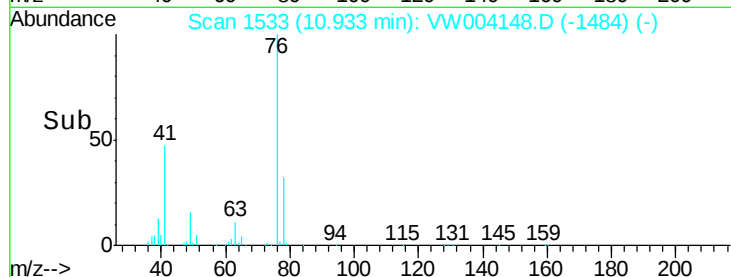
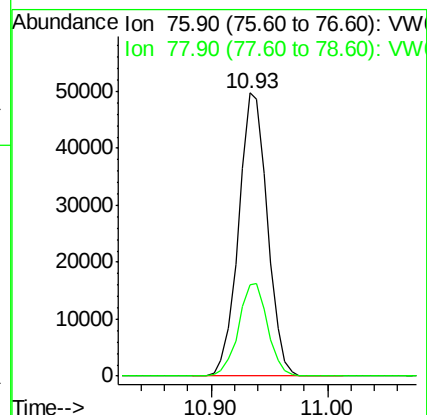
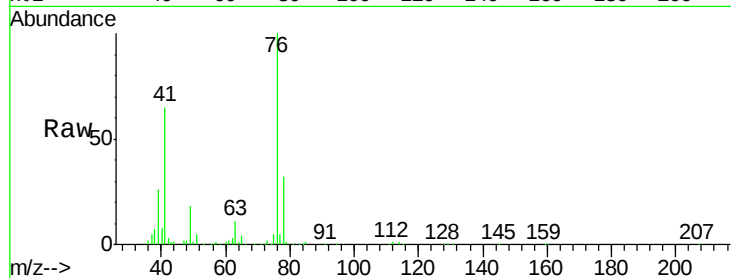
ClientSampled :

Tot Ion: 76 Resp: 85615

Ion Ratio Lower Upper

76 100

78 33.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 296.688 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004148.D

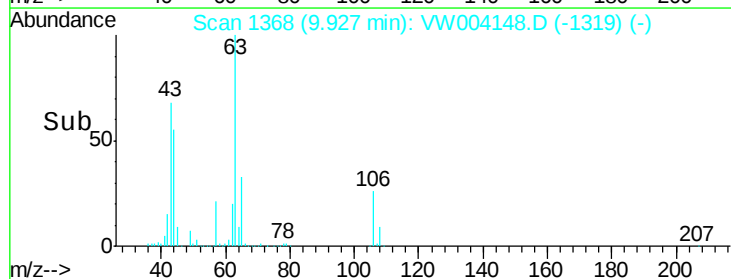
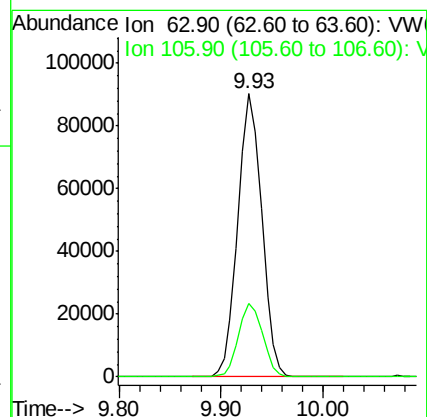
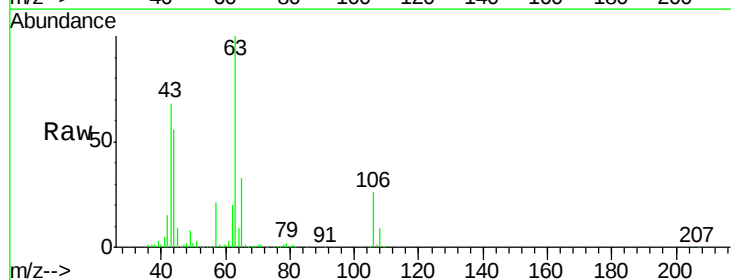
Acq: 23 Jul 2018 19:57

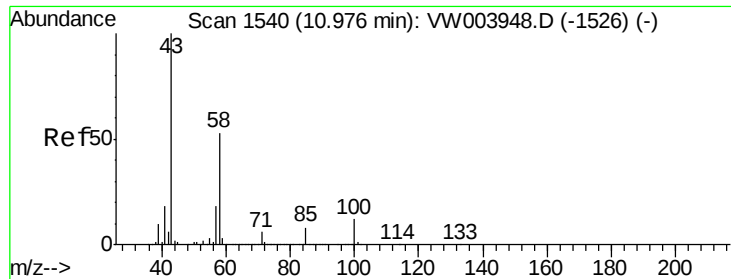
Tgt Ion: 63 Resp: 147008

Ion Ratio Lower Upper

63 100

106 26.1 21.2 31.8

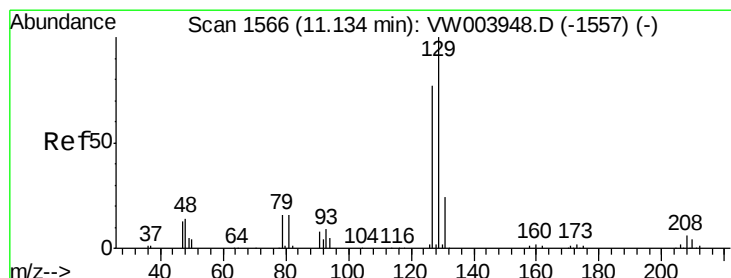
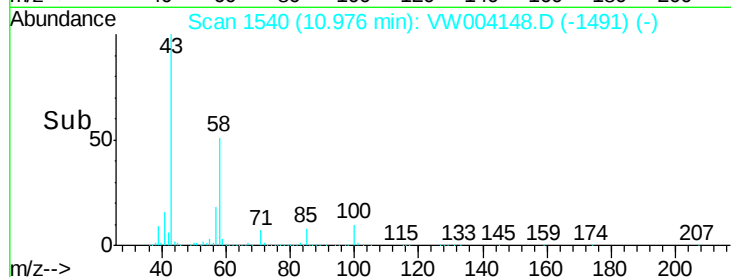
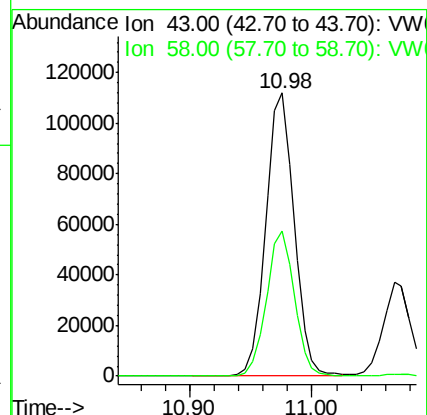
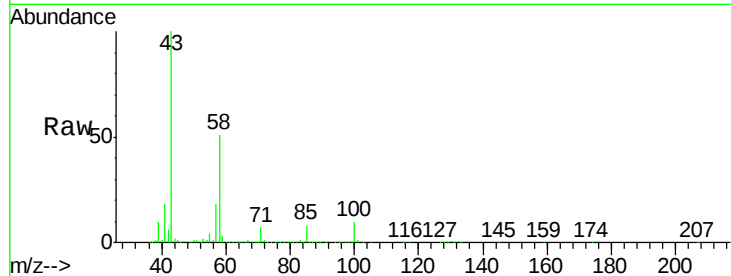




#59
2-Hexanone
Concen: 330.230 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

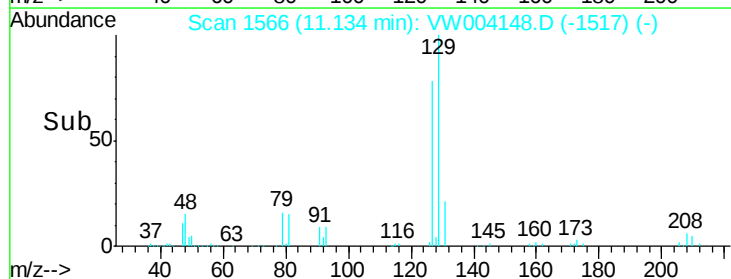
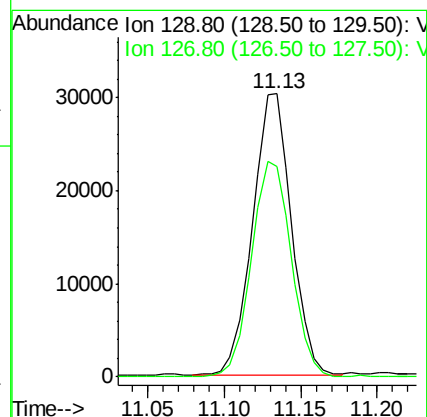
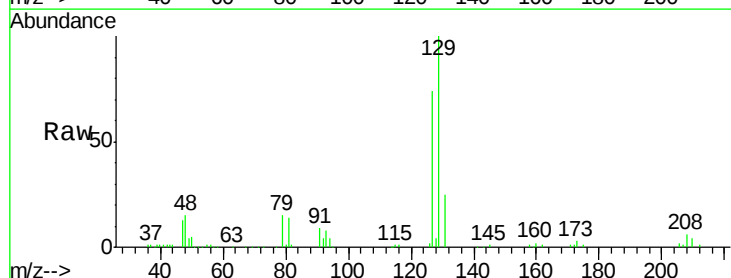
Instrument :
MSVOA_W
ClientSampleId :

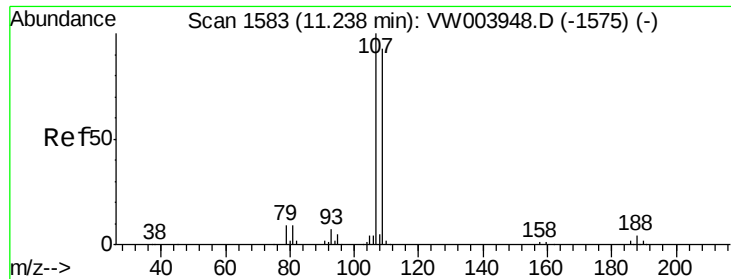
Tot Ion: 43 Resp: 180804
Ion Ratio Lower Upper
43 100
58 50.5 26.0 78.0



#60
Dibromochloromethane
Concen: 55.107 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 129 Resp: 53602
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3

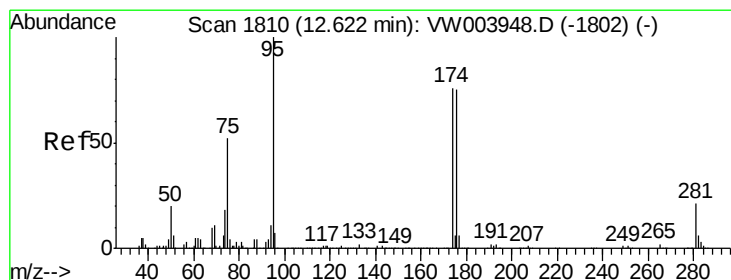
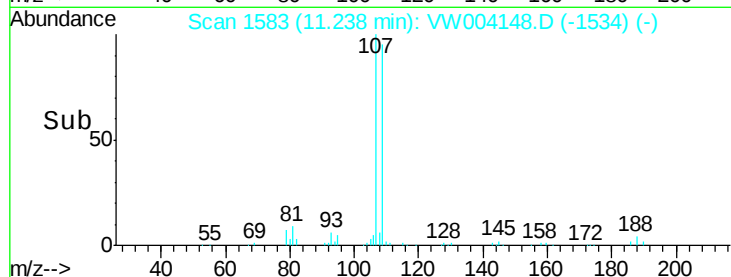
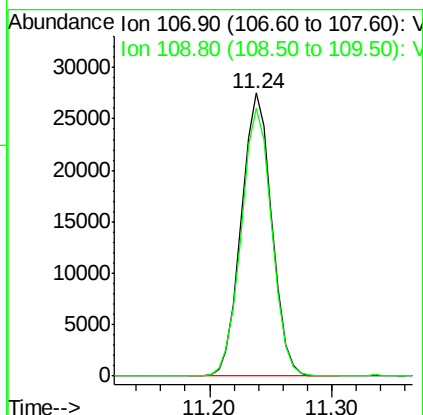
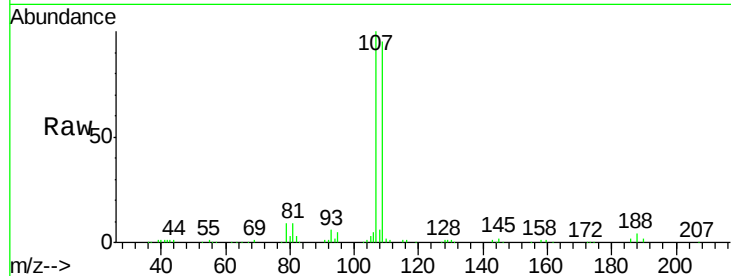




#61
 1,2-Dibromoethane
 Concen: 59.771 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

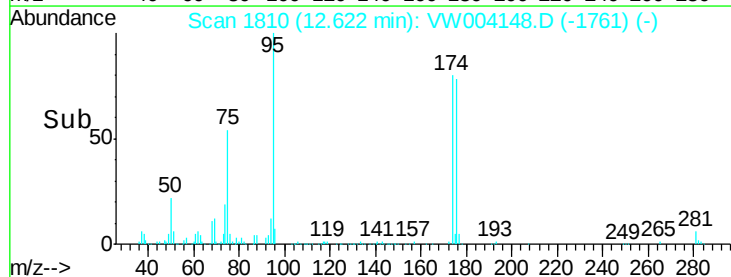
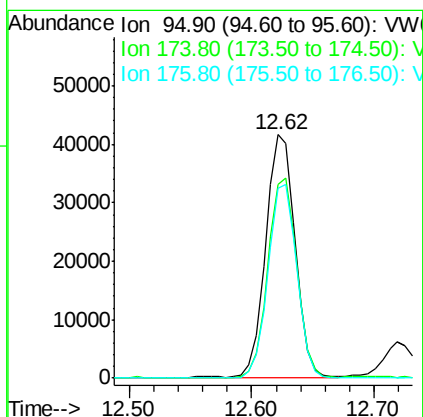
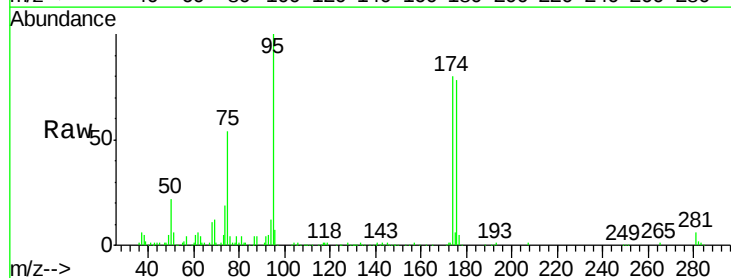
Instrument :
 MSVOA_W
 ClientSampleId :

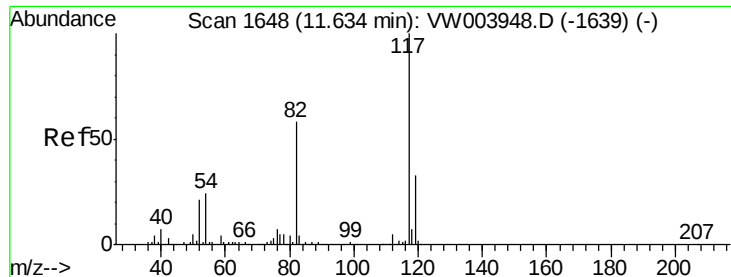
Tot Ion: 107 Resp: 47503
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 49.361 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion: 95 Resp: 69616
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 160.2
 176 77.7 0.0 155.8

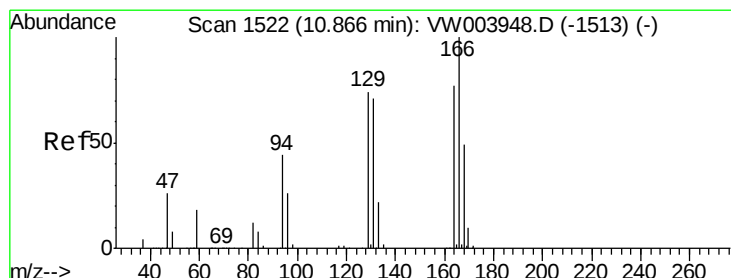
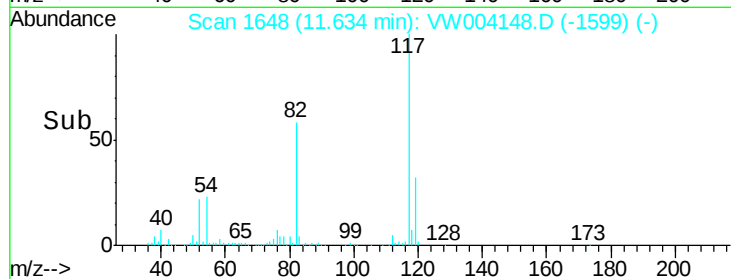
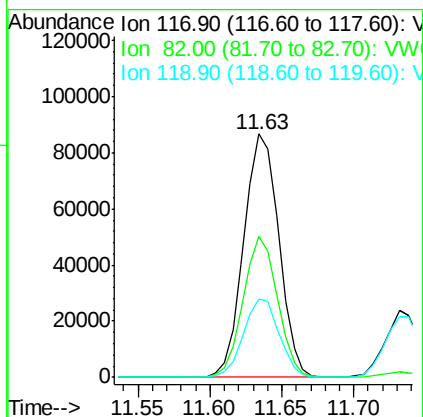
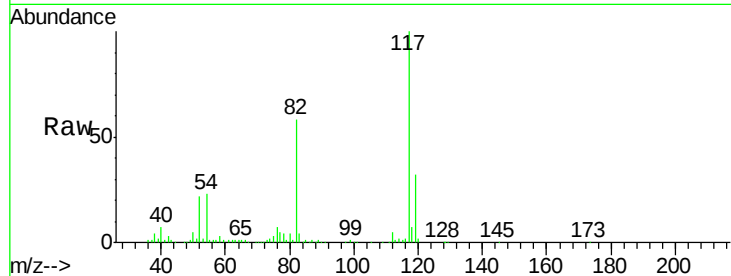




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

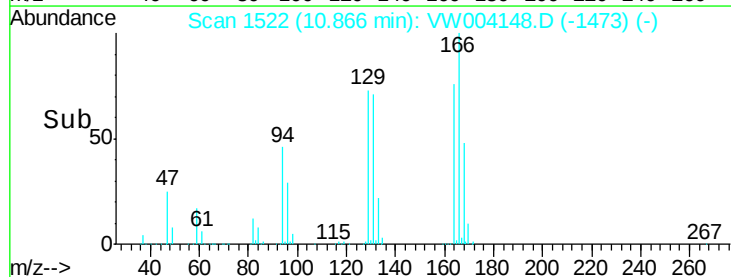
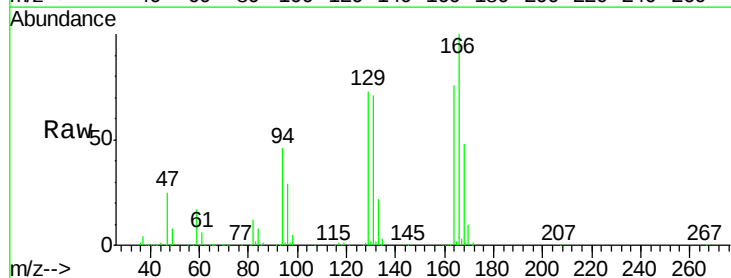
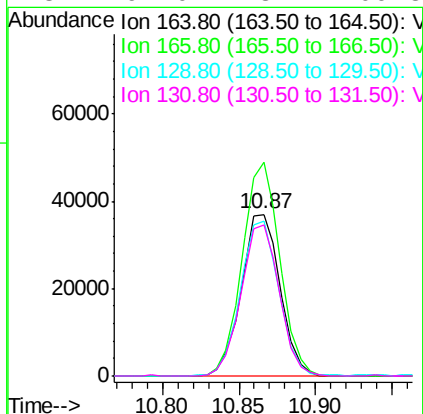
Instrument :
MSVOA_W
ClientSampled :

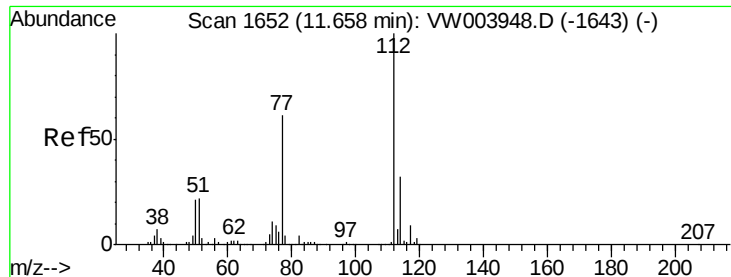
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.5	69.7
119	32.3	26.2	39.2



#64
Tetrachloroethene
Concen: 64.748 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	103.5	155.3
129	96.1	76.8	115.2
131	94.0	73.2	109.8





#65

Chlorobenzene

Concen: 50.617 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

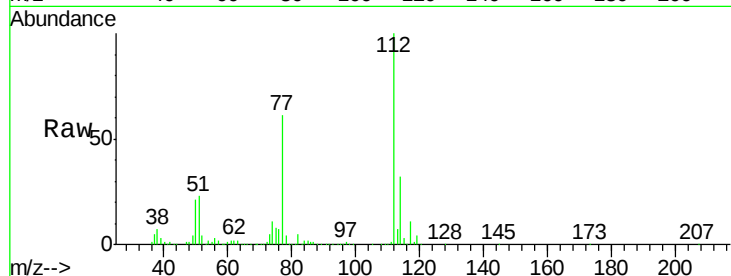
ClientSampleId :

Tot Ion:112 Resp: 157546

Ion Ratio Lower Upper

112 100

114 32.2 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

100000

80000

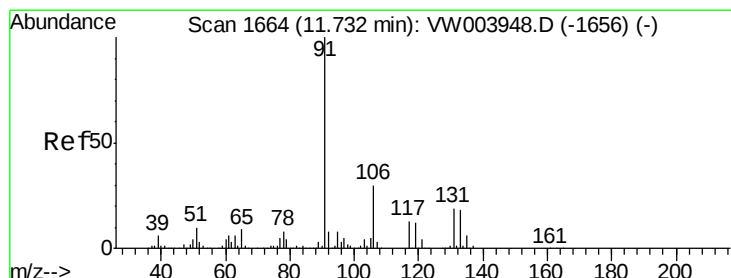
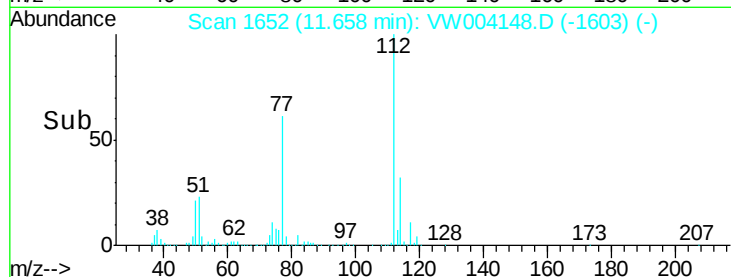
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.522 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

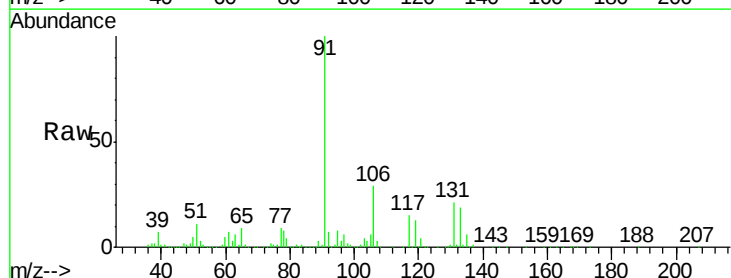
Tgt Ion:131 Resp: 57890

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.8

119 65.8 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

40000

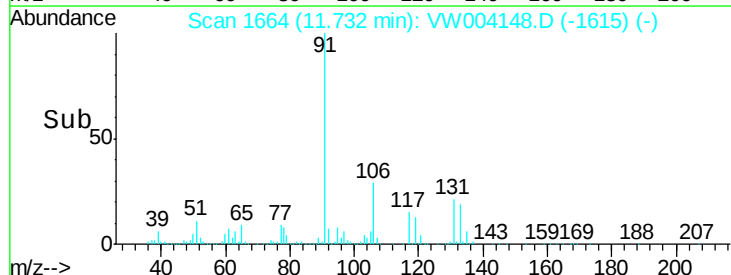
30000

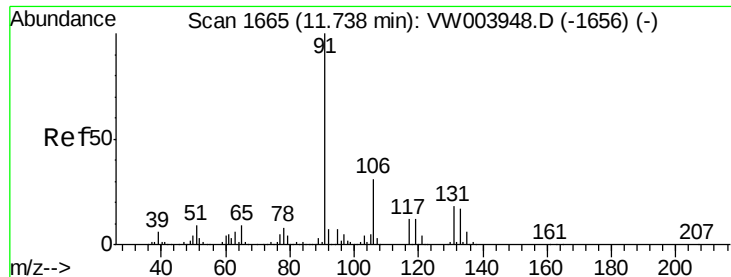
20000

10000

0

Time-->

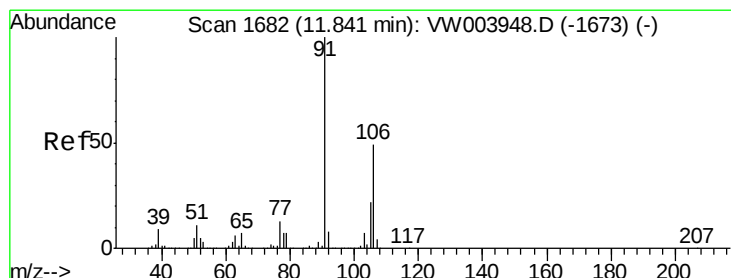
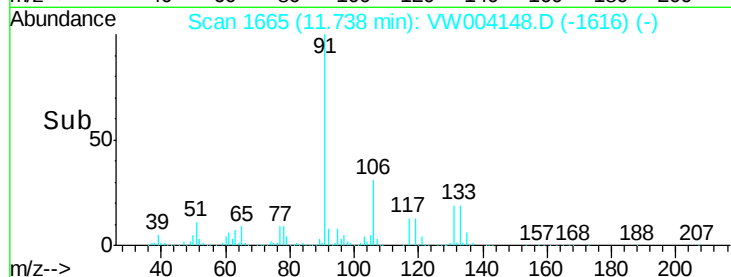
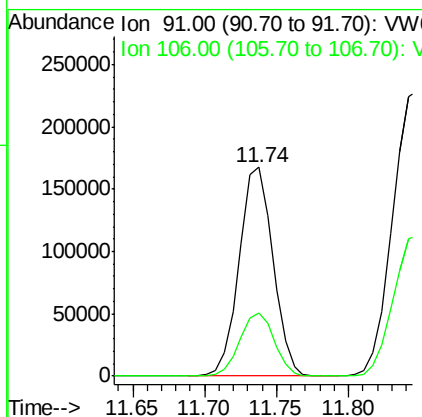
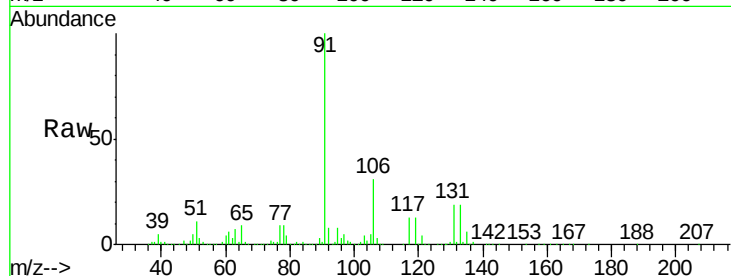




#67
Ethyl Benzene
Concen: 50.003 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

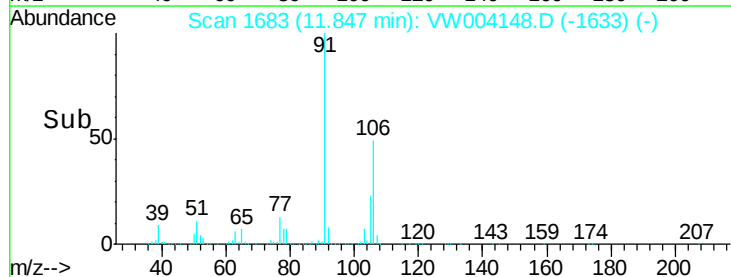
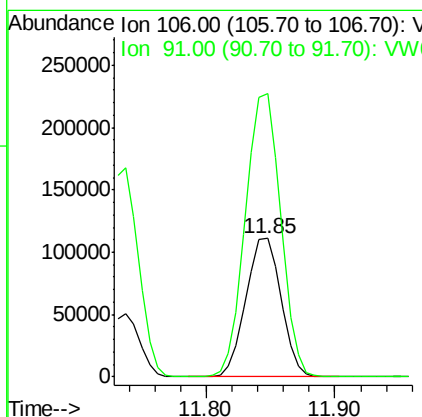
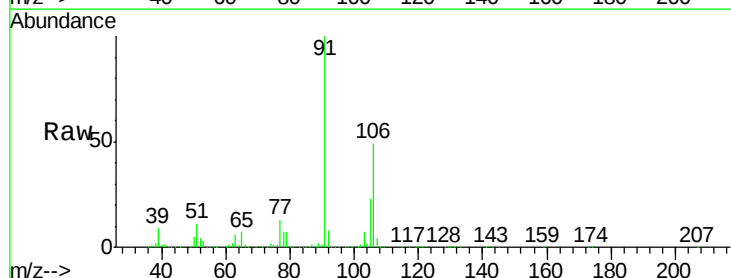
Instrument :
MSVOA_W
ClientSampleId :

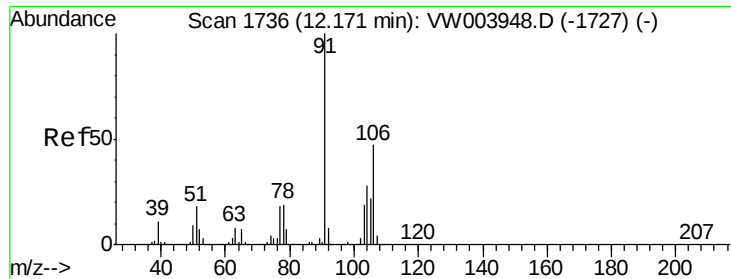
Tot Ion: 91 Resp: 273399
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4



#68
m/p-Xylenes
Concen: 101.080 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion: 106 Resp: 211235
Ion Ratio Lower Upper
106 100
91 204.3 164.2 246.2

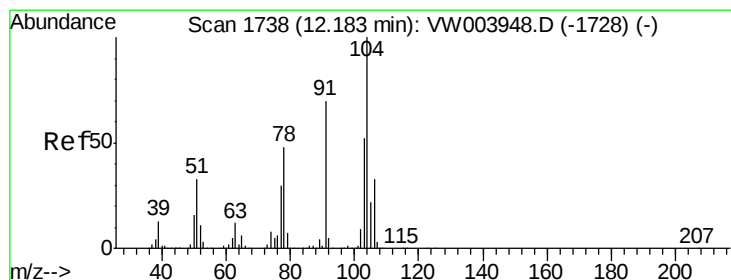
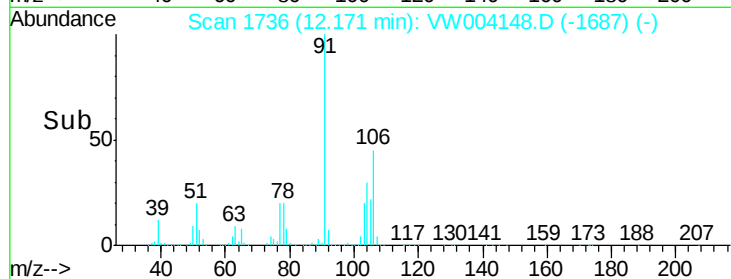
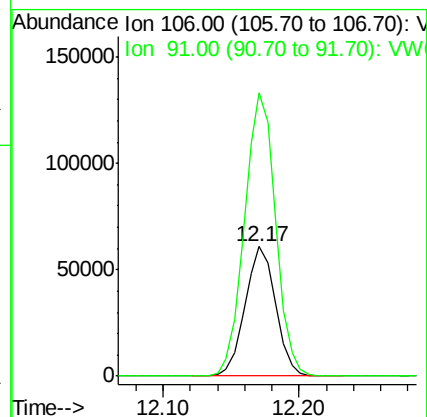
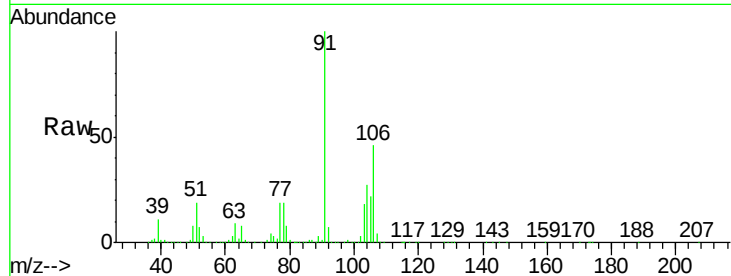




#69
o-Xylene
Concen: 49.414 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

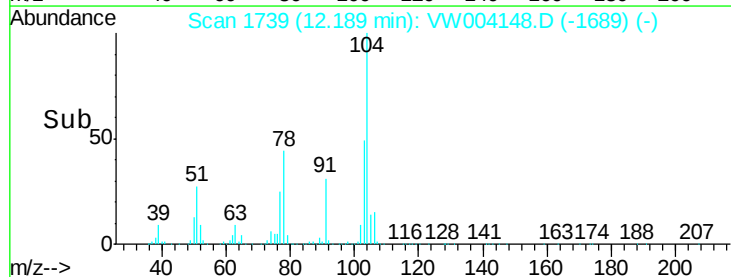
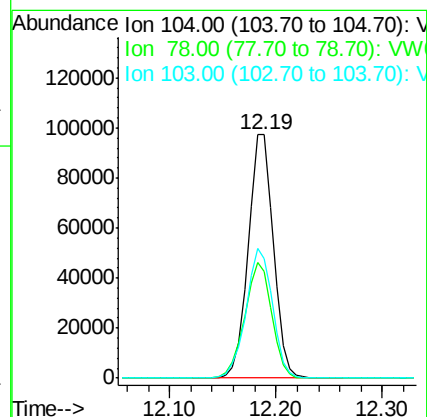
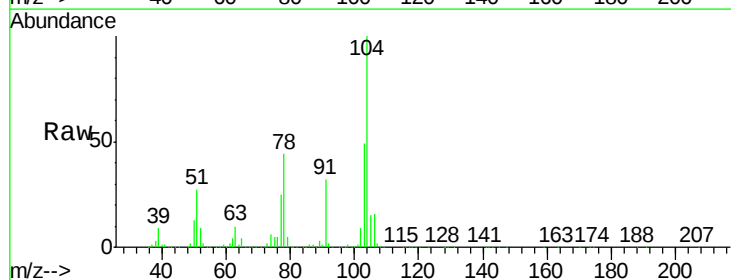
Instrument :
MSVOA_W
ClientSampled :

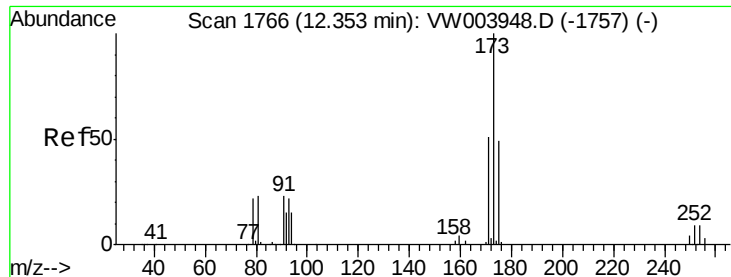
Tot Ion:106 Resp: 95790
Ion Ratio Lower Upper
106 100
91 221.4 107.5 322.6



#70
Styrene
Concen: 50.113 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion:104 Resp: 162260
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 55.9 44.6 67.0





#71

Bromoform

Concen: 56.676 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

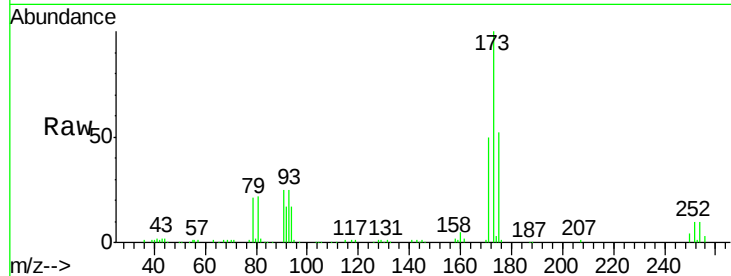
Tot Ion:173 Resp: 34611

Ion Ratio Lower Upper

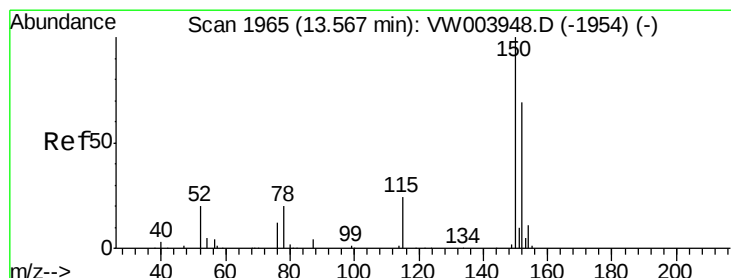
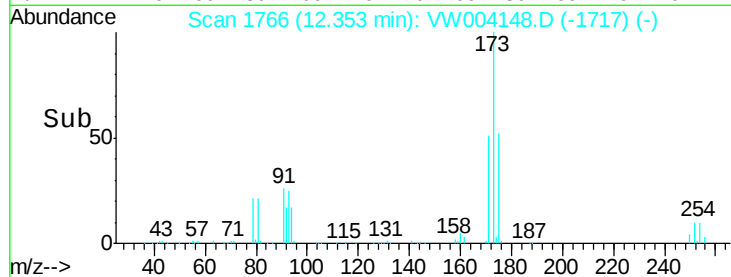
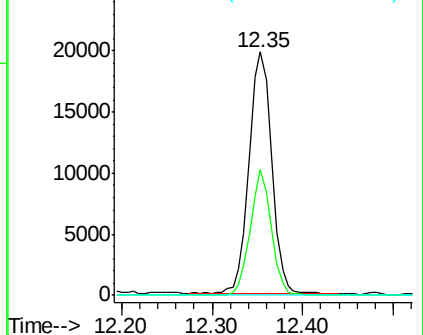
173 100

175 47.7 24.4 73.2

254 0.0 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# 1965

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

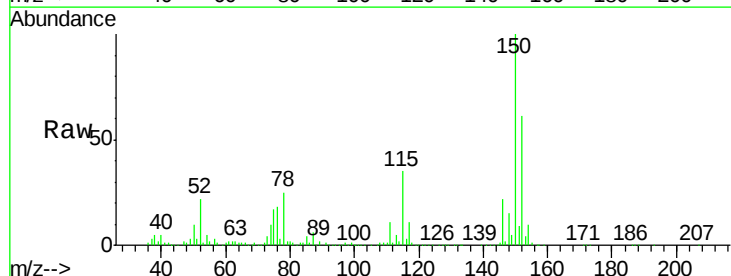
Tgt Ion:152 Resp: 69445

Ion Ratio Lower Upper

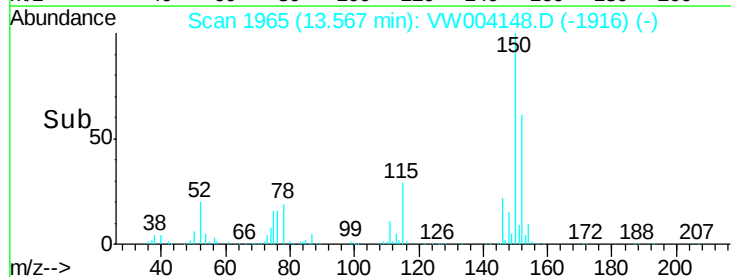
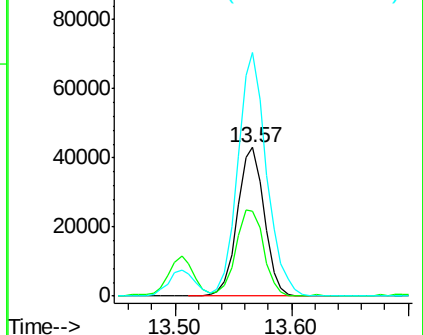
152 100

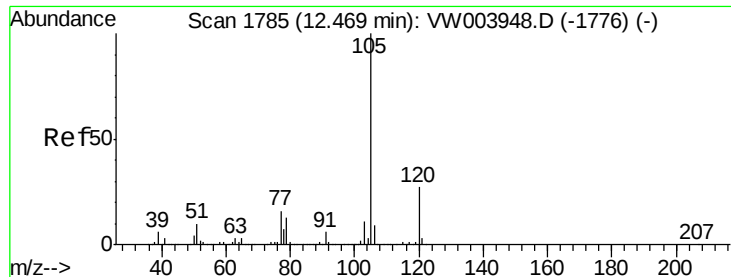
115 59.7 29.2 87.6

150 175.0 0.0 345.2



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: 51.808 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

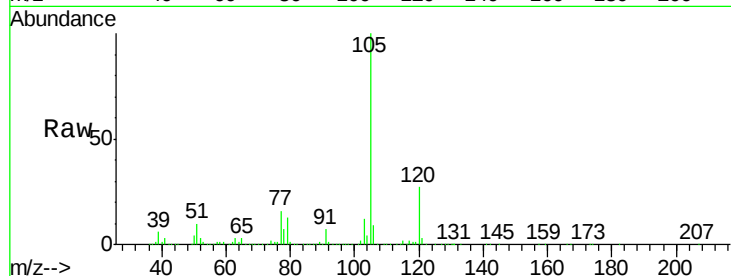
ClientSampleId :

Tot Ion:105 Resp: 254227

Ion Ratio Lower Upper

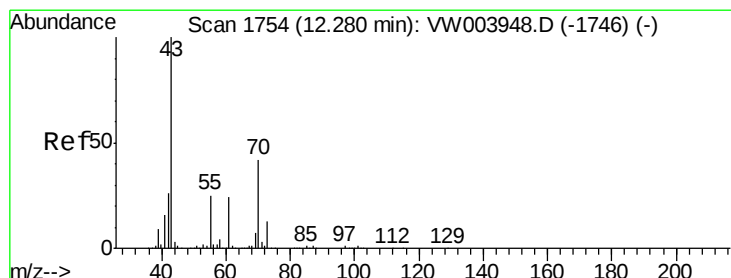
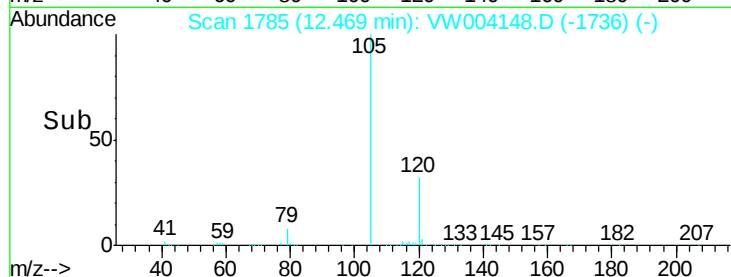
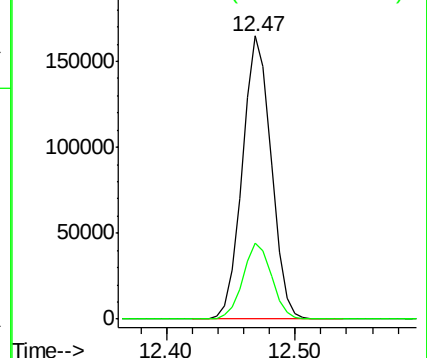
105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.154 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Tgt Ion: 43 Resp: 53899

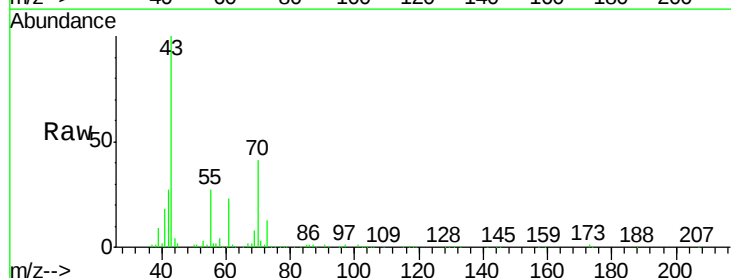
Ion Ratio Lower Upper

43 100

70 41.5 31.6 47.4

55 27.0 20.0 30.0

61 22.5 18.5 27.7

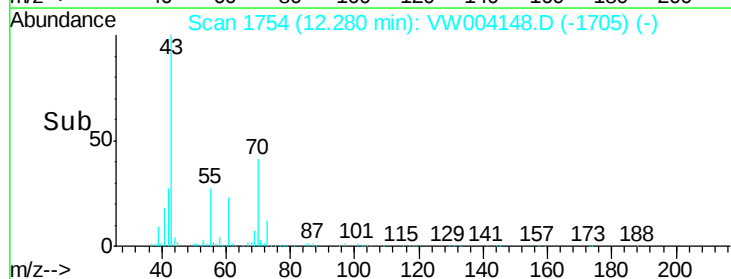
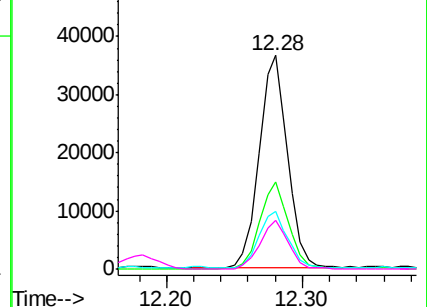


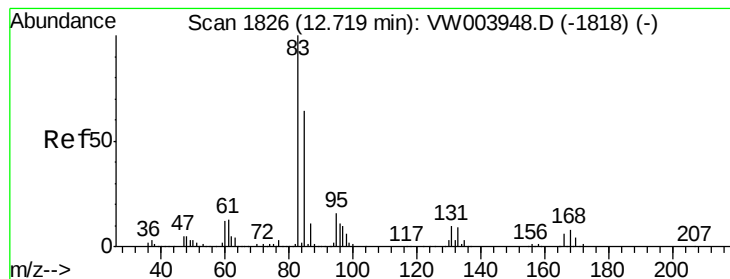
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 66.143 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampled :

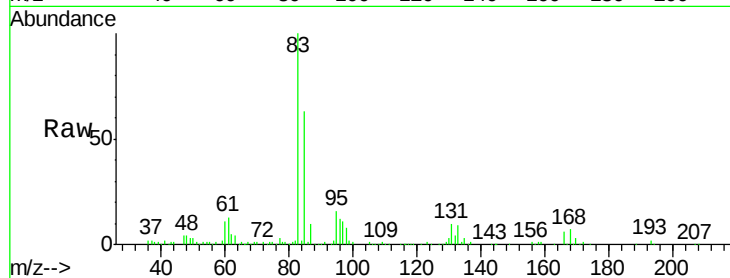
Tot Ion: 83 Resp: 62770

Ion Ratio Lower Upper

83 100

131 11.8 5.3 15.8

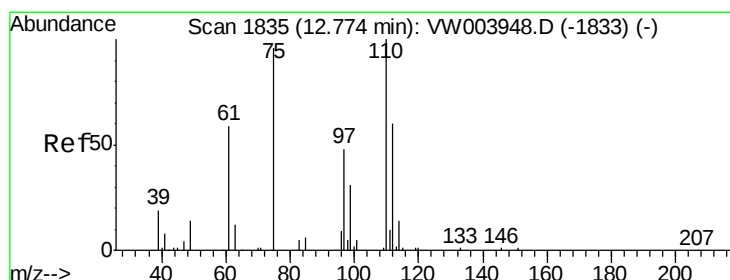
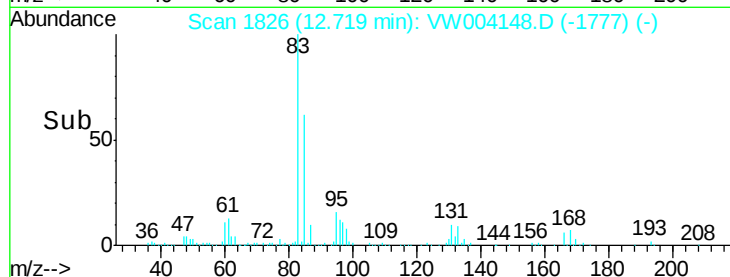
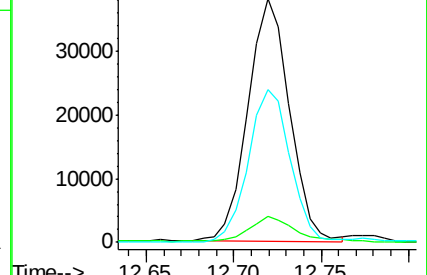
85 63.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 113.214 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004148.D

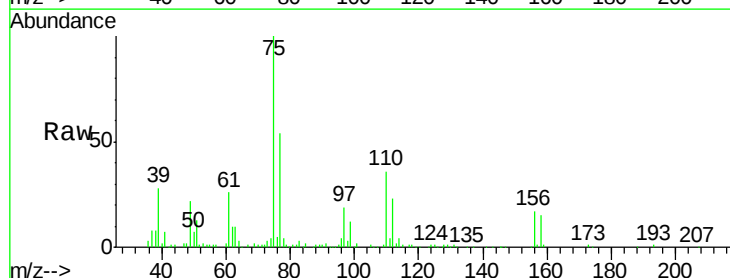
Acq: 23 Jul 2018 19:57

Tgt Ion: 75 Resp: 78053

Ion Ratio Lower Upper

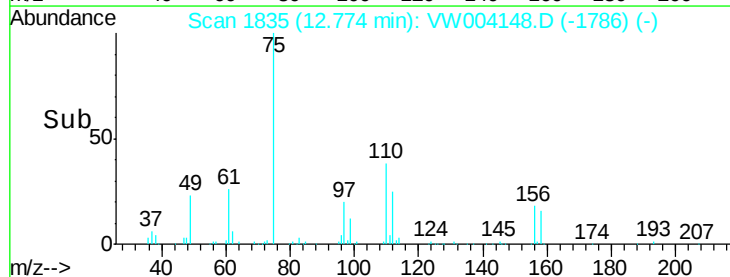
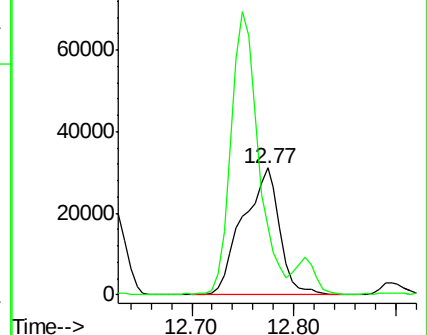
75 100

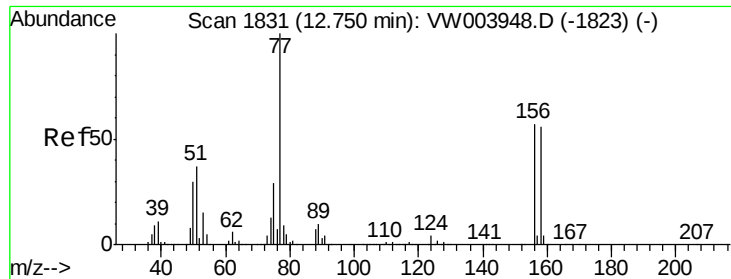
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.158 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

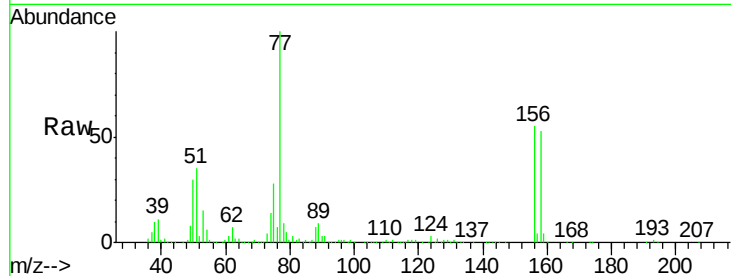
Tot Ion:156 Resp: 64767

Ion Ratio Lower Upper

156 100

77 198.9 96.2 288.6

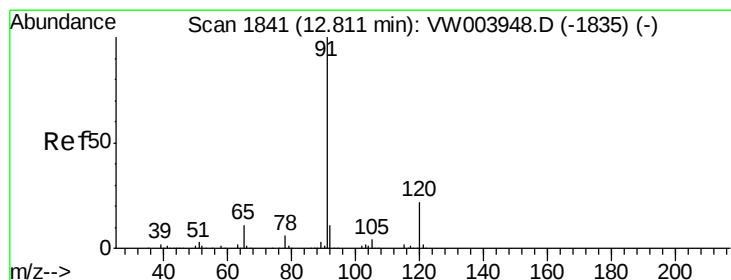
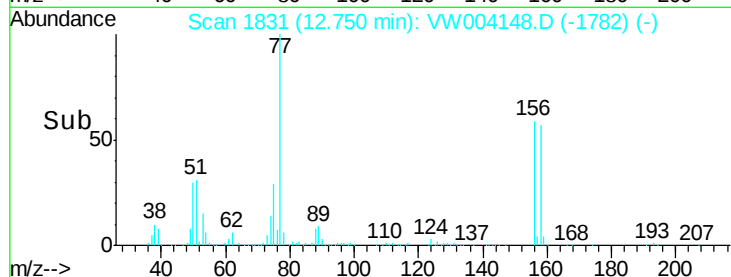
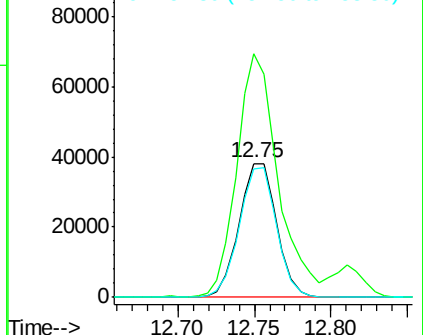
158 96.5 48.5 145.5



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: 50.999 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004148.D

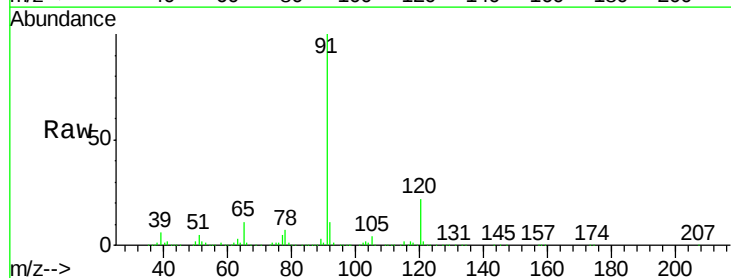
Acq: 23 Jul 2018 19:57

Tgt Ion: 91 Resp: 307025

Ion Ratio Lower Upper

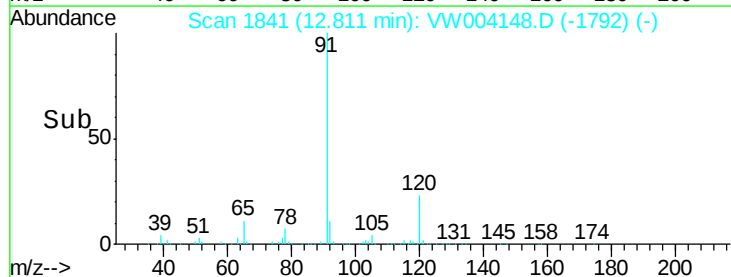
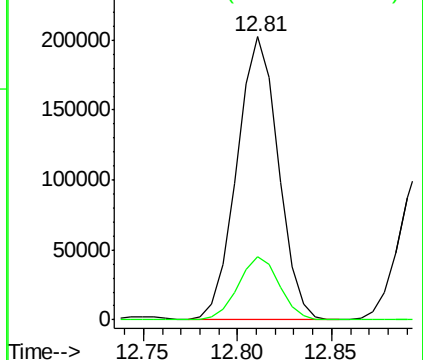
91 100

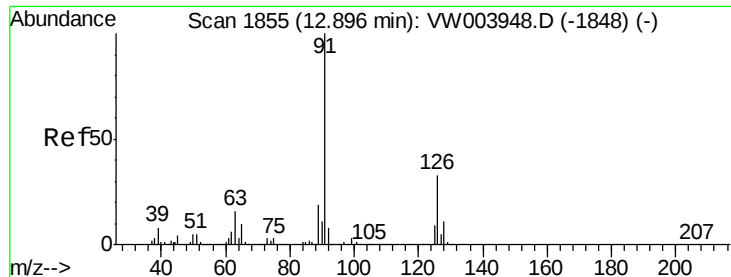
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.673 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

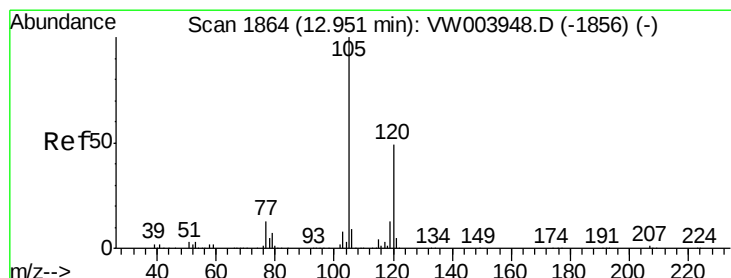
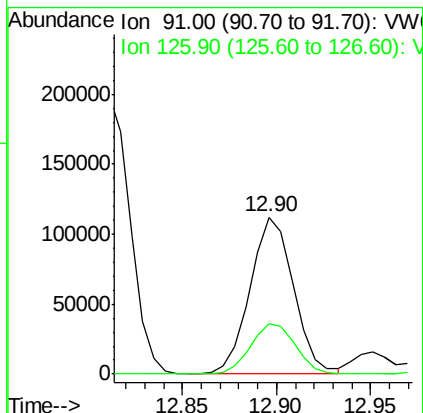
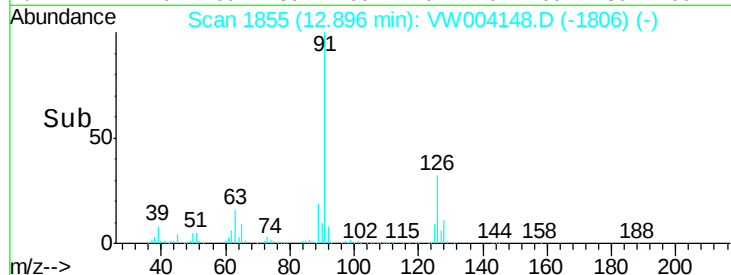
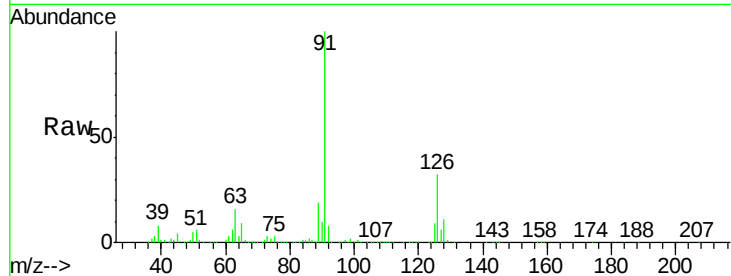
ClientSampled :

Tot Ion: 91 Resp: 178848

Ion Ratio Lower Upper

91 100

126 33.0 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 50.722 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004148.D

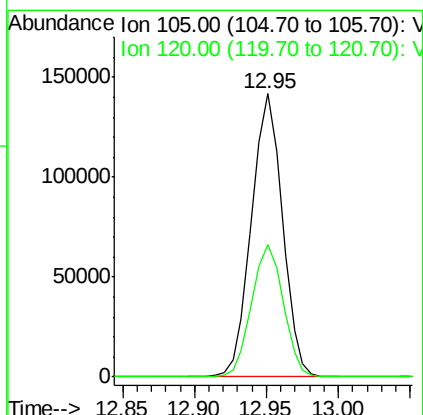
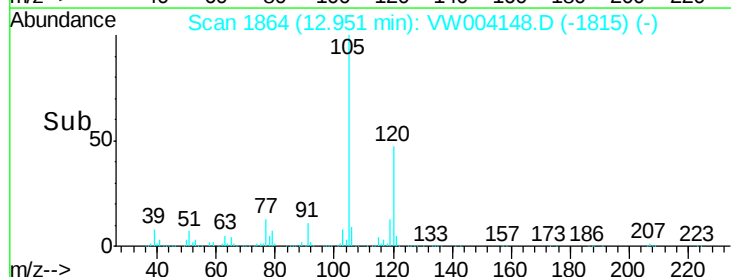
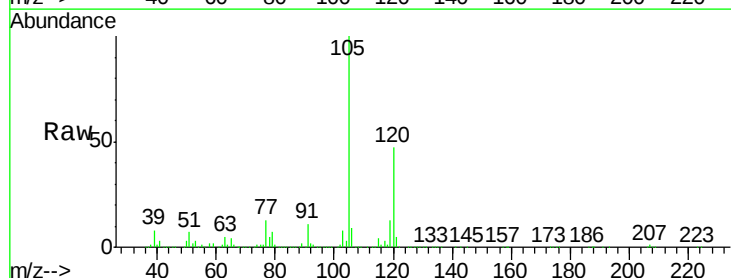
Acq: 23 Jul 2018 19:57

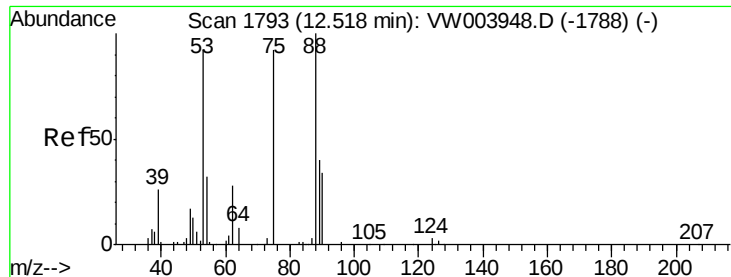
Tgt Ion:105 Resp: 209459

Ion Ratio Lower Upper

105 100

120 48.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.075 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

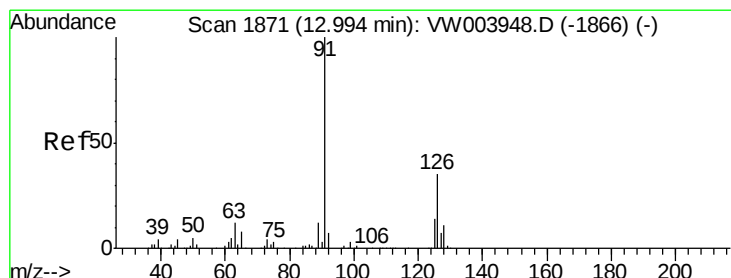
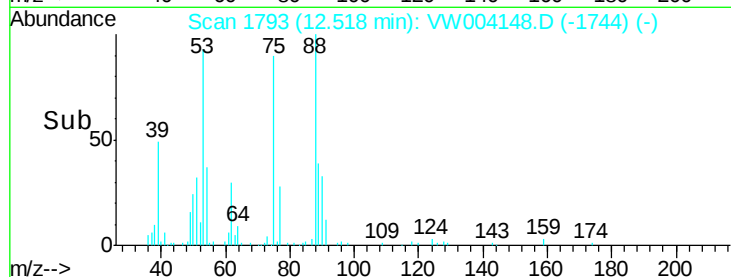
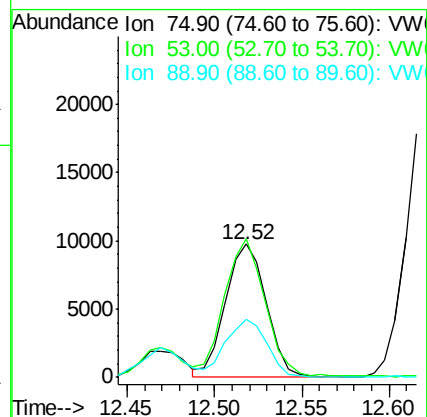
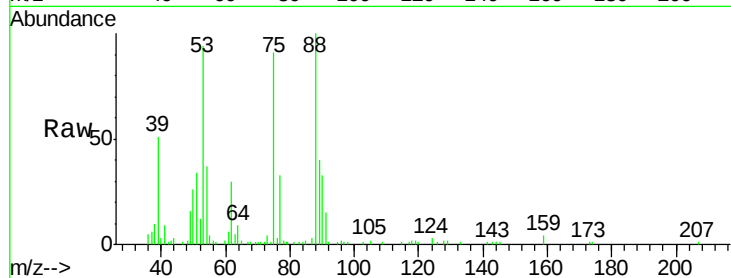
Tot Ion: 75 Resp: 15919

Ion Ratio Lower Upper

75 100

53 103.1 77.6 116.4

89 43.5 36.6 54.8



#82

4-Chlorotoluene

Concen: 52.413 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004148.D

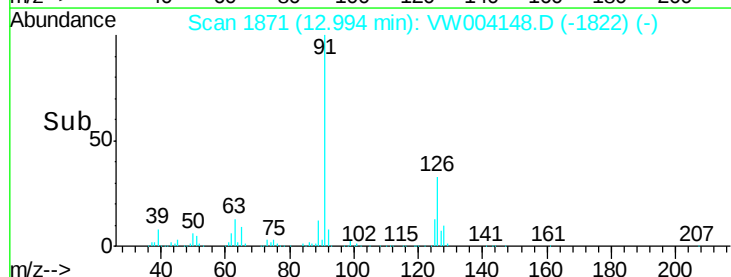
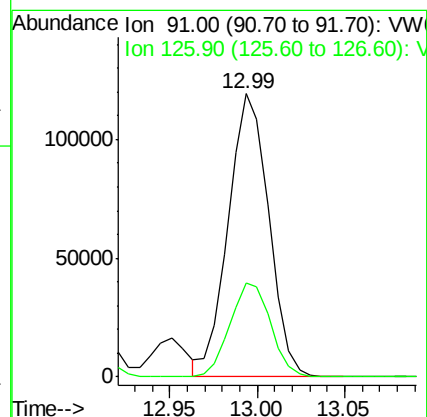
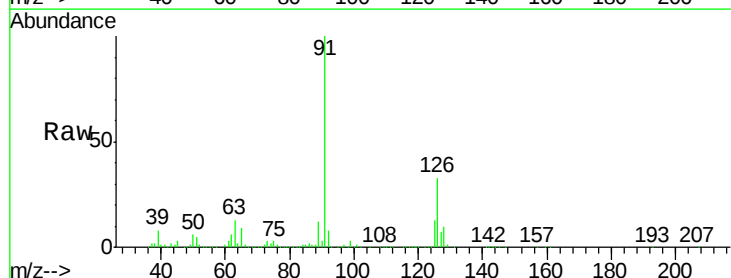
Acq: 23 Jul 2018 19:57

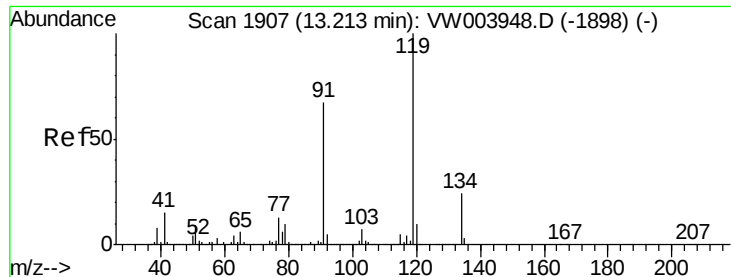
Tgt Ion: 91 Resp: 190984

Ion Ratio Lower Upper

91 100

126 33.5 16.7 50.0

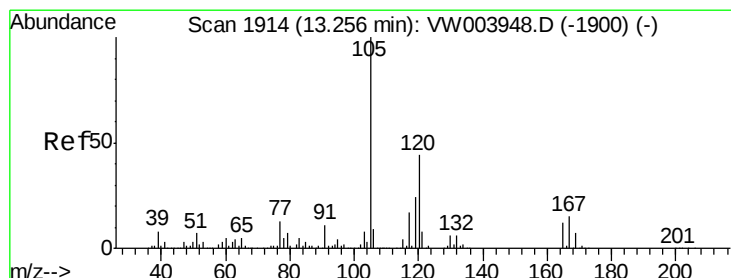
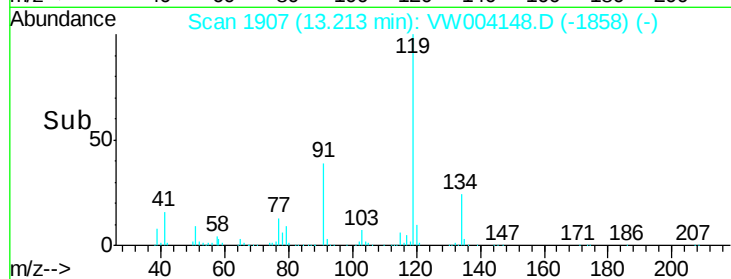
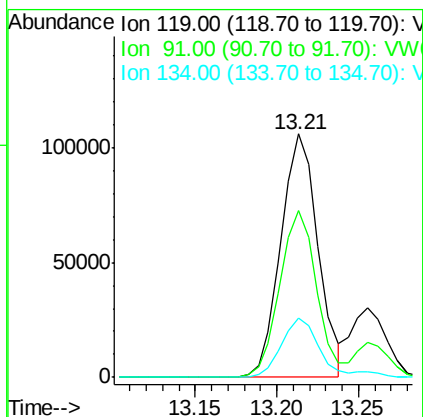
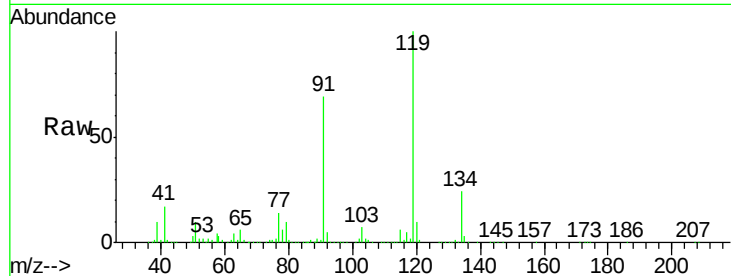




#83
tert-Butylbenzene
Concen: 48.472 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

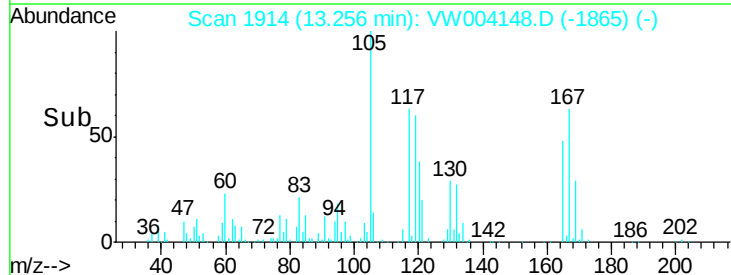
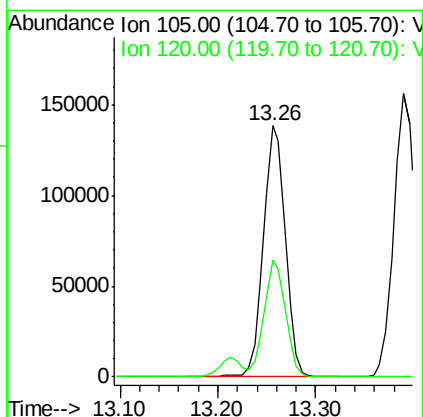
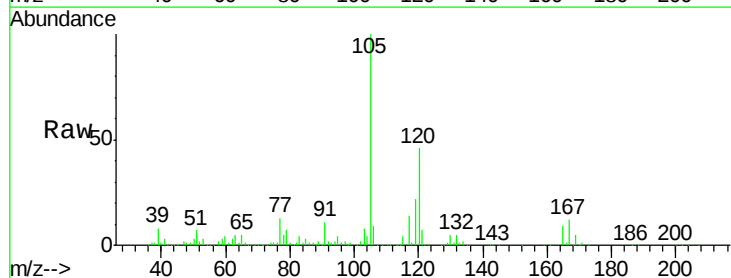
Instrument :
MSVOA_W
ClientSampleId :

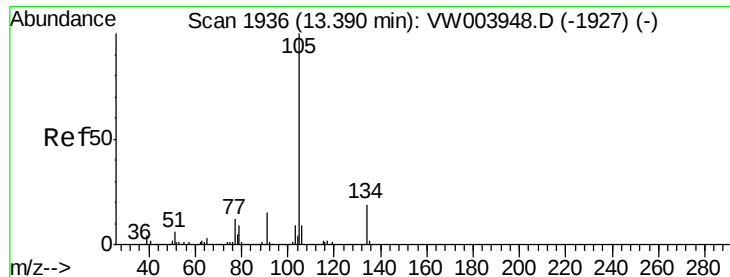
Tot Ion:119 Resp: 168055
Ion Ratio Lower Upper
119 100
91 66.9 33.2 99.6
134 25.8 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 50.522 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion:105 Resp: 214653
Ion Ratio Lower Upper
105 100
120 45.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 46.315 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

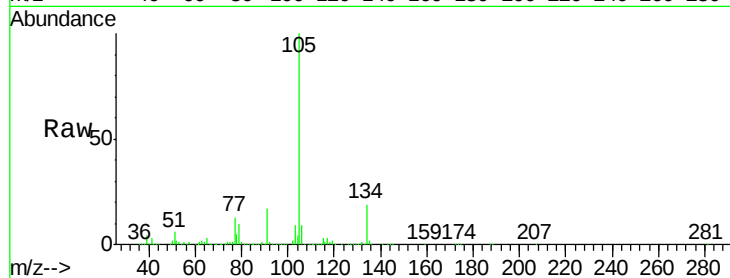
ClientSampleId :

Tot Ion:105 Resp: 238257

Ion Ratio Lower Upper

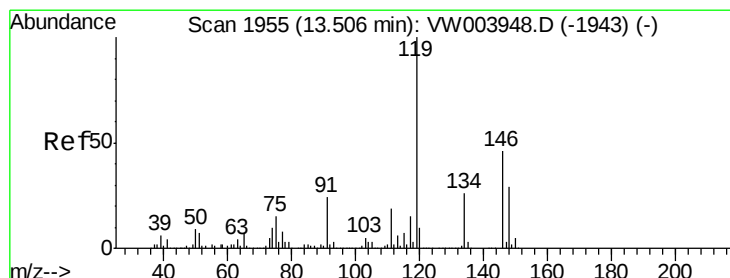
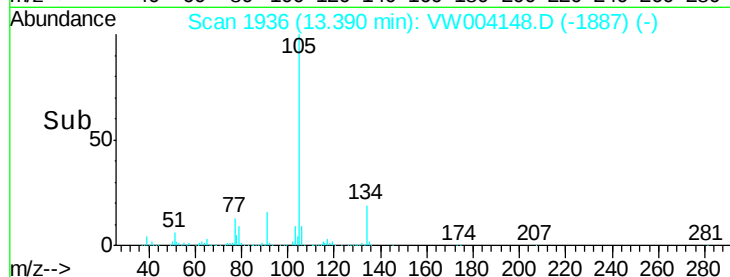
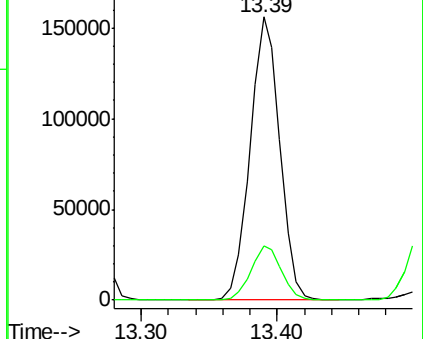
105 100

134 19.6 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.836 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

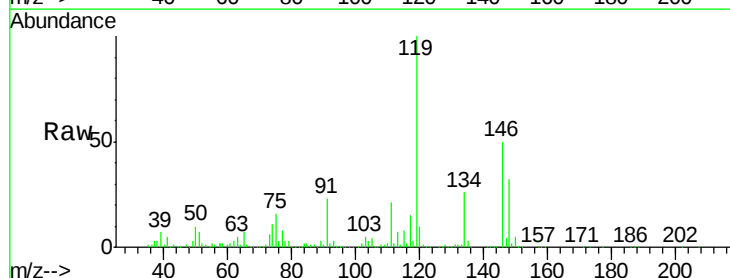
Tgt Ion:119 Resp: 211337

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

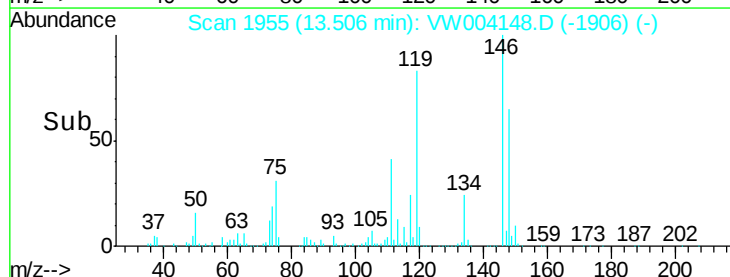
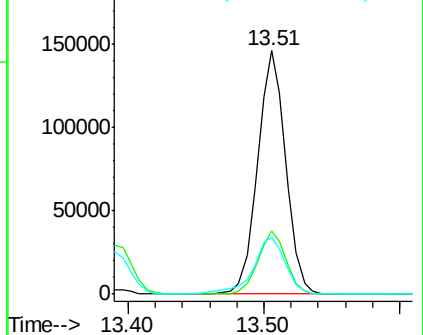
91 26.0 11.8 35.3

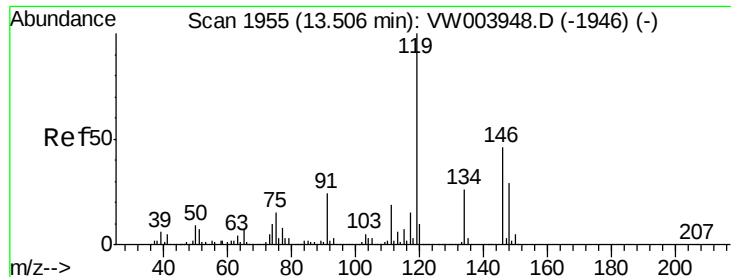


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

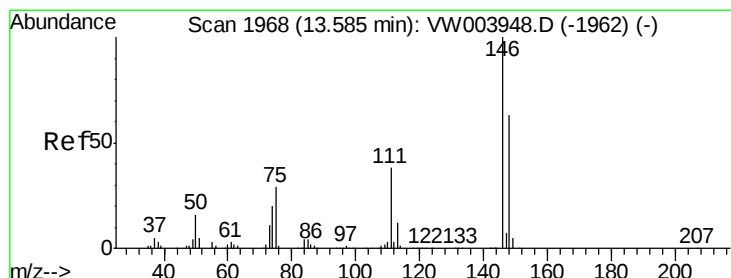
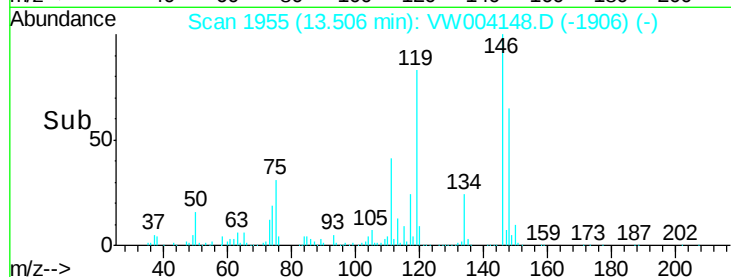
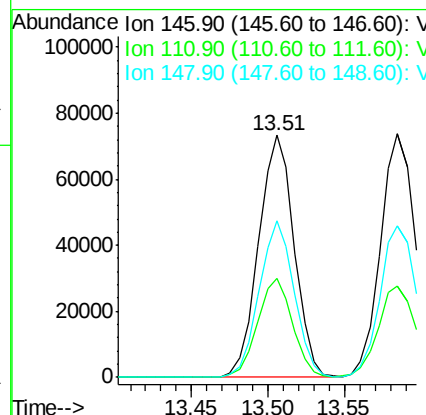
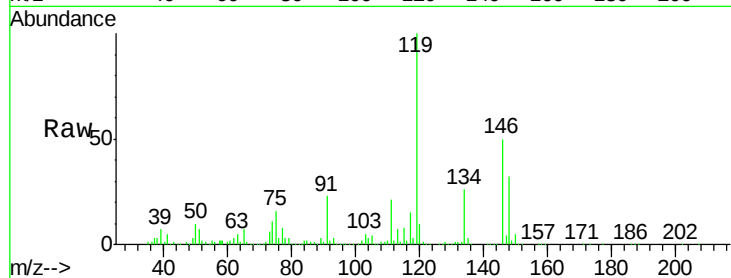




#87
 1,3-Dichlorobenzene
 Concen: 50.578 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

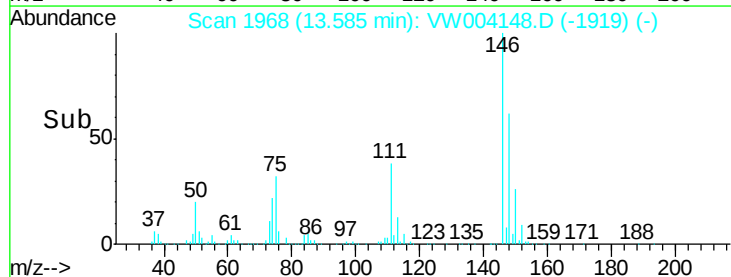
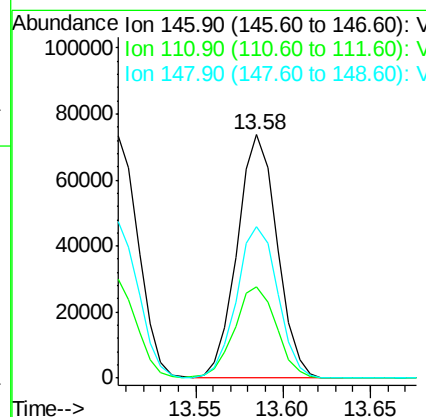
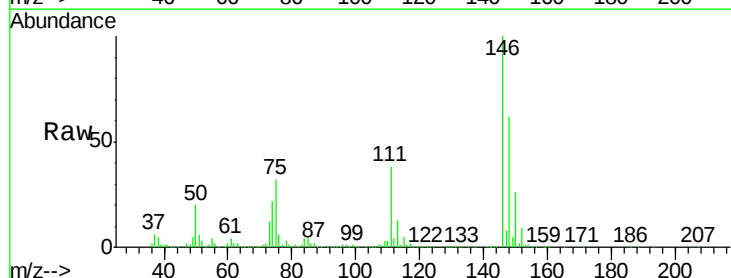
Instrument :
 MSVOA_W
 ClientSampled :

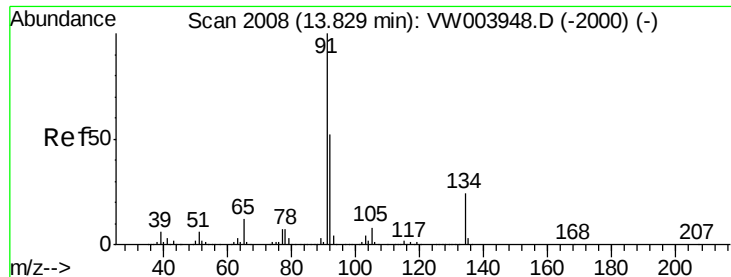
Tot Ion:146 Resp: 118616
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.9 59.6
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.857 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004148.D
 Acq: 23 Jul 2018 19:57

Tgt Ion:146 Resp: 117262
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.6 58.7
 148 64.1 32.3 96.8





#89

n-Butylbenzene

Concen: 40.900 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampled :

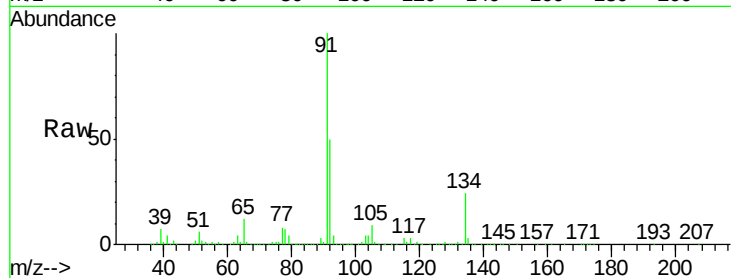
Tot Ion: 91 Resp: 181425

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.3

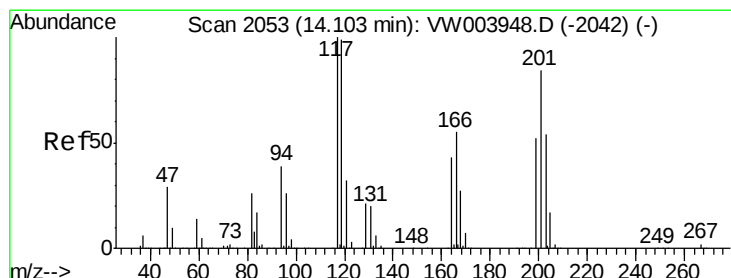
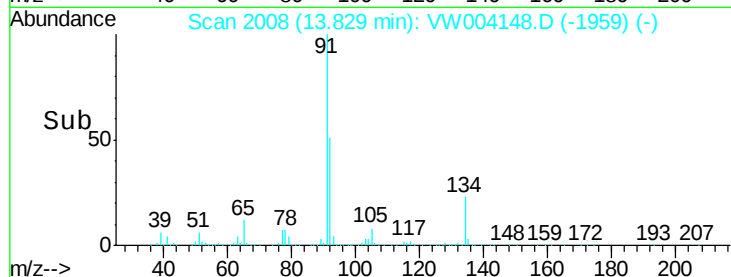
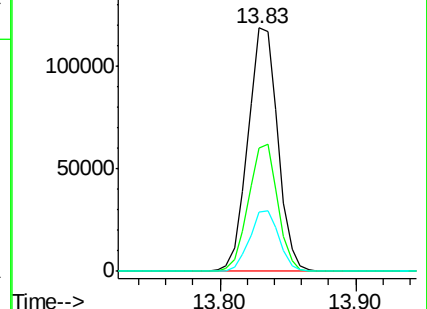
134 24.9 12.4 37.4



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: 45.202 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004148.D

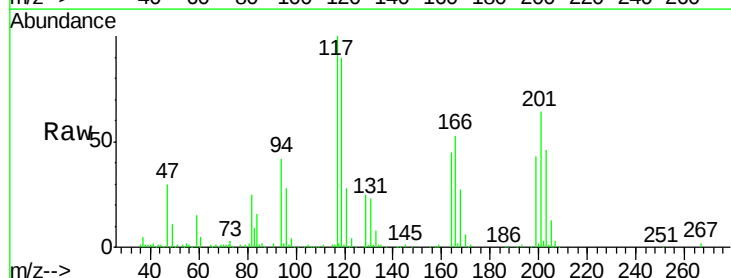
Acq: 23 Jul 2018 19:57

Tgt Ion: 117 Resp: 37598

Ion Ratio Lower Upper

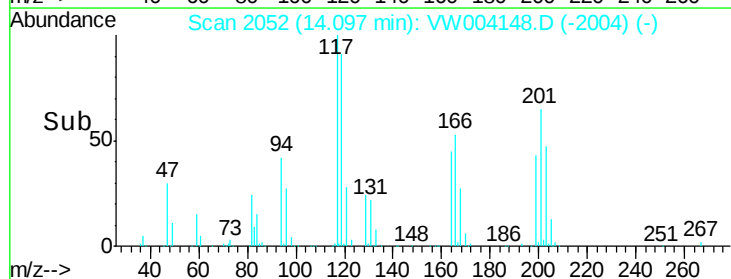
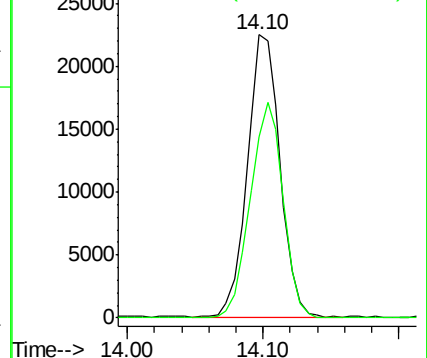
117 100

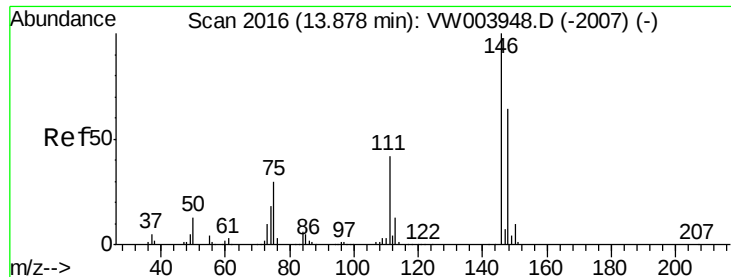
201 76.9 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 53.260 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

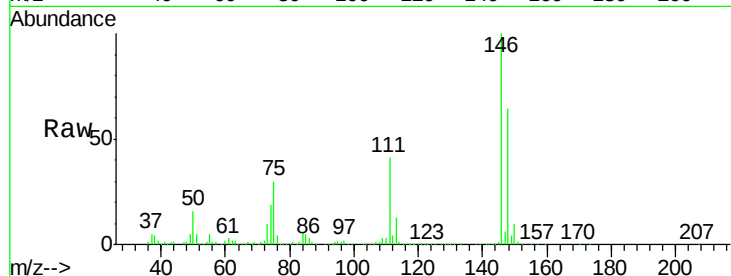
Tot Ion:146 Resp: 111285

Ion Ratio Lower Upper

146 100

111 41.0 20.7 62.1

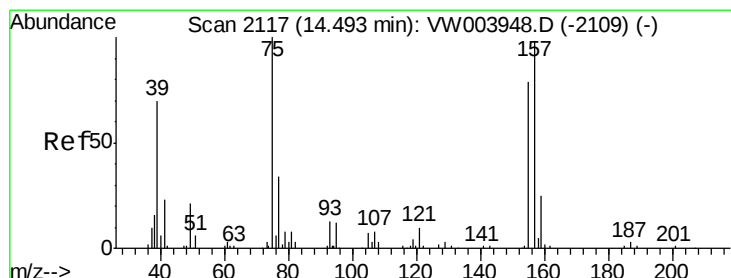
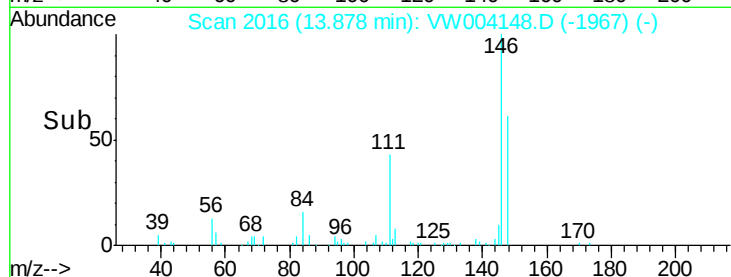
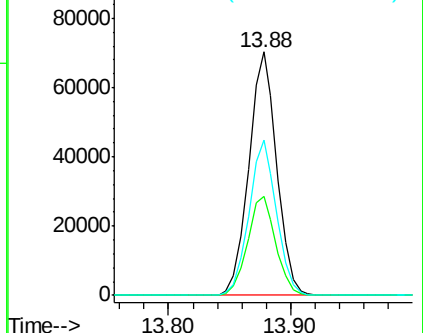
148 62.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 65.279 ug/l

RT: 14.49 min Scan# 2116

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

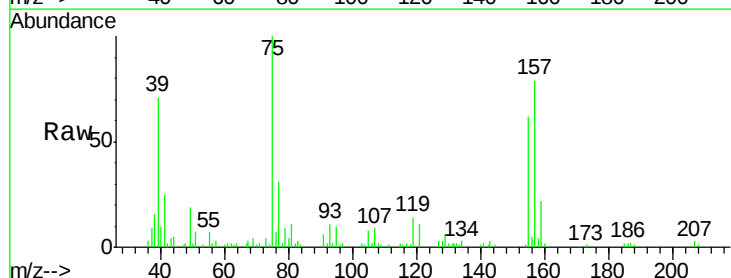
Tgt Ion: 75 Resp: 11016

Ion Ratio Lower Upper

75 100

155 81.4 39.4 118.1

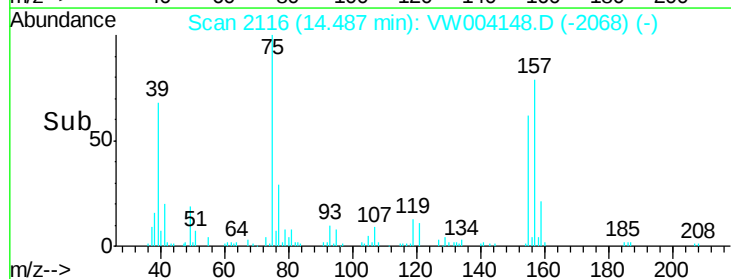
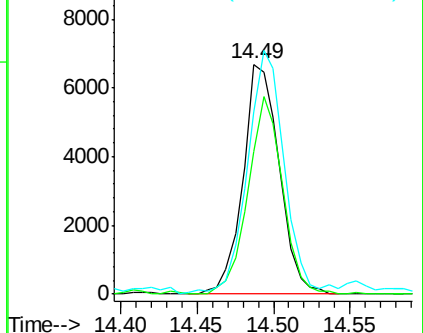
157 103.9 51.8 155.4

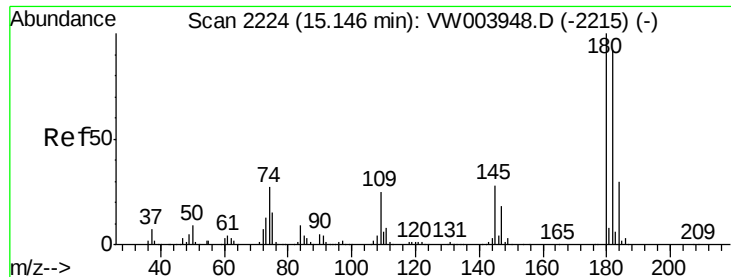


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 40.898 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

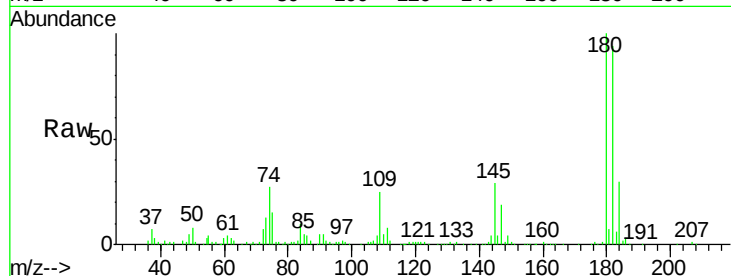
Tot Ion:180 Resp: 60017

Ion Ratio Lower Upper

180 100

182 96.7 46.9 140.8

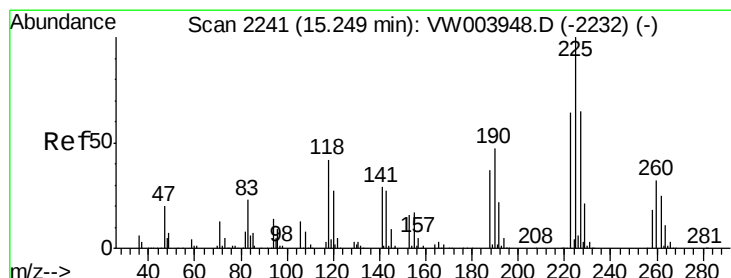
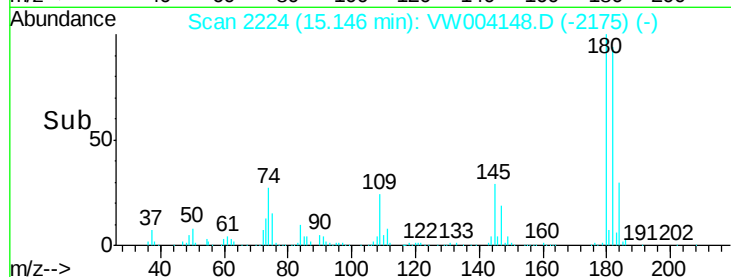
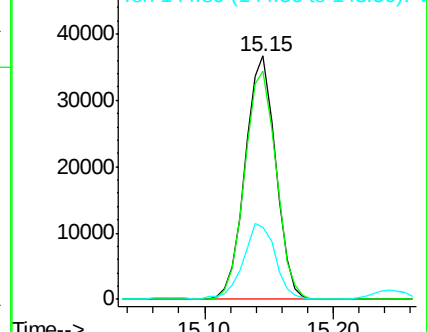
145 32.5 15.0 45.0



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: 28.568 ug/l

RT: 15.24 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW004148.D

Acq: 23 Jul 2018 19:57

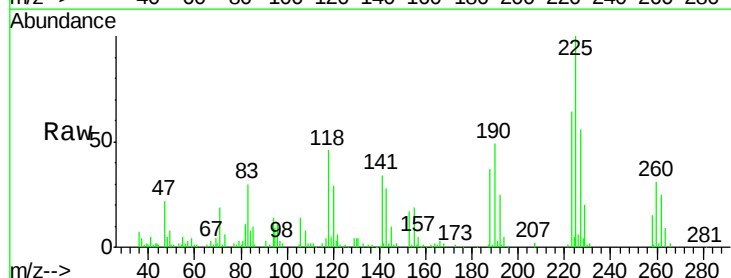
Tgt Ion:225 Resp: 24074

Ion Ratio Lower Upper

225 100

223 63.5 32.0 96.2

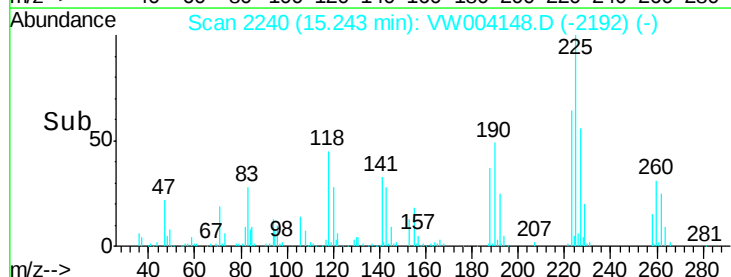
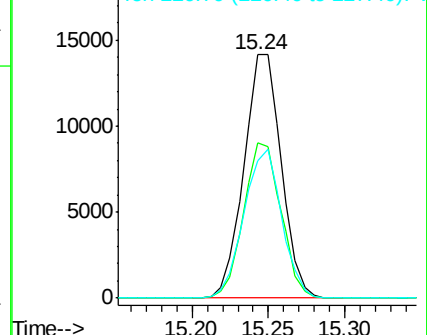
227 61.4 32.3 96.9

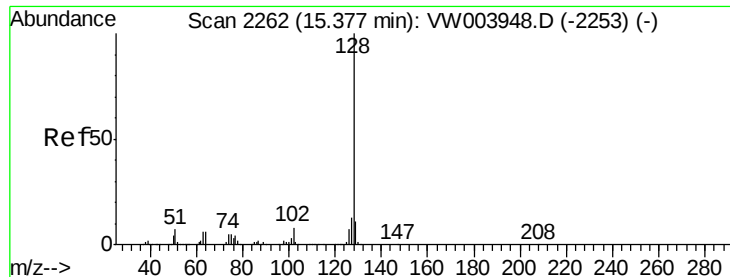


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

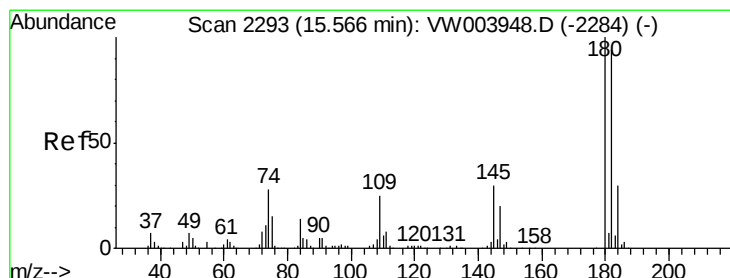
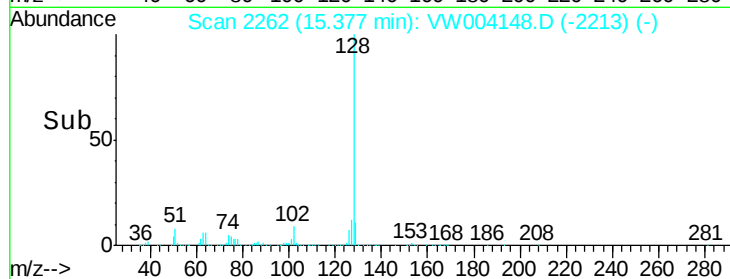
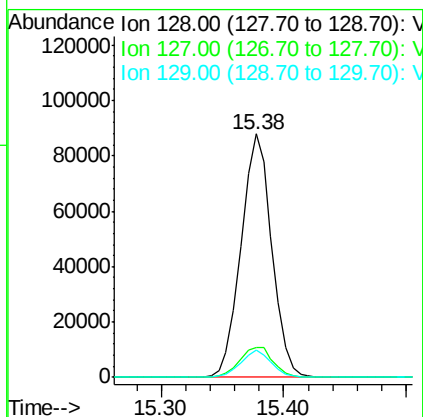
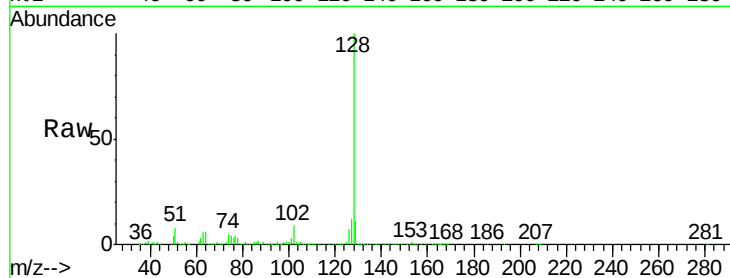




#95
Naphthalene
Concen: 56.075 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 151885
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 43.485 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004148.D
Acq: 23 Jul 2018 19:57

Tgt Ion:180 Resp: 56499
Ion Ratio Lower Upper
180 100
182 92.4 47.5 142.6
145 35.3 15.8 47.4

