

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004784.D
 Acq On : 20 Aug 2018 11:57
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 14:26:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	683038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	989242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	873625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	466236	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	288200	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	7.88	113	304551	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	10.33	98	1247505	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	436142	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	232058	51.290	ug/l	96
3) Chloromethane	2.22	50	287435	48.590	ug/l	100
4) Vinyl Chloride	2.37	62	447899	51.439	ug/l	98
5) Bromomethane	2.79	94	279735	52.019	ug/l	100
6) Chloroethane	2.93	64	273291	52.017	ug/l	100
7) Trichlorofluoromethane	3.26	101	253087	61.698	ug/l	100
8) Diethyl Ether	3.68	74	169752	45.770	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	363303	51.433	ug/l	98
10) Methyl Iodide	4.26	142	549301	51.205	ug/l	99
11) Tert butyl alcohol	5.22	59	82354	223.223	ug/l	99
12) 1,1-Dichloroethene	4.03	96	343393	48.785	ug/l	98
13) Acrolein	3.90	56	119555	241.486	ug/l	98
14) Allyl chloride	4.67	41	527477	49.380	ug/l	99
15) Acrylonitrile	5.37	53	341798	219.752	ug/l	99
16) Acetone	4.14	43	412276	244.567	ug/l	99
17) Carbon Disulfide	4.37	76	1165429	50.382	ug/l	99
18) Methyl Acetate	4.67	43	155905	43.158	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	444075	48.601	ug/l	97
20) Methylene Chloride	4.91	84	389417	50.651	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	373218	49.834	ug/l	97
22) Diisopropyl ether	6.31	45	1019147	49.638	ug/l	99
23) Vinyl Acetate	6.26	43	2745818	236.440	ug/l	98
24) 1,1-Dichloroethane	6.22	63	631430	47.326	ug/l	100
25) 2-Butanone	7.18	43	536449	223.347	ug/l	98
26) 2,2-Dichloropropane	7.17	77	406424	52.740	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	396675	49.200	ug/l	100
28) Bromochloromethane	7.51	49	248673	44.260	ug/l	98
29) Tetrahydrofuran	7.54	42	265665	216.911	ug/l	99
30) Chloroform	7.68	83	627874	47.849	ug/l	99
31) Cyclohexane	7.96	56	636394	49.313	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	527325	50.696	ug/l	100
36) 1,1-Dichloropropene	8.09	75	523311	51.351	ug/l	99
37) Ethyl Acetate	7.26	43	183989	45.291	ug/l	98
38) Carbon Tetrachloride	8.07	117	497897	53.076	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	700420	54.959	ug/l	96
40) Benzene	8.33	78	1493493	50.427	ug/l	99
41) Methacrylonitrile	7.49	41	117787	51.090	ug/l	97
42) 1,2-Dichloroethane	8.40	62	357389	47.058	ug/l	99
43) Isopropyl Acetate	8.43	43	334513	45.843	ug/l	99
44) Trichloroethene	9.09	130	381099	50.691	ug/l	100
45) 1,2-Dichloropropane	9.37	63	358158	49.438	ug/l	99
46) Dibromomethane	9.46	93	169190	47.141	ug/l	99
47) Bromodichloromethane	9.65	83	420226	49.026	ug/l	99
48) Methyl methacrylate	9.44	41	172008	50.236	ug/l	96
49) 1,4-Dioxane	9.48	88	56488	1077.282	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	1128062	228.739	ug/l	98
52) Toluene	10.39	92	917856	51.674	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	436452	50.540	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	526803	51.170	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	244073	47.842	ug/l	98
56) Ethyl methacrylate	10.65	69	297126	44.903	ug/l	100
57) 1,3-Dichloropropane	10.94	76	423893	48.135	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	698407	247.884	ug/l	100
59) 2-Hexanone	10.98	43	798941	239.095	ug/l	99
60) Dibromochloromethane	11.13	129	280324	48.975	ug/l	99
61) 1,2-Dibromoethane	11.24	107	230324	47.230	ug/l	97
64) Tetrachloroethene	10.87	164	320812	53.733	ug/l	99
65) Chlorobenzene	11.66	112	951513	50.604	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	330507	52.057	ug/l	97
67) Ethyl Benzene	11.74	91	1727081	54.180	ug/l	98
68) m/p-Xylenes	11.85	106	1361678	109.797	ug/l	100
69) o-Xylene	12.17	106	641707	55.894	ug/l	97
70) Styrene	12.19	104	1070871	55.528	ug/l	99
71) Bromoform	12.35	173	170964	51.018	ug/l #	99
73) Isopropylbenzene	12.47	105	1783415	56.226	ug/l	100
74) N-amyl acetate	12.28	43	321235	43.785	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	282184	48.025	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	373320	90.833	ug/l #	100
77) Bromobenzene	12.76	156	397347	51.755	ug/l	99
78) n-propylbenzene	12.81	91	2197412	56.773	ug/l	100
79) 2-Chlorotoluene	12.90	91	1227067	55.000	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1469645	54.539	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	88293	49.931	ug/l	99
82) 4-Chlorotoluene	12.99	91	1274577	53.769	ug/l	100
83) tert-Butylbenzene	13.21	119	1308790	56.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1539354	55.524	ug/l	100
85) sec-Butylbenzene	13.39	105	1914075	55.623	ug/l	99
86) p-Isopropyltoluene	13.51	119	1694104	56.580	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	818468	52.410	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	800752	51.297	ug/l	98
89) n-Butylbenzene	13.84	91	1602841	55.368	ug/l	99
90) Hexachloroethane	14.10	117	285537	52.318	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	727752	51.884	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	43114	46.949	ug/l	98

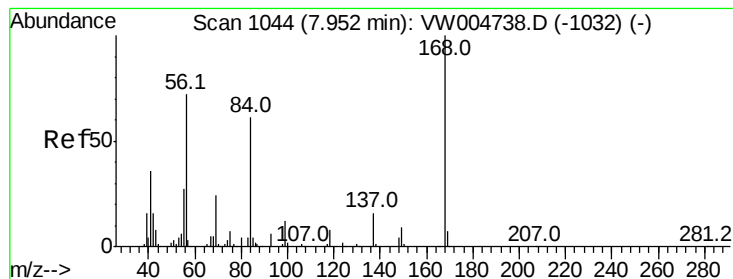
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	534005	53.827	ug/l	99
94) Hexachlorobutadiene	15.25	225	326524	53.622	ug/l	97
95) Naphthalene	15.38	128	884581	46.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	459606	52.242	ug/l	99

(#) = 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: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

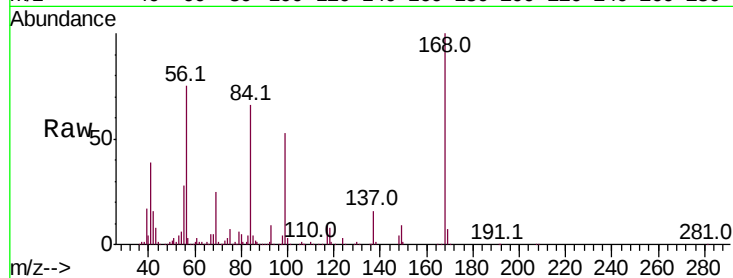
ClientSampleId :

Tot Ion:168 Resp: 683038

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

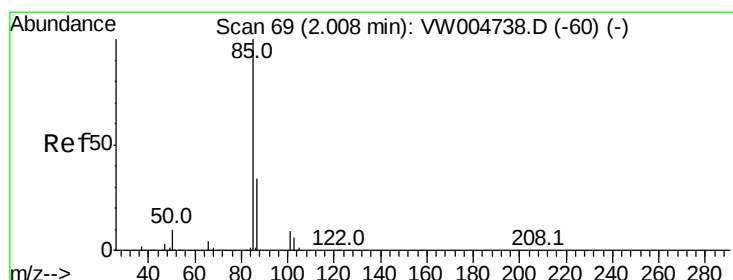
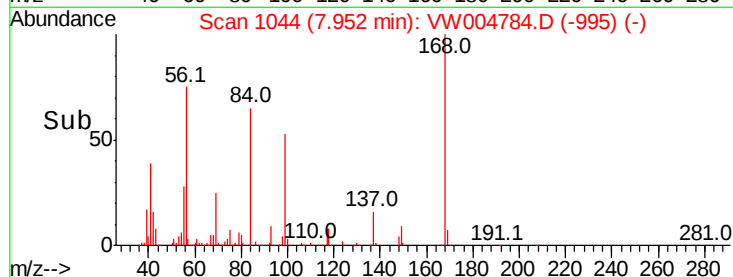
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.290 ug/l

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004784.D

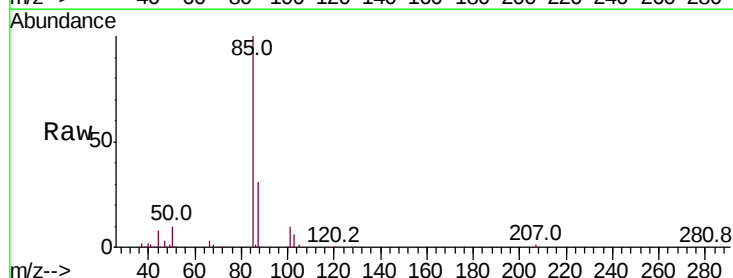
Acq: 20 Aug 2018 11:57

Tgt Ion: 85 Resp: 232058

Ion Ratio Lower Upper

85 100

87 31.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

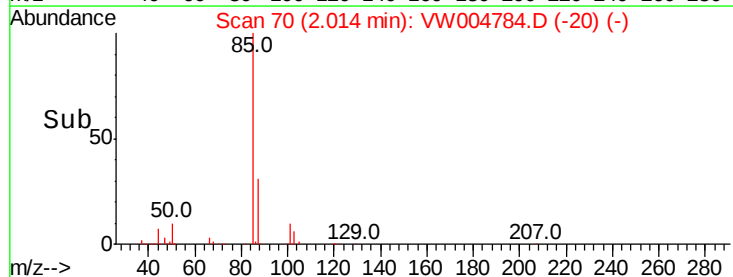
40000

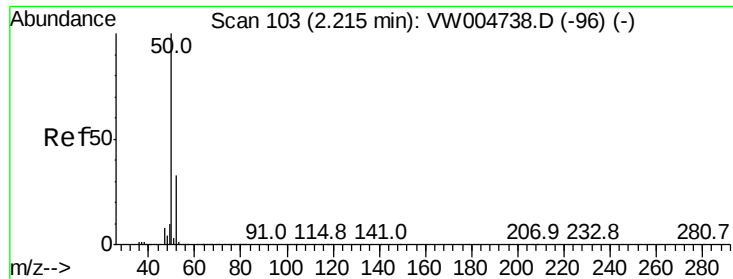
20000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 48.590 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

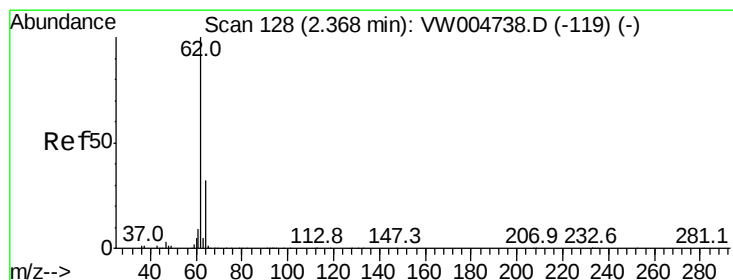
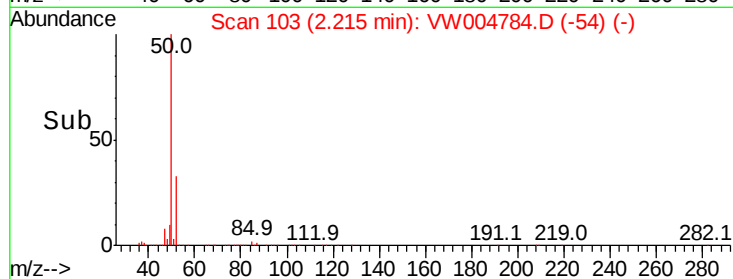
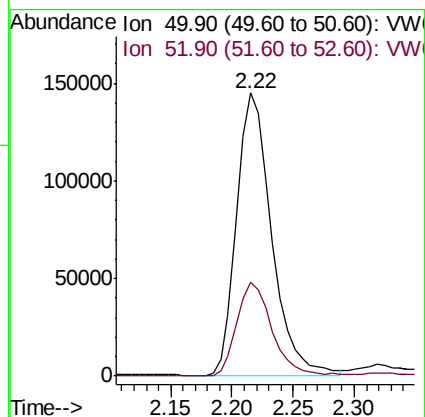
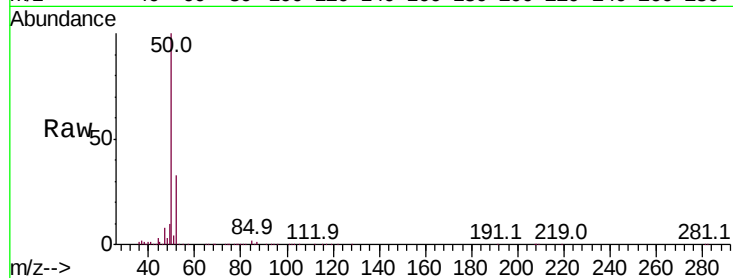
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 287435

Ion Ratio Lower Upper

50 100

52 33.2 26.7 40.1



#4

Vinyl Chloride

Concen: 51.439 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004784.D

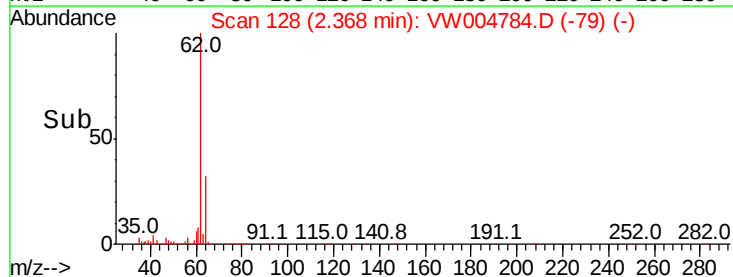
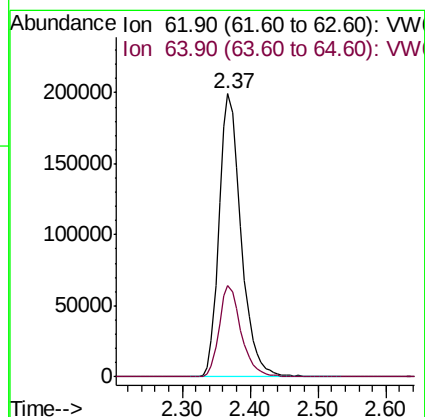
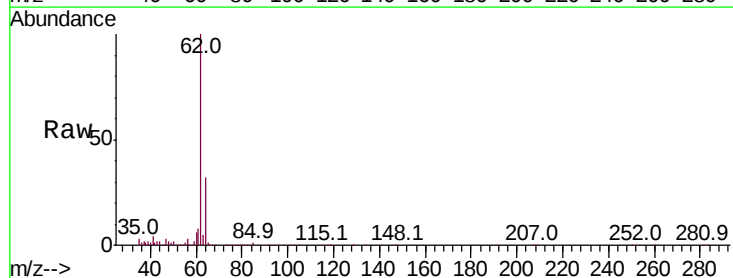
Acq: 20 Aug 2018 11:57

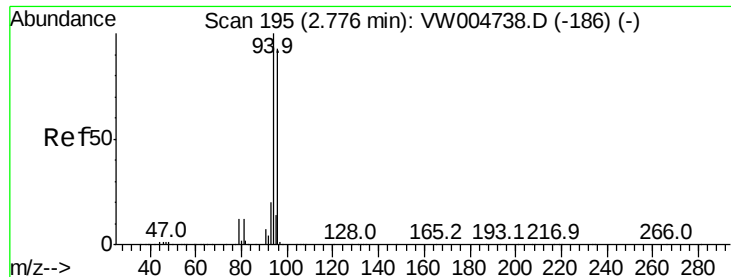
Tgt Ion: 62 Resp: 447899

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 52.019 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

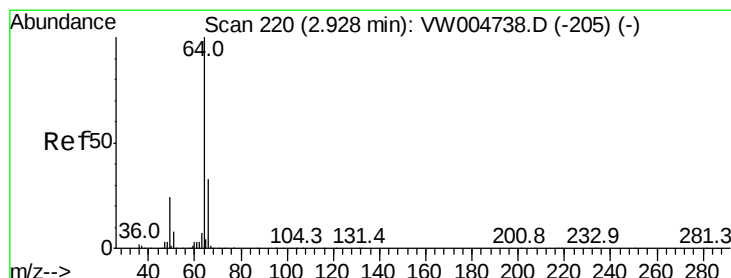
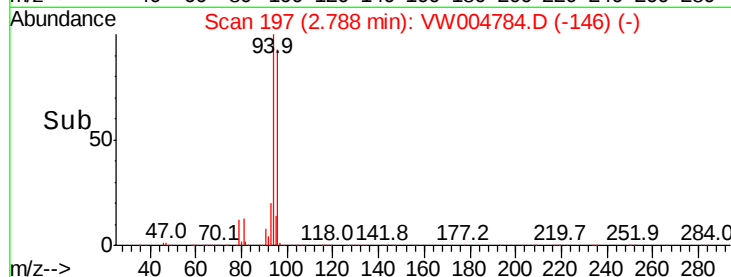
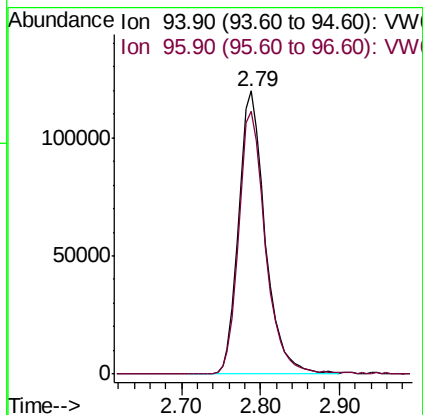
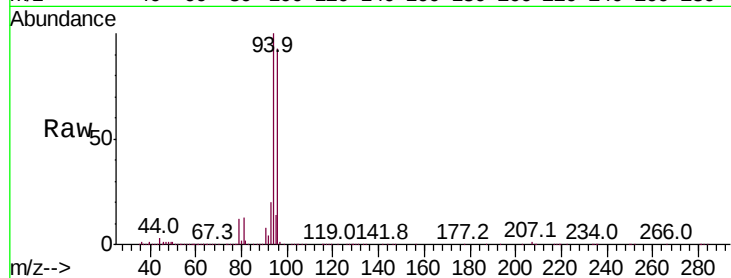
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 279735

Ion Ratio Lower Upper

94 100

96 92.5 74.3 111.5



#6

Chloroethane

Concen: 52.017 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004784.D

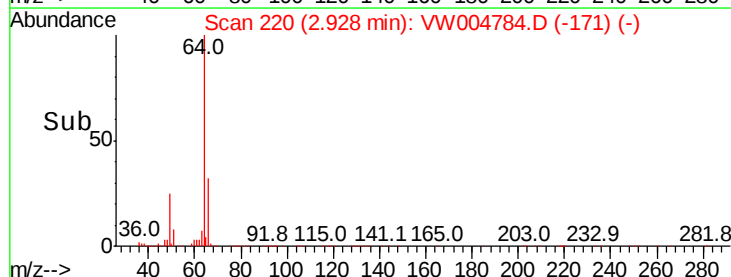
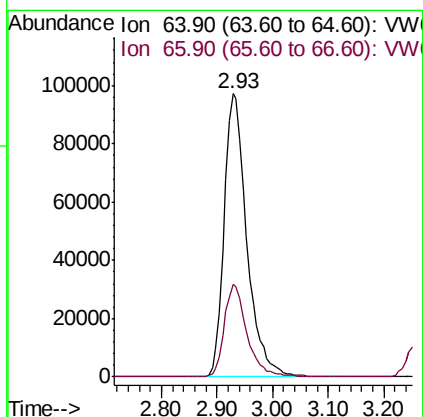
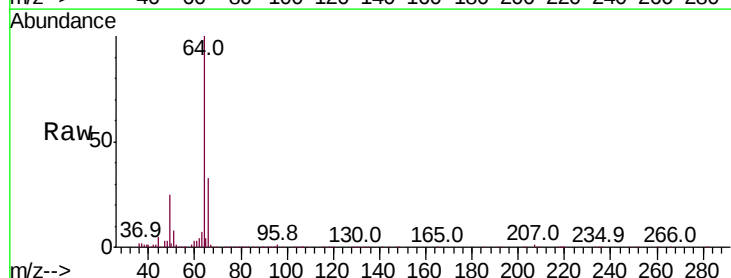
Acq: 20 Aug 2018 11:57

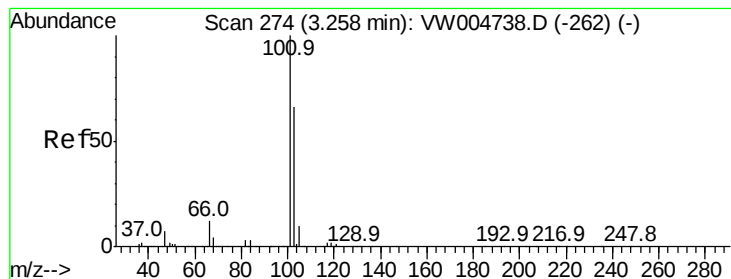
Tgt Ion: 64 Resp: 273291

Ion Ratio Lower Upper

64 100

66 32.5 26.1 39.1



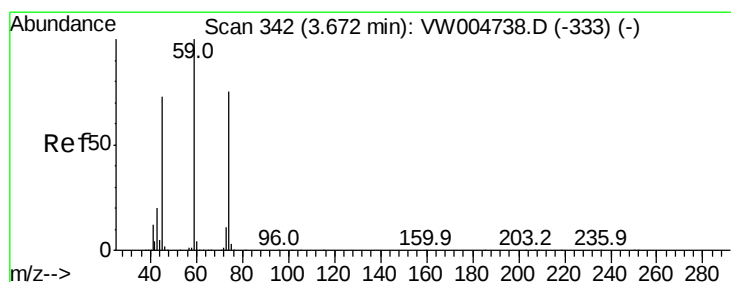
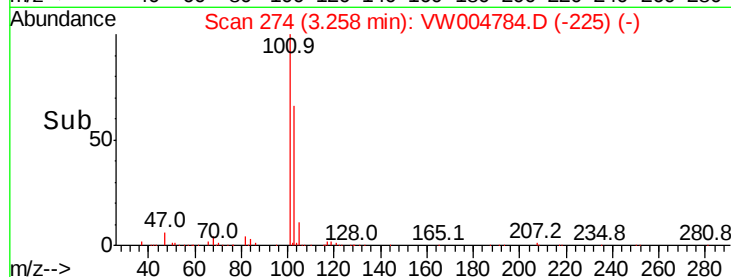
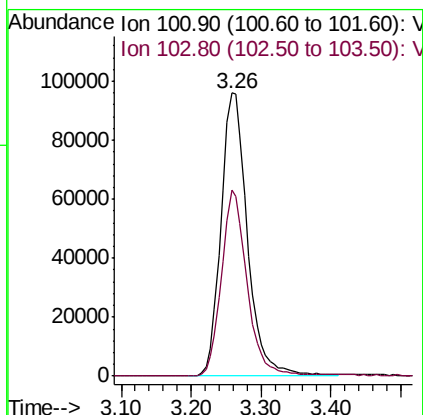
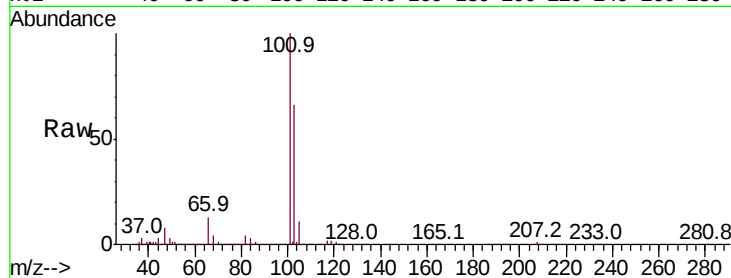


#7

Trichlorofluoromethane
 Concen: 61.698 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :

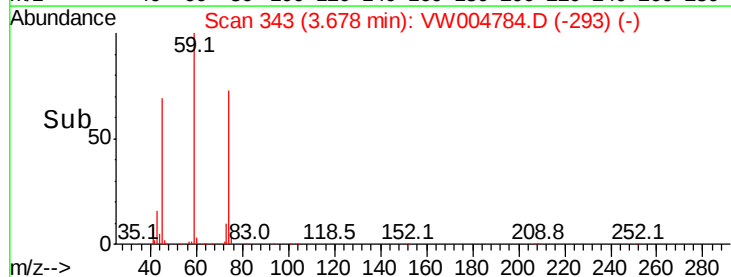
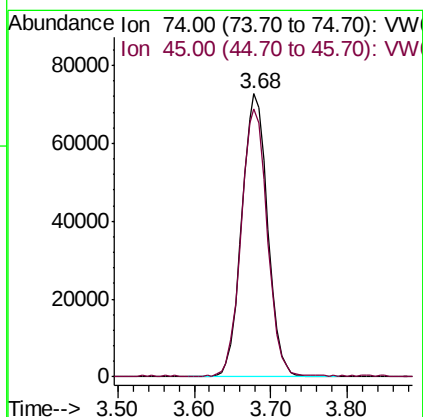
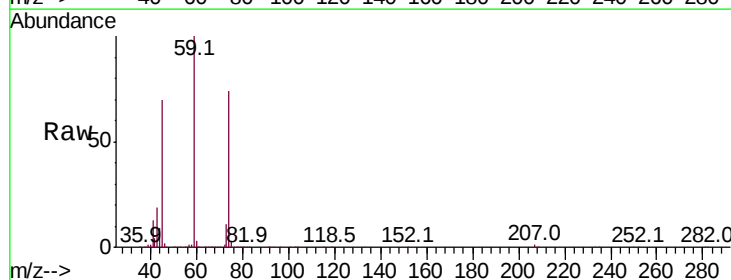
Tot Ion:101 Resp: 253087
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.5 78.7

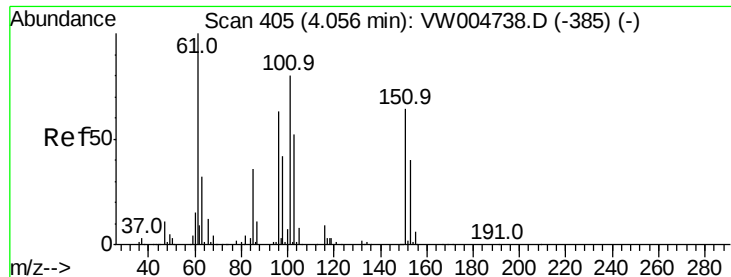


#8

Diethyl Ether
 Concen: 45.770 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion: 74 Resp: 169752
 Ion Ratio Lower Upper
 74 100
 45 95.6 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.433 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

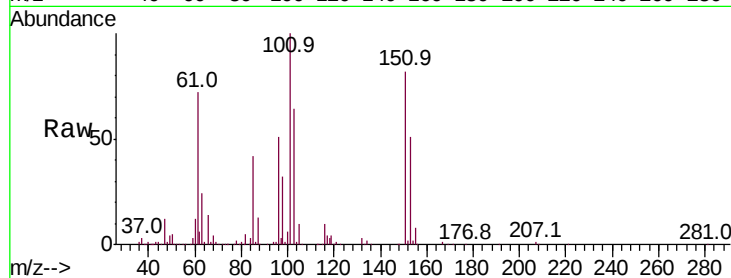
Tot Ion:101 Resp: 363303

Ion Ratio Lower Upper

101 100

85 41.7 33.9 50.9

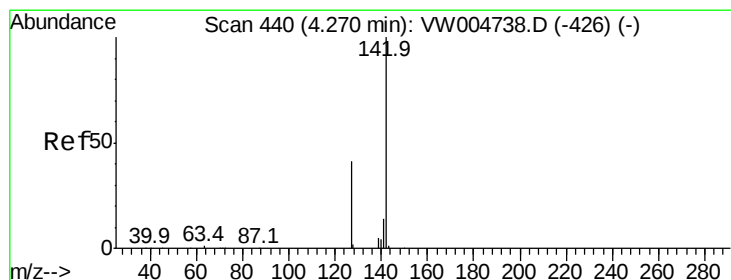
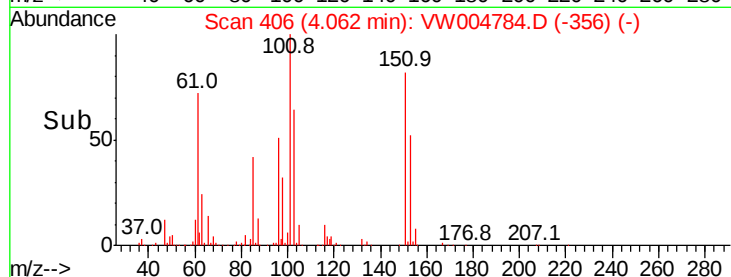
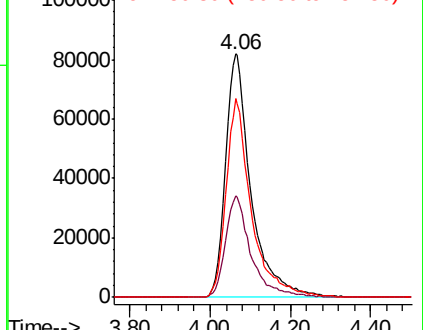
151 81.0 63.4 95.2



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: 51.205 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

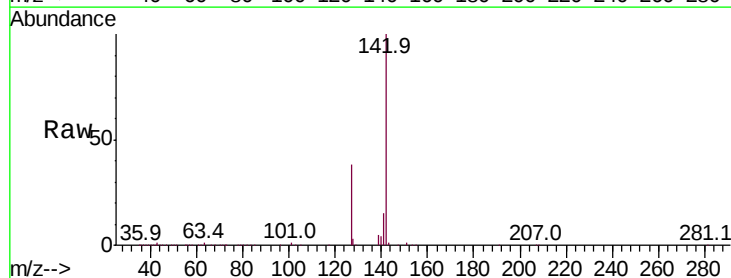
Tgt Ion:142 Resp: 549301

Ion Ratio Lower Upper

142 100

127 39.4 32.1 48.1

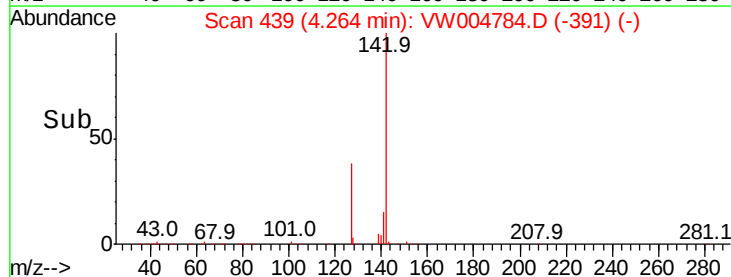
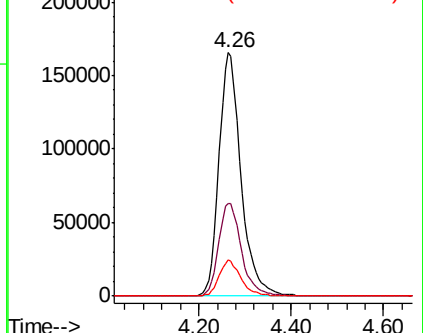
141 14.6 11.7 17.5

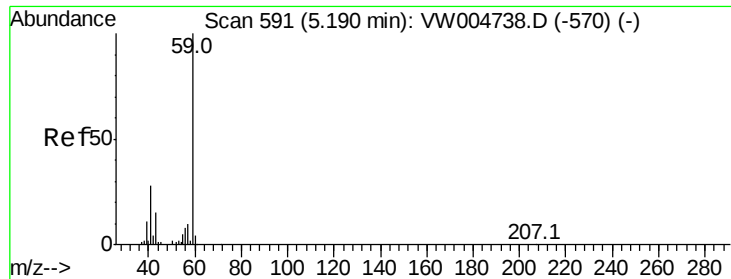


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



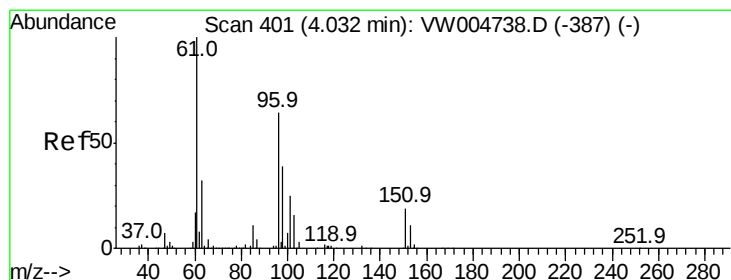
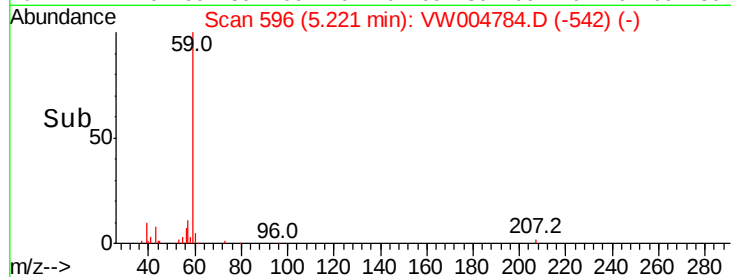
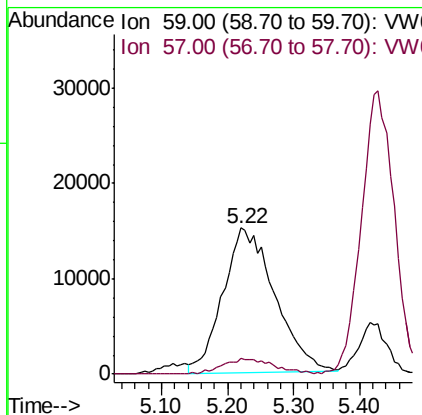
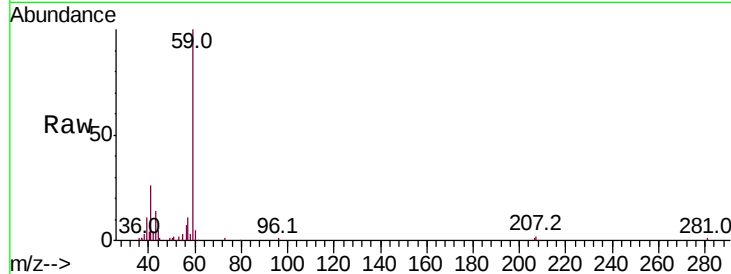


#11

Tert butyl alcohol
 Concen: 223.223 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :

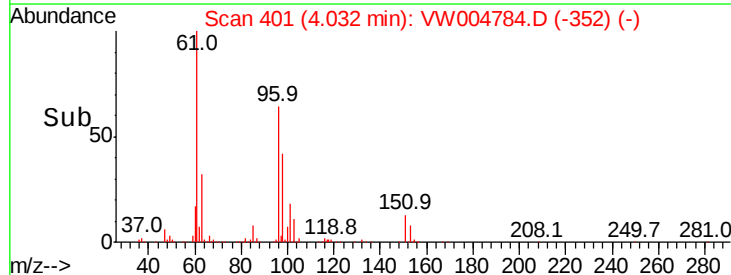
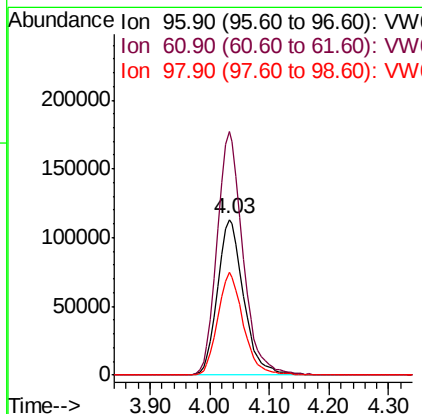
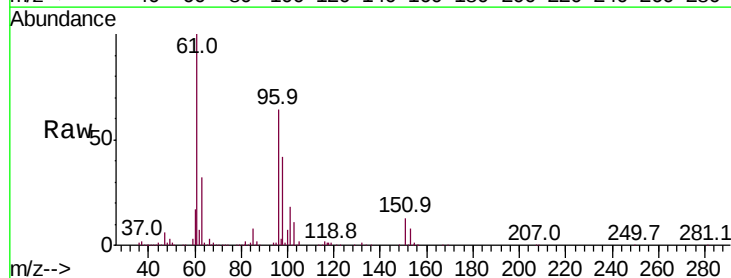
Tot Ion: 59 Resp: 82354
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

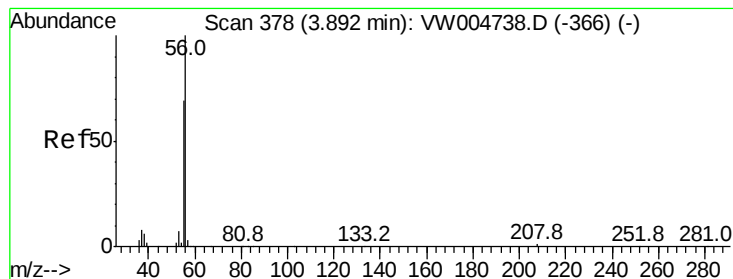


#12

1,1-Dichloroethene
 Concen: 48.785 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion: 96 Resp: 343393
 Ion Ratio Lower Upper
 96 100
 61 156.4 125.6 188.4
 98 65.9 49.4 74.0





#13

Acrolein

Concen: 241.486 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

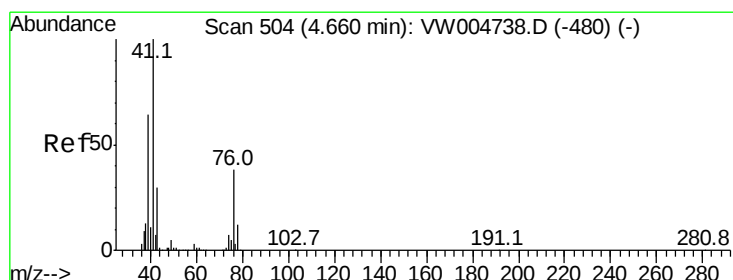
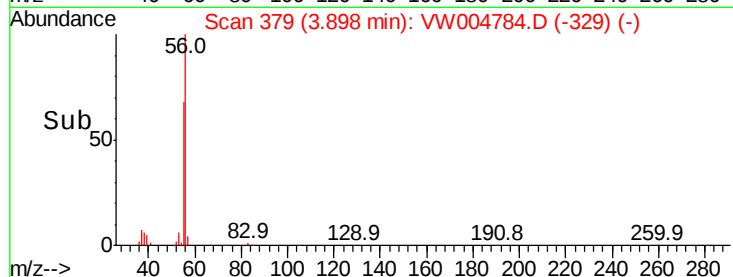
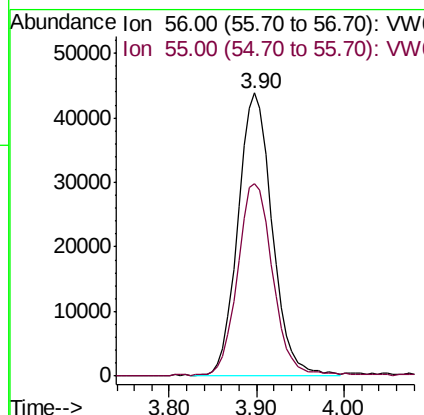
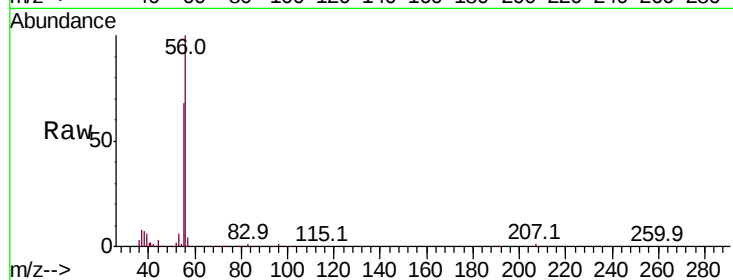
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 119555

Ion Ratio Lower Upper

56 100

55 68.7 56.1 84.1



#14

Allyl chloride

Concen: 49.380 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

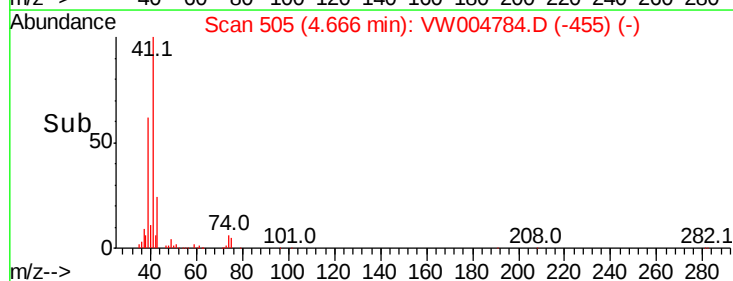
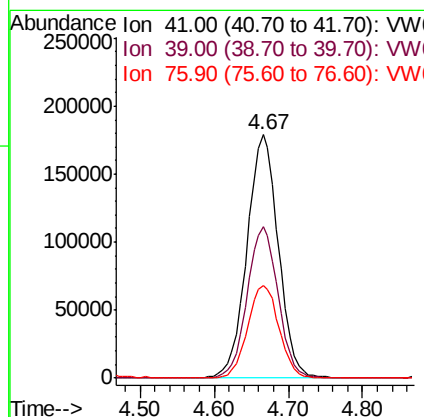
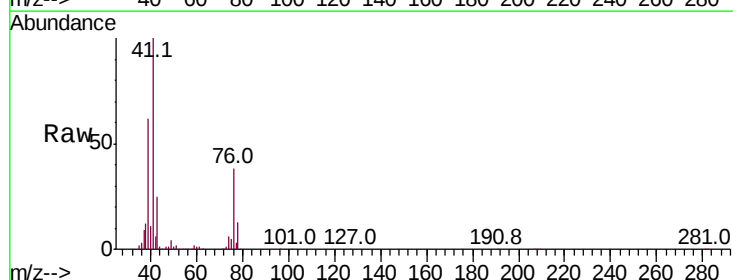
Tgt Ion: 41 Resp: 527477

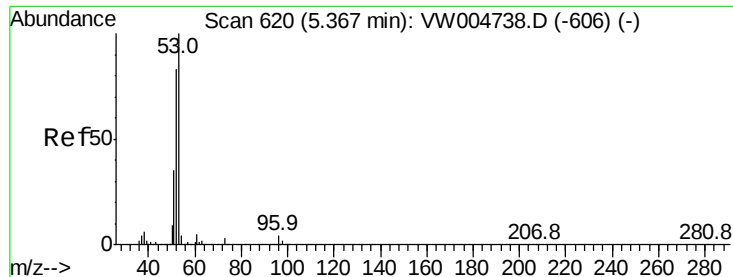
Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

76 38.0 29.8 44.6





#15

Acrylonitrile

Concen: 219.752 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

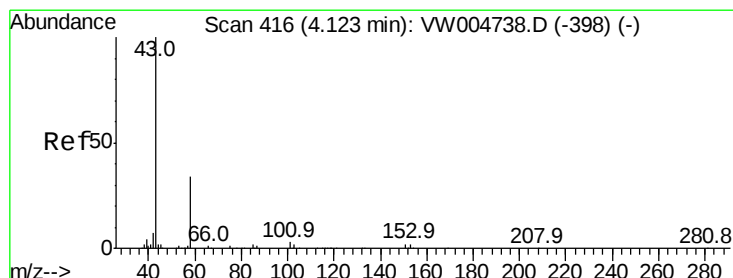
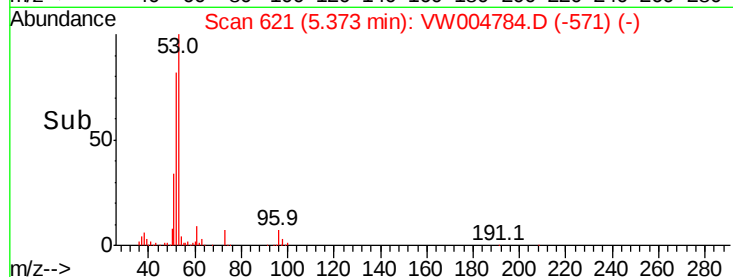
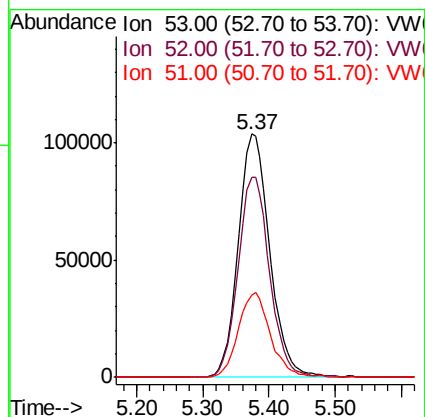
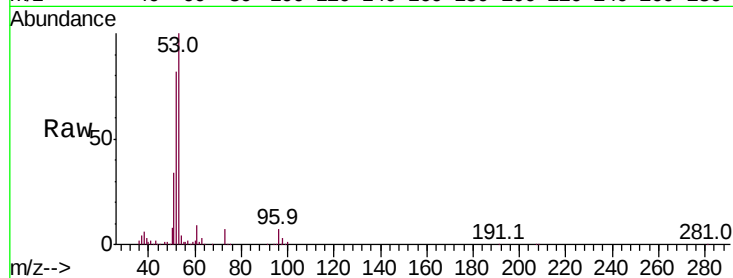
Tot Ion: 53 Resp: 341798

Ion Ratio Lower Upper

53 100

52 82.9 65.8 98.6

51 35.5 28.7 43.1



#16

Acetone

Concen: 244.567 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004784.D

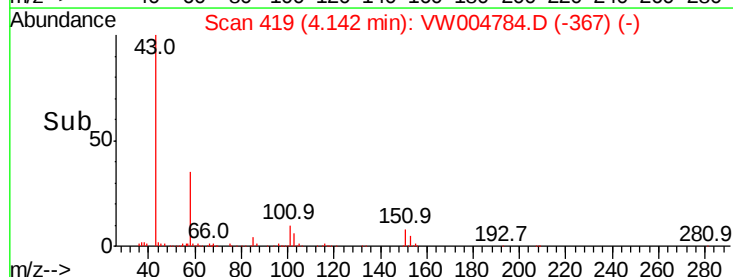
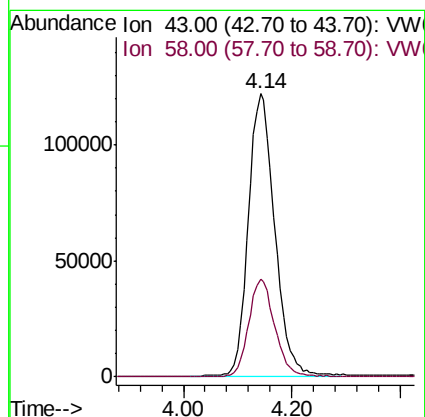
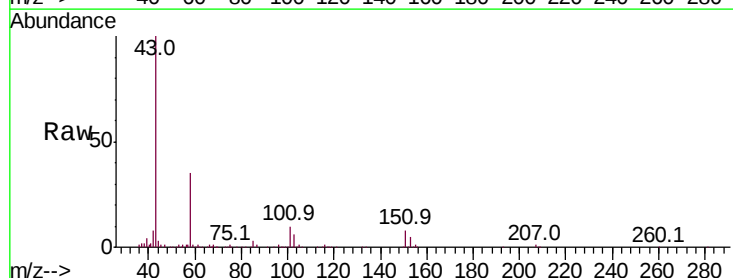
Acq: 20 Aug 2018 11:57

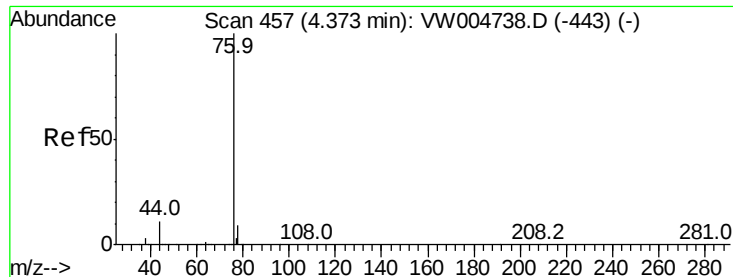
Tgt Ion: 43 Resp: 412276

Ion Ratio Lower Upper

43 100

58 34.6 27.3 40.9





#17

Carbon Disulfide

Concen: 50.382 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

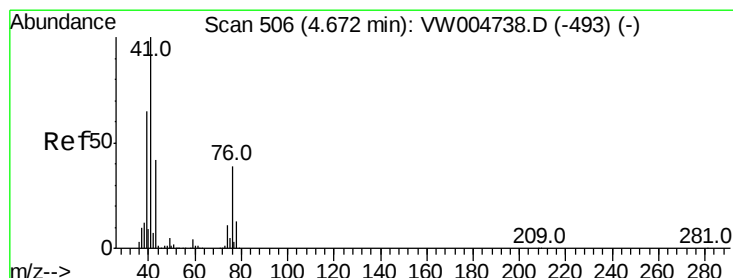
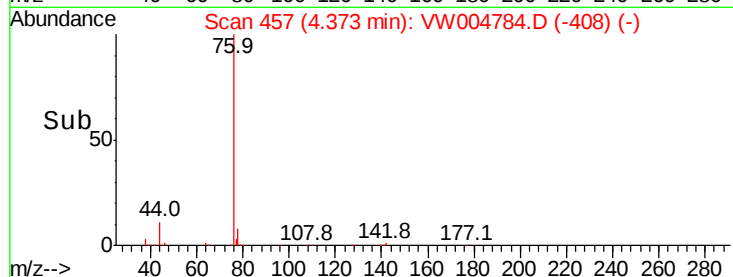
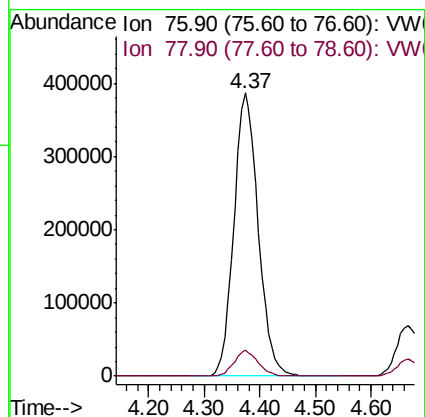
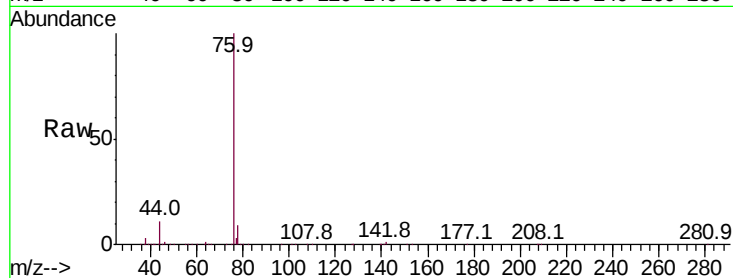
ClientSampled :

Tot Ion: 76 Resp: 1165429

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



#18

Methyl Acetate

Concen: 43.158 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004784.D

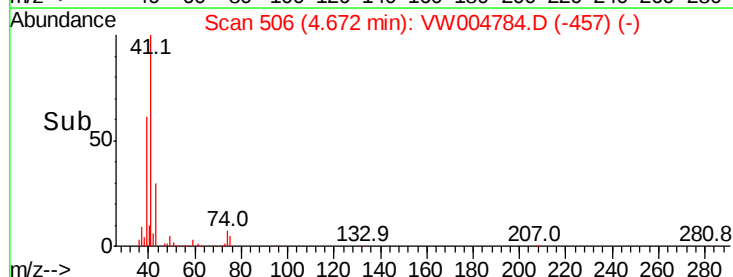
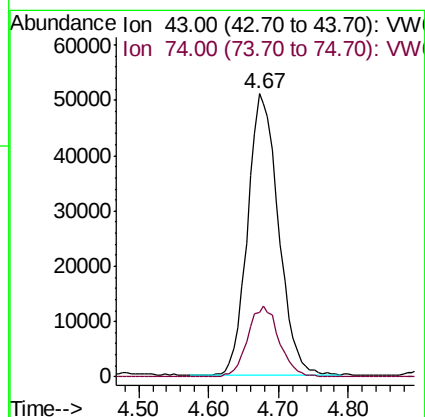
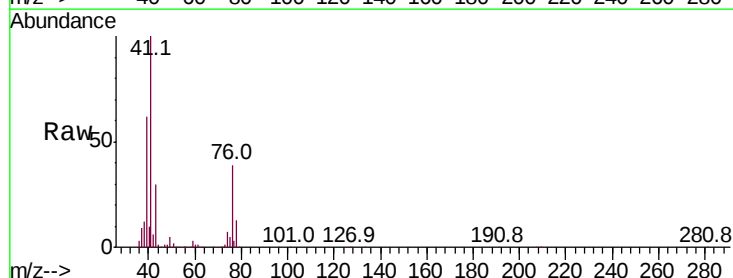
Acq: 20 Aug 2018 11:57

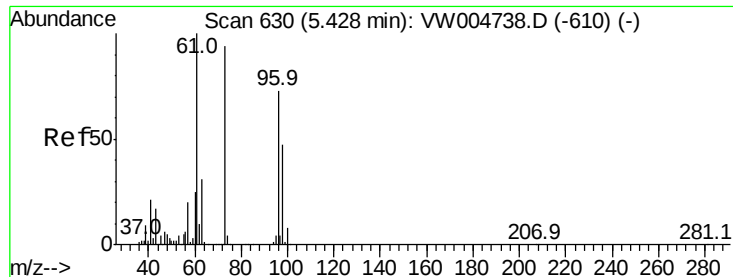
Tgt Ion: 43 Resp: 155905

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.8



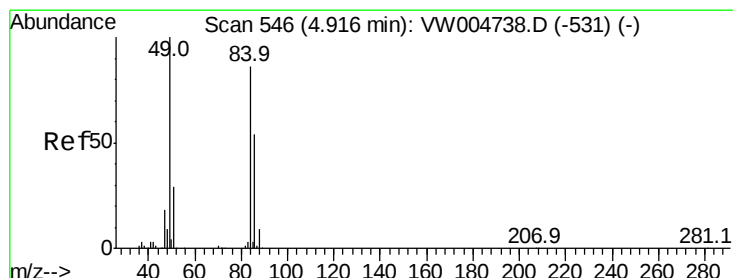
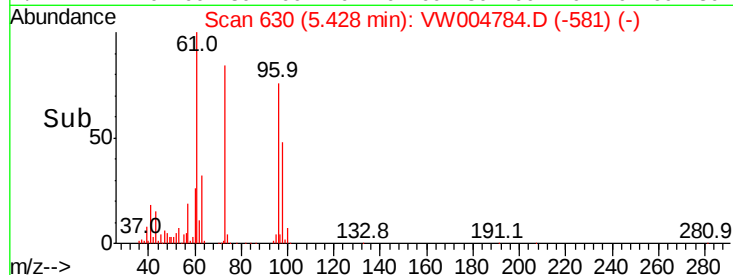
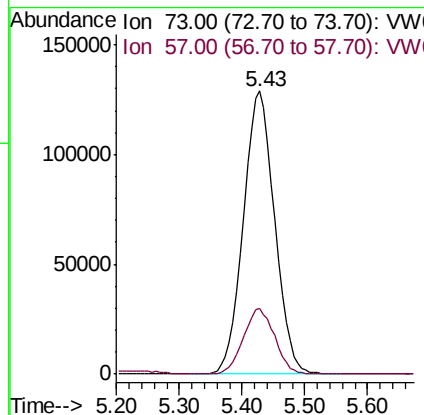
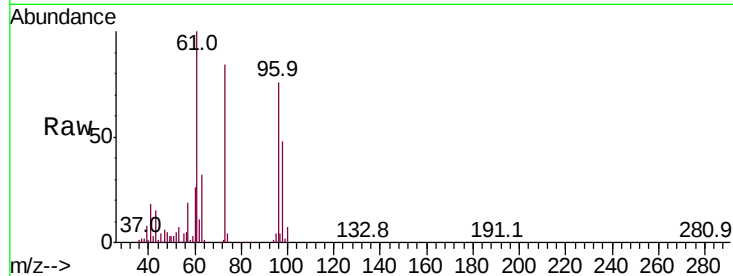


#19

Methvl tert-butvl Ether
 Concen: 48.601 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :

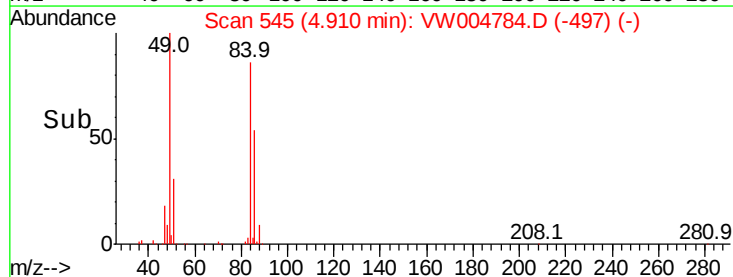
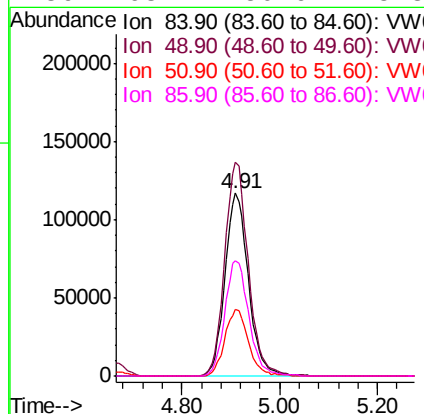
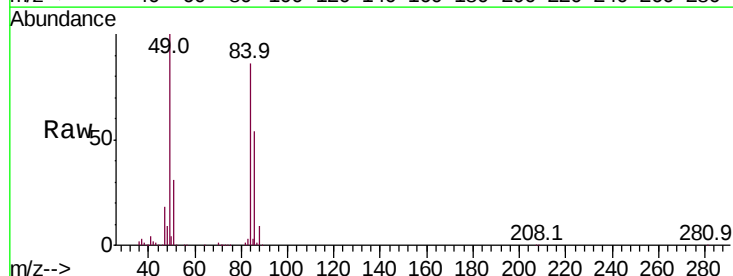
Tot Ion: 73 Resp: 444075
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.3 25.9

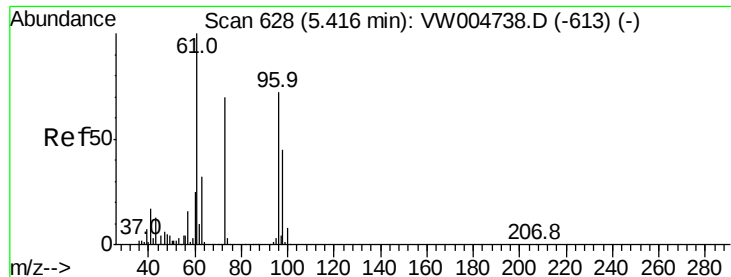


#20

Methylene Chloride
 Concen: 50.651 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion: 84 Resp: 389417
 Ion Ratio Lower Upper
 84 100
 49 116.8 93.2 139.8
 51 36.2 27.4 41.0
 86 63.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.834 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

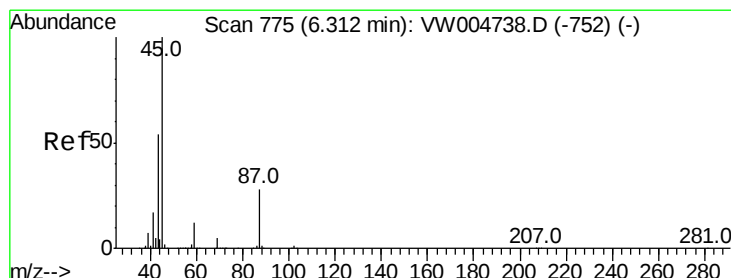
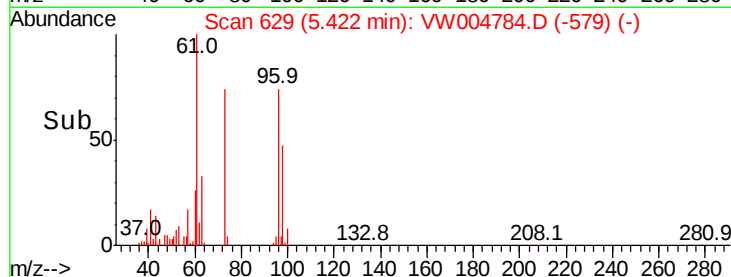
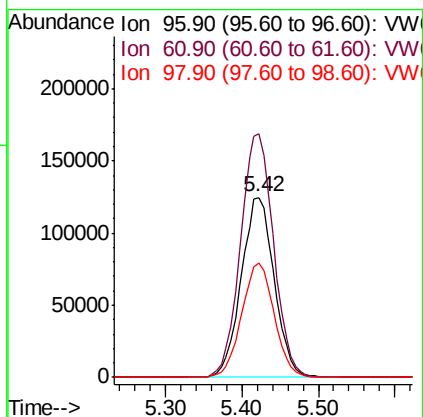
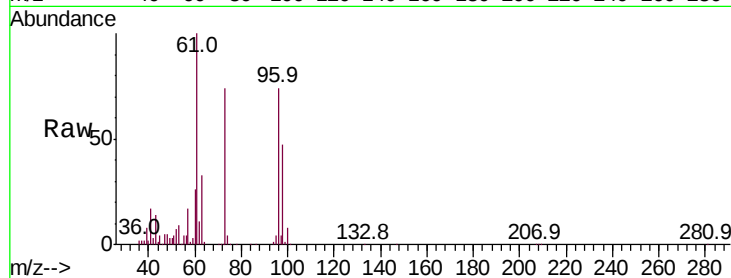
Tot Ion: 96 Resp: 373218

Ion Ratio Lower Upper

96 100

61 135.4 111.4 167.0

98 63.4 49.7 74.5



#22

Diisopropyl ether

Concen: 49.638 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Tgt Ion: 45 Resp: 1019147

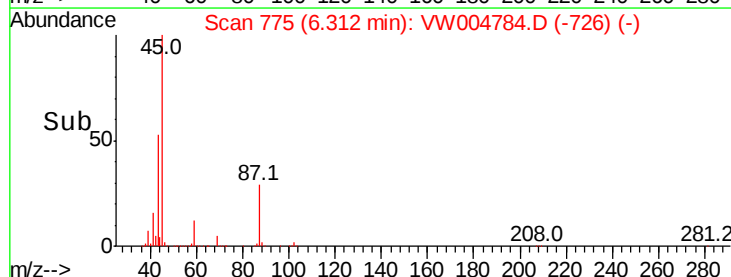
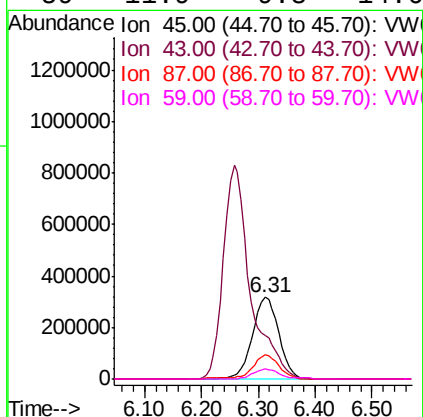
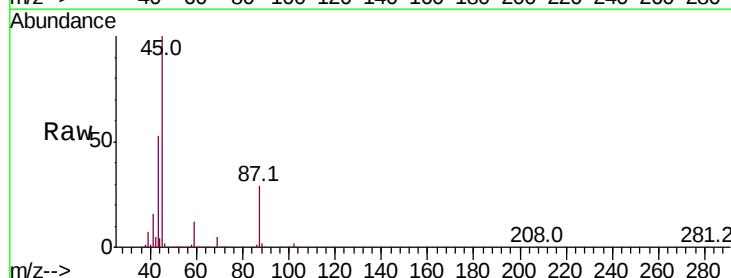
Ion Ratio Lower Upper

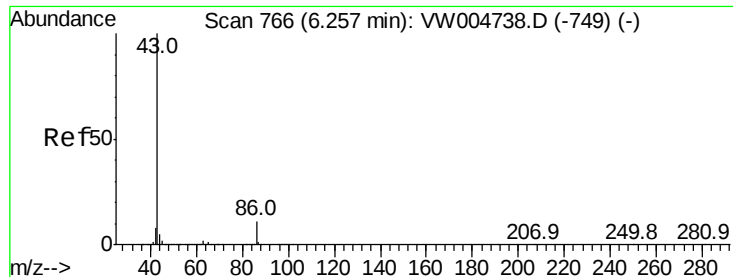
45 100

43 53.3 43.0 64.6

87 29.2 22.2 33.4

59 11.9 9.8 14.6





#23

Vinyl Acetate

Concen: 236.440 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

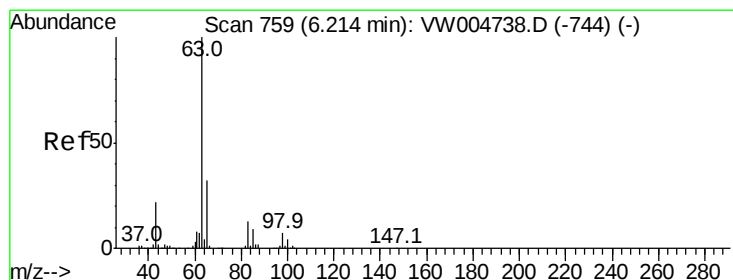
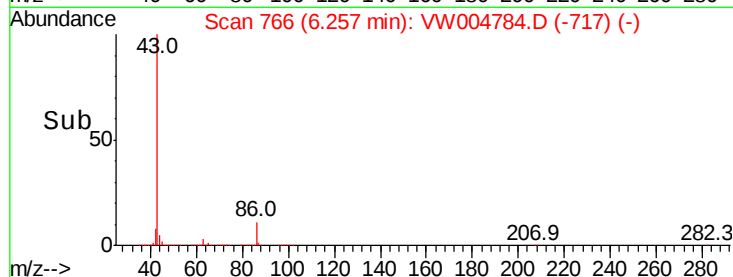
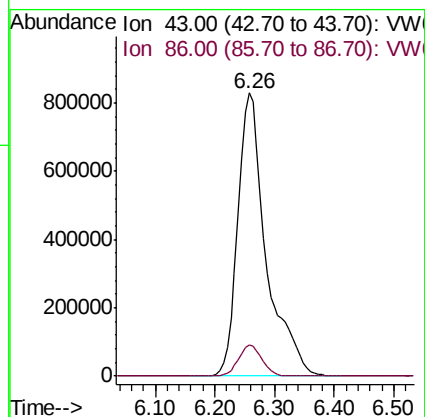
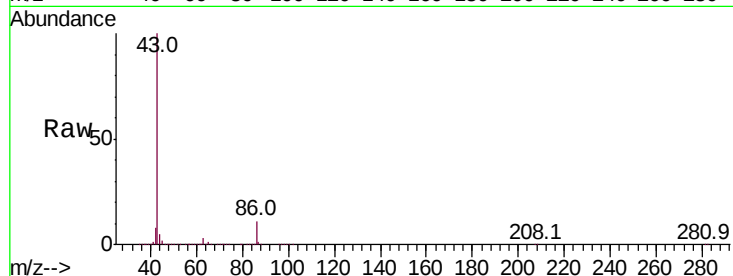
ClientSampleId :

Tot Ion: 43 Resp: 2745818

Ion Ratio Lower Upper

43 100

86 11.2 8.5 12.7



#24

1,1-Dichloroethane

Concen: 47.326 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

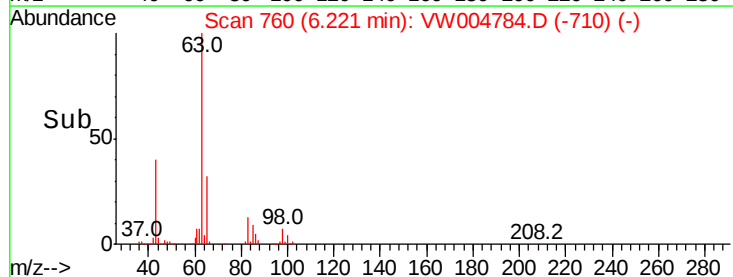
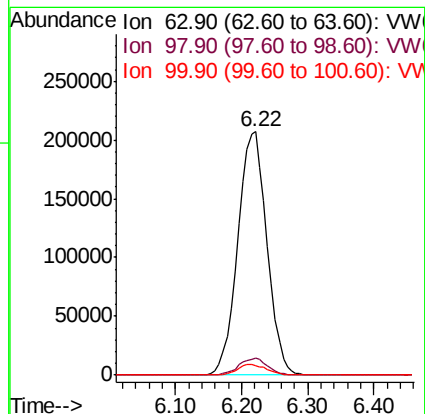
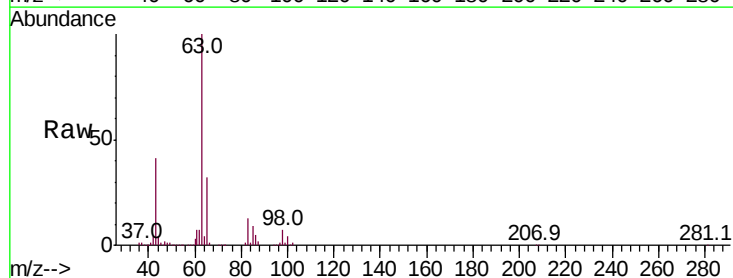
Tgt Ion: 63 Resp: 631430

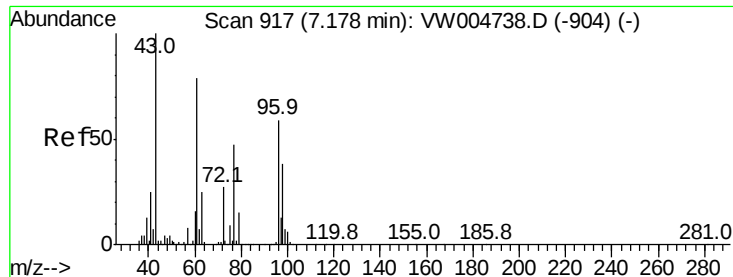
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 223.347 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

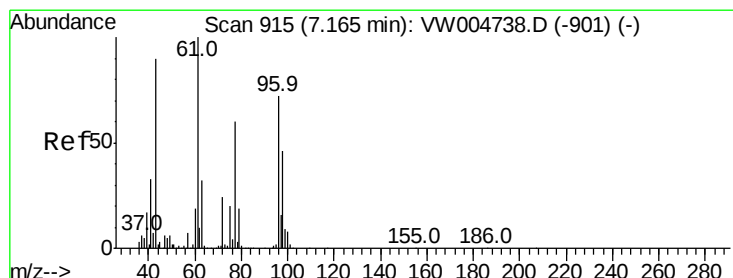
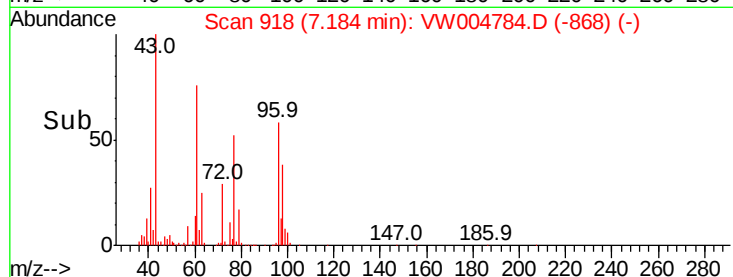
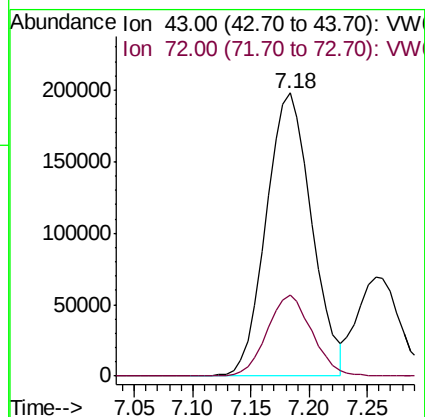
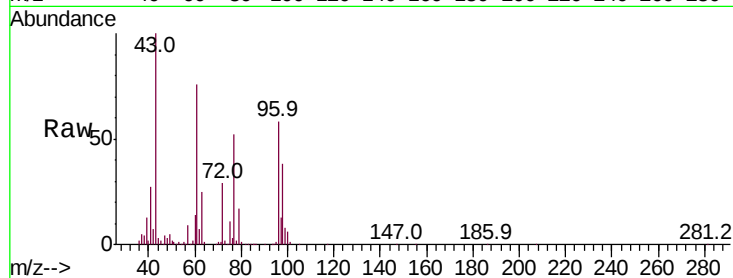
ClientSampled :

Tot Ion: 43 Resp: 536449

Ion Ratio Lower Upper

43 100

72 28.6 22.0 33.0



#26

2,2-Dichloropropane

Concen: 52.740 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004784.D

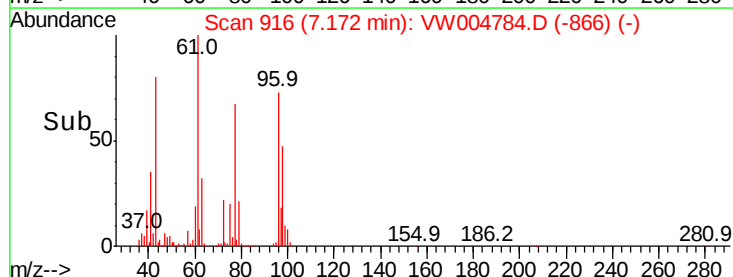
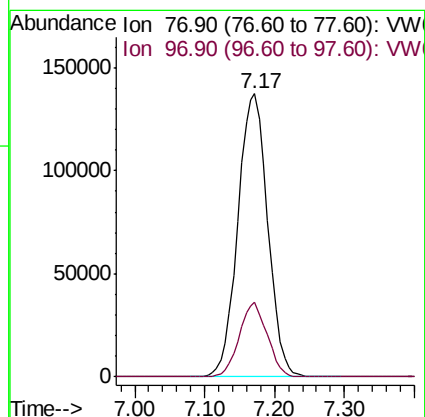
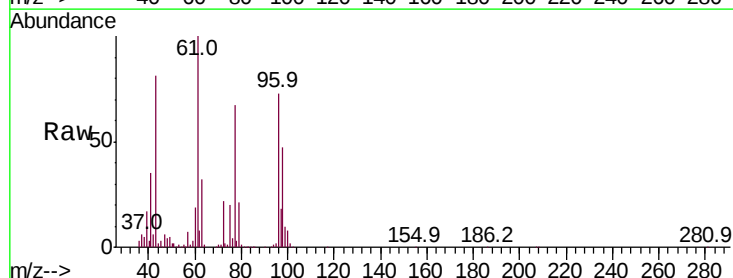
Acq: 20 Aug 2018 11:57

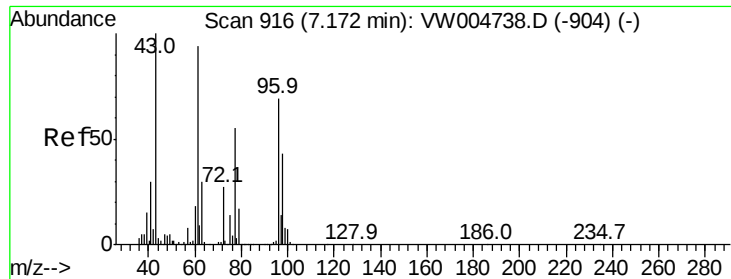
Tgt Ion: 77 Resp: 406424

Ion Ratio Lower Upper

77 100

97 24.7 12.6 37.8



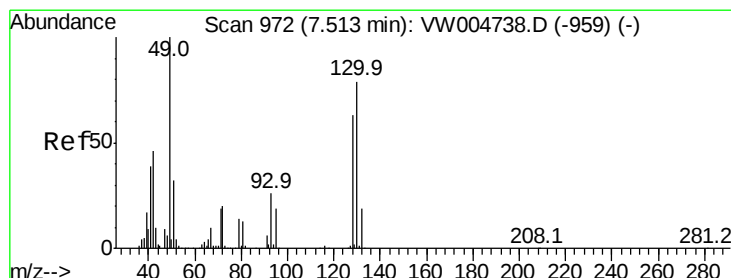
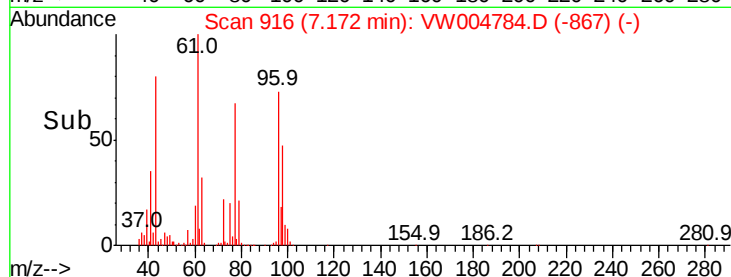
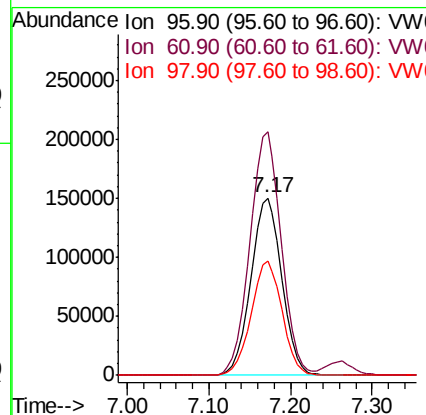
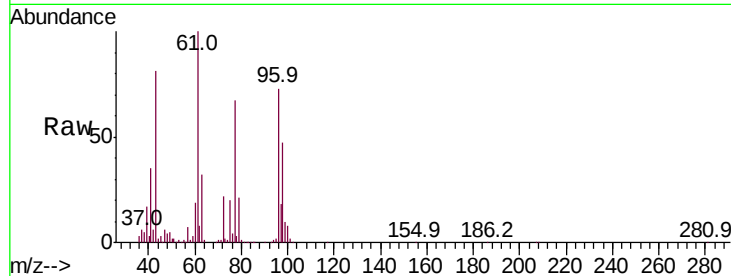


#27

cis-1,2-Dichloroethene
 Concen: 49.200 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Instrument :
 MSVOA_W
 ClientSampled :

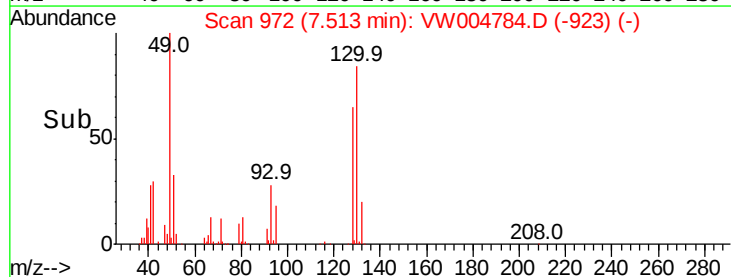
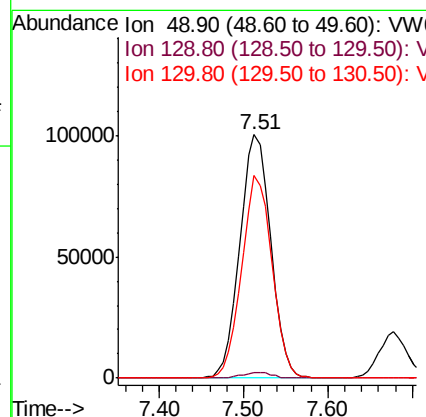
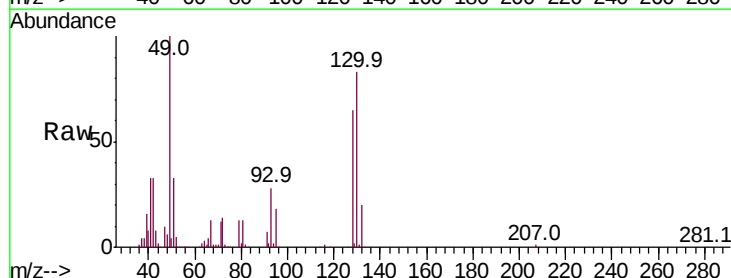
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	277.6
98	64.5	0.0	127.4

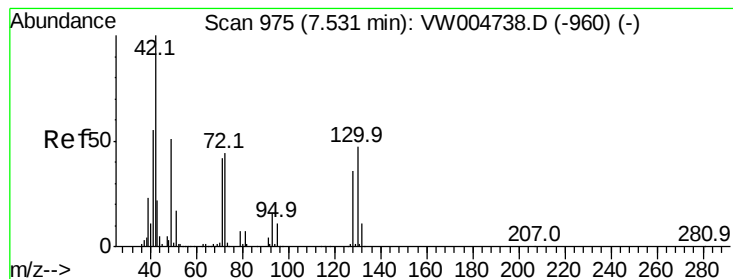


#28

Bromochloromethane
 Concen: 44.260 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	81.6	63.7	95.5





#29

Tetrahydrofuran

Concen: 216.911 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

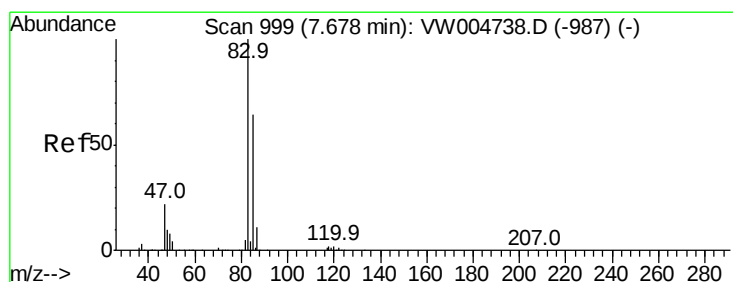
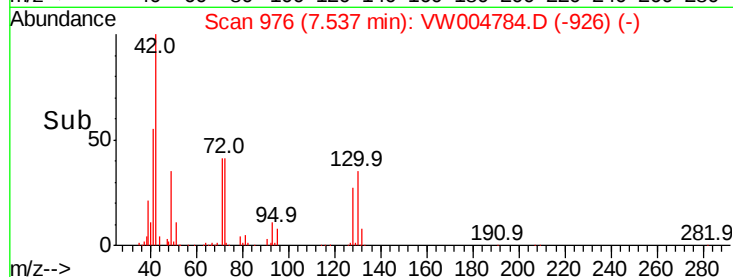
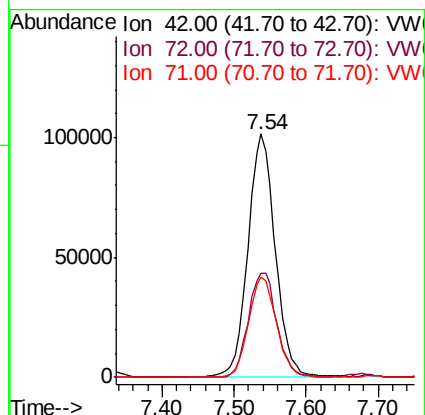
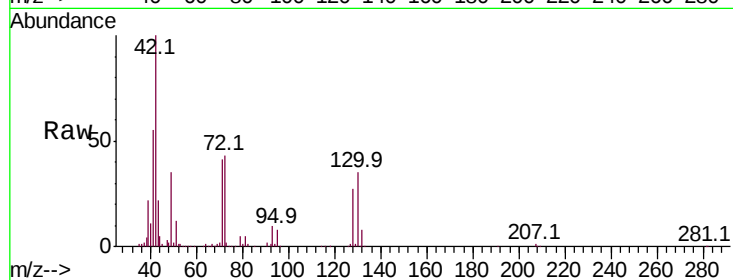
Tot Ion: 42 Resp: 265665

Ion Ratio Lower Upper

42 100

72 44.8 34.9 52.3

71 42.2 33.8 50.6



#30

Chloroform

Concen: 47.849 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004784.D

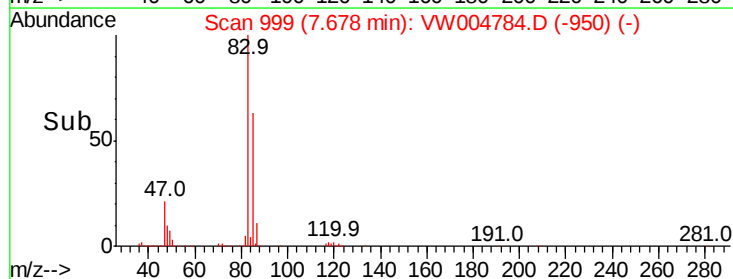
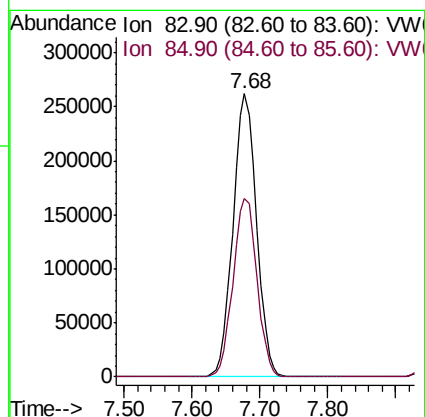
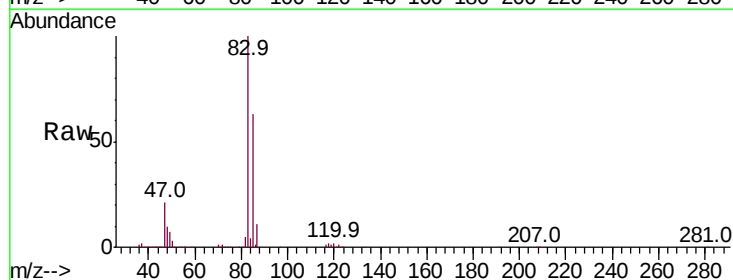
Acq: 20 Aug 2018 11:57

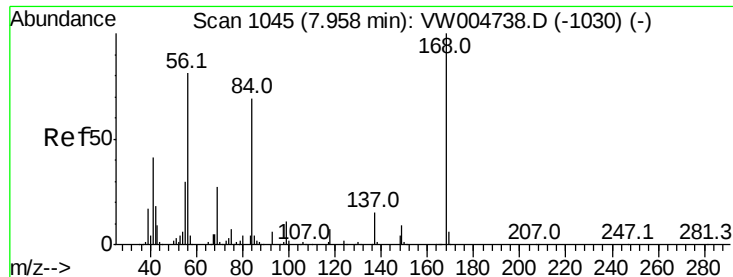
Tgt Ion: 83 Resp: 627874

Ion Ratio Lower Upper

83 100

85 63.2 51.0 76.6

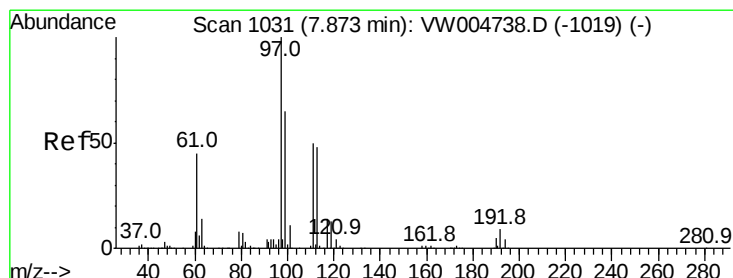
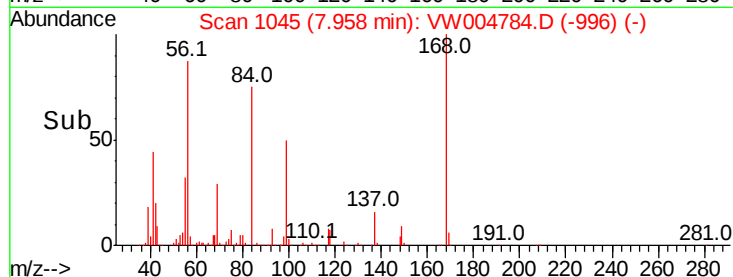
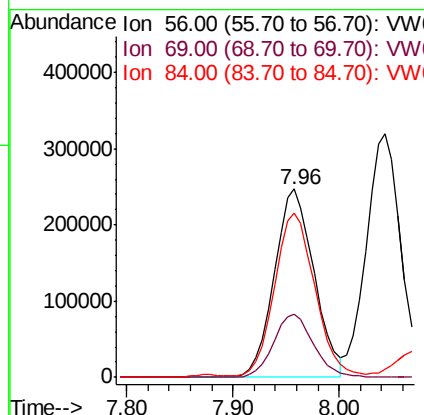
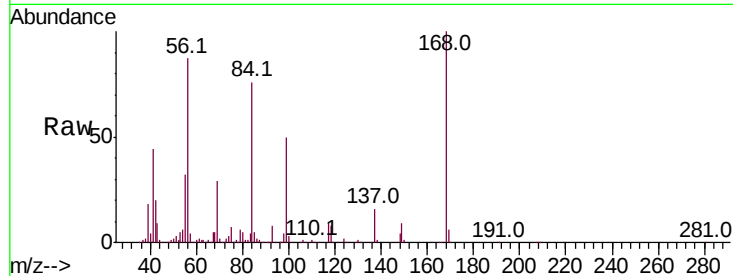




#31
Cyclohexane
Concen: 49.313 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

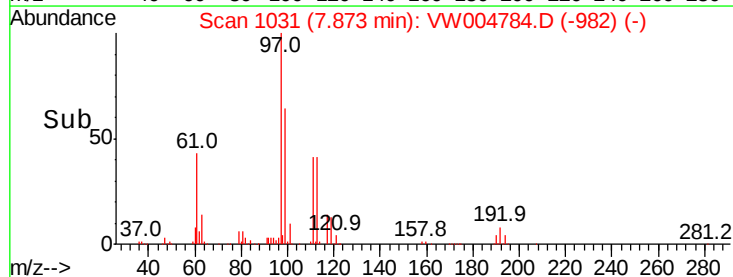
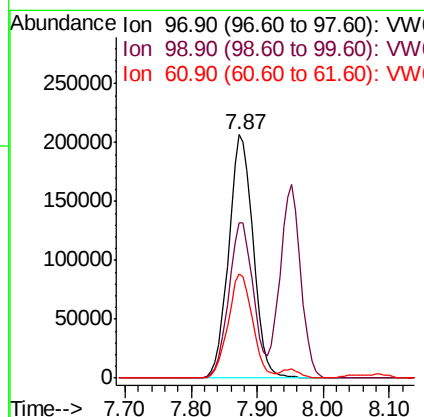
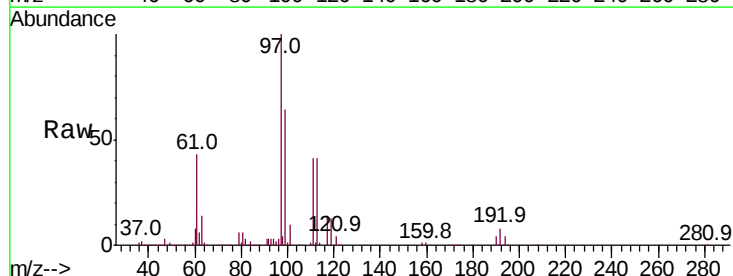
Instrument :
MSVOA_W
ClientSampled :

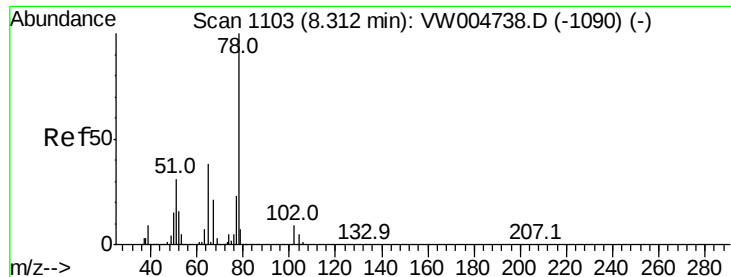
Tot Ion: 56 Resp: 636394
Ion Ratio Lower Upper
56 100
69 33.4 27.1 40.7
84 86.6 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 50.696 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion: 97 Resp: 527325
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 42.9 34.4 51.6

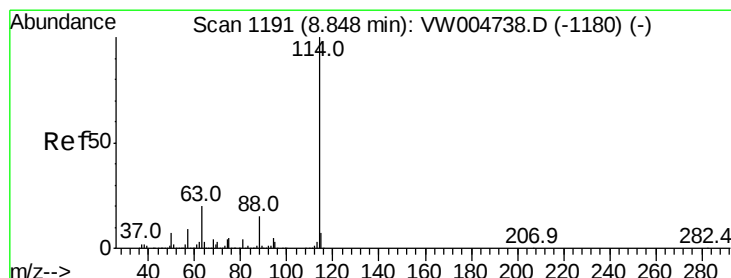
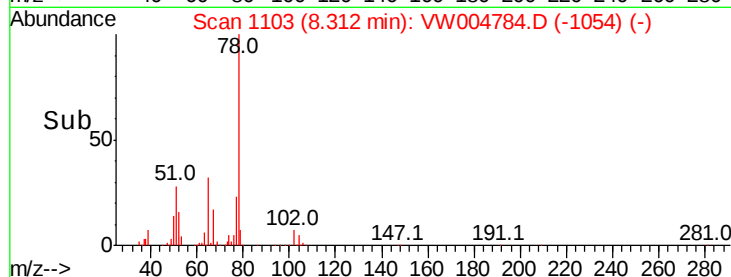
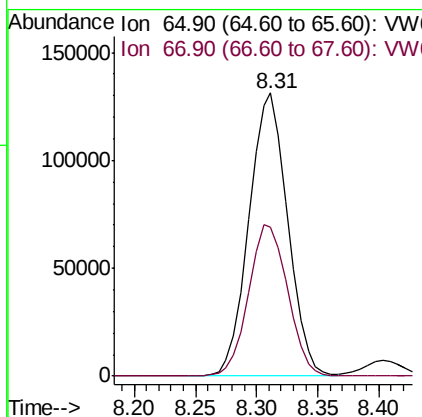
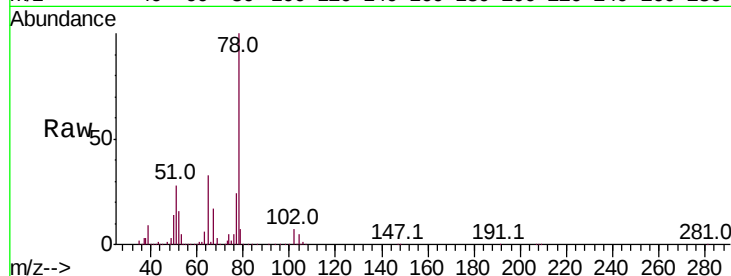




#33
 1,2-Dichloroethane-d4
 Concen: 43.643 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

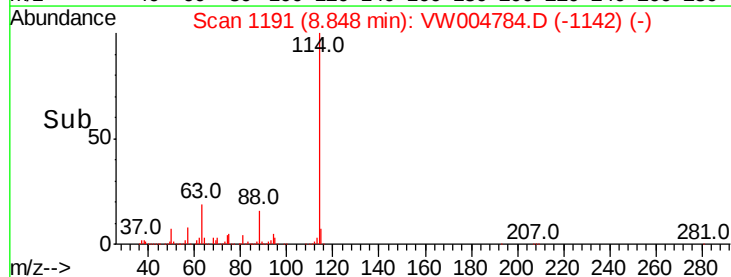
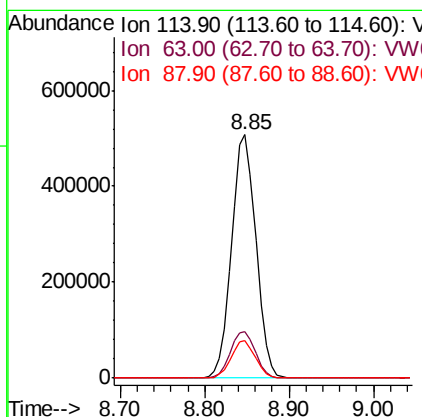
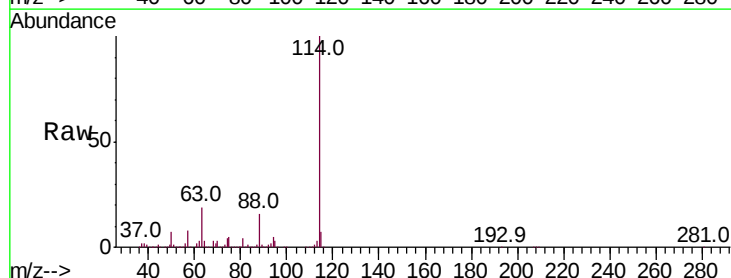
Instrument :
 MSVOA_W
 ClientSampled :

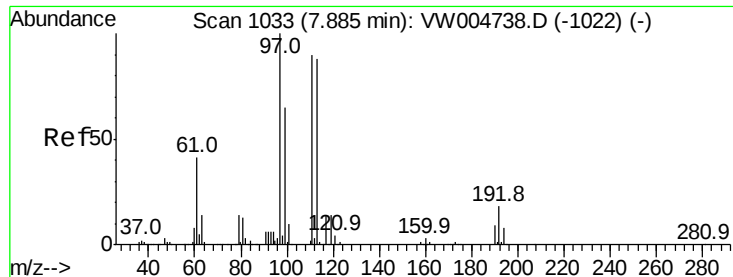
Tot Ion: 65 Resp: 288200
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion: 114 Resp: 989242
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.6 0.0 30.0

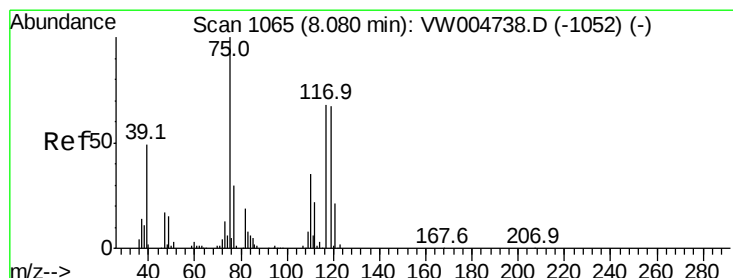
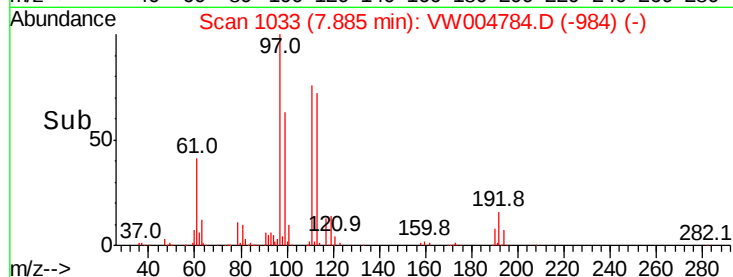
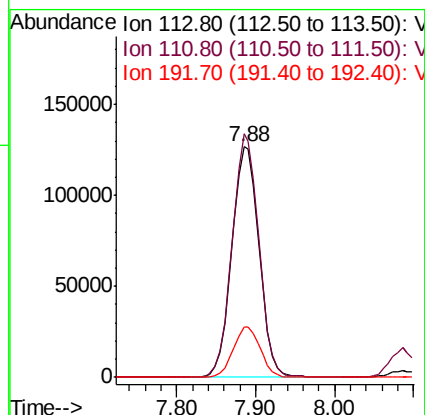
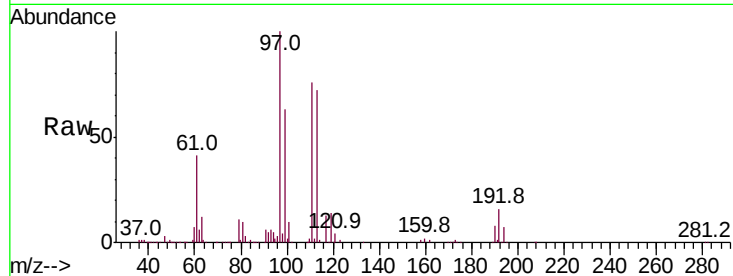




#35
 Dibromofluoromethane
 Concen: 48.169 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

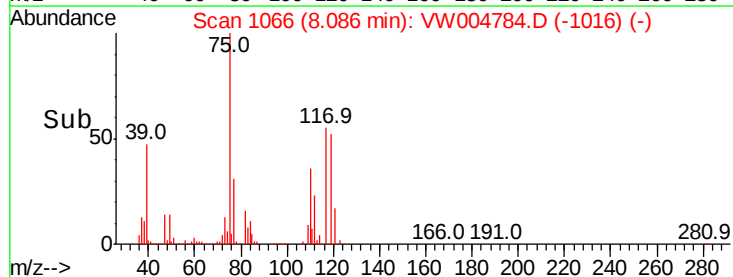
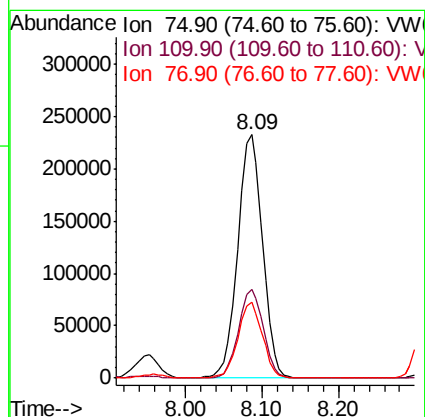
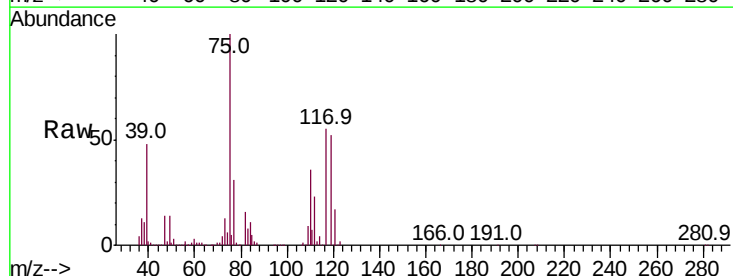
Instrument :
 MSVOA_W
 ClientSampleId :

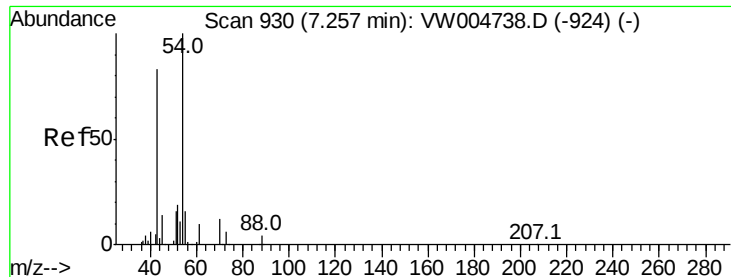
Tot Ion:113 Resp: 304551
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 21.8 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 51.351 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion: 75 Resp: 523311
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.8 53.5
 77 30.9 24.9 37.3

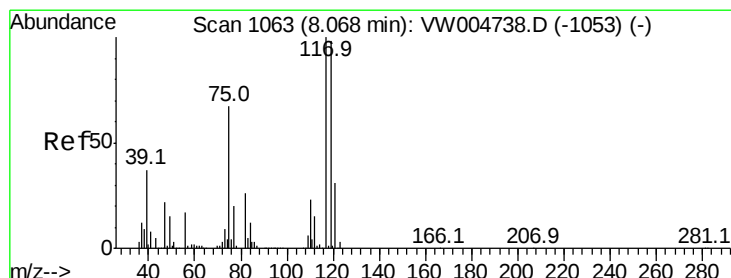
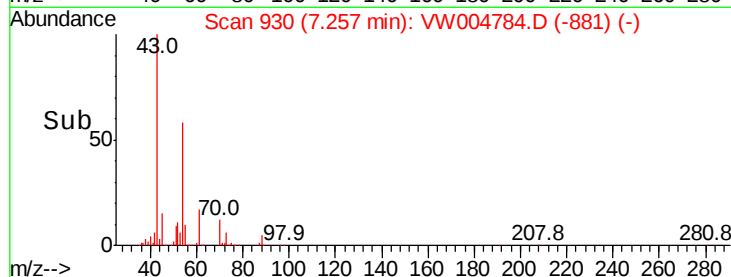
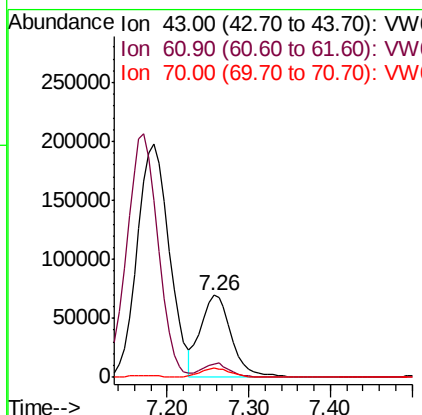
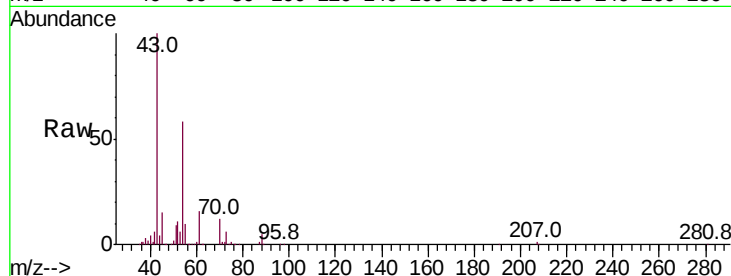




#37
Ethyl Acetate
Concen: 45.291 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

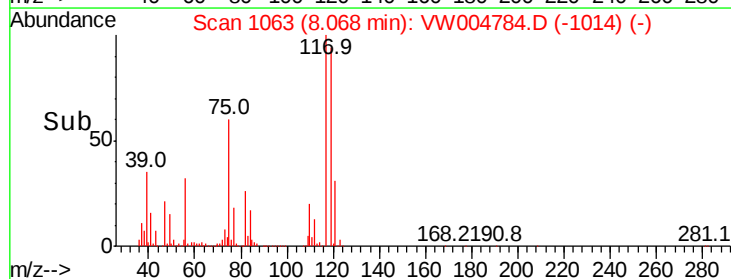
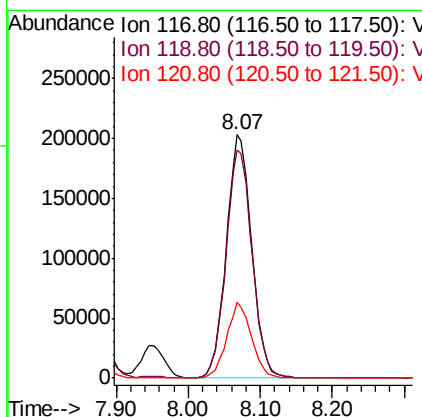
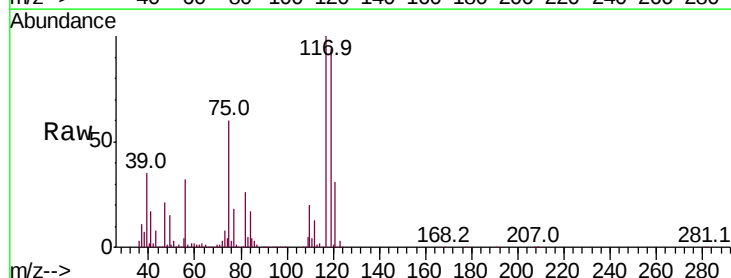
Instrument :
MSVOA_W
ClientSampled :

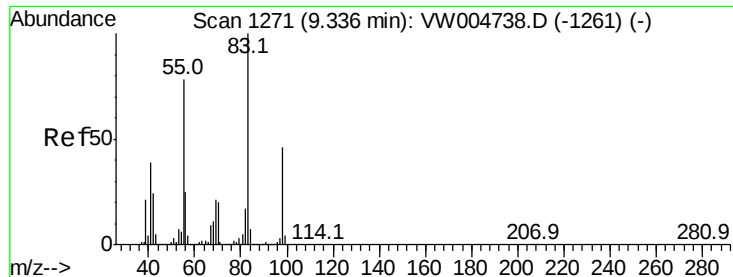
Tot Ion: 43 Resp: 183989
Ion Ratio Lower Upper
43 100
61 15.6 11.6 17.4
70 11.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 53.076 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion: 117 Resp: 497897
Ion Ratio Lower Upper
117 100
119 93.9 78.0 117.0
121 31.2 24.8 37.2

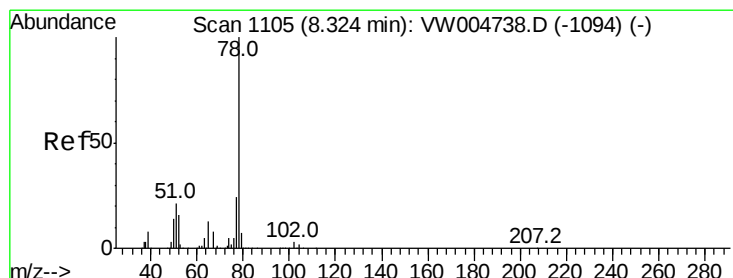
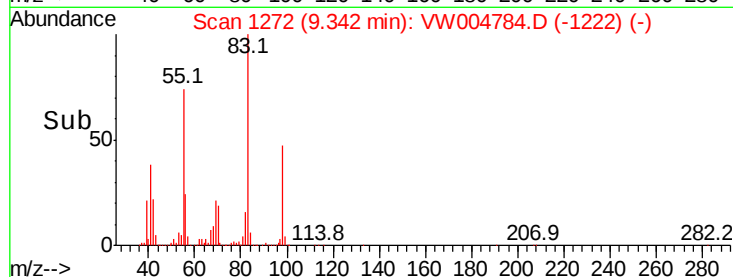
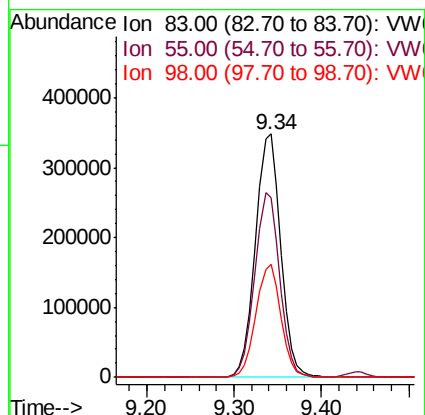
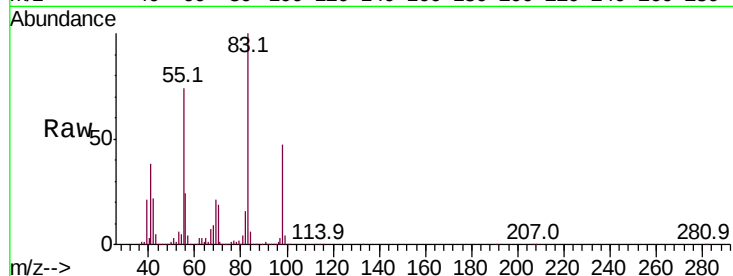




#39
Methvlcvclohexane
Concen: 54.959 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

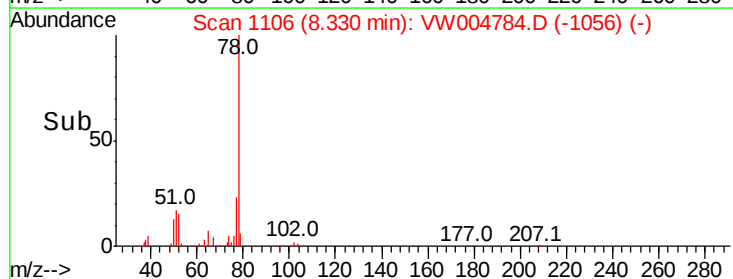
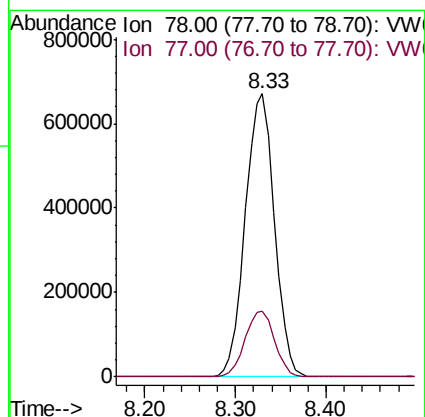
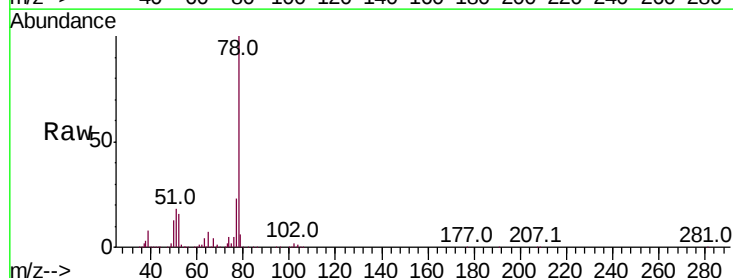
Instrument :
MSVOA_W
ClientSampleId :

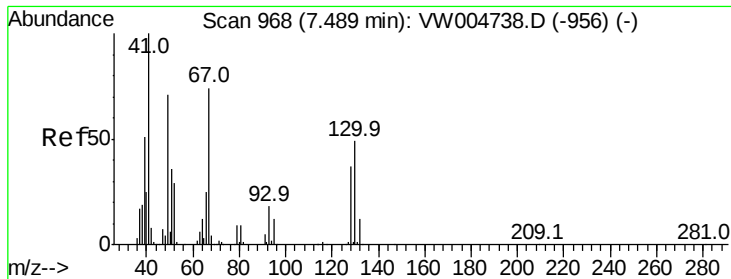
Tot Ion: 83 Resp: 700420
Ion Ratio Lower Upper
83 100
55 73.8 62.4 93.6
98 46.6 36.5 54.7



#40
Benzene
Concen: 50.427 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion: 78 Resp: 1493493
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6





#41

Methacrylonitrile

Concen: 51.090 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

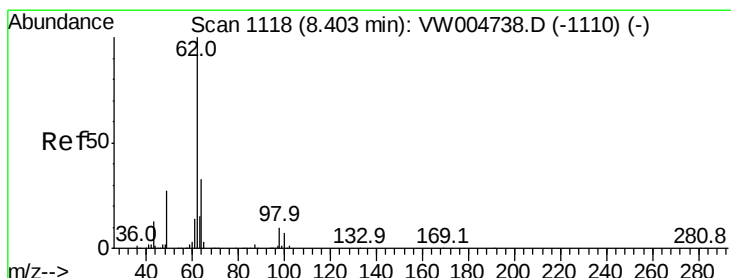
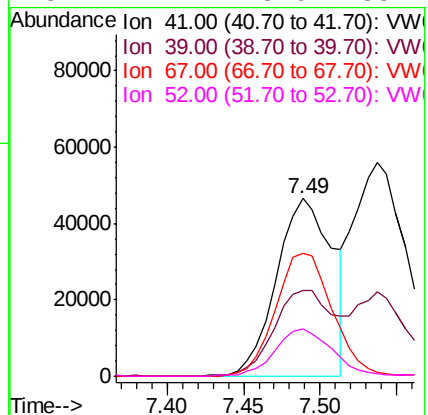
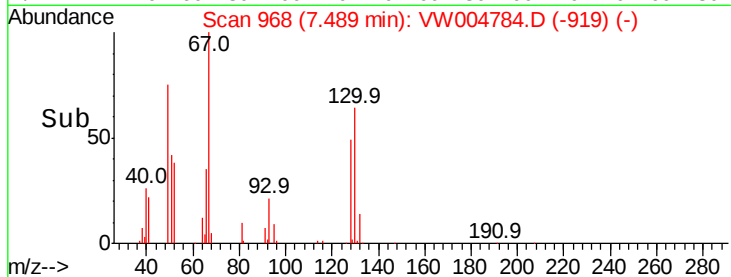
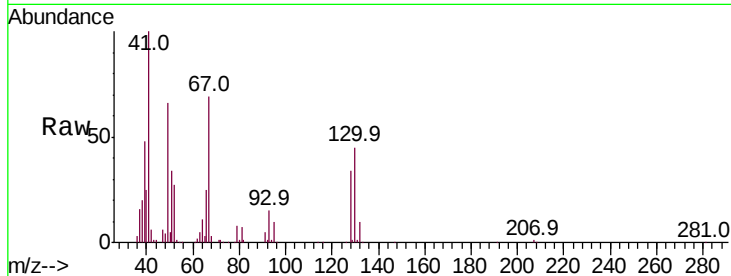
Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 117787

Ion	Ratio	Lower	Upper
41	100		
39	50.5	41.0	61.4
67	70.7	59.5	89.3
52	27.4	23.6	35.4



#42

1,2-Dichloroethane

Concen: 47.058 ug/l

RT: 8.40 min Scan# 1118

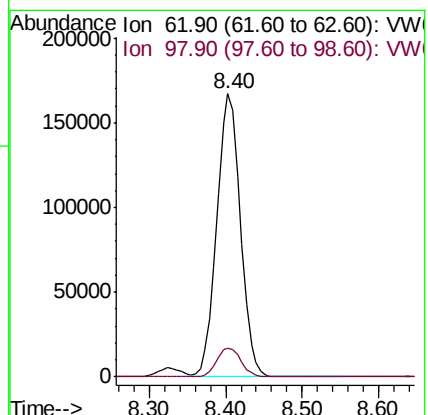
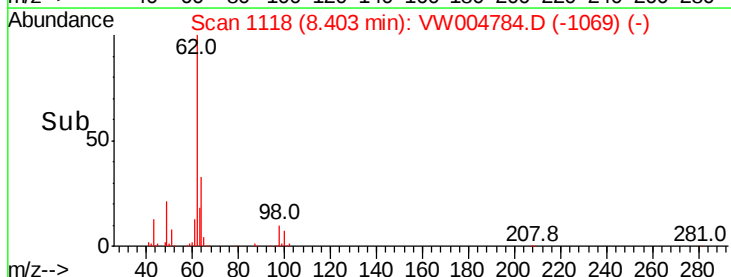
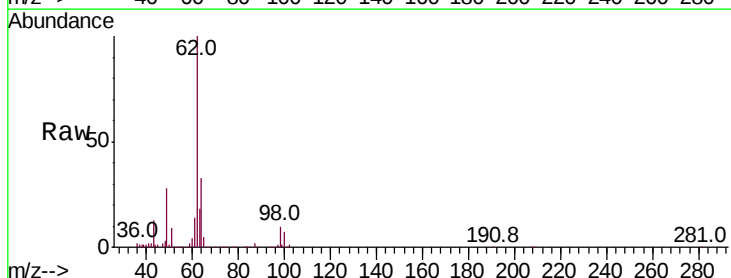
Delta R.T. 0.00 min

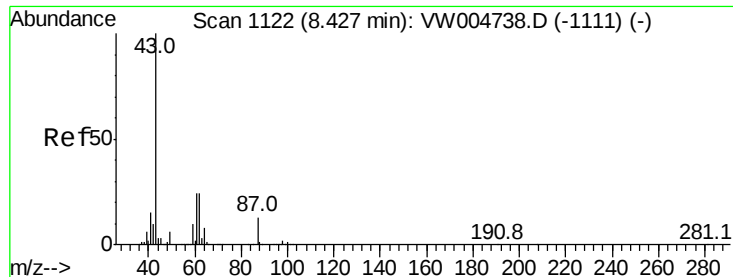
Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Tgt Ion: 62 Resp: 357389

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 45.843 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

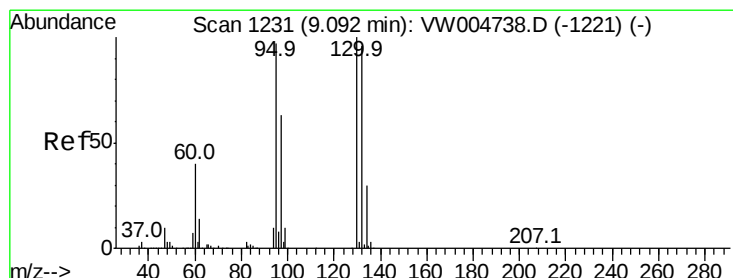
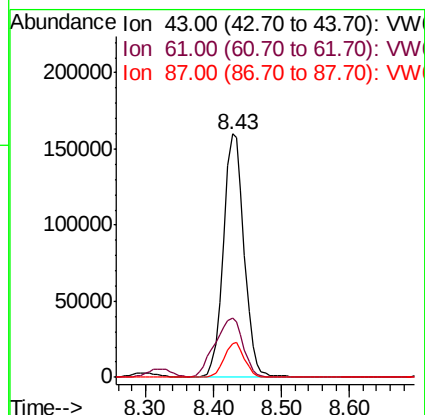
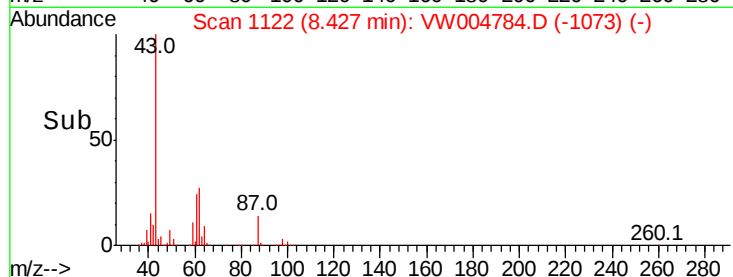
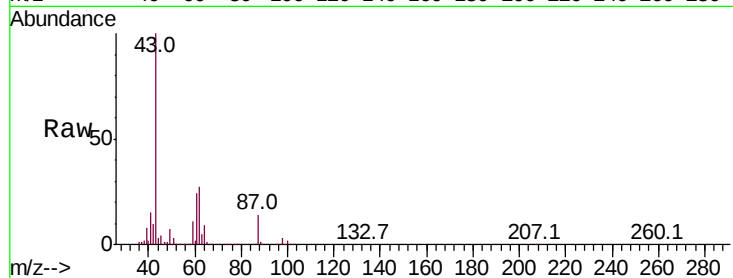
Tot Ion: 43 Resp: 334513

Ion Ratio Lower Upper

43 100

61 33.3 26.2 39.4

87 14.2 10.9 16.3



#44

Trichloroethene

Concen: 50.691 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004784.D

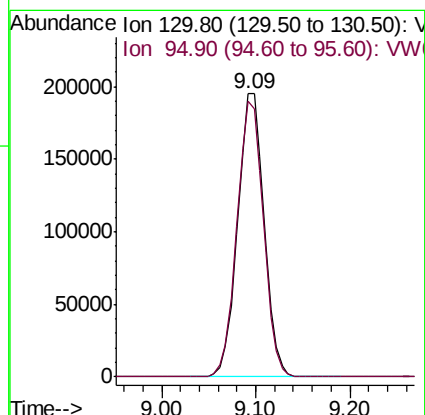
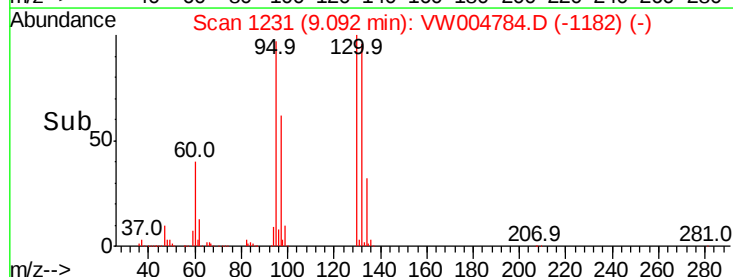
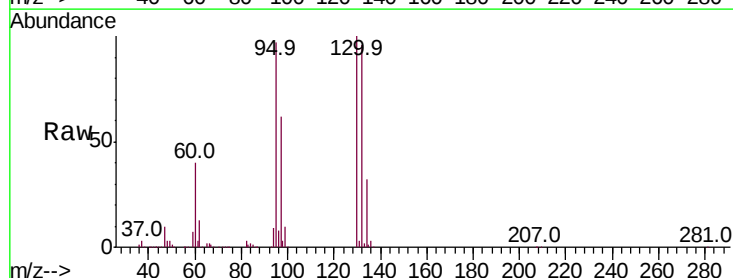
Acq: 20 Aug 2018 11:57

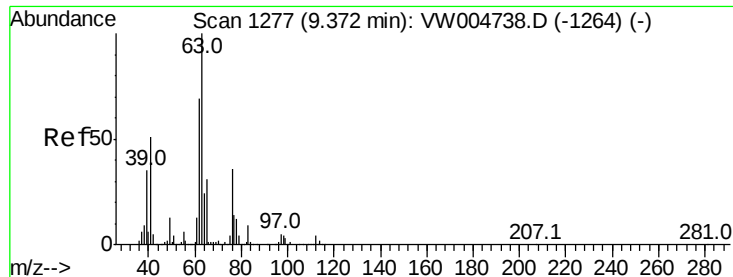
Tgt Ion:130 Resp: 381099

Ion Ratio Lower Upper

130 100

95 97.3 0.0 194.4





#45

1,2-Dichloropropane

Concen: 49.438 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

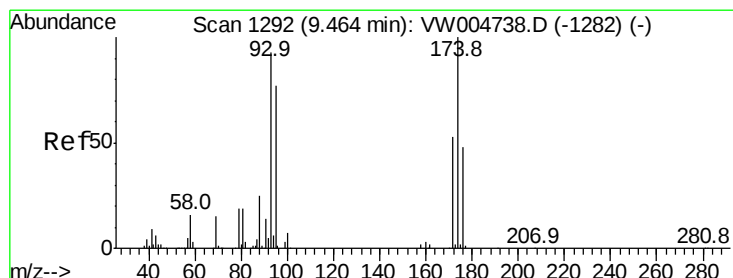
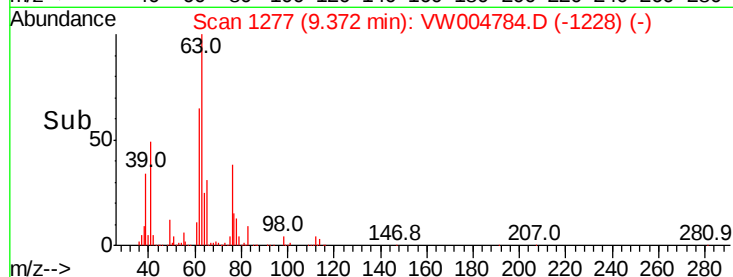
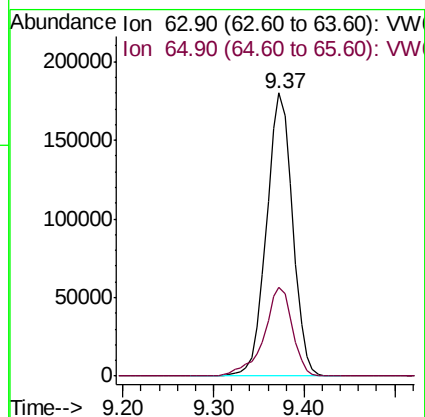
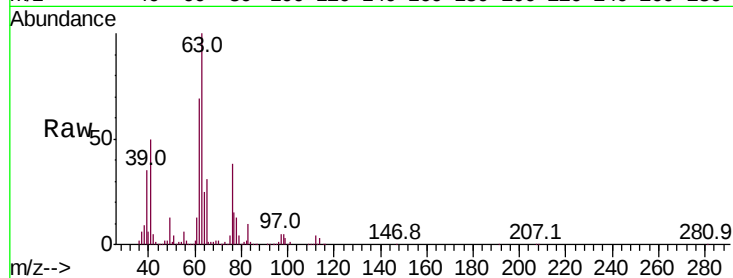
ClientSampled :

Tot Ion: 63 Resp: 358158

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



#46

Dibromomethane

Concen: 47.141 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

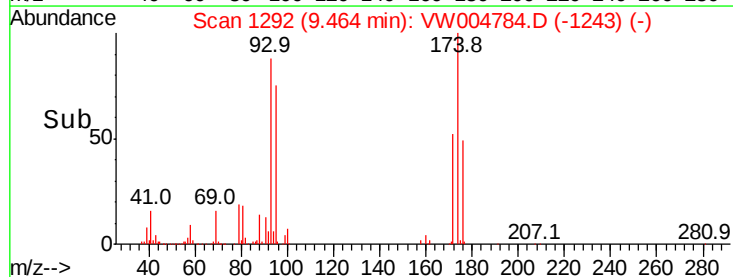
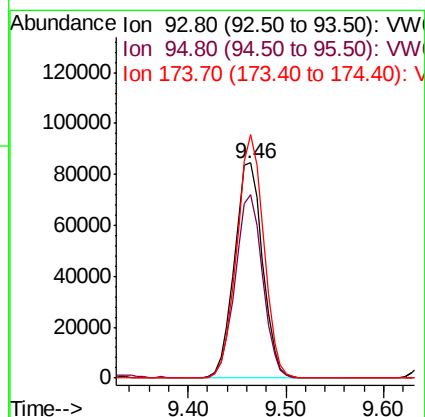
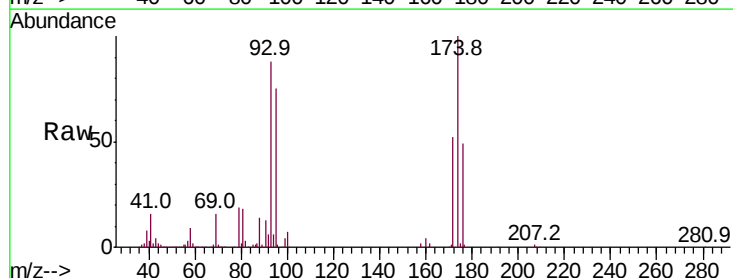
Tgt Ion: 93 Resp: 169190

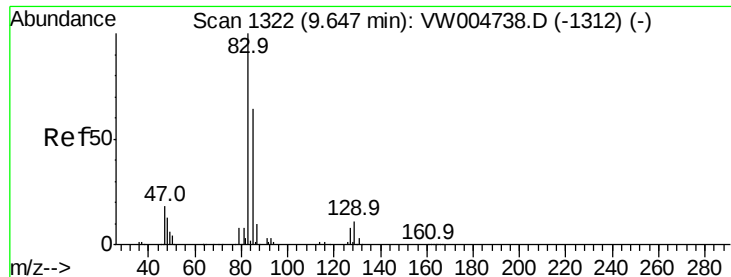
Ion Ratio Lower Upper

93 100

95 83.2 66.6 99.8

174 108.1 85.3 127.9





#47

Bromodichloromethane

Concen: 49.026 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

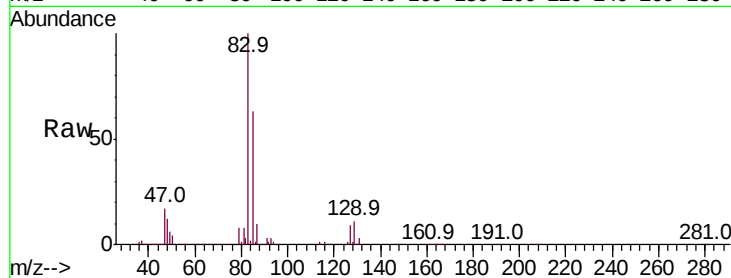
Tot Ion: 83 Resp: 420226

Ion Ratio Lower Upper

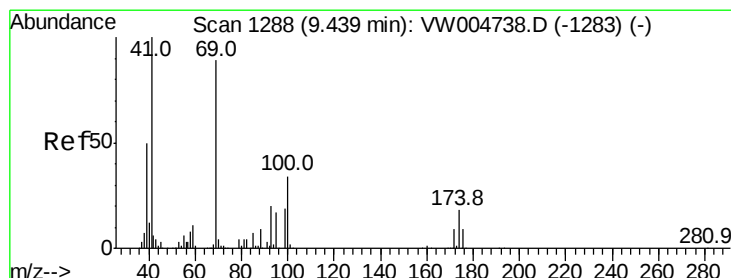
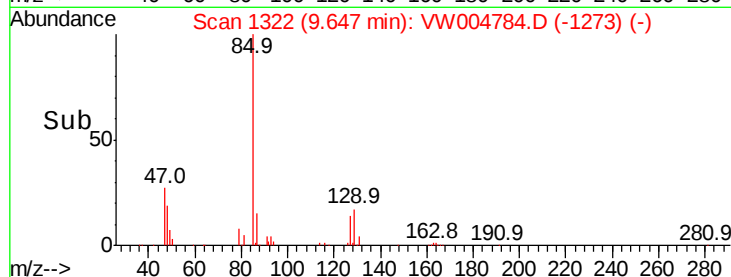
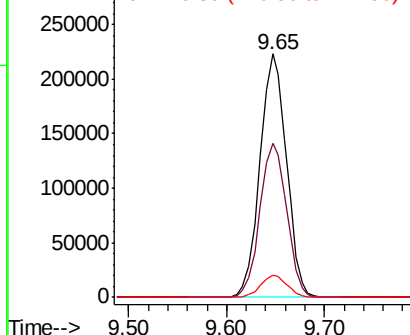
83 100

85 63.0 51.2 76.8

127 9.0 6.7 10.1



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



#48

Methyl methacrylate

Concen: 50.236 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

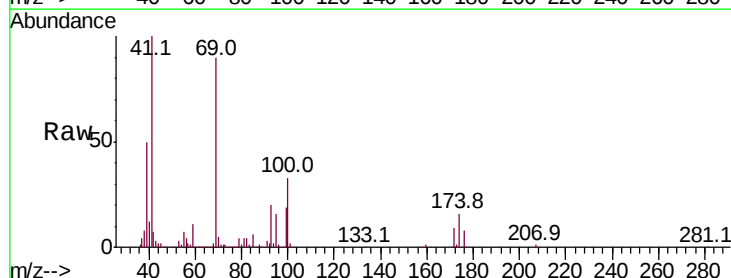
Tgt Ion: 41 Resp: 172008

Ion Ratio Lower Upper

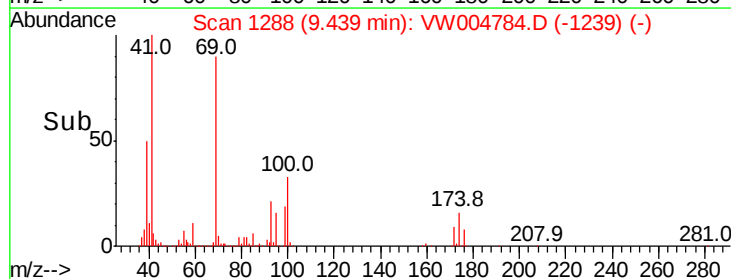
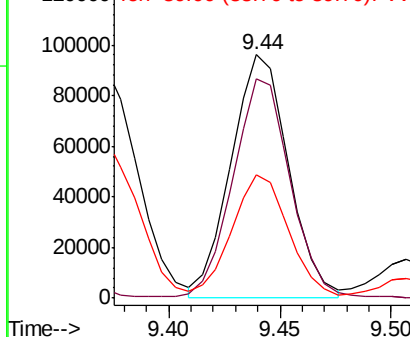
41 100

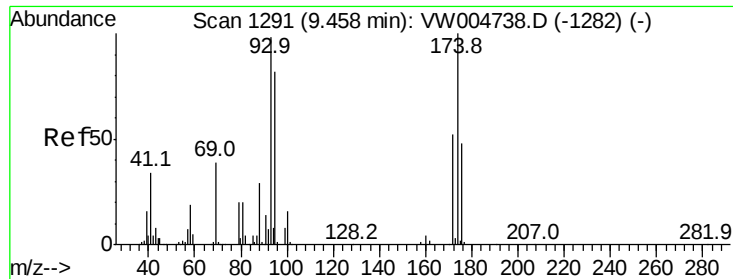
69 90.5 75.2 112.8

39 47.3 39.8 59.6



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: 1077.282 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.02 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

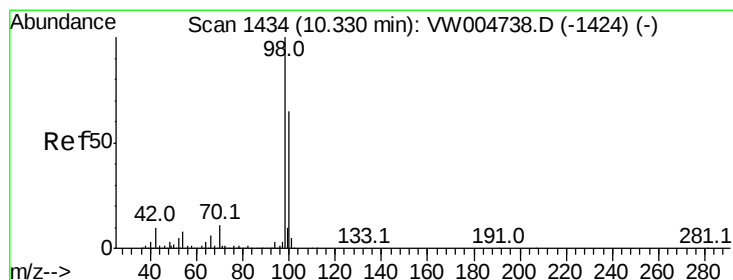
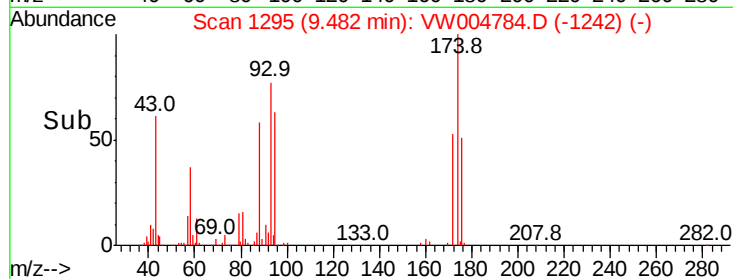
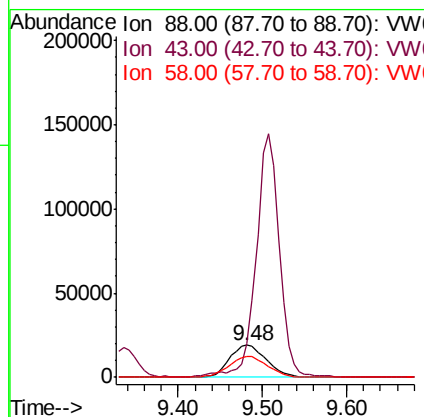
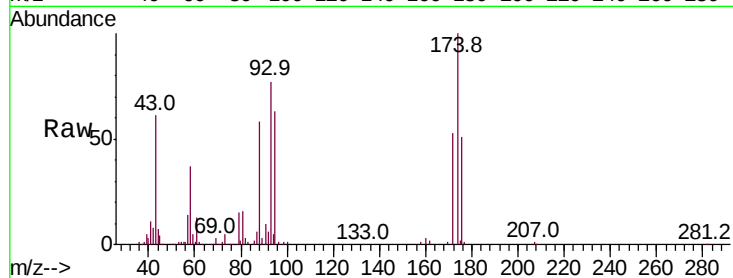
Tot Ion: 88 Resp: 56488

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 69.3 60.0 90.0



#50

Toluene-d8

Concen: 50.546 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004784.D

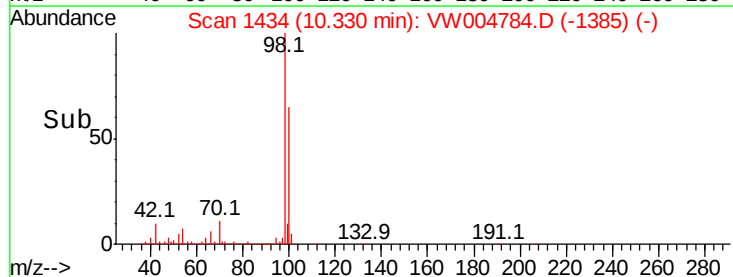
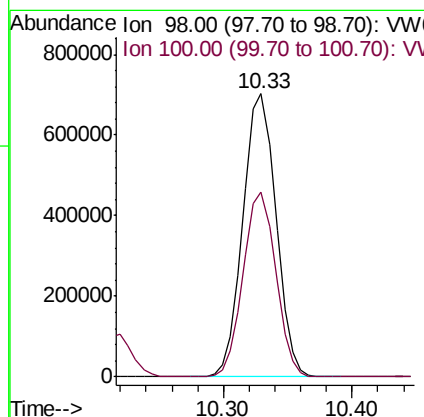
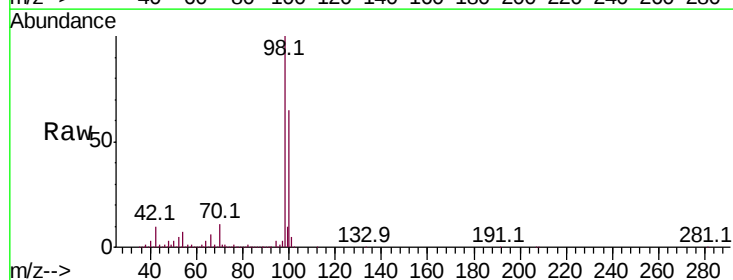
Acq: 20 Aug 2018 11:57

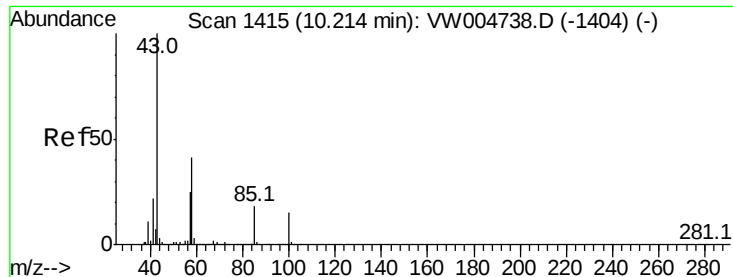
Tgt Ion: 98 Resp: 1247505

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 228.739 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

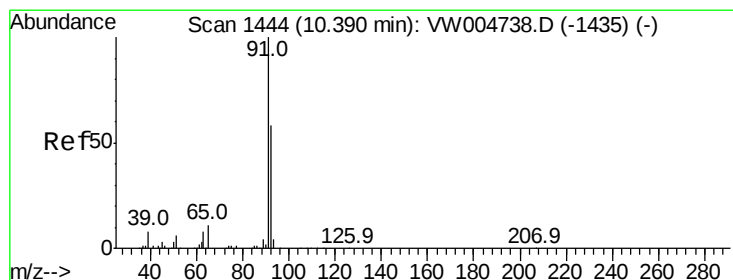
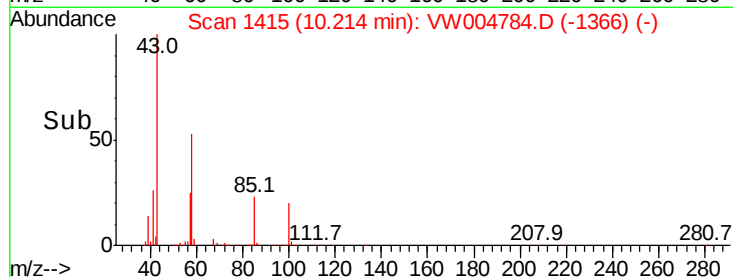
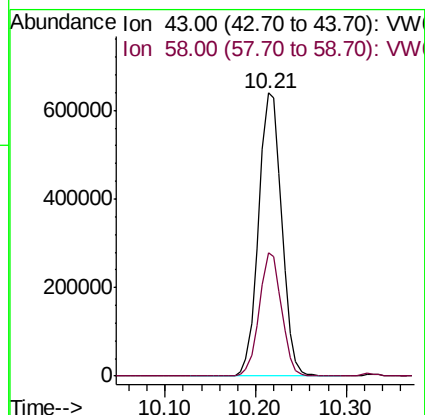
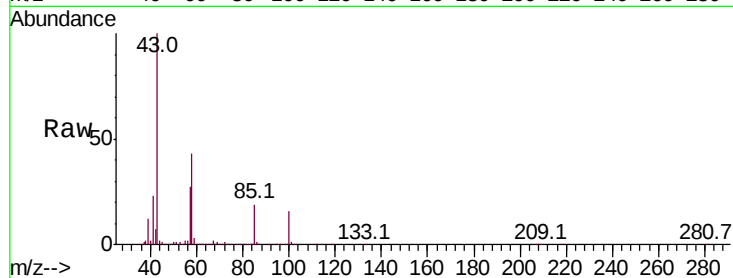
ClientSampled :

Tot Ion: 43 Resp: 1128062

Ion Ratio Lower Upper

43 100

58 41.9 32.7 49.1



#52

Toluene

Concen: 51.674 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004784.D

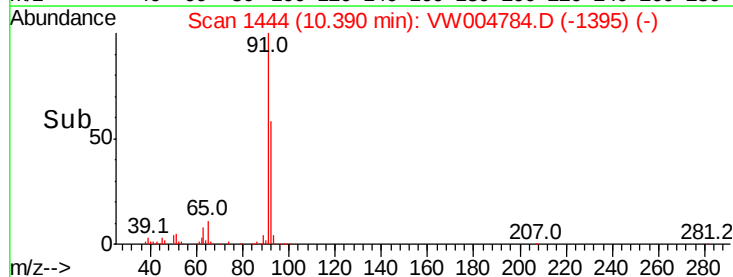
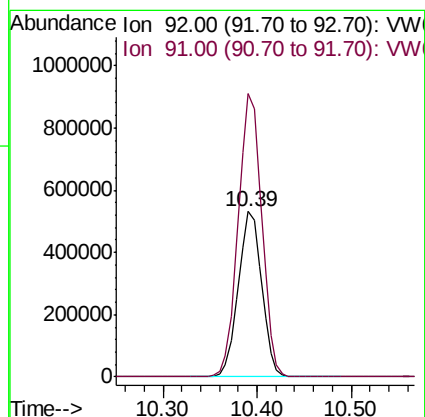
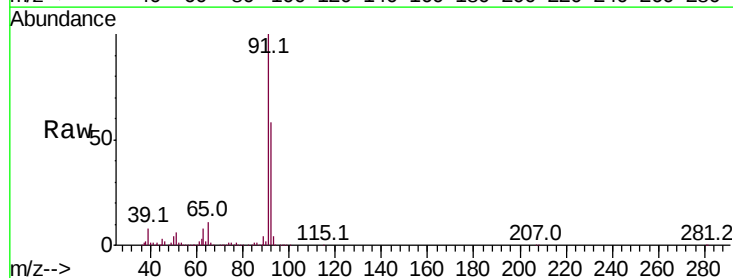
Acq: 20 Aug 2018 11:57

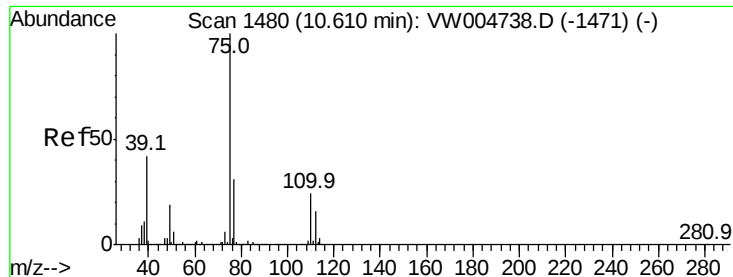
Tgt Ion: 92 Resp: 917856

Ion Ratio Lower Upper

92 100

91 172.8 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 50.540 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

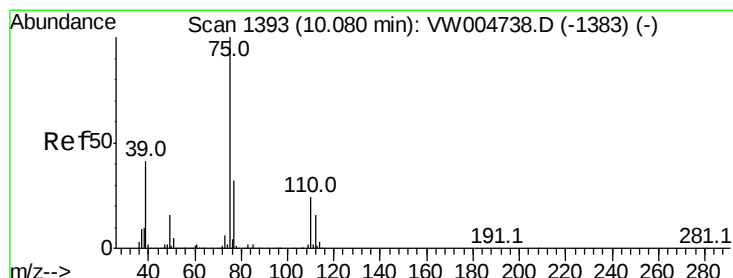
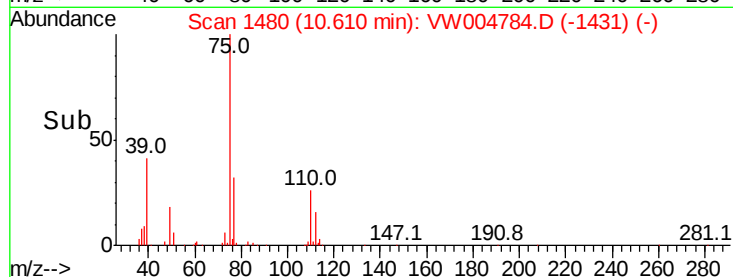
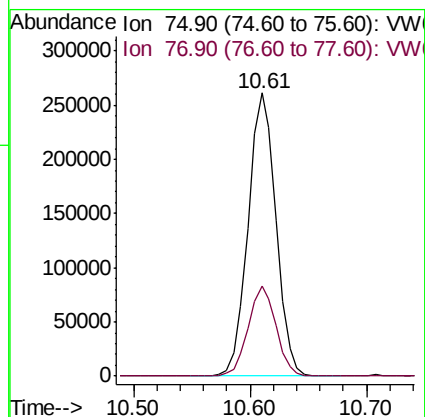
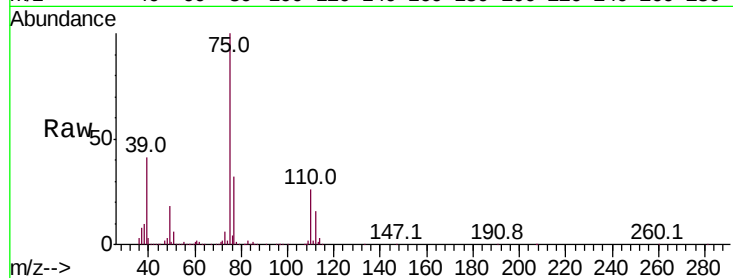
ClientSampleId :

Tot Ion: 75 Resp: 436452

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 51.170 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

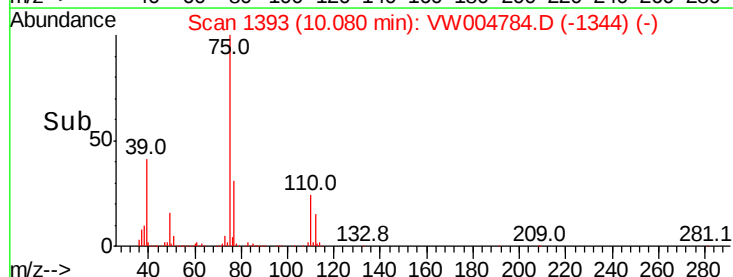
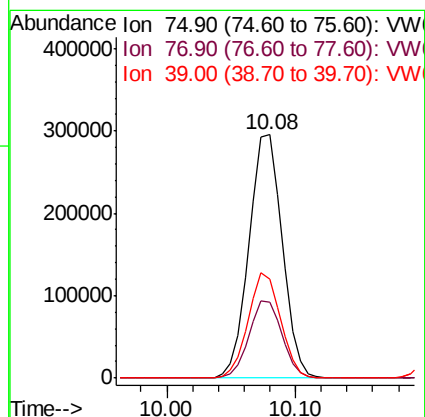
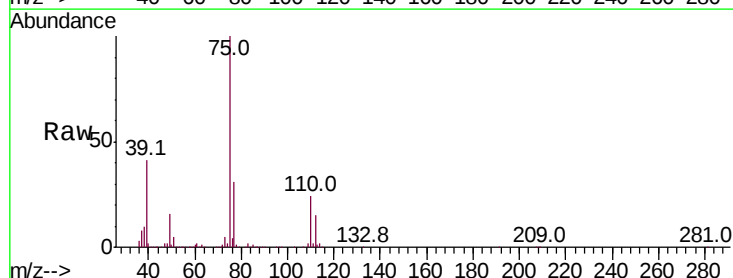
Tgt Ion: 75 Resp: 526803

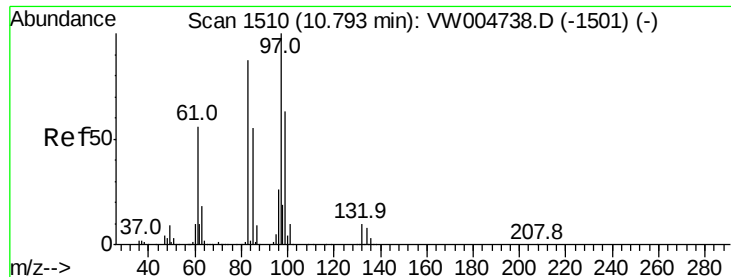
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 40.8 33.0 49.4

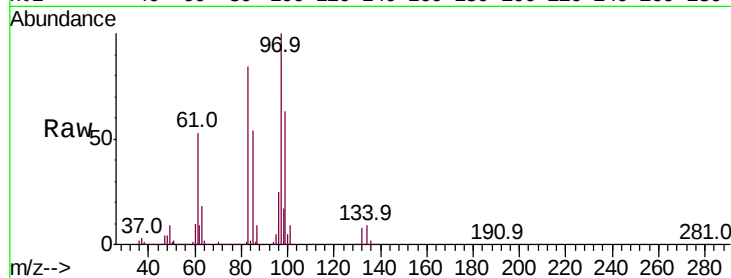




#55
 1,1,2-Trichloroethane
 Concen: 47.842 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	244073
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.4	104.2
85	54.1	44.3	66.5
99	63.2	50.2	75.2



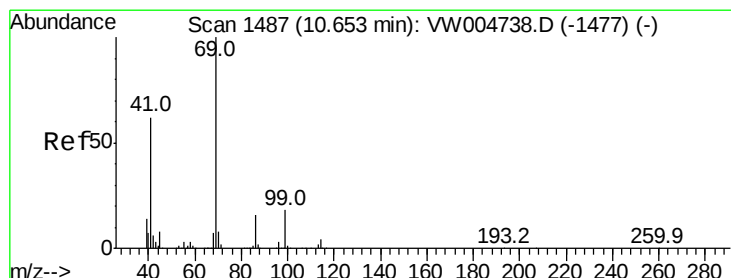
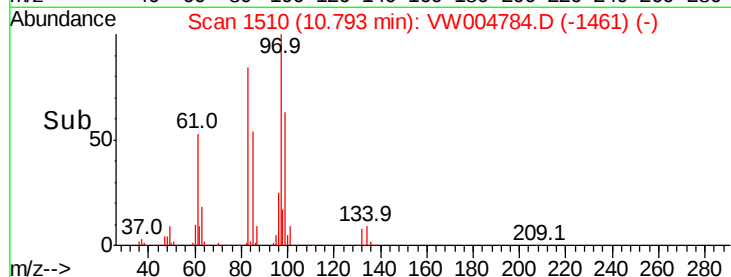
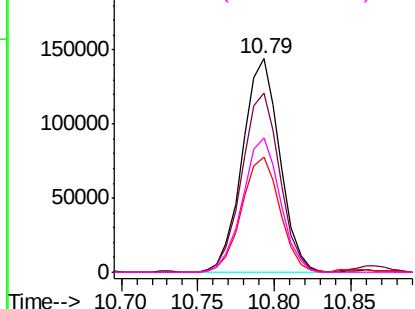
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

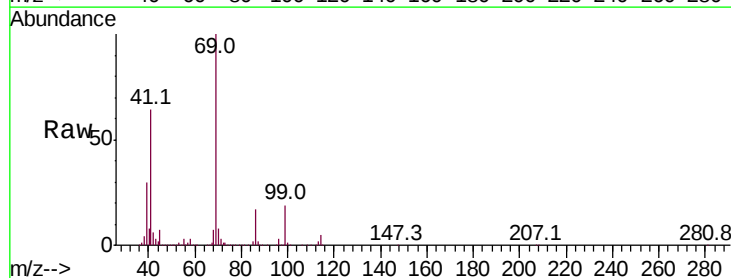
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 44.903 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion:	69	Resp:	297126
Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.7	76.1
39	26.8	21.4	32.2

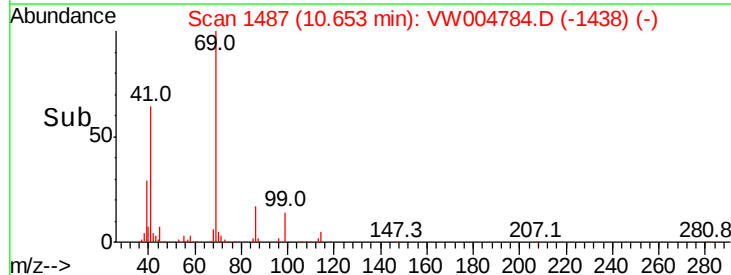
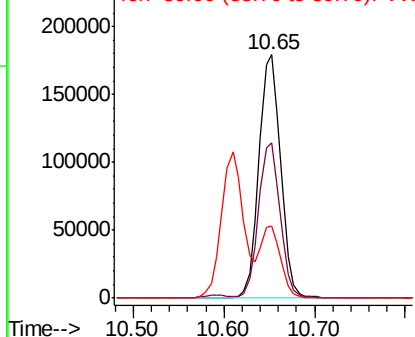


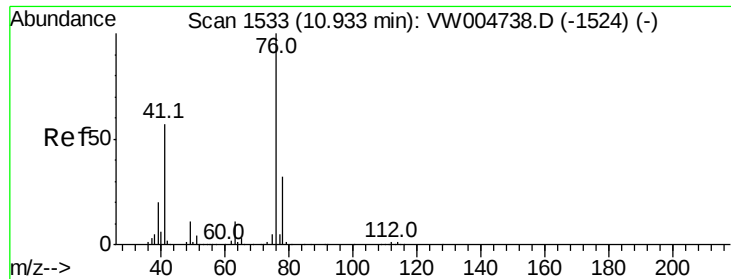
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 48.135 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

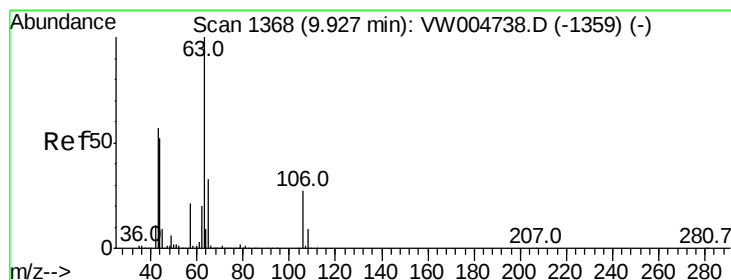
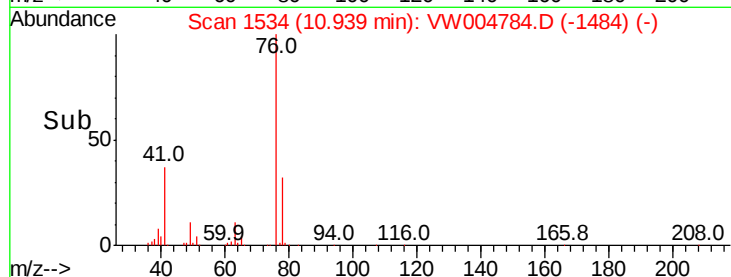
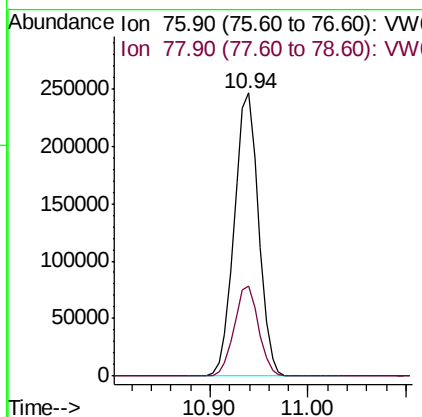
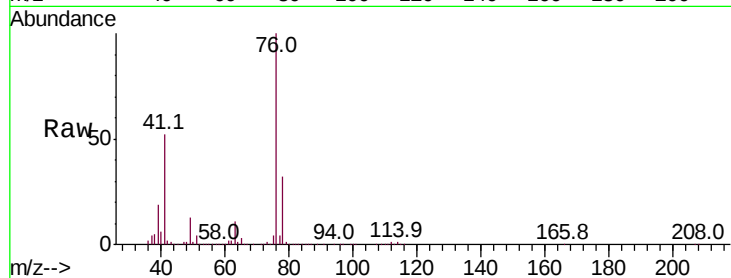
Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 423893

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



#58

2-Chloroethyl Vinyl ether

Concen: 247.884 ug/l

RT: 9.93 min Scan# 1368

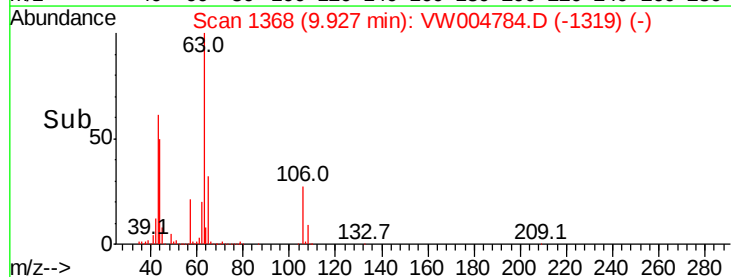
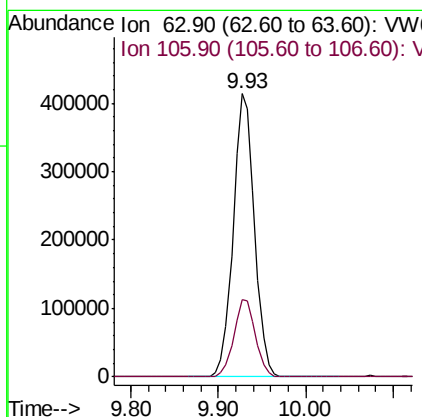
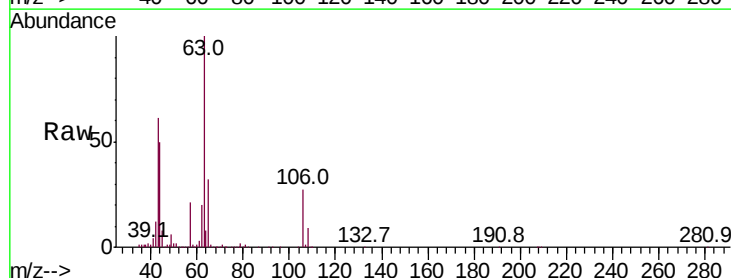
Delta R.T. 0.00 min

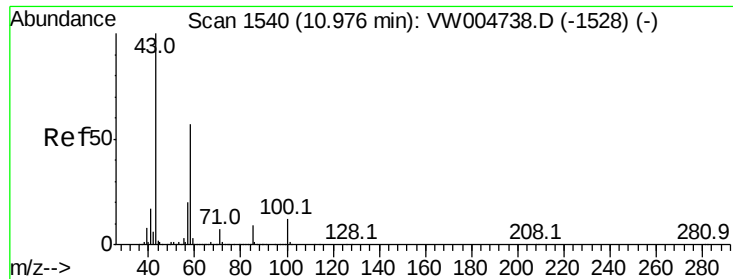
Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Tgt Ion: 63 Resp: 698407

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.1	33.1

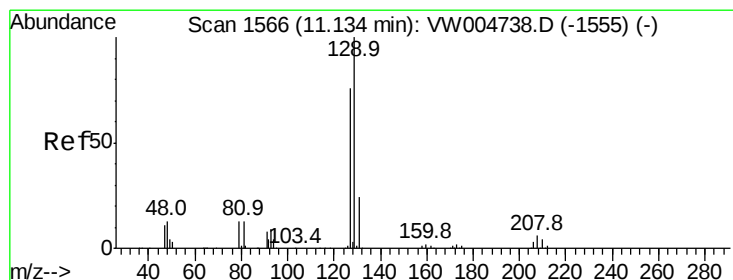
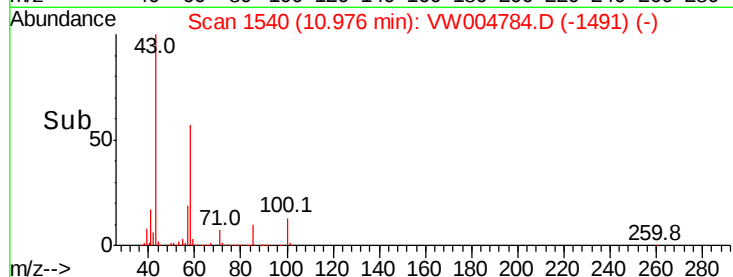
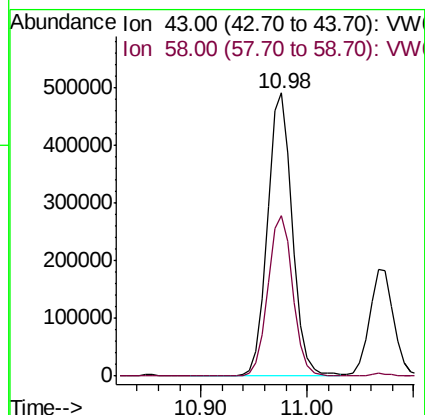
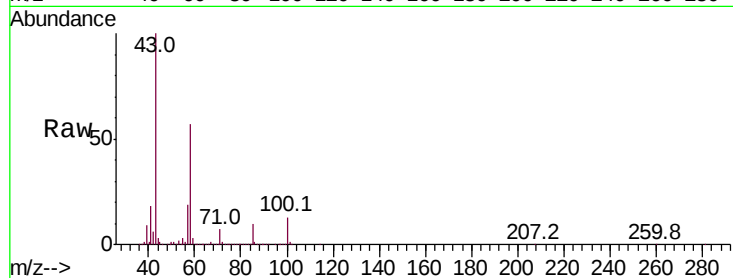




#59
2-Hexanone
Concen: 239.095 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

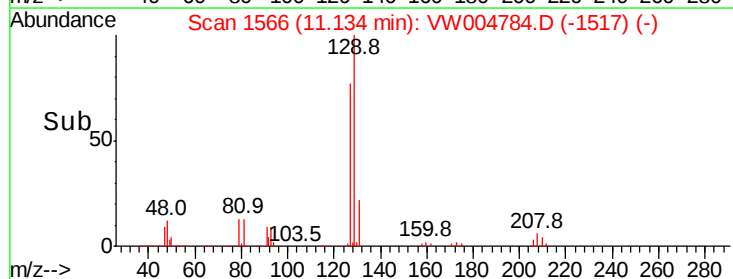
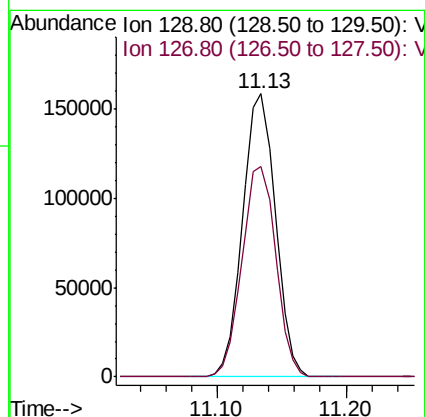
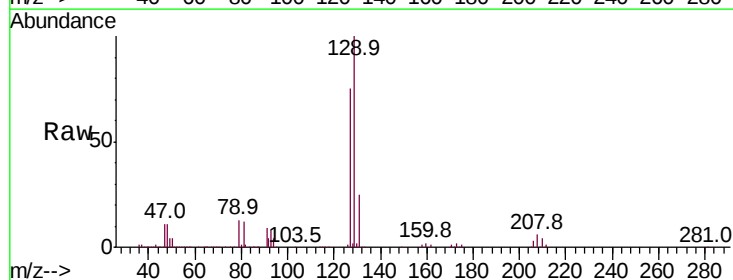
Instrument :
MSVOA_W
ClientSampleId :

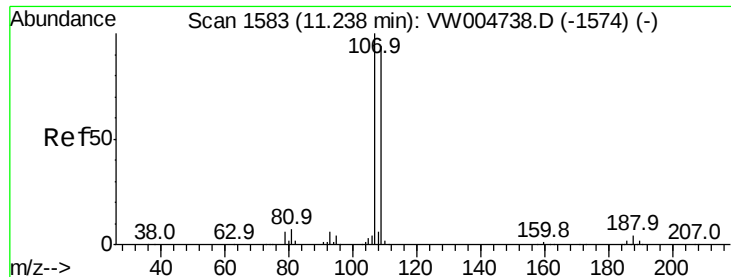
Tot Ion: 43 Resp: 798941
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.4



#60
Dibromochloromethane
Concen: 48.975 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion: 129 Resp: 280324
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.230 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

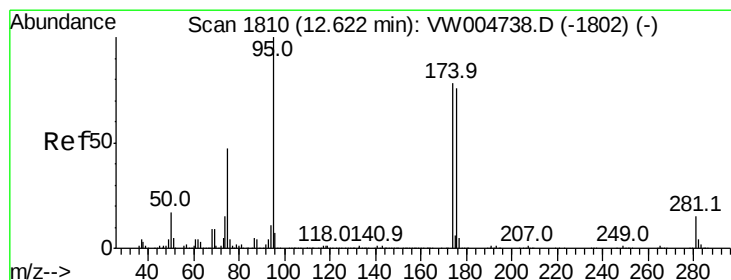
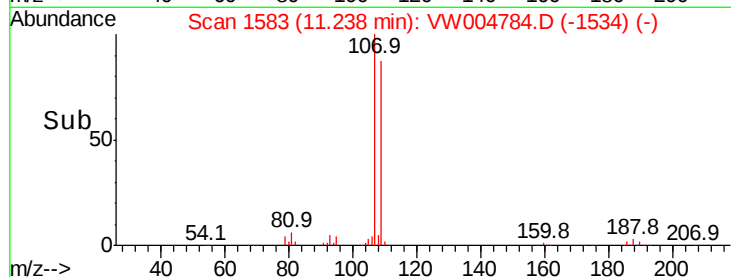
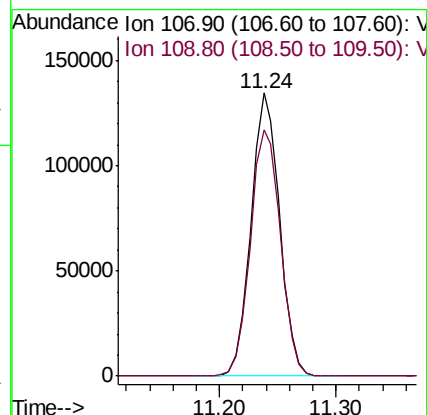
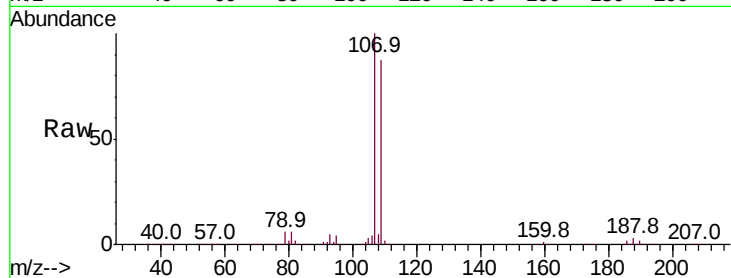
ClientSampleId :

Tot Ion:107 Resp: 230324

Ion Ratio Lower Upper

107 100

109 92.0 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 49.120 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

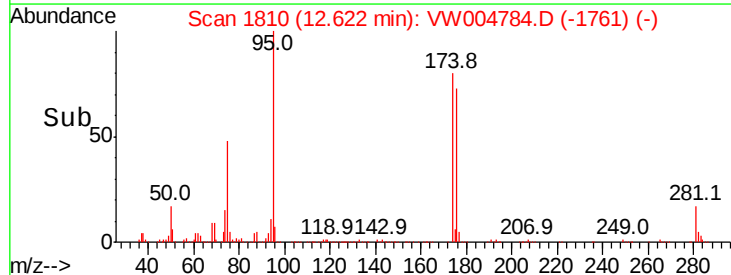
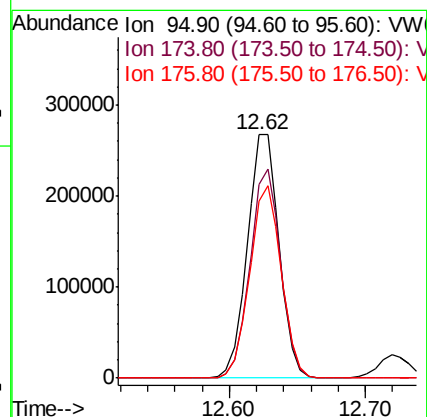
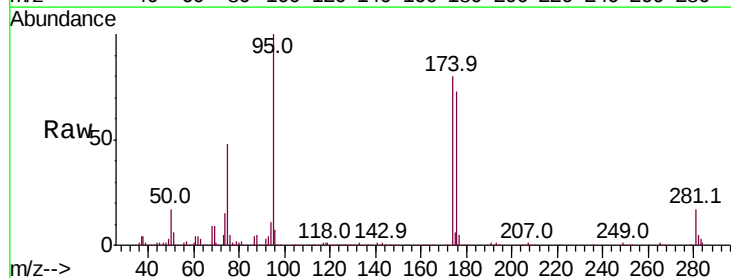
Tgt Ion: 95 Resp: 436142

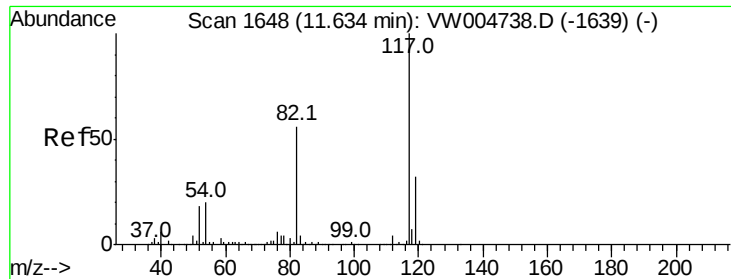
Ion Ratio Lower Upper

95 100

174 83.8 0.0 165.8

176 78.7 0.0 159.8

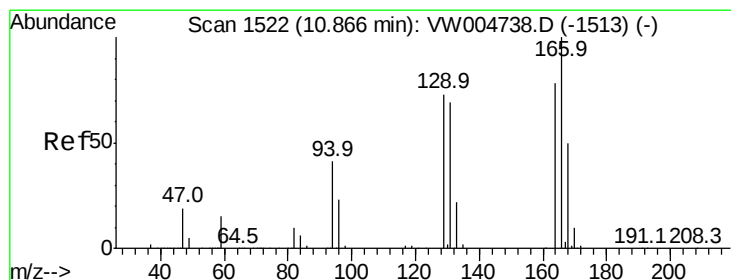
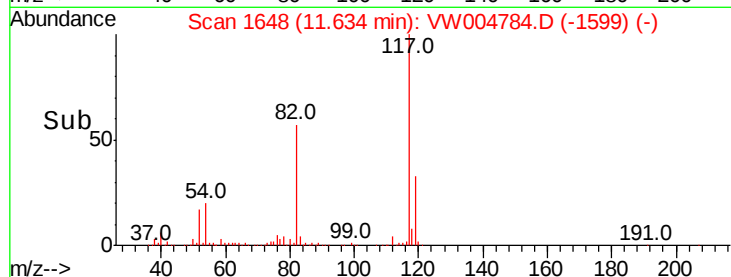
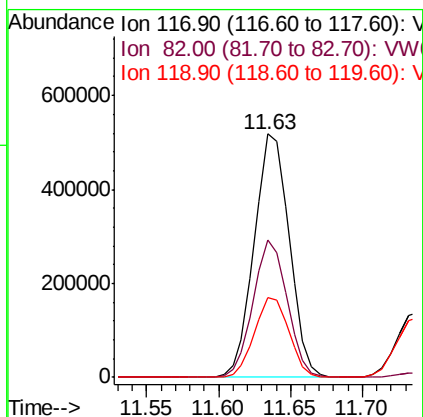
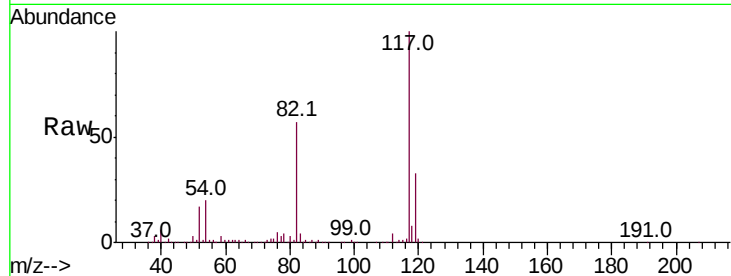




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

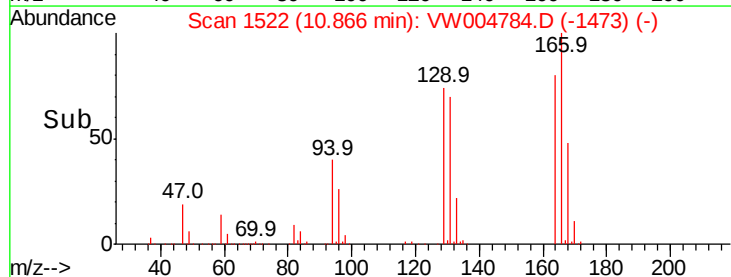
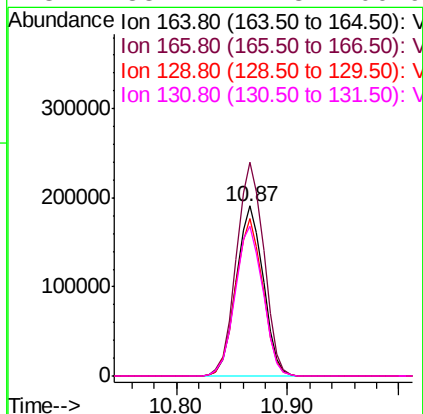
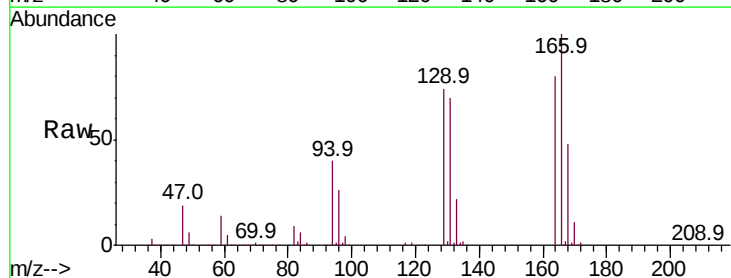
Instrument :
MSVOA_W
ClientSampleId :

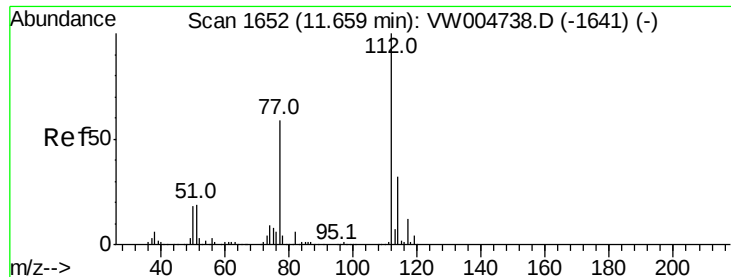
Tot Ion:117 Resp: 873625
Ion Ratio Lower Upper
117 100
82 56.6 44.6 67.0
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 53.733 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion:164 Resp: 320812
Ion Ratio Lower Upper
164 100
166 125.7 102.5 153.7
129 92.9 75.1 112.7
131 88.2 71.3 106.9

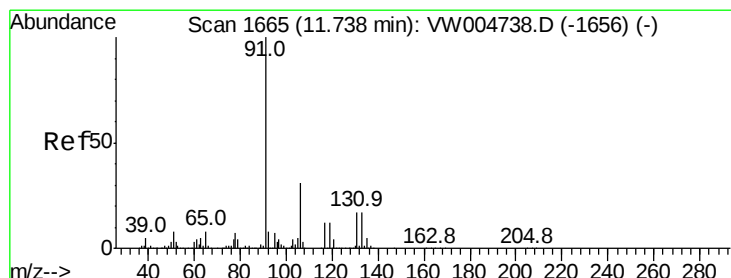
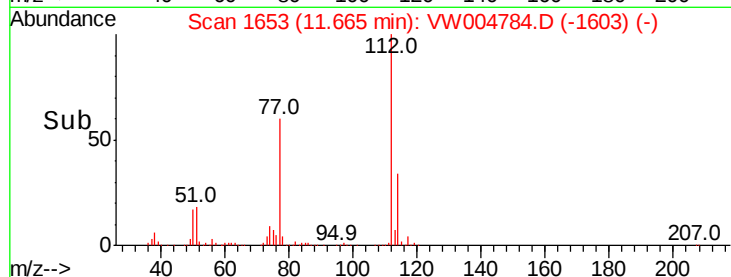
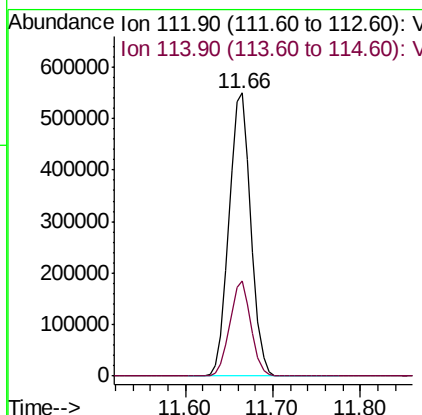
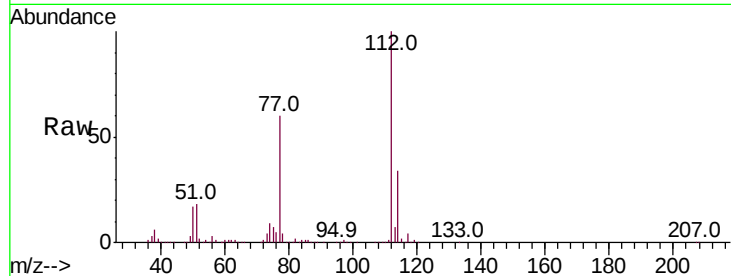




#65
Chlorobenzene
Concen: 50.604 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

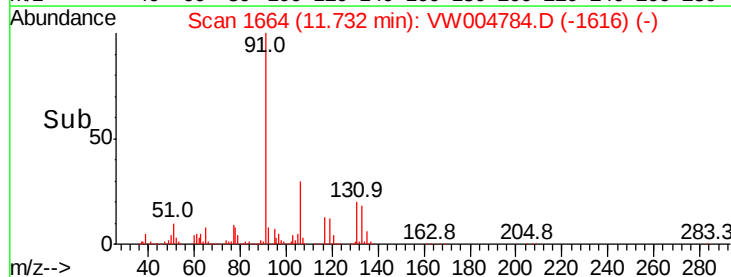
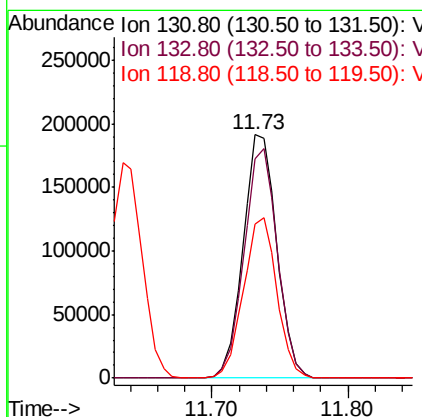
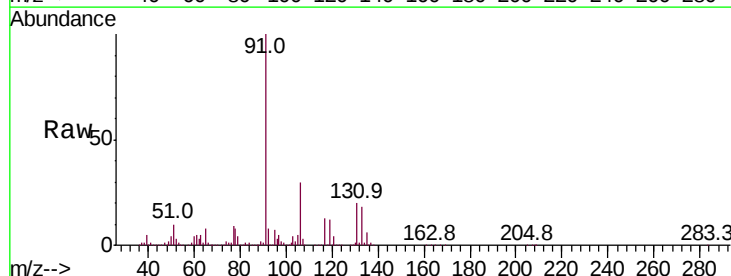
Instrument :
MSVOA_W
ClientSampleId :

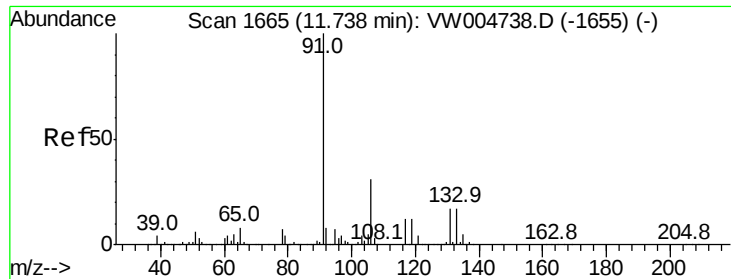
Tot Ion:112 Resp: 951513
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.057 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion:131 Resp: 330507
Ion Ratio Lower Upper
131 100
133 93.8 48.2 144.6
119 65.6 34.0 102.0

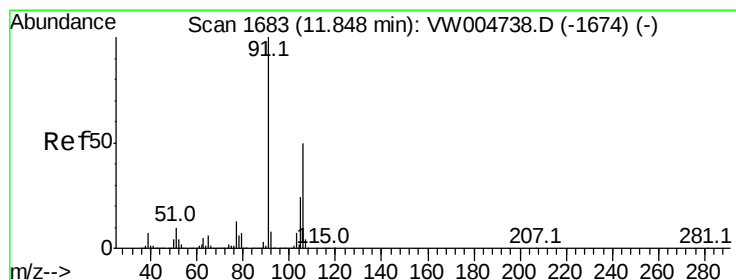
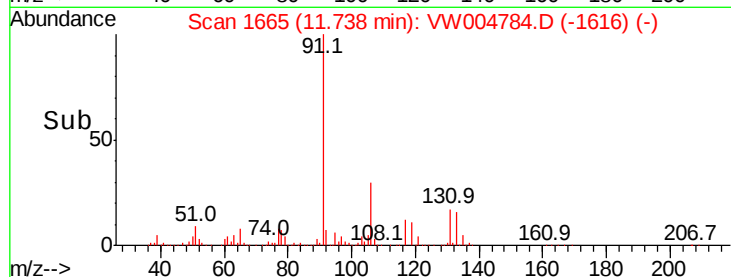
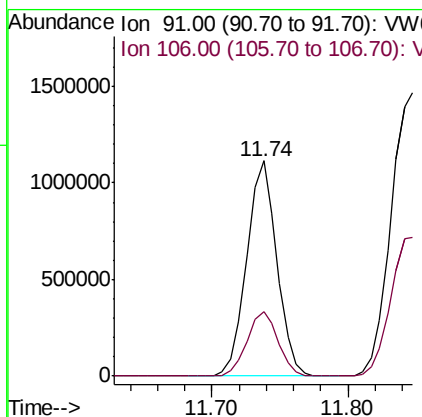
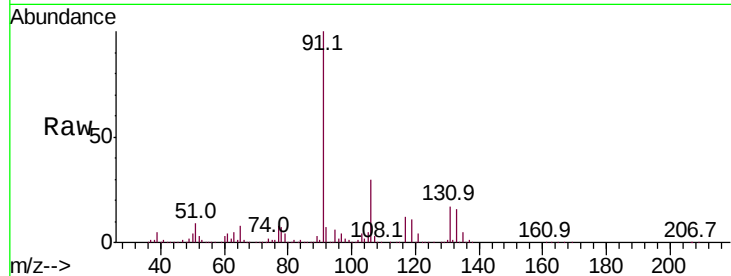




#67
Ethyl Benzene
Concen: 54.180 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

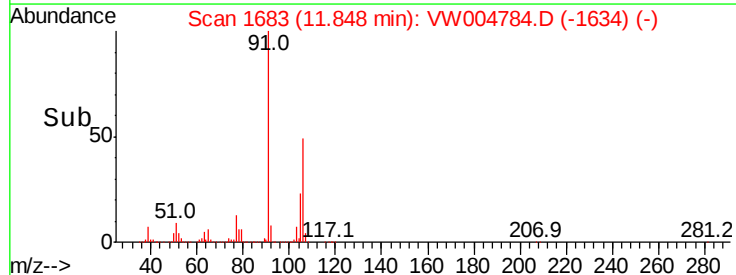
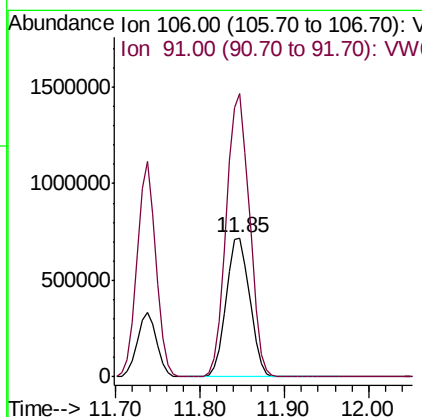
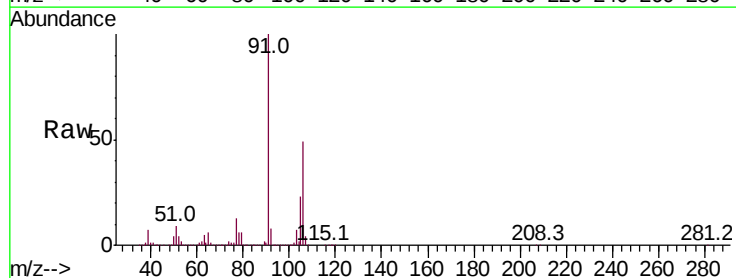
Instrument :
MSVOA_W
ClientSampleId :

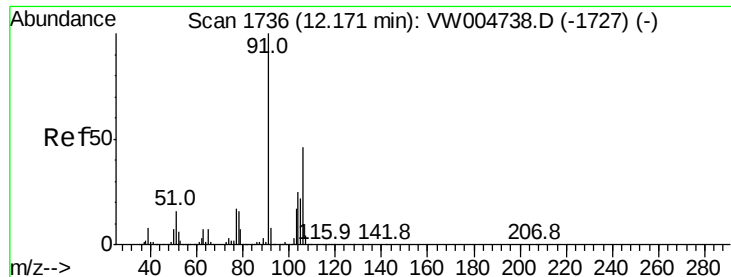
Tot Ion: 91 Resp: 1727081
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3



#68
m/p-Xylenes
Concen: 109.797 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion:106 Resp: 1361678
Ion Ratio Lower Upper
106 100
91 200.5 159.9 239.9

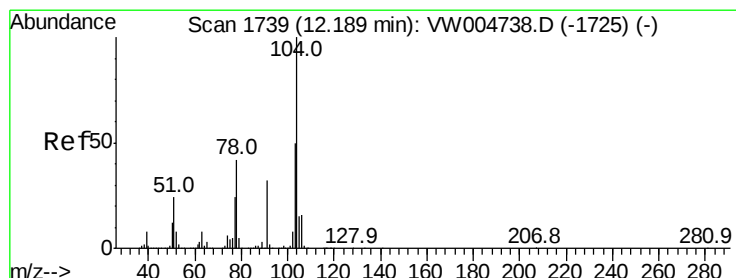
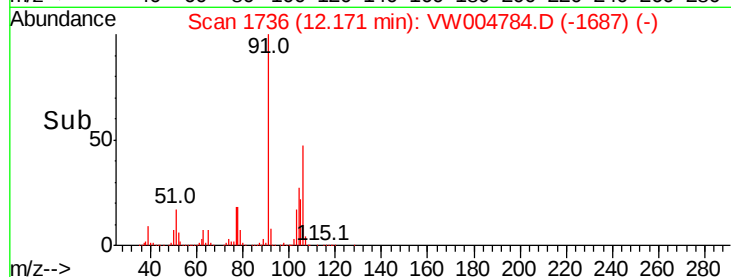
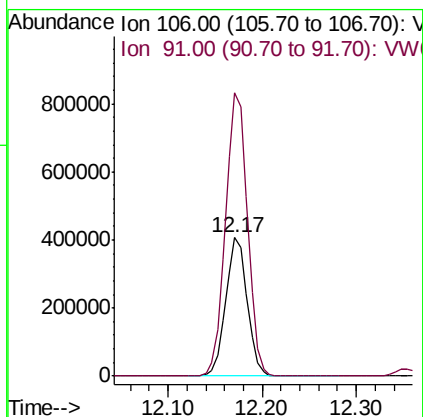
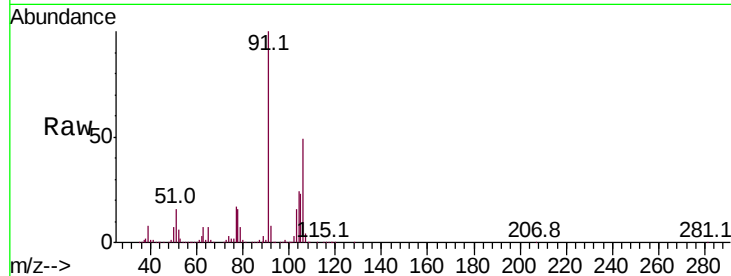




#69
o-Xylene
Concen: 55.894 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

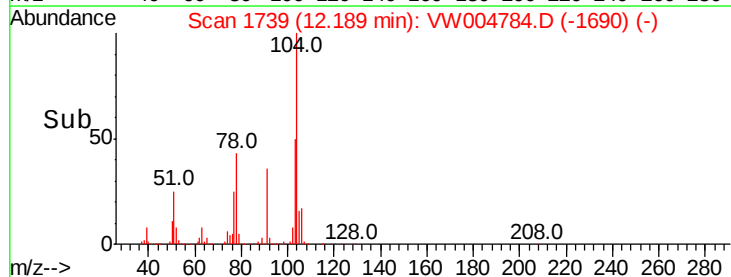
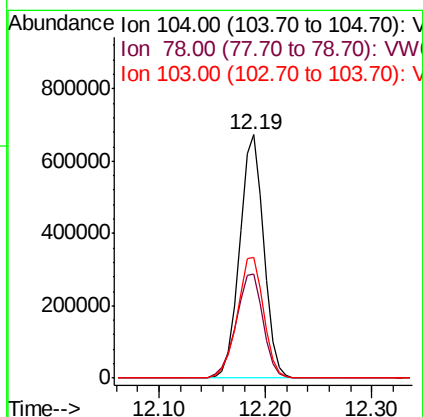
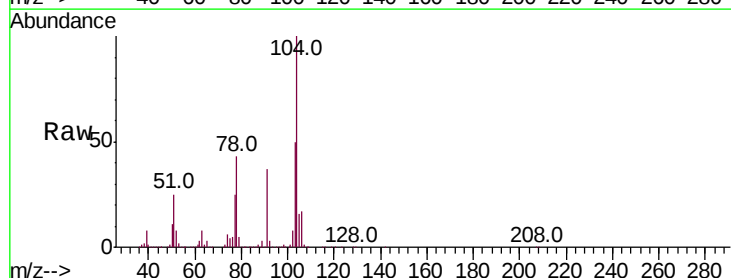
Instrument :
MSVOA_W
ClientSampleId :

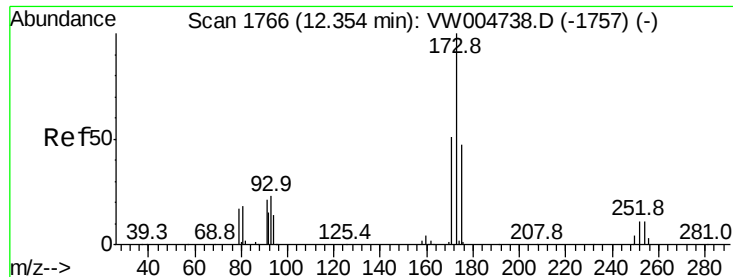
Tot Ion:106 Resp: 641707
Ion Ratio Lower Upper
106 100
91 209.4 107.3 321.8



#70
Styrene
Concen: 55.528 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion:104 Resp: 1070871
Ion Ratio Lower Upper
104 100
78 47.8 38.4 57.6
103 54.5 44.1 66.1





#71

Bromoform

Concen: 51.018 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

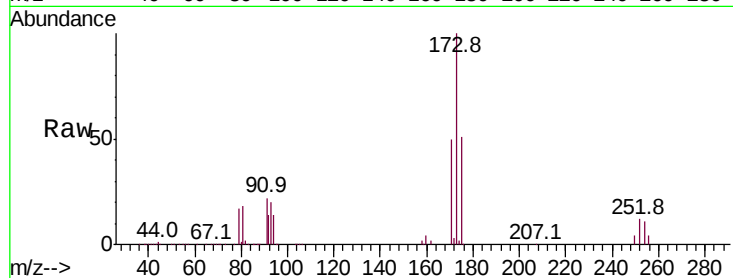
Tot Ion:173 Resp: 170964

Ion Ratio Lower Upper

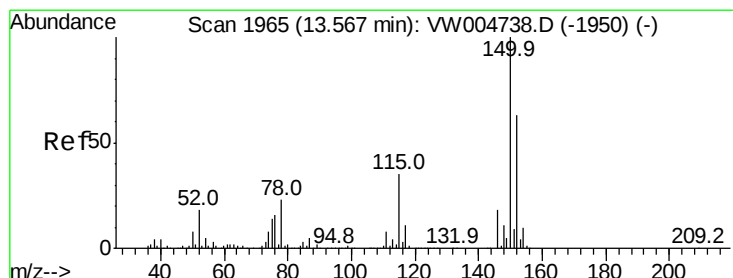
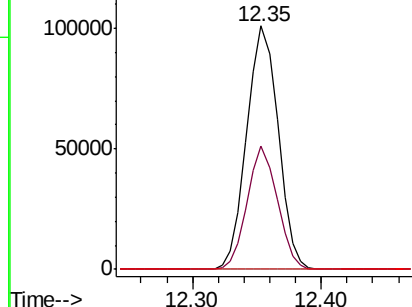
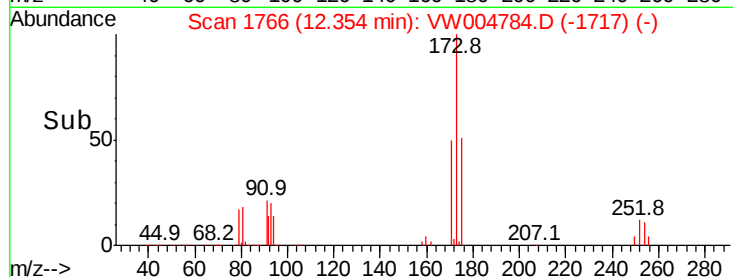
173 100

175 48.5 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

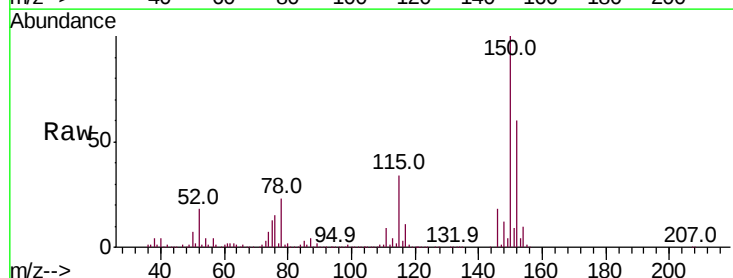
Tgt Ion:152 Resp: 466236

Ion Ratio Lower Upper

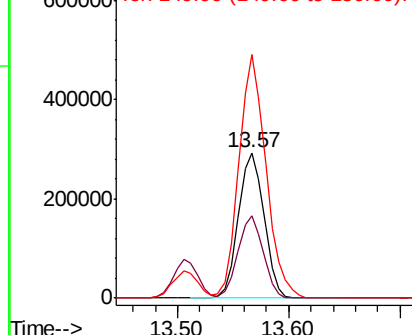
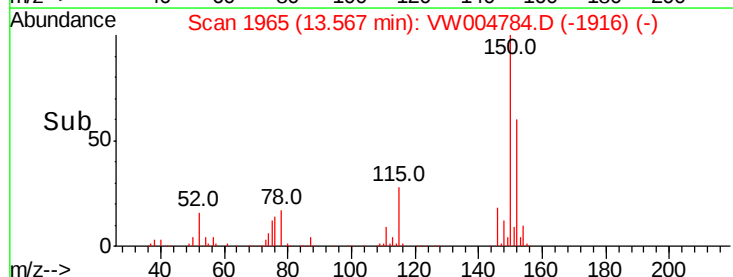
152 100

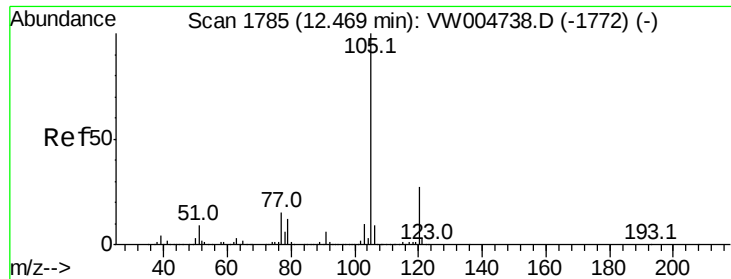
115 55.6 28.5 85.5

150 177.2 0.0 344.8



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





#73

Isopropylbenzene

Concen: 56.226 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

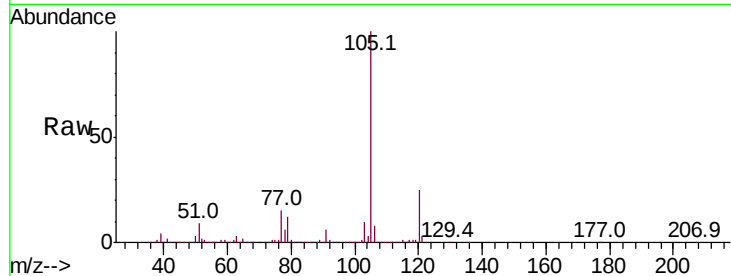
ClientSampled :

Tot Ion:105 Resp: 1783415

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

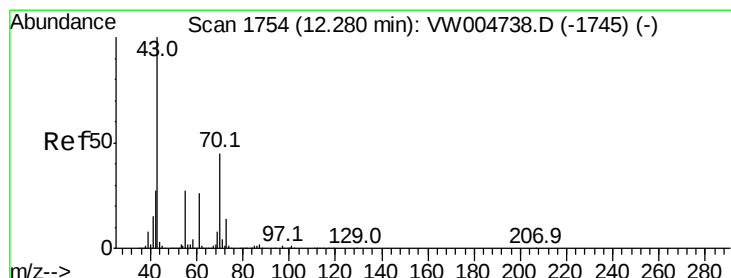
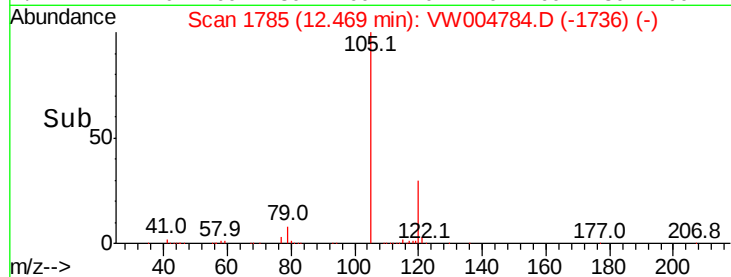
1000000

500000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 43.785 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Tgt Ion: 43 Resp: 321235

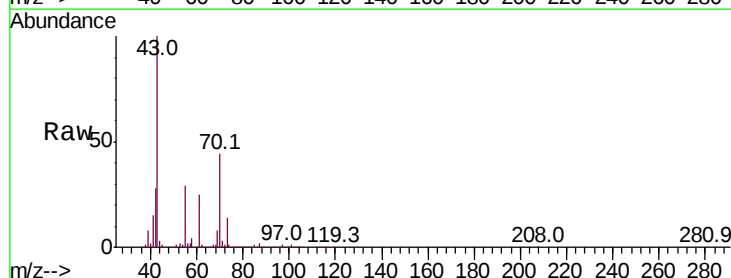
Ion Ratio Lower Upper

43 100

70 45.4 36.3 54.5

55 29.3 22.6 33.8

61 25.2 20.2 30.4



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

300000

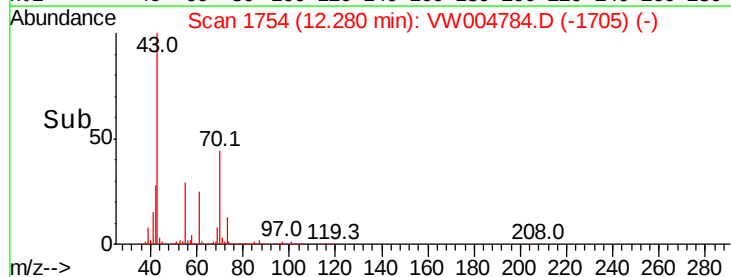
200000

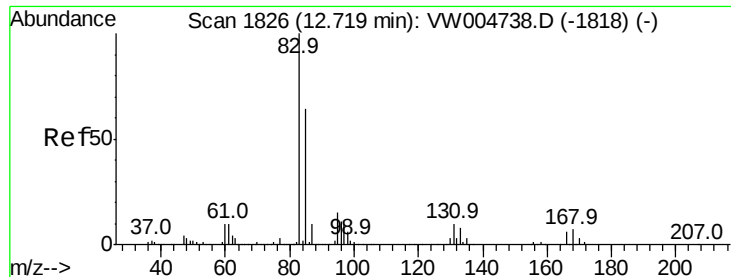
100000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 48.025 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

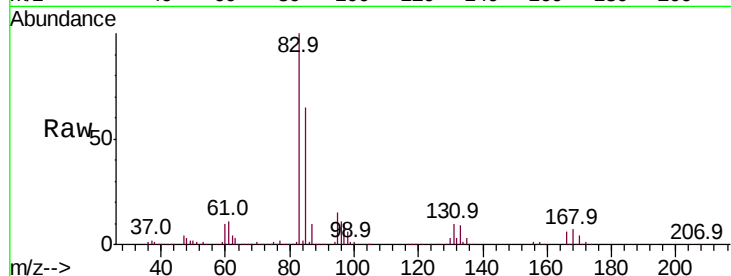
Tot Ion: 83 Resp: 282184

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

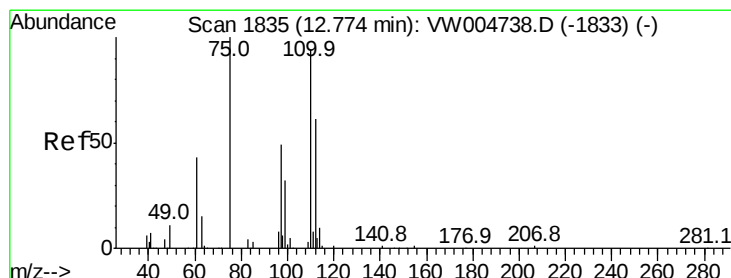
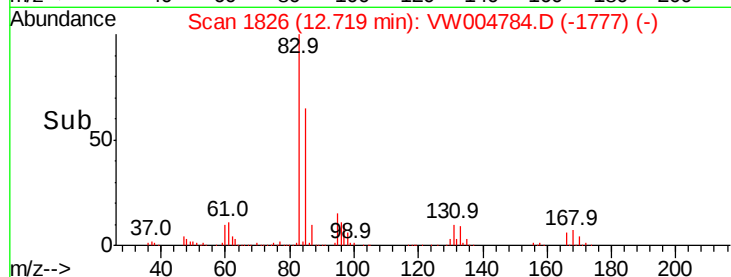
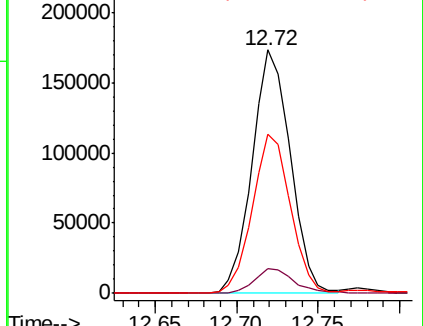
85 64.9 31.9 95.9



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: 90.833 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004784.D

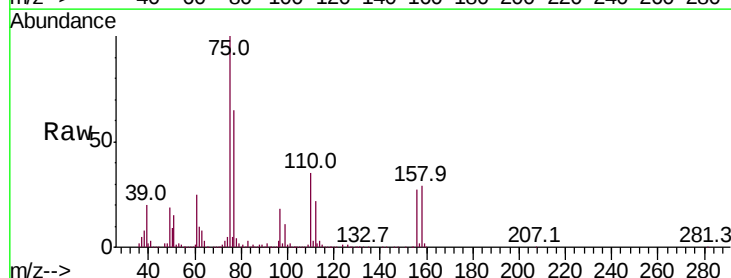
Acq: 20 Aug 2018 11:57

Tgt Ion: 75 Resp: 373320

Ion Ratio Lower Upper

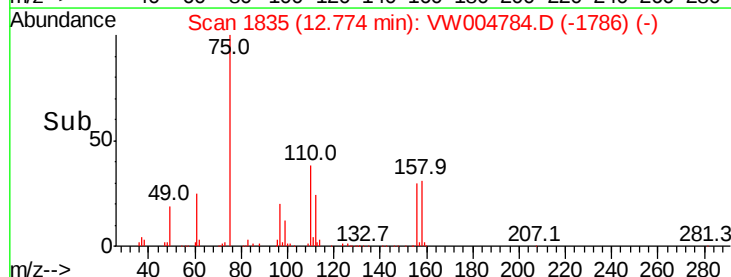
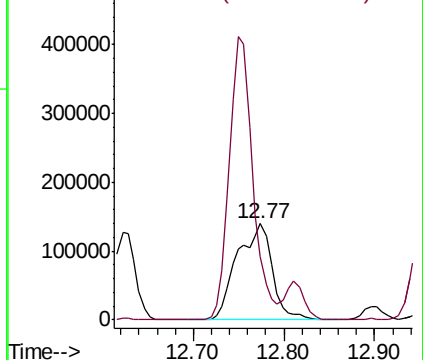
75 100

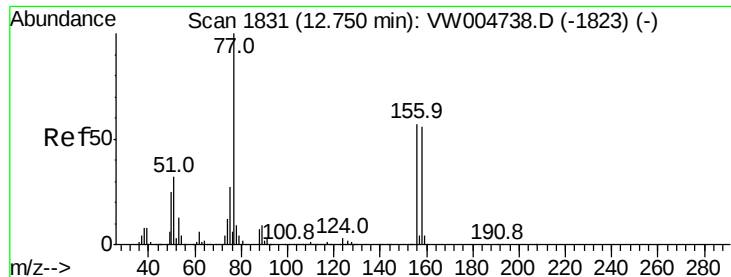
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.755 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

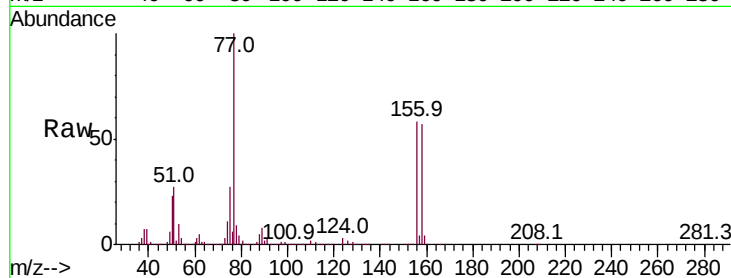
Tot Ion:156 Resp: 397347

Ion Ratio Lower Upper

156 100

77 187.2 94.2 282.4

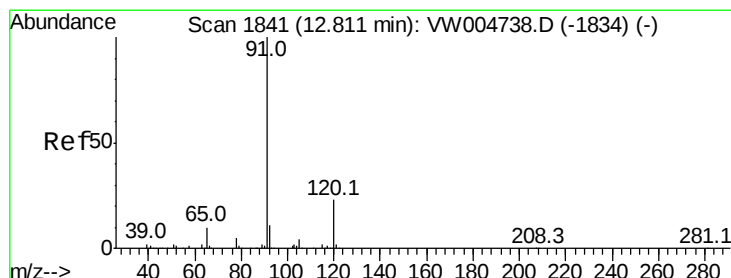
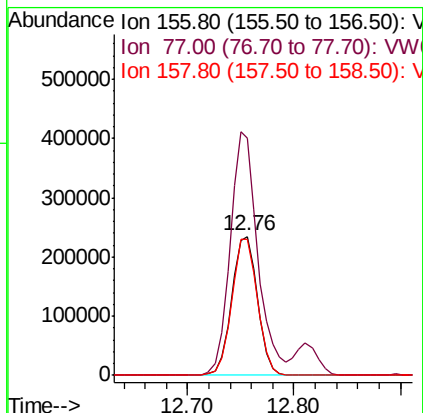
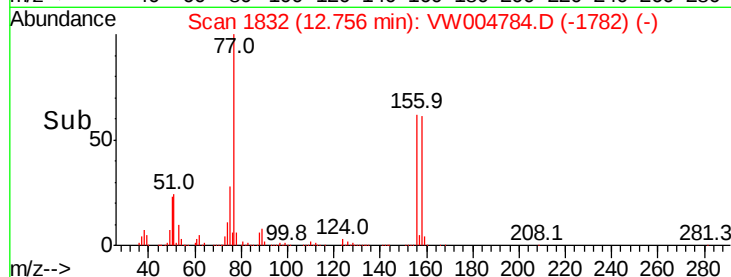
158 98.3 48.6 145.9



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: 56.773 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004784.D

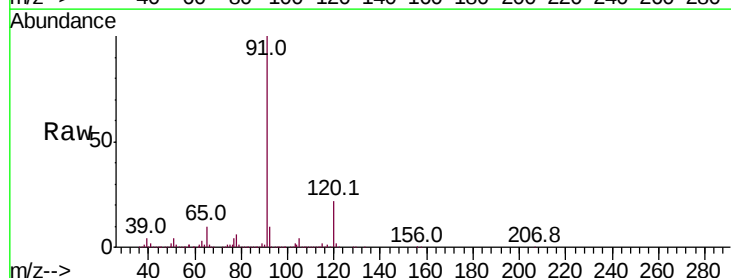
Acq: 20 Aug 2018 11:57

Tgt Ion: 91 Resp: 2197412

Ion Ratio Lower Upper

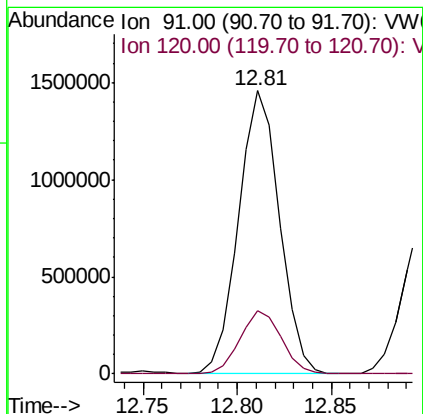
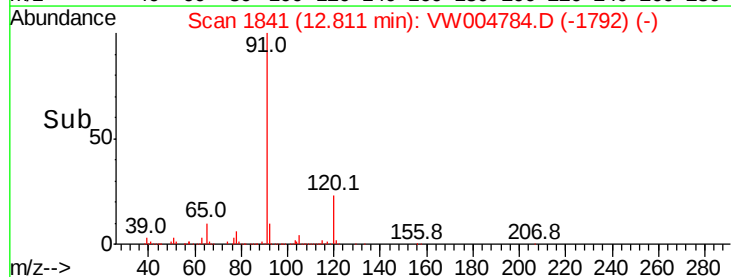
91 100

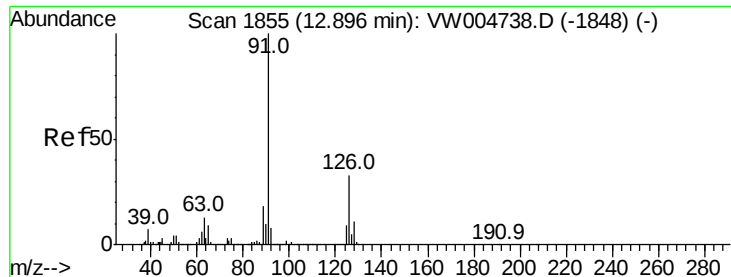
120 22.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.000 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

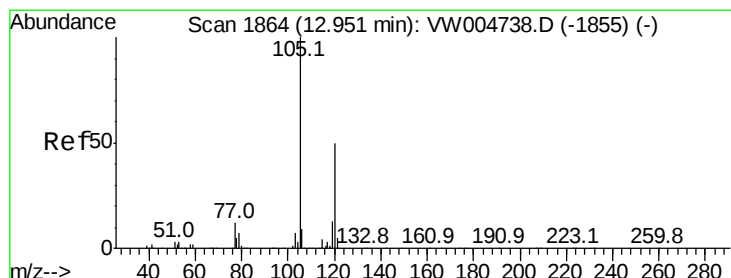
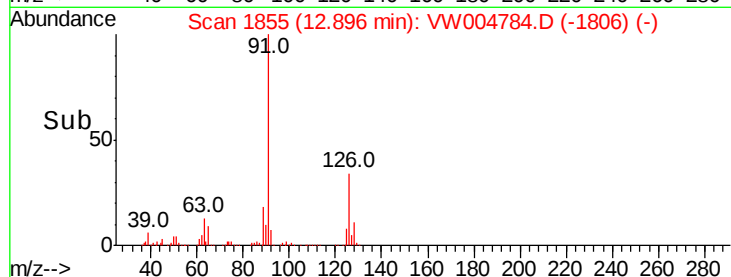
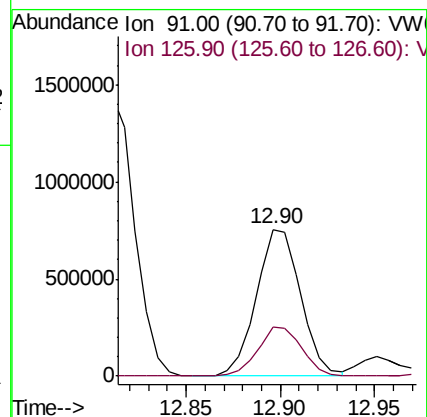
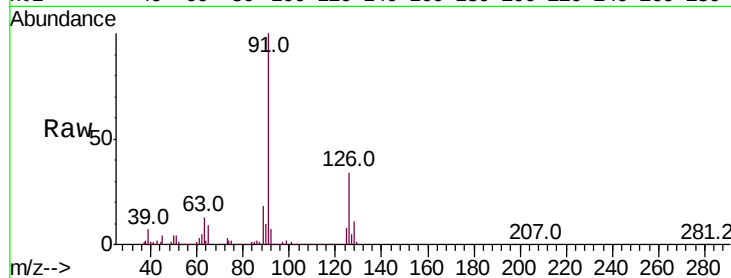
ClientSampleId :

Tot Ion: 91 Resp: 1227067

Ion Ratio Lower Upper

91 100

126 33.6 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 54.539 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004784.D

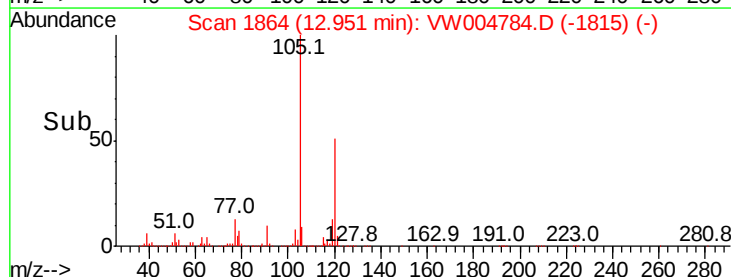
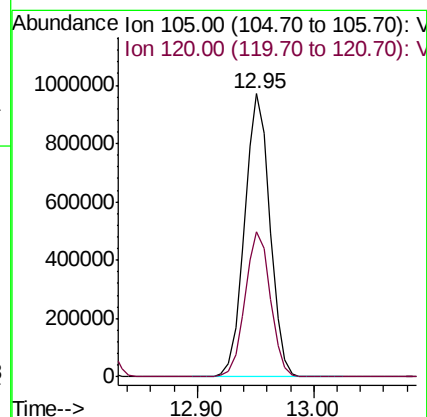
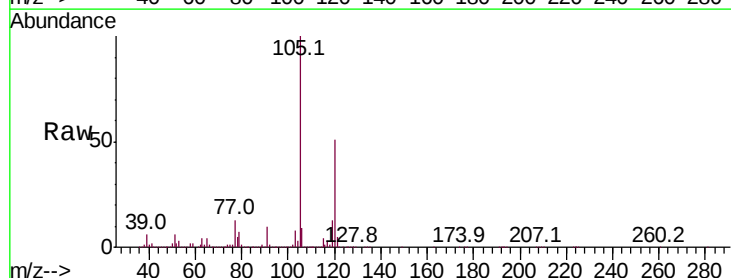
Acq: 20 Aug 2018 11:57

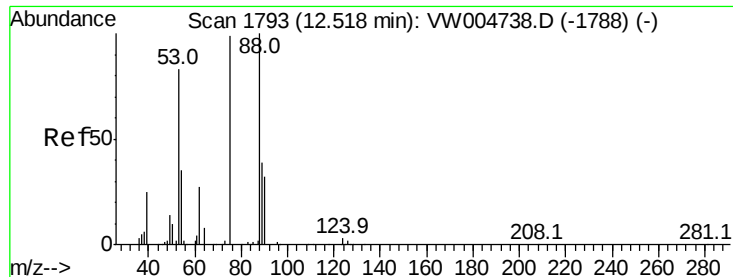
Tgt Ion:105 Resp: 1469645

Ion Ratio Lower Upper

105 100

120 51.5 24.7 74.1

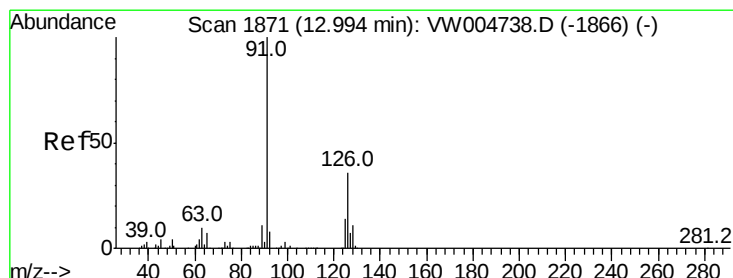
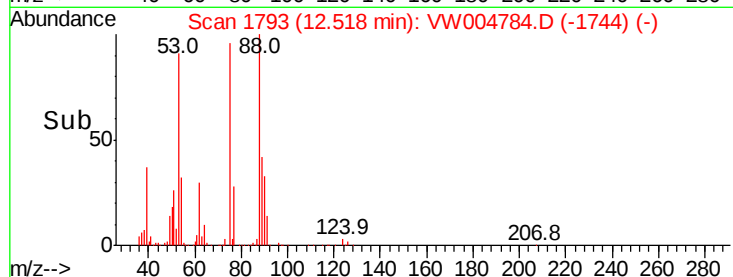
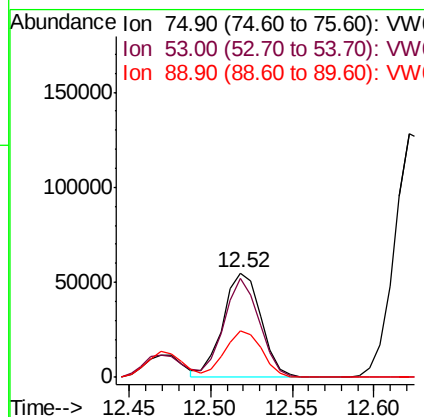
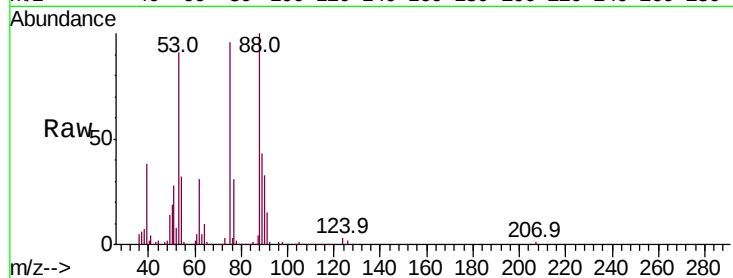




#81
trans-1,4-Dichloro-2-butene
Concen: 49.931 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

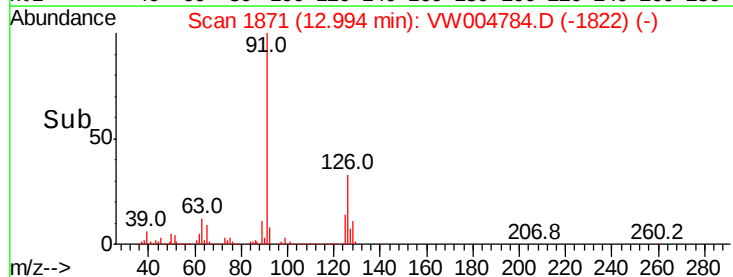
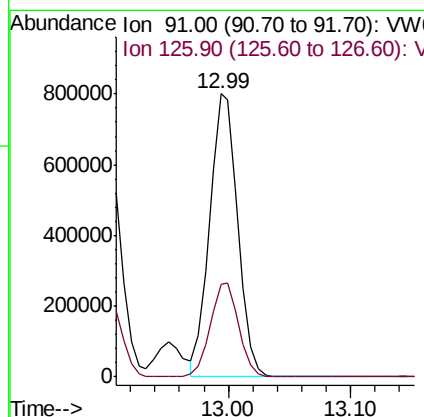
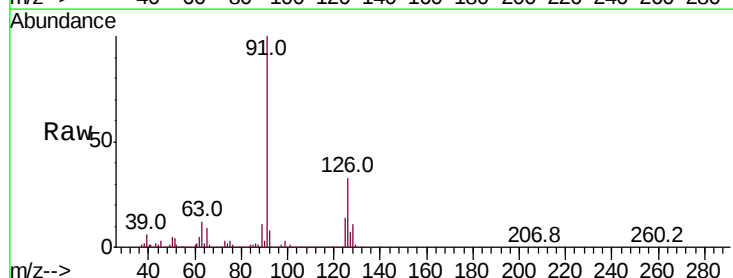
Instrument :
MSVOA_W
ClientSampleId :

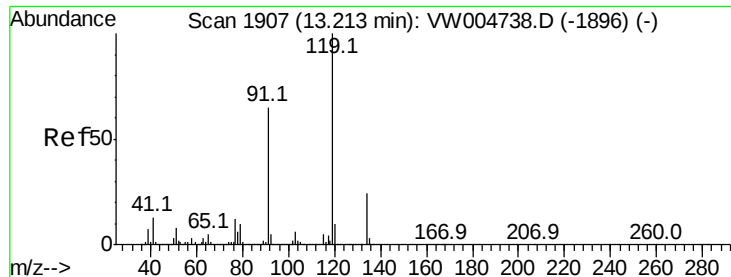
Tot Ion: 75 Resp: 88293
Ion Ratio Lower Upper
75 100
53 88.4 72.2 108.4
89 44.0 35.2 52.8



#82
4-Chlorotoluene
Concen: 53.769 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion: 91 Resp: 1274577
Ion Ratio Lower Upper
91 100
126 33.9 16.9 50.7

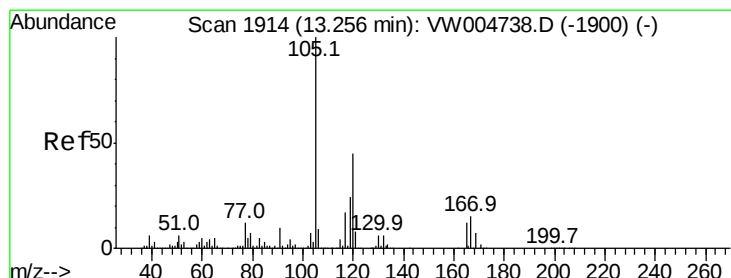
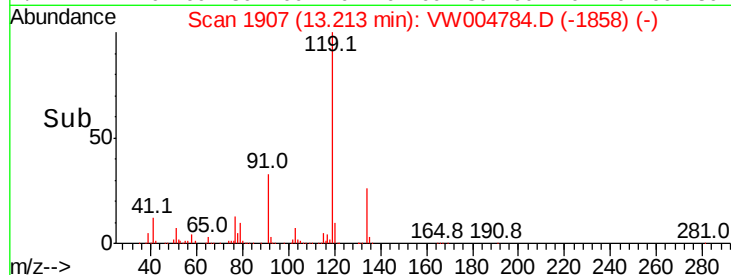
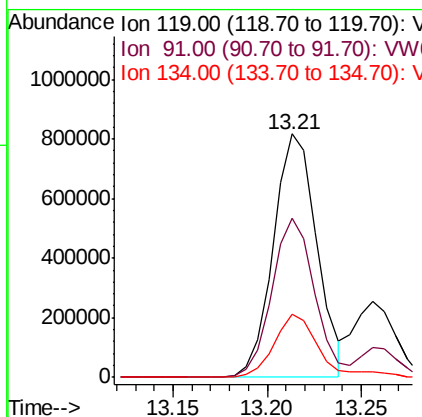
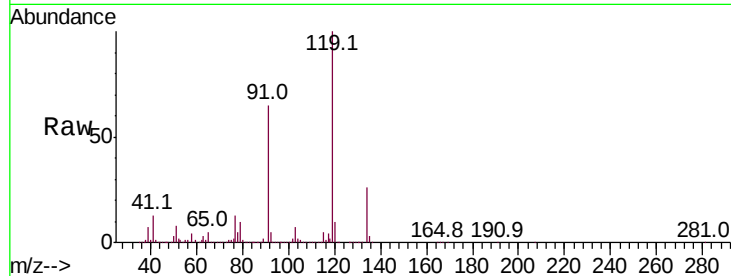




#83
 tert-Butylbenzene
 Concen: 56.784 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

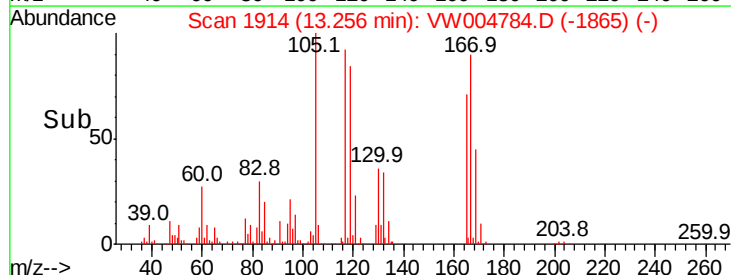
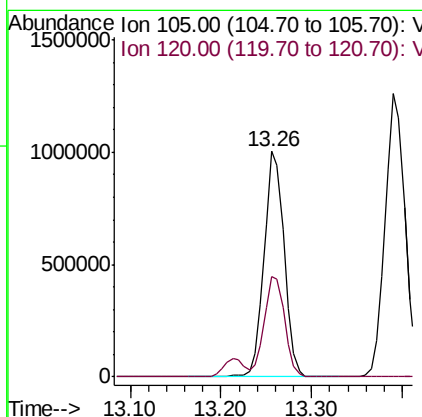
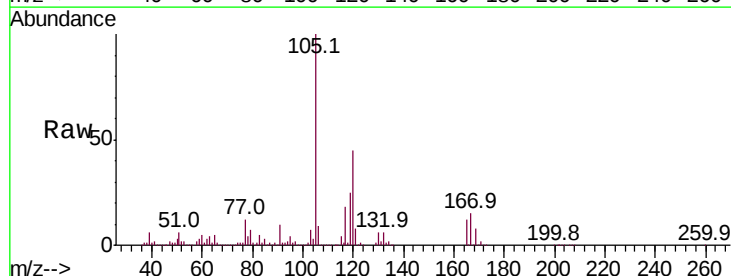
Instrument :
 MSVOA_W
 ClientSampled :

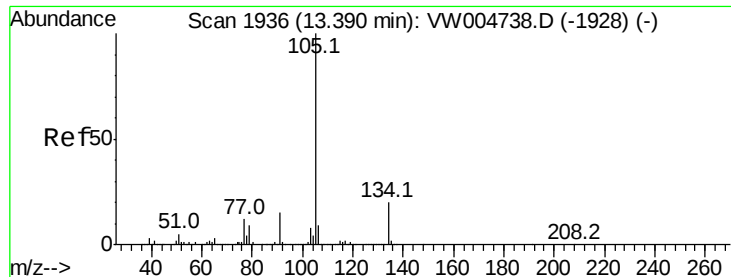
Tot Ion:119 Resp: 1308790
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.6 97.8
 134 26.8 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.524 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion:105 Resp: 1539354
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.3

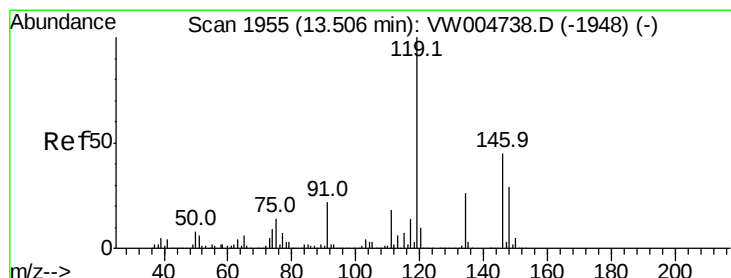
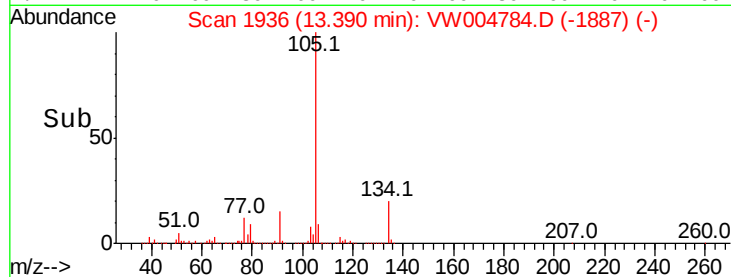
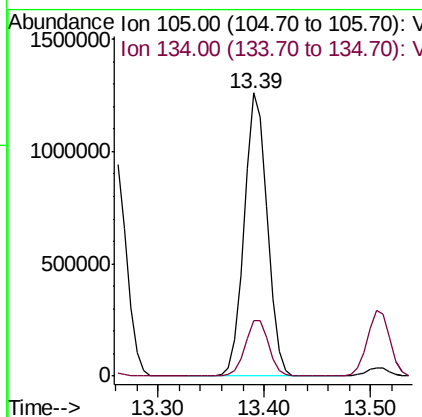
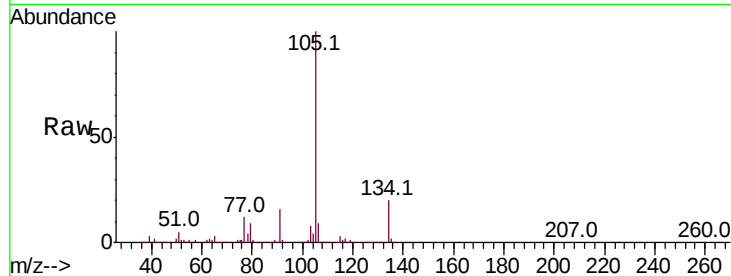




#85
 sec-Butylbenzene
 Concen: 55.623 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

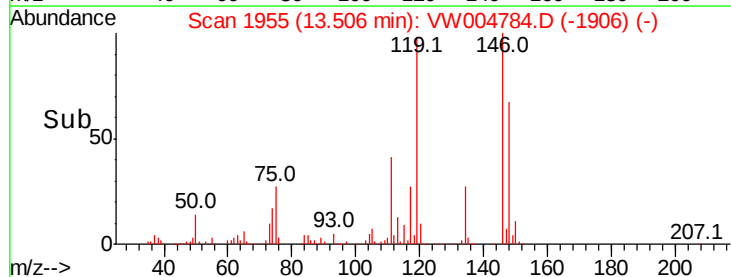
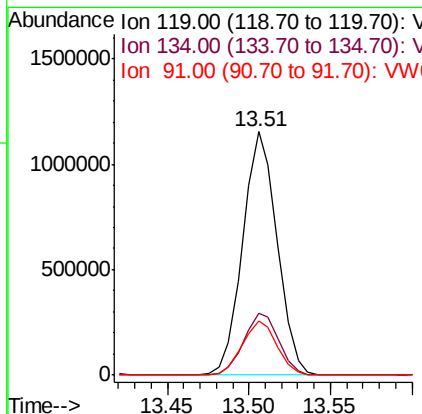
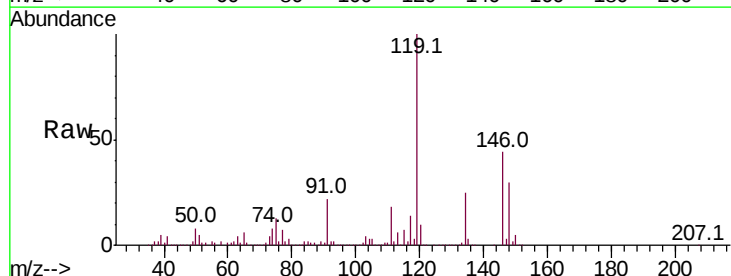
Instrument :
 MSVOA_W
 ClientSampled :

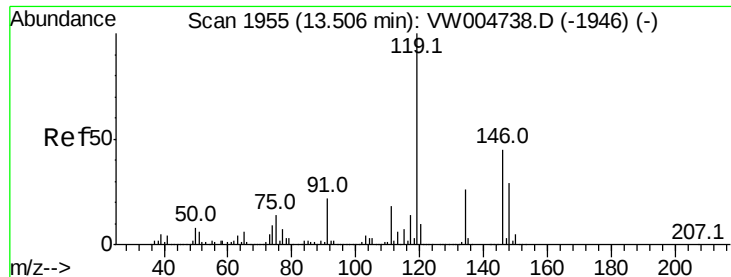
Tot Ion:105 Resp: 1914075
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 56.580 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion:119 Resp: 1694104
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 52.410 ug/l

RT: 13.51 min Scan# 1955

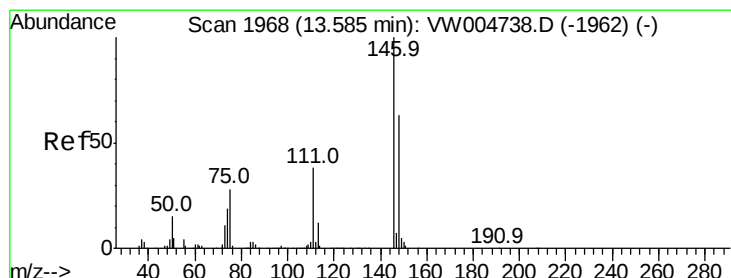
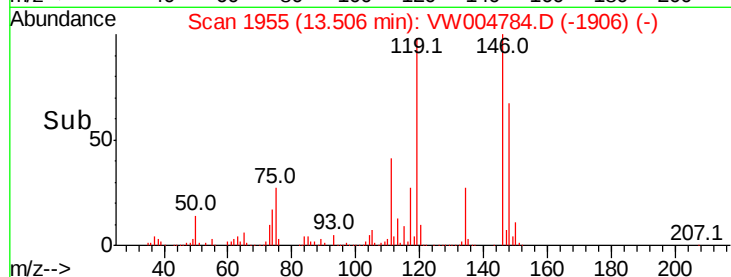
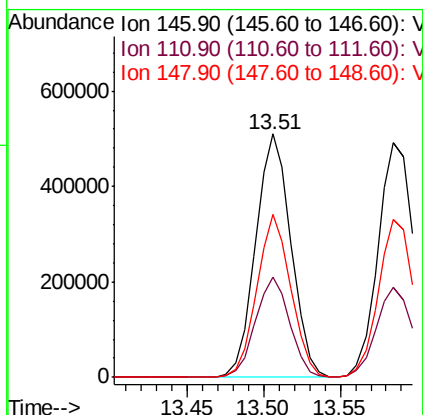
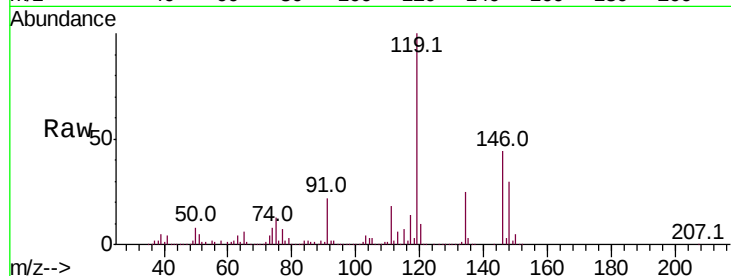
Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.4
148	64.5	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 51.297 ug/l

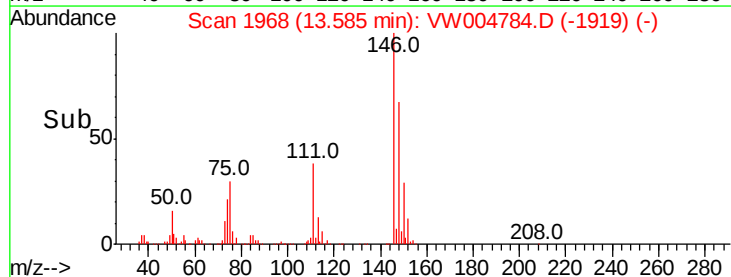
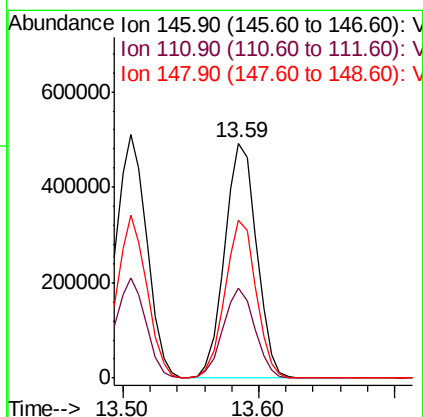
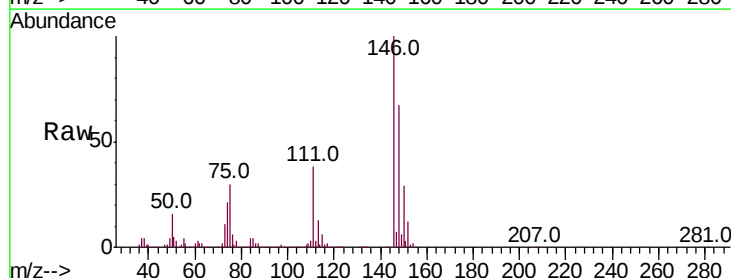
RT: 13.59 min Scan# 1968

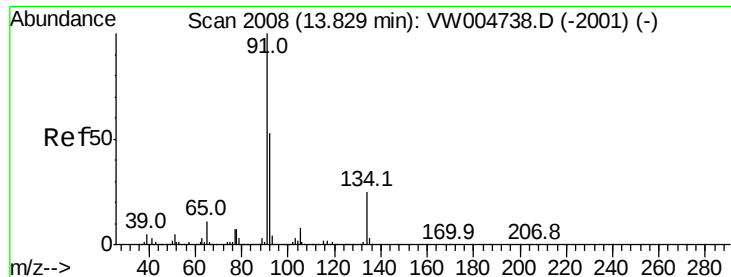
Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	65.4	31.8	95.3





#89

n-Butylbenzene

Concen: 55.368 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

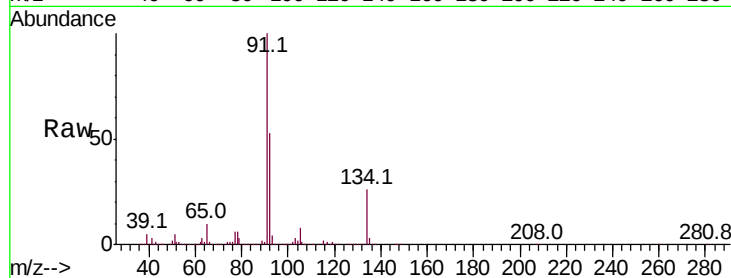
Tot Ion: 91 Resp: 1602841

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.9	12.8	38.3

91 100

92 53.2 26.4 79.2

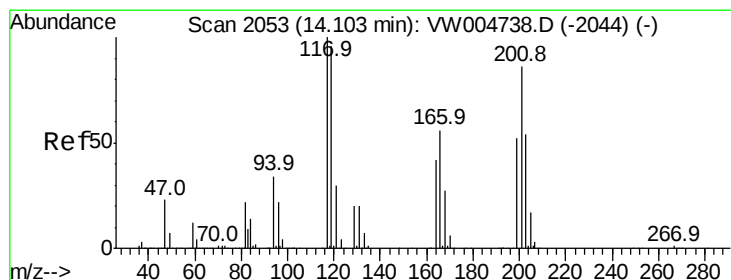
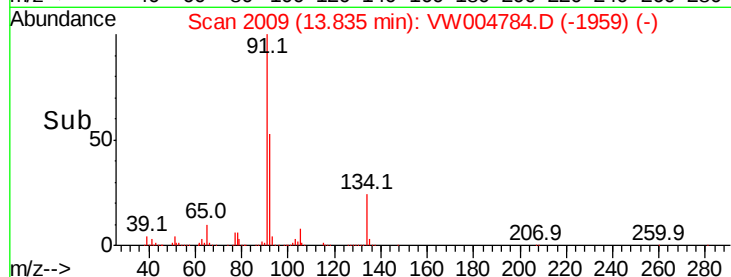
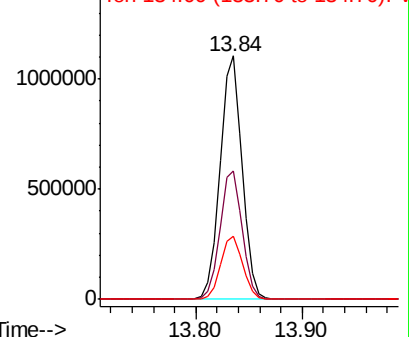
134 25.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

1500000 Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.318 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004784.D

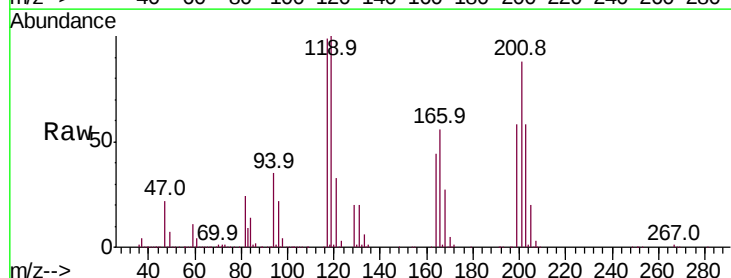
Acq: 20 Aug 2018 11:57

Tgt Ion: 117 Resp: 285537

Ion	Ratio	Lower	Upper
117	100		
201	87.0	42.4	127.2

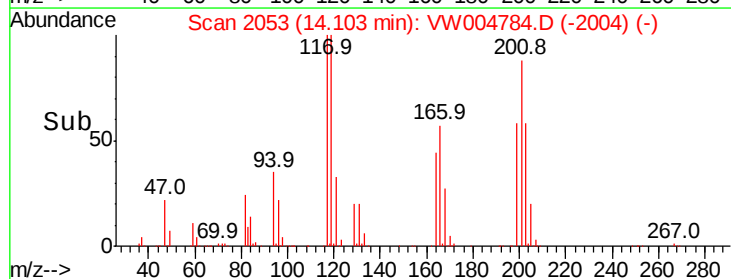
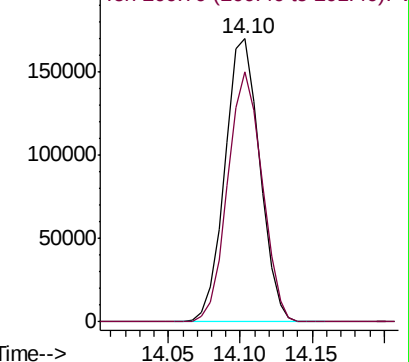
117 100

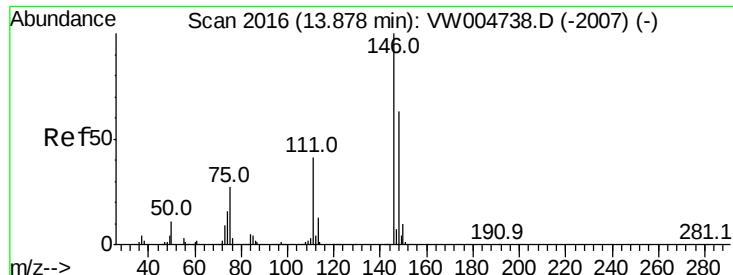
201 87.0 42.4 127.2



Abundance Ion 116.80 (116.50 to 117.50): V

200000 Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.884 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004784.D

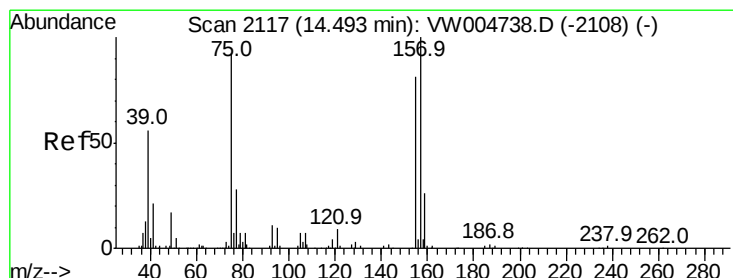
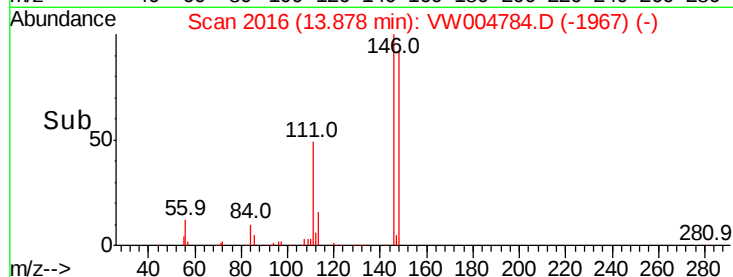
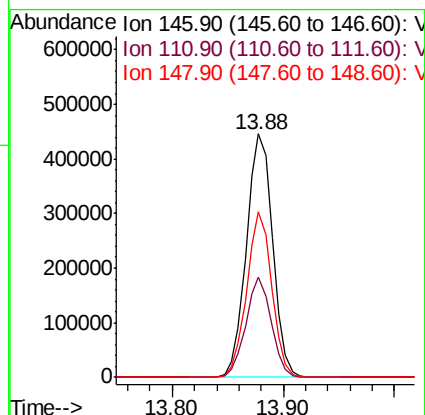
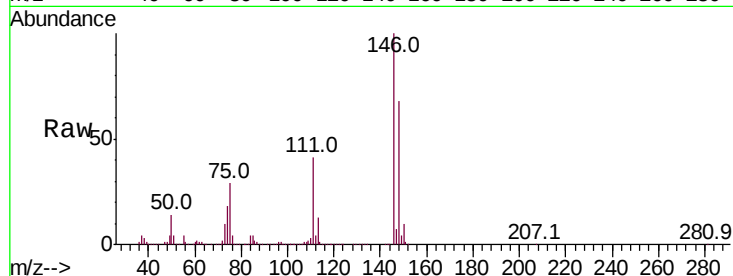
Acq: 20 Aug 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	727752
Ion	Ratio	Lower Upper
146	100	
111	39.9	20.4 61.3
148	64.9	31.6 95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.949 ug/l

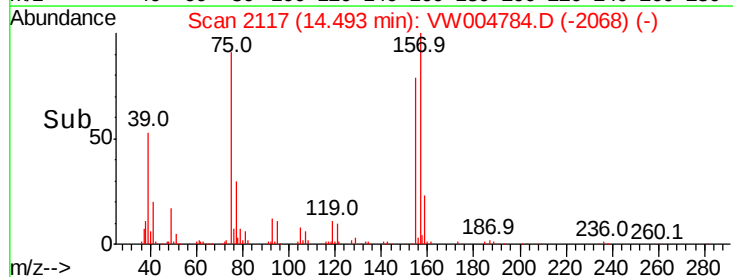
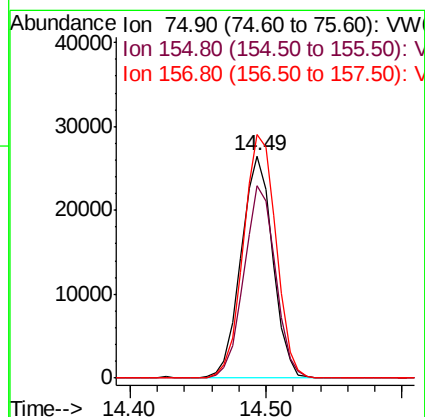
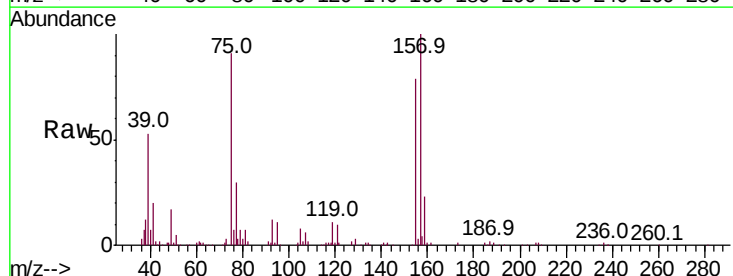
RT: 14.49 min Scan# 2117

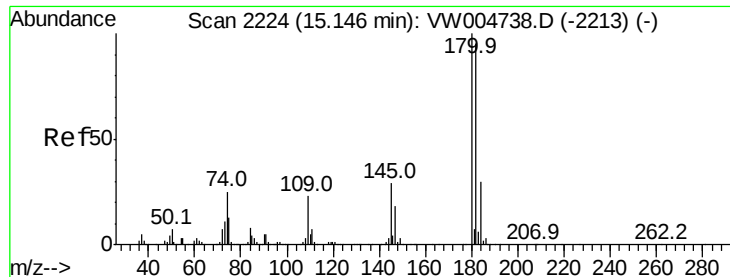
Delta R.T. 0.00 min

Lab File: VW004784.D

Acq: 20 Aug 2018 11:57

Tgt Ion: 75	Resp:	43114
Ion	Ratio	Lower Upper
75	100	
155	86.0	43.3 129.9
157	112.8	54.5 163.6

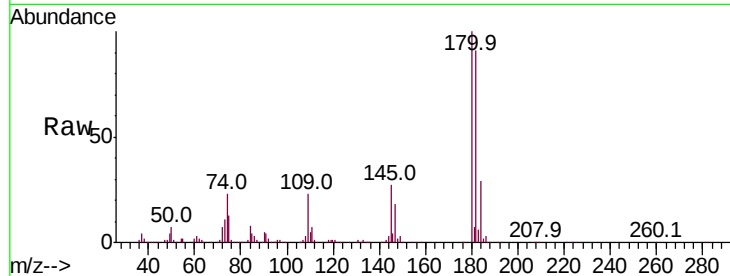




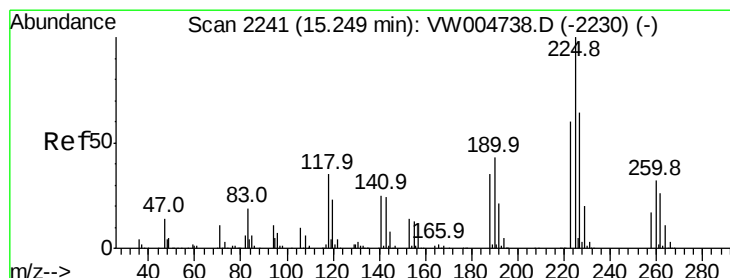
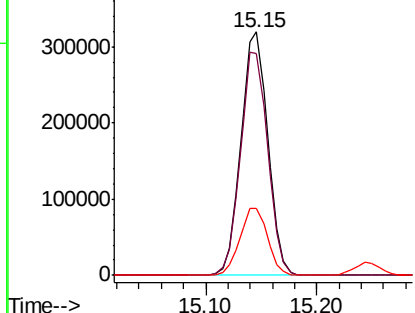
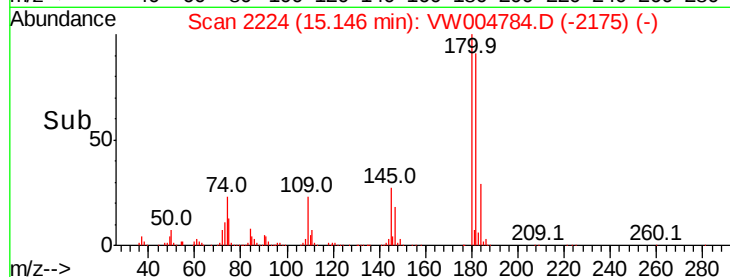
#93
 1,2,4-Trichlorobenzene
 Concen: 53.827 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.8
145	28.4	14.6	43.8

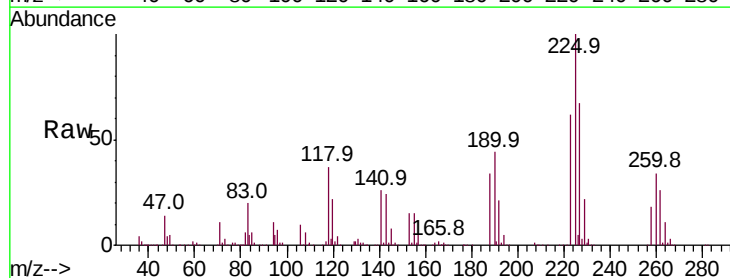


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

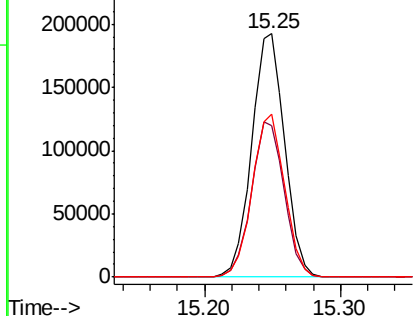
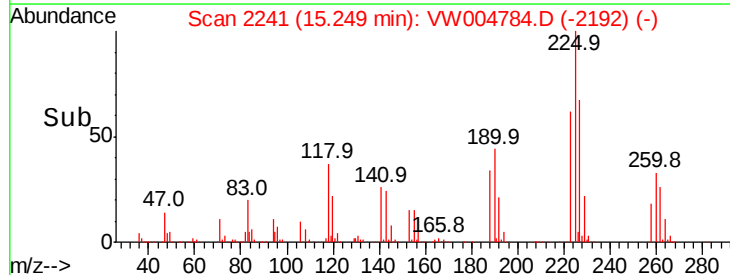


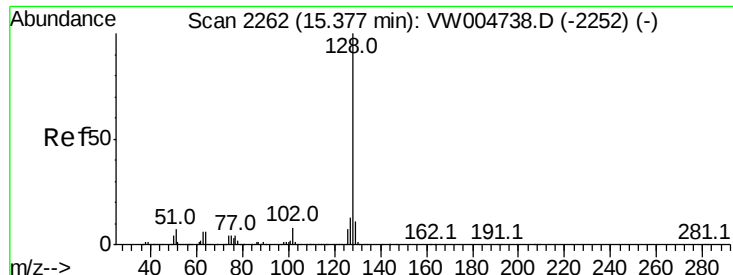
#94
 Hexachlorobutadiene
 Concen: 53.622 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW004784.D
 Acq: 20 Aug 2018 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	66.2	32.0	96.0



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

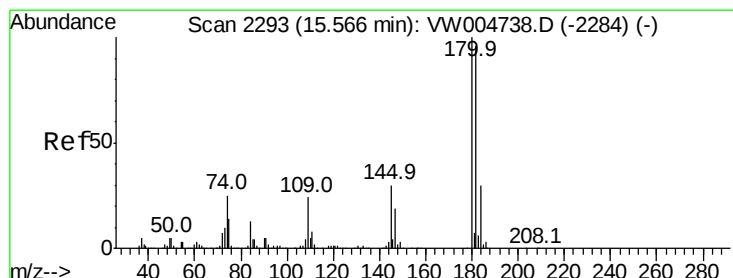
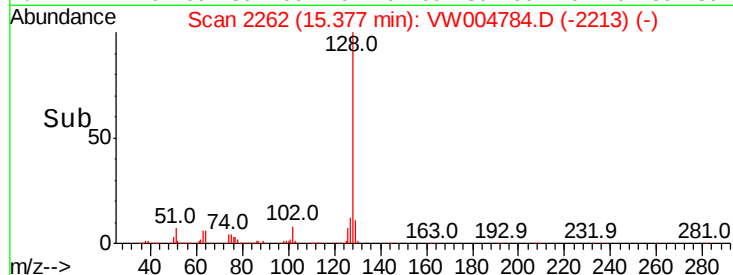
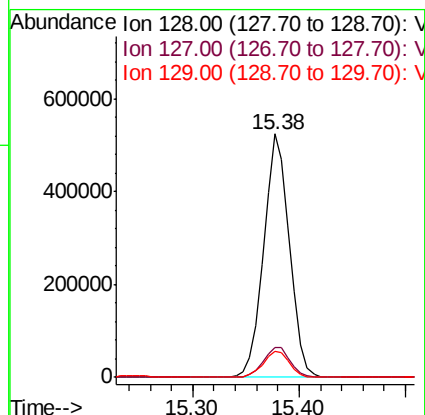
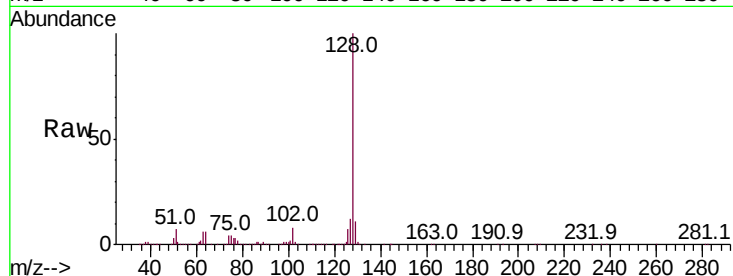




#95
Naphthalene
Concen: 46.298 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 884581
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.242 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004784.D
Acq: 20 Aug 2018 11:57

Tgt Ion:180 Resp: 459606
Ion Ratio Lower Upper
180 100
182 96.1 47.3 142.0
145 30.6 15.4 46.1

