

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008677.D
 Acq On : 15 Feb 2019 11:56
 Operator : SY/VA
 Sample : VW0215SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:32:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	399206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	602499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	536472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	200462	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	7.88	113	185903	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.32	98	713443	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	261664	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	53764	21.027	ug/l	98
3) Chloromethane	2.21	50	66174	17.953	ug/l	97
4) Vinyl Chloride	2.37	62	90885	18.771	ug/l	97
5) Bromomethane	2.78	94	72438	18.907	ug/l	99
6) Chloroethane	2.92	64	69652	19.333	ug/l	93
7) Trichlorofluoromethane	3.25	101	68525	18.171	ug/l	98
8) Diethyl Ether	3.67	74	43373	19.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	78163	19.614	ug/l	98
10) Methyl Iodide	4.26	142	121853	19.591	ug/l	99
11) Tert butyl alcohol	5.18	59	30361	91.432	ug/l	99
12) 1,1-Dichloroethene	4.03	96	74471	19.108	ug/l	98
13) Acrolein	3.88	56	32046	93.669	ug/l	97
14) Allyl chloride	4.66	41	122047	18.849	ug/l	99
15) Acrylonitrile	5.37	53	88996	93.957	ug/l	98
16) Acetone	4.12	43	86633	91.731	ug/l	95
17) Carbon Disulfide	4.37	76	222149	18.888	ug/l	97
18) Methyl Acetate	4.67	43	38793	17.976	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	132446	19.359	ug/l	96
20) Methylene Chloride	4.91	84	85618	15.598	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	82620	19.358	ug/l	95
22) Diisopropyl ether	6.31	45	250273	19.204	ug/l	98
23) Vinyl Acetate	6.25	43	784339	92.732	ug/l	98
24) 1,1-Dichloroethane	6.21	63	144535	19.220	ug/l	98
25) 2-Butanone	7.17	43	125337	93.986	ug/l	96
26) 2,2-Dichloropropane	7.16	77	93265	19.853	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	88517	19.179	ug/l	98
28) Bromochloromethane	7.51	49	64284	20.250	ug/l	99
29) Tetrahydrofuran	7.52	42	81633	92.872	ug/l	98
30) Chloroform	7.67	83	144597	19.190	ug/l	96
31) Cyclohexane	7.95	56	146545	19.307	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	123946	19.477	ug/l	99
36) 1,1-Dichloropropene	8.08	75	118748	19.618	ug/l	100
37) Ethyl Acetate	7.25	43	52222	17.884	ug/l #	94
38) Carbon Tetrachloride	8.06	117	121925	20.256	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	149424	19.517	ug/l	96
40) Benzene	8.32	78	324358	19.620	ug/l	95
41) Methacrylonitrile	7.48	41	32684	19.894	ug/l	98
42) 1,2-Dichloroethane	8.40	62	100481	19.595	ug/l	99
43) Isopropyl Acetate	8.42	43	107791	18.513	ug/l	95
44) Trichloroethene	9.09	130	89782	19.587	ug/l	98
45) 1,2-Dichloropropane	9.37	63	78865	19.276	ug/l	100
46) Dibromomethane	9.46	93	44648	19.810	ug/l	97
47) Bromodichloromethane	9.64	83	105354	19.451	ug/l	98
48) Methyl methacrylate	9.44	41	49441	18.323	ug/l	98
49) 1,4-Dioxane	9.45	88	14167	393.799	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	279988	93.613	ug/l	100
52) Toluene	10.38	92	208252	19.527	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	107588	18.908	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	123619	19.165	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59462	19.228	ug/l	98
56) Ethyl methacrylate	10.65	69	75857	18.473	ug/l	98
57) 1,3-Dichloropropane	10.93	76	104997	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	203939	103.532	ug/l	99
59) 2-Hexanone	10.97	43	198907	94.667	ug/l	97
60) Dibromochloromethane	11.13	129	69475	18.776	ug/l	99
61) 1,2-Dibromoethane	11.24	107	59824	19.648	ug/l	99
64) Tetrachloroethene	10.86	164	78203	19.603	ug/l	99
65) Chlorobenzene	11.66	112	224833	19.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	79492	19.406	ug/l	98
67) Ethyl Benzene	11.73	91	395107	19.183	ug/l	97
68) m/p-Xylenes	11.84	106	310880	38.791	ug/l	100
69) o-Xylene	12.17	106	147561	19.479	ug/l	99
70) Styrene	12.18	104	232102	18.759	ug/l	99
71) Bromoform	12.35	173	41729	18.907	ug/l #	98
73) Isopropylbenzene	12.46	105	402498	18.928	ug/l	99
74) N-amyl acetate	12.27	43	105660	18.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	71338	19.282	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	95171	33.761	ug/l #	100
77) Bromobenzene	12.75	156	95540	19.546	ug/l	97
78) n-propylbenzene	12.80	91	488882	19.349	ug/l	99
79) 2-Chlorotoluene	12.89	91	273611	19.161	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	336588	19.057	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	19659	17.121	ug/l	94
82) 4-Chlorotoluene	12.99	91	284583	18.805	ug/l	98
83) tert-Butylbenzene	13.21	119	297645	19.407	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	350769	19.322	ug/l	99
85) sec-Butylbenzene	13.38	105	429277	19.223	ug/l	100
86) p-Isopropyltoluene	13.50	119	384020	19.223	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	190931	19.268	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	190667	19.524	ug/l	98
89) n-Butylbenzene	13.83	91	364968	19.225	ug/l	99
90) Hexachloroethane	14.10	117	66918	19.173	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	170739	19.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12262	19.072	ug/l	99

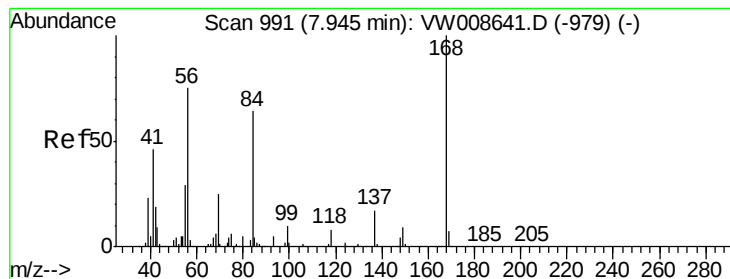
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	125416	20.068	ug/l	99
94) Hexachlorobutadiene	15.24	225	75833	20.846	ug/l	98
95) Naphthalene	15.37	128	216418	19.324	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108832	20.294	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

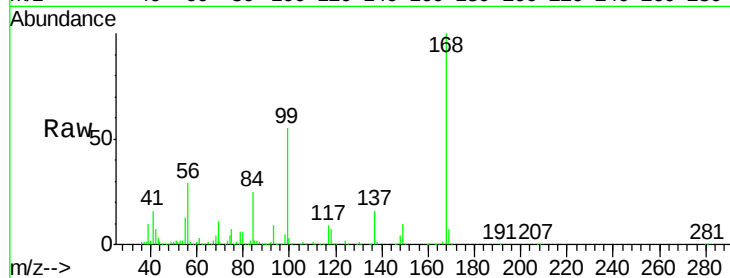
ClientSampled :

Tot Ion:168 Resp: 399206

Ion Ratio Lower Upper

168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

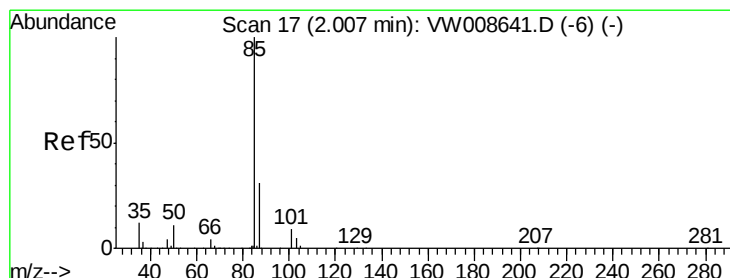
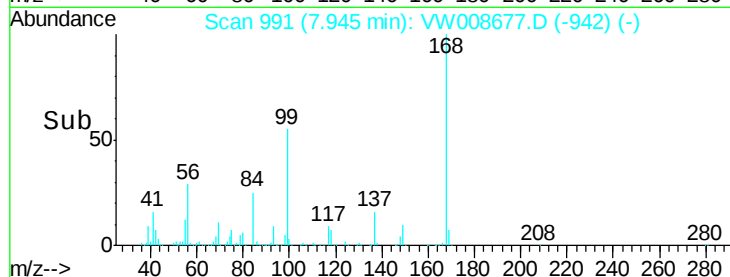
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.027 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008677.D

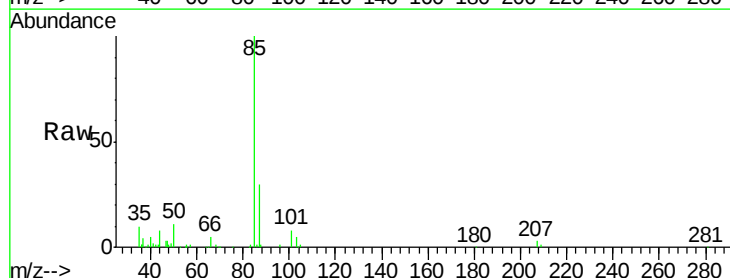
Acq: 15 Feb 2019 11:56

Tgt Ion: 85 Resp: 53764

Ion Ratio Lower Upper

85 100

87 29.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

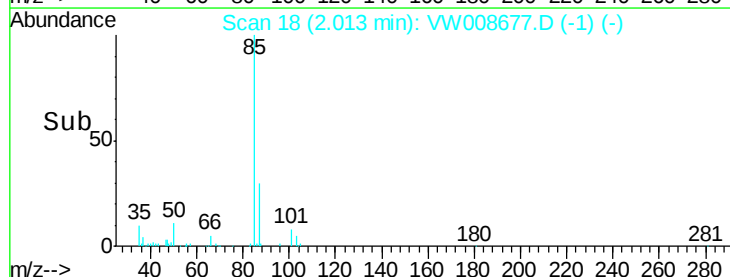
15000

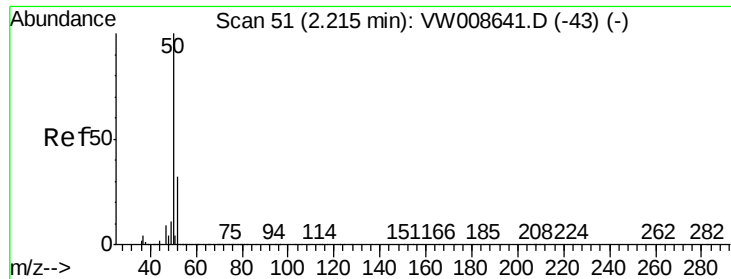
10000

5000

0

Time--> 1.90 2.00 2.10 2.20

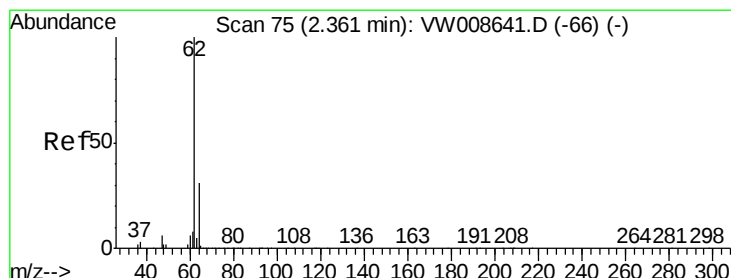
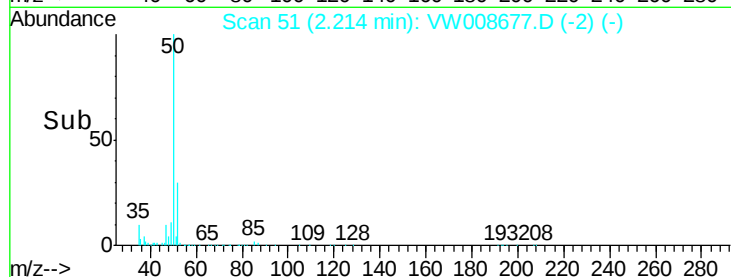
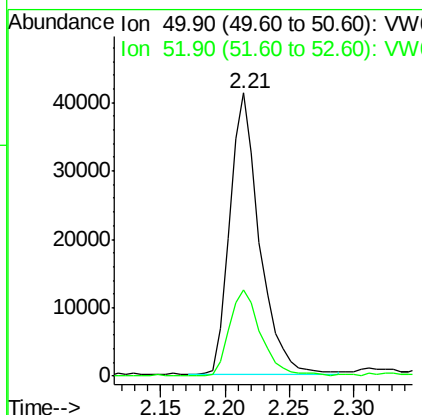
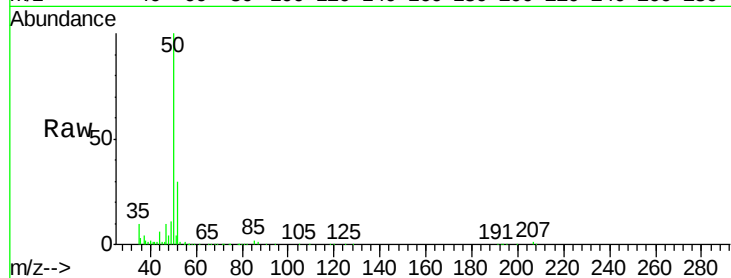




#3
Chloromethane
Concen: 17.953 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

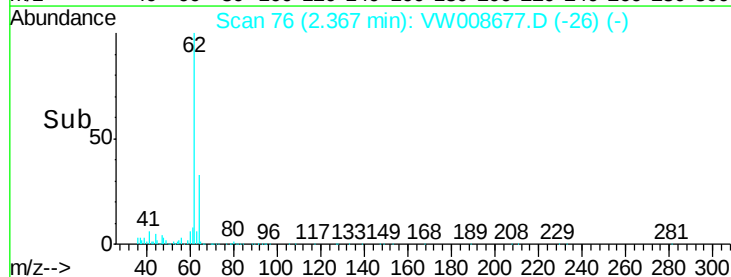
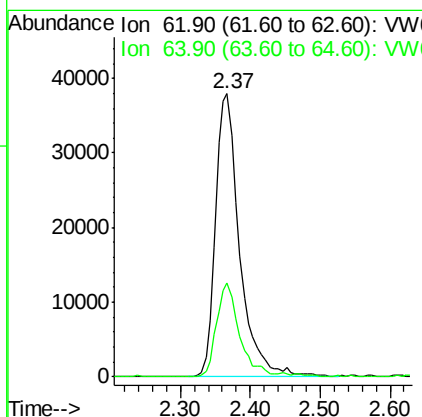
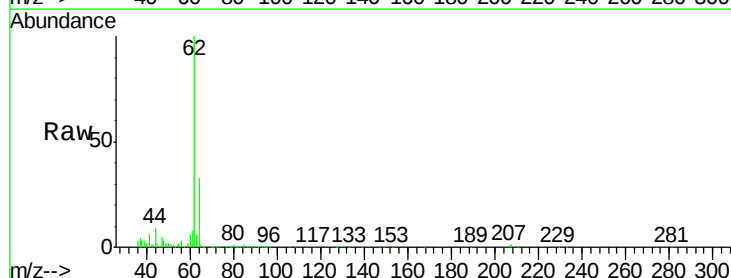
Instrument :
MSVOA_W
ClientSampleId :

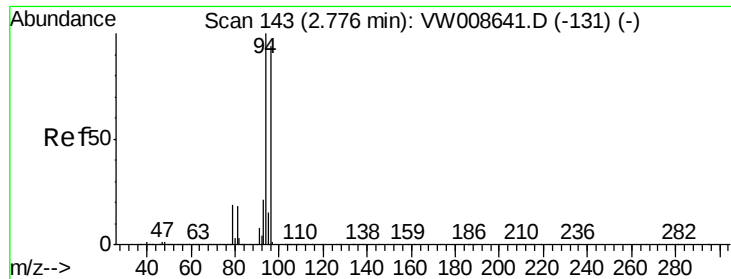
Tot Ion: 50 Resp: 66174
Ion Ratio Lower Upper
50 100
52 30.7 26.0 39.0



#4
Vinyl Chloride
Concen: 18.771 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 62 Resp: 90885
Ion Ratio Lower Upper
62 100
64 33.3 25.1 37.7





#5

Bromomethane

Concen: 18.907 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

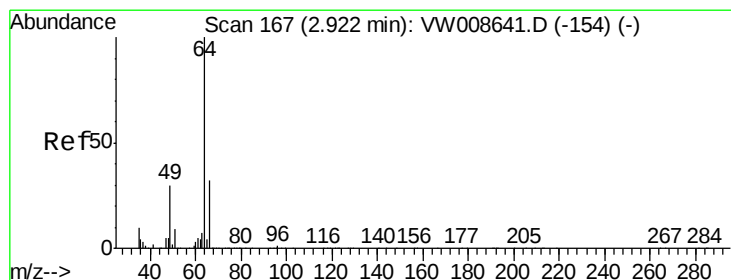
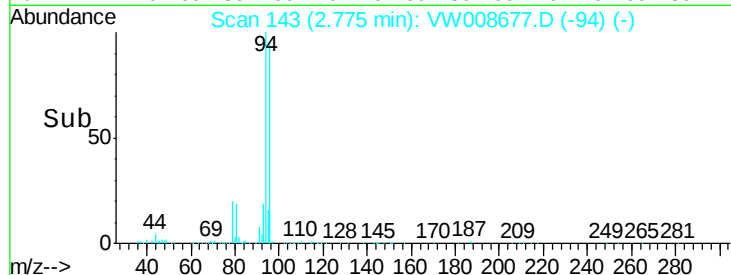
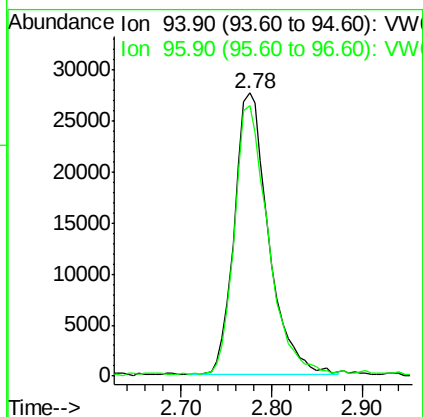
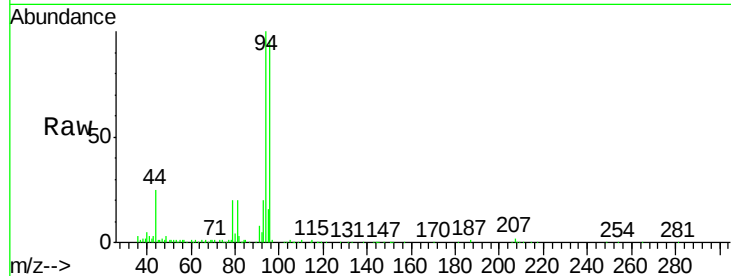
ClientSampleId :

Tot Ion: 94 Resp: 72438

Ion Ratio Lower Upper

94 100

96 95.3 75.5 113.3



#6

Chloroethane

Concen: 19.333 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008677.D

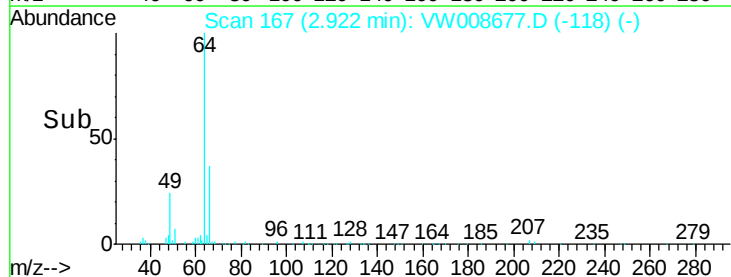
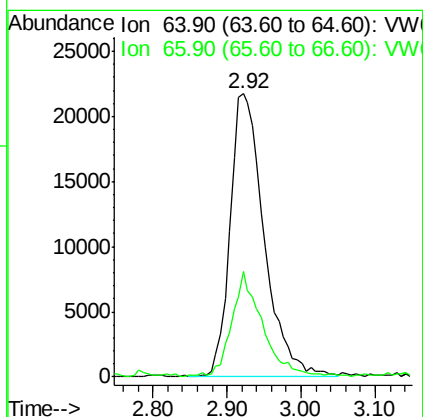
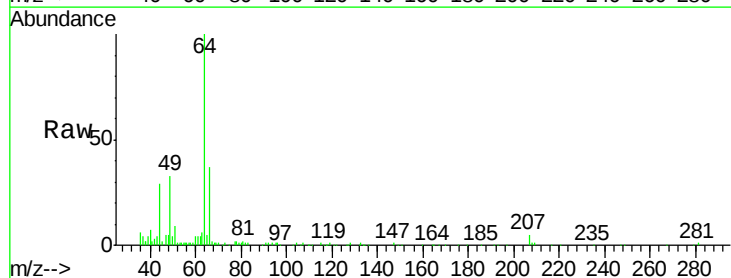
Acq: 15 Feb 2019 11:56

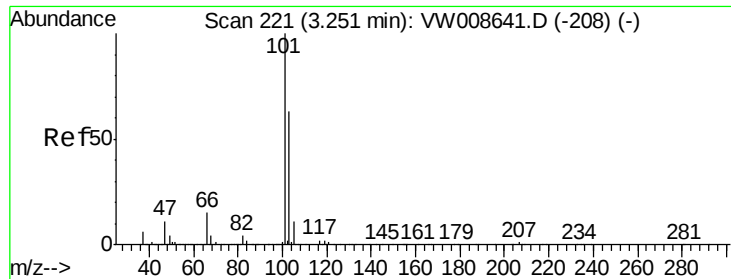
Tgt Ion: 64 Resp: 69652

Ion Ratio Lower Upper

64 100

66 36.6 26.2 39.4



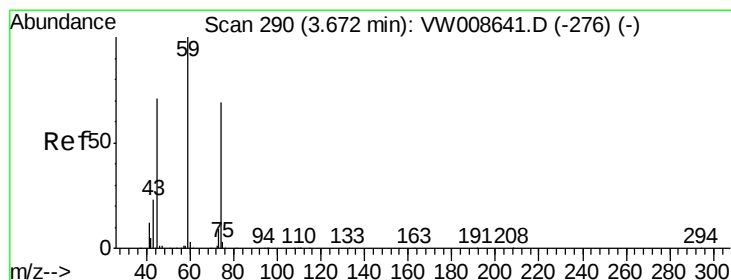
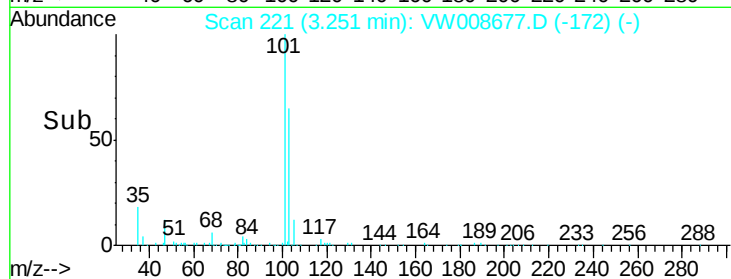
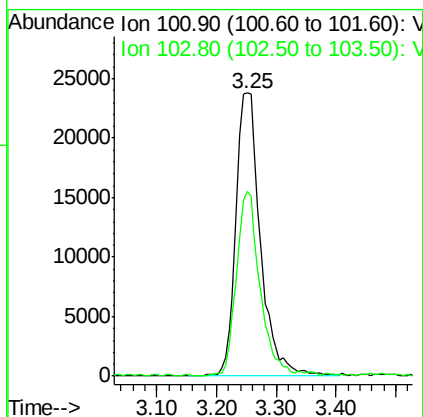
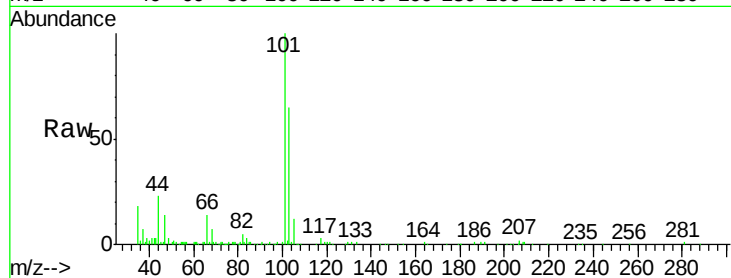


#7

Trichlorofluoromethane
Concen: 18.171 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :

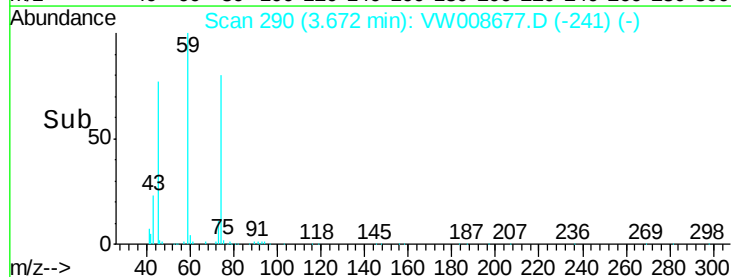
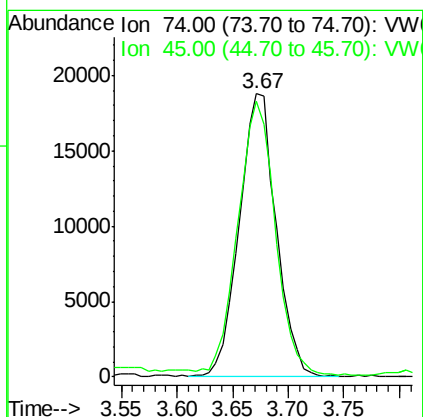
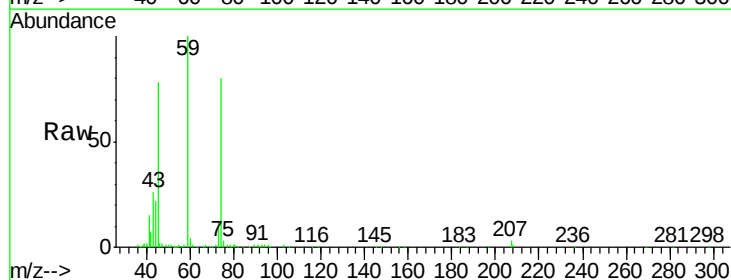
Tot Ion:101 Resp: 68525
Ion Ratio Lower Upper
101 100
103 64.5 50.5 75.7

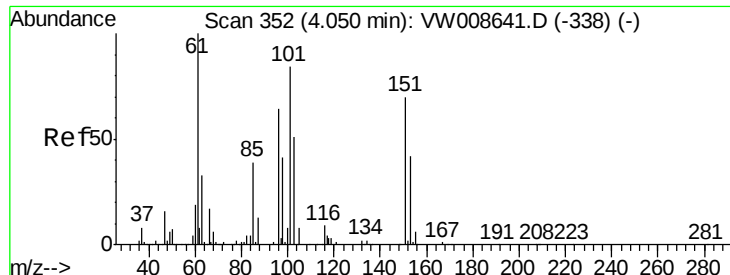


#8

Diethyl Ether
Concen: 19.274 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 74 Resp: 43373
Ion Ratio Lower Upper
74 100
45 99.0 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.614 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

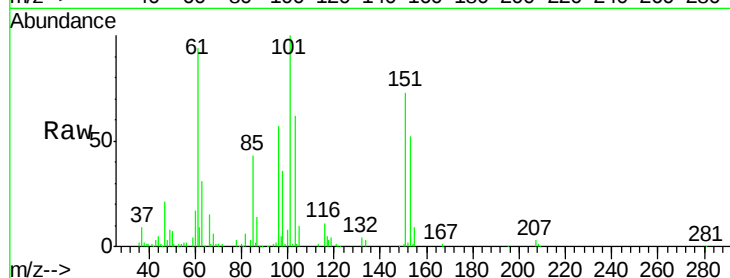
Tot Ion:101 Resp: 78163

Ion Ratio Lower Upper

101 100

85 45.2 34.3 51.5

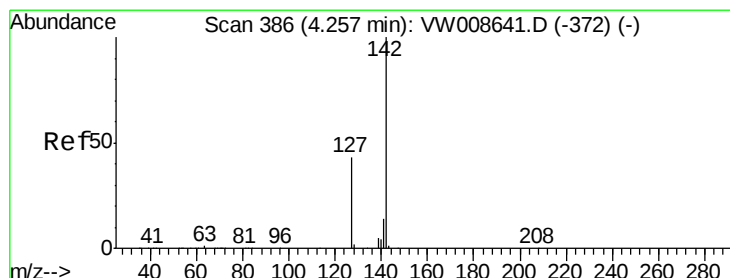
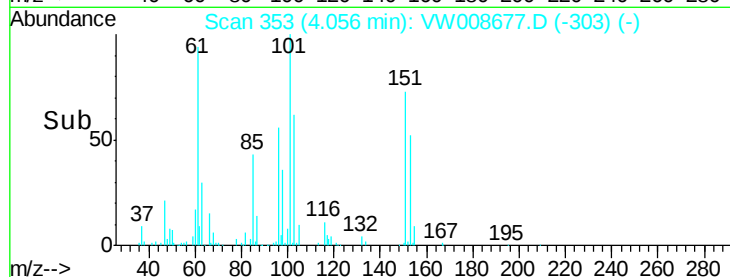
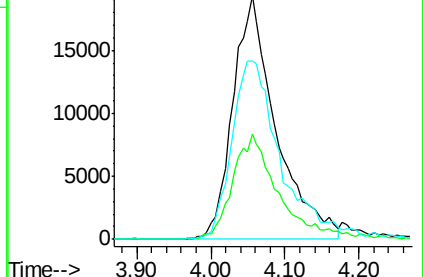
151 83.3 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.591 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

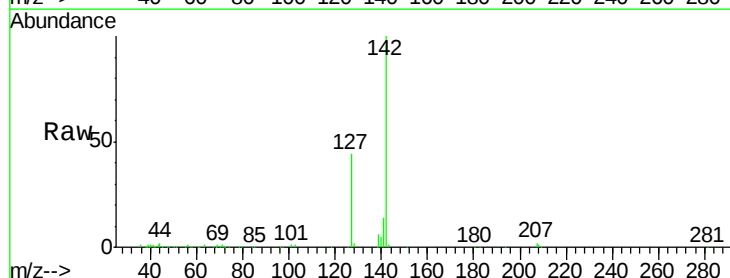
Tgt Ion:142 Resp: 121853

Ion Ratio Lower Upper

142 100

127 44.3 34.8 52.2

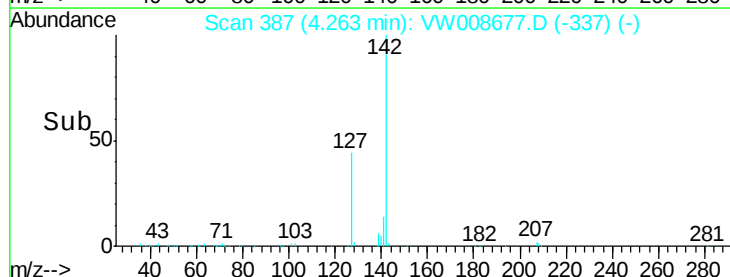
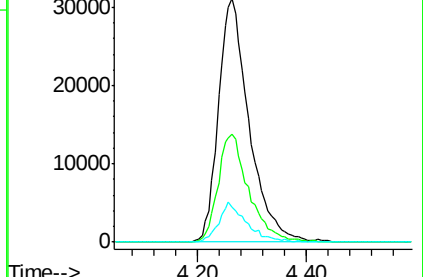
141 14.6 11.8 17.8

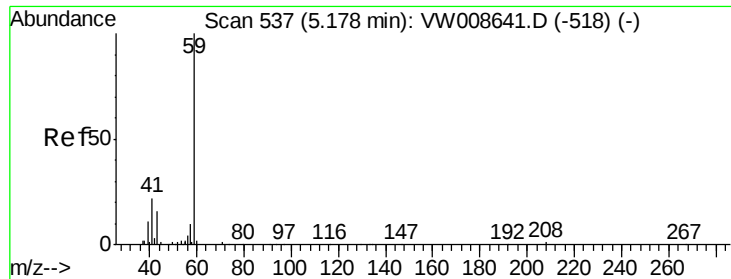


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



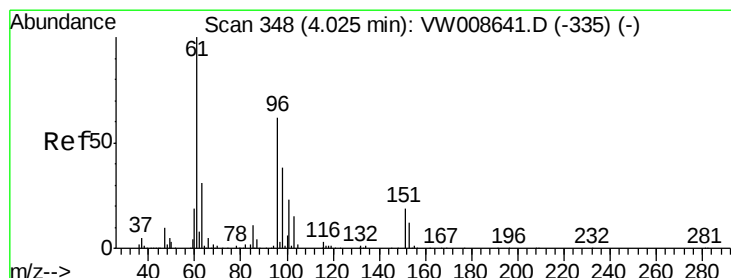
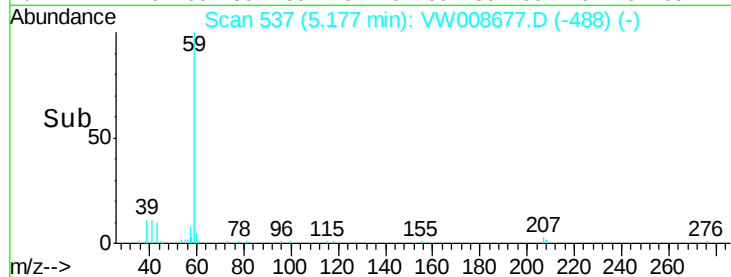
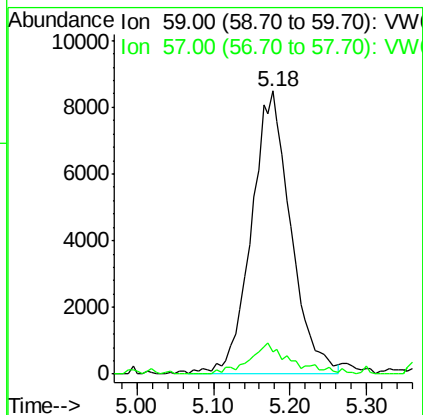
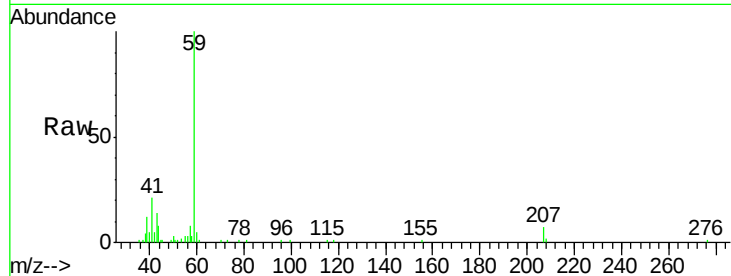


#11

Tert butyl alcohol
Concen: 91.432 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :

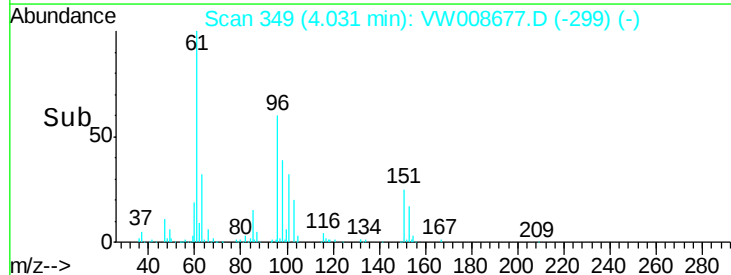
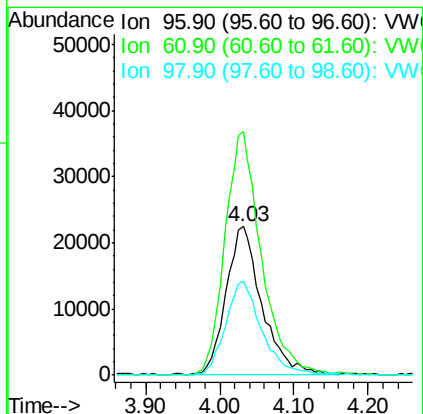
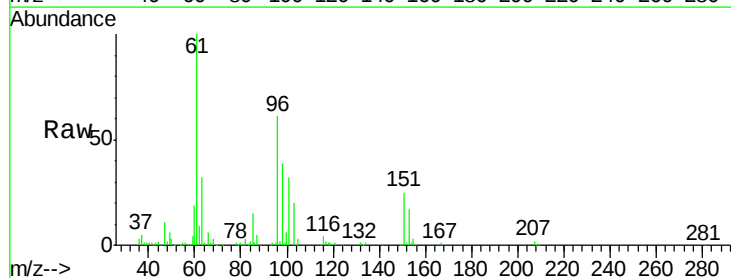
Tot Ion: 59 Resp: 30361
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

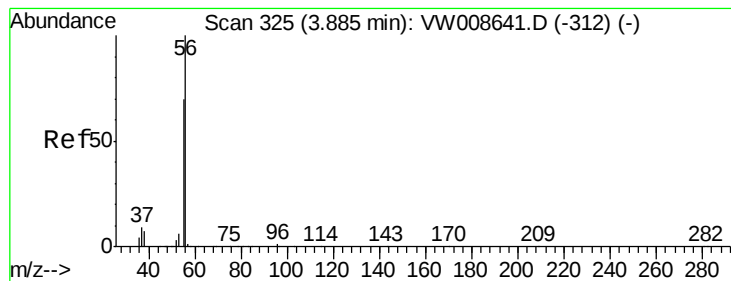


#12

1,1-Dichloroethene
Concen: 19.108 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 96 Resp: 74471
Ion Ratio Lower Upper
96 100
61 164.8 129.8 194.6
98 63.6 49.3 73.9





#13

Acrolein

Concen: 93.669 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

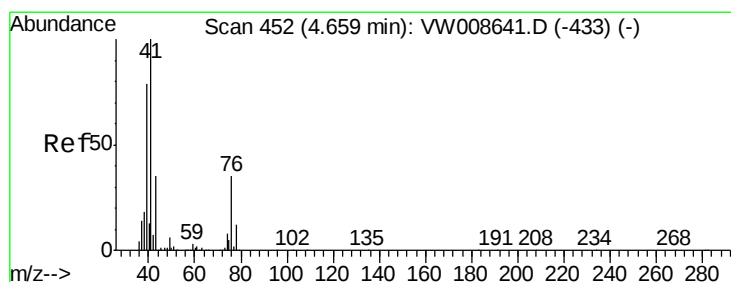
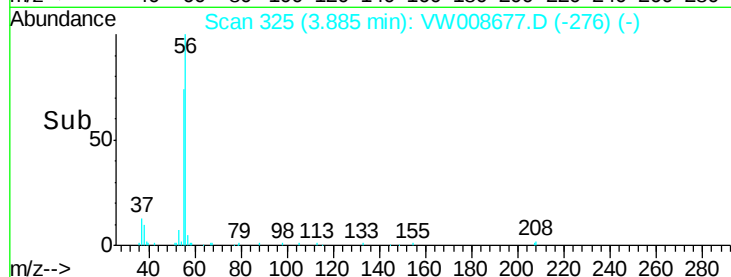
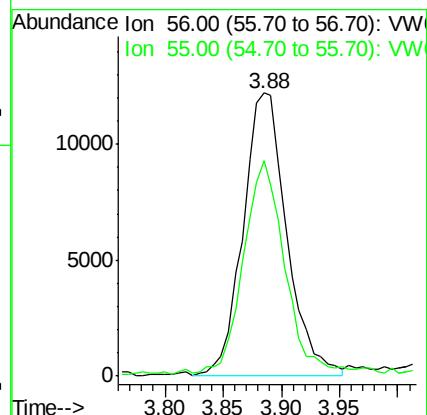
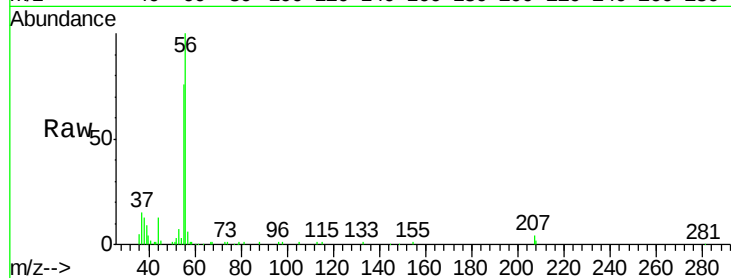
ClientSampled :

Tot Ion: 56 Resp: 32046

Ion Ratio Lower Upper

56 100

55 69.1 57.4 86.2



#14

Allyl chloride

Concen: 18.849 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

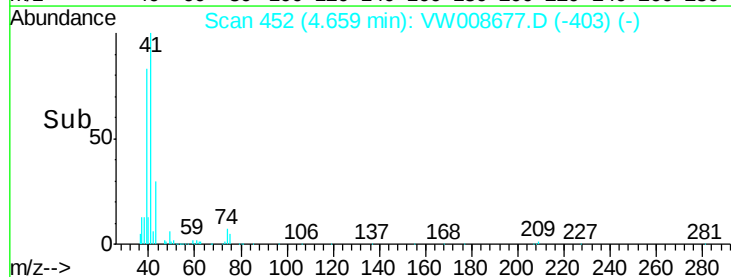
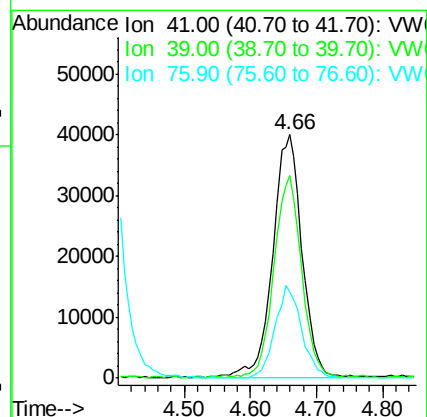
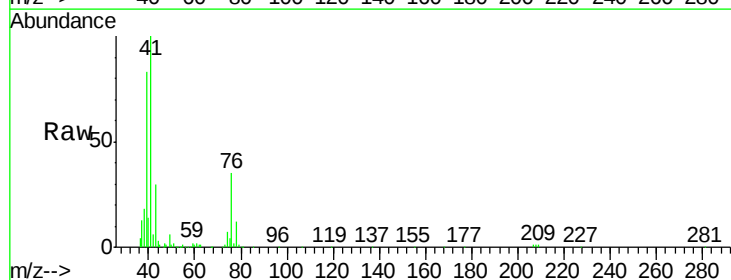
Tgt Ion: 41 Resp: 122047

Ion Ratio Lower Upper

41 100

39 78.5 61.7 92.5

76 34.9 27.7 41.5





#15

Acrylonitrile

Concen: 93.957 ug/l

RT: 5.37 min Scan# 568

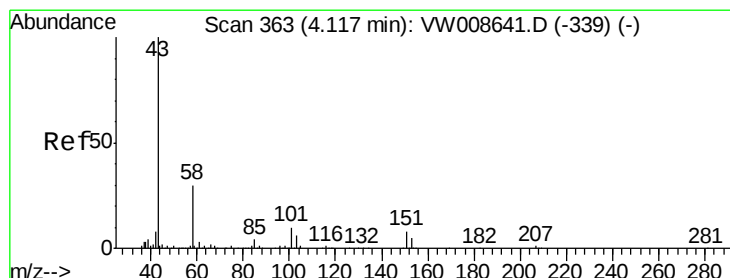
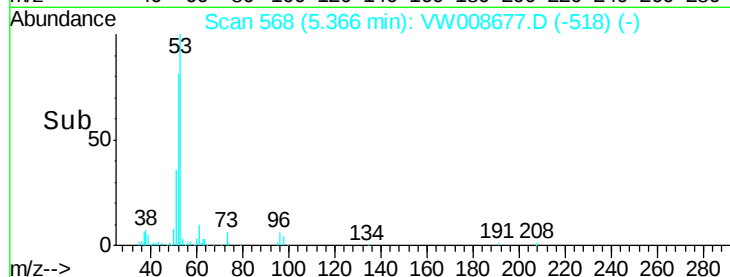
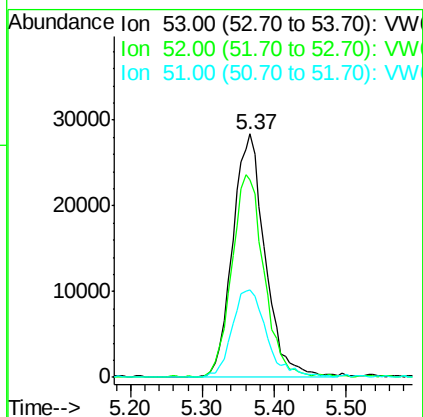
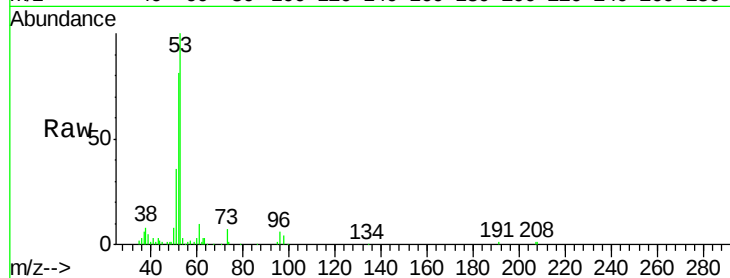
Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	88996
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	38.7	29.4	44.0



#16

Acetone

Concen: 91.731 ug/l

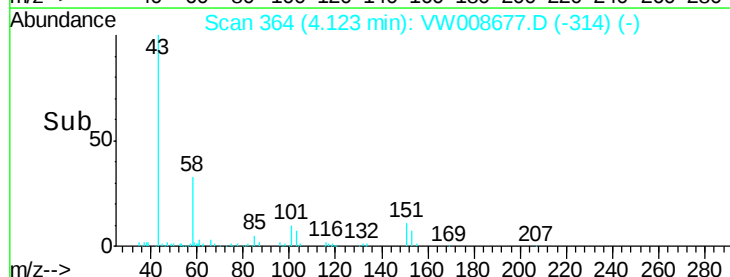
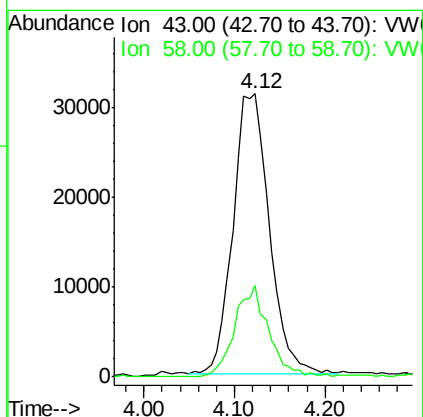
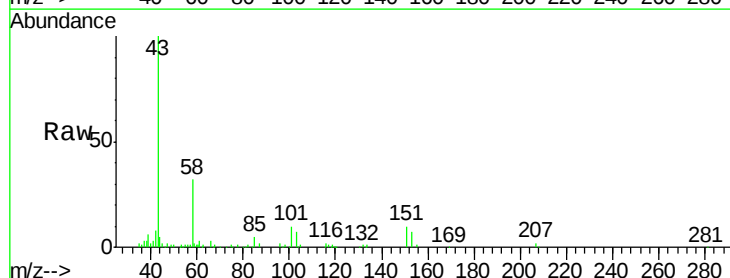
RT: 4.12 min Scan# 364

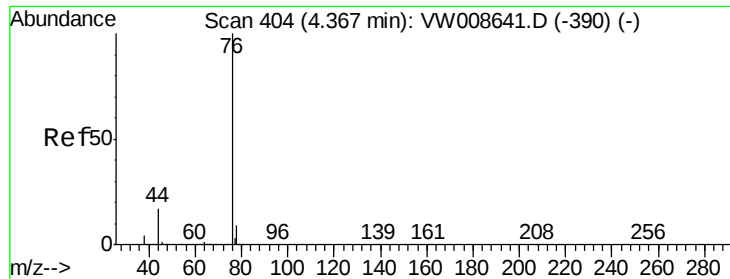
Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	43	Resp:	86633
Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.1	36.1





#17

Carbon Disulfide

Concen: 18.888 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

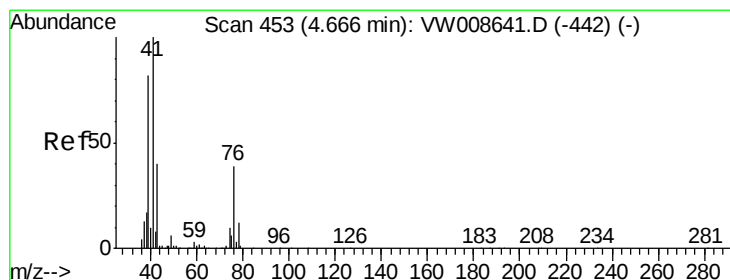
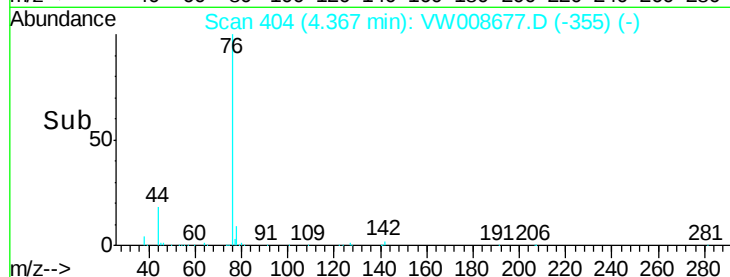
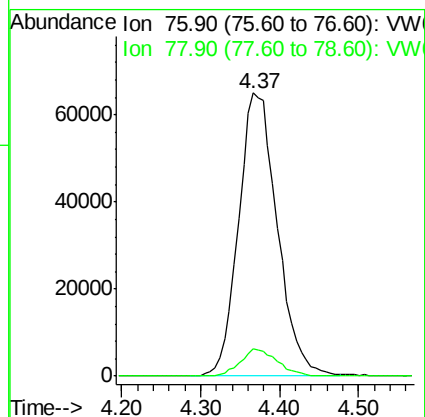
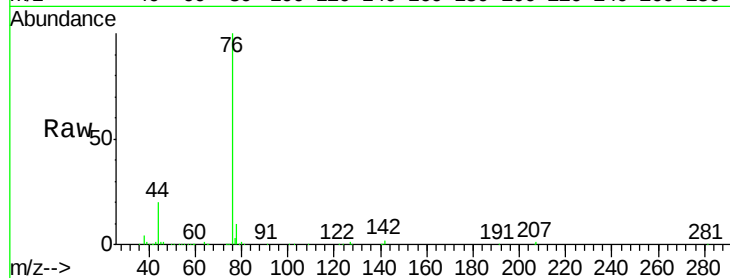
ClientSampleId :

Tot Ion: 76 Resp: 222149

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



#18

Methyl Acetate

Concen: 17.976 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008677.D

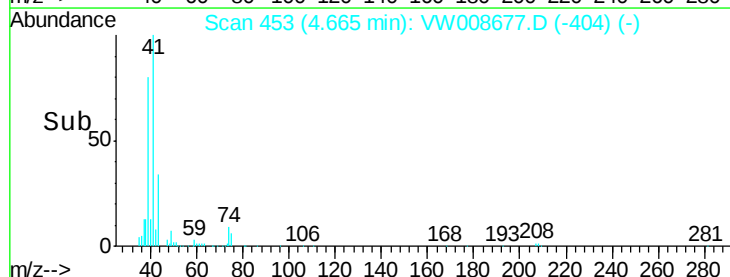
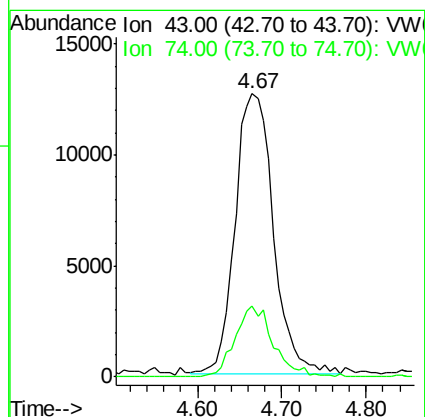
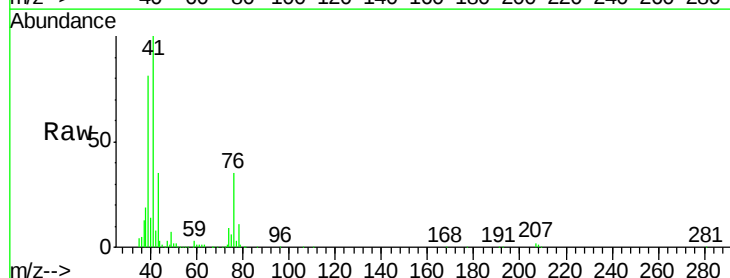
Acq: 15 Feb 2019 11:56

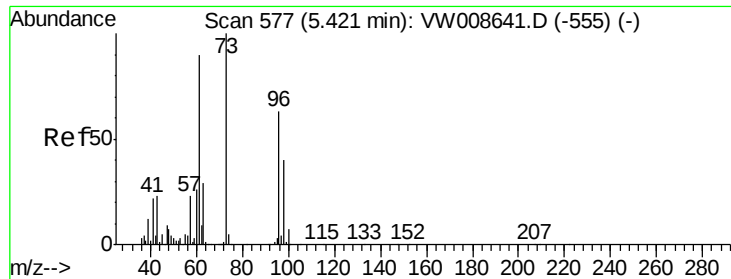
Tgt Ion: 43 Resp: 38793

Ion Ratio Lower Upper

43 100

74 25.3 19.0 28.4

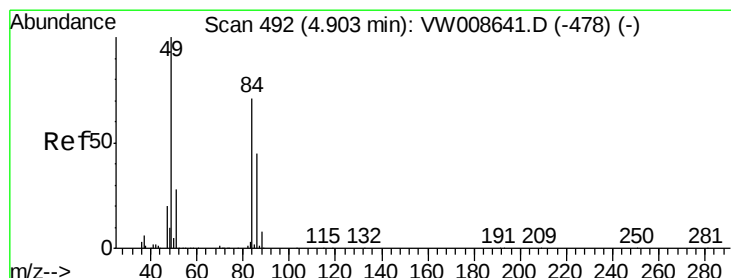
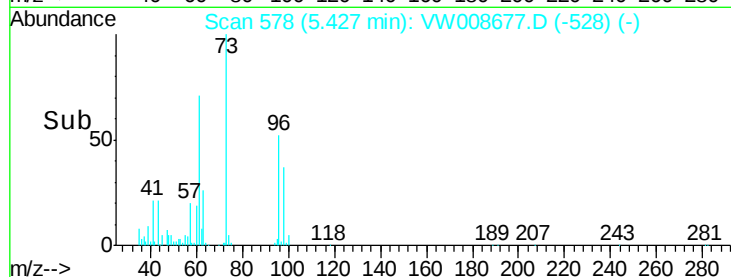
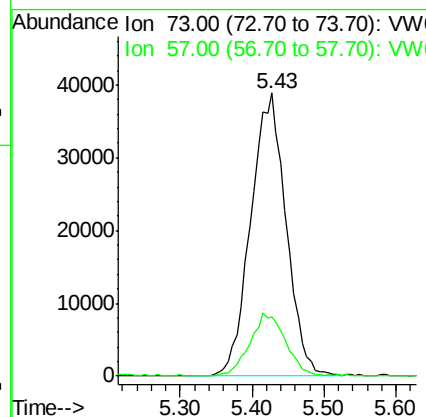
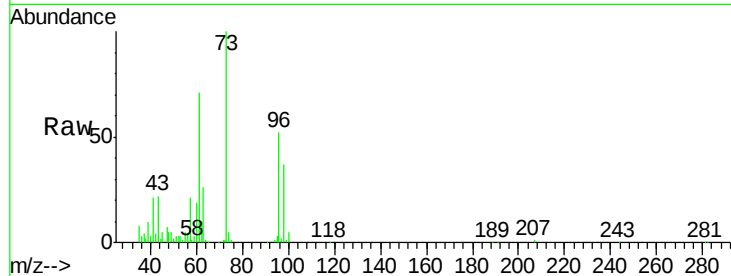




#19
Methvl tert-butvl Ether
Concen: 19.359 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

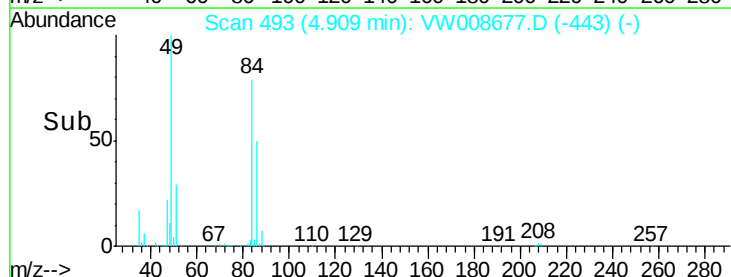
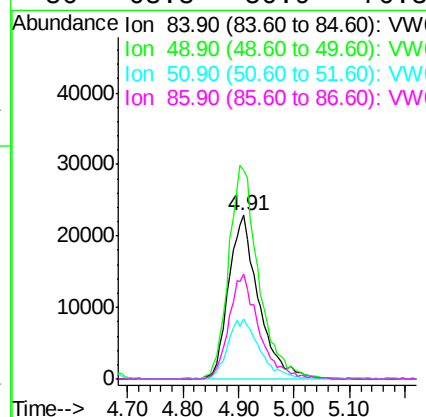
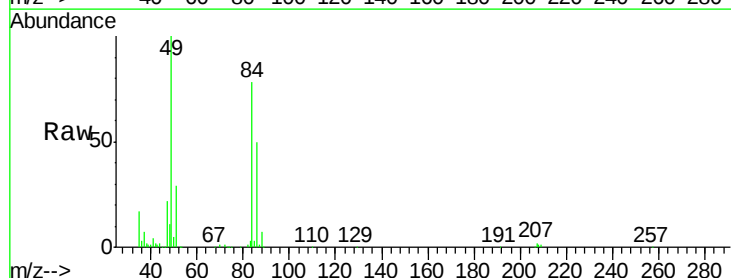
Instrument :
MSVOA_W
ClientSampleId :

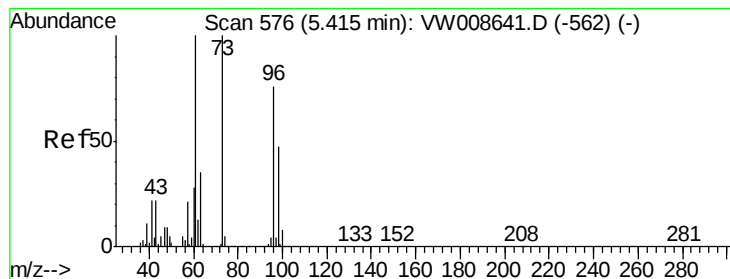
Tot Ion: 73 Resp: 132446
Ion Ratio Lower Upper
73 100
57 20.9 18.2 27.2



#20
Methylene Chloride
Concen: 15.598 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 84 Resp: 85618
Ion Ratio Lower Upper
84 100
49 127.6 113.3 169.9
51 37.0 32.1 48.1
86 63.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.358 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

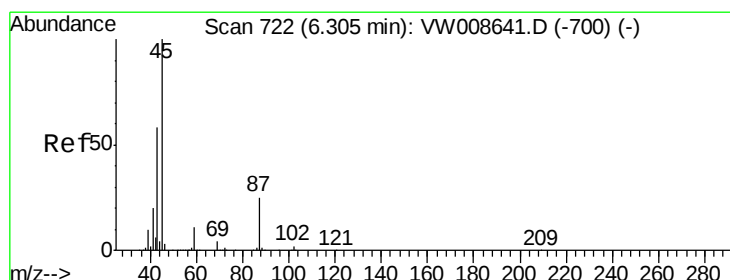
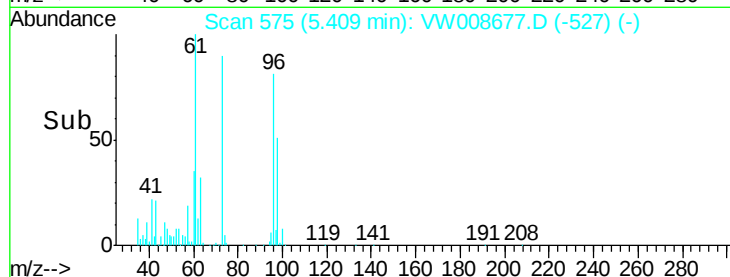
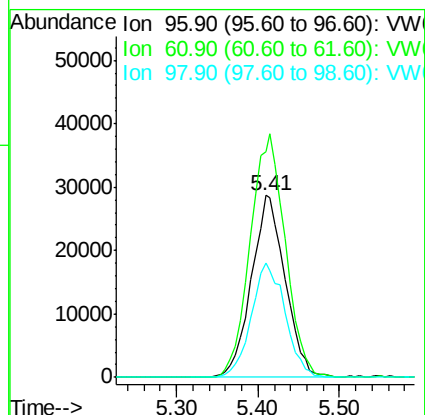
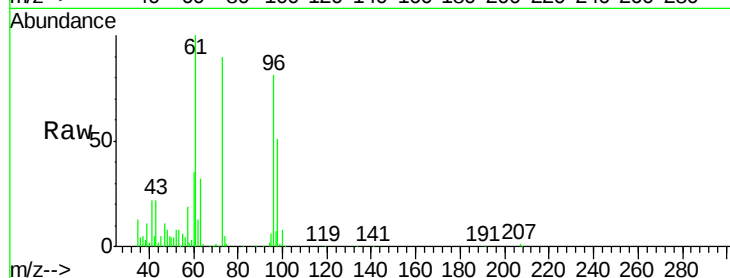
Tot Ion: 96 Resp: 82620

Ion Ratio Lower Upper

96 100

61 124.0 105.9 158.9

98 63.1 49.8 74.6



#22

Diisopropyl ether

Concen: 19.204 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion: 45 Resp: 250273

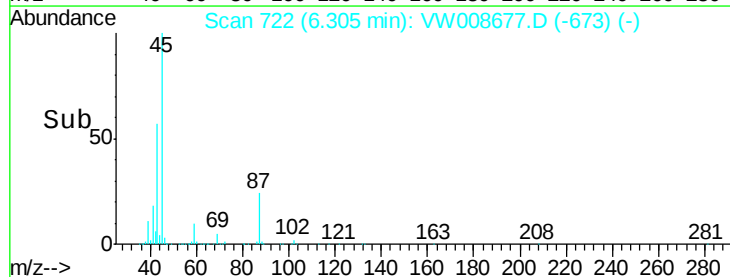
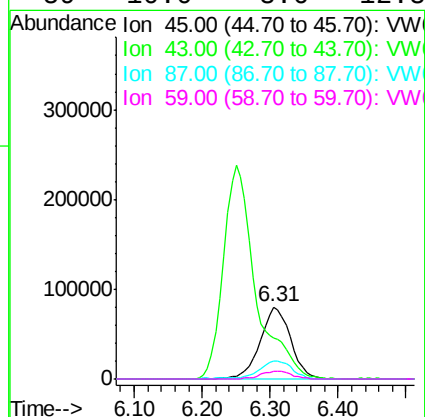
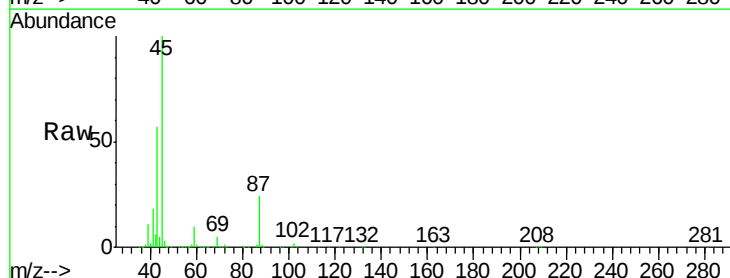
Ion Ratio Lower Upper

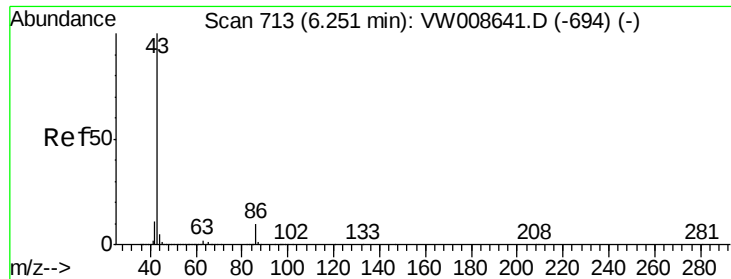
45 100

43 56.8 46.1 69.1

87 24.1 20.5 30.7

59 10.0 8.6 12.8

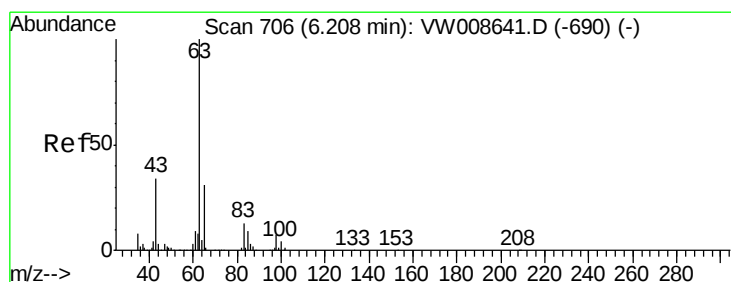
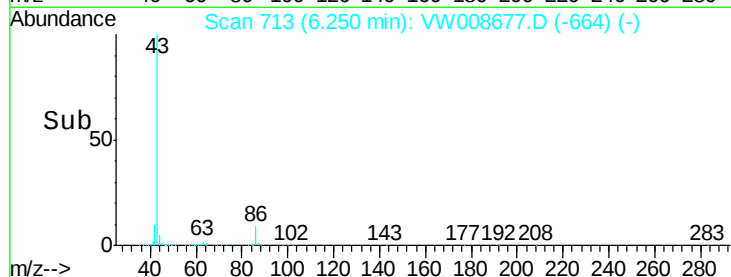
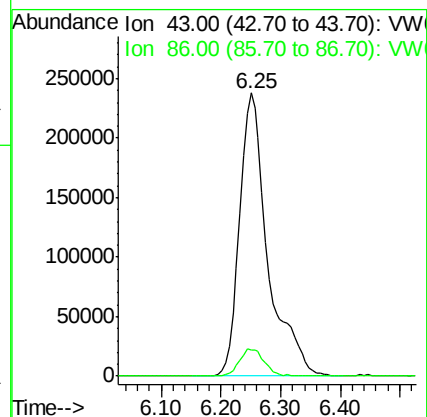
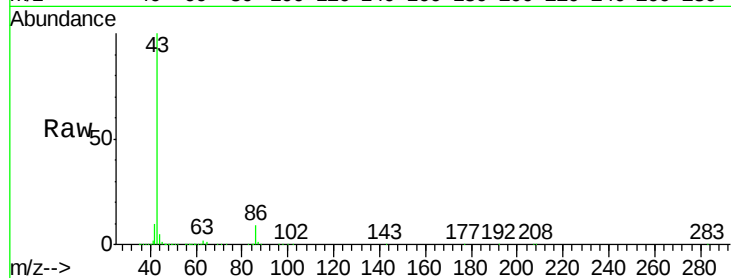




#23
 Vinyl Acetate
 Concen: 92.732 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

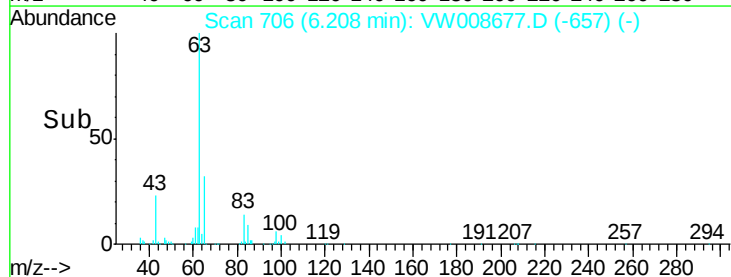
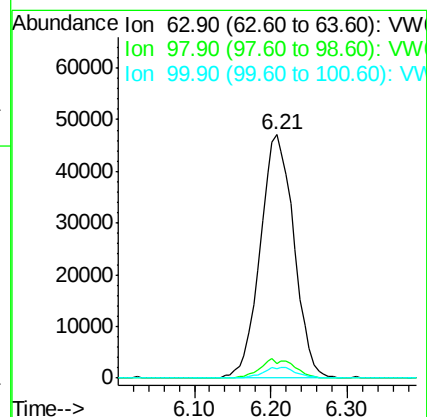
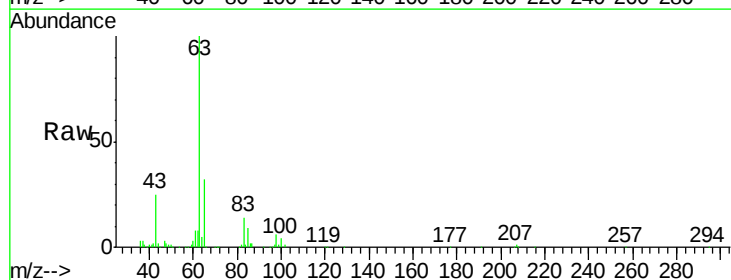
Instrument :
 MSVOA_W
 ClientSampleId :

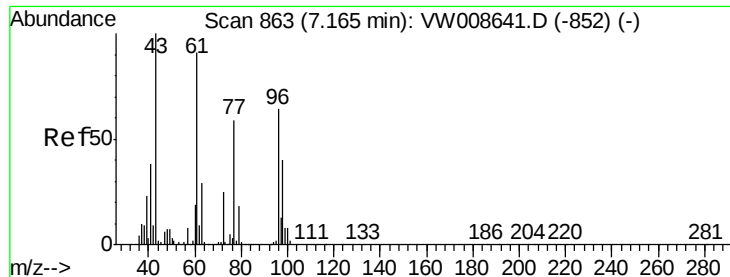
Tot Ion: 43 Resp: 784339
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 19.220 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion: 63 Resp: 144535
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.6 10.8
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 93.986 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

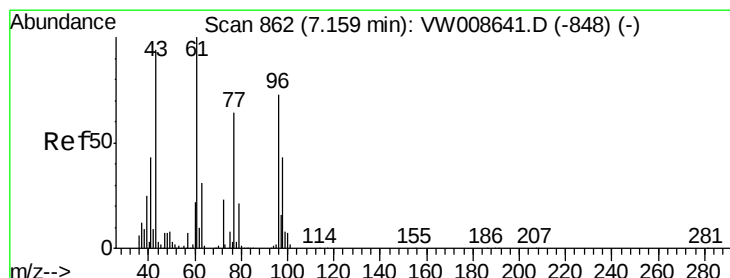
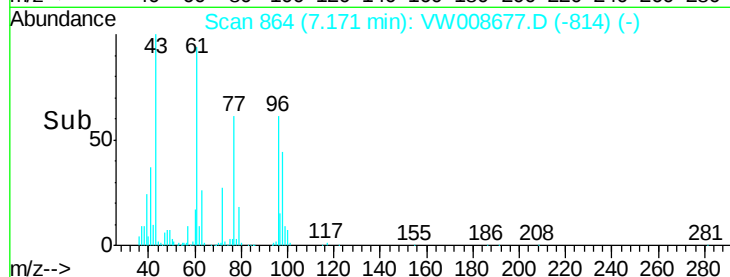
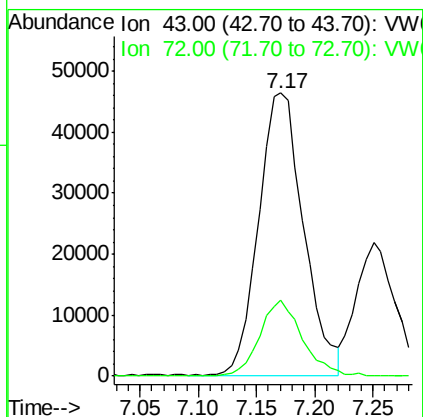
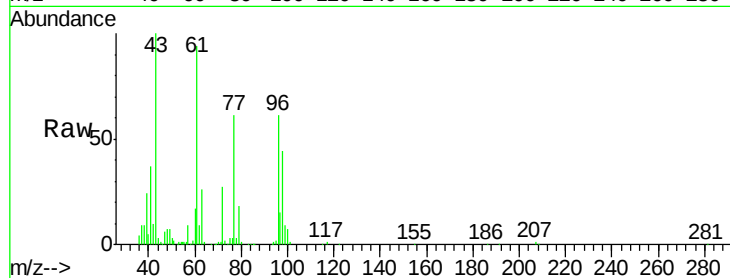
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 125337

Ion Ratio Lower Upper

43 100

72 26.6 19.7 29.5



#26

2,2-Dichloropropane

Concen: 19.853 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW008677.D

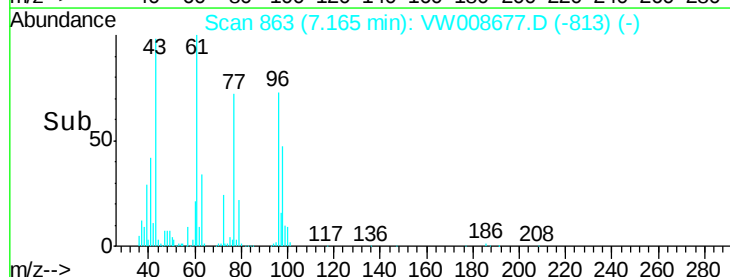
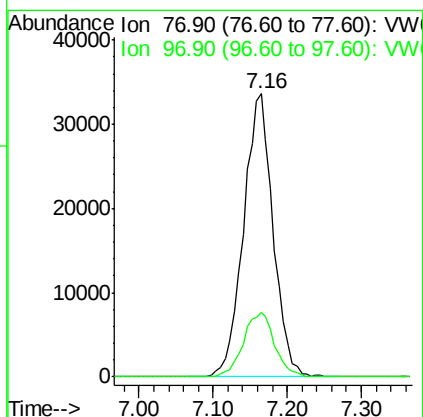
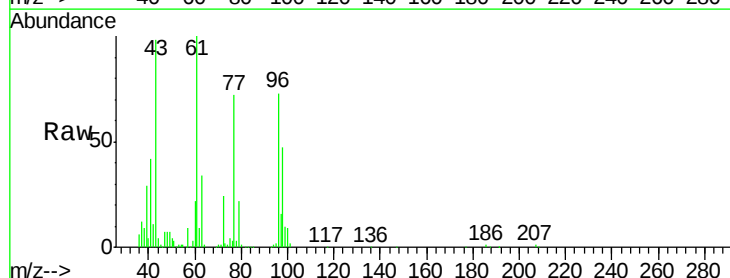
Acq: 15 Feb 2019 11:56

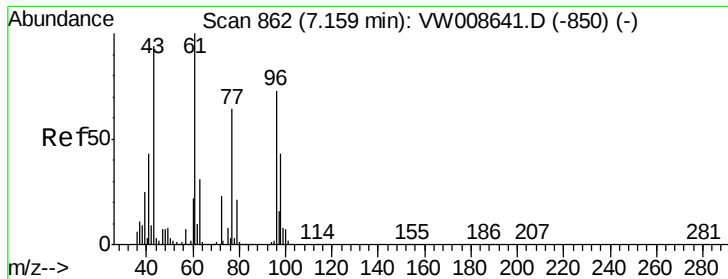
Tgt Ion: 77 Resp: 93265

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



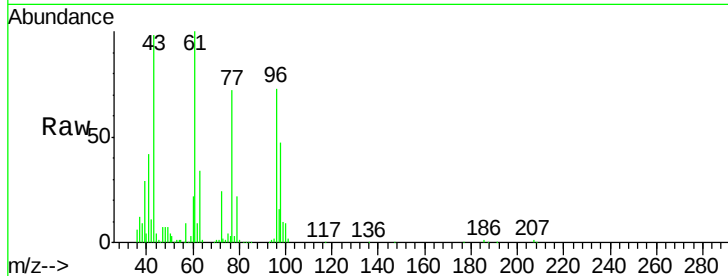


#27

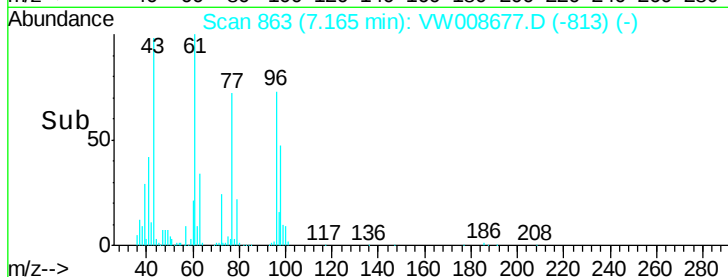
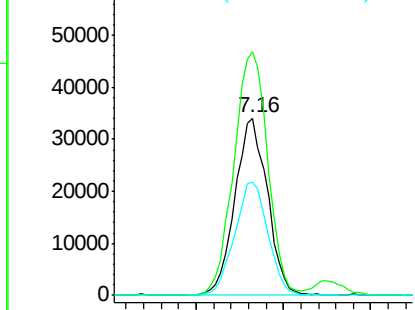
cis-1,2-Dichloroethene
 Concen: 19.179 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	286.4
98	65.3	0.0	125.0



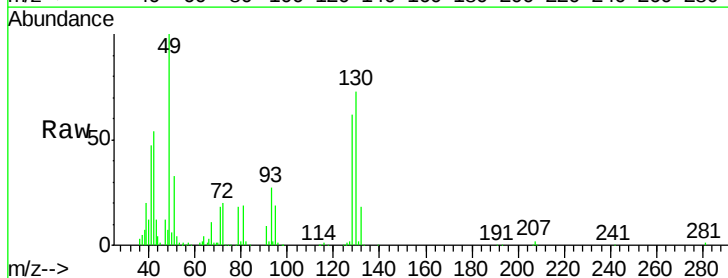
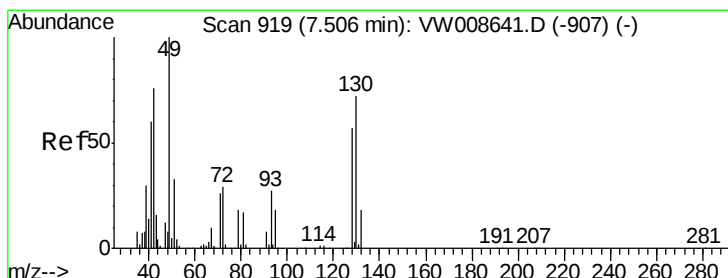
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



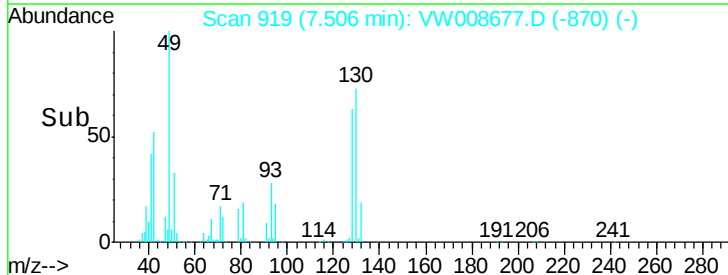
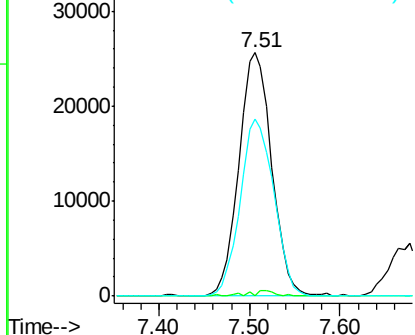
#28

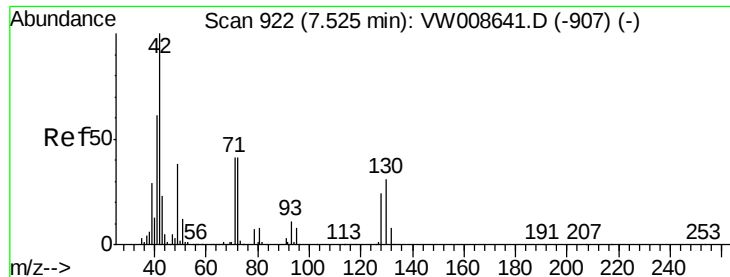
Bromochloromethane
 Concen: 20.250 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.2
130	74.8	59.4	89.0



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

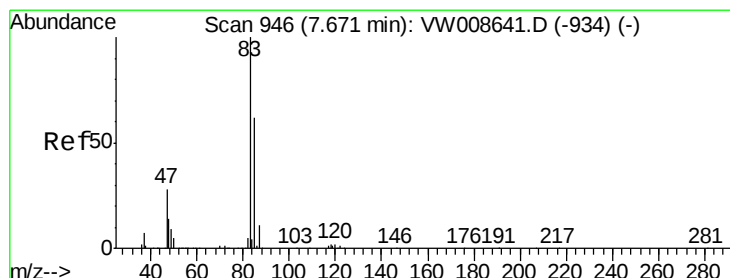
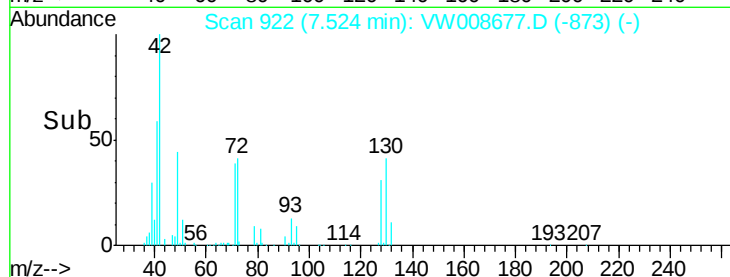
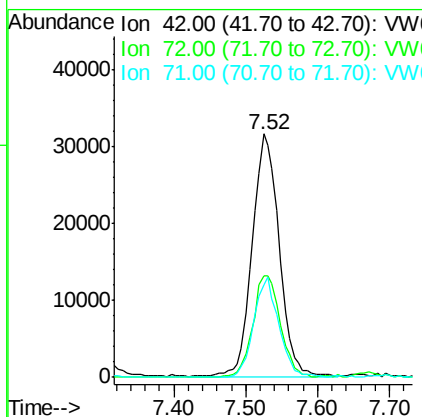
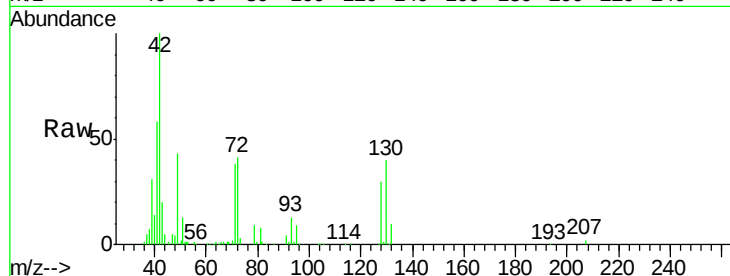




#29
Tetrahydrofuran
Concen: 92.872 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

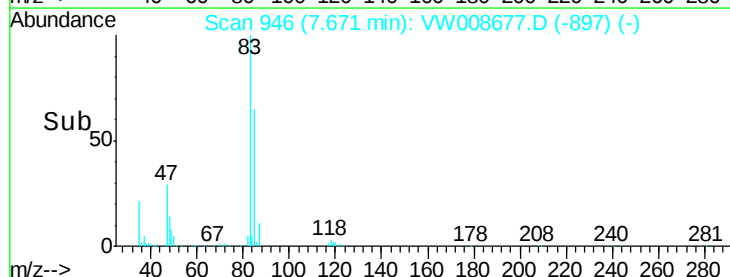
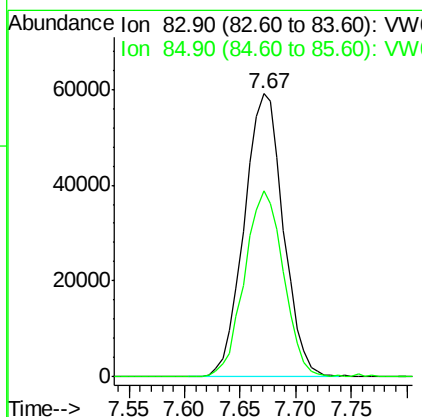
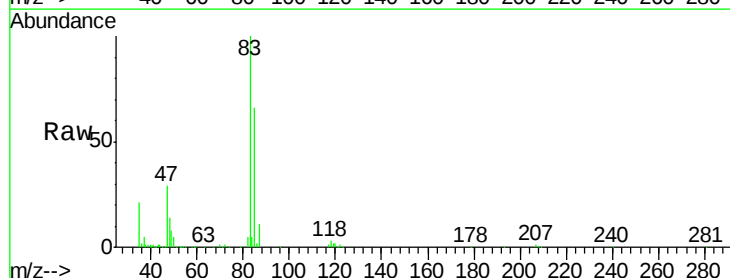
Instrument :
MSVOA_W
ClientSampled :

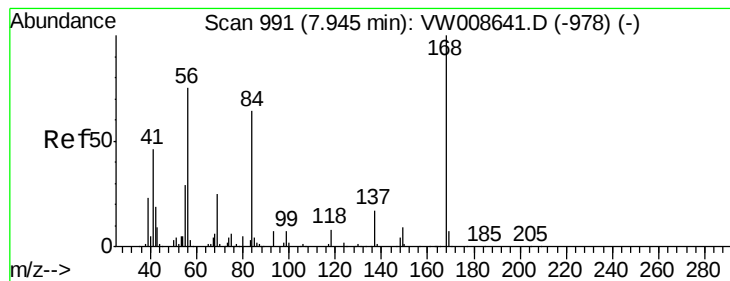
Tot Ion: 42 Resp: 81633
Ion Ratio Lower Upper
42 100
72 43.0 32.2 48.2
71 39.0 31.0 46.6



#30
Chloroform
Concen: 19.190 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 83 Resp: 144597
Ion Ratio Lower Upper
83 100
85 65.4 49.8 74.8





#31

Cyclohexane

Concen: 19.307 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :

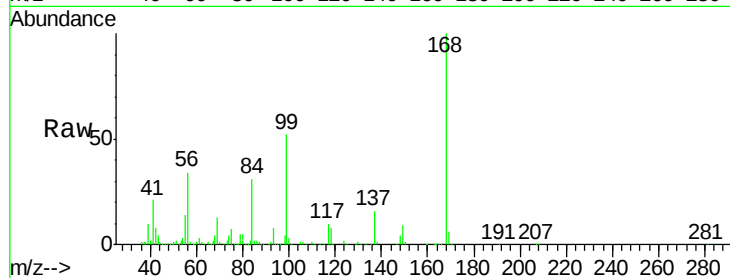
Tot Ion: 56 Resp: 146545

Ion Ratio Lower Upper

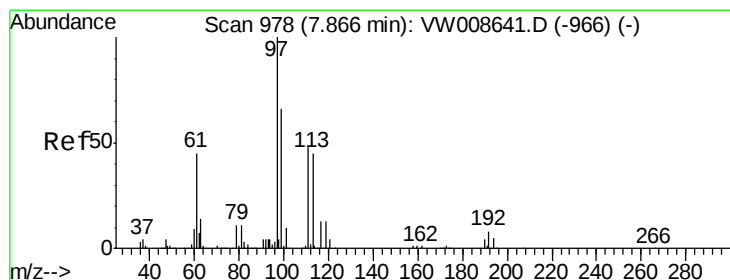
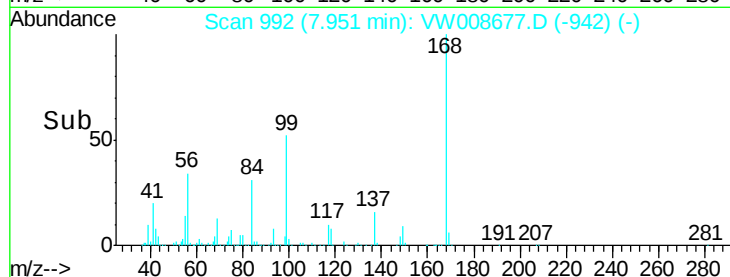
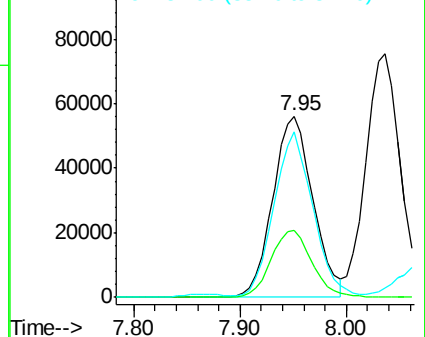
56 100

69 37.3 26.4 39.6

84 90.0 67.4 101.2



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



#32

1,1,1-Trichloroethane

Concen: 19.477 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

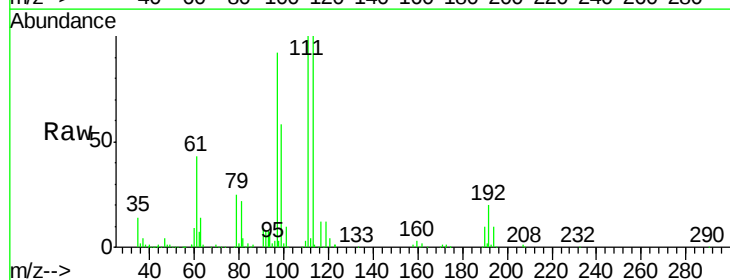
Tgt Ion: 97 Resp: 123946

Ion Ratio Lower Upper

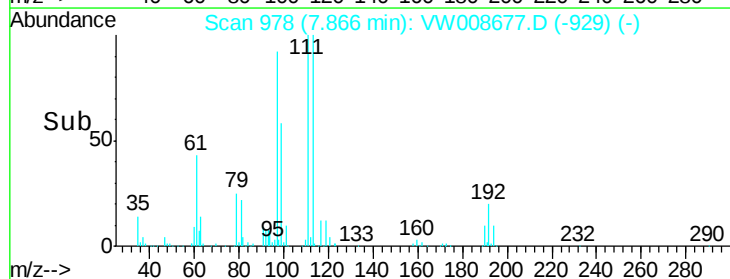
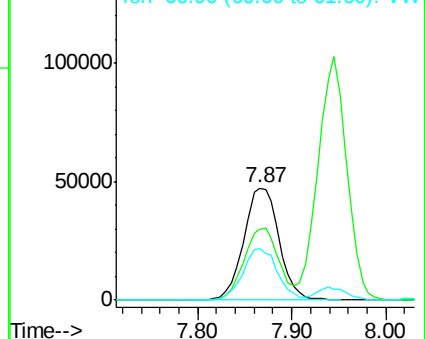
97 100

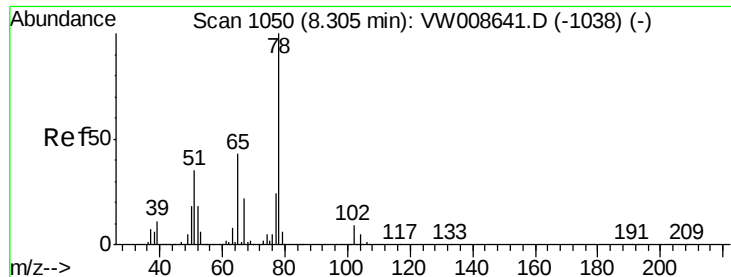
99 63.6 51.6 77.4

61 45.3 35.8 53.6



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

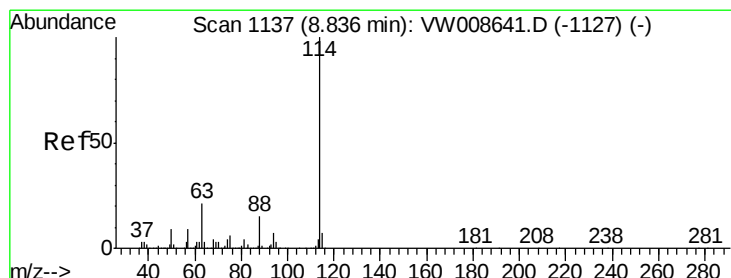
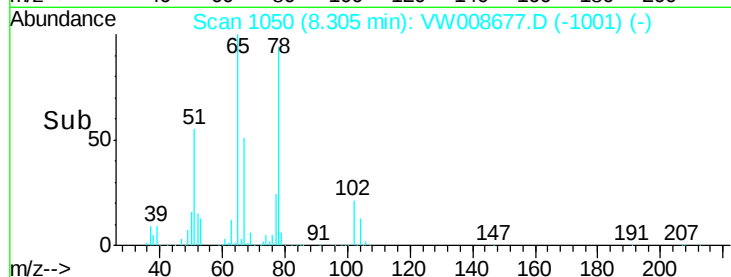
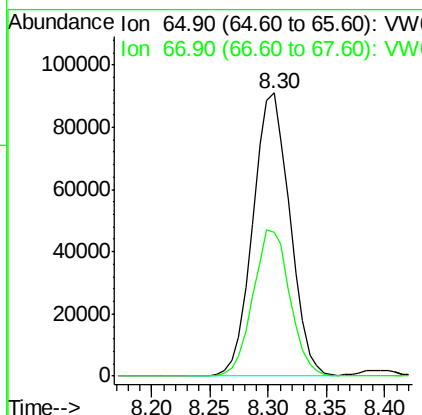
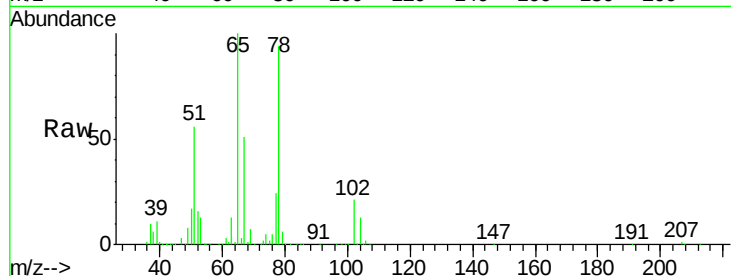




#33
 1,2-Dichloroethane-d4
 Concen: 48.301 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

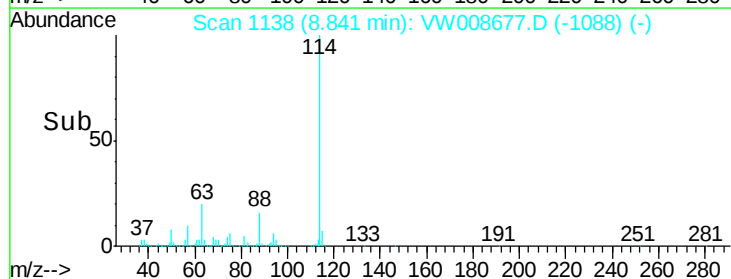
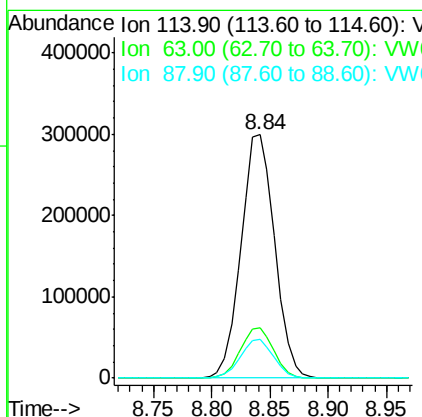
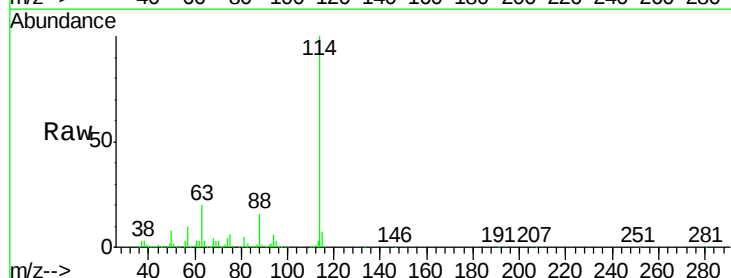
Instrument :
 MSVOA_W
 ClientSampled :

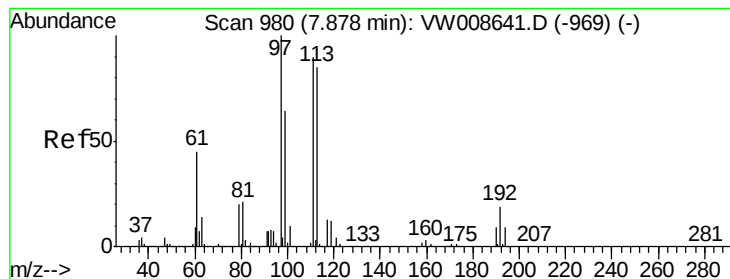
Tot Ion: 65 Resp: 200462
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion: 114 Resp: 602499
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.2
 88 16.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.691 ug/l

RT: 7.88 min Scan# 980

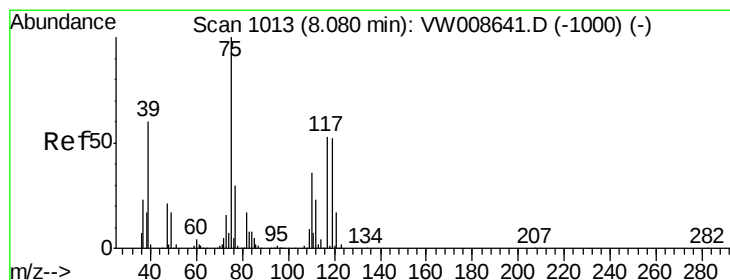
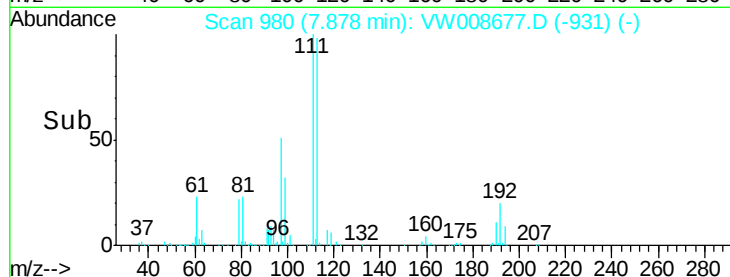
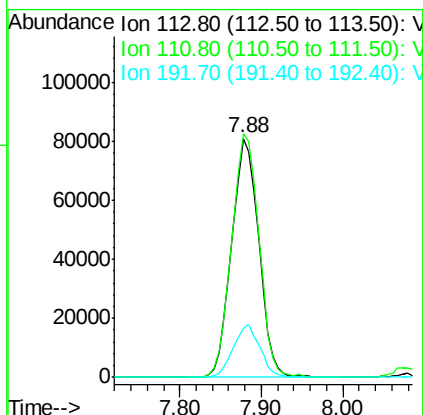
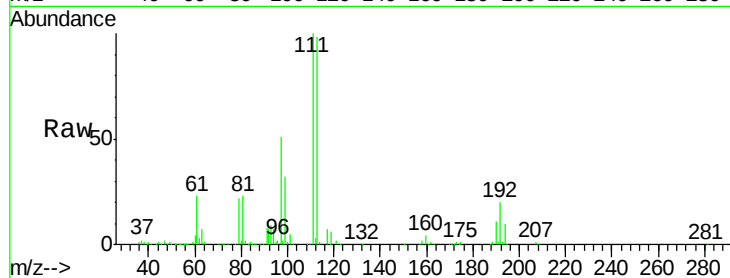
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:113	Resp:	185903
Ion Ratio	Lower	Upper
113	100	
111	102.8	84.0 126.0
192	21.6	17.4 26.2



#36

1,1-Dichloropropene

Concen: 19.618 ug/l

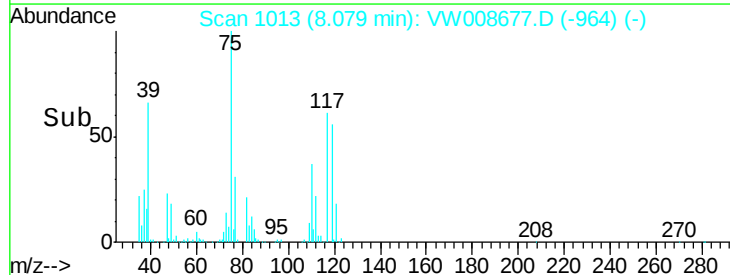
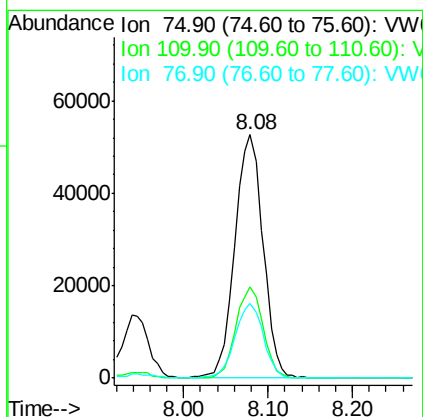
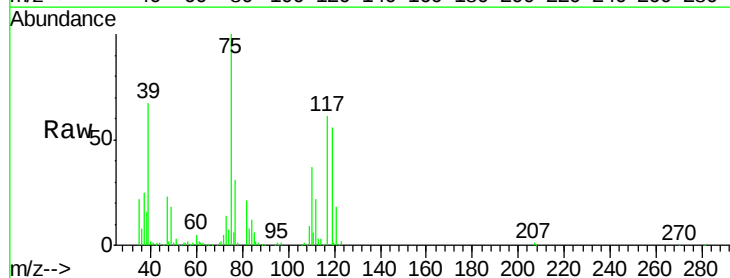
RT: 8.08 min Scan# 1013

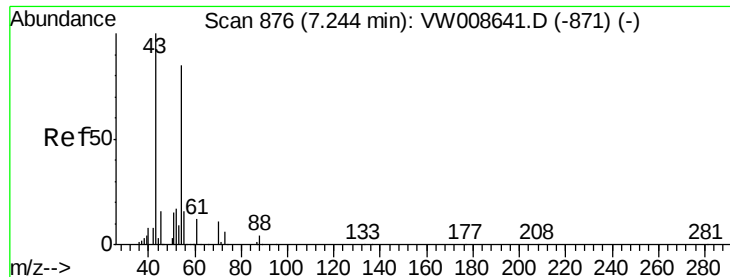
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion: 75	Resp:	118748
Ion Ratio	Lower	Upper
75	100	
110	36.0	17.8 53.3
77	30.9	24.7 37.1

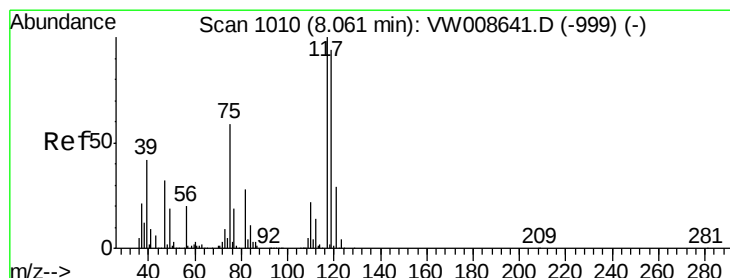
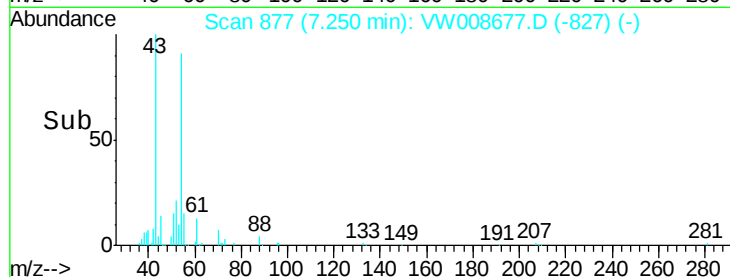
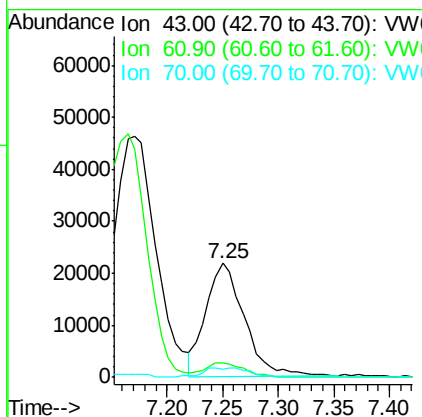
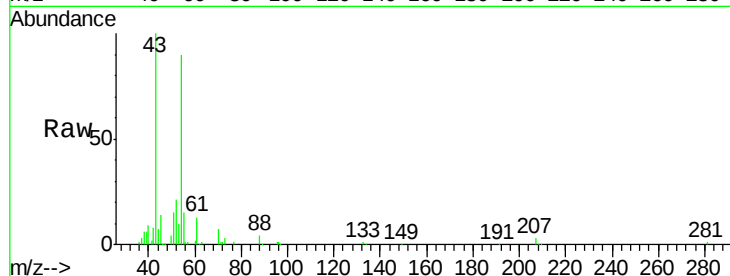




#37
Ethyl Acetate
Concen: 17.884 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

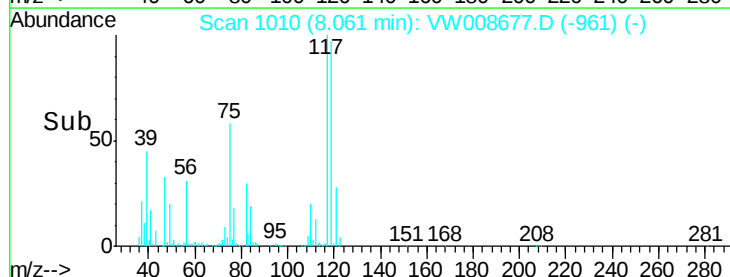
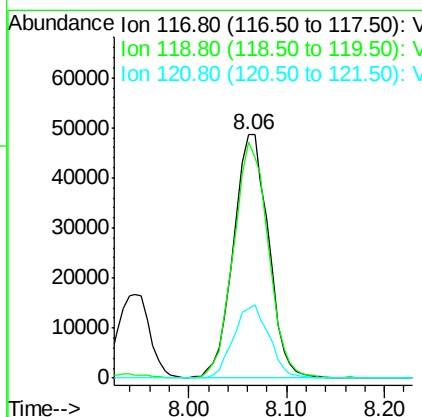
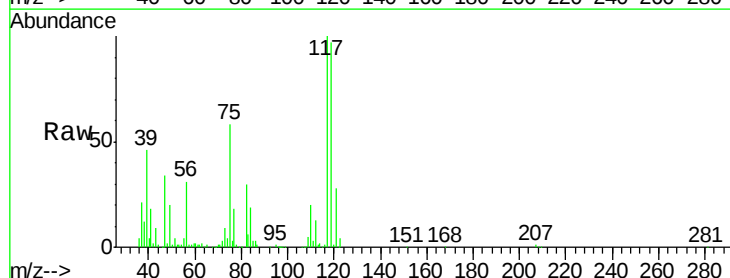
Instrument :
MSVOA_W
ClientSampled :

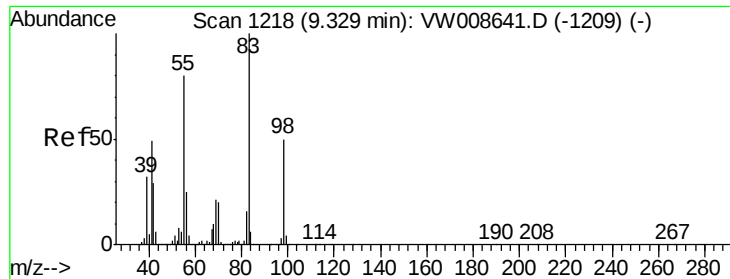
Tot Ion: 43 Resp: 52222
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 4.7 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 20.256 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 117 Resp: 121925
Ion Ratio Lower Upper
117 100
119 97.1 75.1 112.7
121 28.4 23.5 35.3

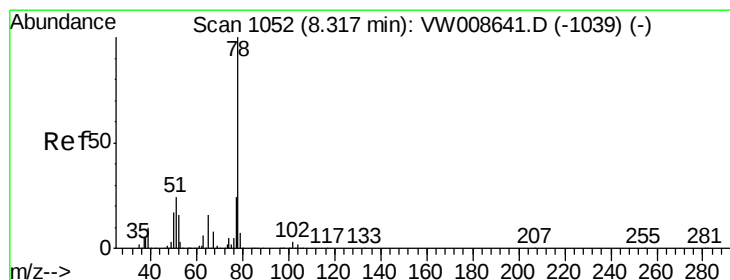
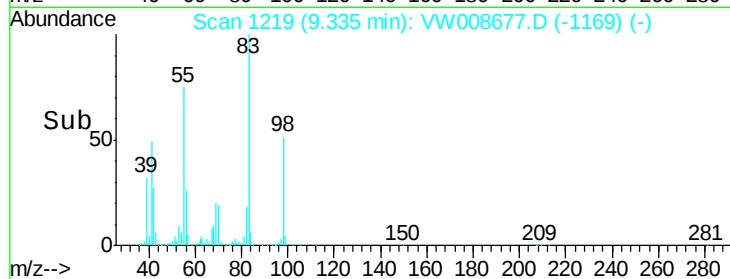
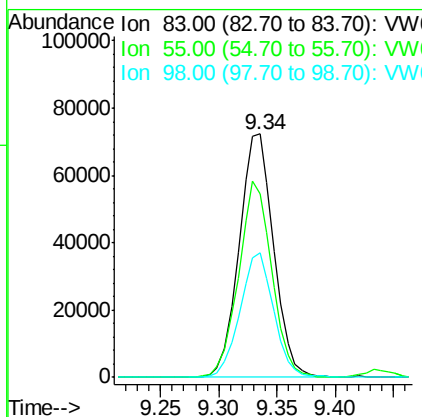
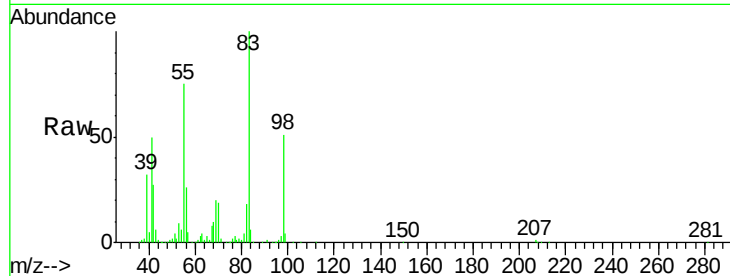




#39
Methvlcvclohexane
Concen: 19.517 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

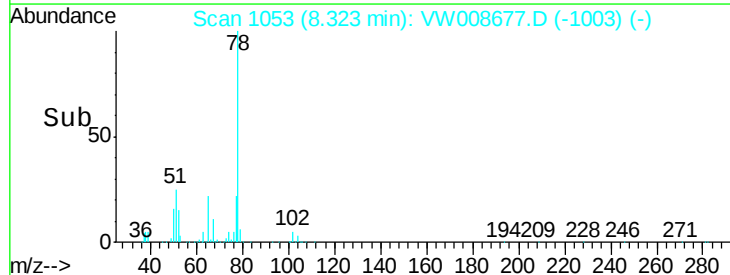
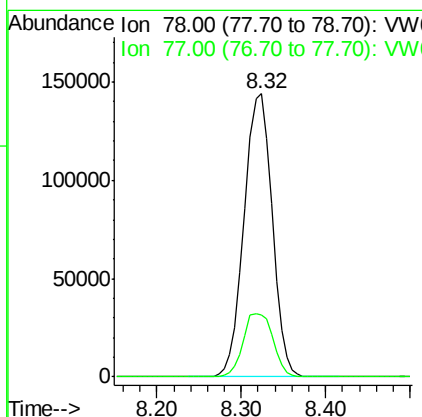
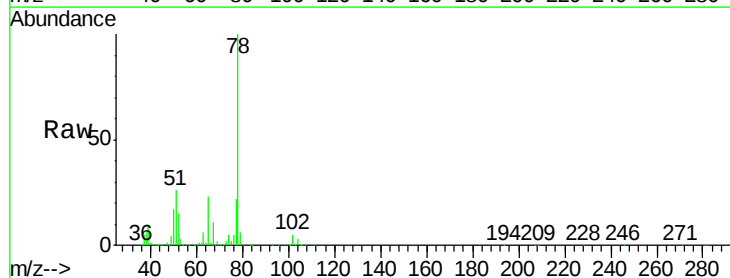
Instrument :
MSVOA_W
ClientSampleId :

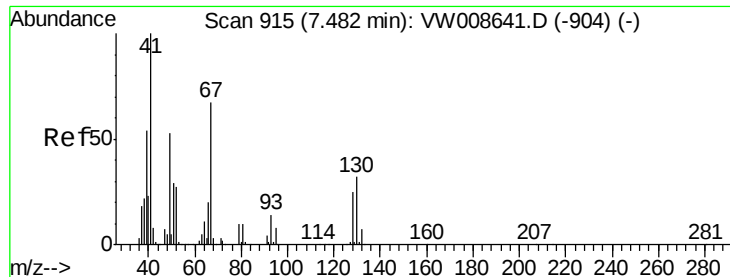
Tot Ion: 83 Resp: 149424
Ion Ratio Lower Upper
83 100
55 75.2 63.9 95.9
98 51.4 40.2 60.2



#40
Benzene
Concen: 19.620 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 78 Resp: 324358
Ion Ratio Lower Upper
78 100
77 22.1 19.5 29.3

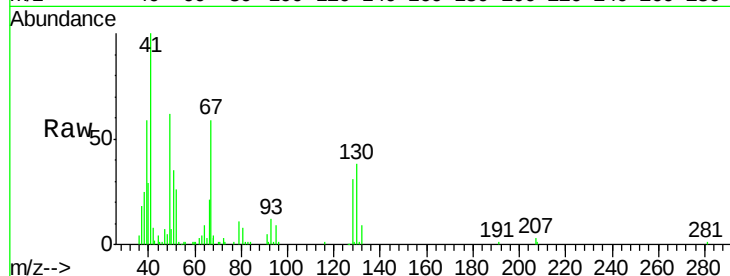




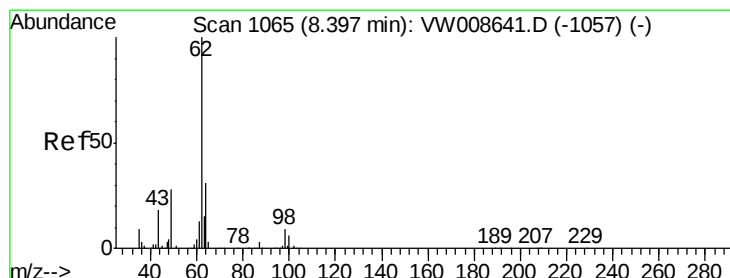
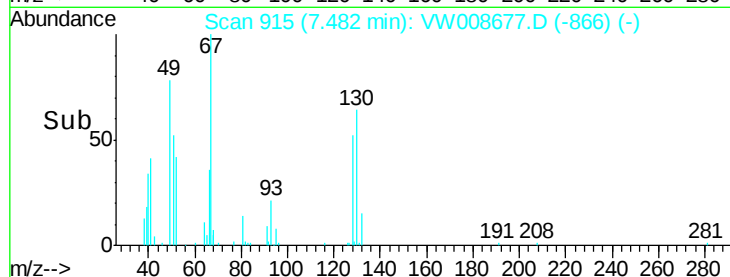
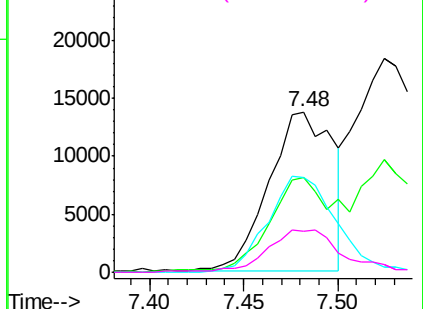
#41
Methacrylonitrile
Concen: 19.894 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	32684
Ion	Ratio	Lower	Upper
41	100		
39	50.2	39.7	59.5
67	63.8	52.5	78.7
52	30.4	23.1	34.7

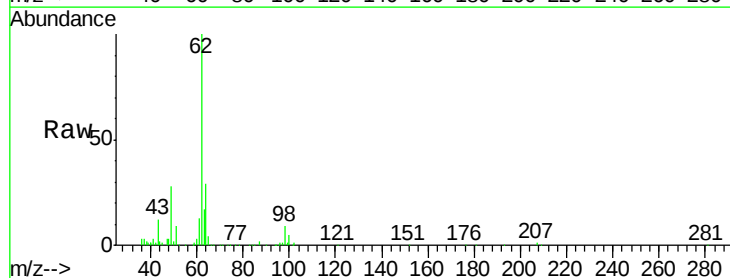


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

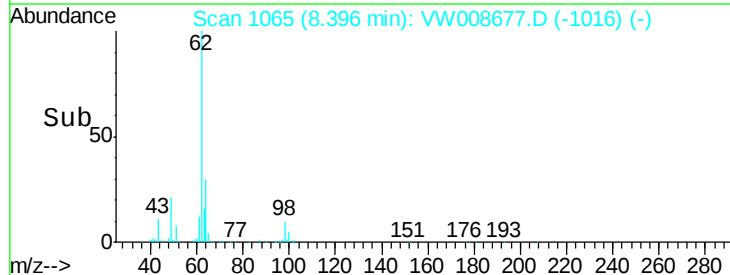
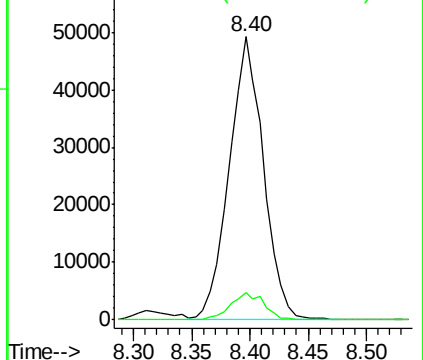


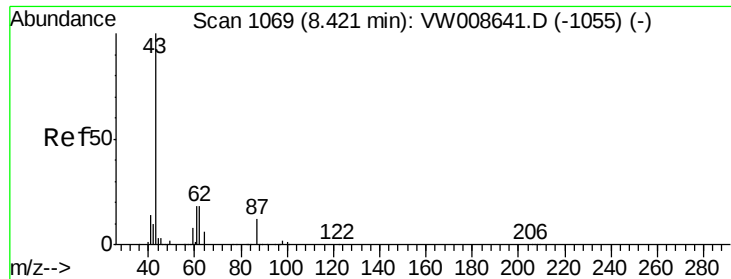
#42
1,2-Dichloroethane
Concen: 19.595 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion:	62	Resp:	100481
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 18.513 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

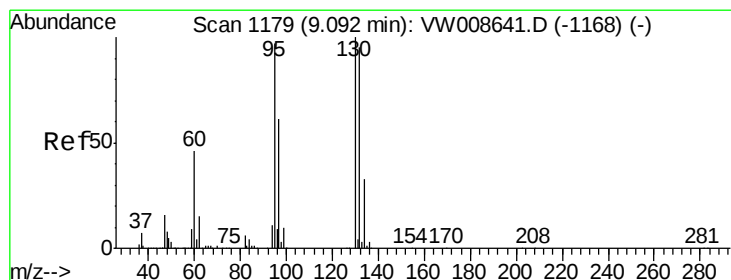
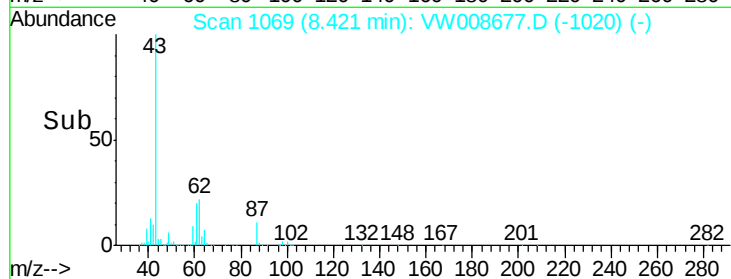
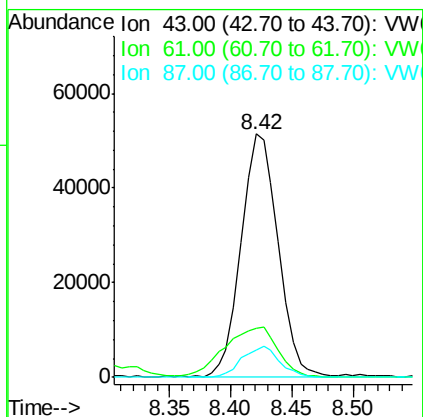
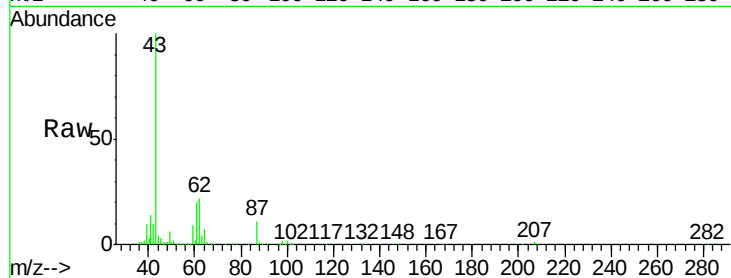
Tot Ion: 43 Resp: 107791

Ion Ratio Lower Upper

43 100

61 30.1 21.4 32.2

87 13.1 9.8 14.8



#44

Trichloroethene

Concen: 19.587 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008677.D

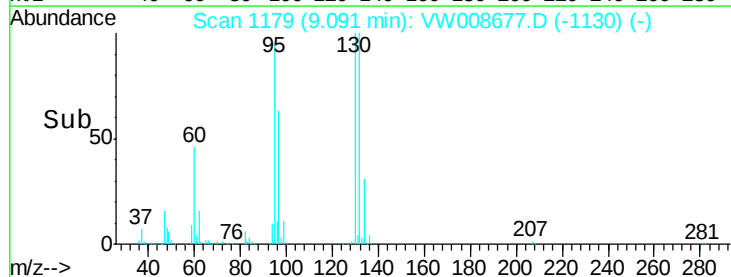
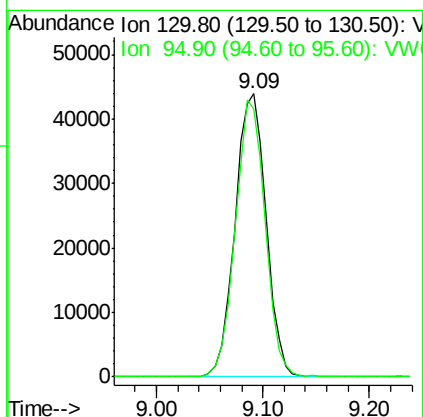
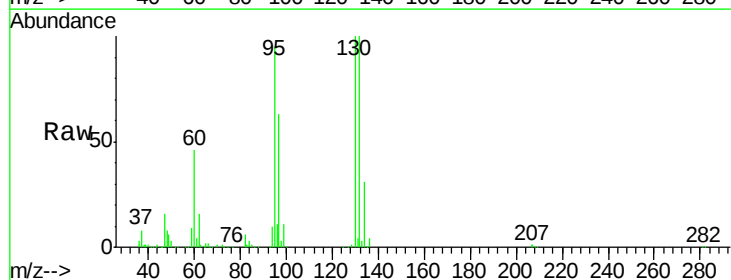
Acq: 15 Feb 2019 11:56

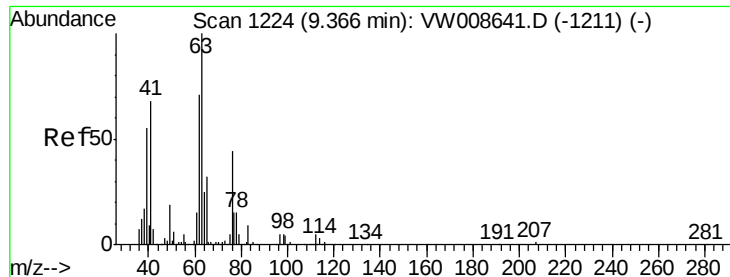
Tgt Ion: 130 Resp: 89782

Ion Ratio Lower Upper

130 100

95 94.9 0.0 193.4





#45

1,2-Dichloropropane

Concen: 19.276 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

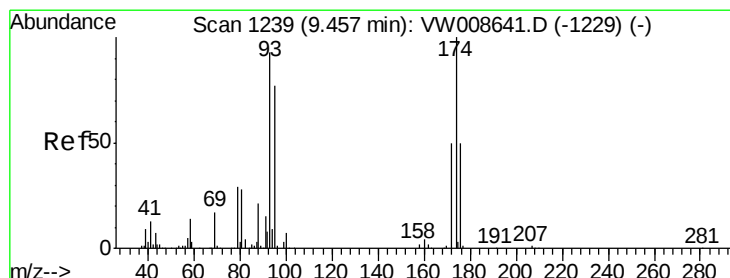
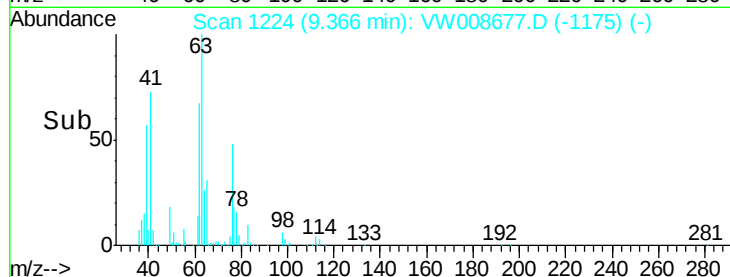
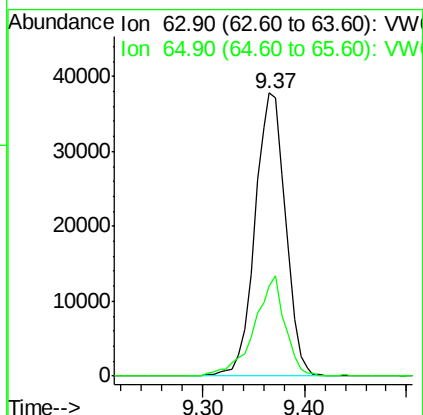
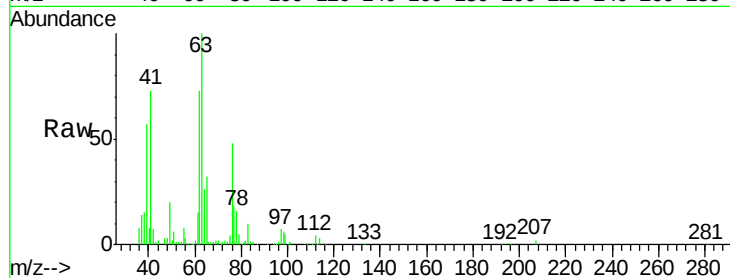
ClientSampleId :

Tot Ion: 63 Resp: 78865

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.0



#46

Dibromomethane

Concen: 19.810 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

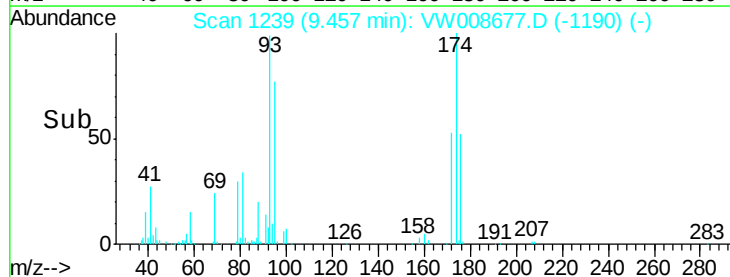
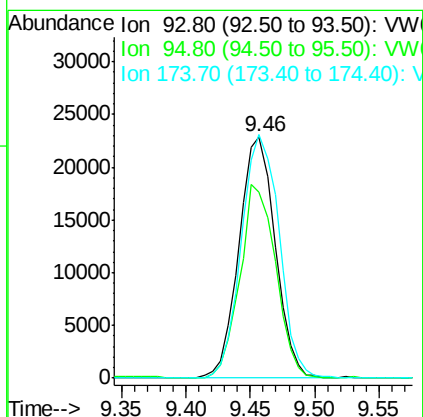
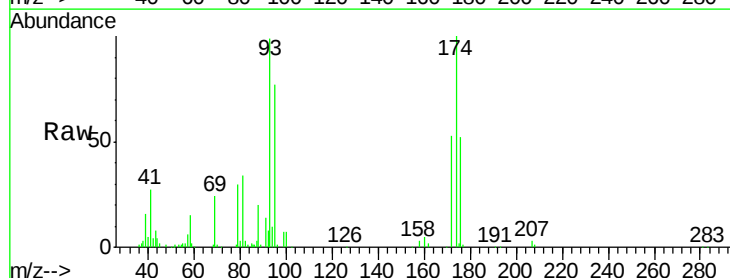
Tgt Ion: 93 Resp: 44648

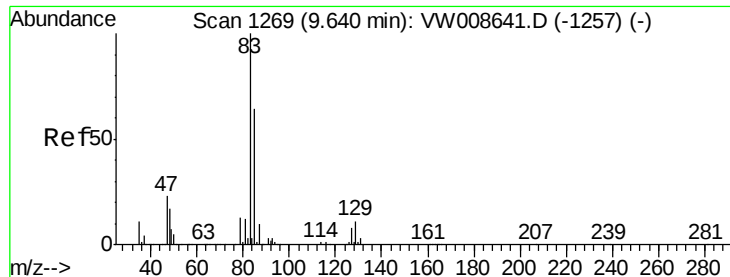
Ion Ratio Lower Upper

93 100

95 79.1 65.8 98.8

174 105.0 82.5 123.7

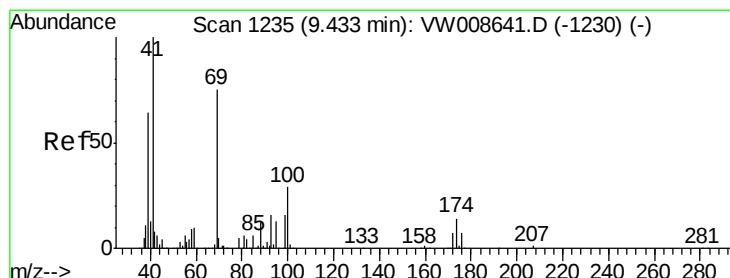
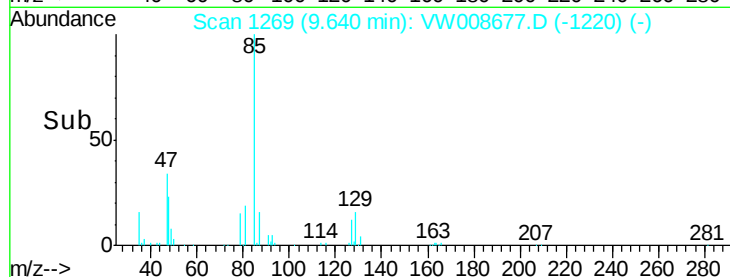
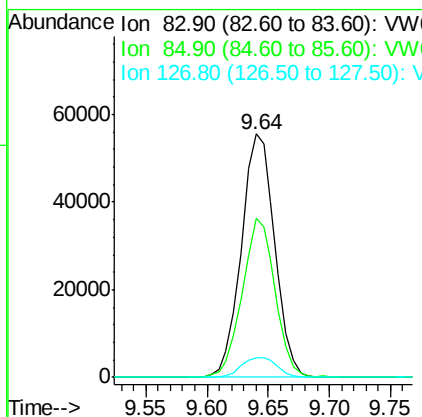
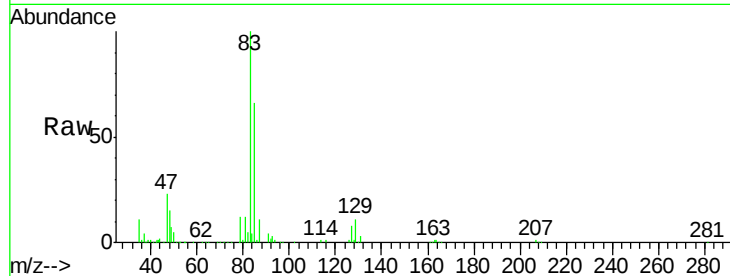




#47
Bromodichloromethane
Concen: 19.451 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

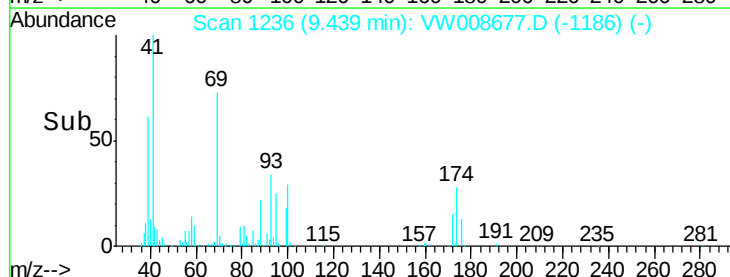
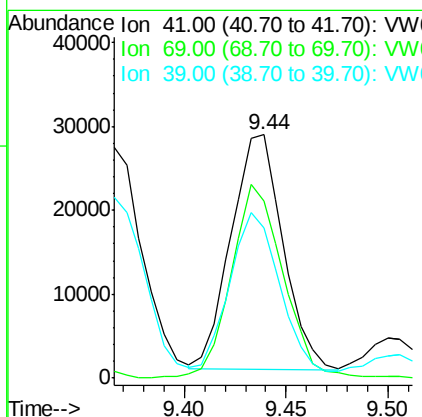
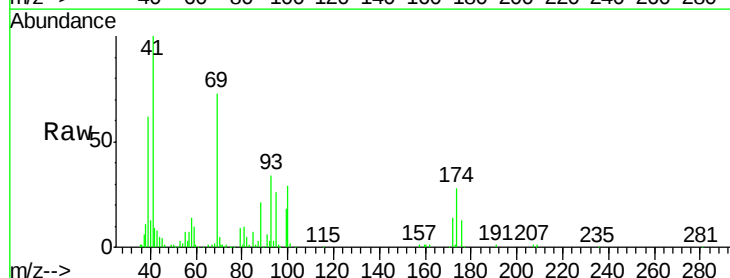
Instrument :
MSVOA_W
ClientSampleId :

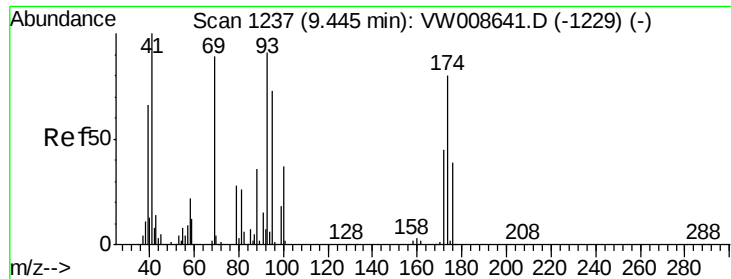
Tot Ion	83	Resp	105354
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.2	76.8
127	8.0	6.4	9.6



#48
Methyl methacrylate
Concen: 18.323 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	41	Resp	49441
Ion Ratio	Lower	Upper	
41	100		
69	82.9	64.1	96.1
39	64.8	52.3	78.5

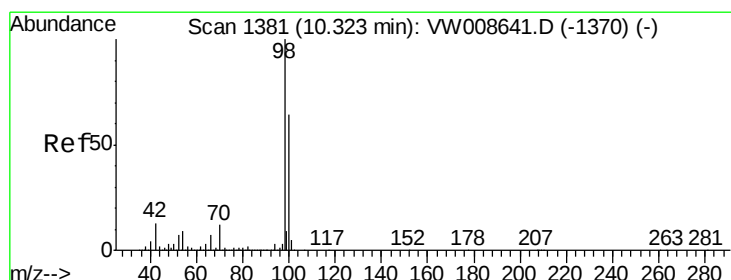
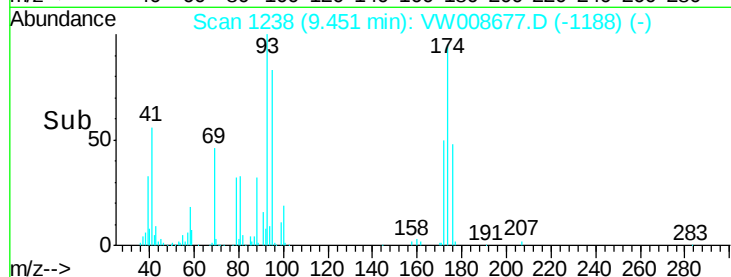
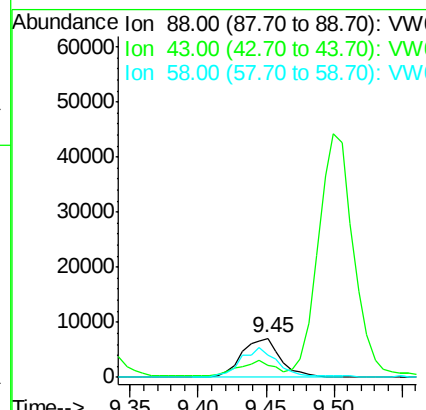
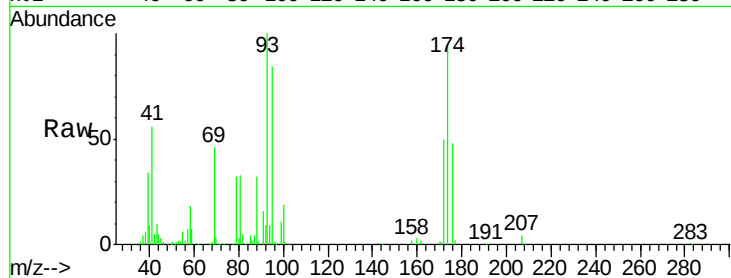




#49
 1,4-Dioxane
 Concen: 393.799 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

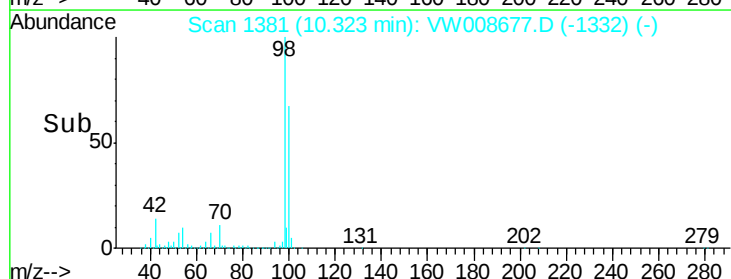
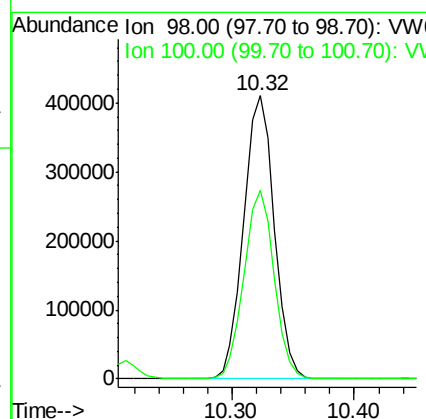
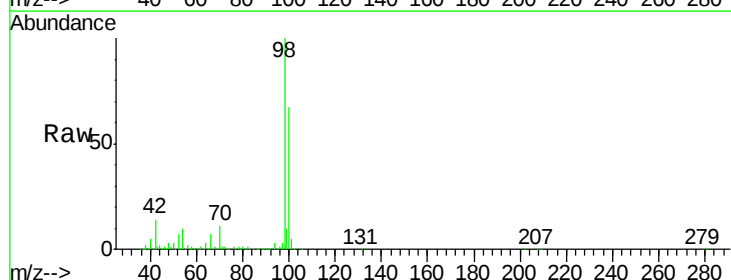
Instrument :
 MSVOA_W
 ClientSampleId :

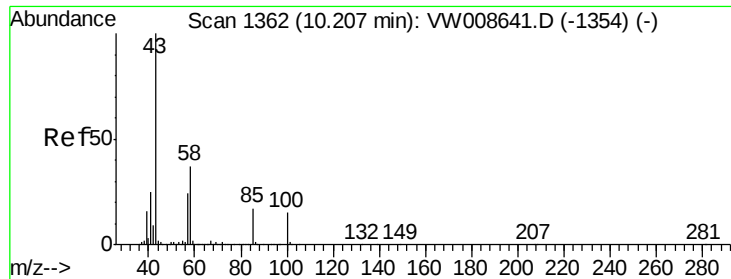
Tot Ion: 88 Resp: 14167
 Ion Ratio Lower Upper
 88 100
 43 35.0 31.0 46.6
 58 73.7 57.0 85.6



#50
 Toluene-d8
 Concen: 49.470 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion: 98 Resp: 713443
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 93.613 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

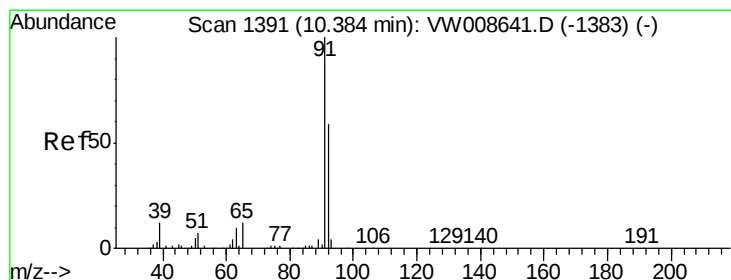
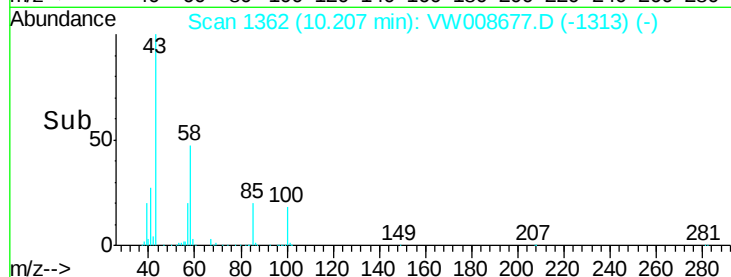
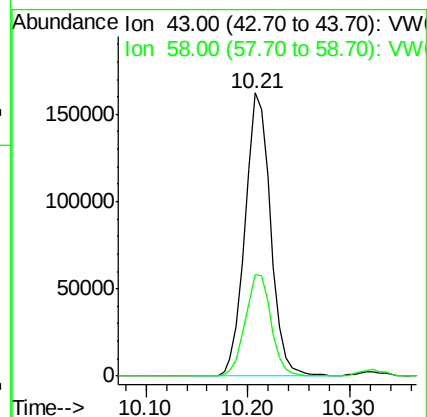
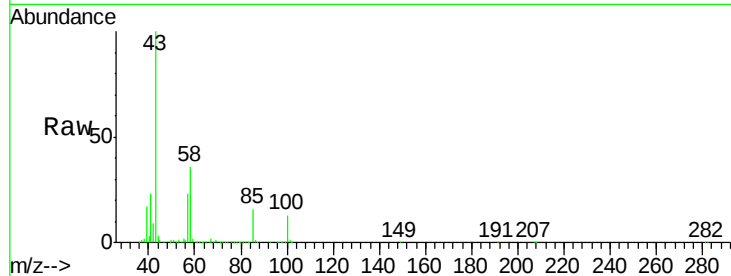
ClientSampleId :

Tot Ion: 43 Resp: 279988

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.6



#52

Toluene

Concen: 19.527 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008677.D

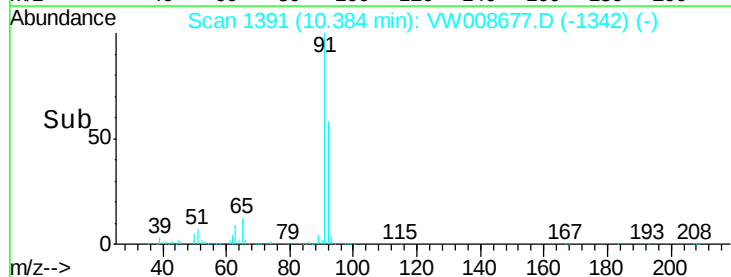
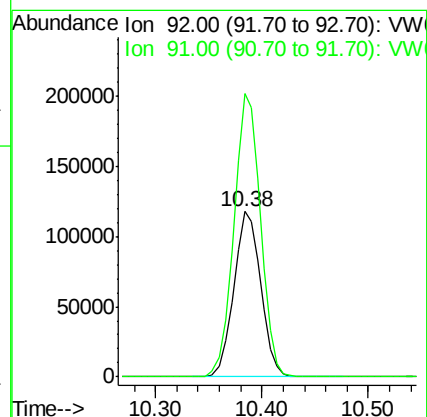
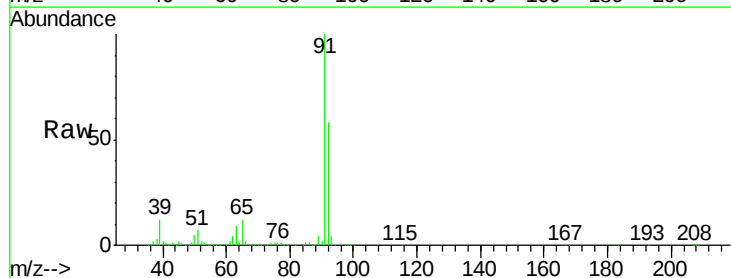
Acq: 15 Feb 2019 11:56

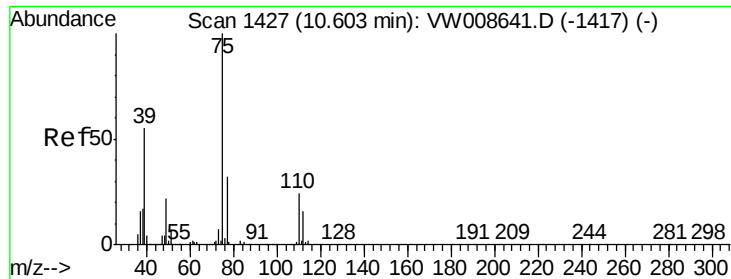
Tgt Ion: 92 Resp: 208252

Ion Ratio Lower Upper

92 100

91 169.1 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 18.908 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

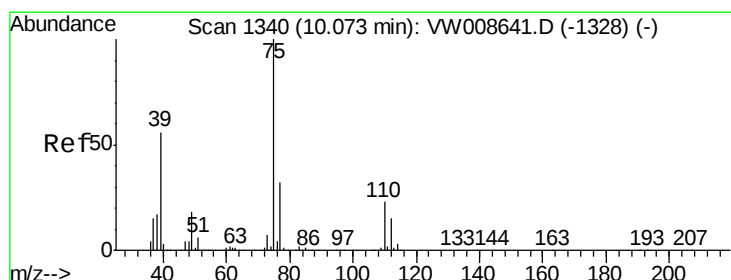
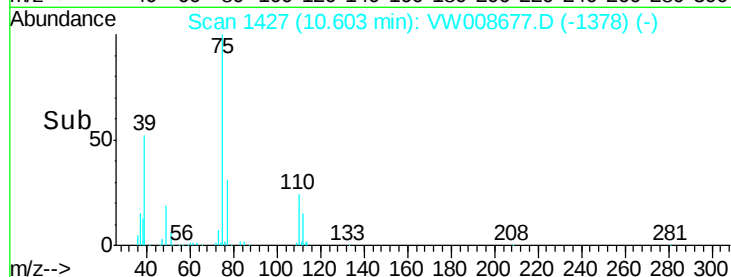
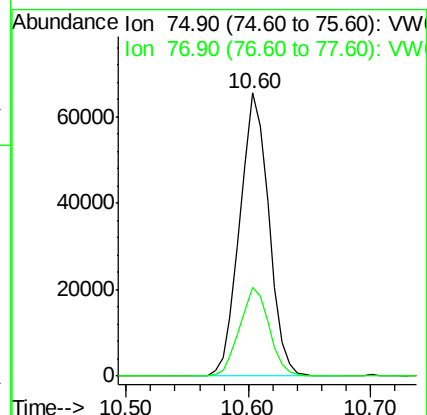
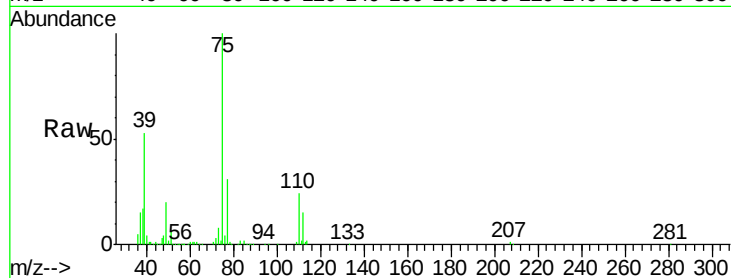
ClientSampleId :

Tot Ion: 75 Resp: 107588

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.165 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

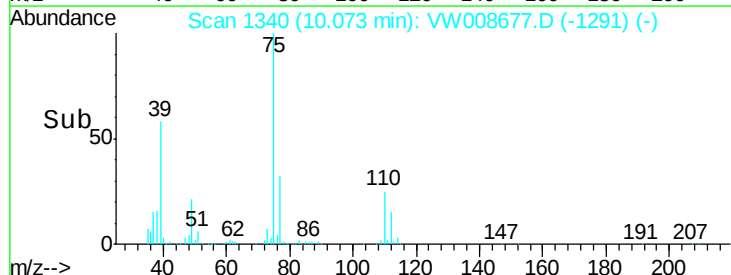
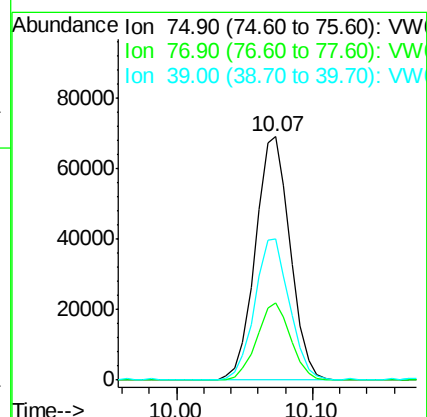
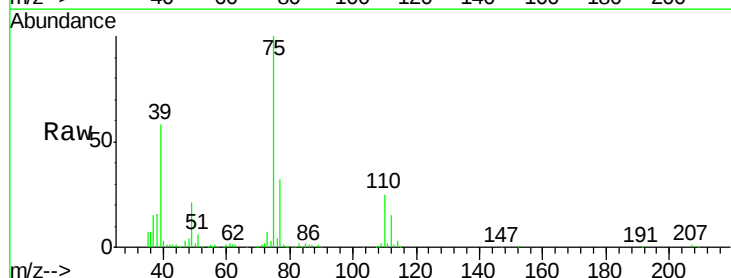
Tgt Ion: 75 Resp: 123619

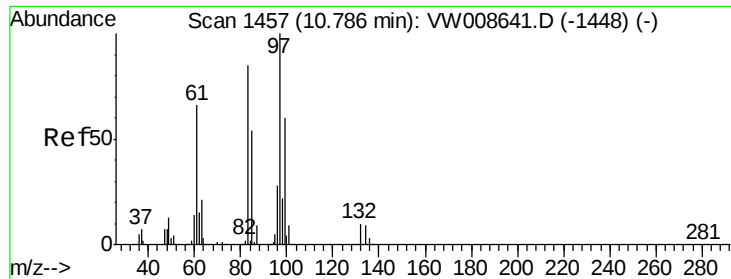
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 57.9 44.5 66.7

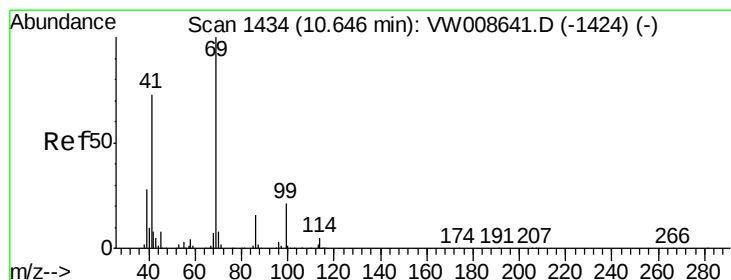
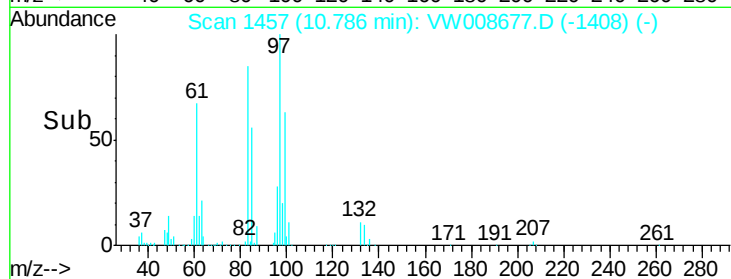
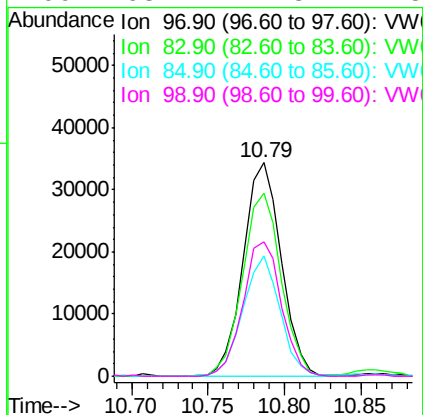
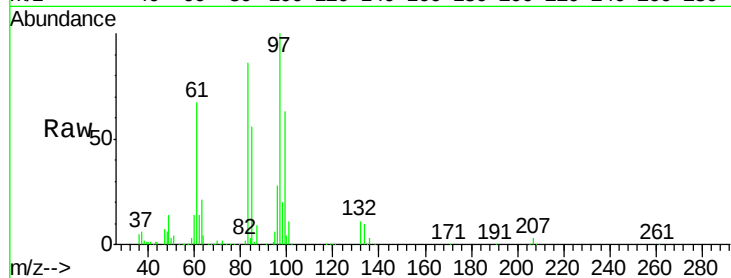




#55
 1,1,2-Trichloroethane
 Concen: 19.228 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

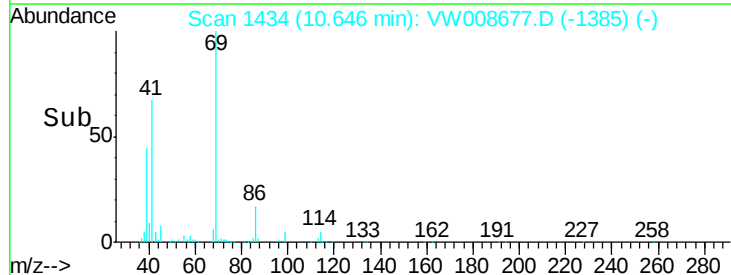
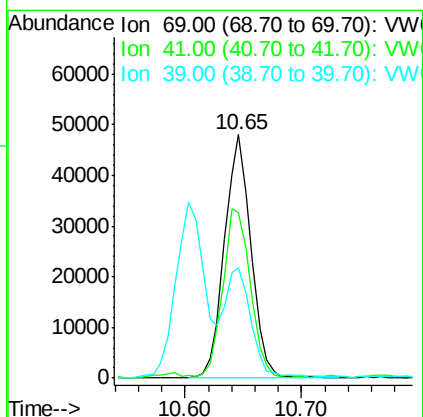
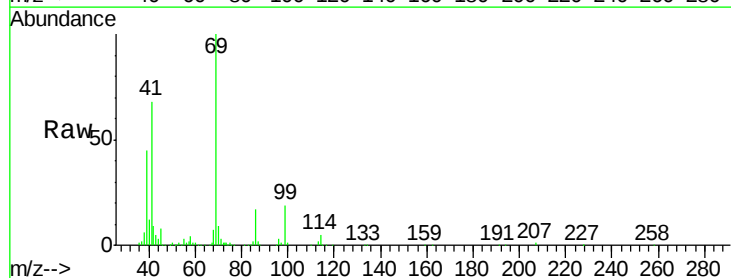
Instrument :
 MSVOA_W
 ClientSampleId :

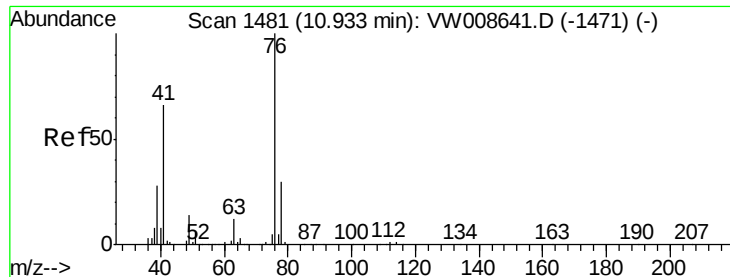
Tot Ion:	97	Resp:	59462
Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.4	102.6
85	56.1	43.1	64.7
99	63.2	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 18.473 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion:	69	Resp:	75857
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.0	88.4
39	43.6	34.4	51.6

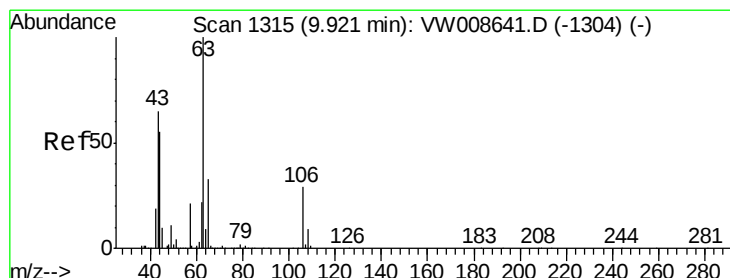
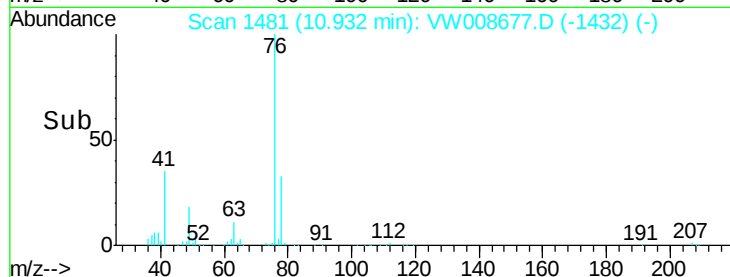
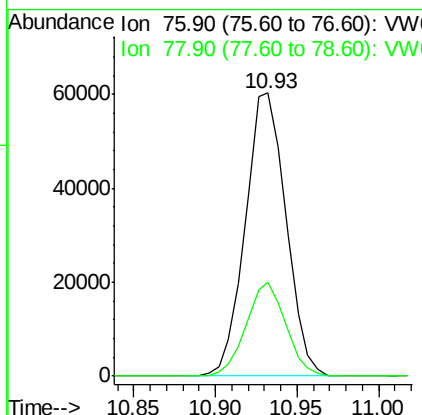
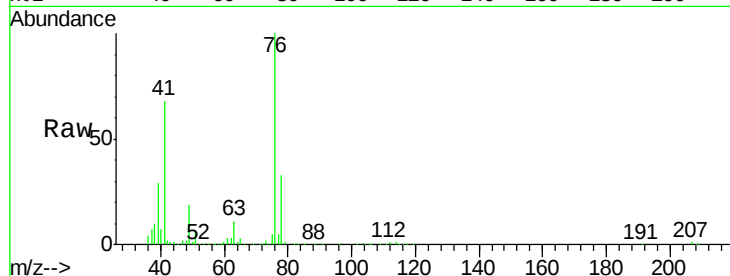




#57
 1,3-Dichloropropane
 Concen: 19.136 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

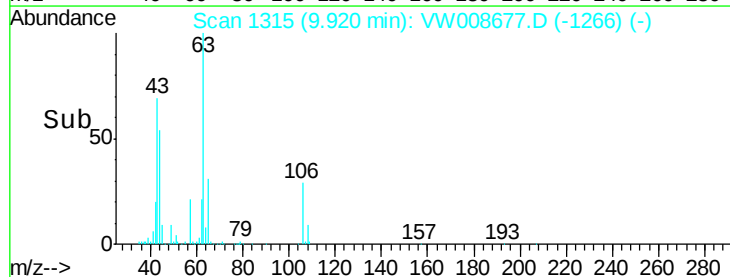
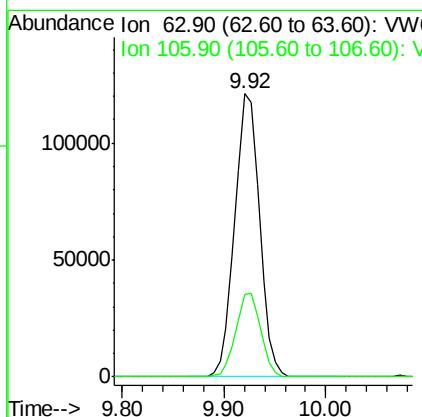
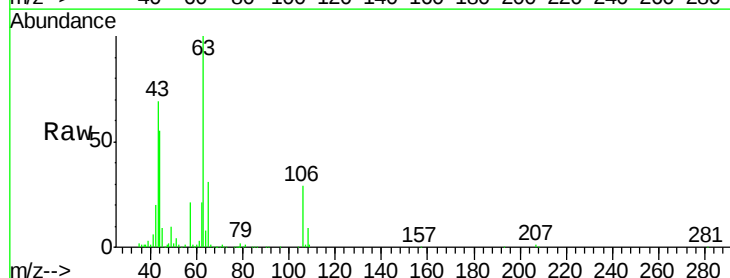
Instrument :
 MSVOA_W
 ClientSampleId :

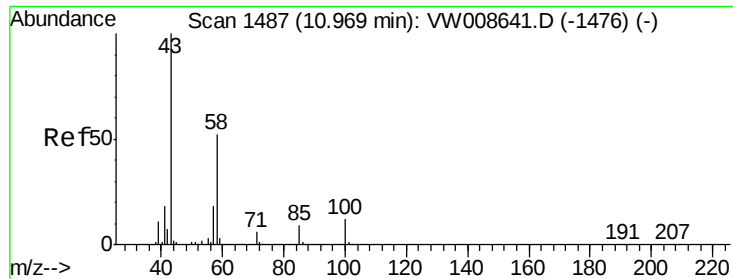
Tot Ion: 76 Resp: 104997
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.532 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion: 63 Resp: 203939
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.2





#59

2-Hexanone

Concen: 94.667 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

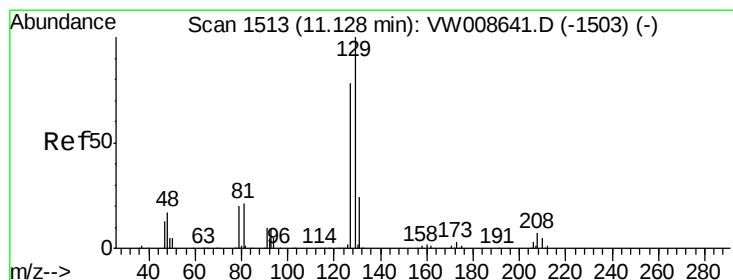
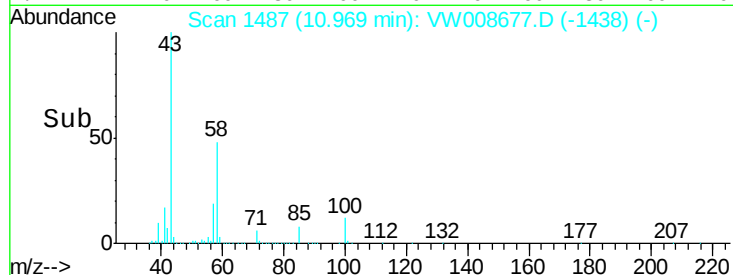
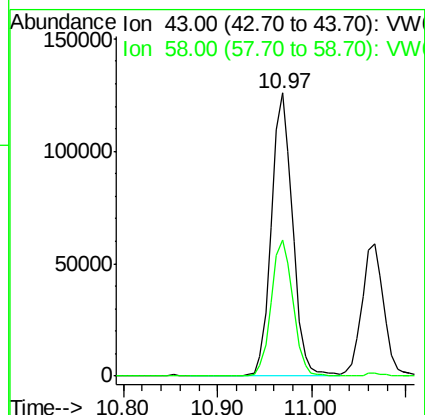
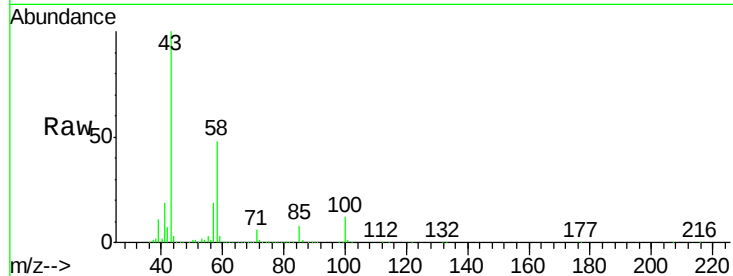
ClientSampled :

Tot Ion: 43 Resp: 198907

Ion Ratio Lower Upper

43 100

58 49.4 25.6 76.6



#60

Dibromochloromethane

Concen: 18.776 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008677.D

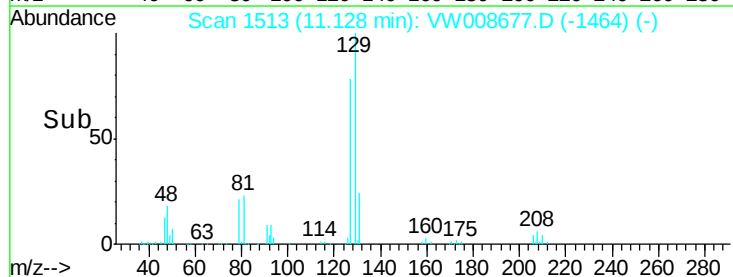
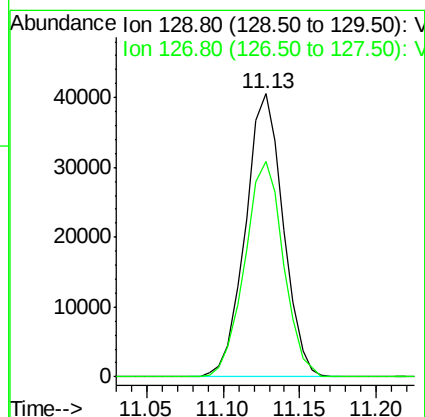
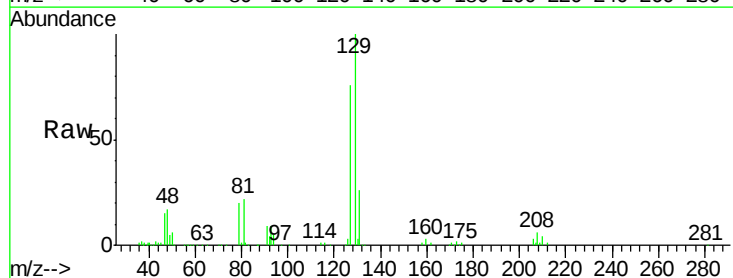
Acq: 15 Feb 2019 11:56

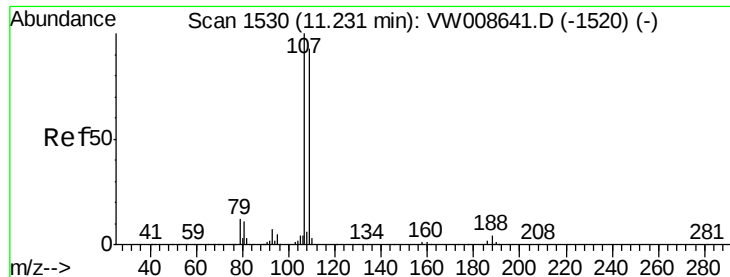
Tgt Ion: 129 Resp: 69475

Ion Ratio Lower Upper

129 100

127 78.0 38.5 115.3

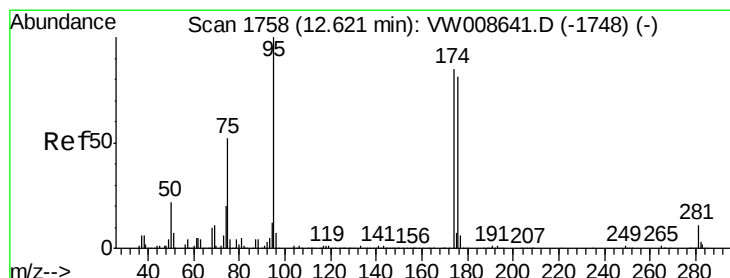
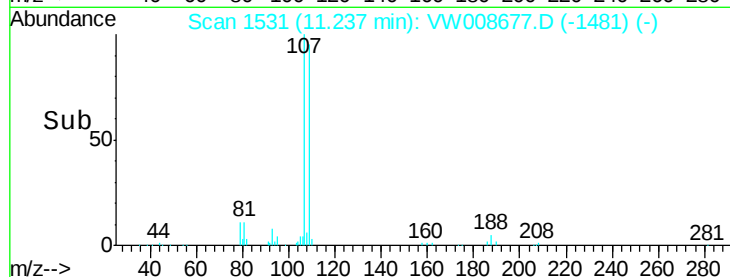
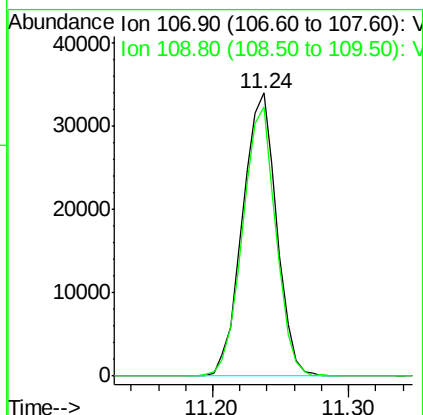
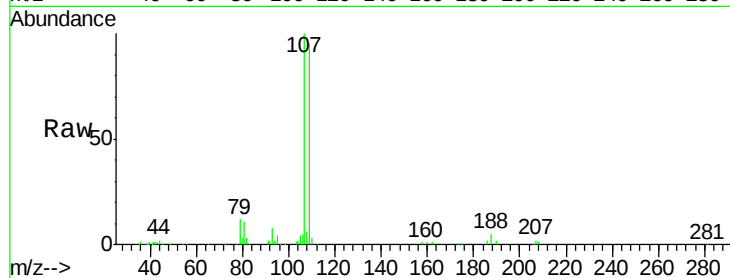




#61
 1,2-Dibromoethane
 Concen: 19.648 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

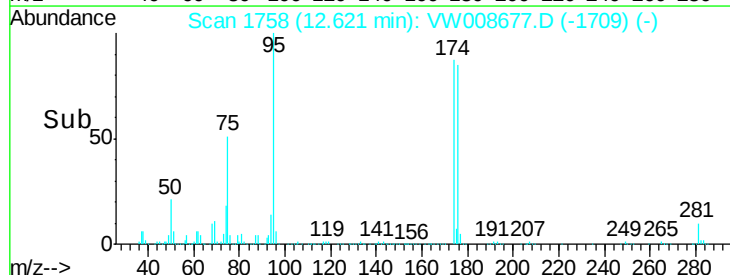
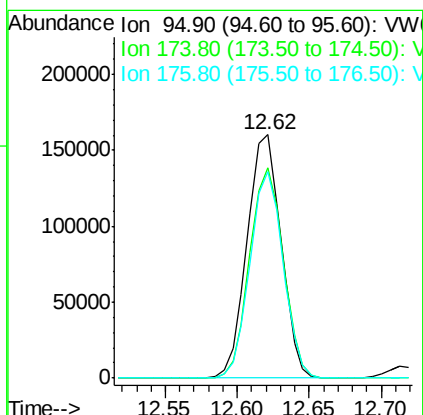
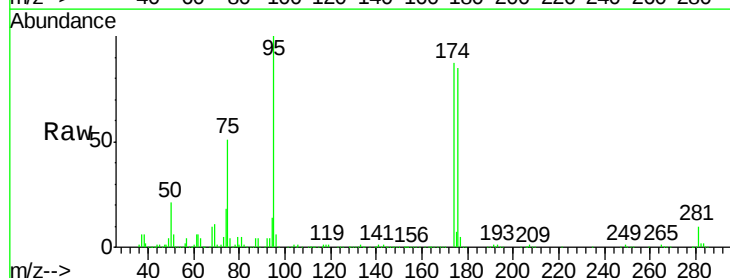
Instrument :
 MSVOA_W
 ClientSampleId :

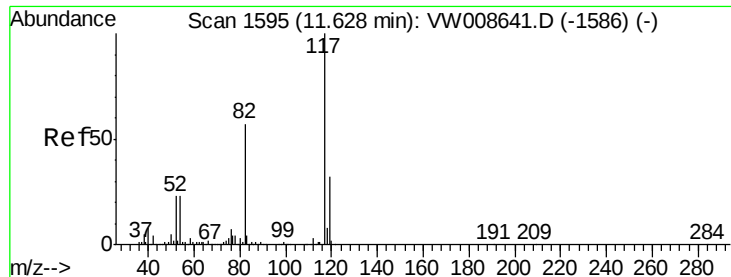
Tot Ion: 107 Resp: 59824
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.170 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion: 95 Resp: 261664
 Ion Ratio Lower Upper
 95 100
 174 85.7 0.0 163.2
 176 82.6 0.0 158.0

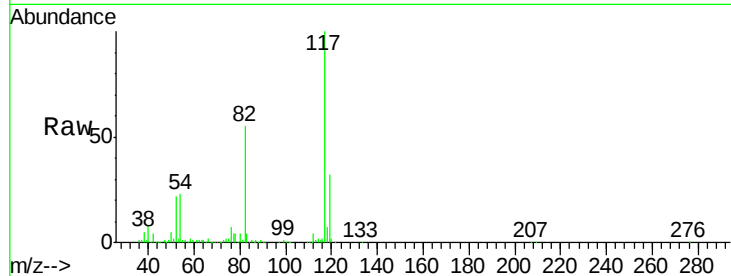




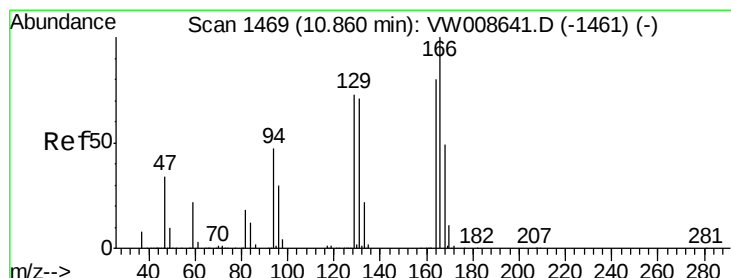
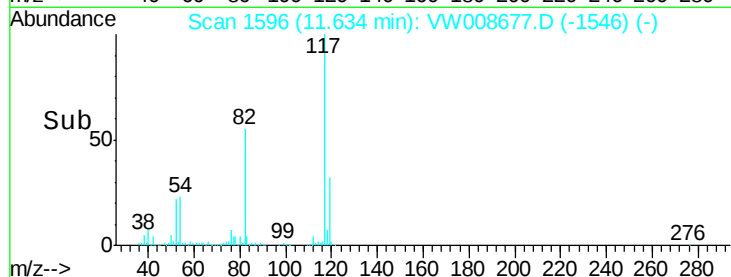
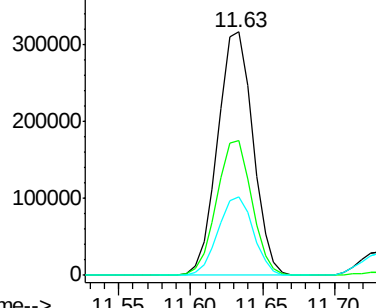
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 536472
Ion Ratio Lower Upper
117 100
82 55.1 45.6 68.4
119 32.4 25.7 38.5

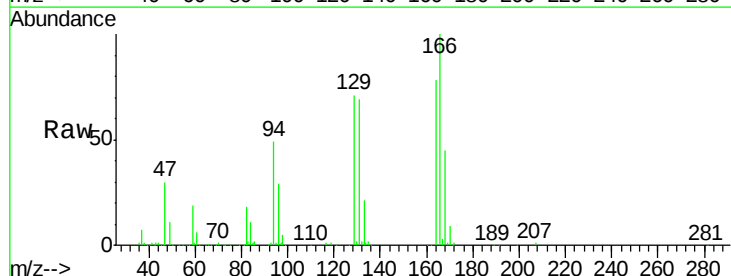


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

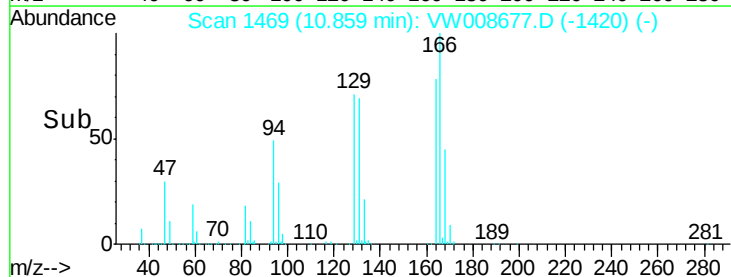
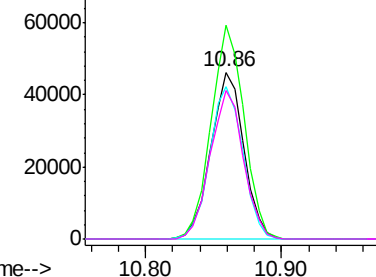


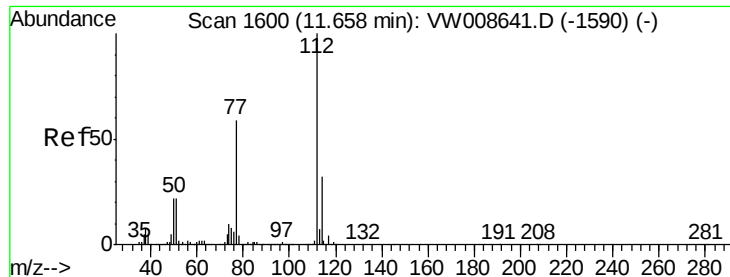
#64
Tetrachloroethene
Concen: 19.603 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion:164 Resp: 78203
Ion Ratio Lower Upper
164 100
166 128.0 100.2 150.2
129 91.3 73.6 110.4
131 88.9 70.7 106.1



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





#65

Chlorobenzene

Concen: 19.444 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

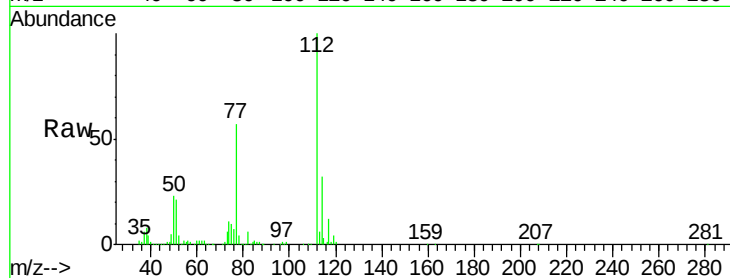
ClientSampleId :

Tot Ion:112 Resp: 224833

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

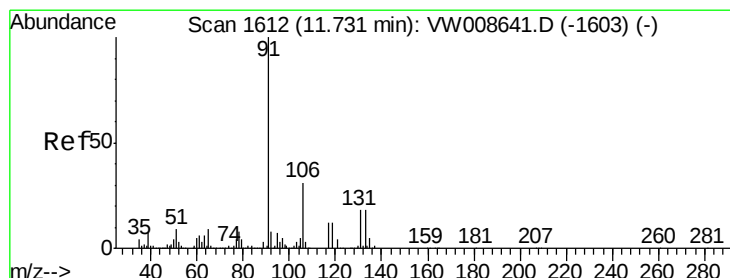
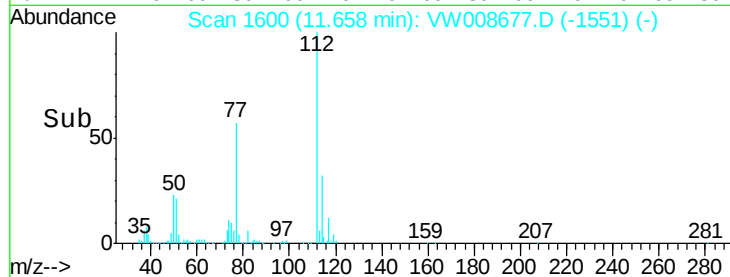
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.406 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

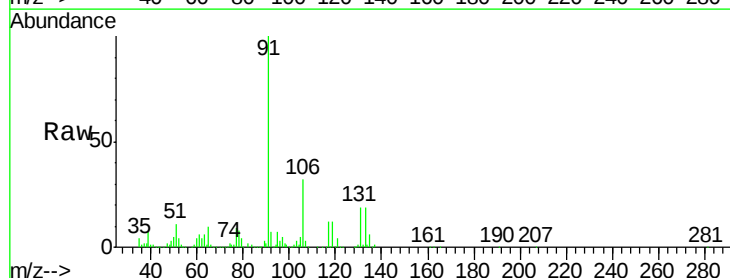
Tgt Ion:131 Resp: 79492

Ion Ratio Lower Upper

131 100

133 97.7 47.8 143.4

119 61.9 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

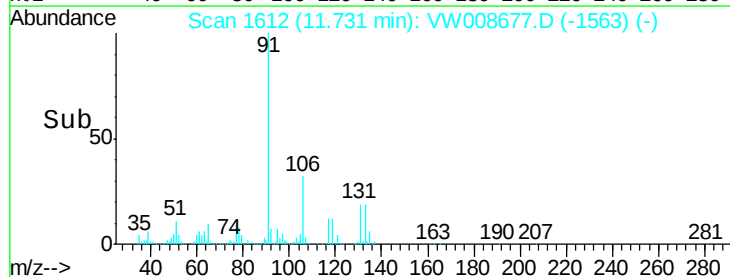
11.73

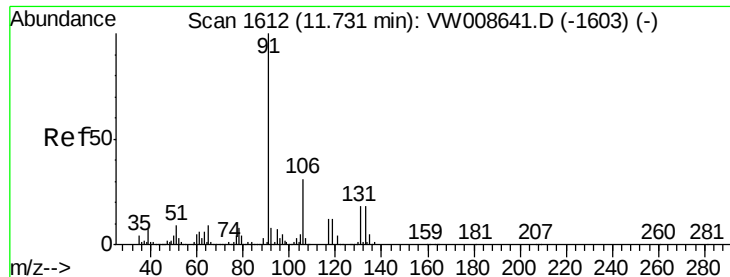
100000

50000

0

Time-->

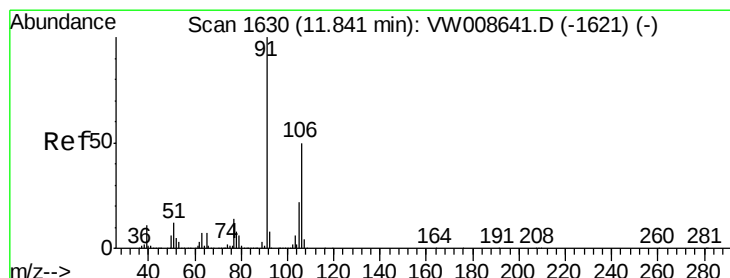
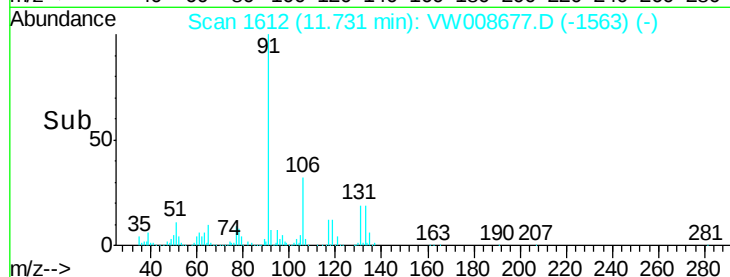
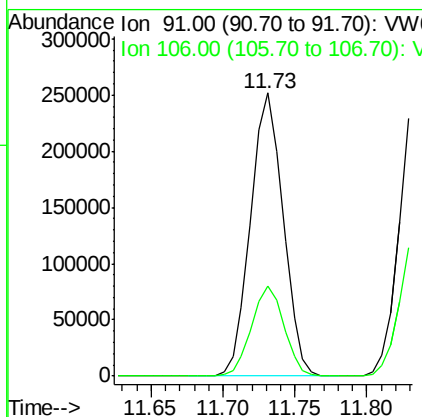
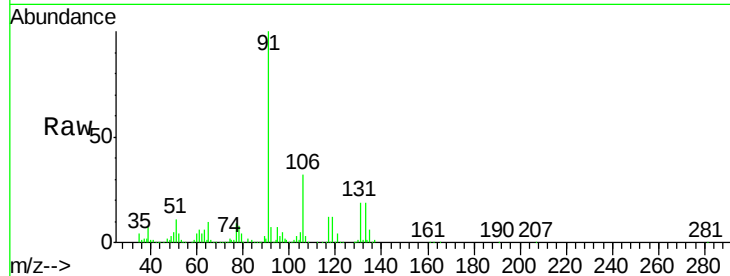




#67
Ethyl Benzene
Concen: 19.183 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

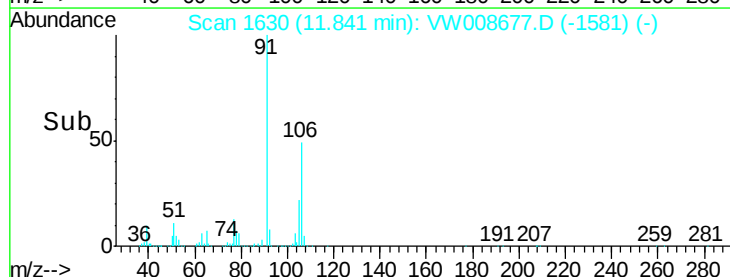
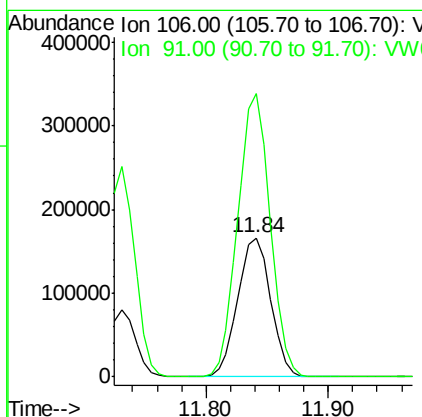
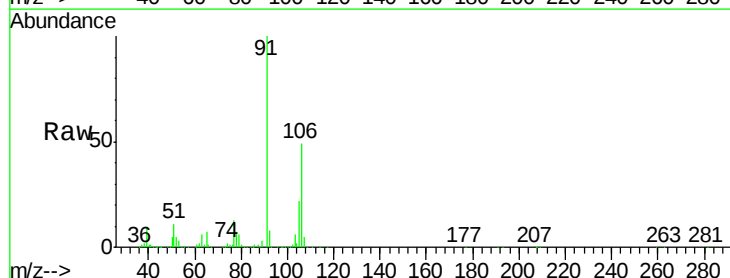
Instrument :
MSVOA_W
ClientSampleId :

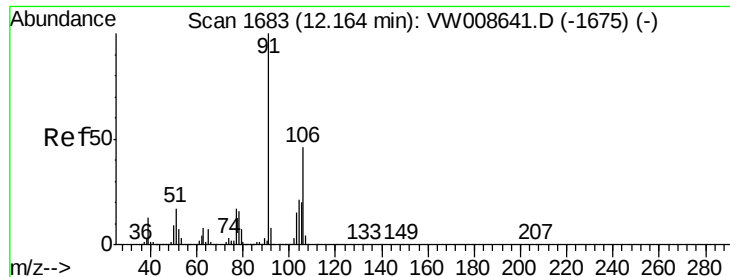
Tot Ion: 91 Resp: 395107
Ion Ratio Lower Upper
91 100
106 32.0 24.5 36.7



#68
m/p-Xylenes
Concen: 38.791 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 106 Resp: 310880
Ion Ratio Lower Upper
106 100
91 200.5 161.0 241.4

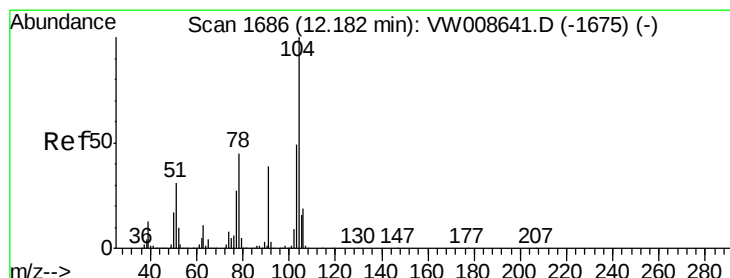
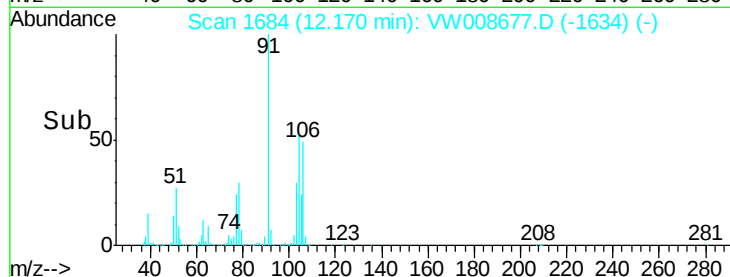
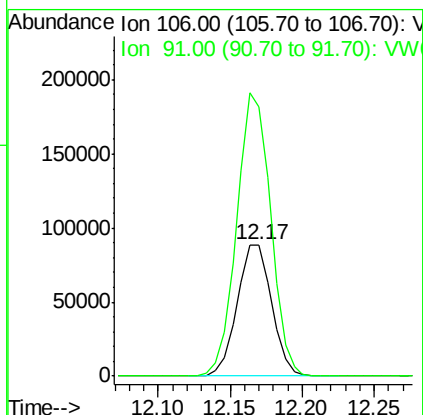
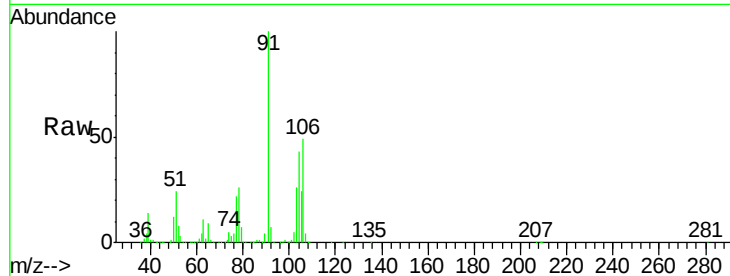




#69
o-Xylene
Concen: 19.479 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

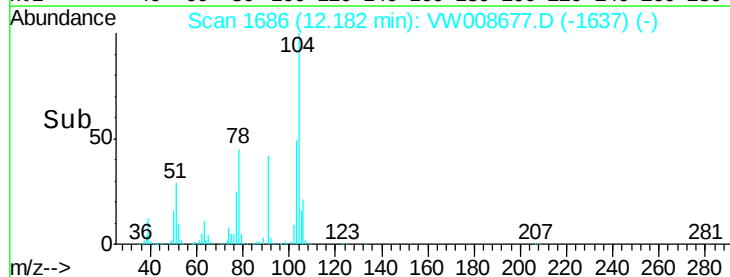
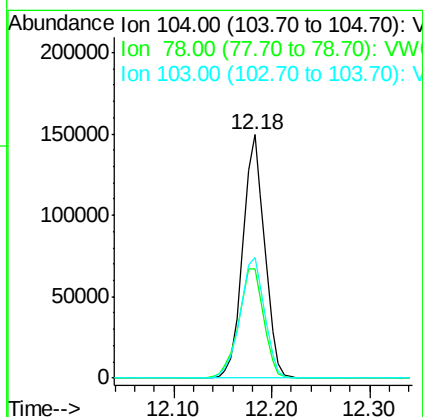
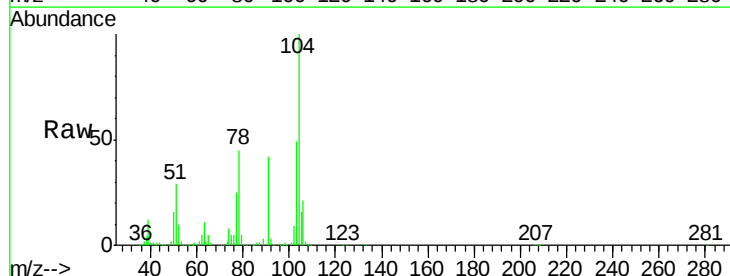
Instrument :
MSVOA_W
ClientSampleId :

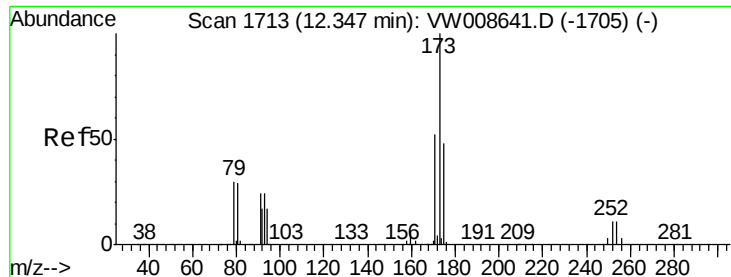
Tot Ion:106 Resp: 147561
Ion Ratio Lower Upper
106 100
91 212.1 106.7 320.1



#70
Styrene
Concen: 18.759 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion:104 Resp: 232102
Ion Ratio Lower Upper
104 100
78 51.7 41.5 62.3
103 55.4 43.5 65.3





#71

Bromoform

Concen: 18.907 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

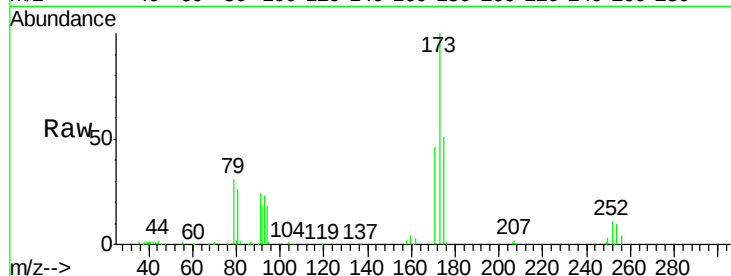
Tot Ion:173 Resp: 41729

Ion Ratio Lower Upper

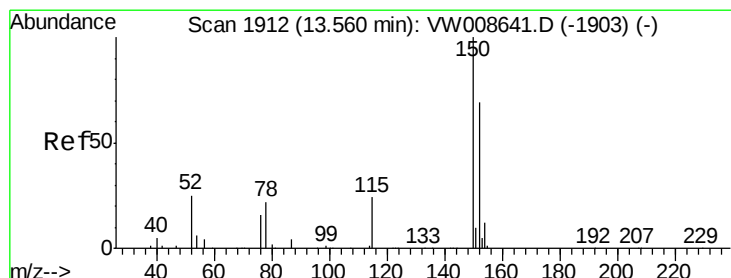
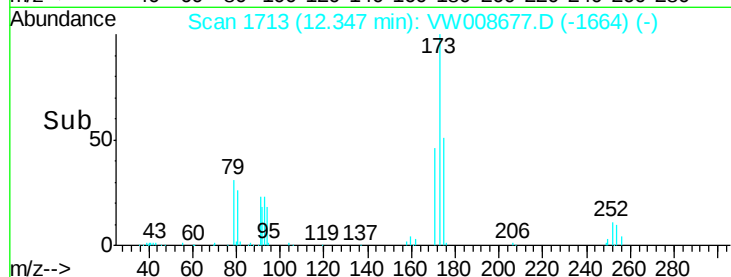
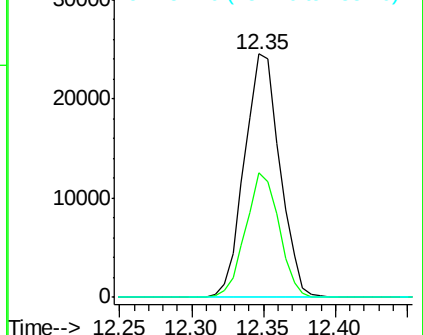
173 100

175 48.4 24.9 74.7

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

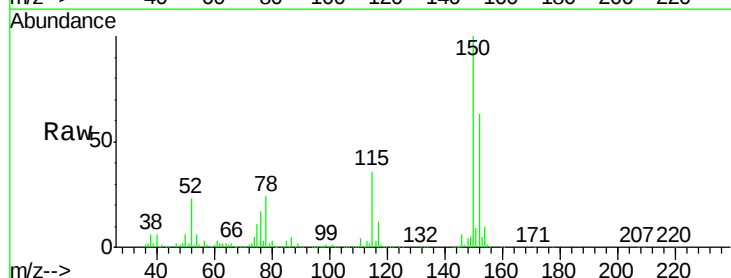
Tgt Ion:152 Resp: 285476

Ion Ratio Lower Upper

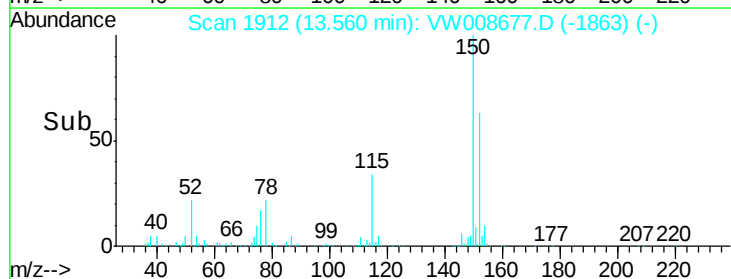
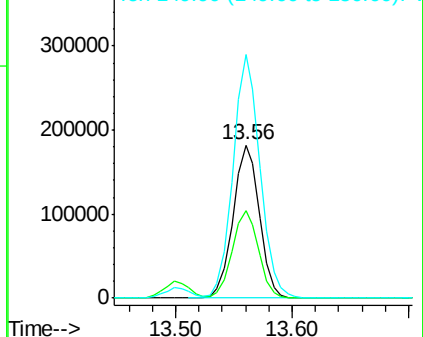
152 100

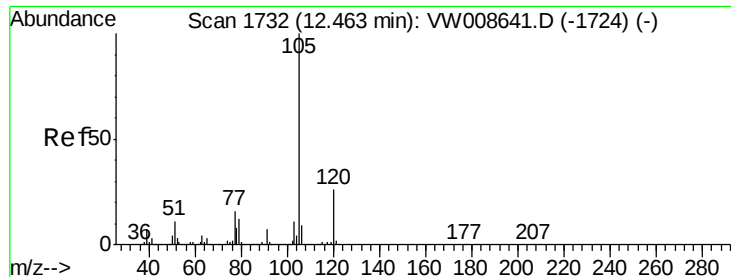
115 57.2 29.3 87.8

150 163.4 0.0 352.8



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: 18.928 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

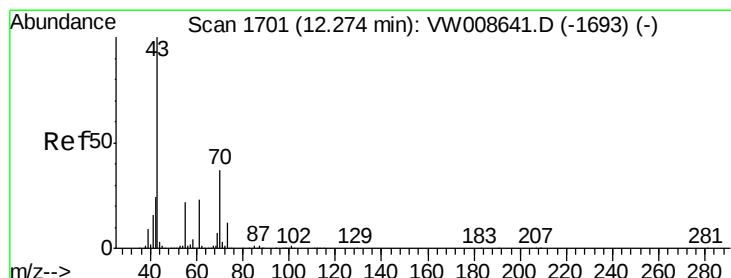
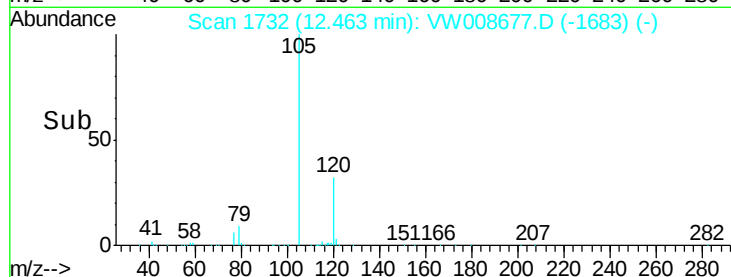
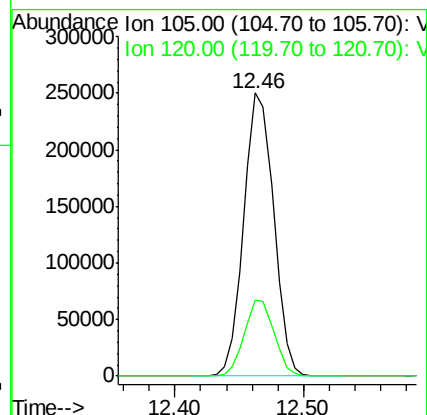
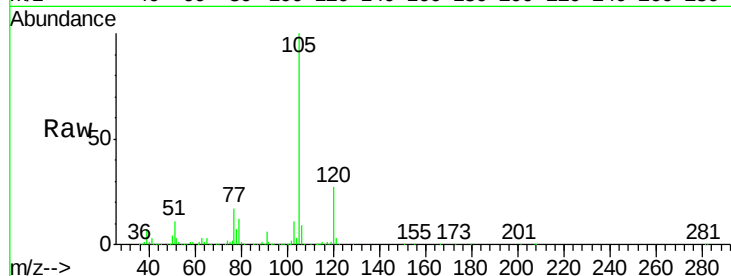
ClientSampled :

Tot Ion:105 Resp: 402498

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 18.375 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion: 43 Resp: 105660

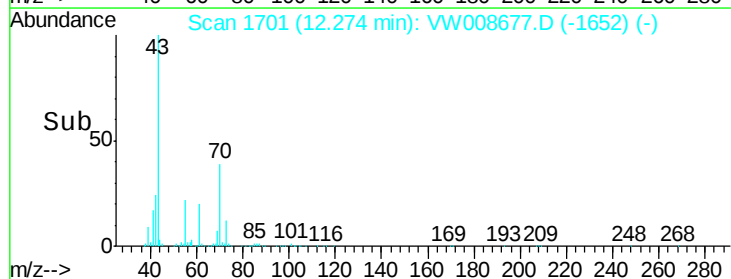
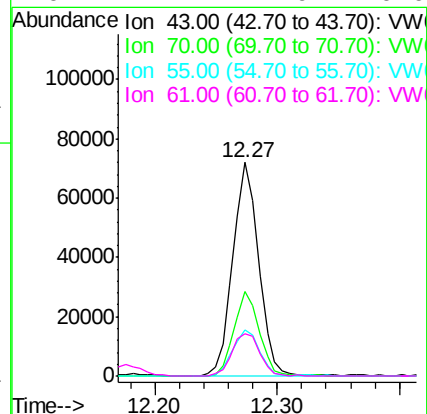
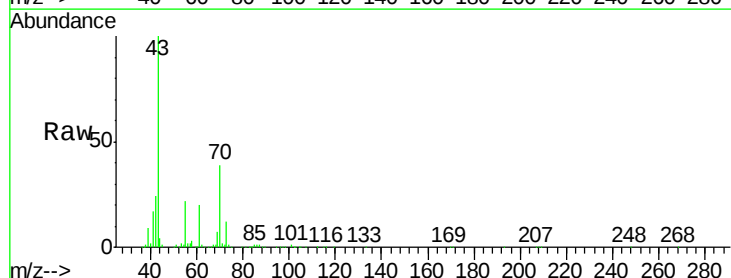
Ion Ratio Lower Upper

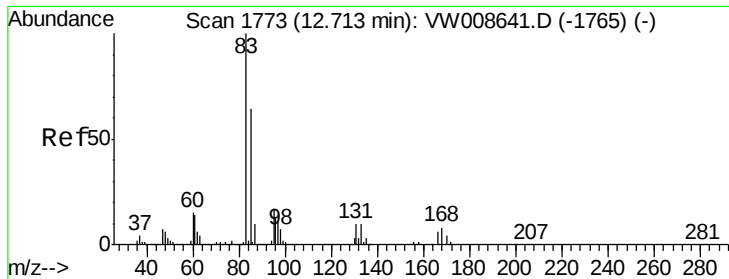
43 100

70 38.9 30.5 45.7

55 22.6 17.6 26.4

61 21.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.282 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

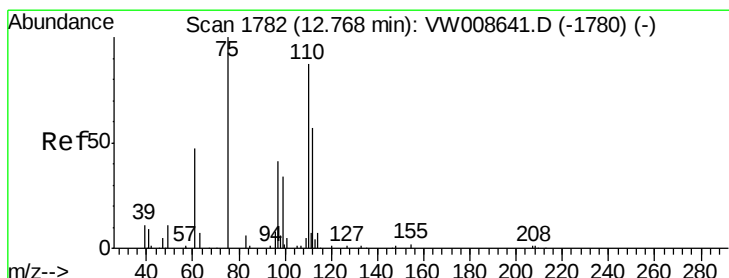
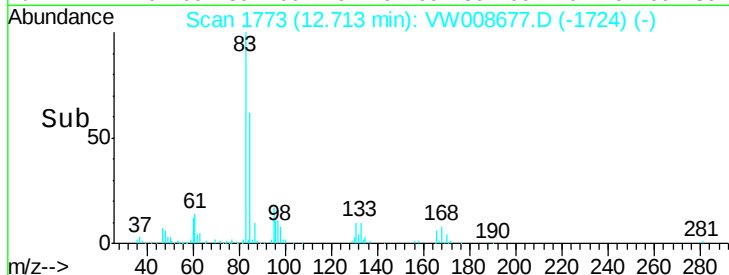
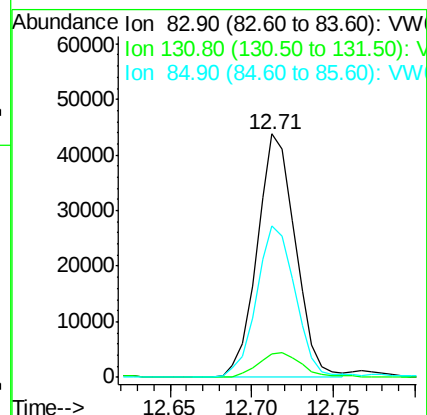
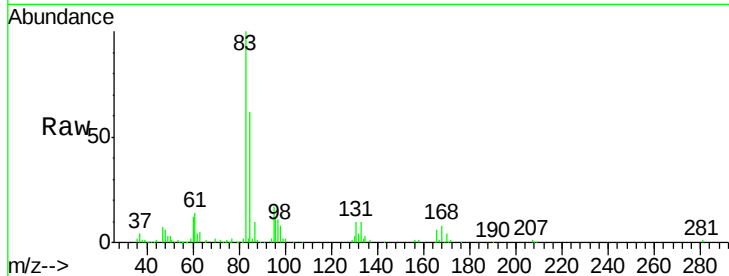
Tot Ion: 83 Resp: 71338

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.7

85 63.6 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 33.761 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008677.D

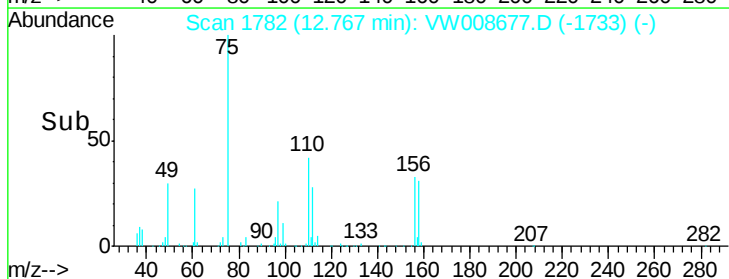
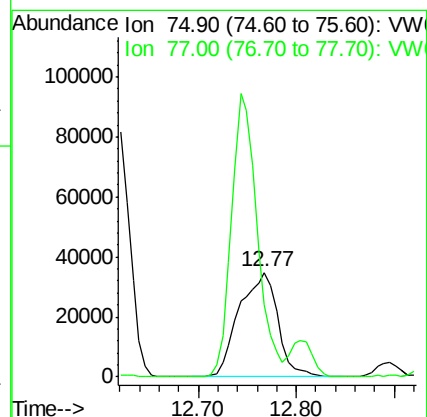
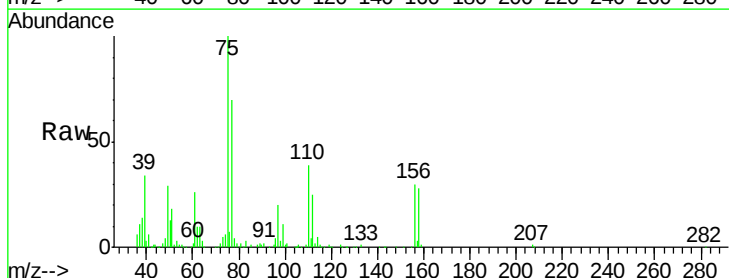
Acq: 15 Feb 2019 11:56

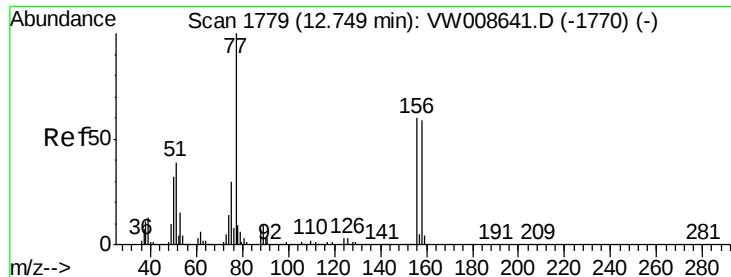
Tgt Ion: 75 Resp: 95171

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

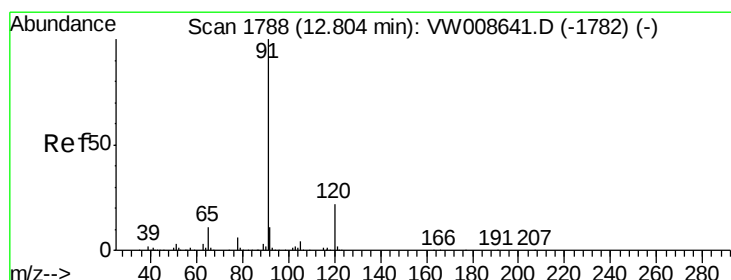
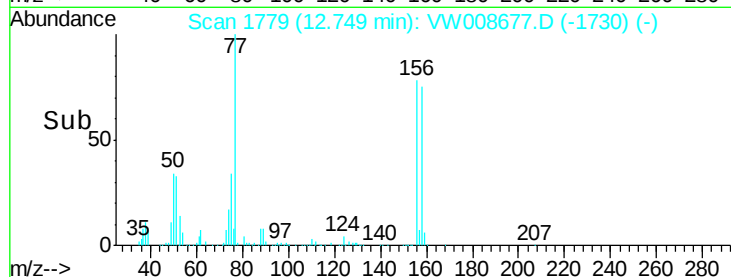
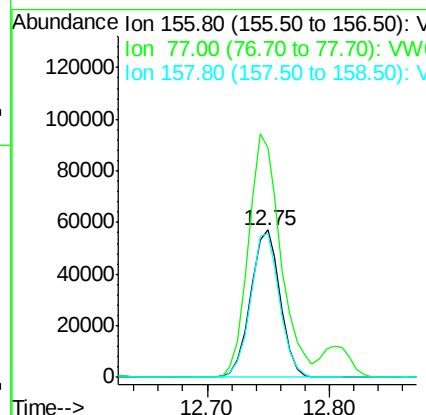
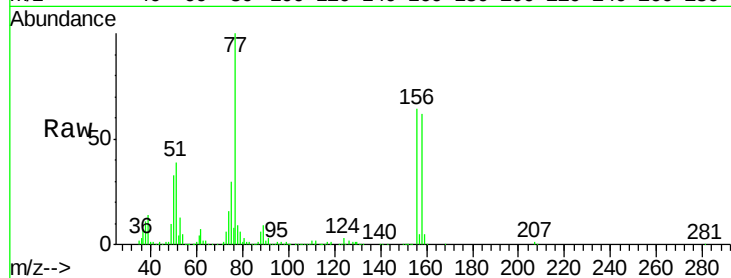




#77
Bromobenzene
Concen: 19.546 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

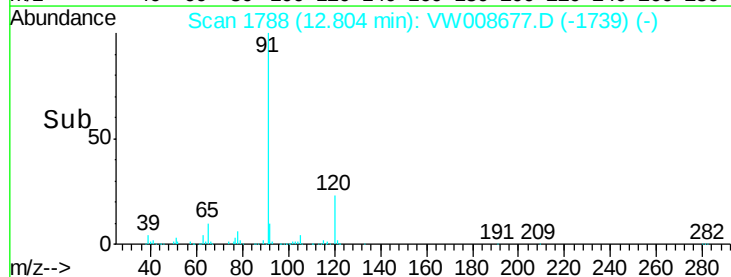
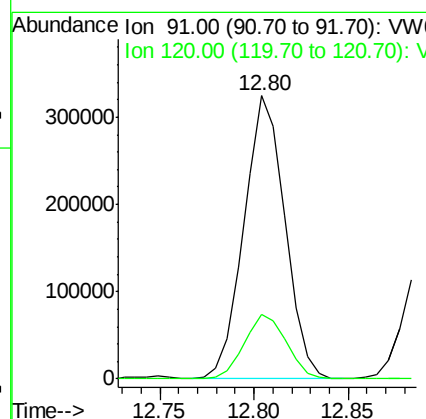
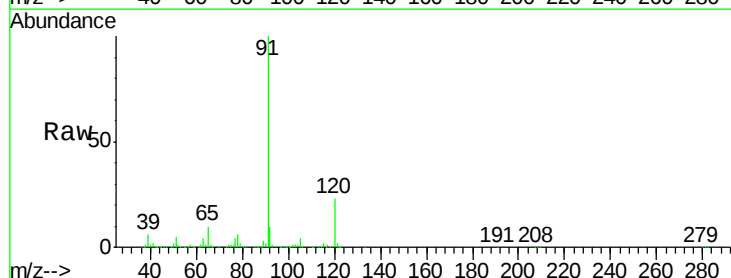
Instrument :
MSVOA_W
ClientSampled :

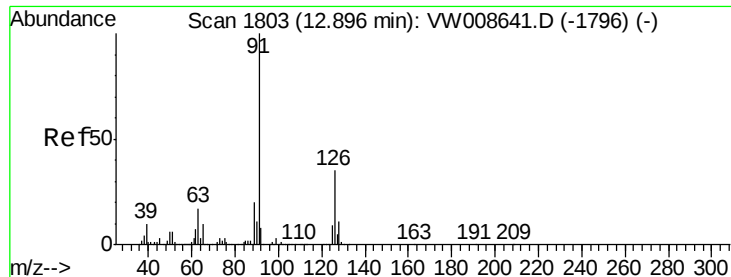
Tot Ion:156 Resp: 95540
Ion Ratio Lower Upper
156 100
77 181.1 93.2 279.5
158 96.3 48.5 145.5



#78
n-propylbenzene
Concen: 19.349 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 91 Resp: 488882
Ion Ratio Lower Upper
91 100
120 23.4 11.4 34.2





#79

2-Chlorotoluene

Concen: 19.161 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

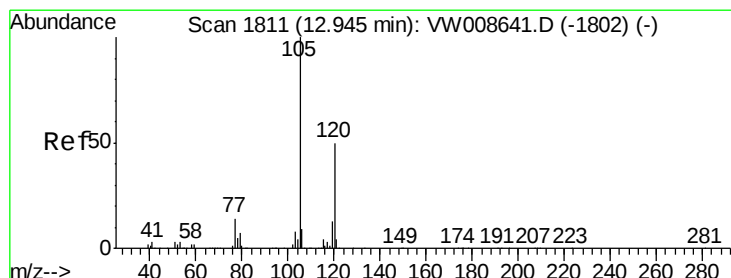
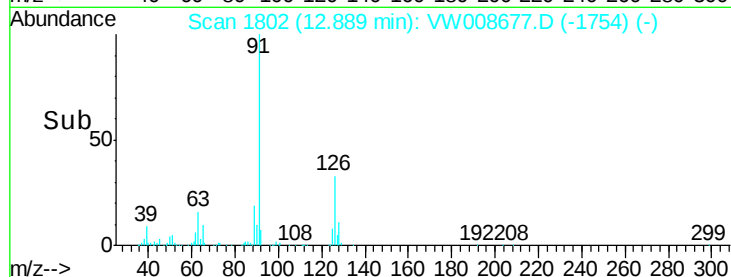
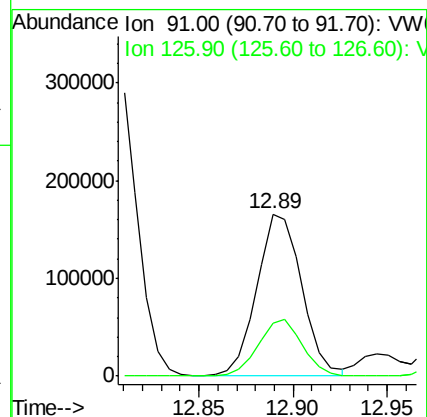
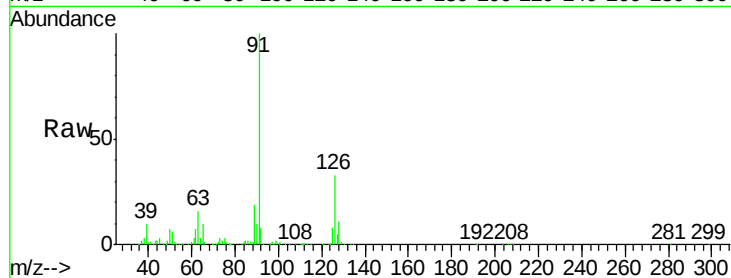
ClientSampleId :

Tot Ion: 91 Resp: 273611

Ion Ratio Lower Upper

91 100

126 34.1 17.0 50.9



#80

1,3,5-Trimethylbenzene

Concen: 19.057 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008677.D

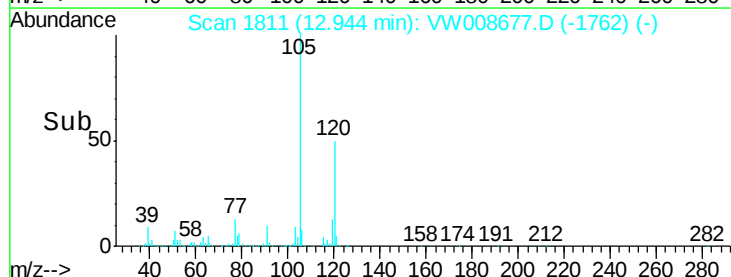
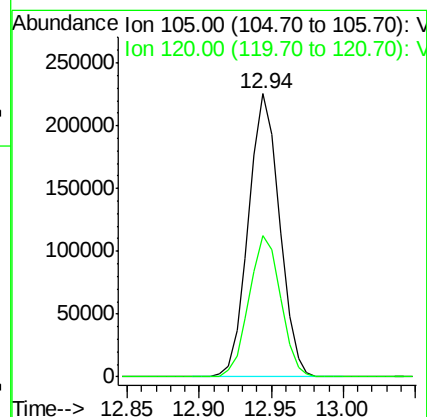
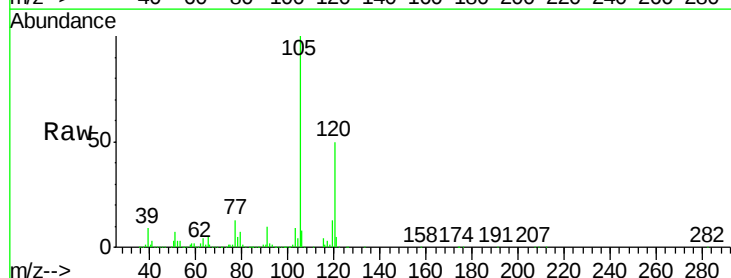
Acq: 15 Feb 2019 11:56

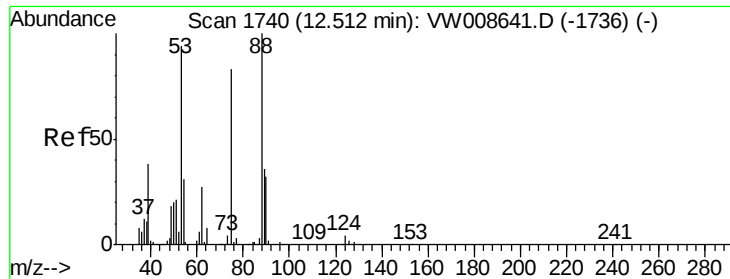
Tgt Ion: 105 Resp: 336588

Ion Ratio Lower Upper

105 100

120 50.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.121 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

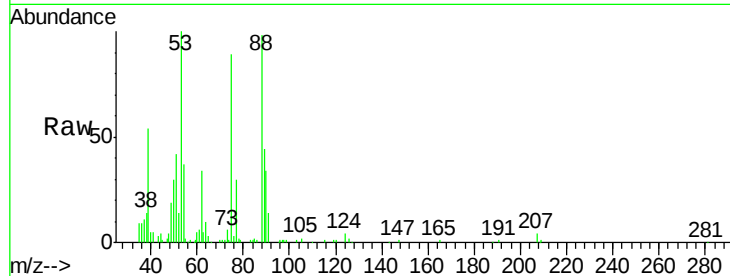
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 19659

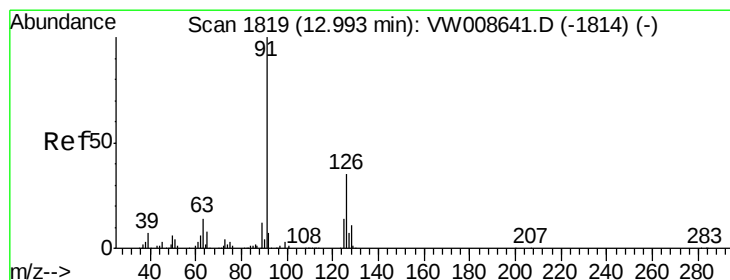
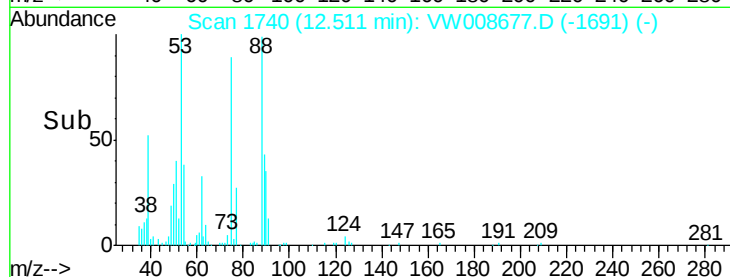
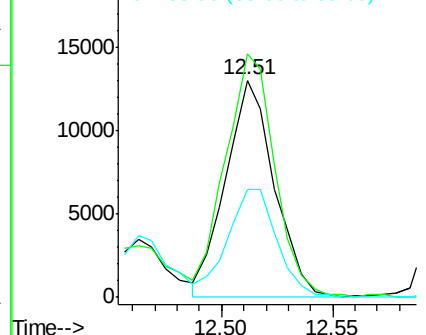
Ion	Ratio	Lower	Upper
75	100		
53	114.3	87.4	131.0
89	51.2	37.0	55.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 18.805 ug/l

RT: 12.99 min Scan# 1818

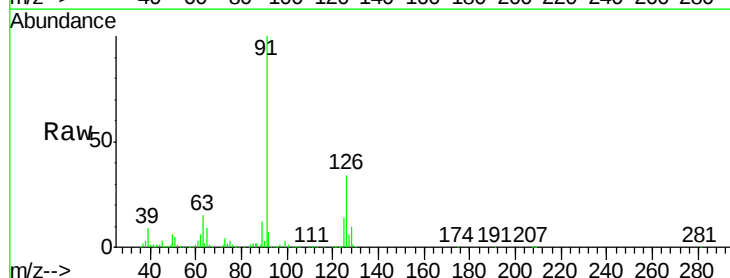
Delta R.T. -0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

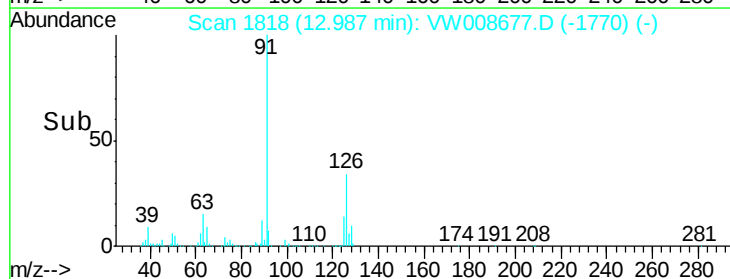
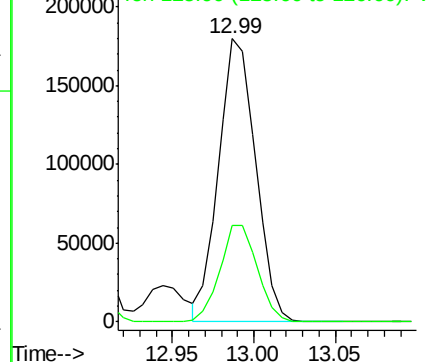
Tgt Ion: 91 Resp: 284583

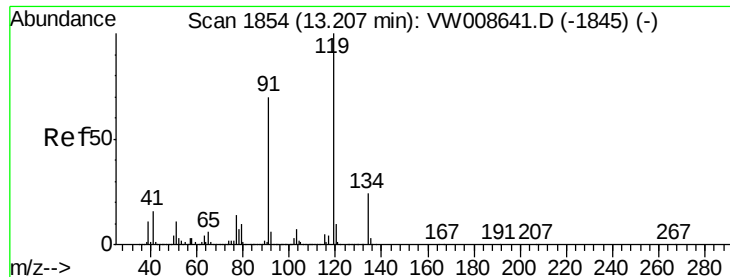
Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.9	50.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

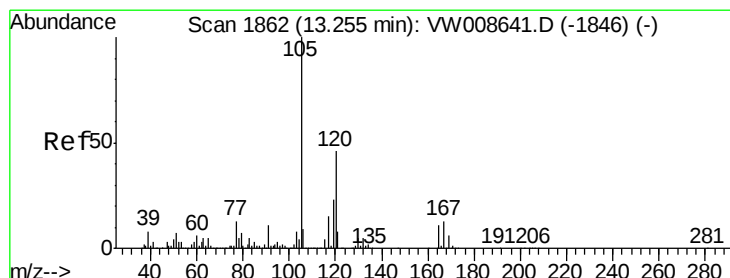
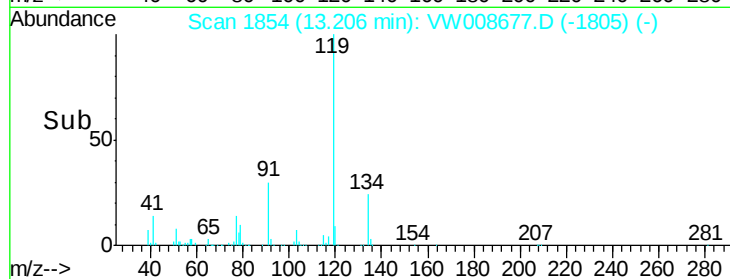
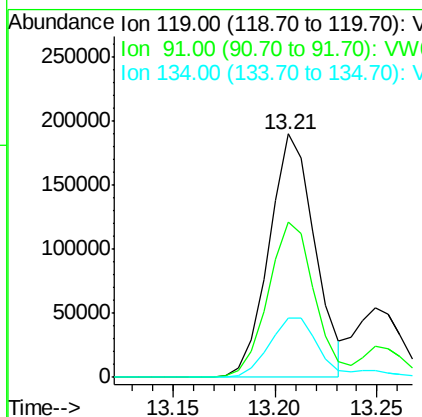
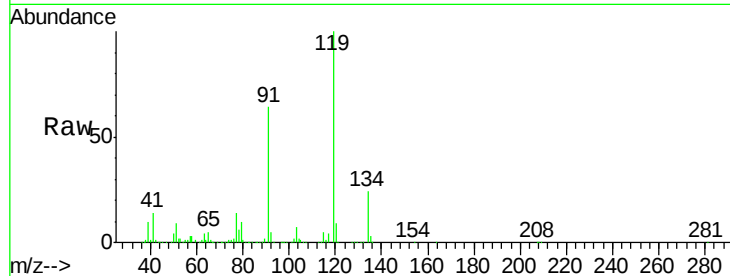




#83
 tert-Butylbenzene
 Concen: 19.407 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

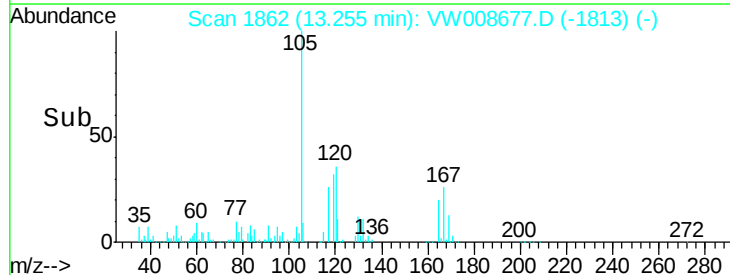
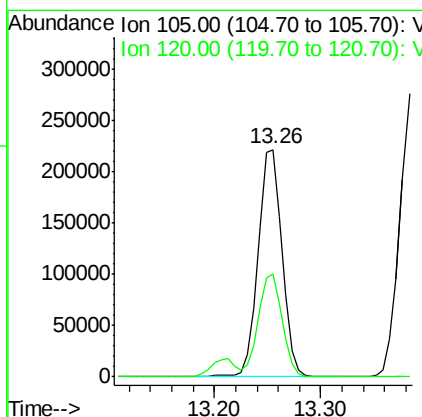
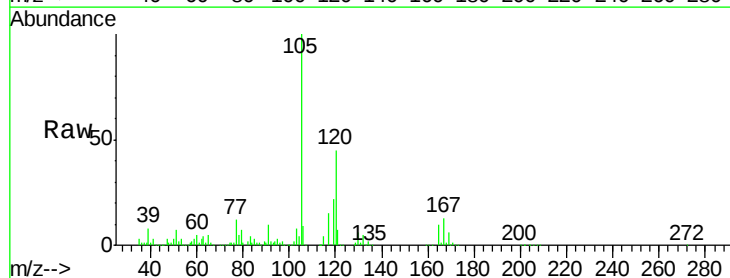
Instrument :
 MSVOA_W
 ClientSampled :

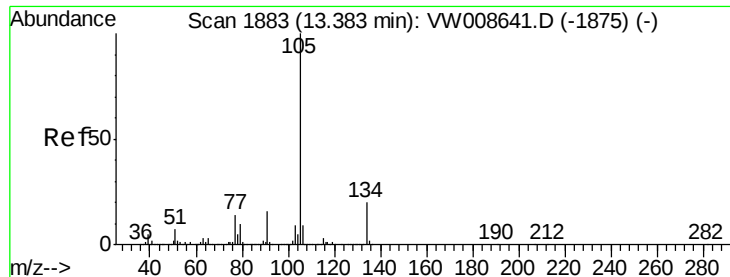
Tot Ion:119 Resp: 297645
 Ion Ratio Lower Upper
 119 100
 91 65.1 34.0 102.0
 134 25.9 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.322 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion:105 Resp: 350769
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.8

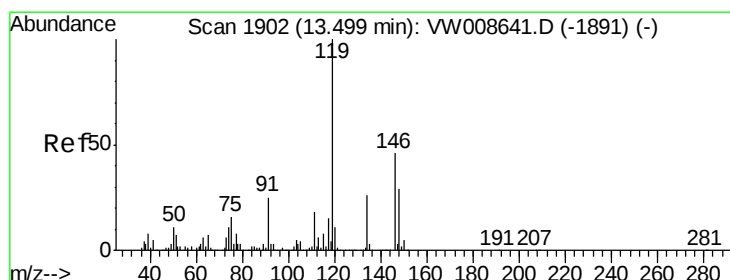
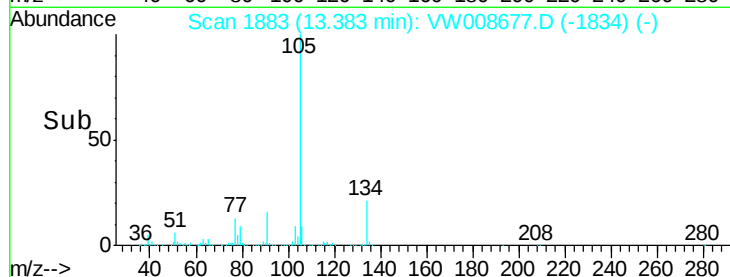
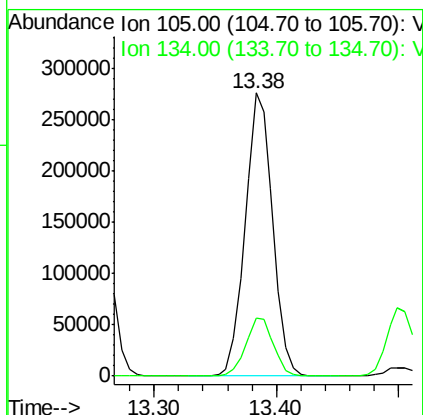
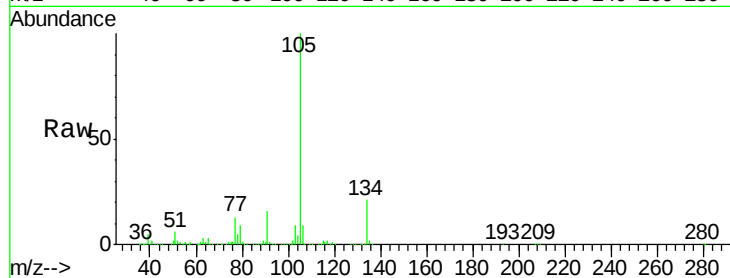




#85
 sec-Butylbenzene
 Concen: 19.223 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

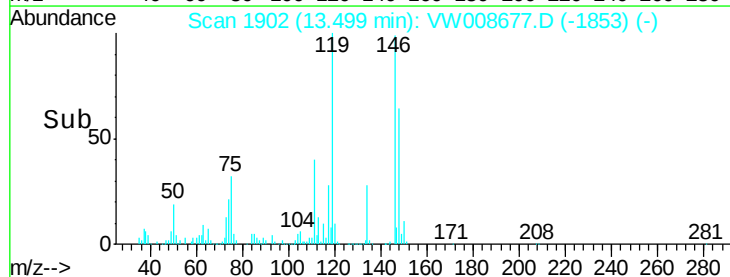
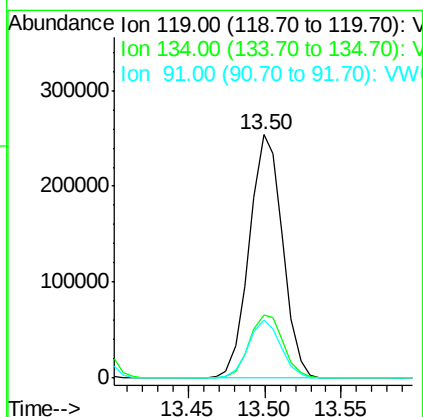
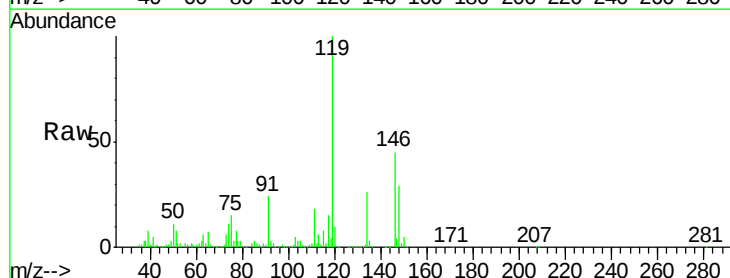
Instrument :
 MSVOA_W
 ClientSampled :

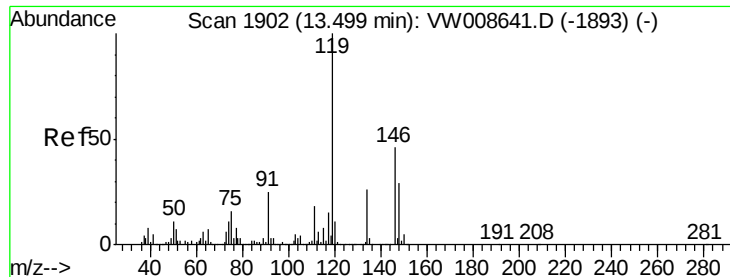
Tot Ion:105 Resp: 429277
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.223 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion:119 Resp: 384020
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 39.0
 91 23.2 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.268 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

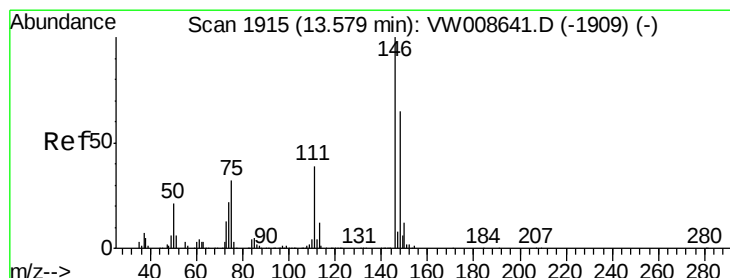
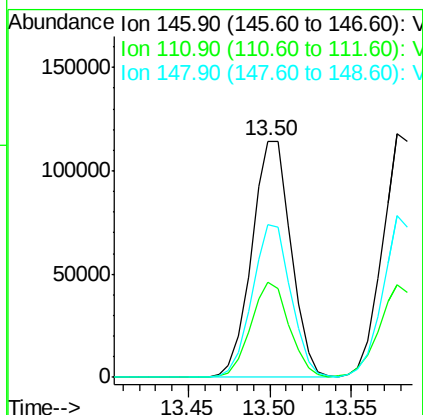
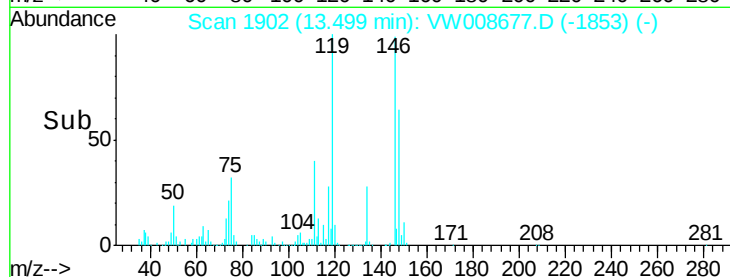
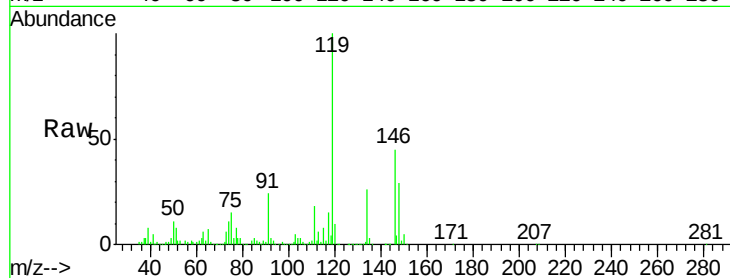
Tot Ion:146 Resp: 190931

Ion Ratio Lower Upper

146 100

111 39.5 19.4 58.1

148 63.7 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 19.524 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

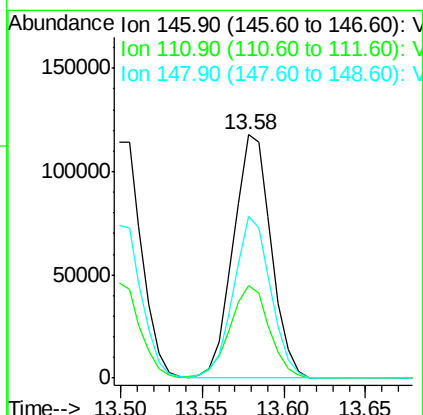
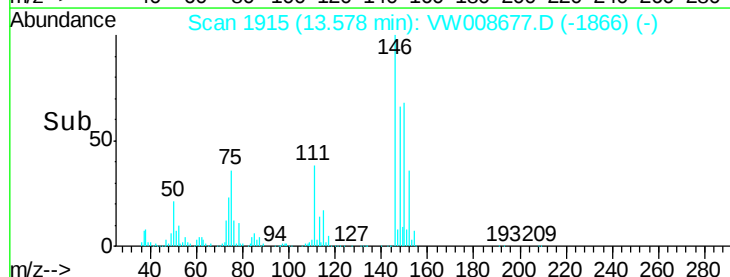
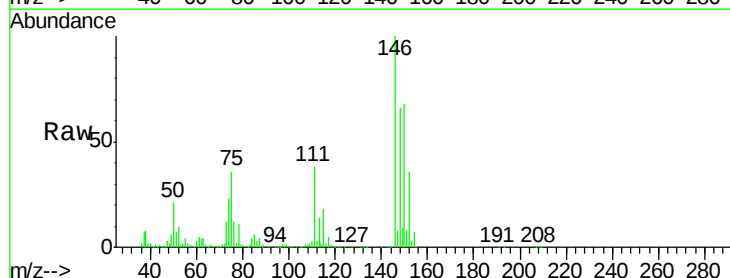
Tgt Ion:146 Resp: 190667

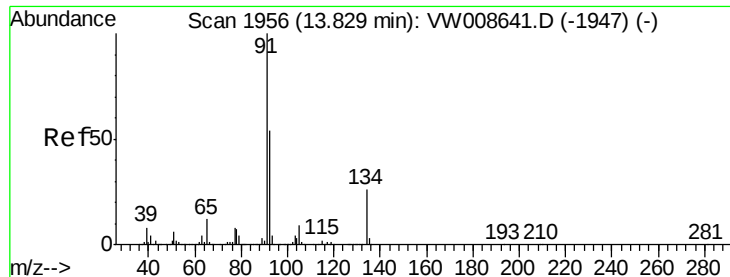
Ion Ratio Lower Upper

146 100

111 39.9 19.4 58.1

148 65.1 31.8 95.4





#89

n-Butylbenzene

Concen: 19.225 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

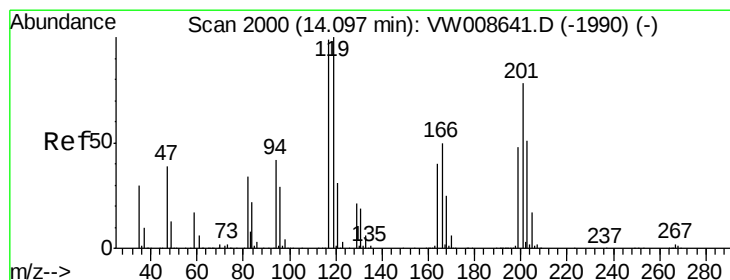
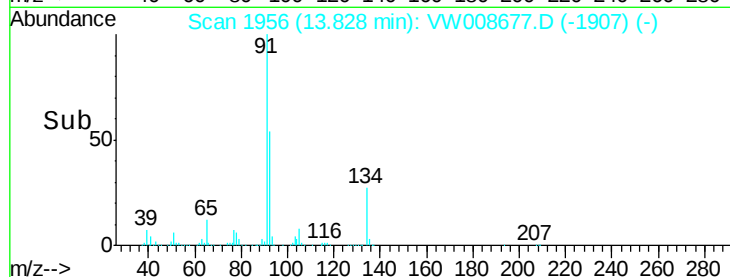
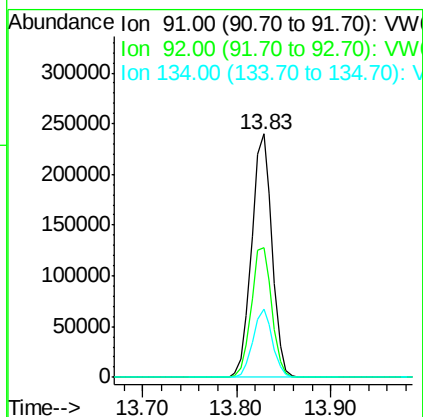
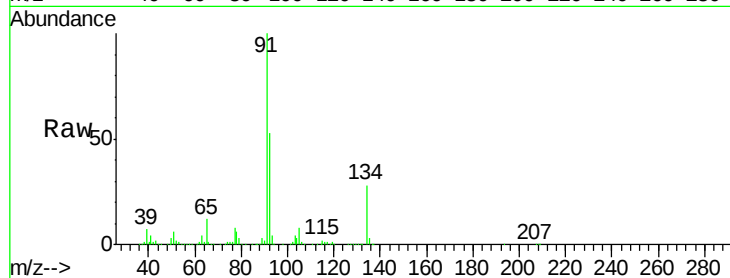
Tot Ion: 91 Resp: 364968

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

134 26.8 13.0 39.0



#90

Hexachloroethane

Concen: 19.173 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008677.D

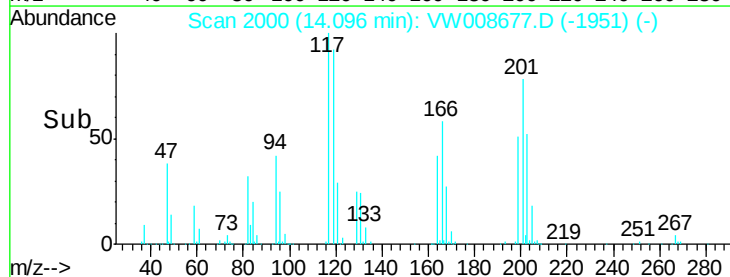
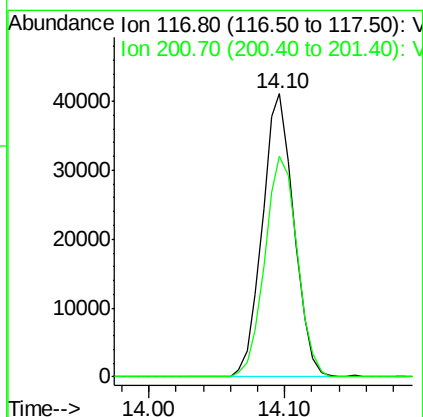
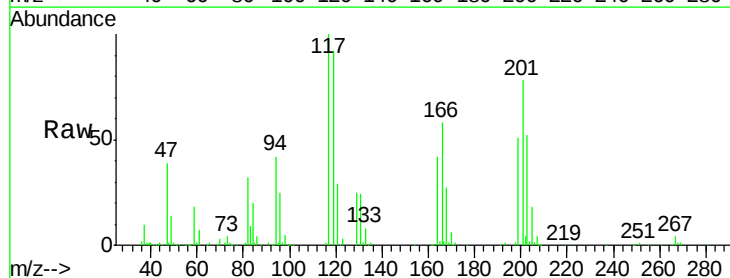
Acq: 15 Feb 2019 11:56

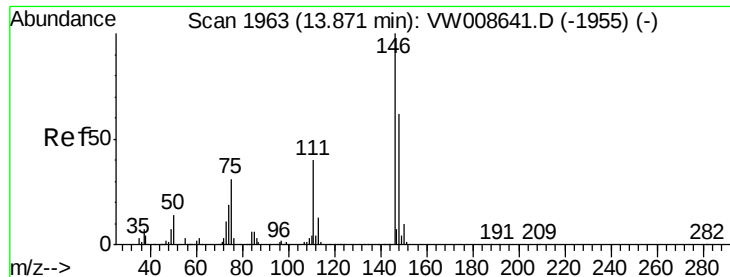
Tgt Ion: 117 Resp: 66918

Ion Ratio Lower Upper

117 100

201 80.0 38.7 116.1





#91

1,2-Dichlorobenzene

Concen: 19.448 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

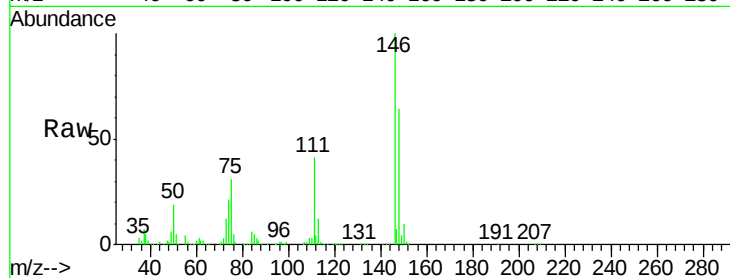
Tot Ion:146 Resp: 170739

Ion Ratio Lower Upper

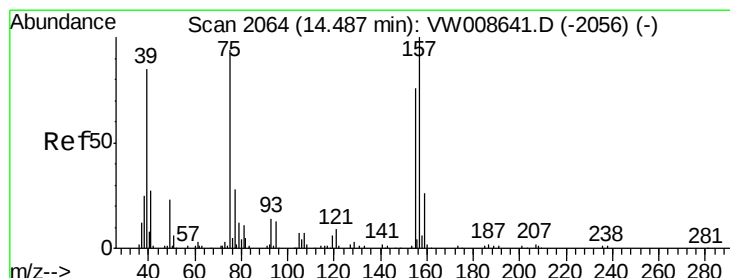
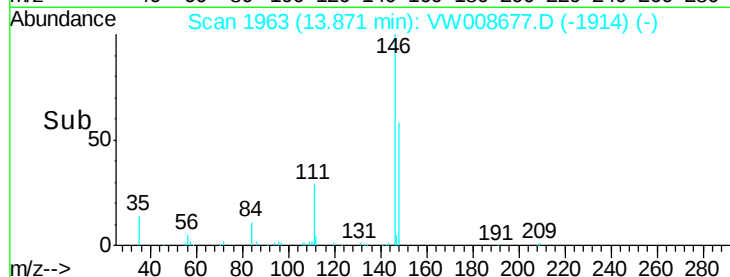
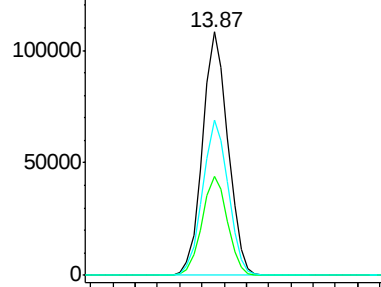
146 100

111 40.7 20.5 61.5

148 64.3 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.072 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

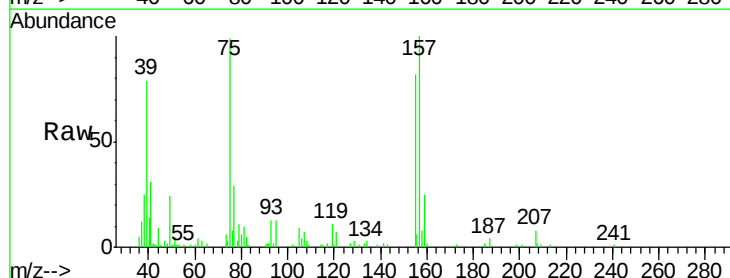
Tgt Ion: 75 Resp: 12262

Ion Ratio Lower Upper

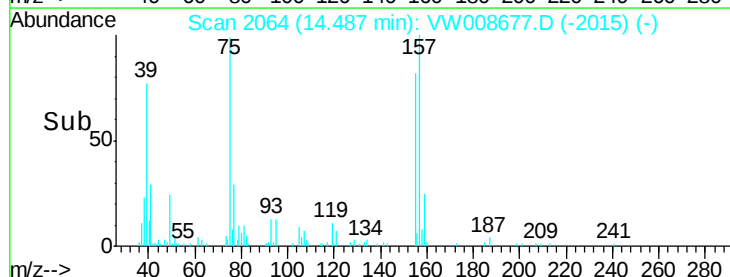
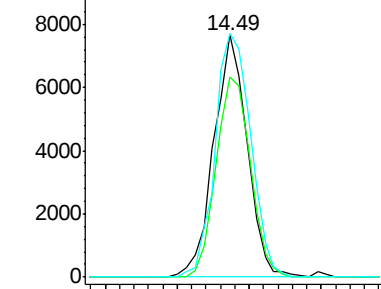
75 100

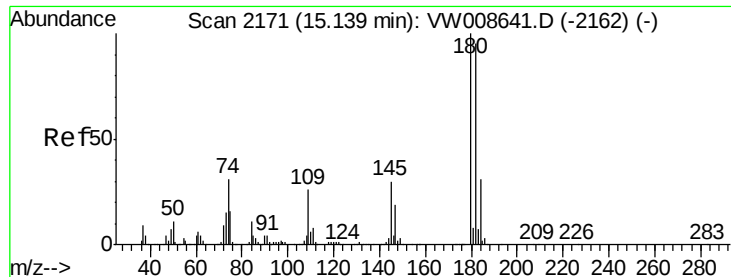
155 84.6 41.8 125.4

157 106.9 53.8 161.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

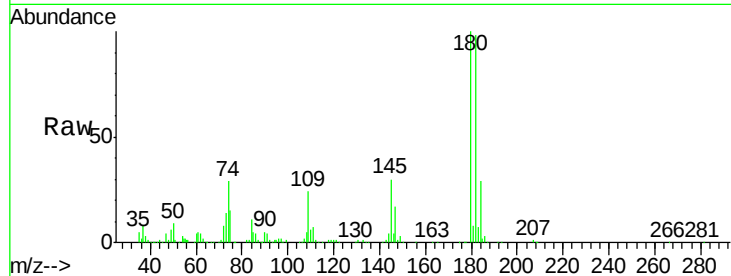




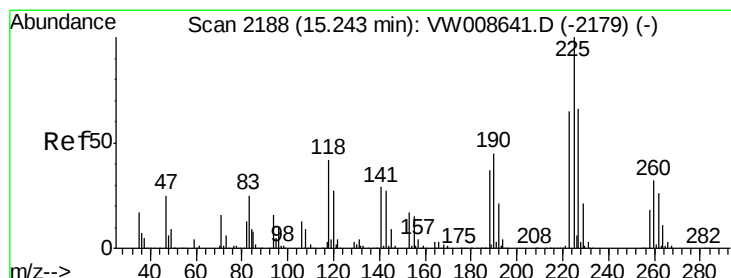
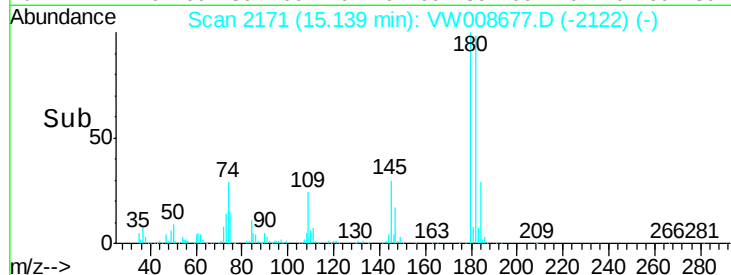
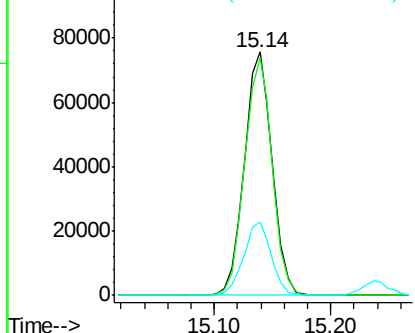
#93
 1,2,4-Trichlorobenzene
 Concen: 20.068 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.5
145	29.9	15.1	45.3

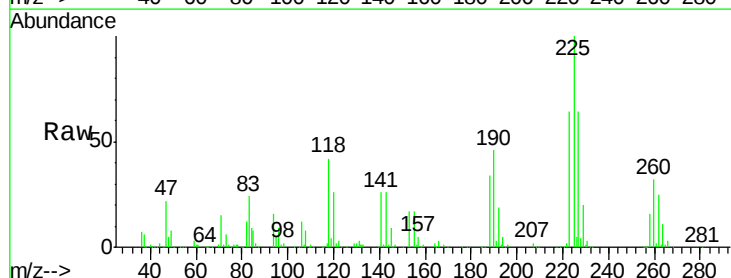


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

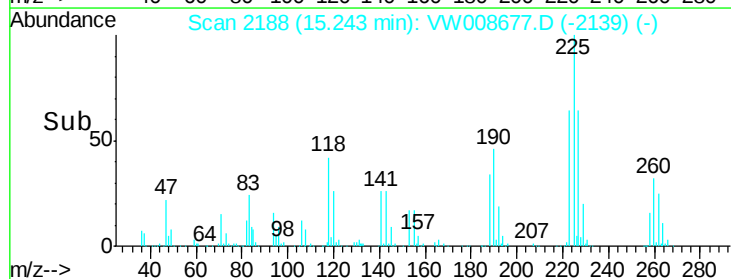
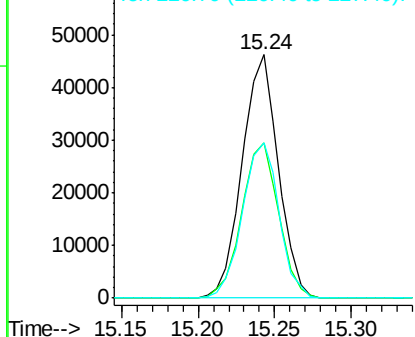


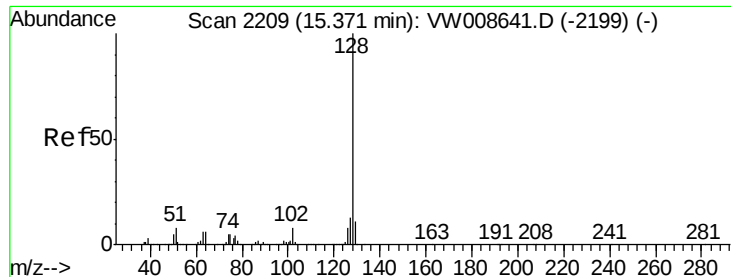
#94
 Hexachlorobutadiene
 Concen: 20.846 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.4	94.3
227	64.5	32.4	97.0



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

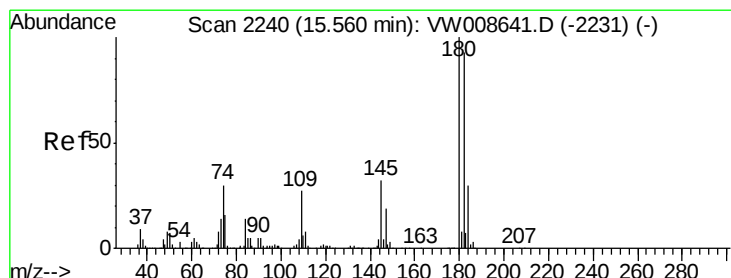
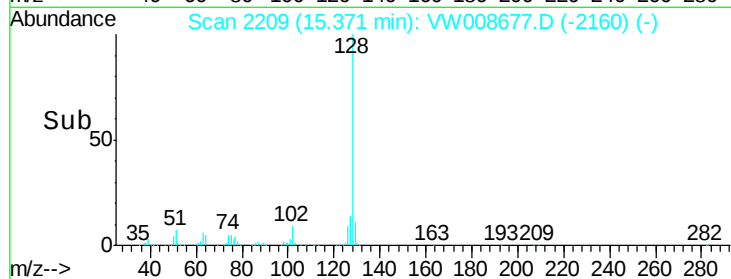
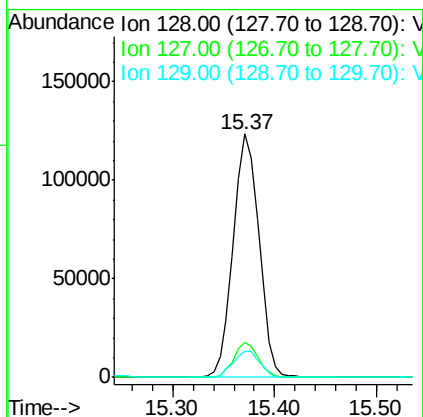
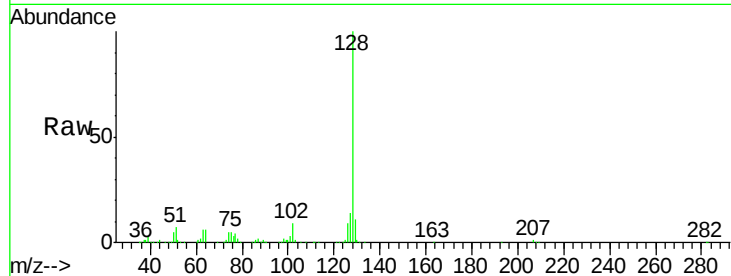




#95
Naphthalene
Concen: 19.324 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 216418
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.294 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion:180 Resp: 108832
Ion Ratio Lower Upper
180 100
182 95.5 47.5 142.5
145 31.4 15.9 47.7

