

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004589.D
 Acq On : 10 Aug 2018 11:48
 Operator : SY/AP
 Sample : VW0813SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

Quant Time: Aug 11 00:58:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	691925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1040341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	976095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	519053	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	350456	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.88	113	350882	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.33	98	1398917	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.62	95	491532	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	110772	23.328 ug/l	98
3) Chloromethane	2.21	50	145168	21.944 ug/l	100
4) Vinyl Chloride	2.37	62	209716	22.694 ug/l	98
5) Bromomethane	2.78	94	119982	22.298 ug/l	97
6) Chloroethane	2.93	64	122891	22.255 ug/l	97
7) Trichlorofluoromethane	3.26	101	93464	27.384 ug/l	100
8) Diethyl Ether	3.68	74	79170	18.337 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	162262	21.524 ug/l	99
10) Methyl Iodide	4.26	142	235604	20.831 ug/l	99
11) Tert butyl alcohol	5.22	59	35802	79.831 ug/l	98
12) 1,1-Dichloroethene	4.03	96	154582	20.372 ug/l	98
13) Acrolein	3.90	56	50049	91.083 ug/l	96
14) Allyl chloride	4.66	41	235388	20.648 ug/l	99
15) Acrylonitrile	5.37	53	157297	81.981 ug/l	98
16) Acetone	4.14	43	188784	98.695 ug/l	100
17) Carbon Disulfide	4.37	76	528943	21.691 ug/l	97
18) Methyl Acetate	4.68	43	70426	14.765 ug/l	98
19) Methyl tert-butyl Ether	5.42	73	179697	17.362 ug/l	94
20) Methylene Chloride	4.91	84	205388	15.950 ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	160894	19.676 ug/l	99
22) Diisopropyl ether	6.31	45	468452	19.996 ug/l	97
23) Vinyl Acetate	6.26	43	1189030	84.447 ug/l	99
24) 1,1-Dichloroethane	6.21	63	297026	19.807 ug/l	98
25) 2-Butanone	7.18	43	241544	78.502 ug/l	99
26) 2,2-Dichloropropane	7.17	77	177462	22.548 ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	172325	19.587 ug/l	99
28) Bromochloromethane	7.51	49	121532	18.627 ug/l	99
29) Tetrahydrofuran	7.54	42	116436	73.199 ug/l	100
30) Chloroform	7.68	83	290385	19.715 ug/l	99
31) Cyclohexane	7.96	56	290637	20.256 ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	236370	21.364 ug/l	99
36) 1,1-Dichloropropene	8.09	75	231419	20.660 ug/l	99
37) Ethyl Acetate	7.26	43	82265	15.681 ug/l	99
38) Carbon Tetrachloride	8.07	117	217759	21.603 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	284827	20.745	ug/l	97
40) Benzene	8.33	78	675474	20.535	ug/l	100
41) Methacrylonitrile	7.49	41	52225	17.823	ug/l	93
42) 1,2-Dichloroethane	8.40	62	170091	18.690	ug/l	100
43) Isopropyl Acetate	8.43	43	145773	15.941	ug/l	97
44) Trichloroethene	9.10	130	163825	20.268	ug/l	99
45) 1,2-Dichloropropane	9.37	63	163724	19.875	ug/l	100
46) Dibromomethane	9.46	93	77557	18.494	ug/l	98
47) Bromodichloromethane	9.65	83	188068	18.999	ug/l	98
48) Methyl methacrylate	9.44	41	69539	16.270	ug/l	98
49) 1,4-Dioxane	9.48	88	21965	343.316	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	506305	79.540	ug/l	100
52) Toluene	10.39	92	407924	21.030	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	183478	18.460	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	224900	19.416	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109856	18.277	ug/l	100
56) Ethyl methacrylate	10.65	69	118493	16.466	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189450	18.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	297174	83.922	ug/l	99
59) 2-Hexanone	10.98	43	347800	80.588	ug/l	98
60) Dibromochloromethane	11.13	129	119260	18.243	ug/l	99
61) 1,2-Dibromoethane	11.24	107	102317	18.119	ug/l	97
64) Tetrachloroethene	10.87	164	136954	20.113	ug/l	97
65) Chlorobenzene	11.66	112	437715	20.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	144105	19.676	ug/l	99
67) Ethyl Benzene	11.74	91	754072	20.679	ug/l	98
68) m/p-Xylenes	11.85	106	602935	42.783	ug/l	98
69) o-Xylene	12.17	106	270468	20.694	ug/l	100
70) Styrene	12.19	104	454527	20.583	ug/l	100
71) Bromoform	12.35	173	69194	17.187	ug/l	99
73) Isopropylbenzene	12.47	105	751507	20.932	ug/l	100
74) N-amyl acetate	12.28	43	139459	16.019	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	131575	17.556	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	163772	30.492	ug/l #	100
77) Bromobenzene	12.76	156	173717	19.999	ug/l	98
78) n-propylbenzene	12.81	91	954437	21.544	ug/l	100
79) 2-Chlorotoluene	12.90	91	541838	21.135	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	661657	21.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36834	16.417	ug/l	99
82) 4-Chlorotoluene	12.99	91	577575	21.228	ug/l	100
83) tert-Butylbenzene	13.21	119	541987	21.098	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	679586	21.435	ug/l	100
85) sec-Butylbenzene	13.39	105	837271	21.605	ug/l	100
86) p-Isopropyltoluene	13.51	119	727738	21.671	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	369101	20.622	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	360033	20.207	ug/l	98
89) n-Butylbenzene	13.83	91	699926	21.213	ug/l	99
90) Hexachloroethane	14.10	117	128710	20.715	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	323463	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19513	15.933	ug/l	97

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QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration

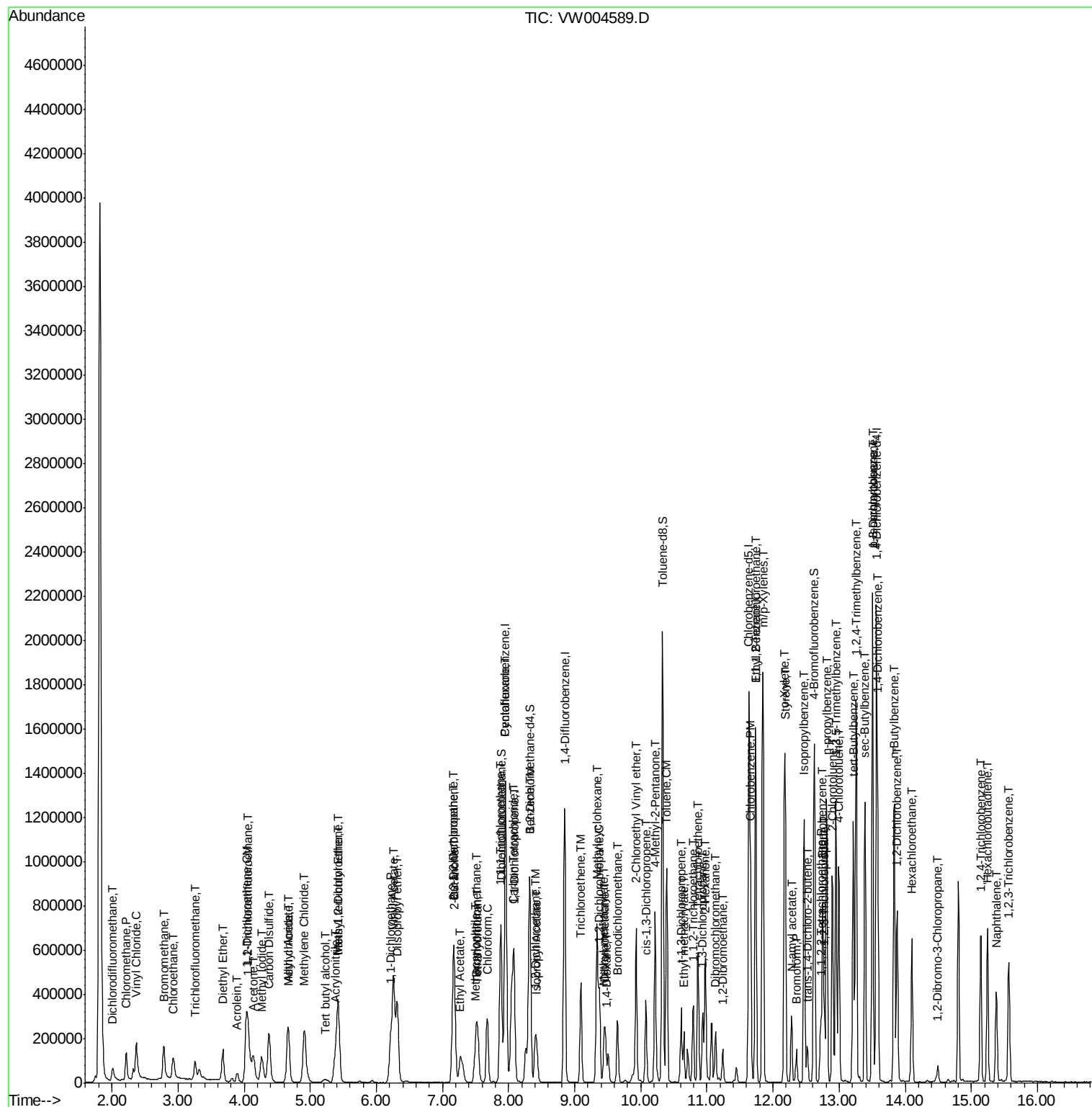
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	221276	19.683	ug/l	99
94) Hexachlorobutadiene	15.25	225	142277	21.734	ug/l	99
95) Naphthalene	15.38	128	352446	17.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	195136	19.315	ug/l	99

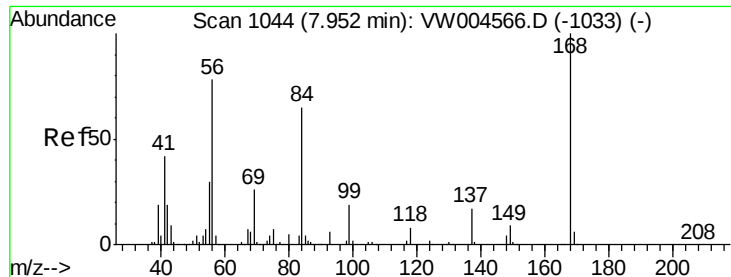
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

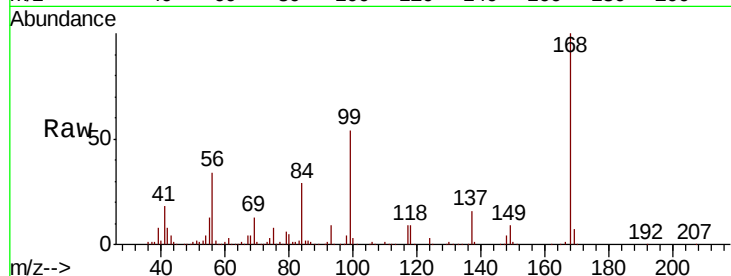
VW0813SBS01

Tgt Ion:168 Resp: 691925

Ion Ratio Lower Upper

168 100

99 54.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

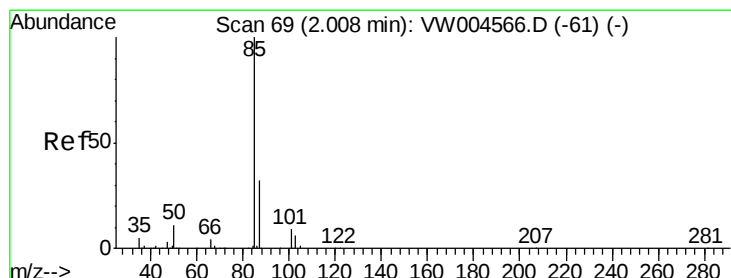
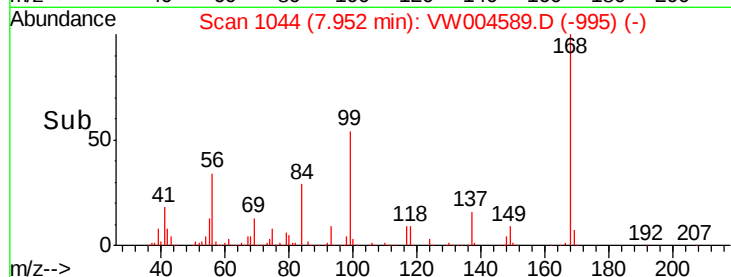
200000

100000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.328 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004589.D

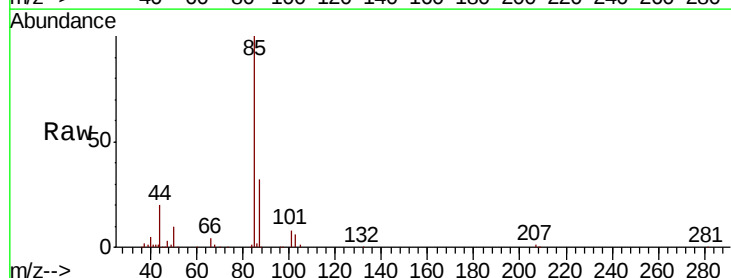
Acq: 10 Aug 2018 11:48

Tgt Ion: 85 Resp: 110772

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

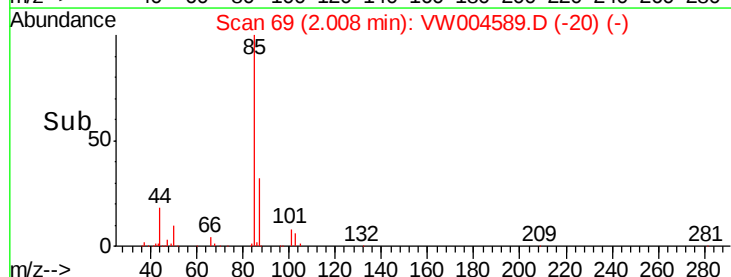
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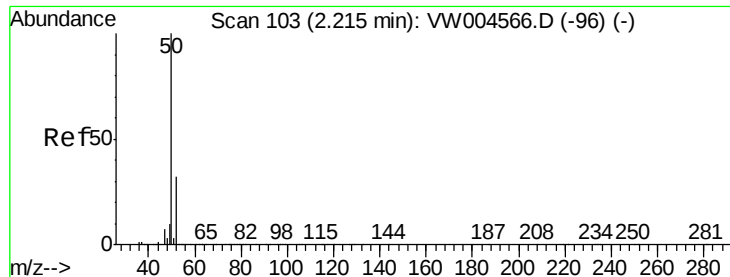
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Time-->

1.90 2.00 2.10 2.20 2.30

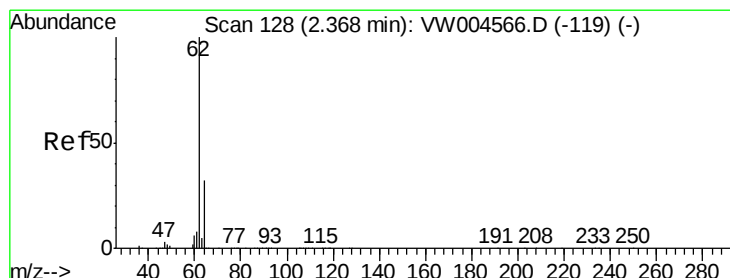
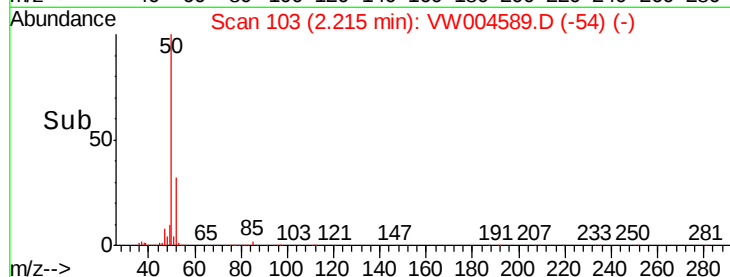
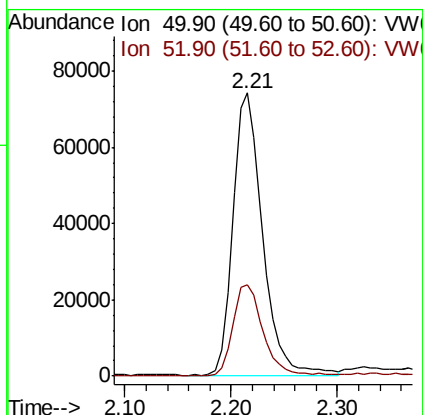
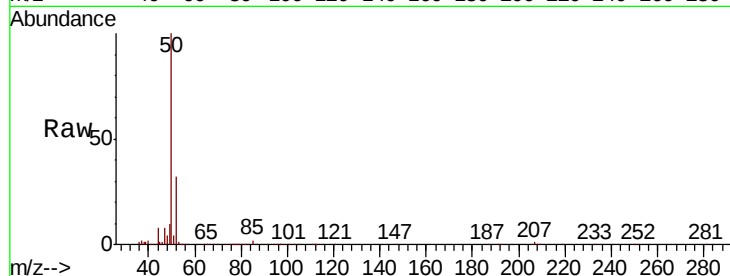




#3
Chloromethane
Concen: 21.944 ug/l
RT: 2.21 min Scan# 103
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

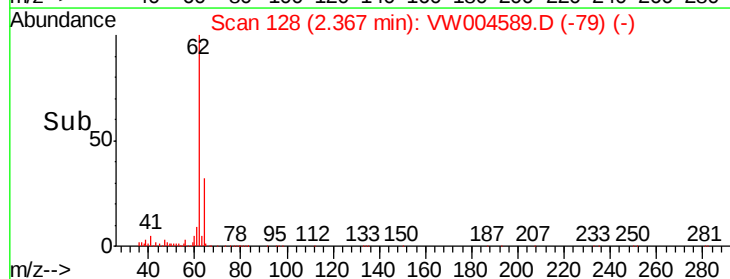
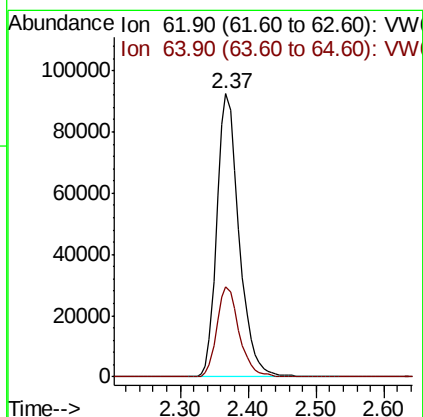
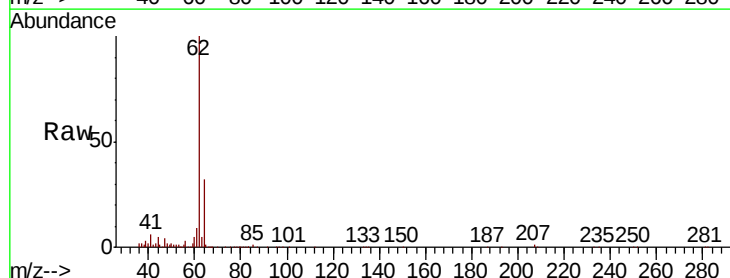
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

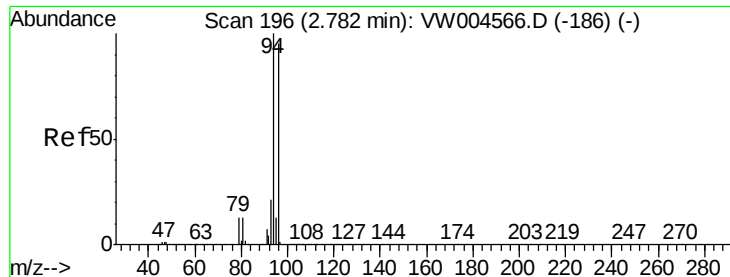
Tgt Ion: 50 Resp: 145168
Ion Ratio Lower Upper
50 100
52 32.3 25.8 38.8



#4
Vinyl Chloride
Concen: 22.694 ug/l
RT: 2.37 min Scan# 128
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 62 Resp: 209716
Ion Ratio Lower Upper
62 100
64 31.8 26.2 39.2





#5

Bromomethane

Concen: 22.298 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

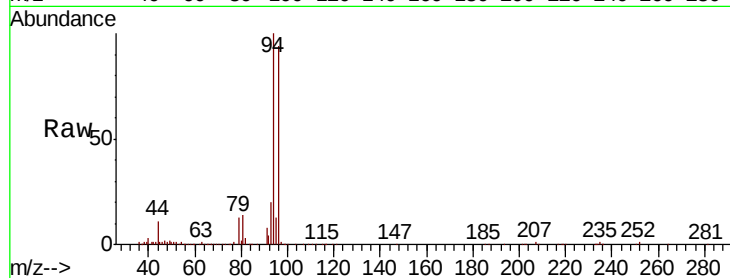
VW0813SBS01

Tgt Ion: 94 Resp: 119982

Ion Ratio Lower Upper

94 100

96 93.5 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

60000

50000

40000

30000

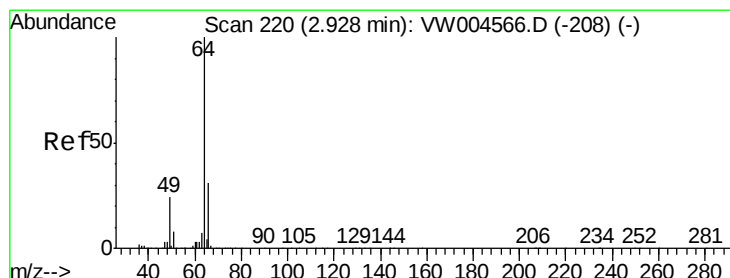
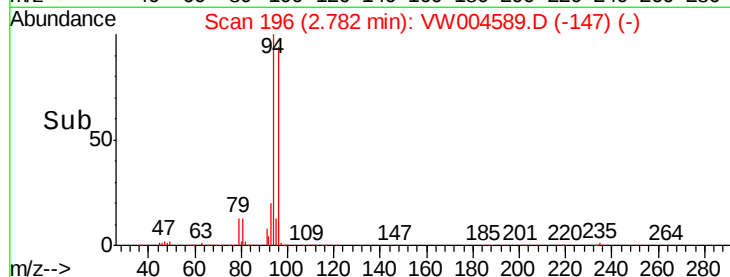
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 22.255 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004589.D

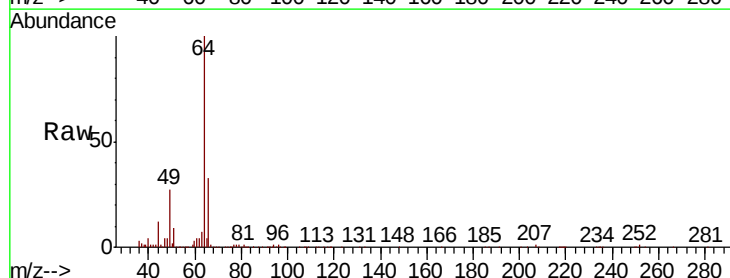
Acq: 10 Aug 2018 11:48

Tgt Ion: 64 Resp: 122891

Ion Ratio Lower Upper

64 100

66 32.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

50000

40000

30000

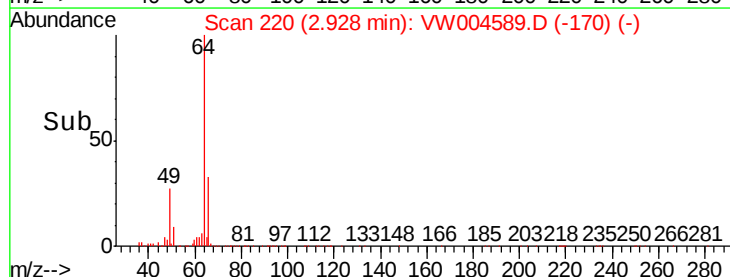
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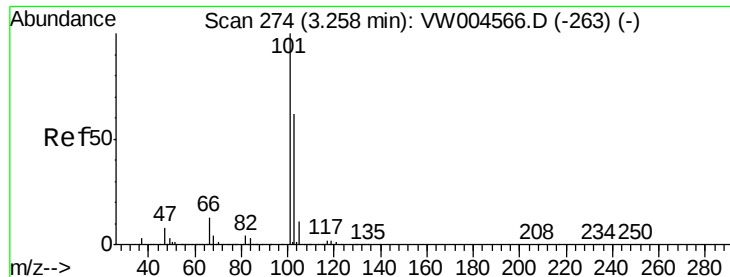
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Time-->

2.80 2.90 3.00 3.10



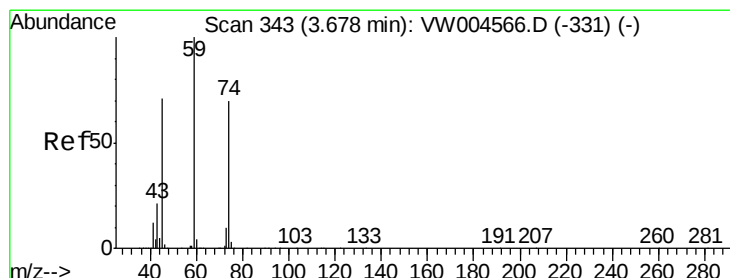
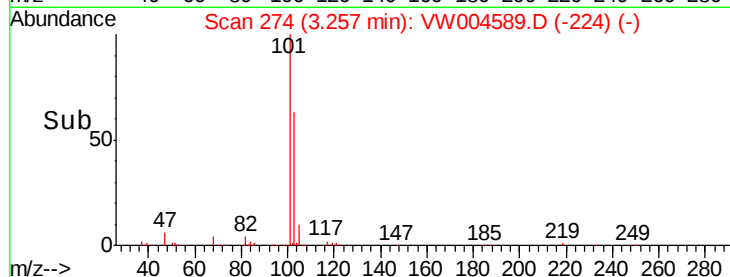
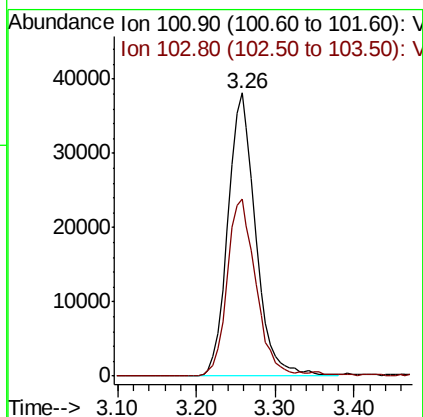
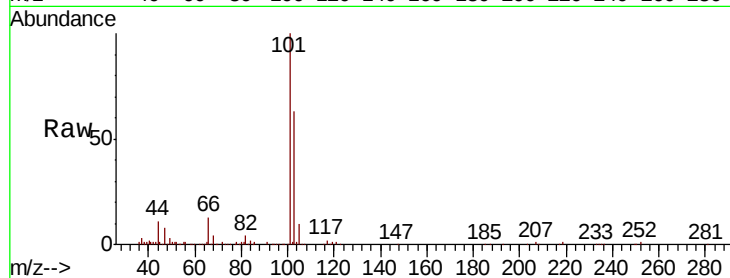


#7

Trichlorofluoromethane
 Concen: 27.384 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Instrument :
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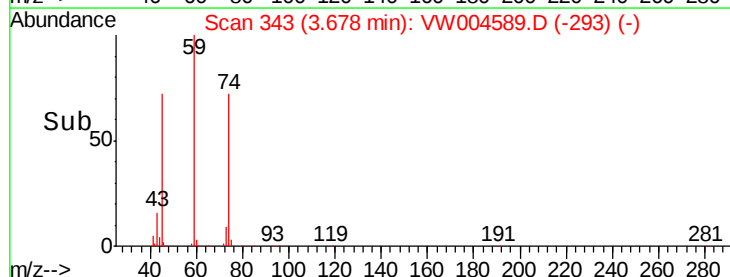
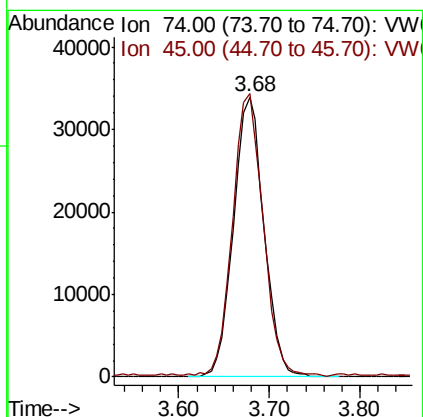
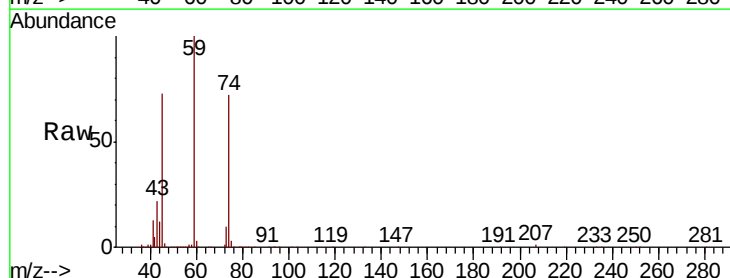
Tgt Ion: 101 Resp: 93464
 Ion Ratio Lower Upper
 101 100
 103 62.2 49.8 74.8

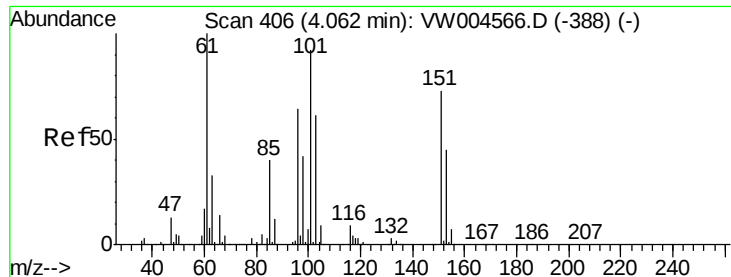


#8

Diethyl Ether
 Concen: 18.337 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 74 Resp: 79170
 Ion Ratio Lower Upper
 74 100
 45 101.0 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.524 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

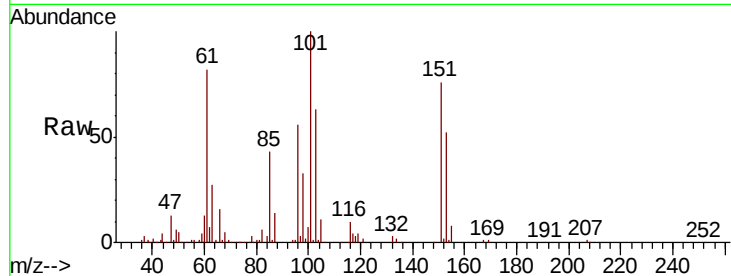
Tgt Ion:101 Resp: 162262

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

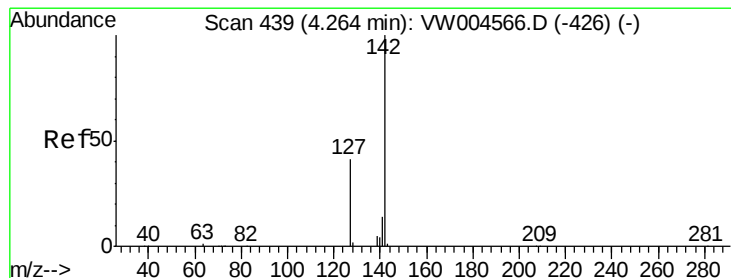
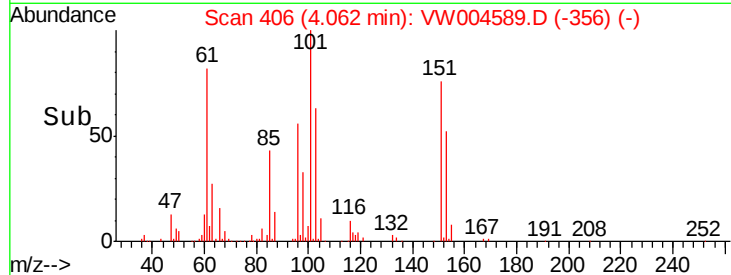
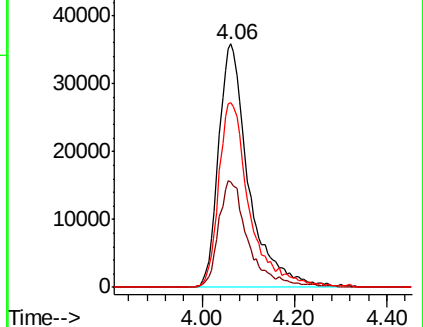
151 77.3 61.3 91.9



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: 20.831 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

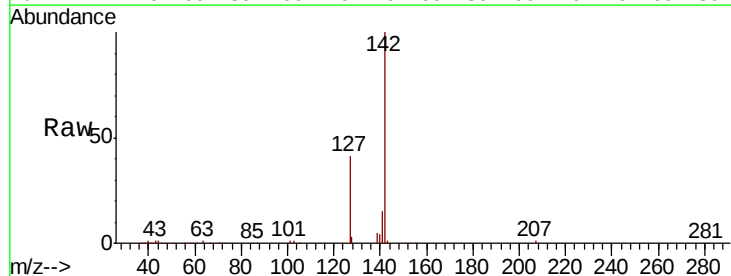
Tgt Ion:142 Resp: 235604

Ion Ratio Lower Upper

142 100

127 41.2 32.7 49.1

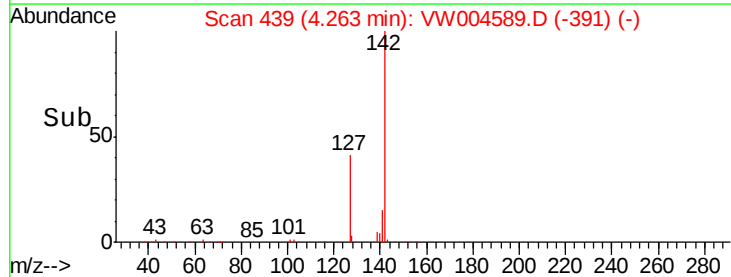
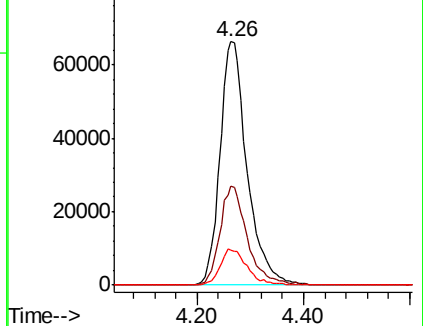
141 14.8 11.5 17.3

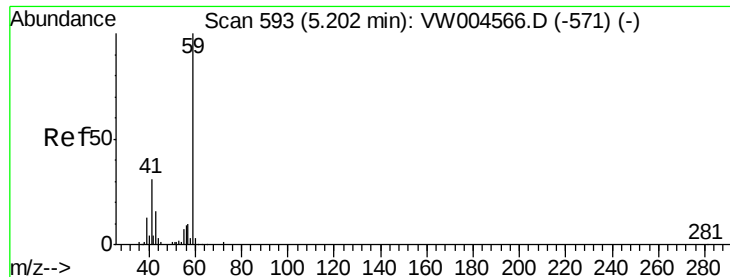


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

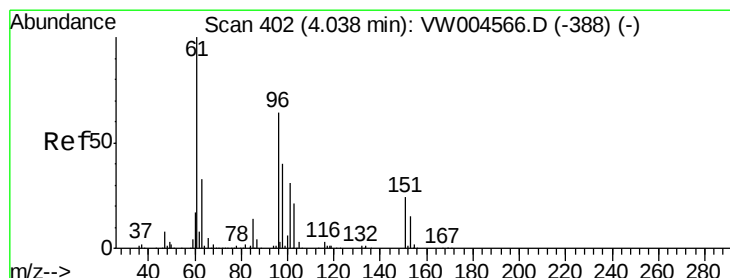
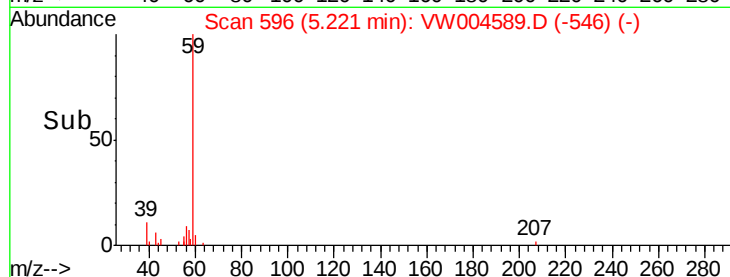
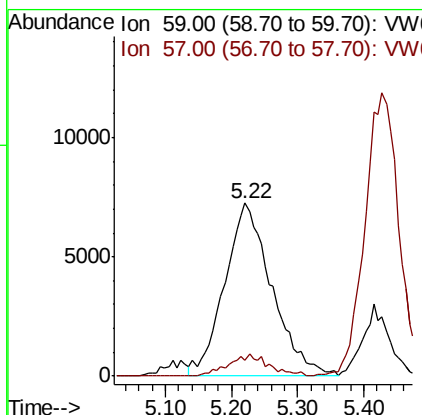
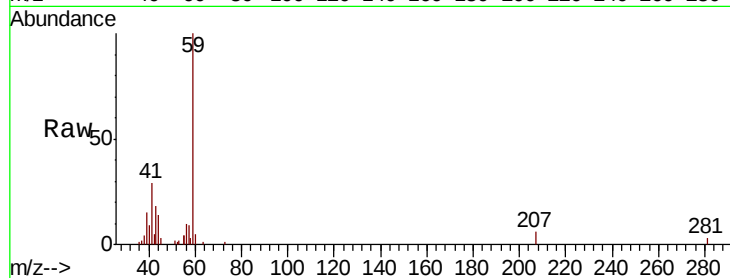




#11
Tert butyl alcohol
Concen: 79.831 ug/l
RT: 5.22 min Scan# 596
Delta R.T. 0.01 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

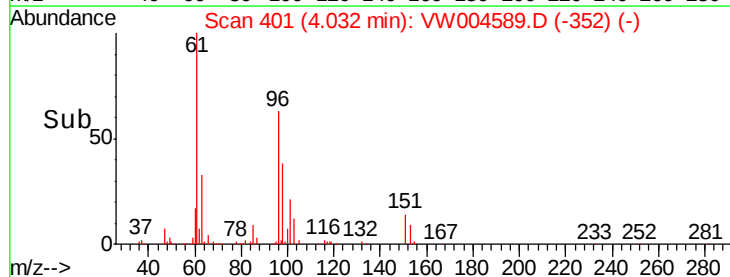
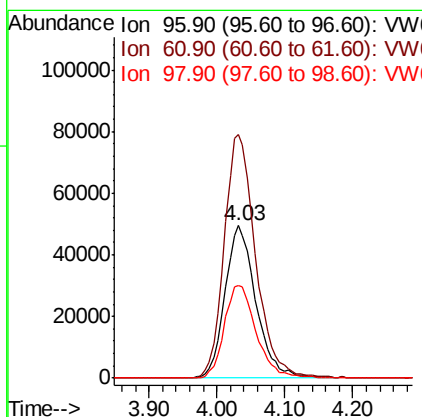
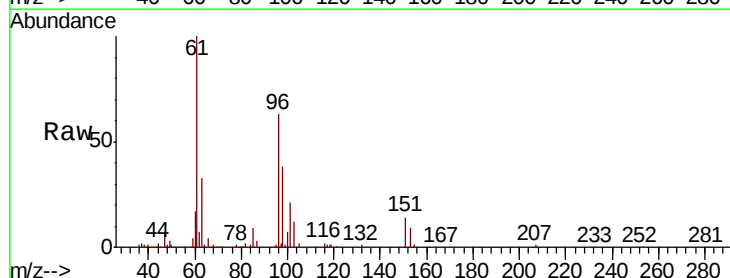
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

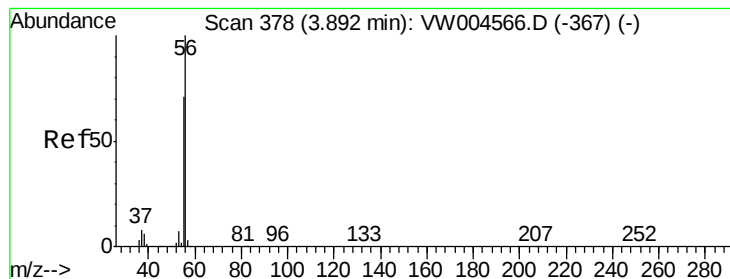
Tgt Ion: 59 Resp: 35802
Ion Ratio Lower Upper
59 100
57 10.7 9.1 13.7



#12
1,1-Dichloroethene
Concen: 20.372 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 96 Resp: 154582
Ion Ratio Lower Upper
96 100
61 159.9 130.6 195.8
98 60.8 49.6 74.4





#13

Acrolein

Concen: 91.083 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

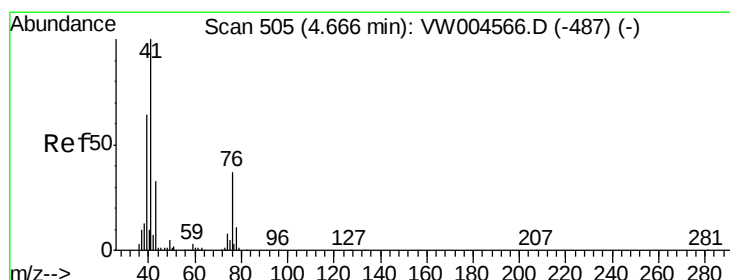
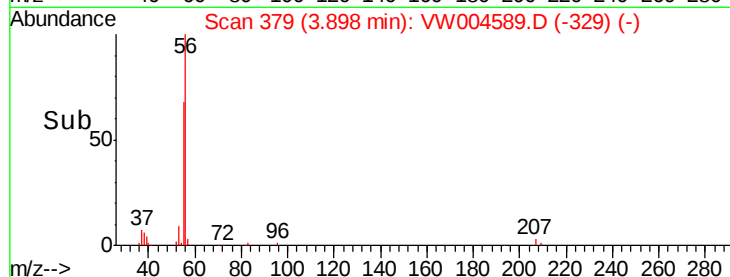
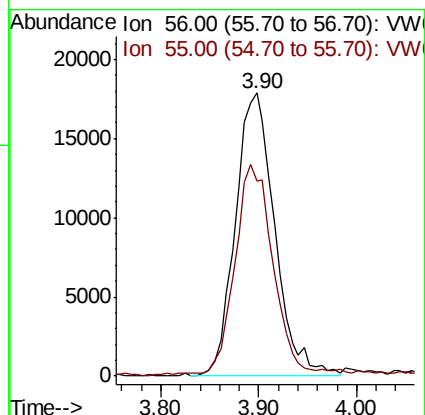
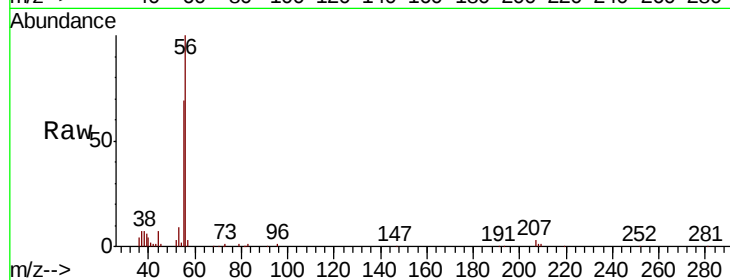
VW0813SBS01

Tgt Ion: 56 Resp: 50049

Ion Ratio Lower Upper

56 100

55 74.4 56.7 85.1



#14

Allyl chloride

Concen: 20.648 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

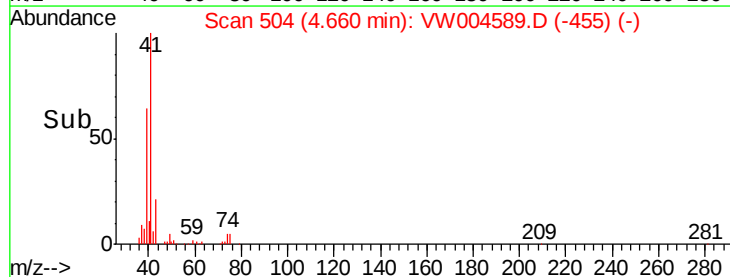
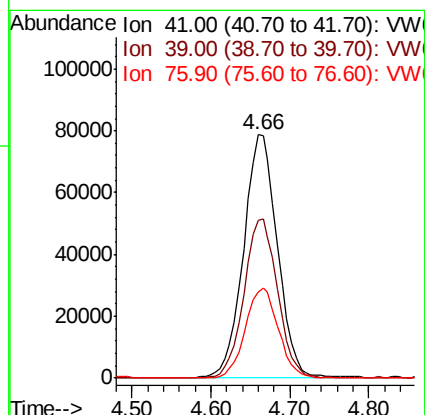
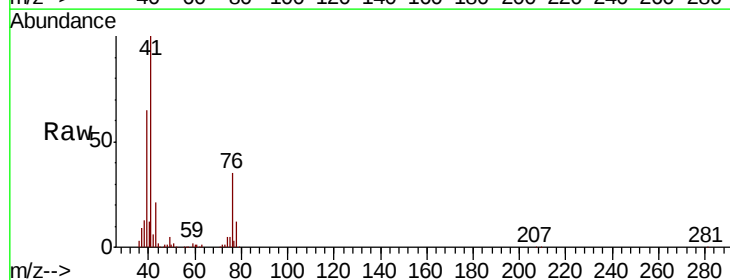
Tgt Ion: 41 Resp: 235388

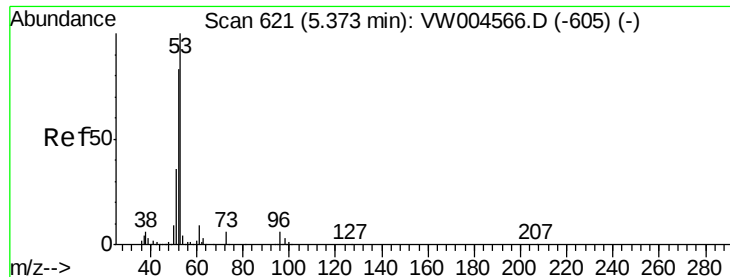
Ion Ratio Lower Upper

41 100

39 64.3 51.9 77.9

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 81.981 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

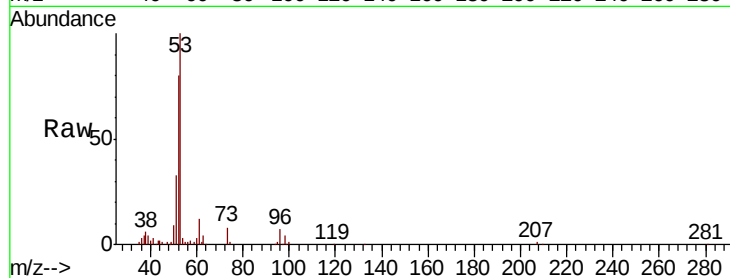
Tgt Ion: 53 Resp: 157297

Ion Ratio Lower Upper

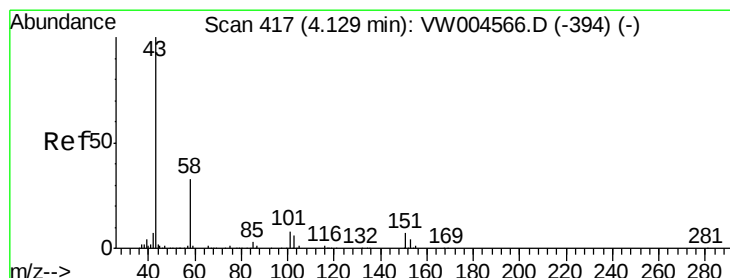
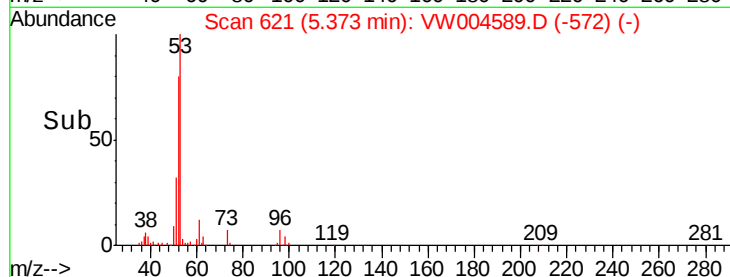
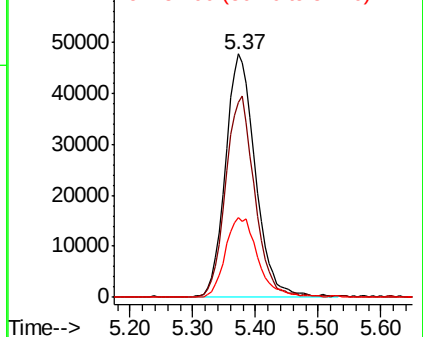
53 100

52 80.0 66.5 99.7

51 35.5 28.4 42.6



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



#16

Acetone

Concen: 98.695 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW004589.D

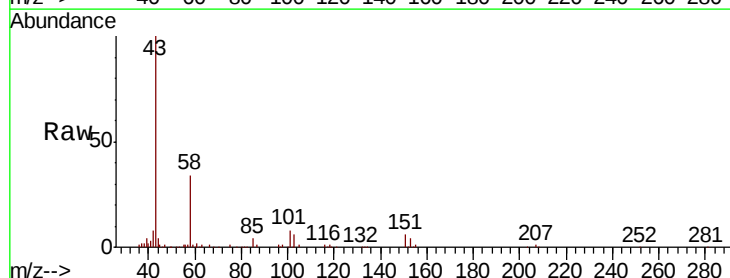
Acq: 10 Aug 2018 11:48

Tgt Ion: 43 Resp: 188784

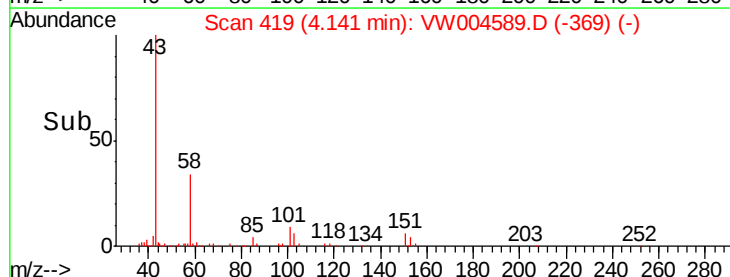
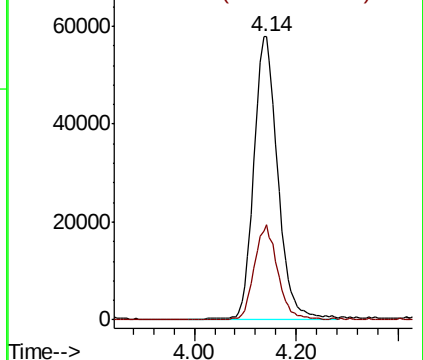
Ion Ratio Lower Upper

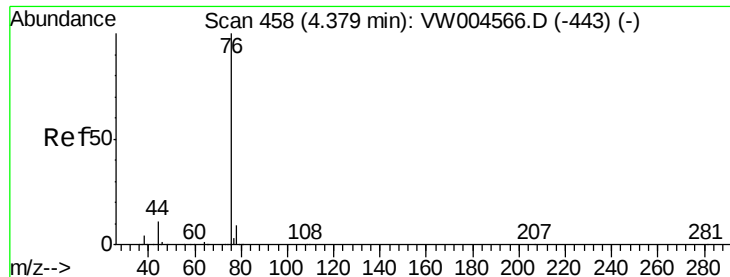
43 100

58 33.8 26.8 40.2



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

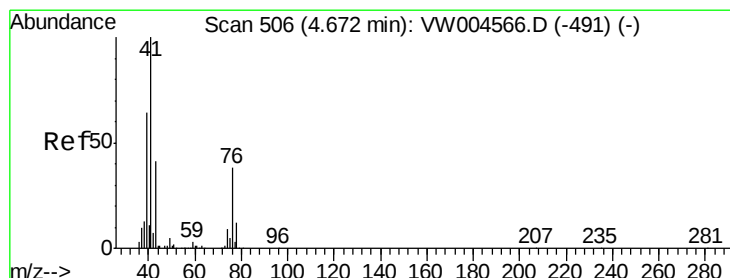
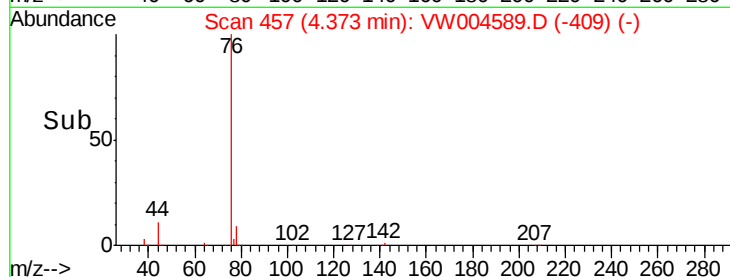
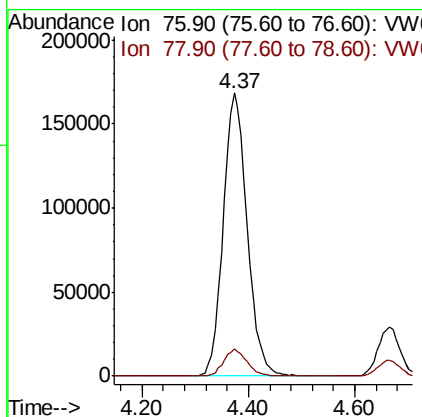
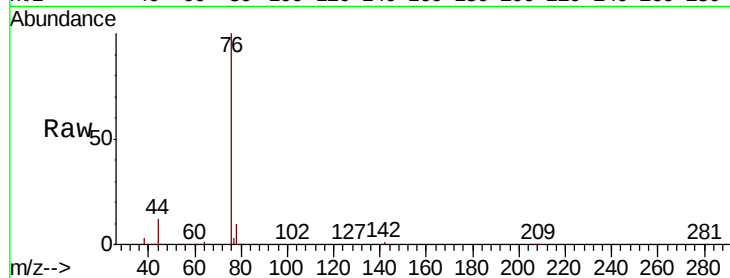




#17
Carbon Disulfide
Concen: 21.691 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.01 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

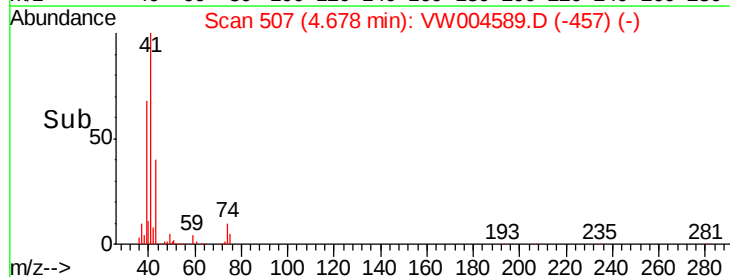
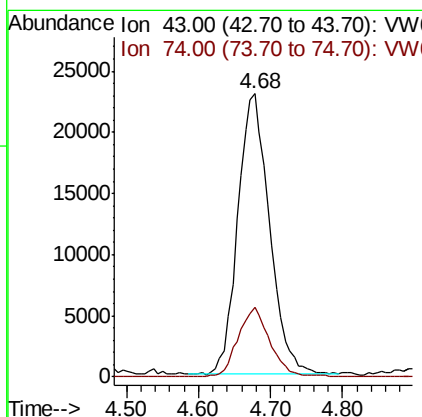
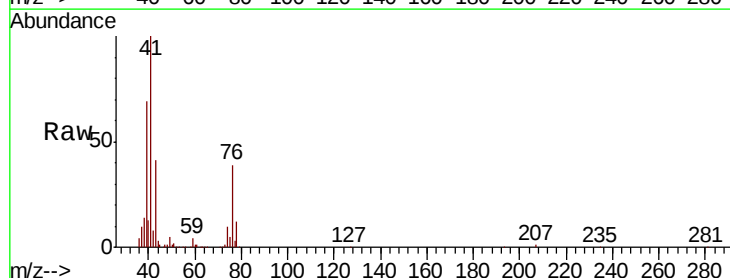
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

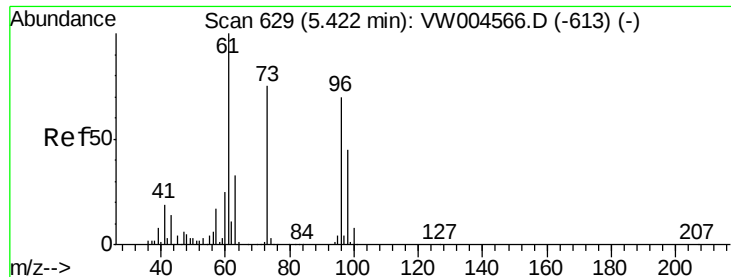
Tgt Ion: 76 Resp: 528943
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4



#18
Methyl Acetate
Concen: 14.765 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 43 Resp: 70426
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.362 ug/l

RT: 5.42 min Scan# 629

Delta R.T. -0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

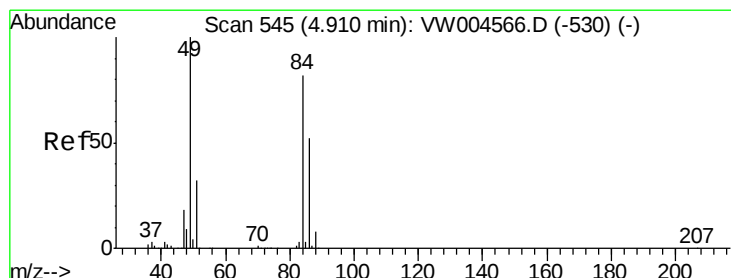
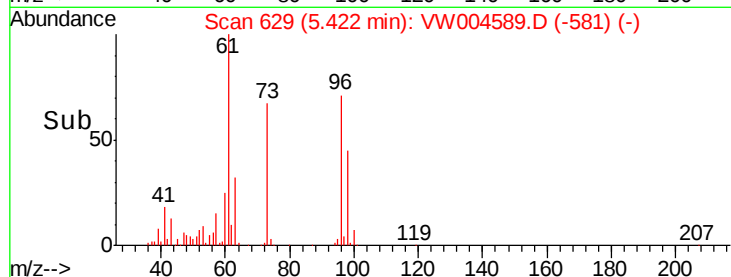
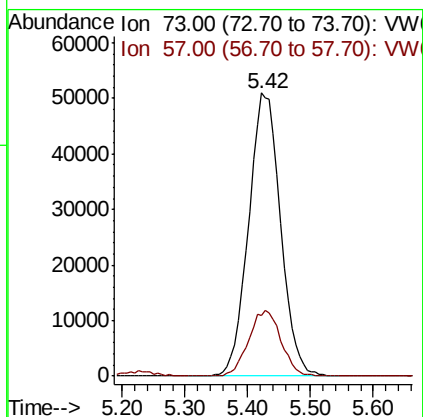
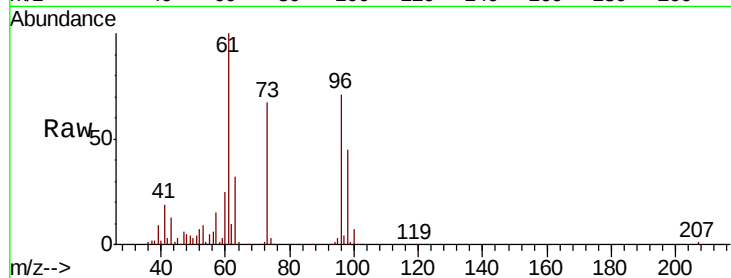
VW0813SBS01

Tgt Ion: 73 Resp: 179697

Ion Ratio Lower Upper

73 100

57 21.5 19.6 29.4



#20

Methylene Chloride

Concen: 15.950 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Tgt Ion: 84 Resp: 205388

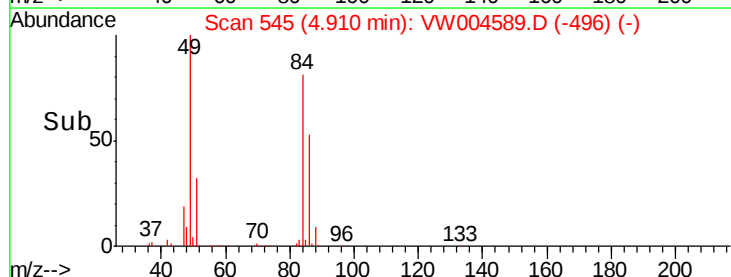
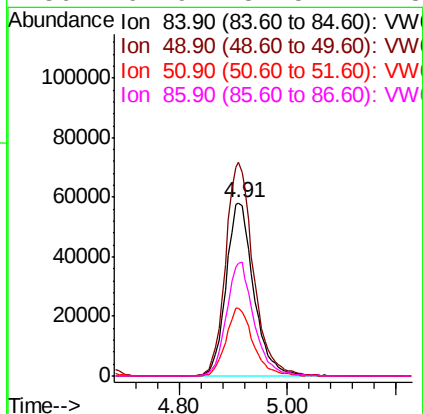
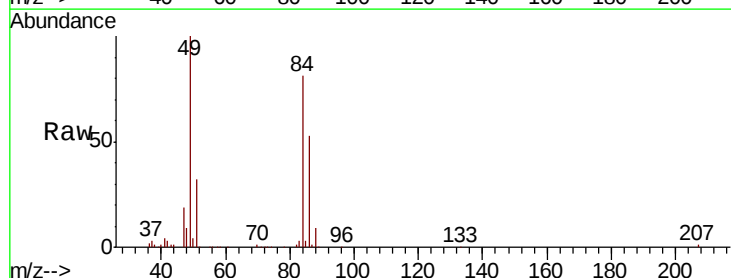
Ion Ratio Lower Upper

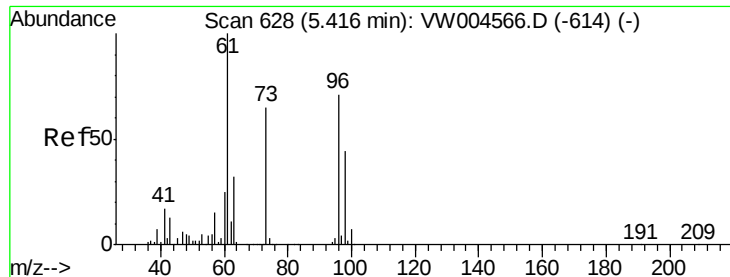
84 100

49 123.3 99.6 149.4

51 39.0 31.0 46.4

86 64.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.676 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

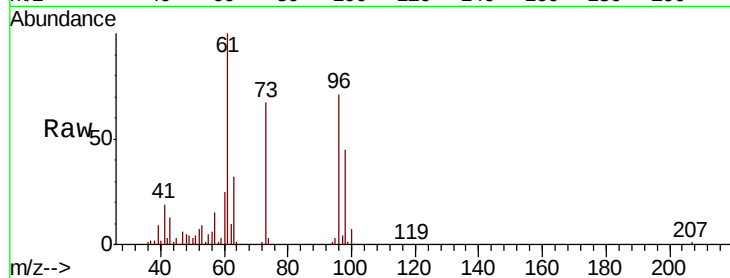
Tgt Ion: 96 Resp: 160894

Ion Ratio Lower Upper

96 100

61 141.3 114.1 171.1

98 63.4 51.4 77.2

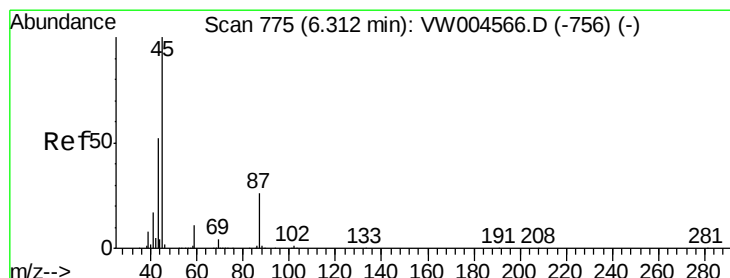
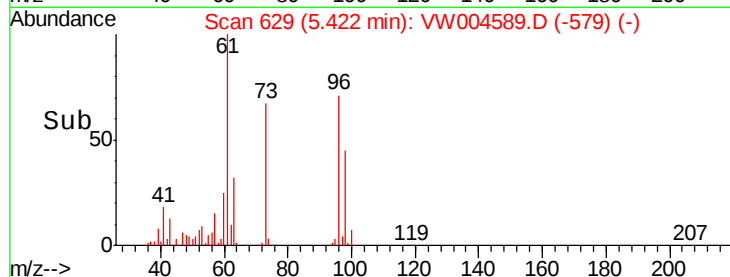
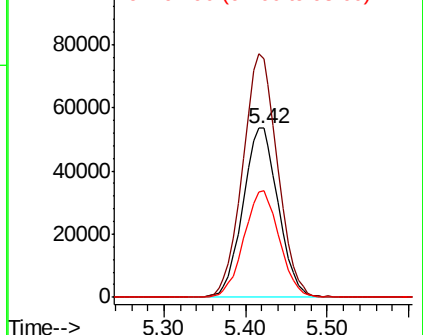


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.996 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Tgt Ion: 45 Resp: 468452

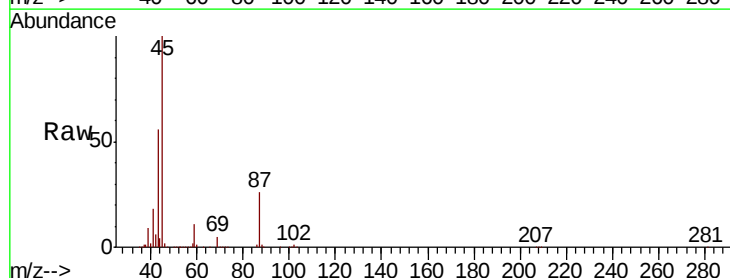
Ion Ratio Lower Upper

45 100

43 56.4 42.4 63.6

87 26.4 21.6 32.4

59 10.9 9.6 14.4



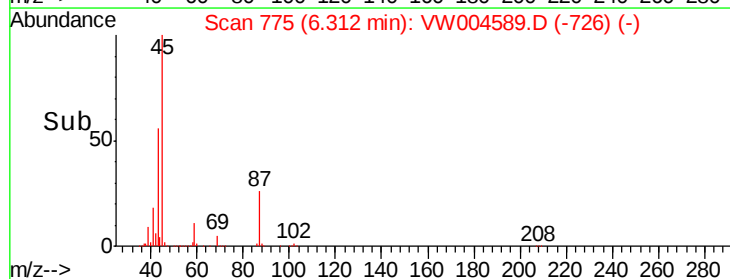
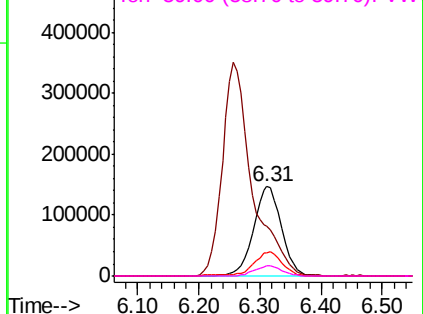
Abundance

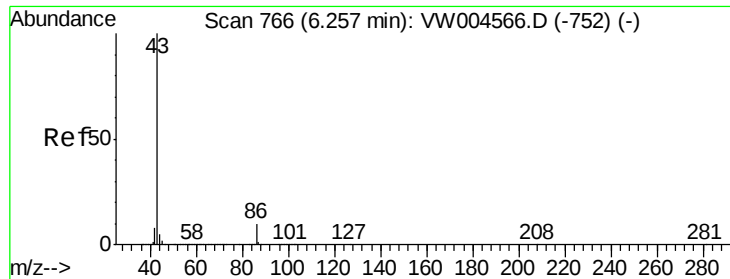
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

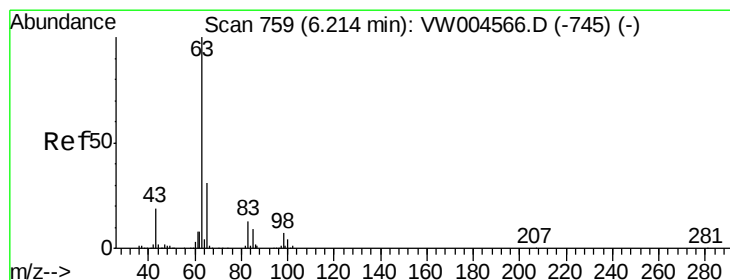
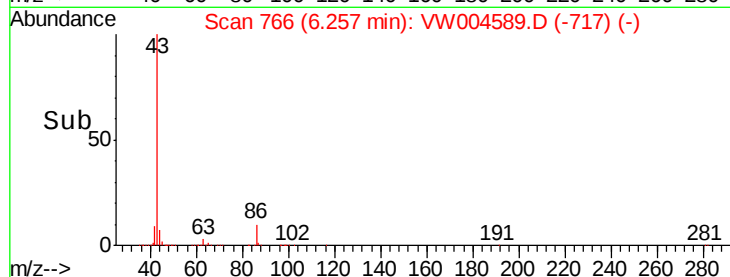
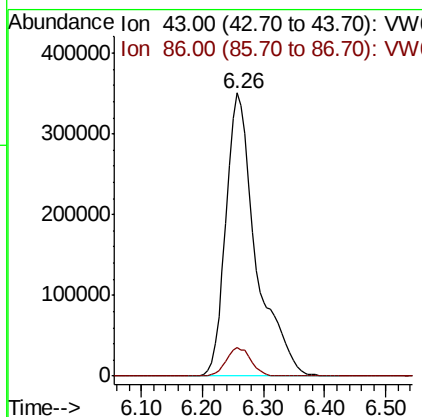
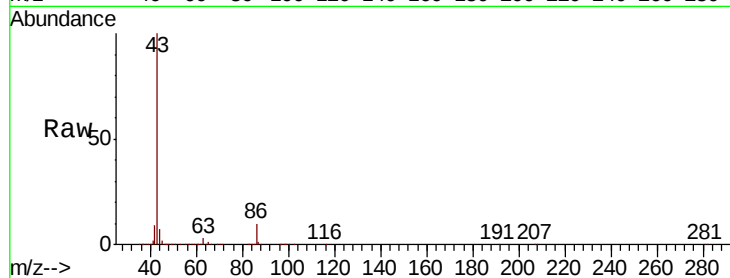




#23
 Vinyl Acetate
 Concen: 84.447 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

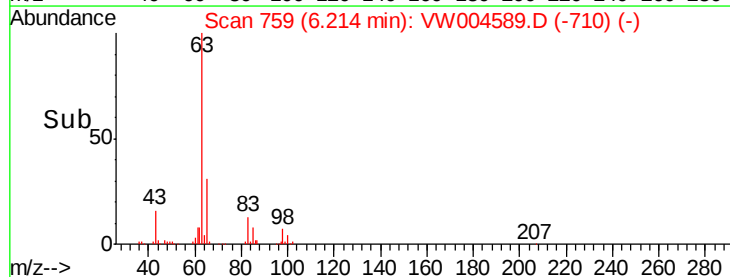
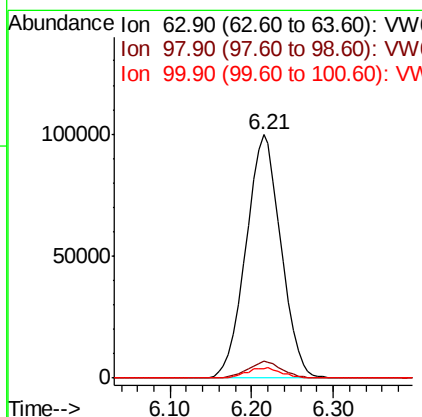
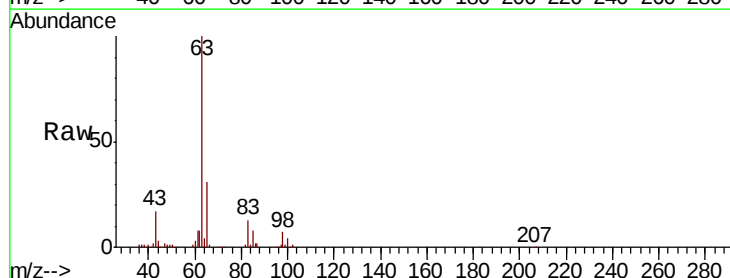
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

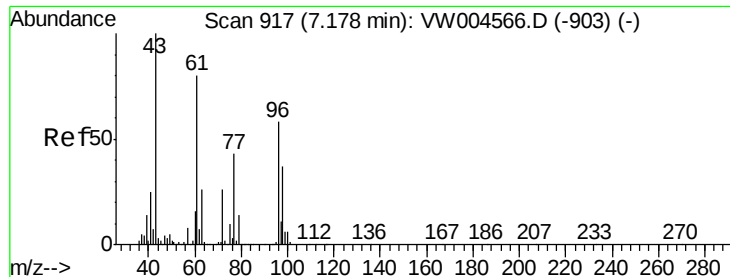
Tgt Ion: 43 Resp: 1189030
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 19.807 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 63 Resp: 297026
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.3
 100 3.7 2.1 6.5

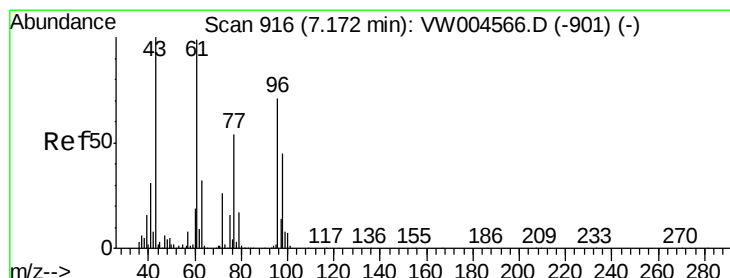
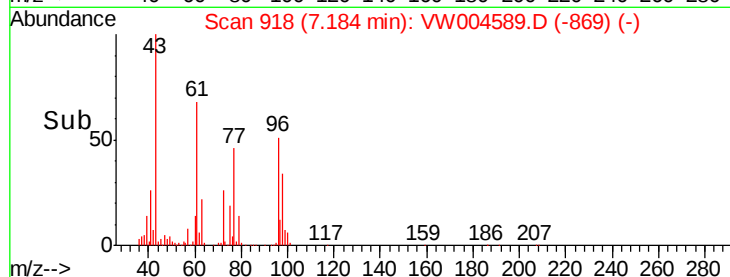
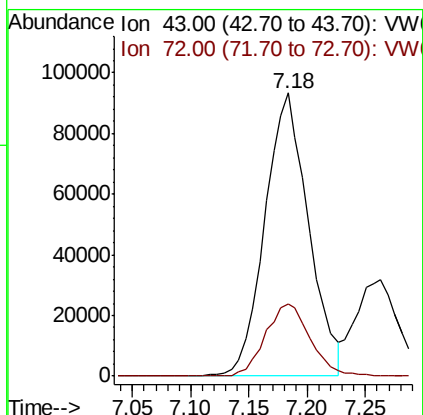
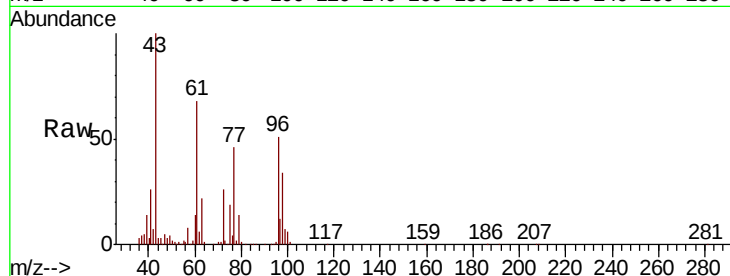




#25
2-Butanone
Concen: 78.502 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

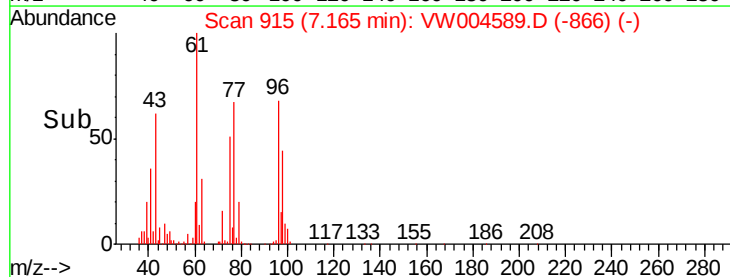
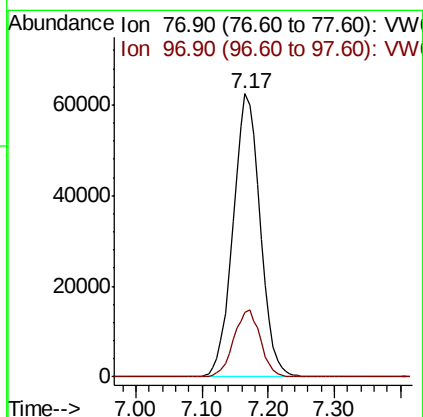
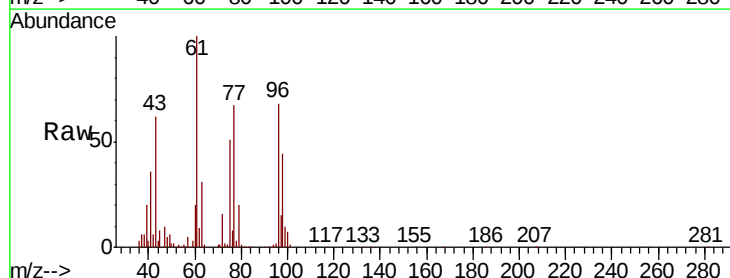
Instrument :
MSVOA_W
ClientSampled :
VW0813SBS01

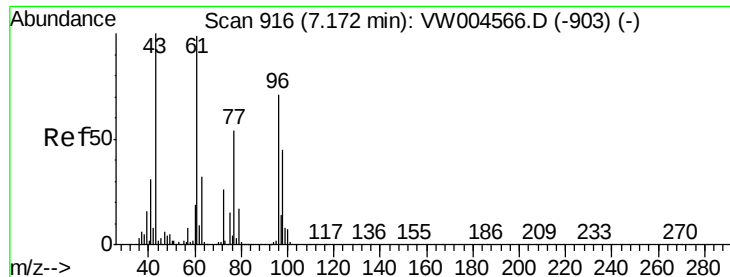
Tgt Ion: 43 Resp: 241544
Ion Ratio Lower Upper
43 100
72 25.8 21.0 31.6



#26
2,2-Dichloropropane
Concen: 22.548 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 77 Resp: 177462
Ion Ratio Lower Upper
77 100
97 23.2 12.5 37.5



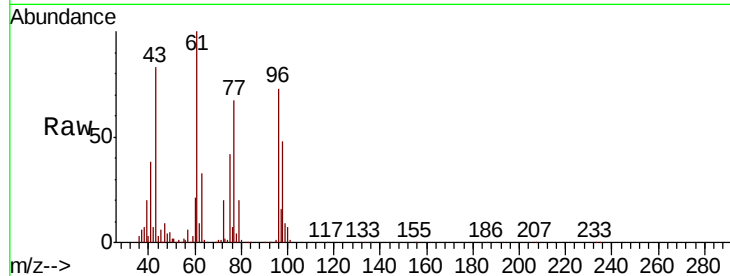


#27

cis-1,2-Dichloroethene
 Concen: 19.587 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	285.0
98	65.0	0.0	128.6

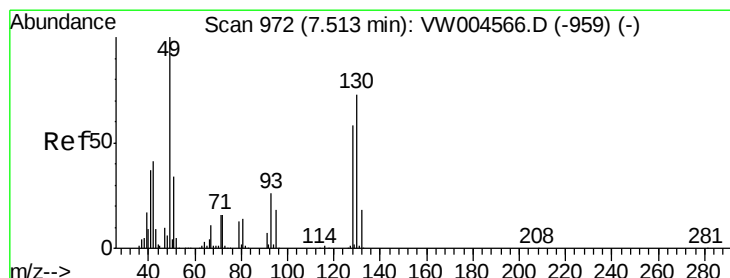
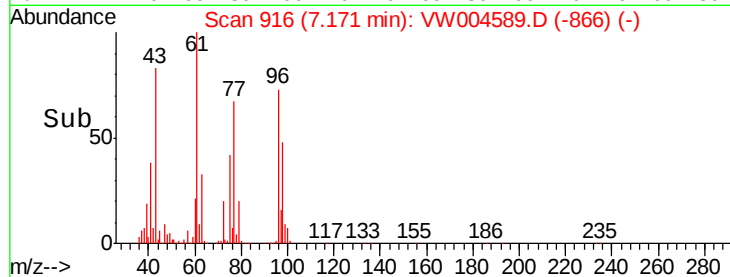
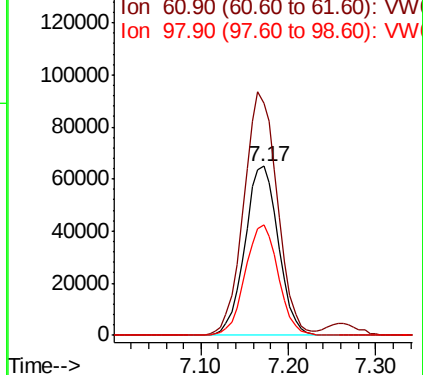


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

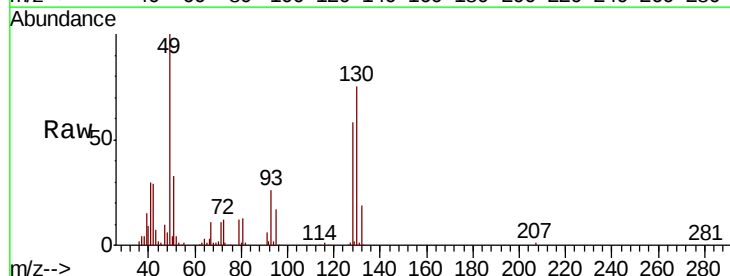
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 18.627 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	72.8	58.8	88.2

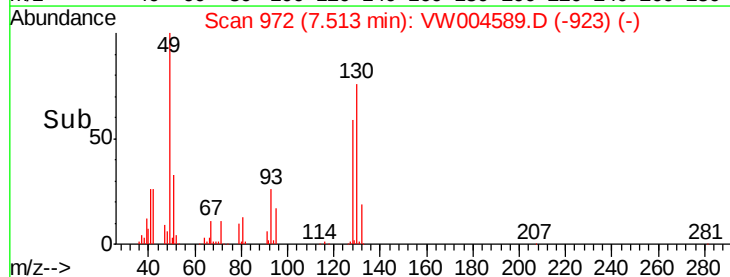
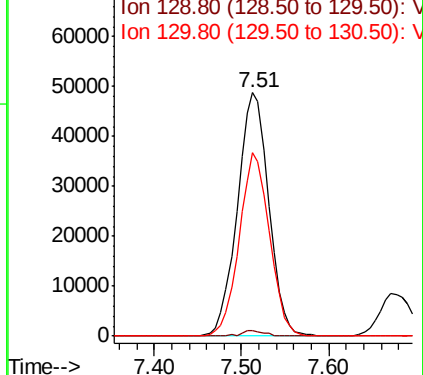


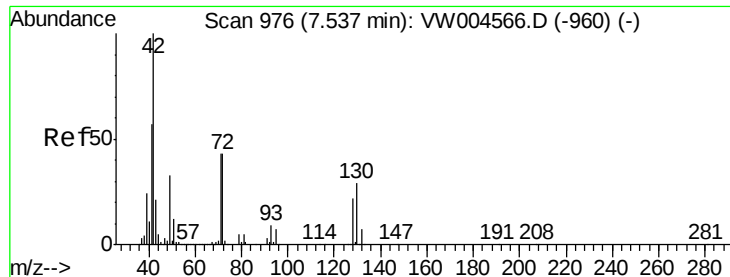
Abundance

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: 73.199 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

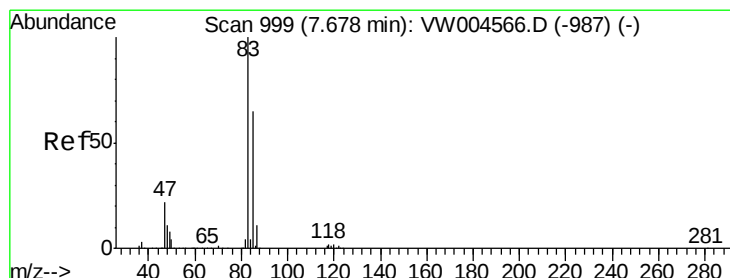
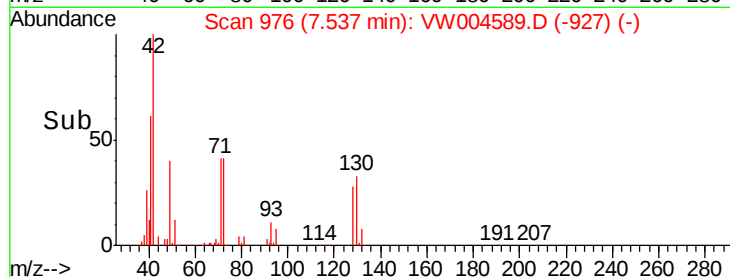
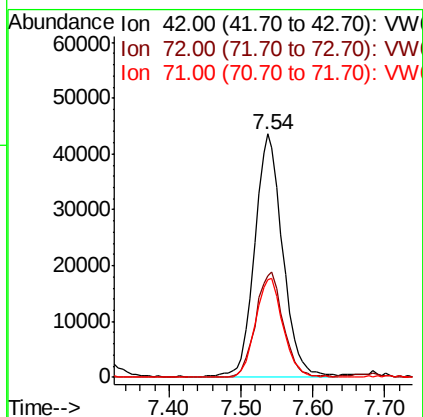
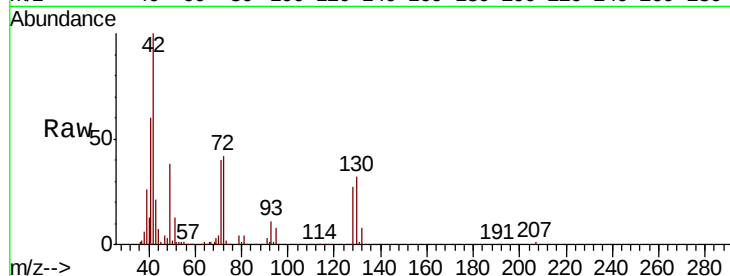
Tgt Ion: 42 Resp: 116436

Ion Ratio Lower Upper

42 100

72 43.1 34.1 51.1

71 40.7 32.5 48.7



#30

Chloroform

Concen: 19.715 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004589.D

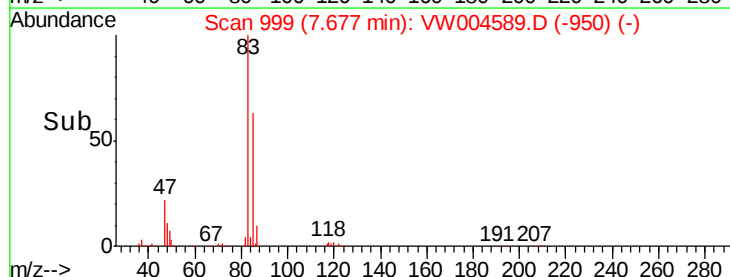
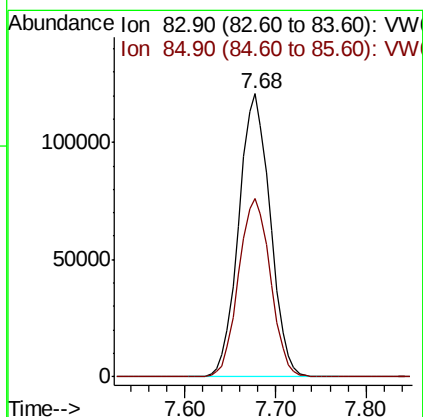
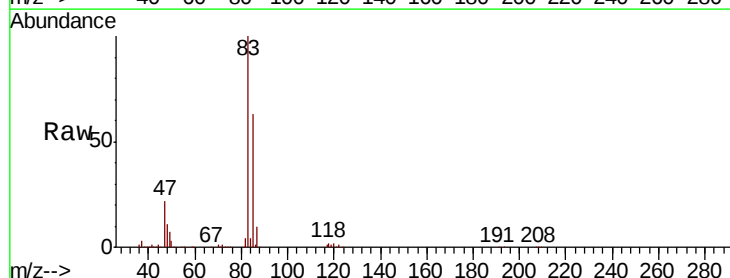
Acq: 10 Aug 2018 11:48

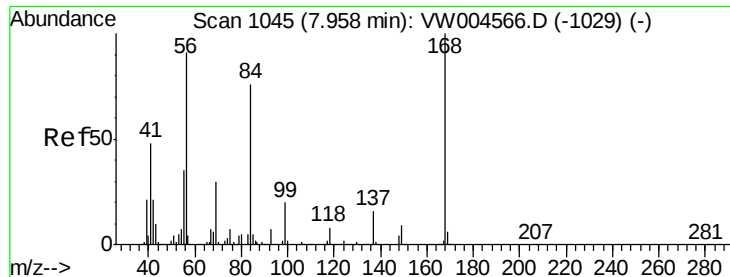
Tgt Ion: 83 Resp: 290385

Ion Ratio Lower Upper

83 100

85 63.2 51.3 76.9

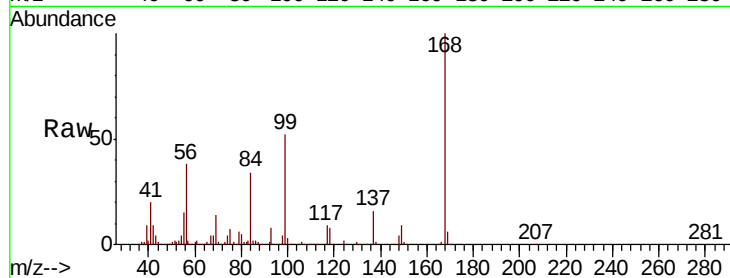




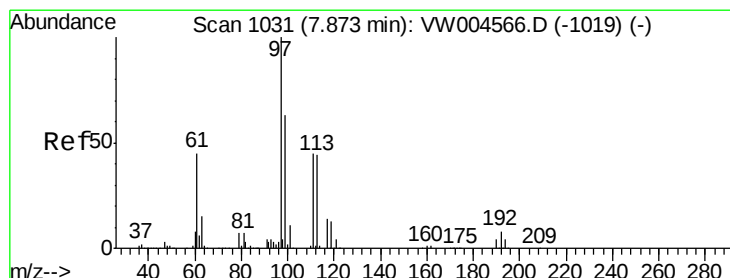
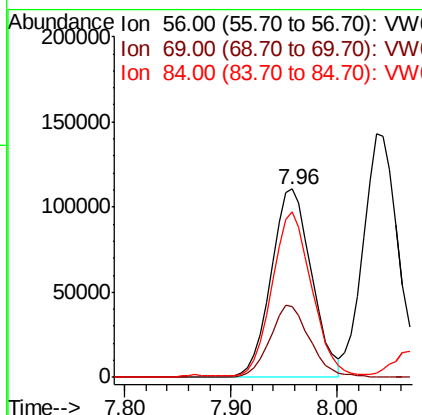
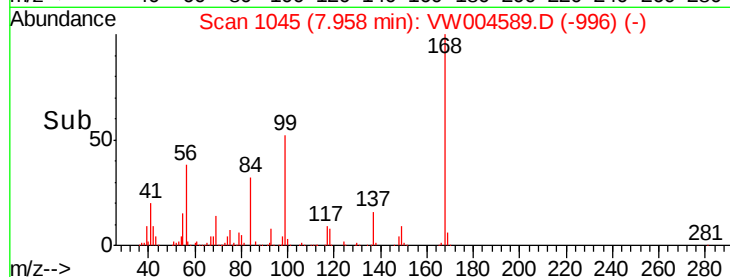
#31
Cyclohexane
Concen: 20.256 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

Tgt Ion: 56 Resp: 290637
Ion Ratio Lower Upper
56 100
69 37.8 26.4 39.6
84 86.7 66.9 100.3

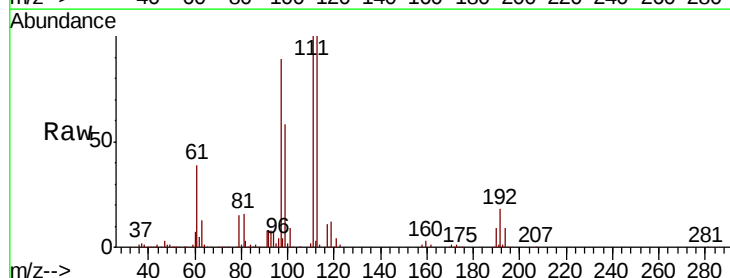


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

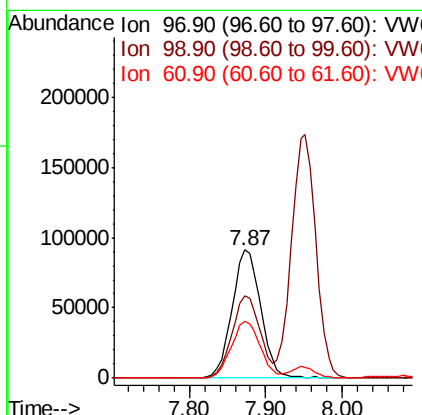
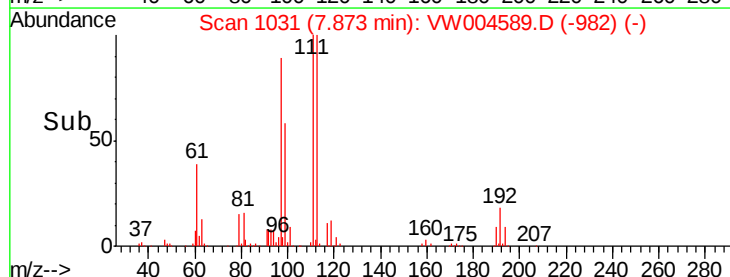


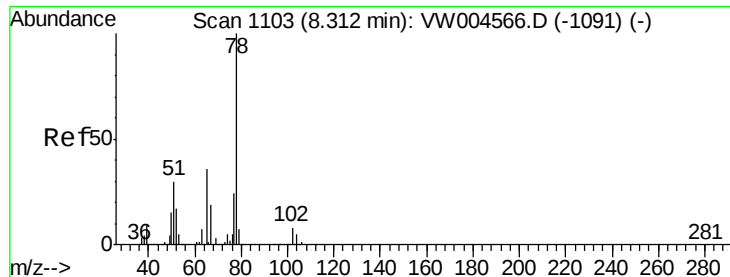
#32
1,1,1-Trichloroethane
Concen: 21.364 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 97 Resp: 236370
Ion Ratio Lower Upper
97 100
99 63.0 51.6 77.4
61 44.8 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 45.755 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

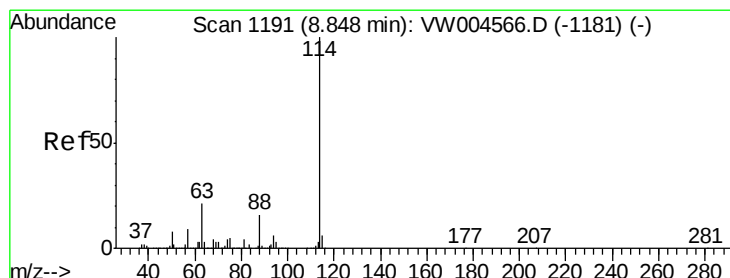
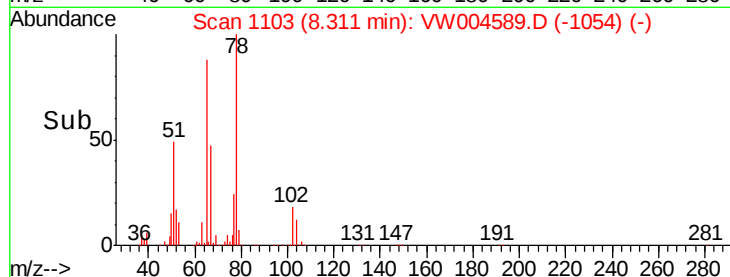
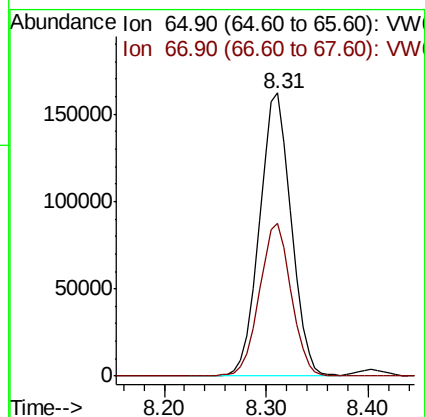
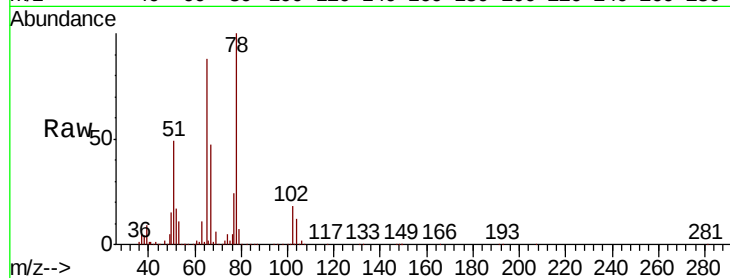
VW0813SBS01

Tgt Ion: 65 Resp: 350456

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

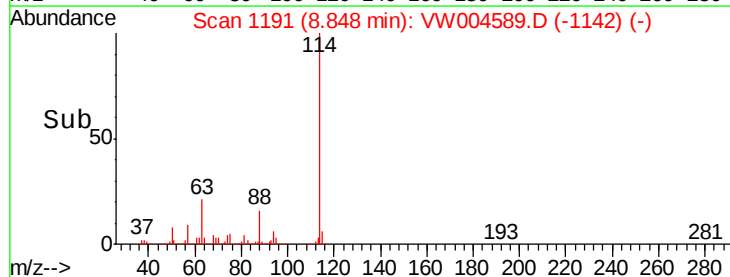
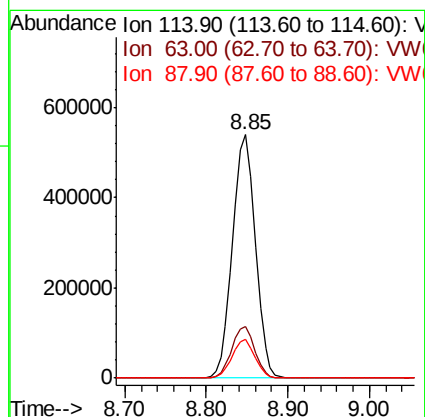
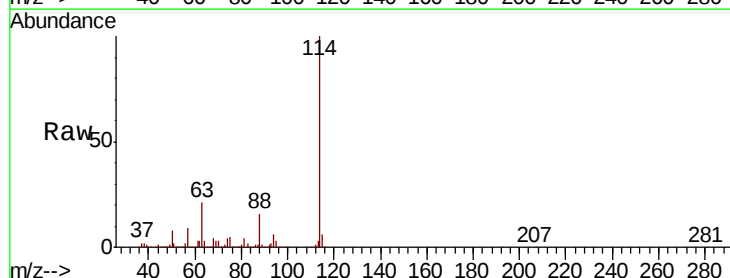
Tgt Ion: 114 Resp: 1040341

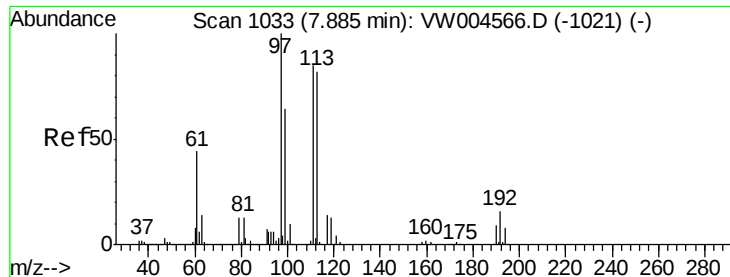
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.8 0.0 31.2

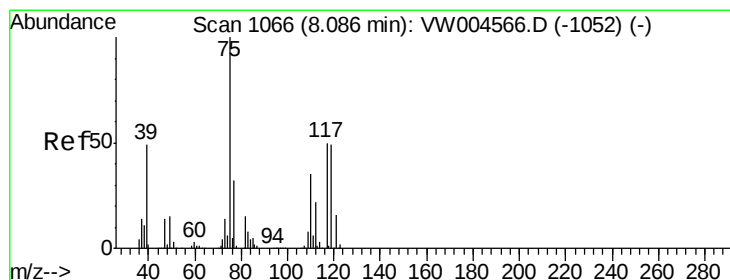
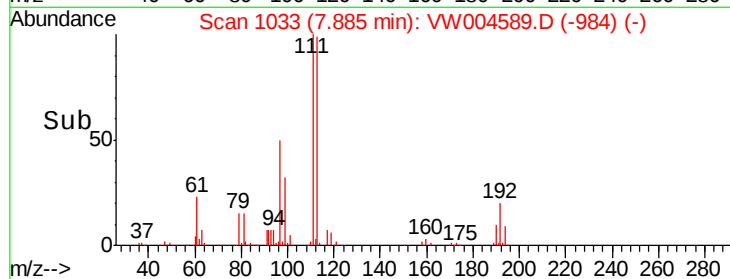
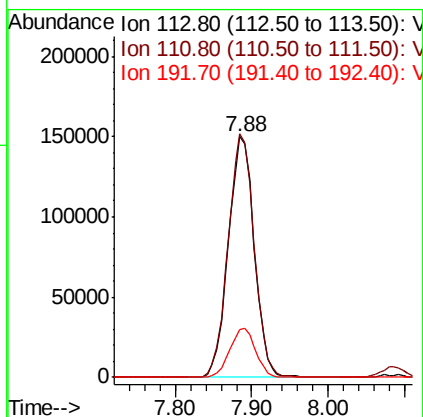
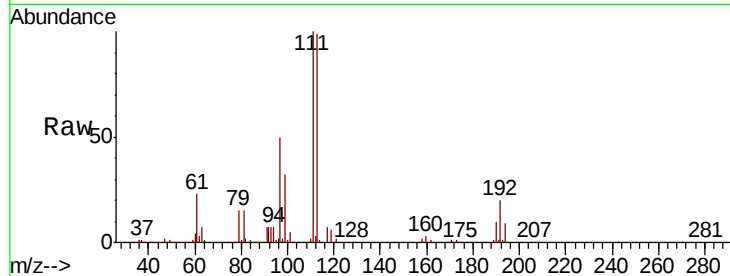




#35
 Dibromofluoromethane
 Concen: 50.584 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

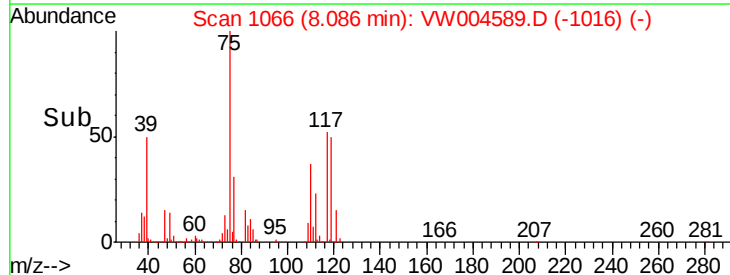
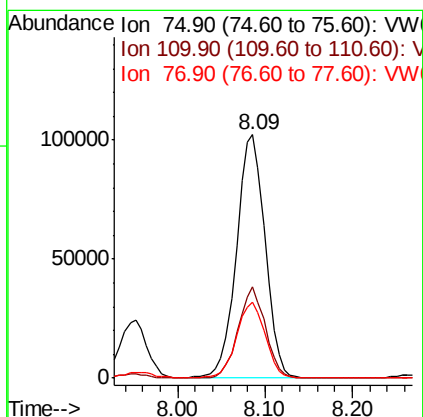
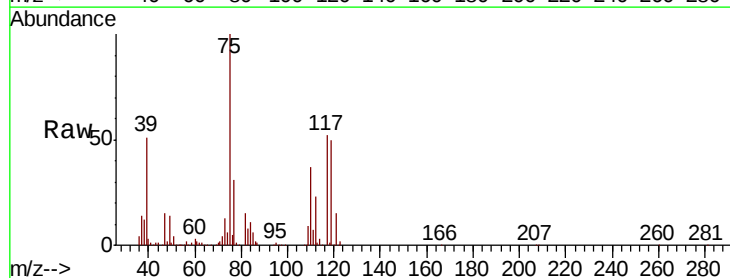
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

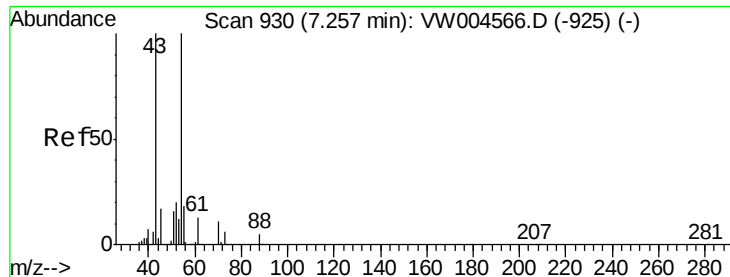
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.9	124.3
192	20.3	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 20.660 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.4	52.2
77	31.5	24.7	37.1

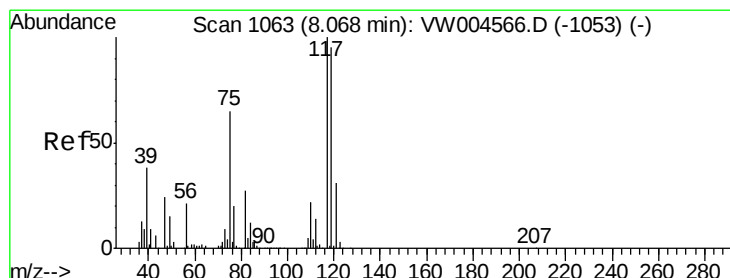
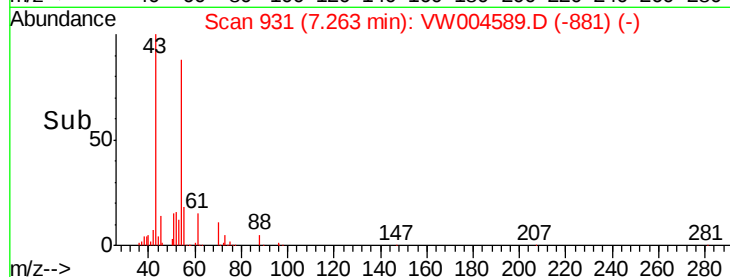
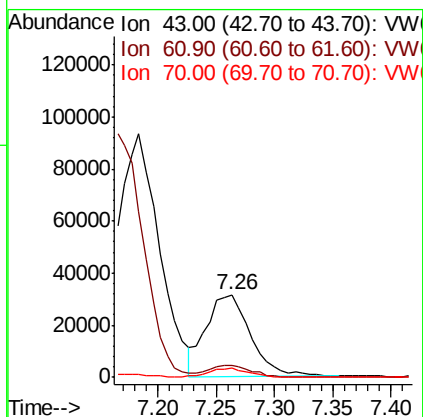
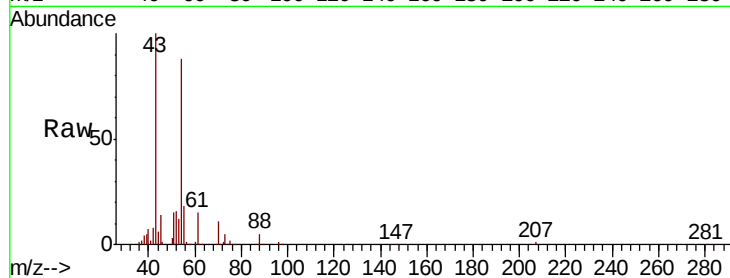




#37
 Ethyl Acetate
 Concen: 15.681 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

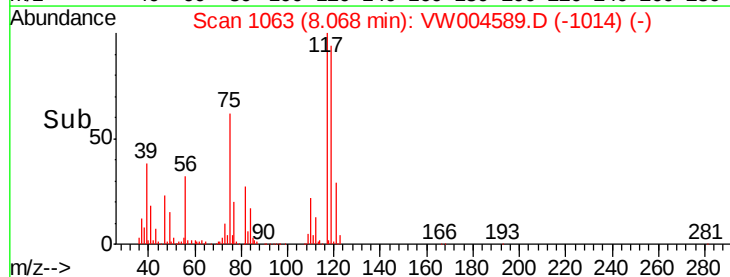
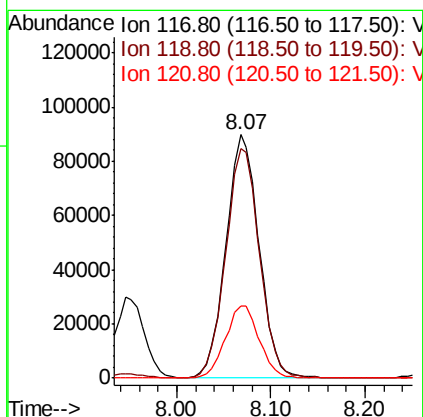
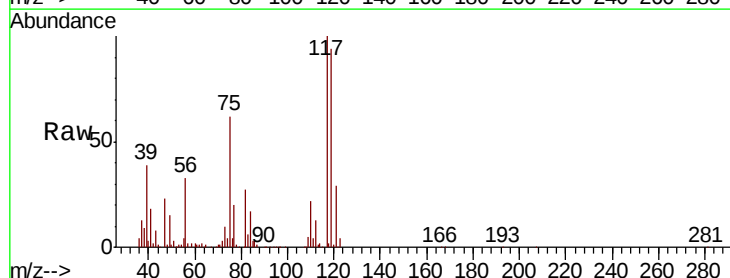
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

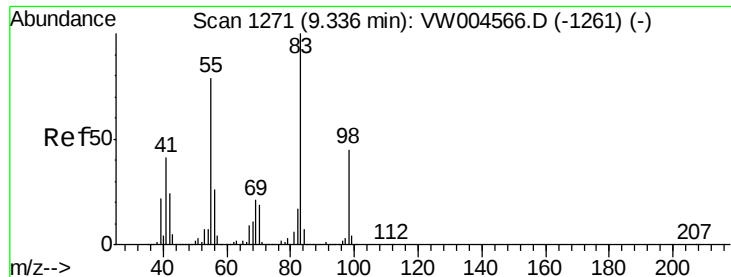
Tgt Ion: 43 Resp: 82265
 Ion Ratio Lower Upper
 43 100
 61 15.4 11.9 17.9
 70 10.8 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 21.603 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 117 Resp: 217759
 Ion Ratio Lower Upper
 117 100
 119 94.3 76.1 114.1
 121 29.5 24.2 36.4

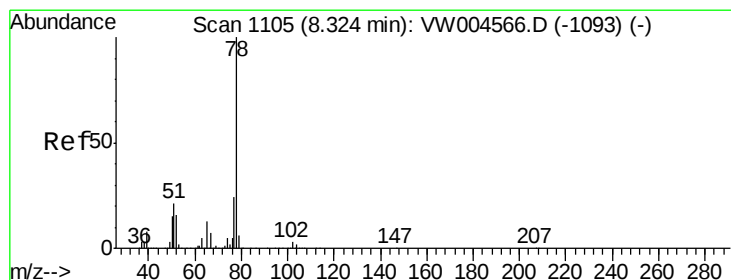
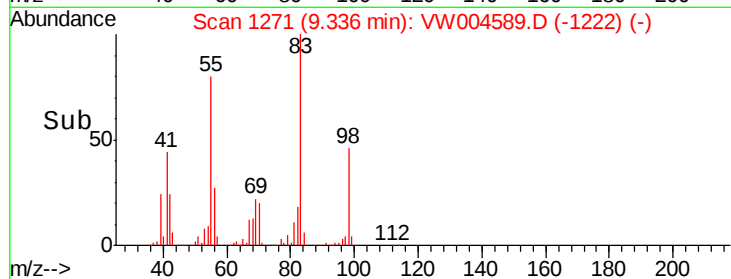
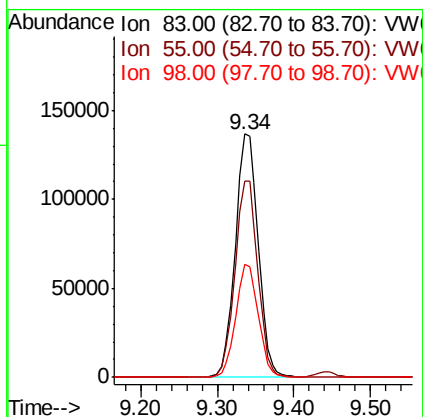
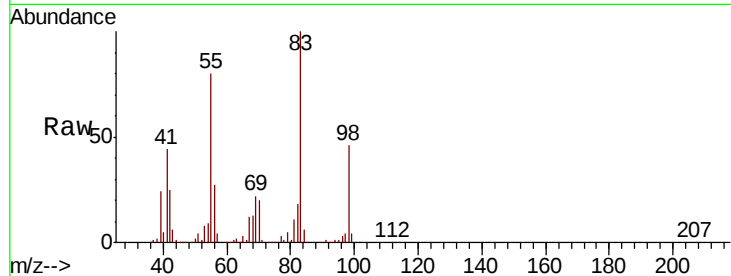




#39
Methylcyclohexane
Concen: 20.745 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

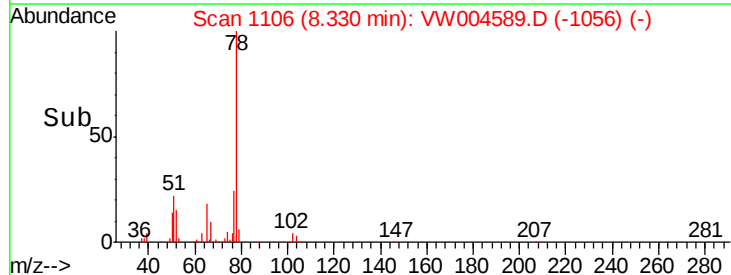
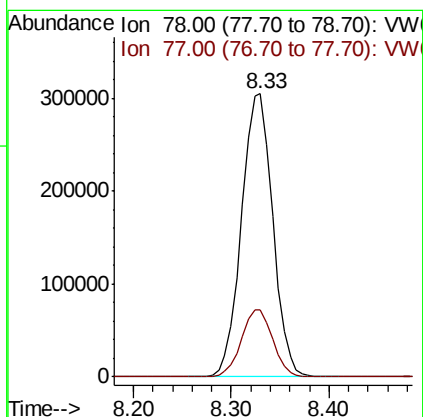
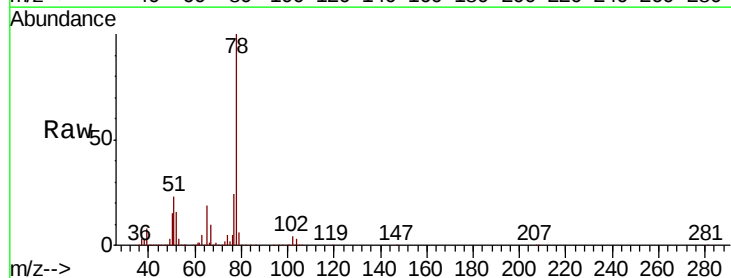
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

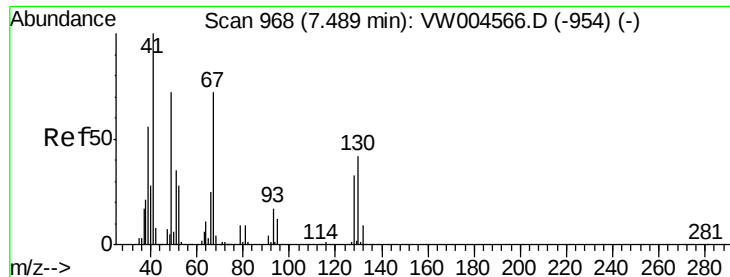
Tgt Ion: 83 Resp: 284827
Ion Ratio Lower Upper
83 100
55 80.5 62.5 93.7
98 46.4 35.4 53.2



#40
Benzene
Concen: 20.535 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 78 Resp: 675474
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

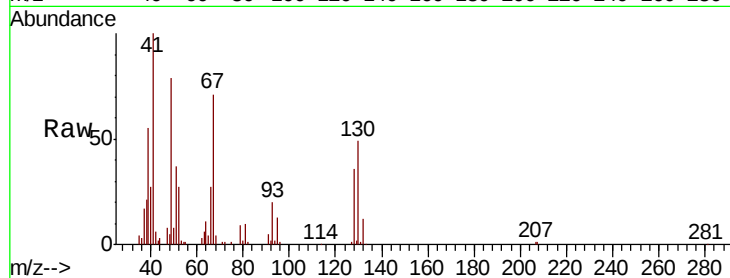




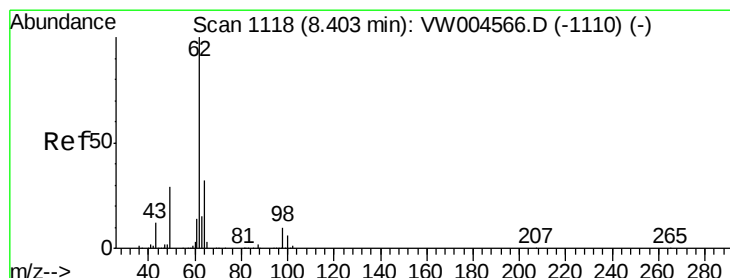
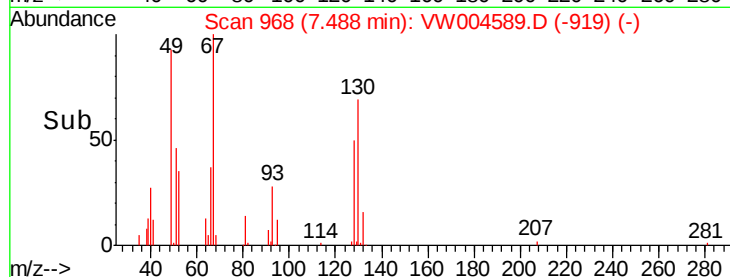
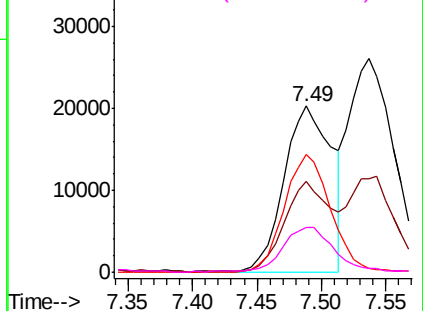
#41
Methacrylonitrile
Concen: 17.823 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

Tgt Ion:	41	Resp:	52225
Ion	Ratio	Lower	Upper
41	100		
39	52.7	46.2	69.2
67	68.9	60.8	91.2
52	28.3	23.8	35.6

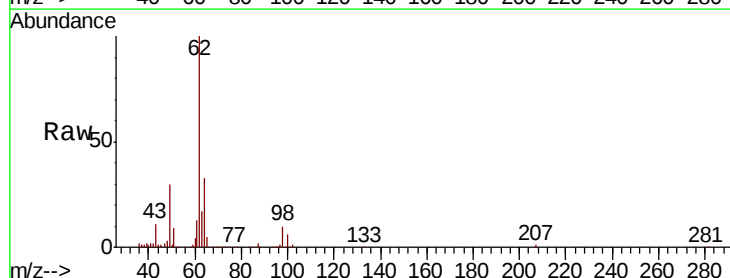


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

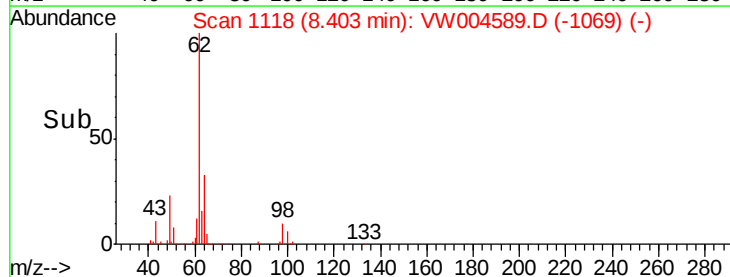
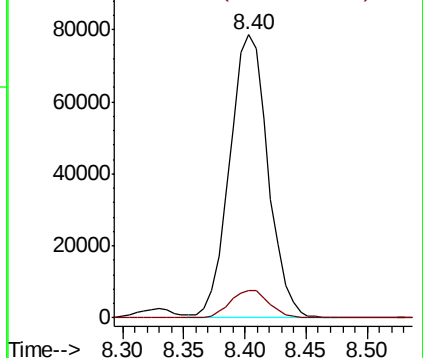


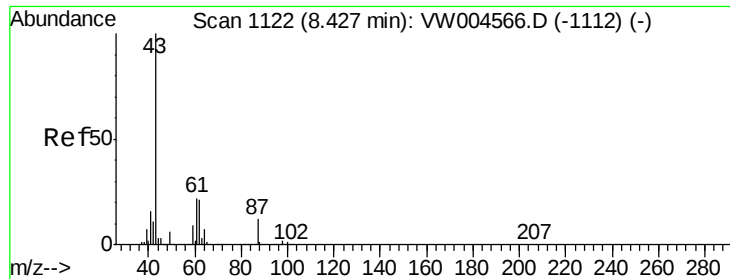
#42
1,2-Dichloroethane
Concen: 18.690 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion:	62	Resp:	170091
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 15.941 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

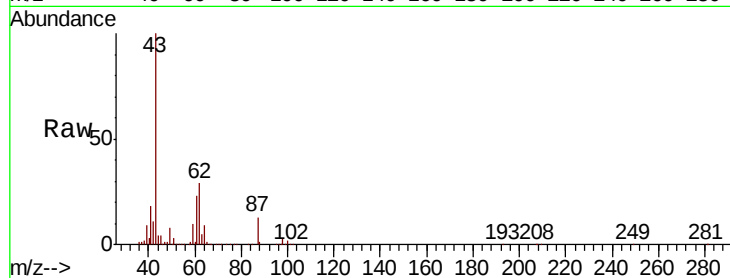
Tgt Ion: 43 Resp: 145773

Ion Ratio Lower Upper

43 100

61 33.6 25.2 37.8

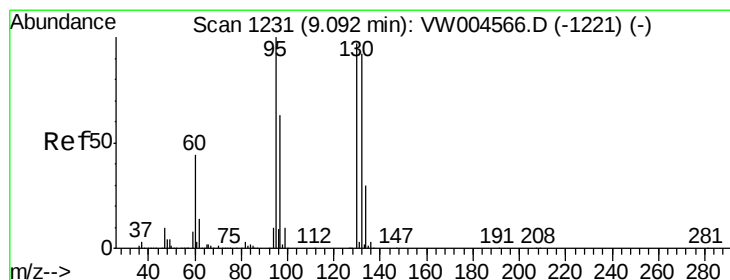
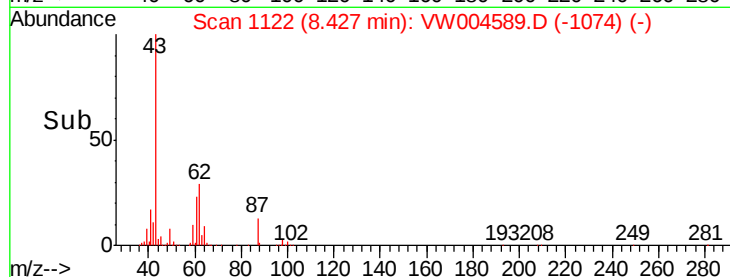
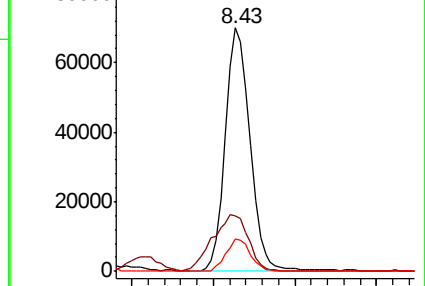
87 13.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.268 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004589.D

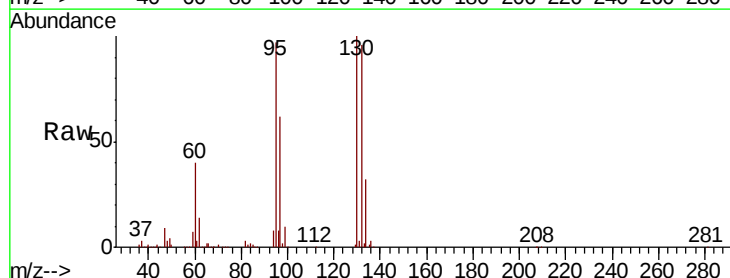
Acq: 10 Aug 2018 11:48

Tgt Ion: 130 Resp: 163825

Ion Ratio Lower Upper

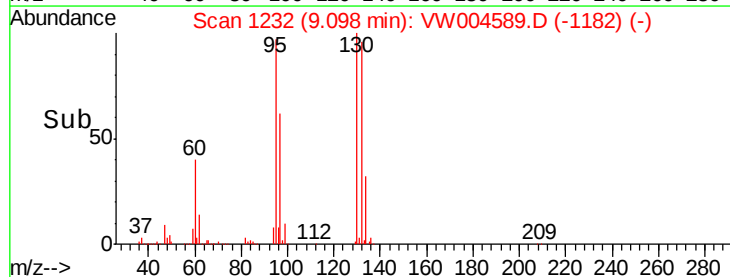
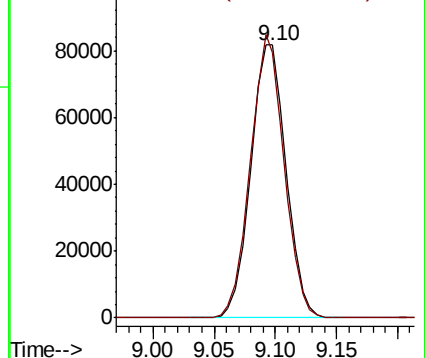
130 100

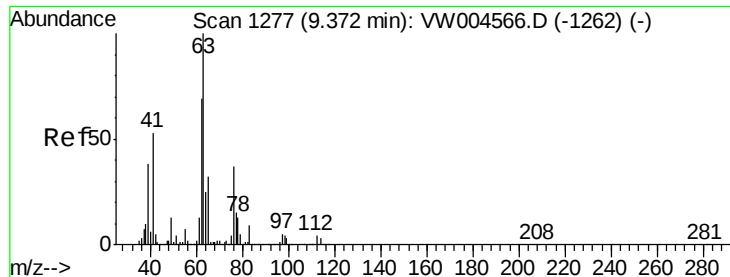
95 97.4 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

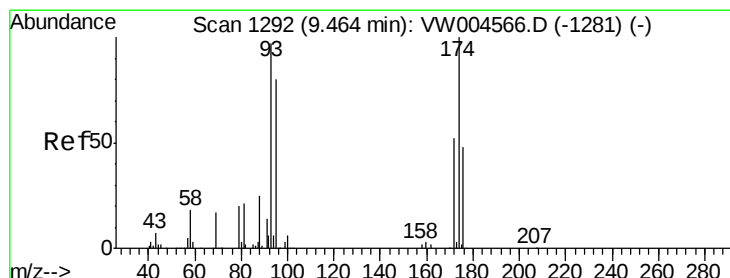
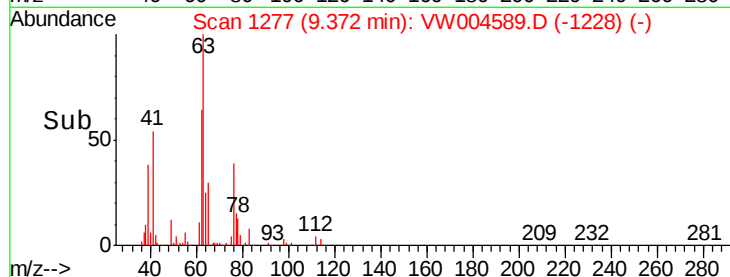
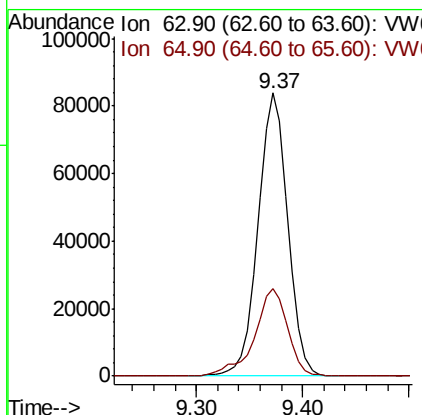
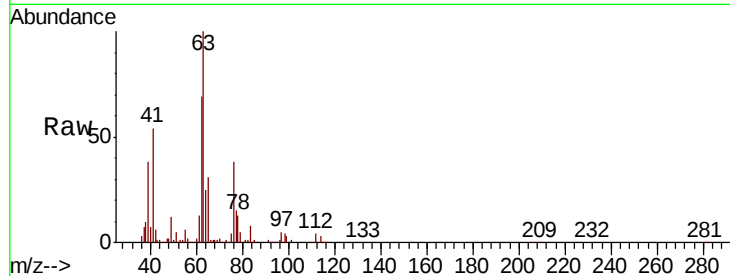




#45
 1,2-Dichloropropane
 Concen: 19.875 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

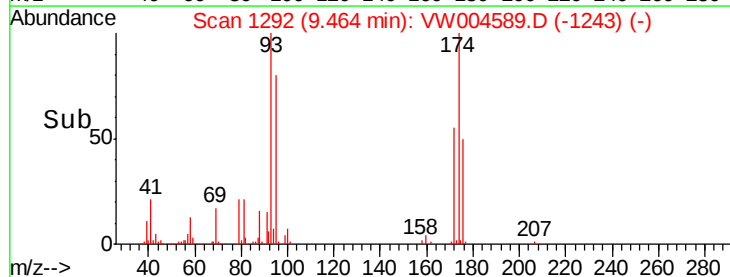
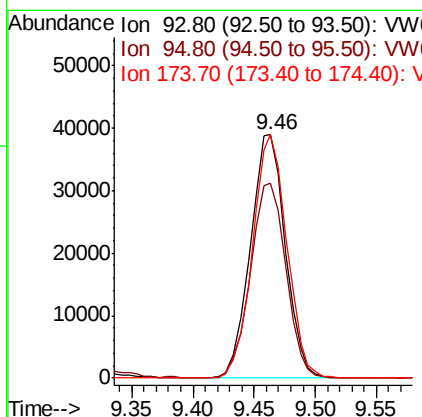
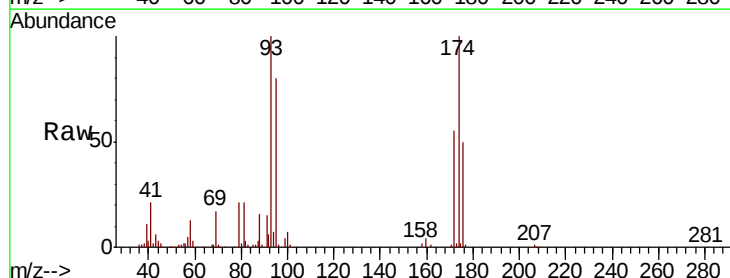
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

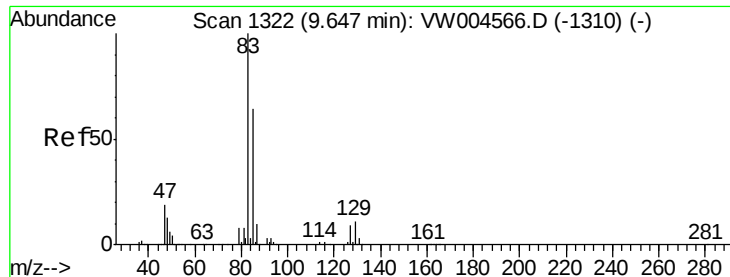
Tgt Ion: 63 Resp: 163724
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7



#46
 Dibromomethane
 Concen: 18.494 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 93 Resp: 77557
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.0 100.4
 174 98.3 80.2 120.4





#47

Bromodichloromethane

Concen: 18.999 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

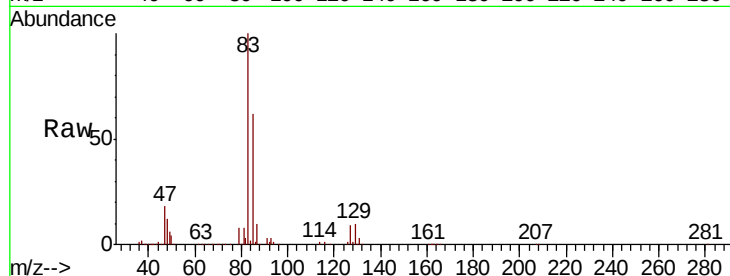
Tgt Ion: 83 Resp: 188068

Ion Ratio Lower Upper

83 100

85 62.2 50.7 76.1

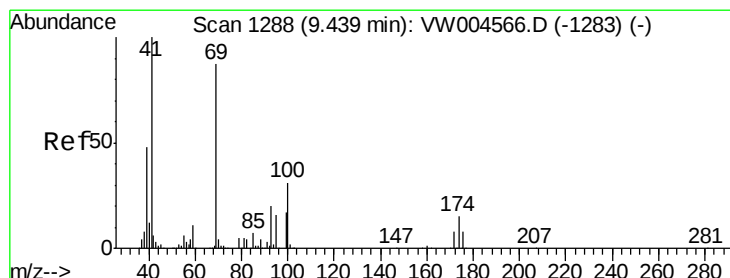
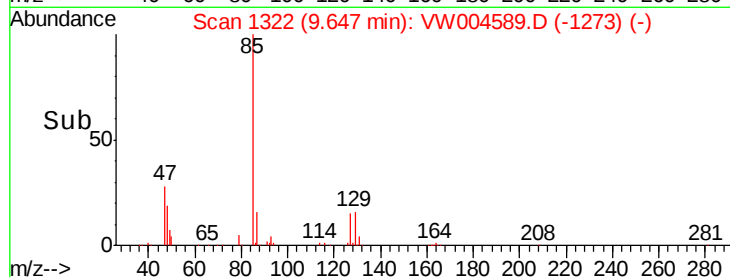
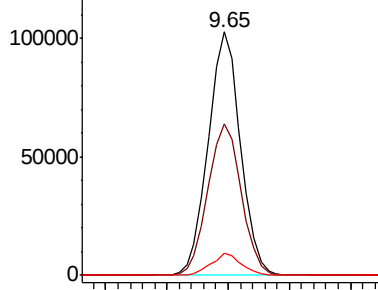
127 9.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.270 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

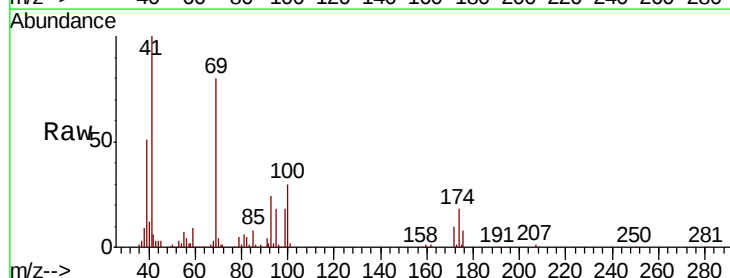
Tgt Ion: 41 Resp: 69539

Ion Ratio Lower Upper

41 100

69 89.5 73.2 109.8

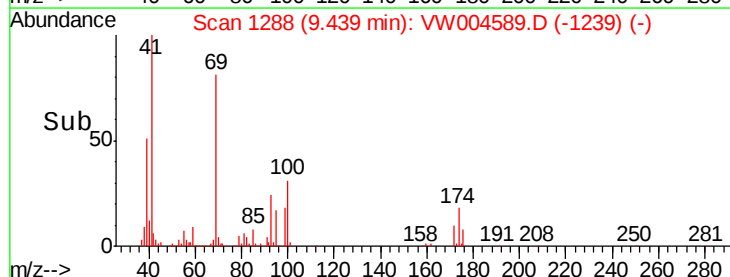
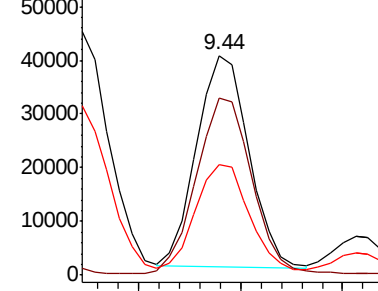
39 51.0 40.6 60.8

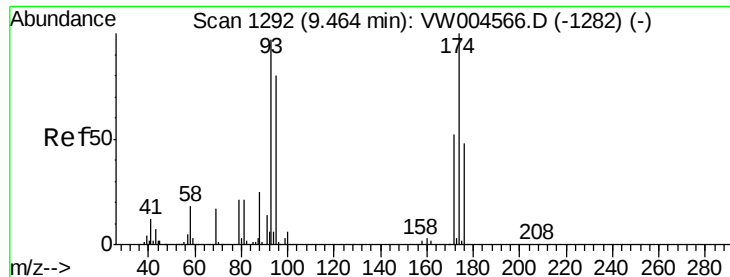


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 343.316 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

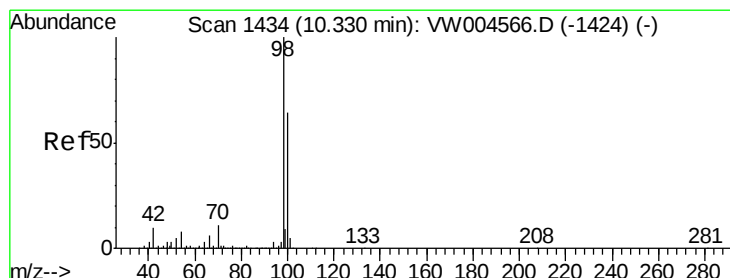
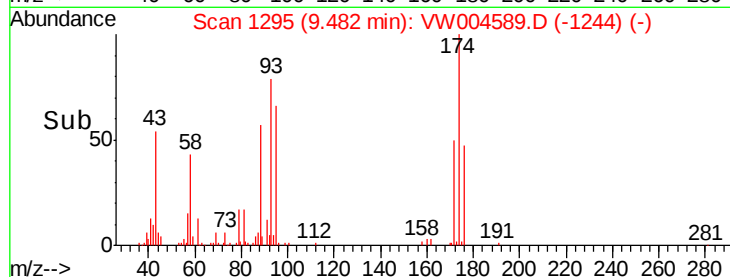
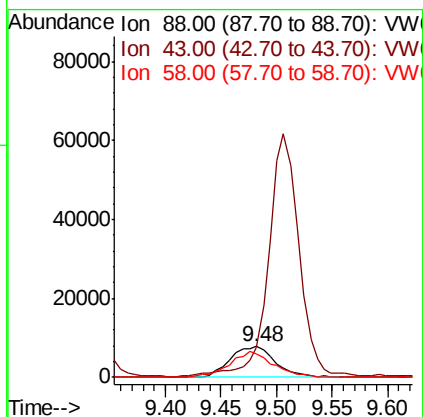
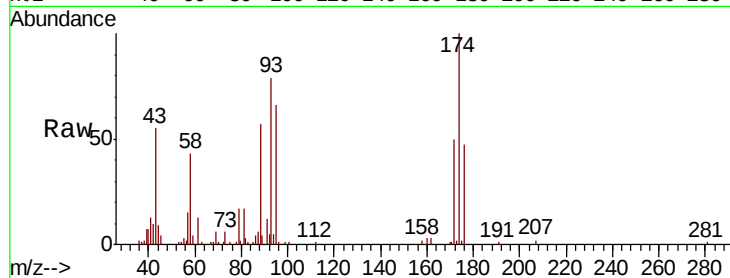
Tgt Ion: 88 Resp: 21965

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 82.0 63.5 95.3



#50

Toluene-d8

Concen: 52.899 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004589.D

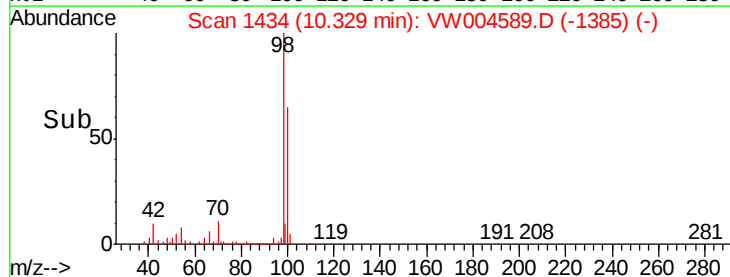
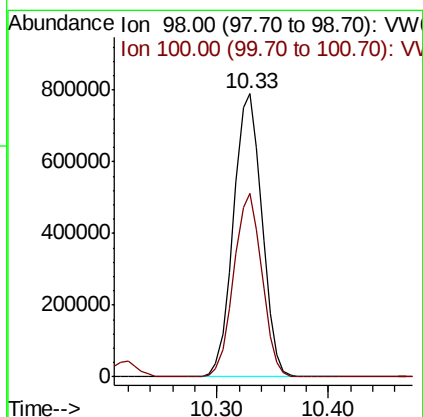
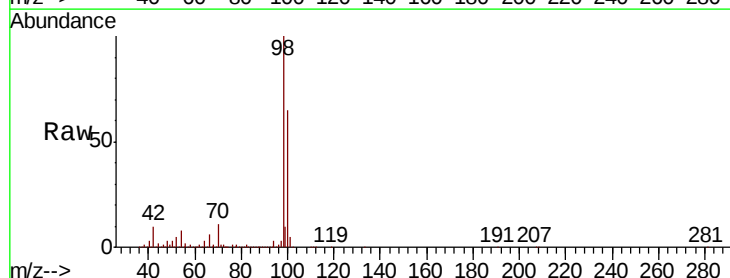
Acq: 10 Aug 2018 11:48

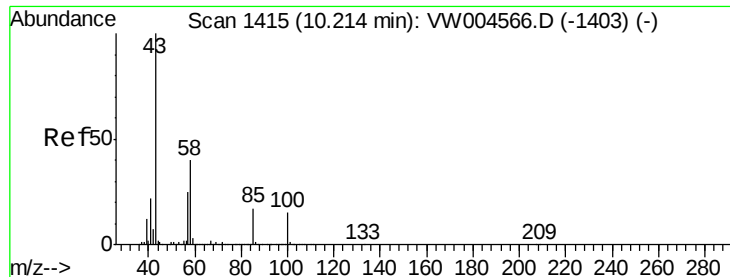
Tgt Ion: 98 Resp: 1398917

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2

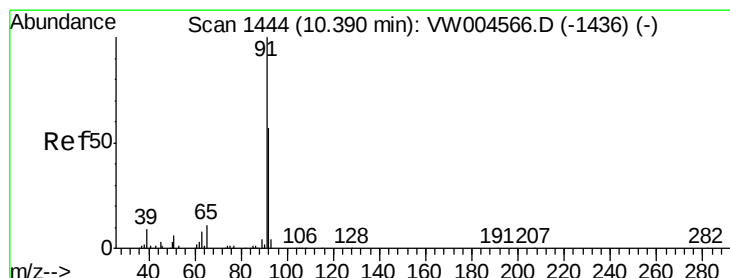
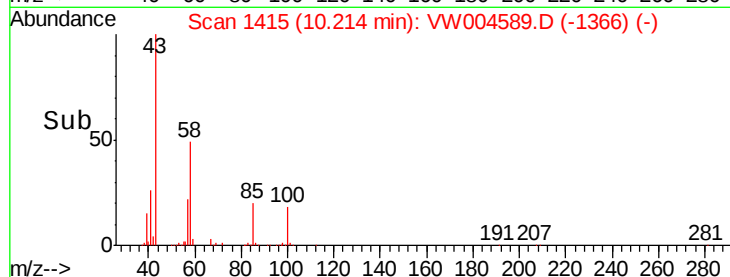
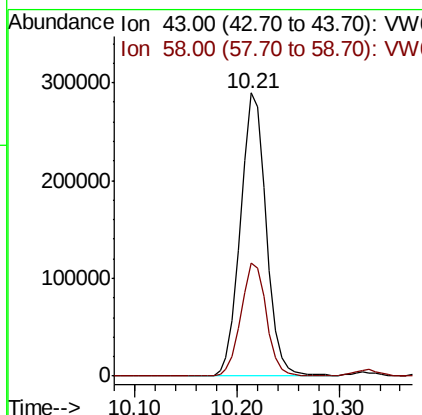
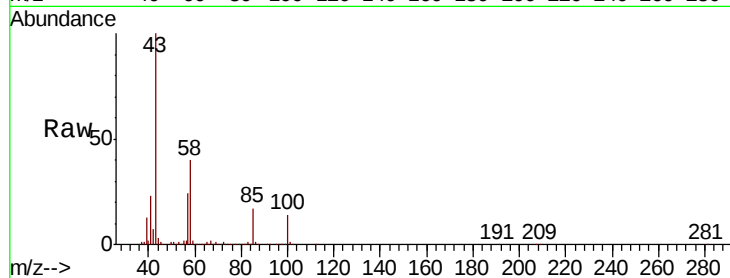




#51
 4-Methyl-2-Pentanone
 Concen: 79.540 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

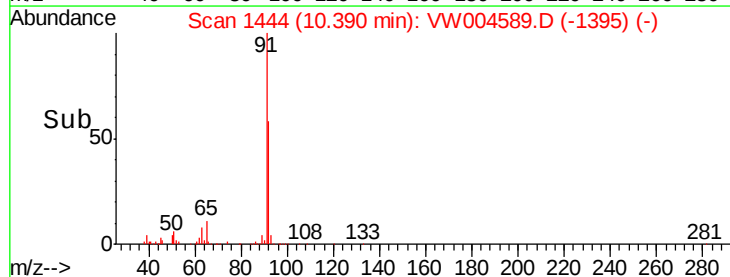
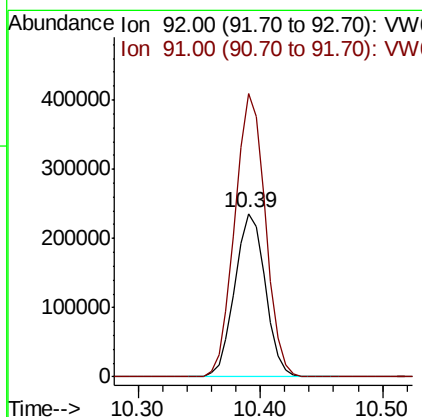
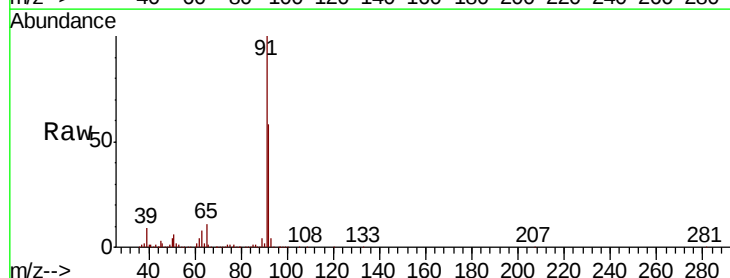
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

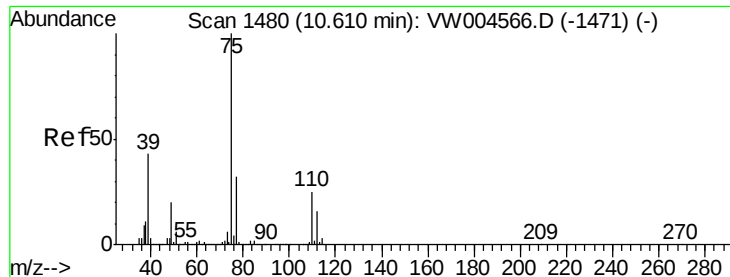
Tgt Ion: 43 Resp: 506305
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9



#52
 Toluene
 Concen: 21.030 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 92 Resp: 407924
 Ion Ratio Lower Upper
 92 100
 91 173.0 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 18.460 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

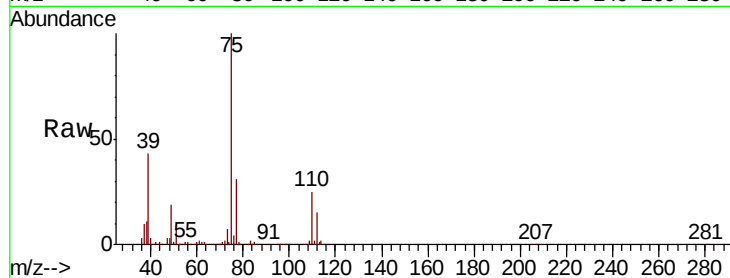
VW0813SBS01

Tgt Ion: 75 Resp: 183478

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

120000

100000

80000

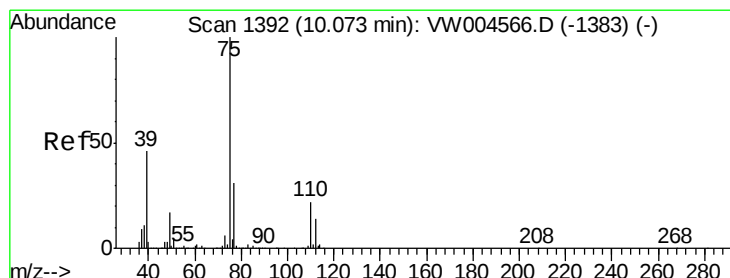
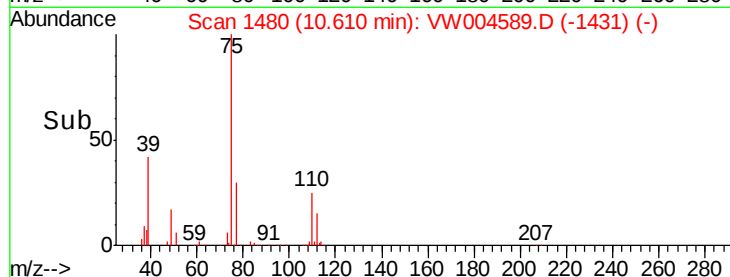
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.416 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

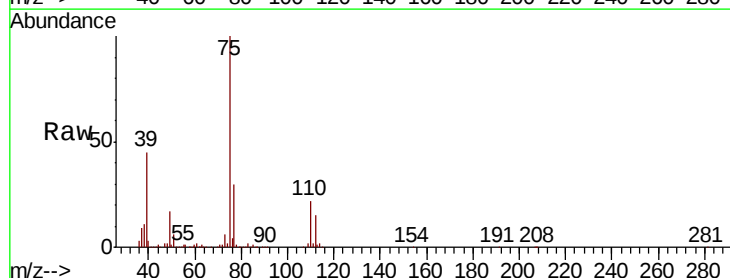
Tgt Ion: 75 Resp: 224900

Ion Ratio Lower Upper

75 100

77 30.4 25.3 37.9

39 44.7 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

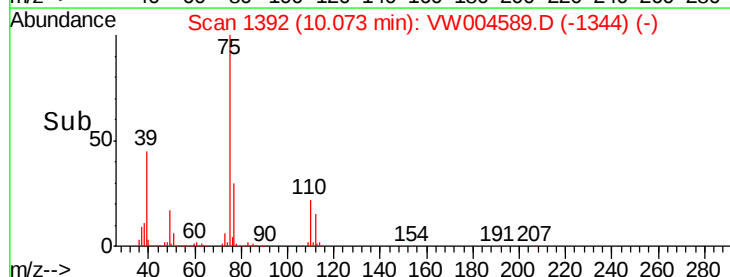
150000

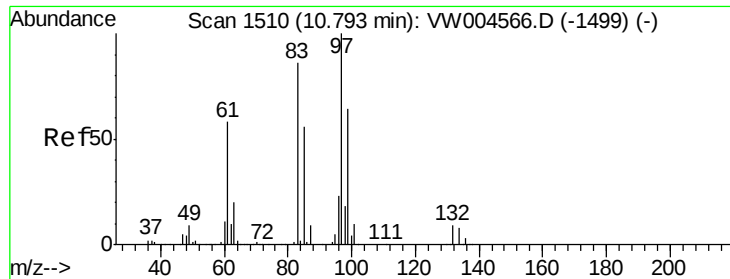
100000

50000

0

Time-->

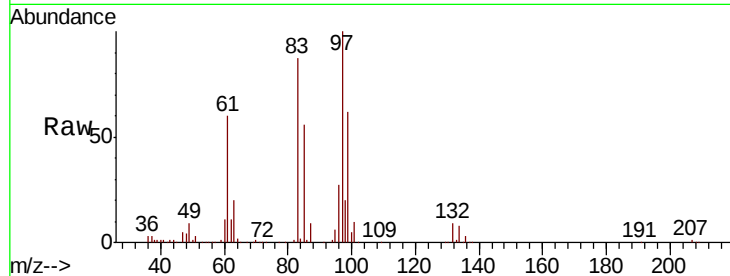




#55
 1,1,2-Trichloroethane
 Concen: 18.277 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

Tgt Ion:	97	Resp:	109856
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.8	104.8
85	56.4	45.1	67.7
99	62.2	50.3	75.5



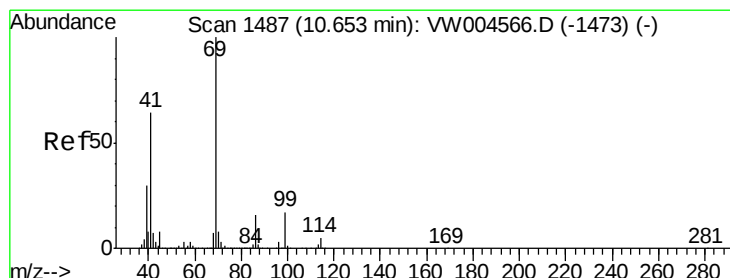
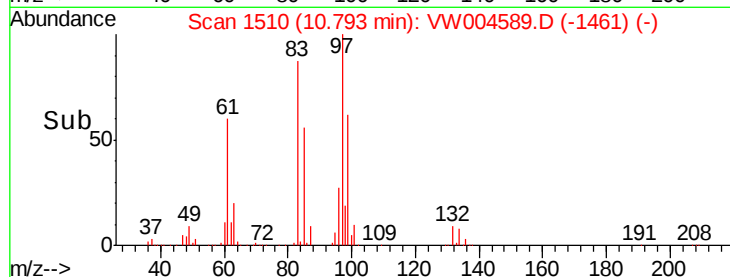
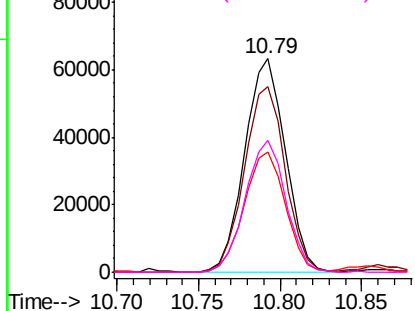
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

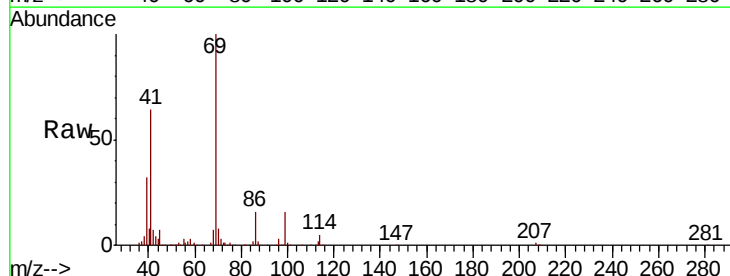
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 16.466 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion:	69	Resp:	118493
Ion	Ratio	Lower	Upper
69	100		
41	66.7	52.4	78.6
39	28.9	22.7	34.1

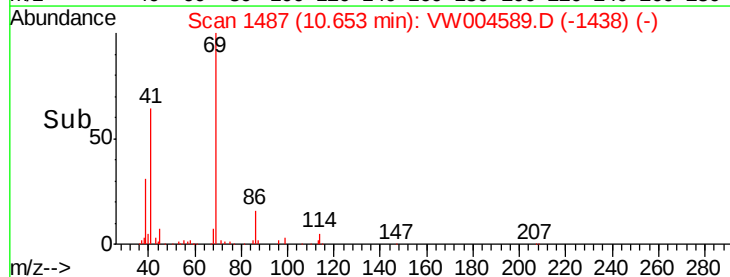
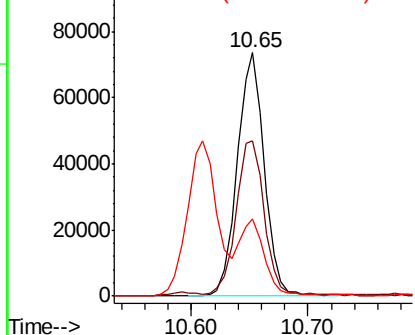


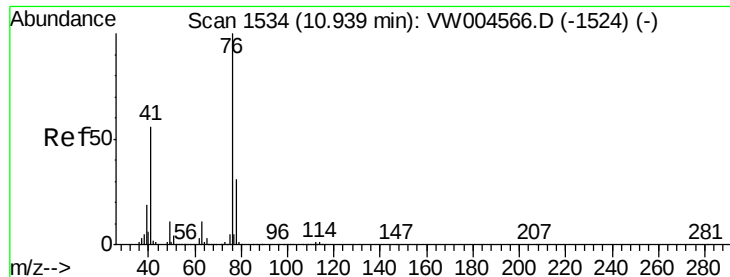
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 18.287 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

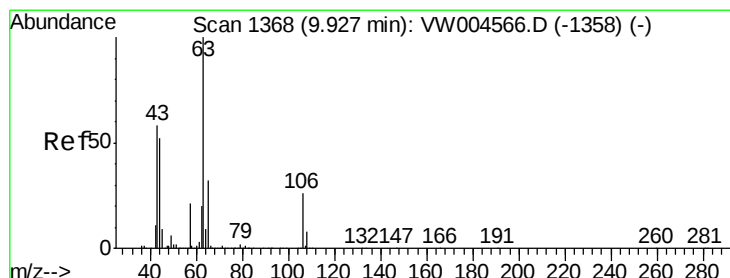
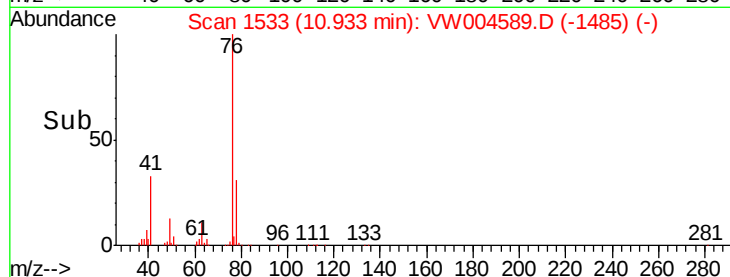
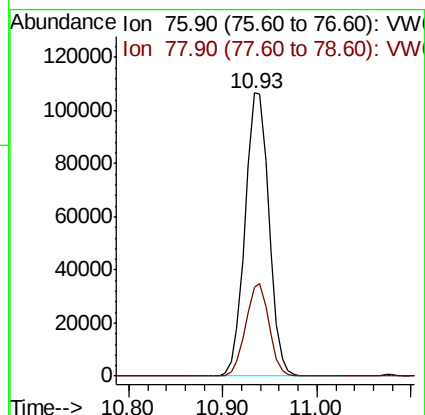
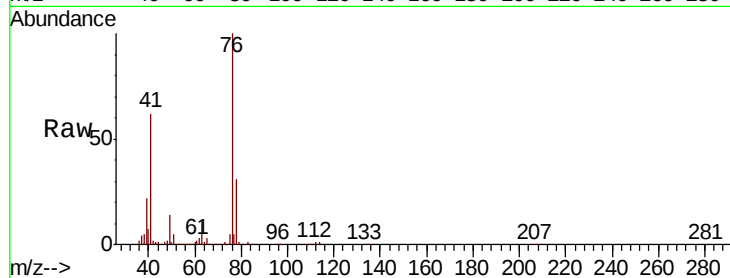
VW0813SBS01

Tgt Ion: 76 Resp: 189450

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 83.922 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004589.D

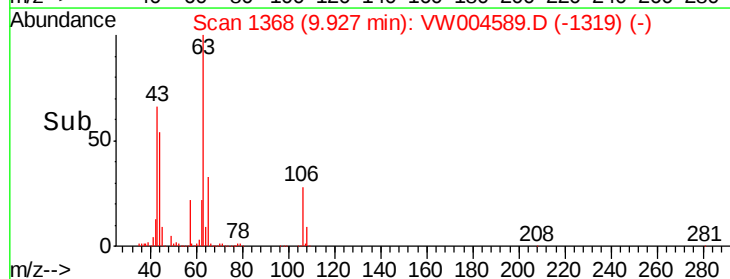
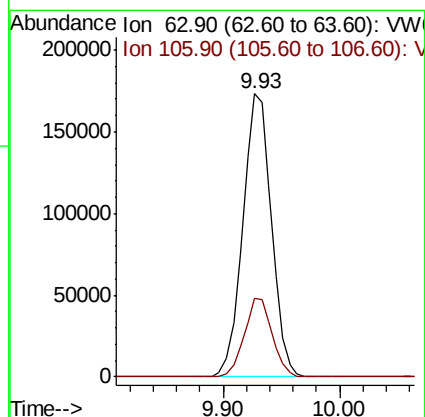
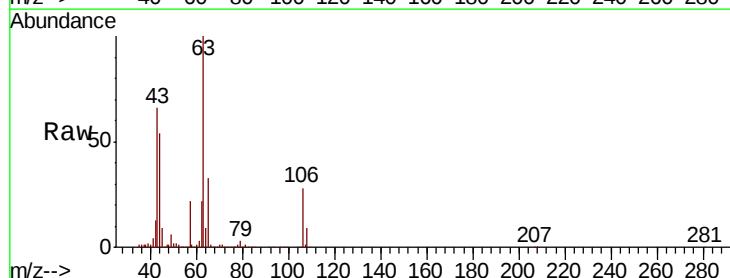
Acq: 10 Aug 2018 11:48

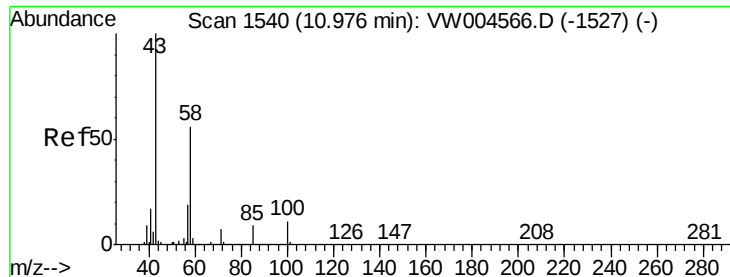
Tgt Ion: 63 Resp: 297174

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9

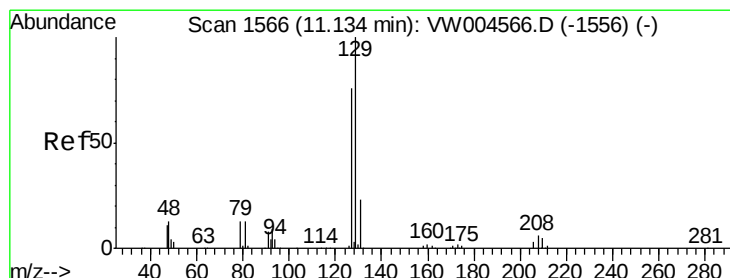
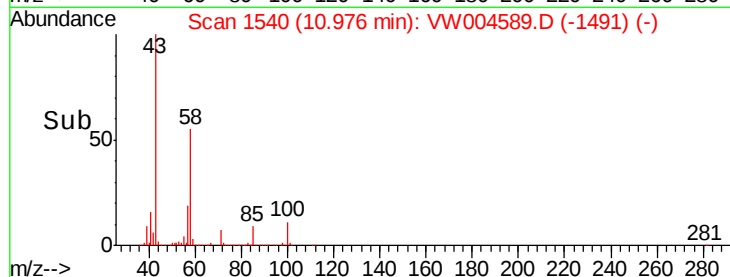
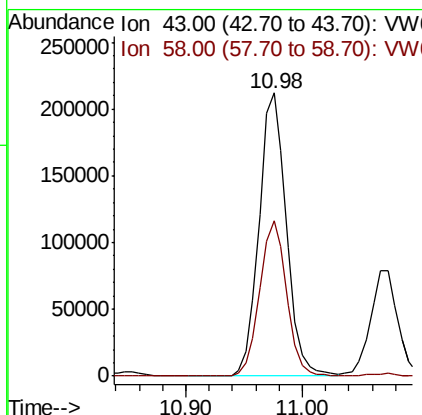
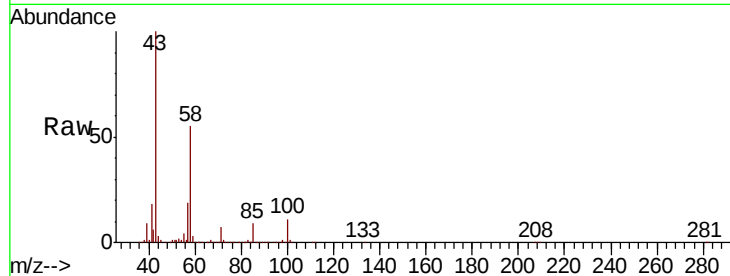




#59
2-Hexanone
Concen: 80.588 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

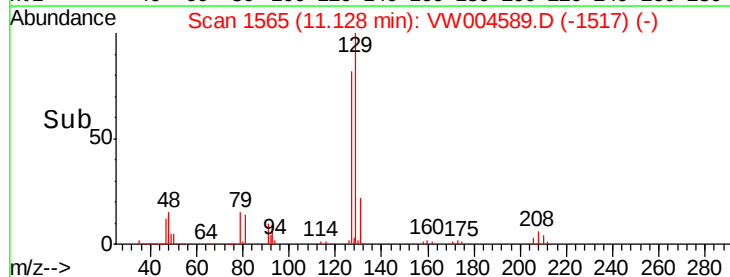
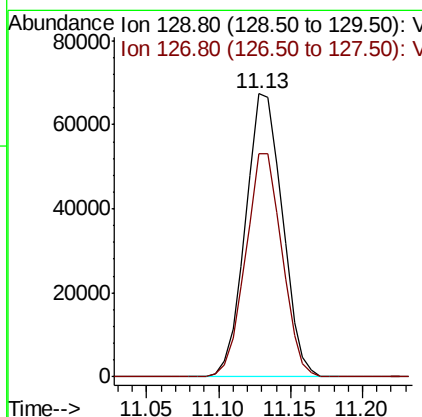
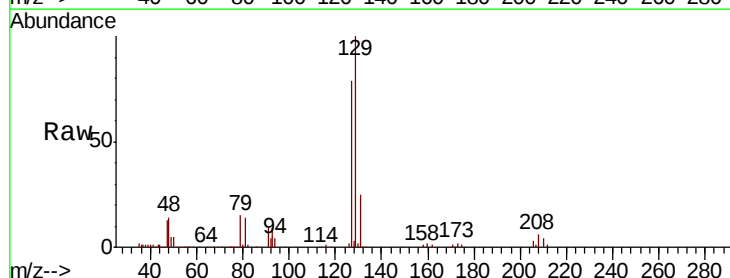
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

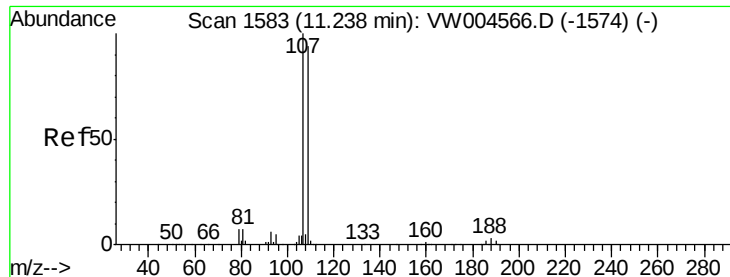
Tgt Ion: 43 Resp: 347800
Ion Ratio Lower Upper
43 100
58 54.1 27.9 83.6



#60
Dibromochloromethane
Concen: 18.243 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 129 Resp: 119260
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8

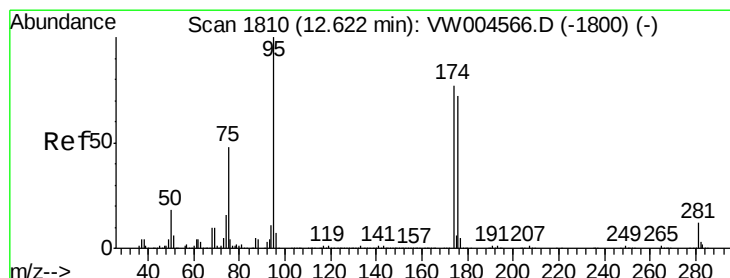
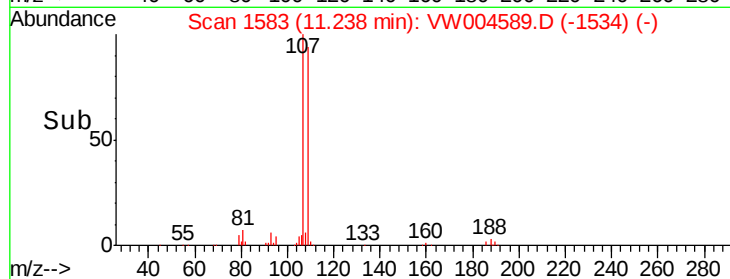
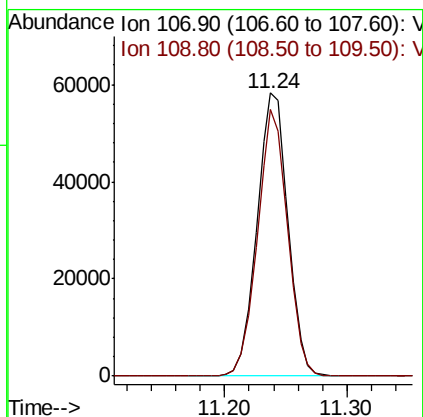
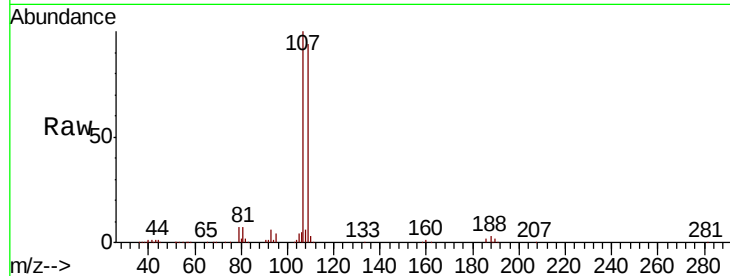




#61
 1,2-Dibromoethane
 Concen: 18.119 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

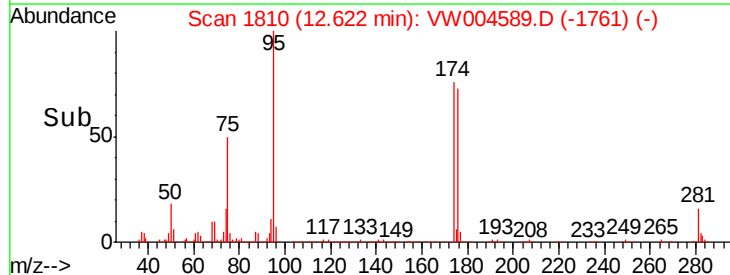
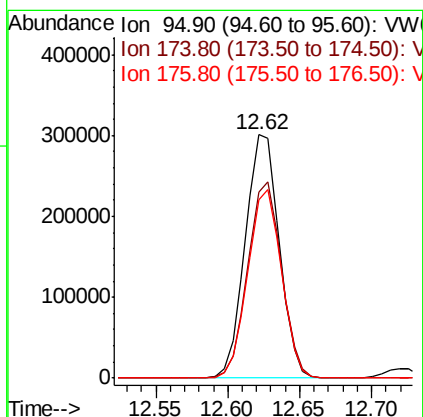
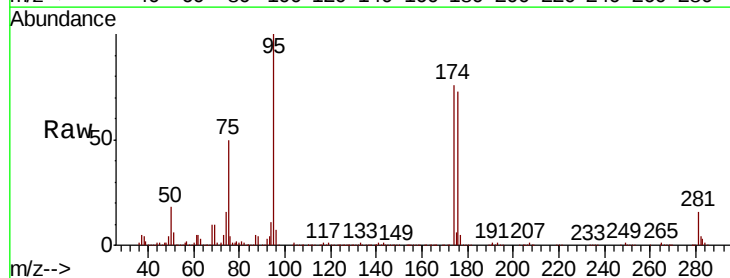
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

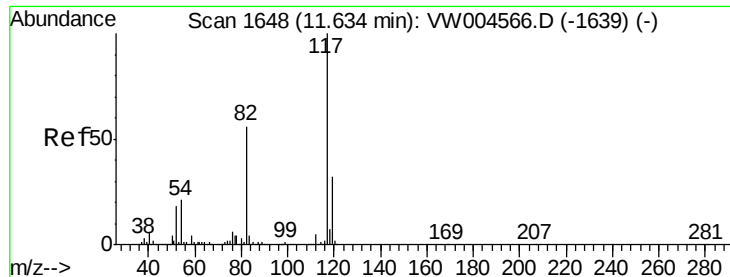
Tgt Ion: 107 Resp: 102317
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.599 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 95 Resp: 491532
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 160.4
 176 76.9 0.0 153.2

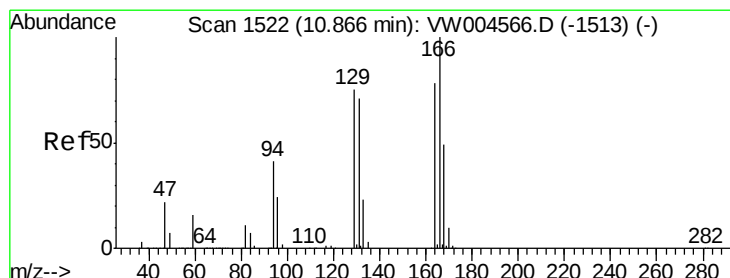
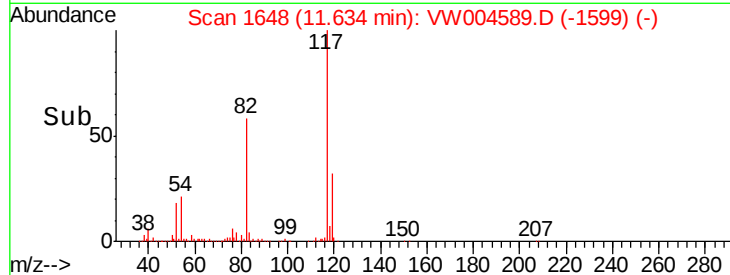
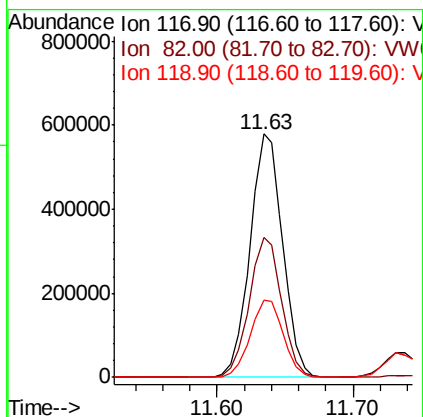
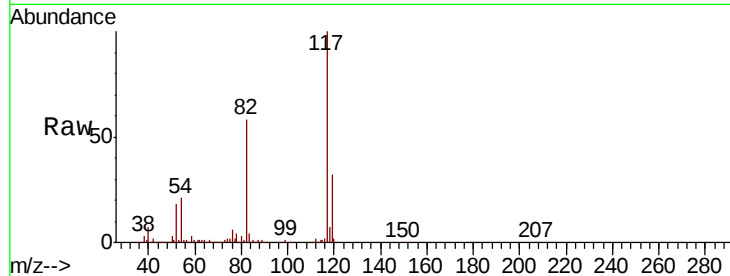




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

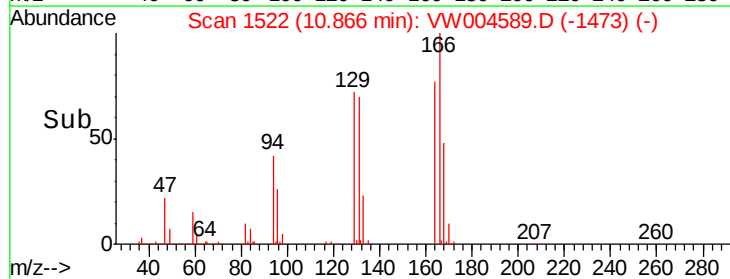
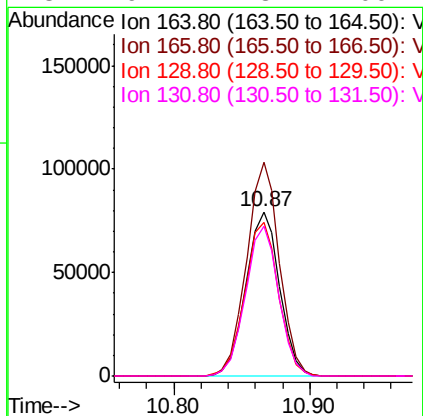
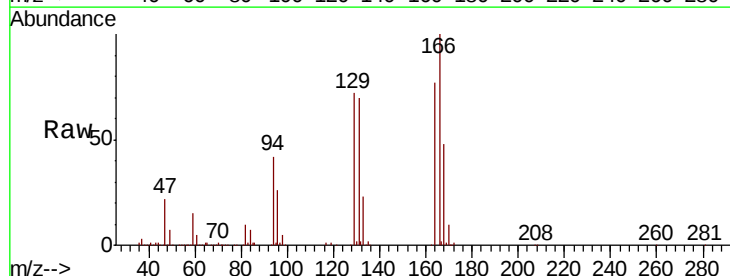
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

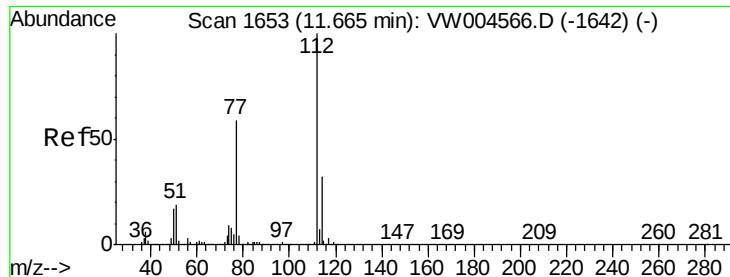
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.3	67.9
119	32.0	26.2	39.4



#64
Tetrachloroethene
Concen: 20.113 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	98.4	147.6
129	93.8	73.6	110.4
131	91.2	73.1	109.7

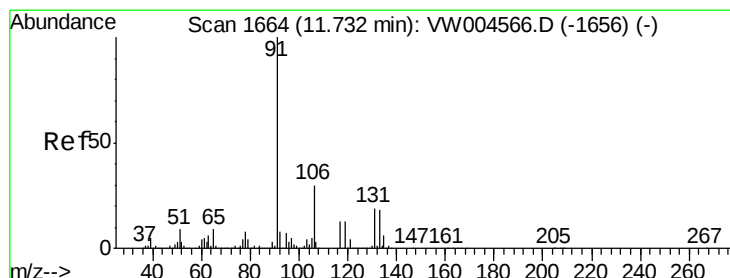
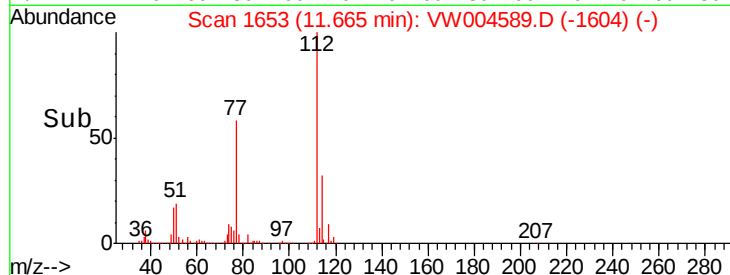
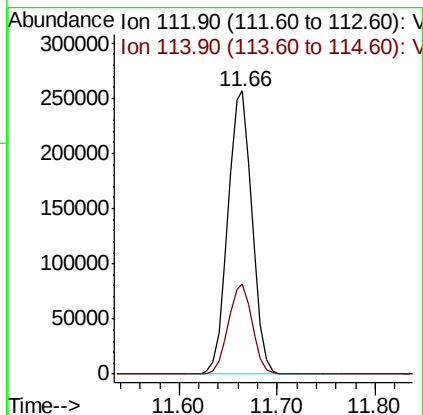
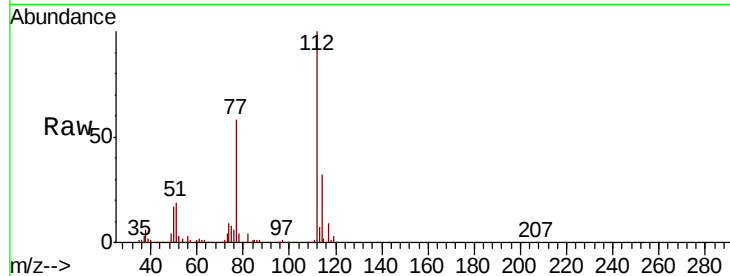




#65
Chlorobenzene
Concen: 20.348 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

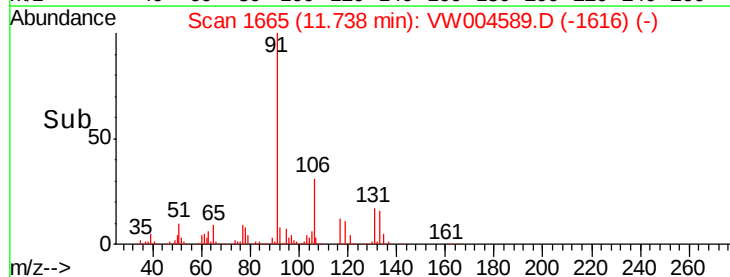
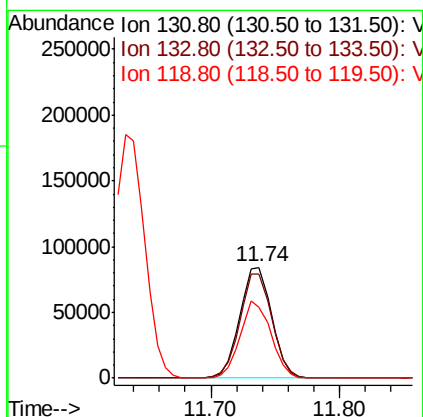
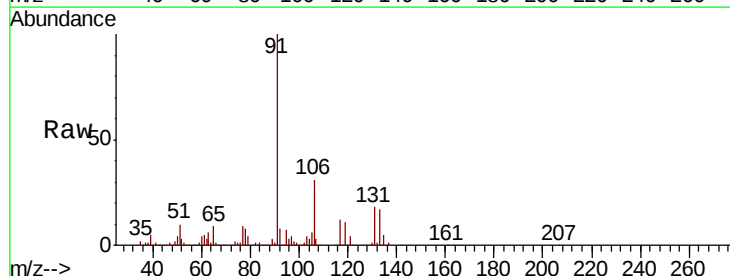
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

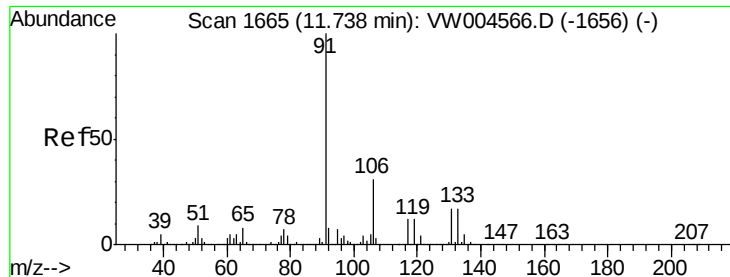
Tgt Ion:112 Resp: 437715
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.676 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion:131 Resp: 144105
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.4
119 67.3 33.9 101.7

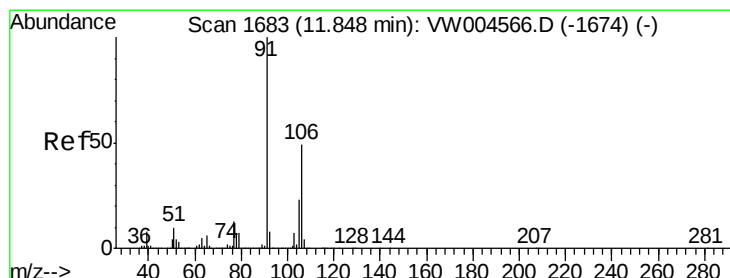
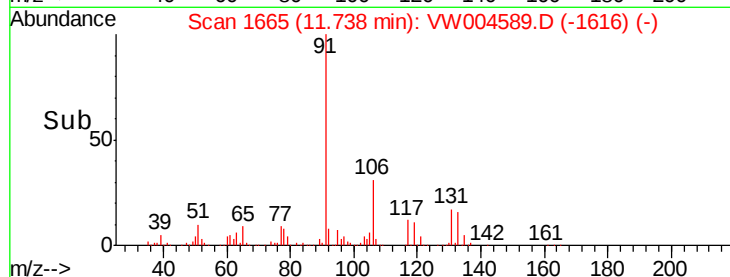
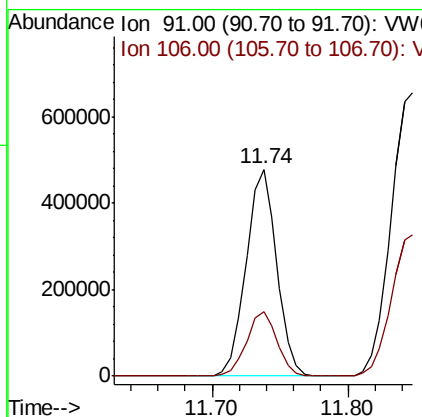
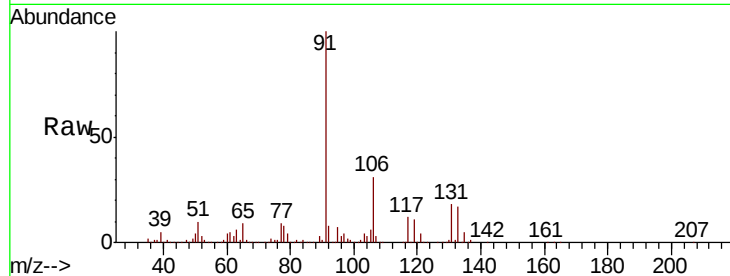




#67
Ethyl Benzene
Concen: 20.679 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

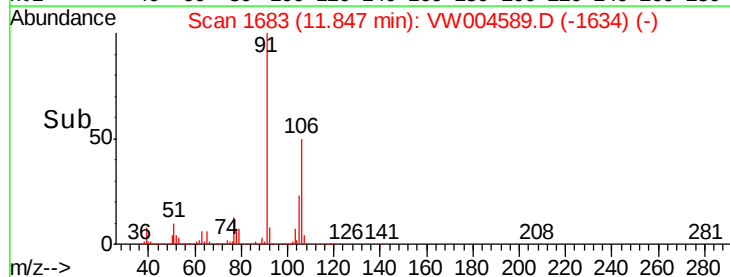
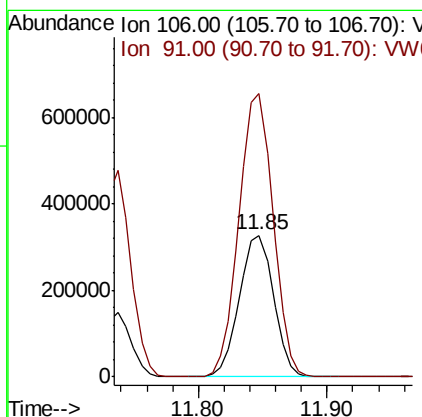
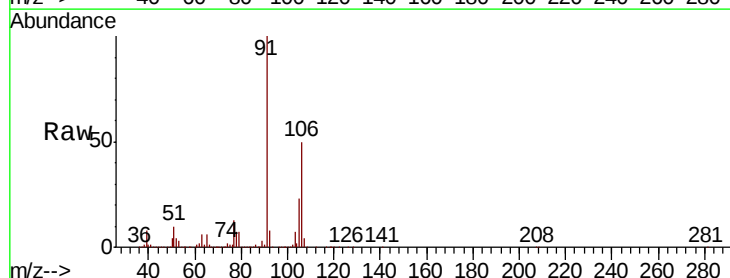
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

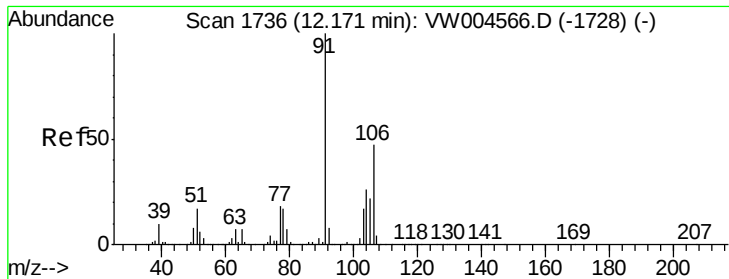
Tgt Ion: 91 Resp: 754072
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.2



#68
m/p-Xylenes
Concen: 42.783 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion: 106 Resp: 602935
Ion Ratio Lower Upper
106 100
91 200.2 162.8 244.2

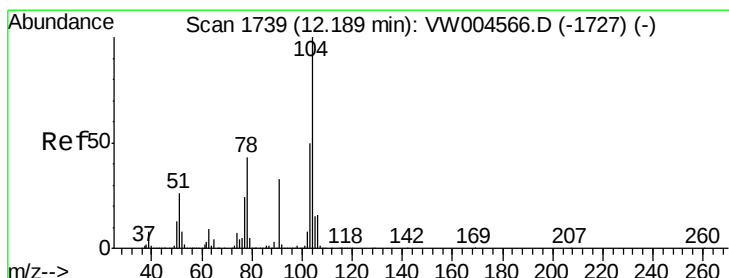
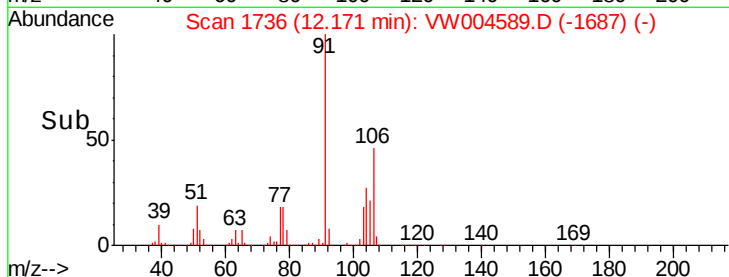
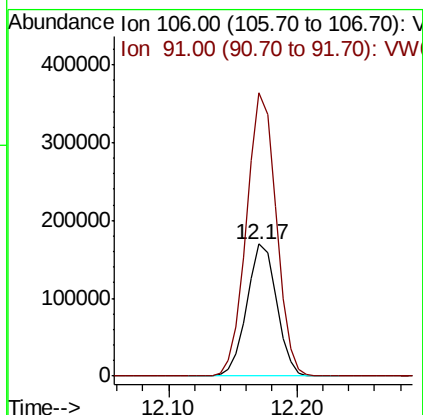
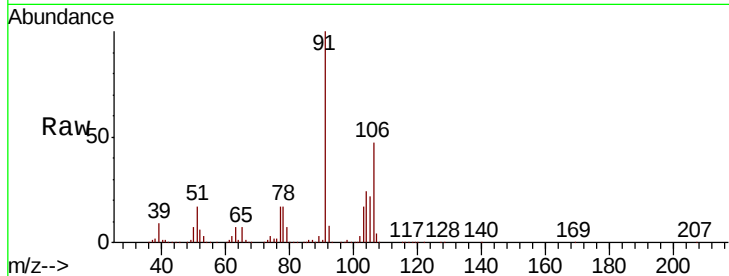




#69
o-Xylene
Concen: 20.694 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

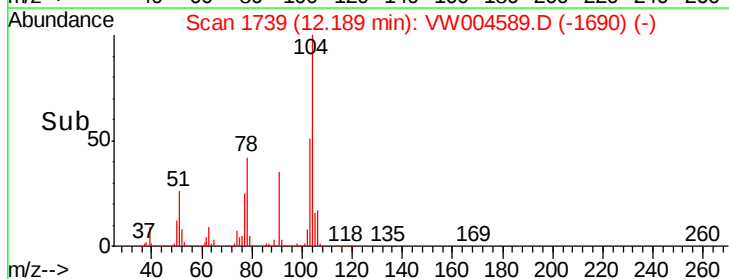
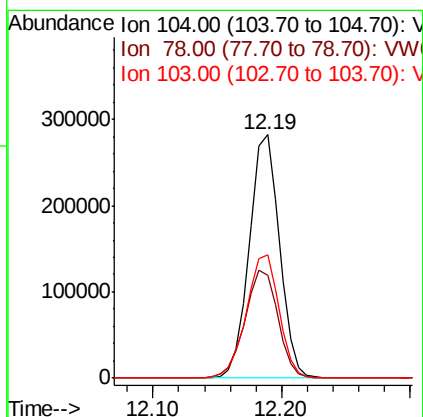
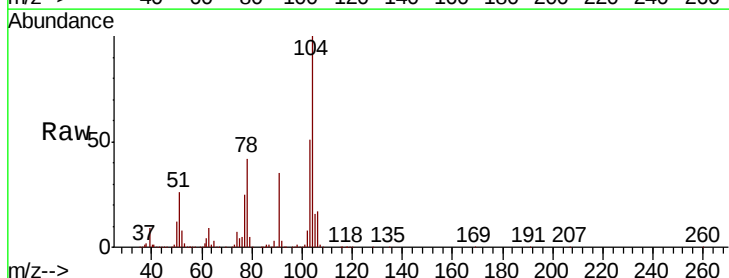
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

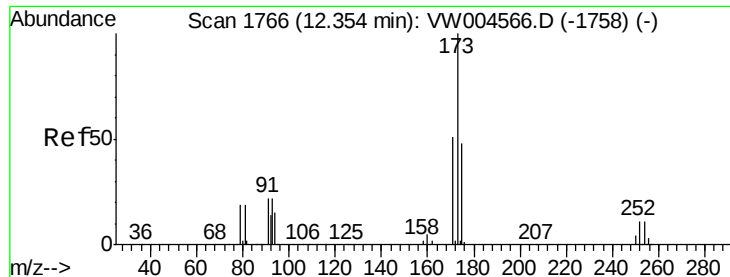
Tgt Ion:106 Resp: 270468
Ion Ratio Lower Upper
106 100
91 214.1 106.7 320.2



#70
Styrene
Concen: 20.583 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion:104 Resp: 454527
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 55.2 44.2 66.2





#71

Bromoform

Concen: 17.187 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

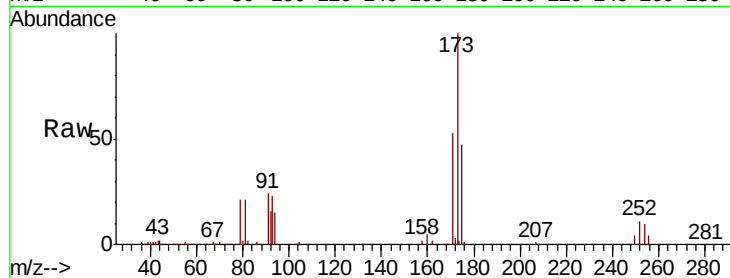
Tgt Ion:173 Resp: 69194

Ion Ratio Lower Upper

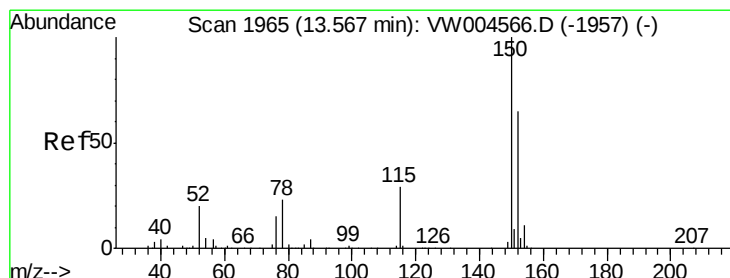
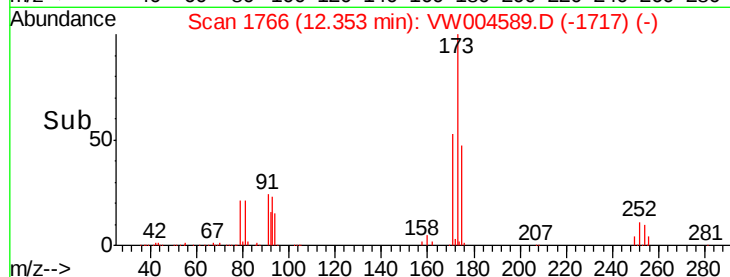
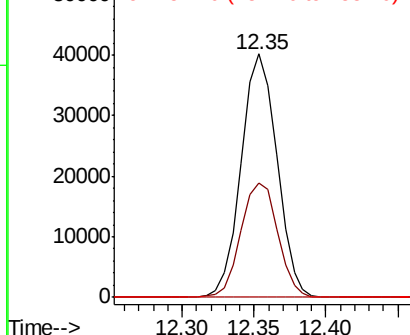
173 100

175 48.5 24.5 73.5

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

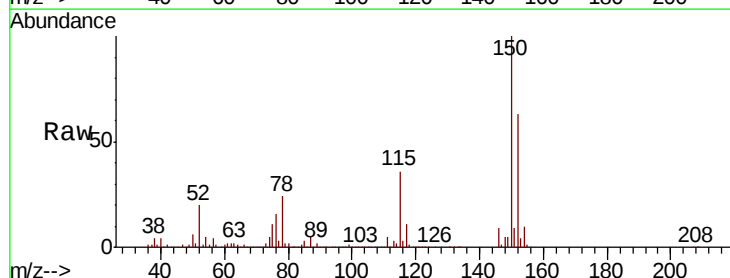
Tgt Ion:152 Resp: 519053

Ion Ratio Lower Upper

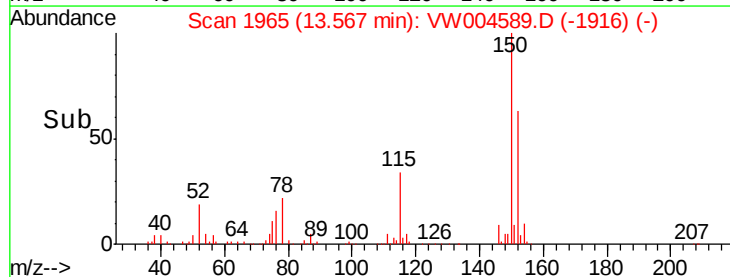
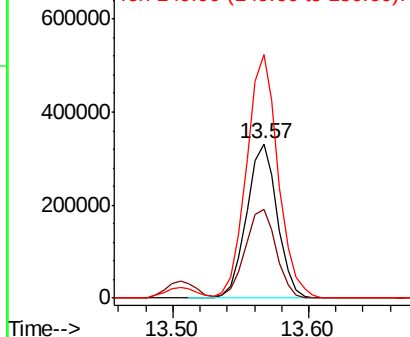
152 100

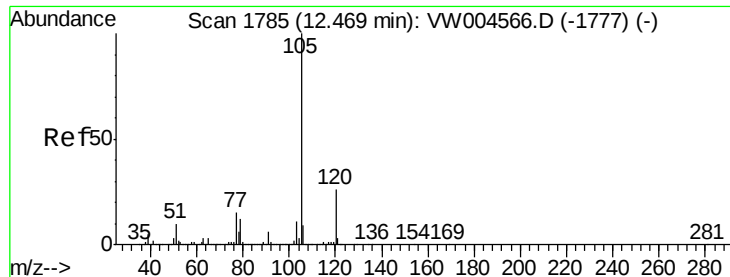
115 58.6 29.1 87.3

150 164.0 0.0 349.6



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: 20.932 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

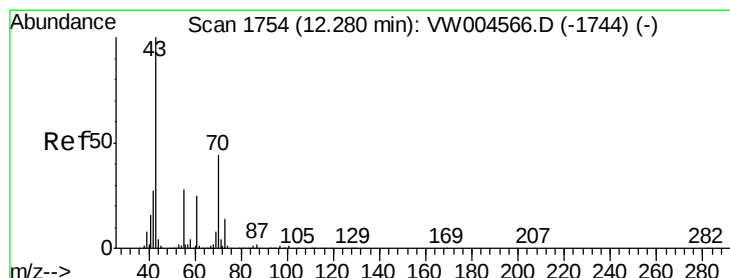
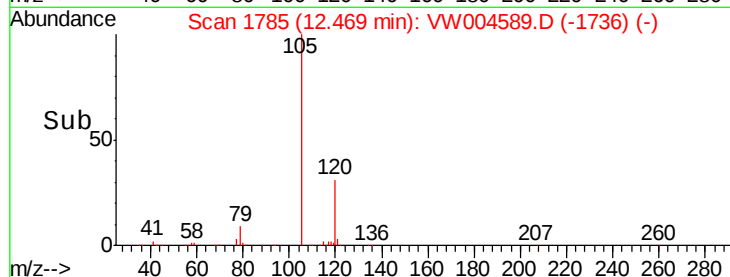
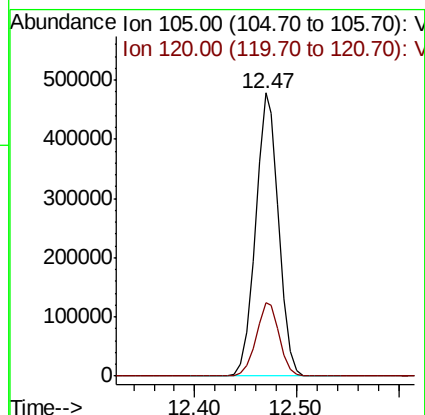
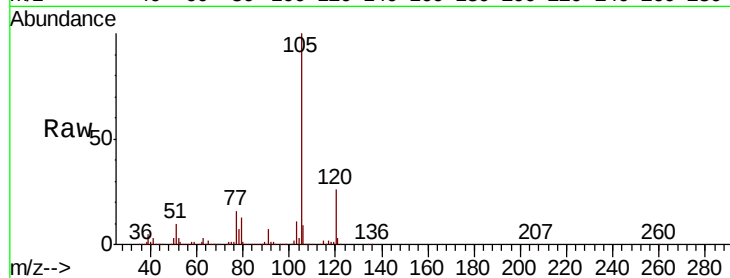
VW0813SBS01

Tgt Ion: 105 Resp: 751507

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 16.019 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Tgt Ion: 43 Resp: 139459

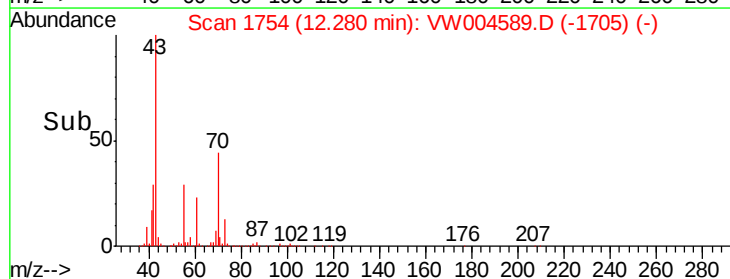
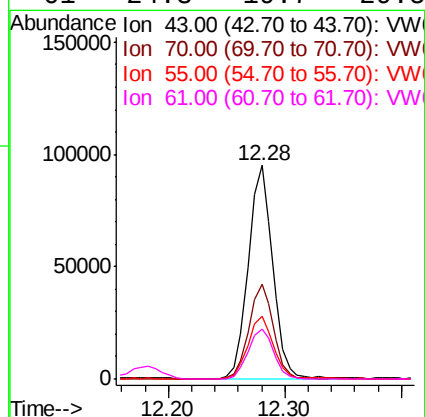
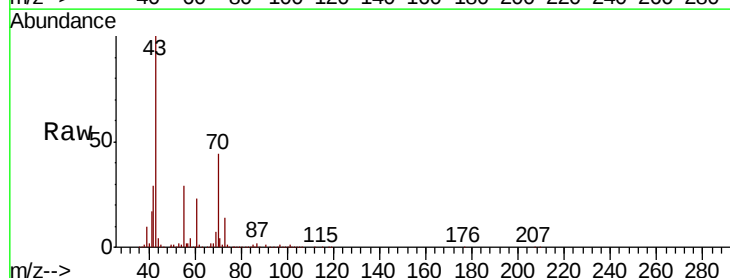
Ion Ratio Lower Upper

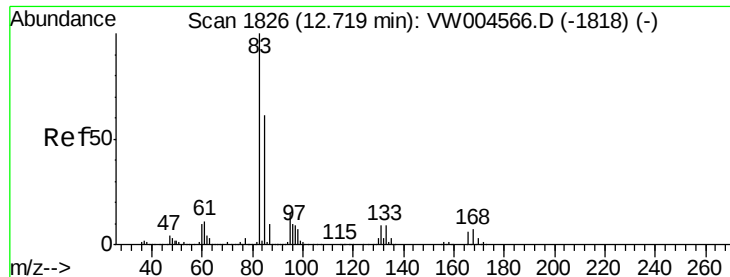
43 100

70 44.5 35.3 52.9

55 31.2 22.9 34.3

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.556 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampled :

VW0813SBS01

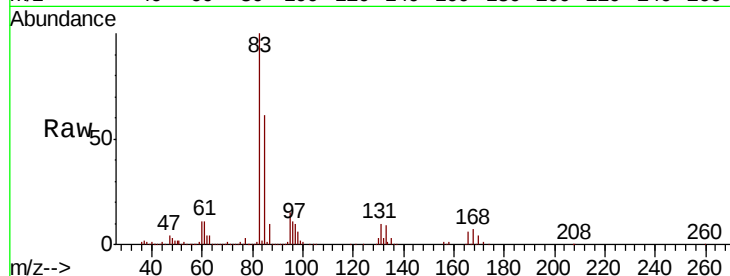
Tgt Ion: 83 Resp: 131575

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

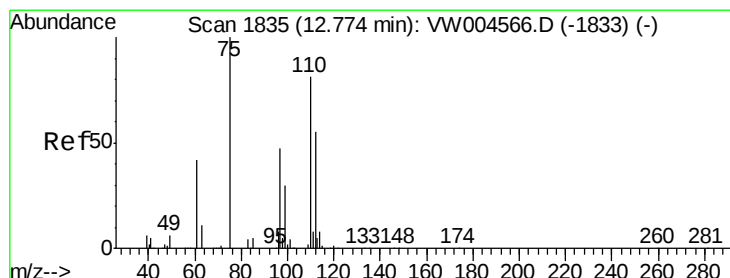
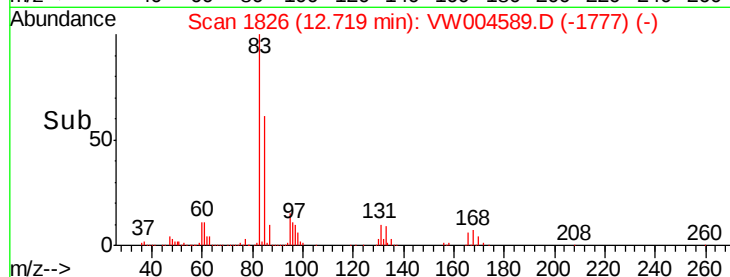
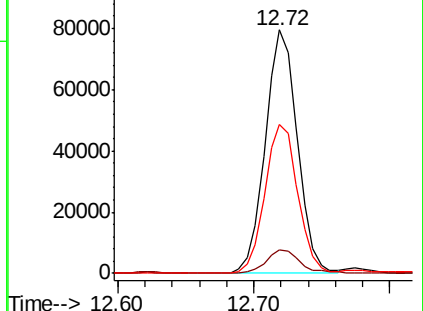
85 62.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 30.492 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004589.D

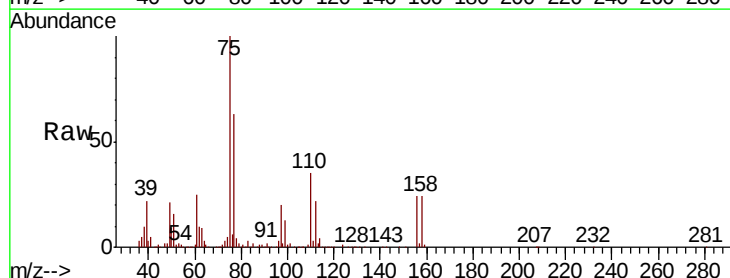
Acq: 10 Aug 2018 11:48

Tgt Ion: 75 Resp: 163772

Ion Ratio Lower Upper

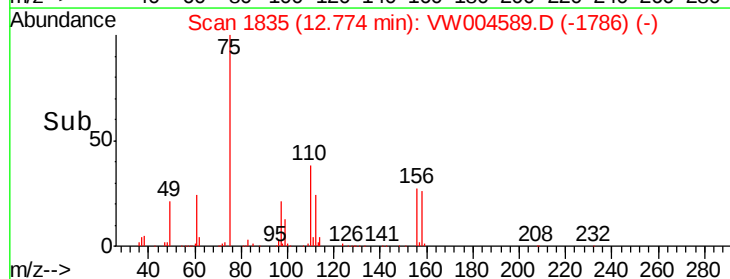
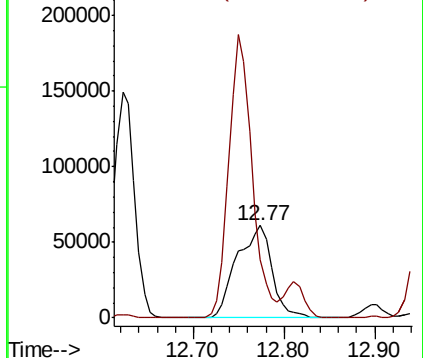
75 100

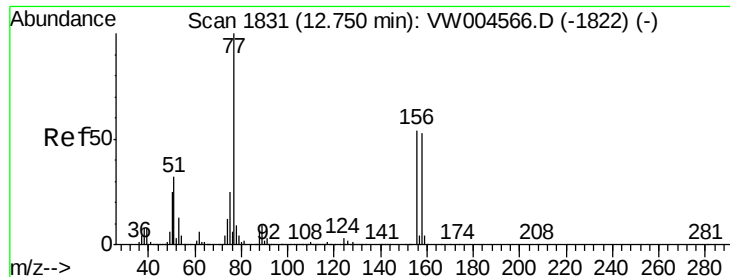
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.999 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

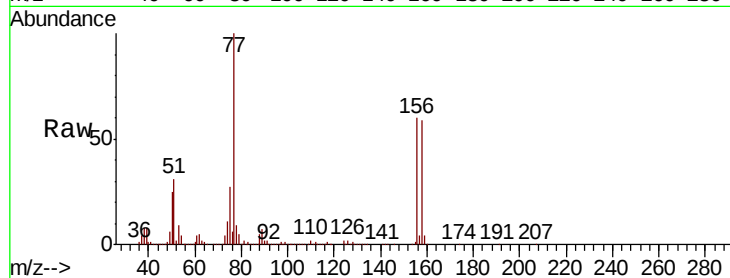
Tgt Ion: 156 Resp: 173717

Ion Ratio Lower Upper

156 100

77 193.8 98.7 296.1

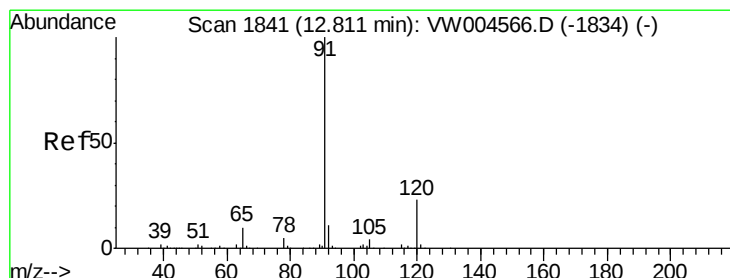
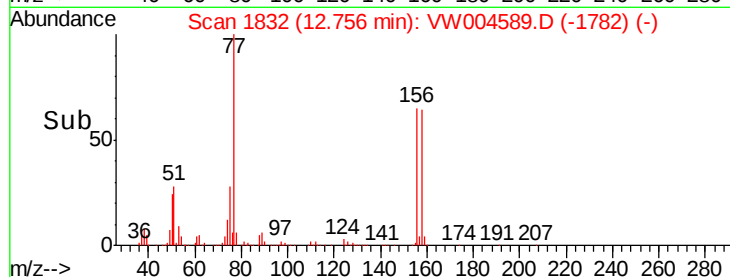
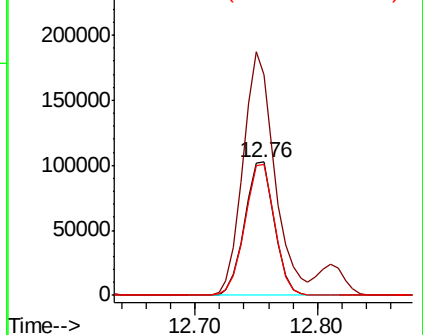
158 98.4 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.544 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004589.D

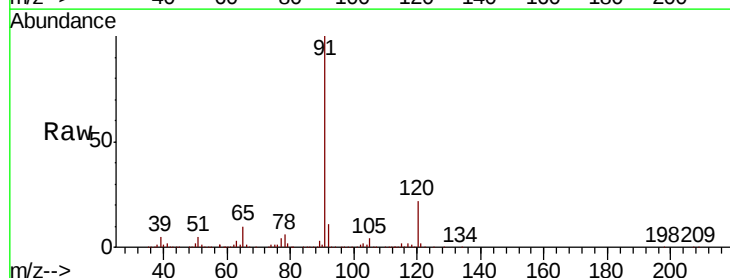
Acq: 10 Aug 2018 11:48

Tgt Ion: 91 Resp: 954437

Ion Ratio Lower Upper

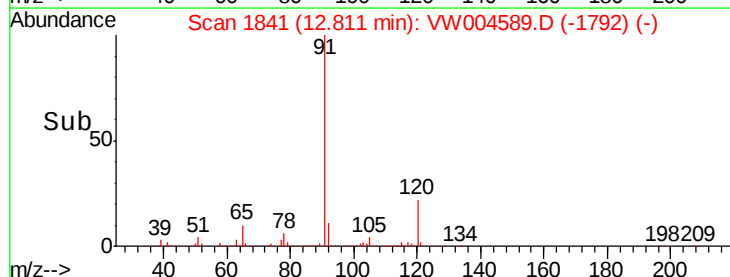
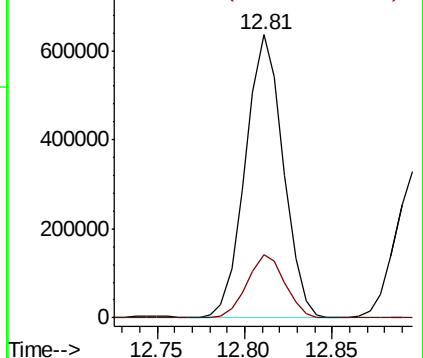
91 100

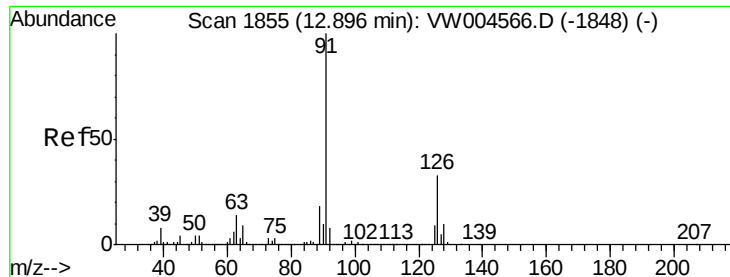
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

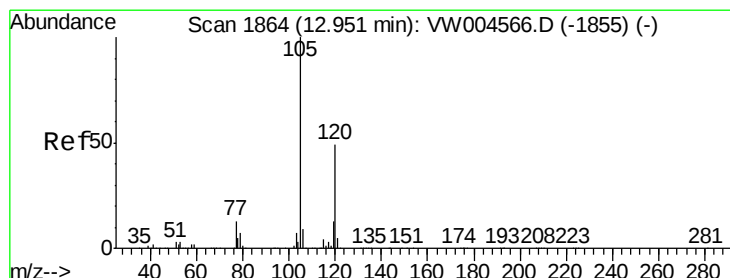
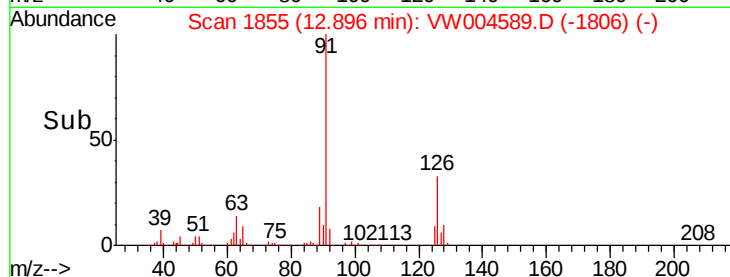
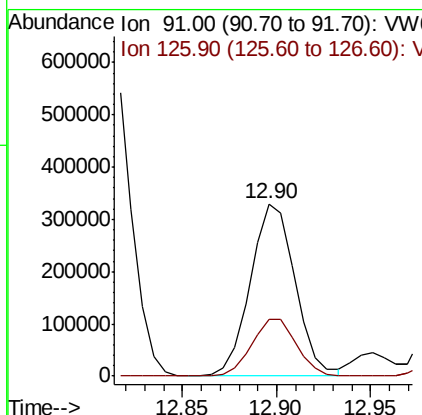
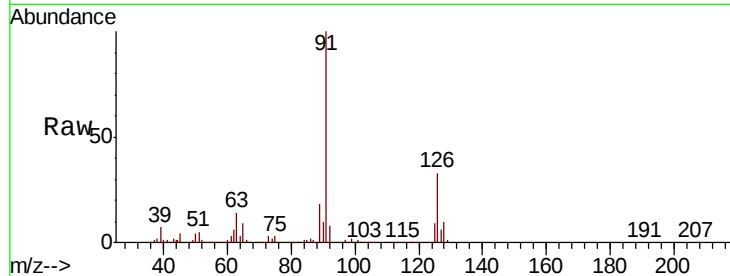




#79
 2-Chlorotoluene
 Concen: 21.135 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

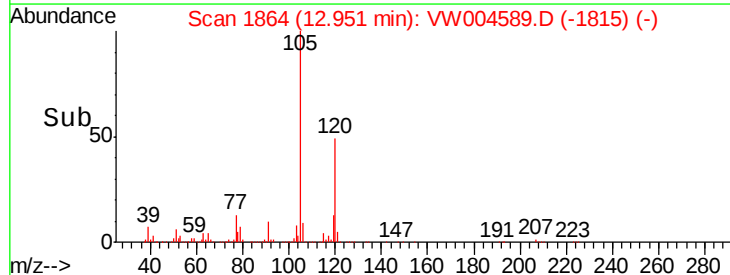
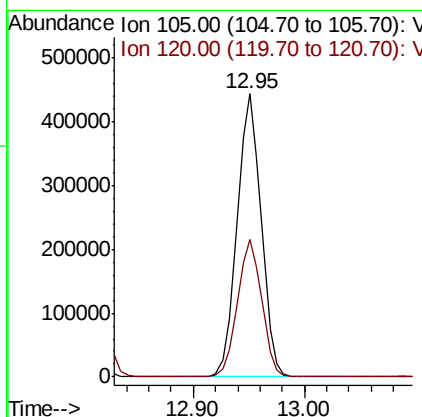
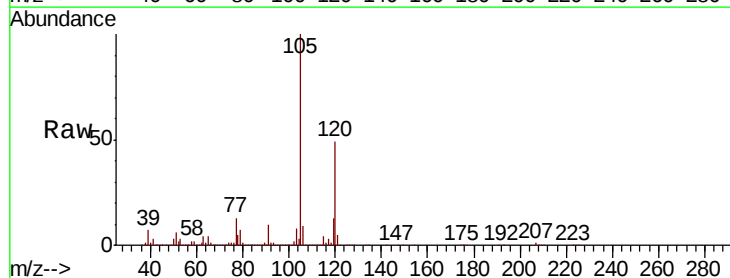
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

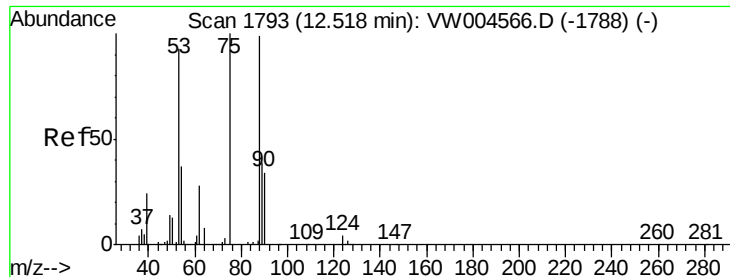
Tgt Ion: 91 Resp: 541838
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.604 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion: 105 Resp: 661657
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.417 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

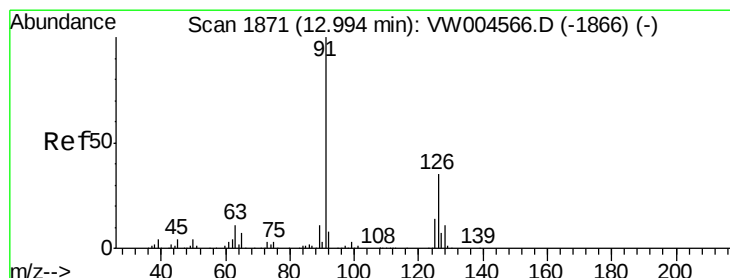
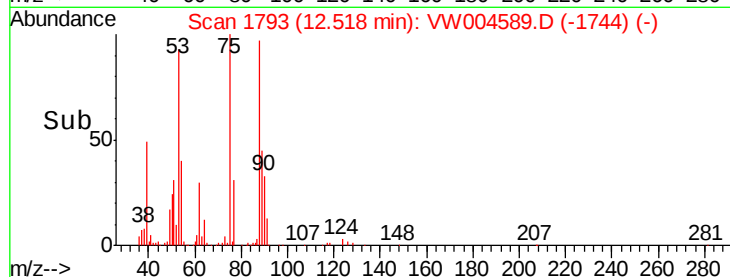
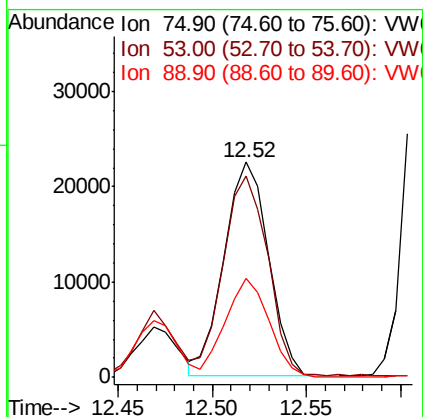
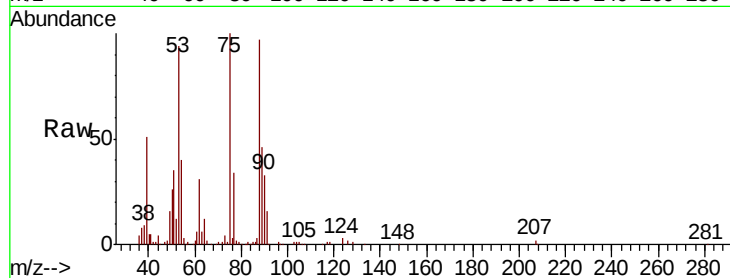
Tgt Ion: 75 Resp: 36834

Ion Ratio Lower Upper

75 100

53 94.0 74.4 111.6

89 45.1 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.228 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004589.D

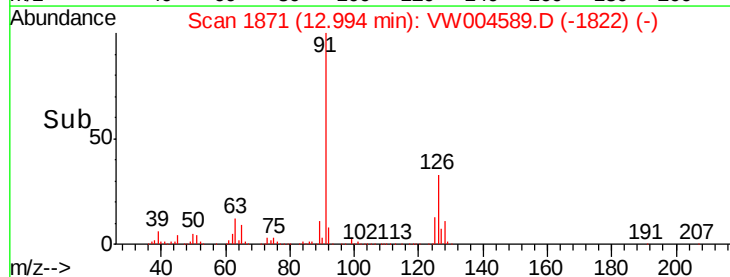
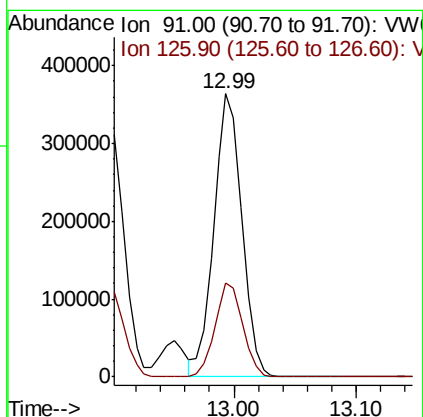
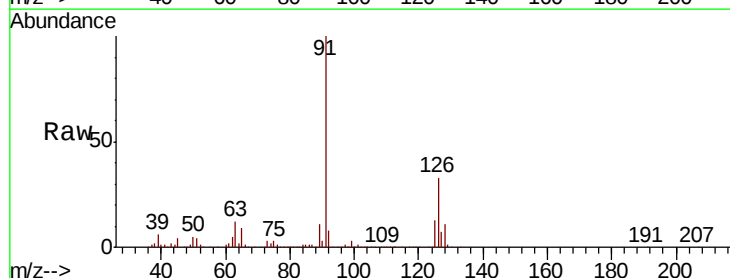
Acq: 10 Aug 2018 11:48

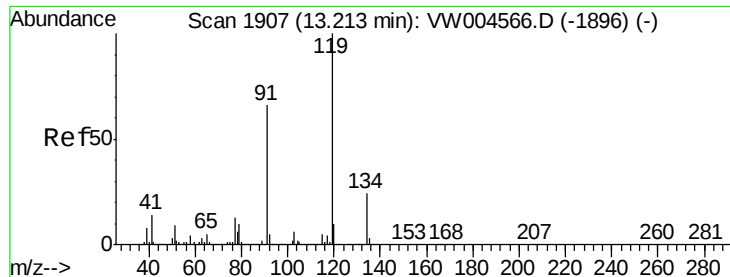
Tgt Ion: 91 Resp: 577575

Ion Ratio Lower Upper

91 100

126 33.1 16.5 49.5

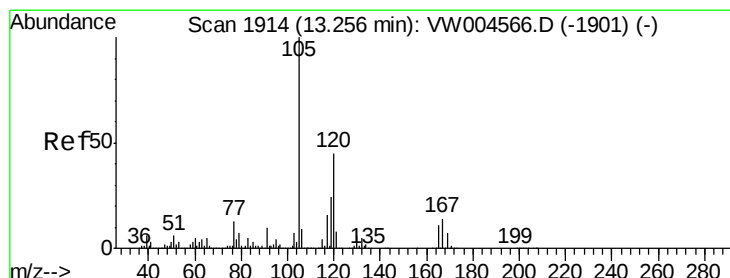
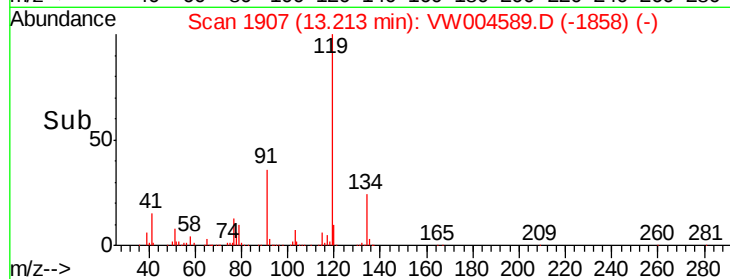
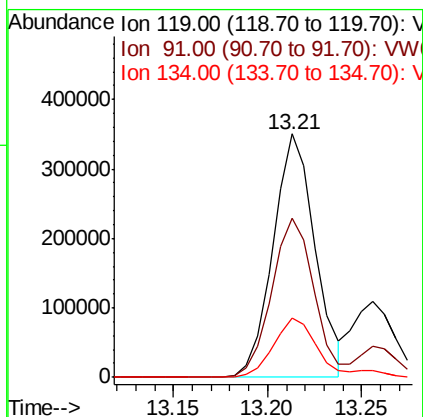
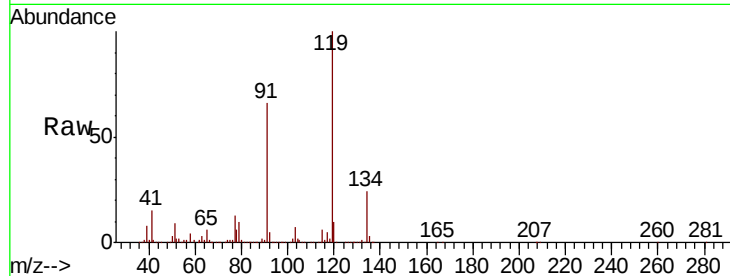




#83
tert-Butylbenzene
Concen: 21.098 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

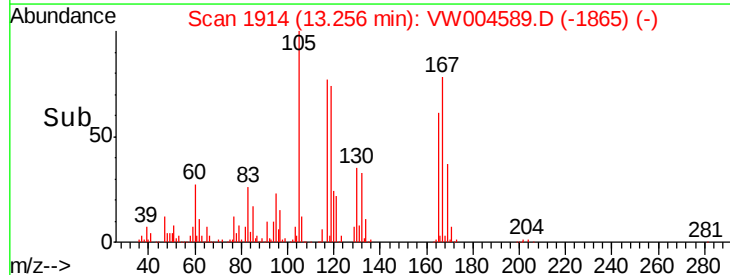
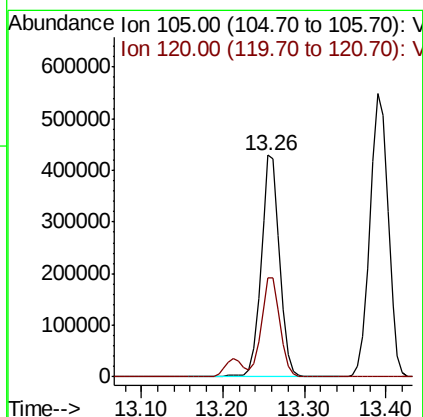
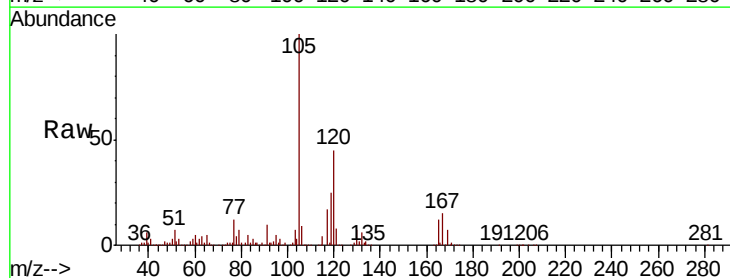
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

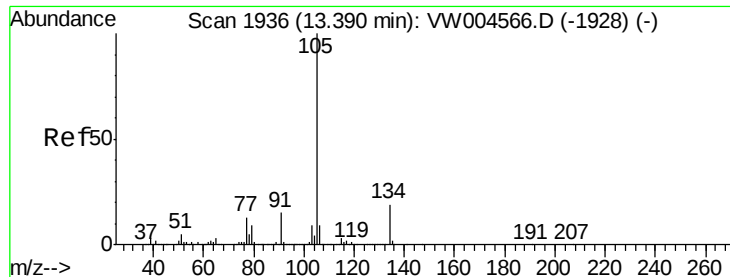
Tgt Ion:119 Resp: 541987
Ion Ratio Lower Upper
119 100
91 66.5 33.3 99.8
134 24.6 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 21.435 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion:105 Resp: 679586
Ion Ratio Lower Upper
105 100
120 45.0 22.6 67.8

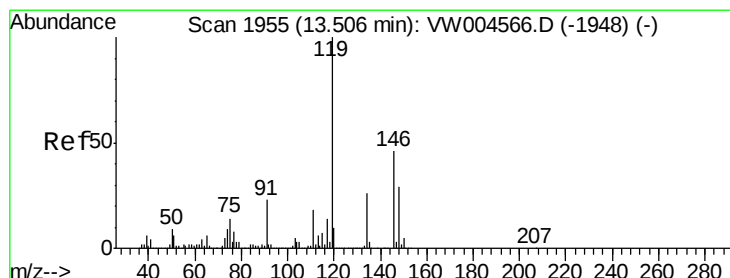
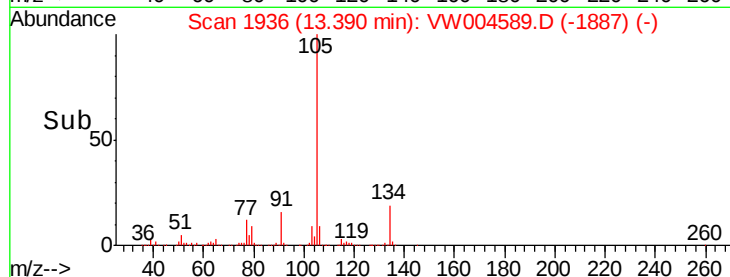
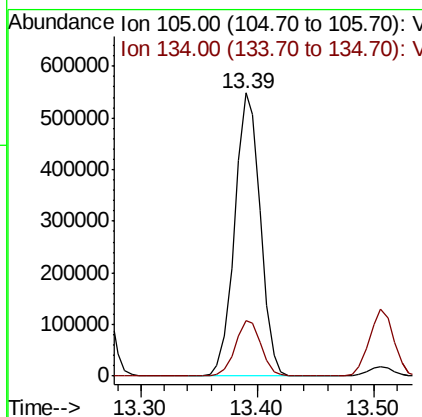
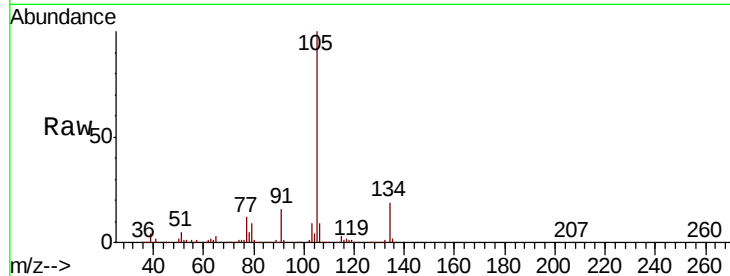




#85
 sec-Butylbenzene
 Concen: 21.605 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

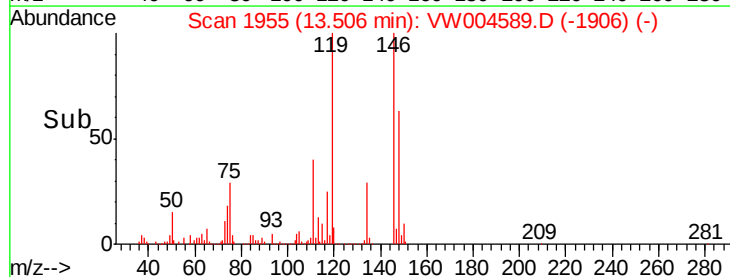
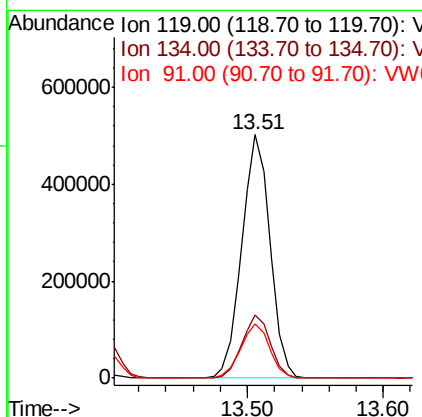
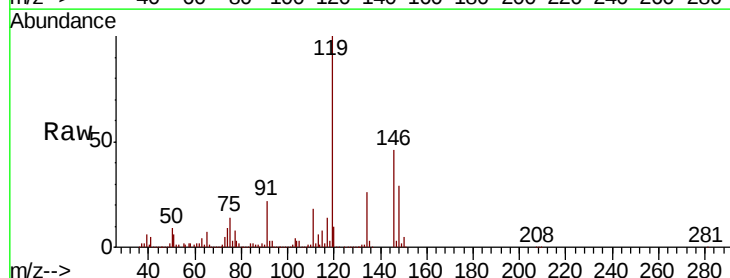
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

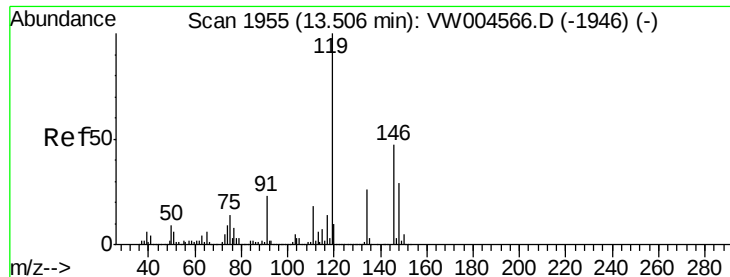
Tgt Ion:105 Resp: 837271
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.671 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion:119 Resp: 727738
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 22.5 11.4 34.1

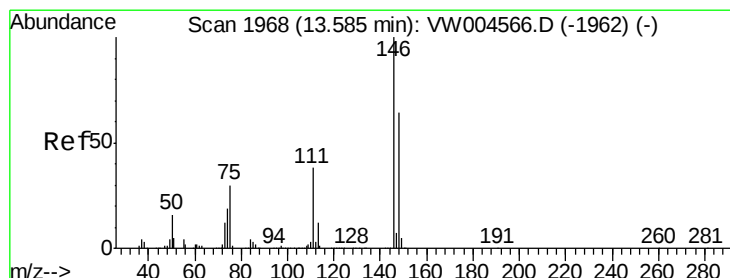
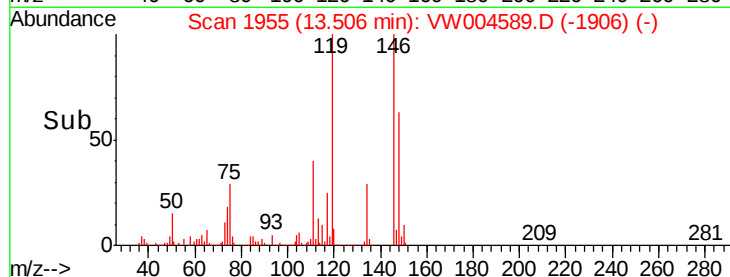
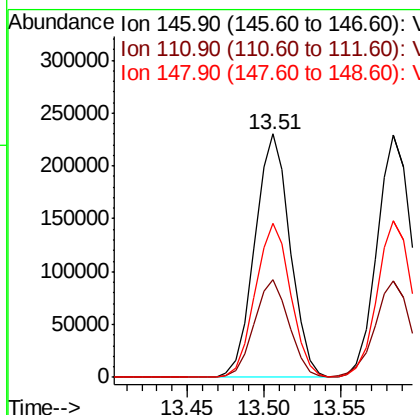
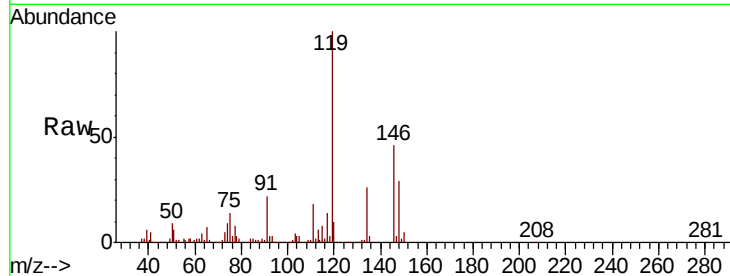




#87
 1,3-Dichlorobenzene
 Concen: 20.622 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

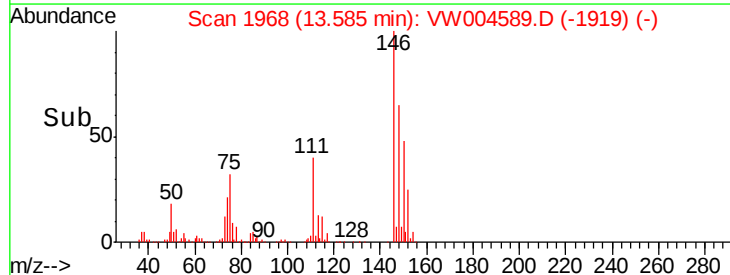
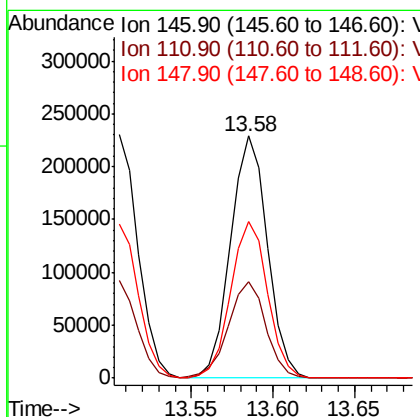
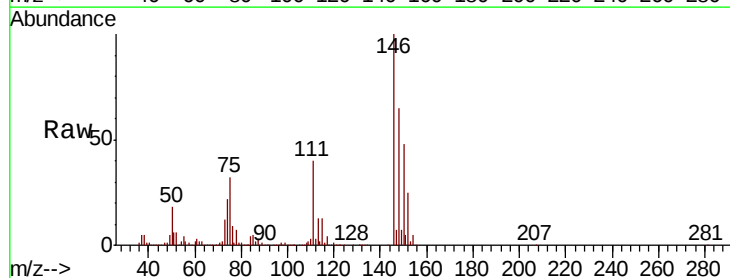
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

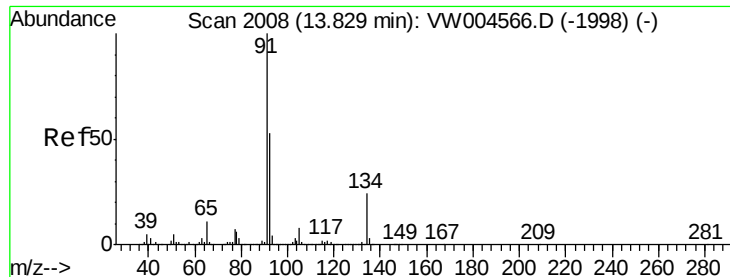
Tgt Ion:146 Resp: 369101
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 59.9
 148 63.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.207 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion:146 Resp: 360033
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.6 58.8
 148 64.8 31.9 95.5





#89

n-Butylbenzene

Concen: 21.213 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

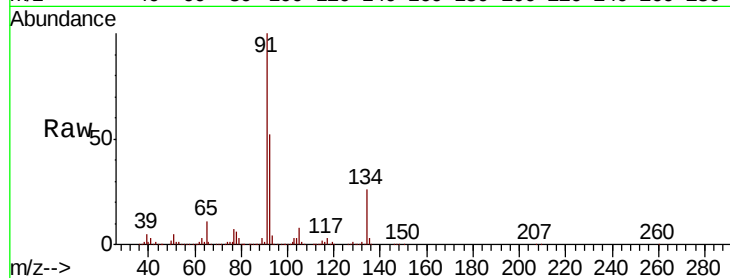
Tgt Ion: 91 Resp: 699926

Ion Ratio Lower Upper

91 100

92 51.3 26.4 79.0

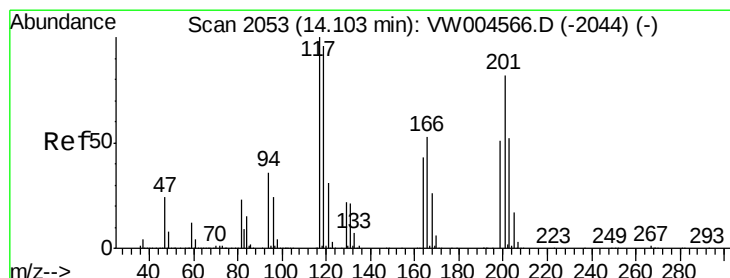
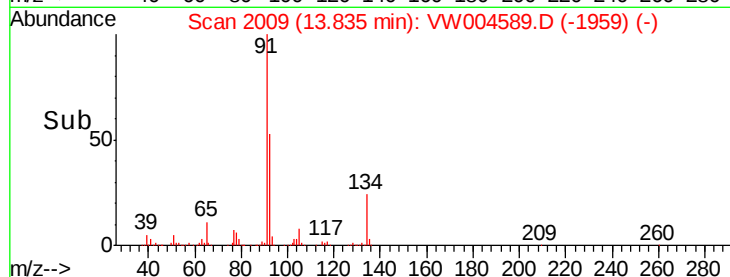
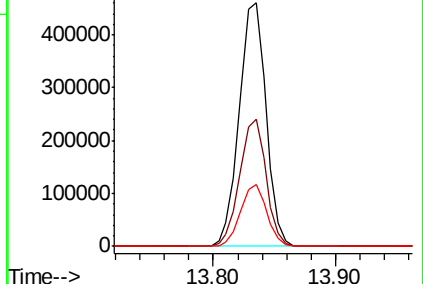
134 24.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 20.715 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004589.D

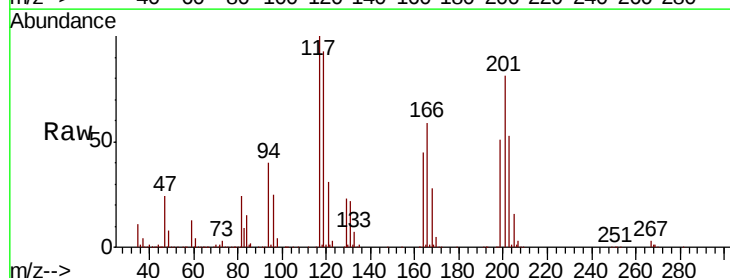
Acq: 10 Aug 2018 11:48

Tgt Ion: 117 Resp: 128710

Ion Ratio Lower Upper

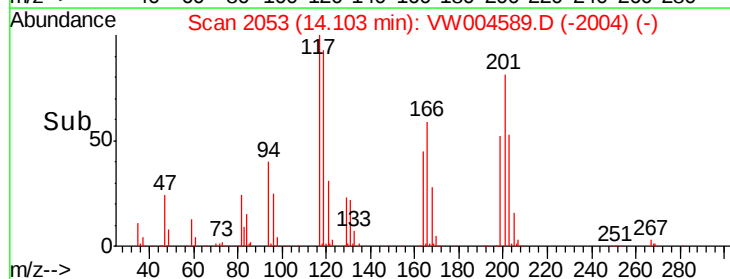
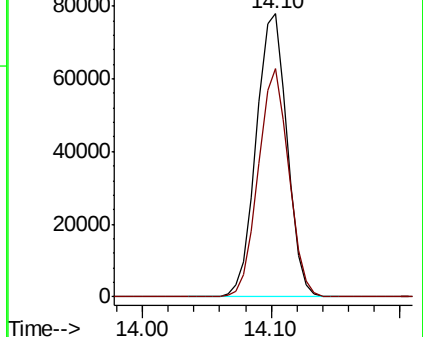
117 100

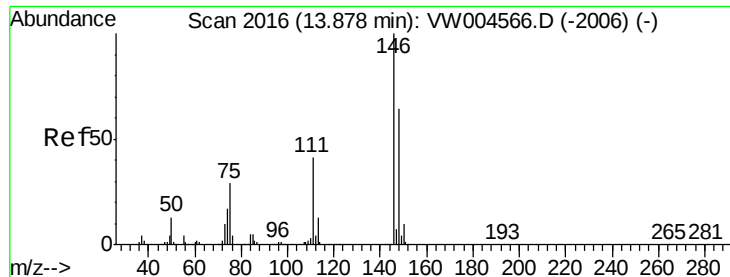
201 79.6 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.920 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS01

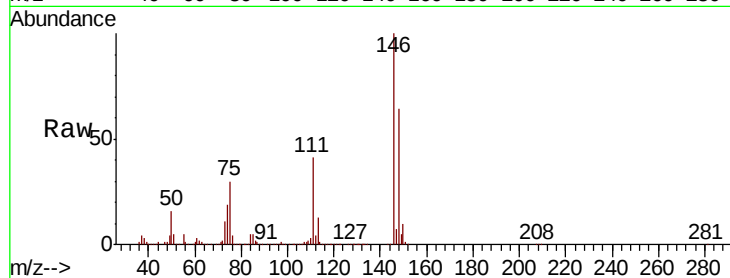
Tgt Ion:146 Resp: 323463

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.2

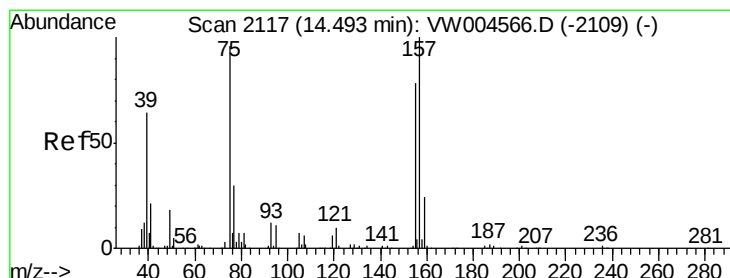
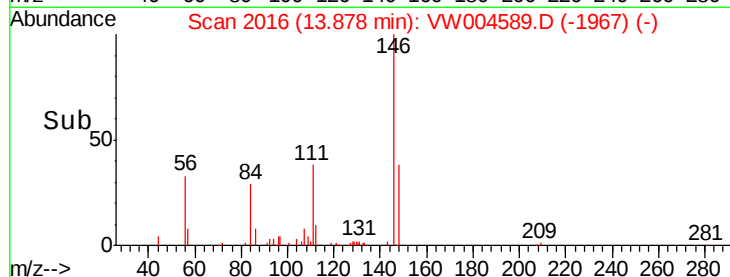
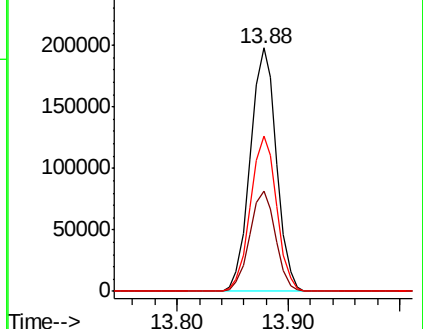
148 63.8 31.8 95.4



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: 15.933 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004589.D

Acq: 10 Aug 2018 11:48

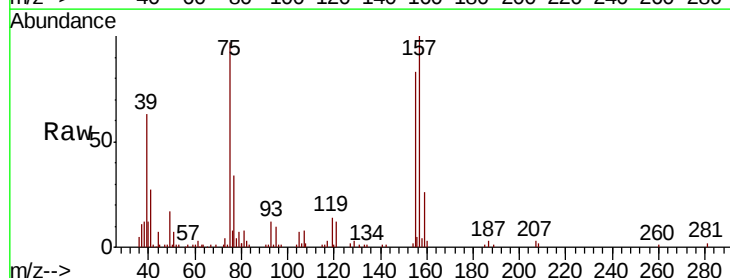
Tgt Ion: 75 Resp: 19513

Ion Ratio Lower Upper

75 100

155 80.6 41.3 123.7

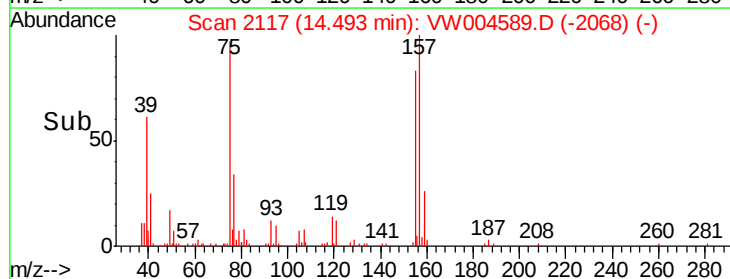
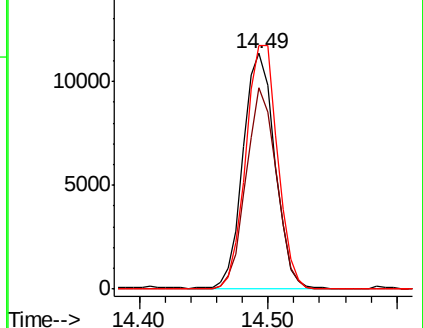
157 102.1 52.6 157.8

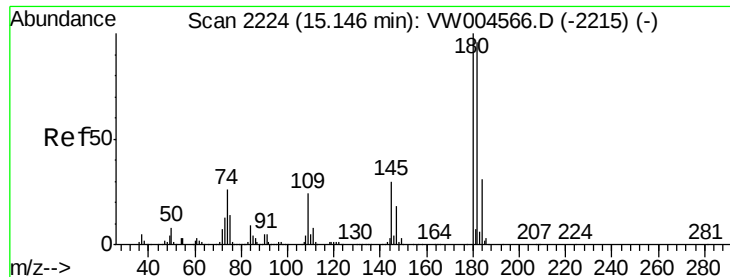


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

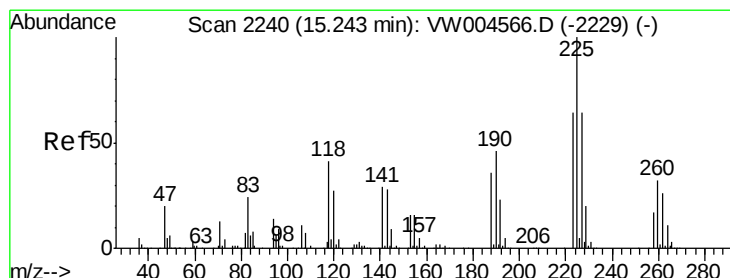
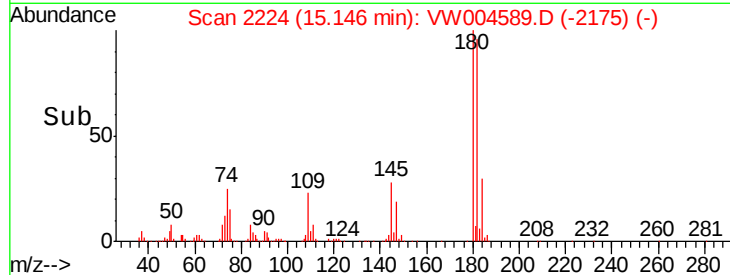
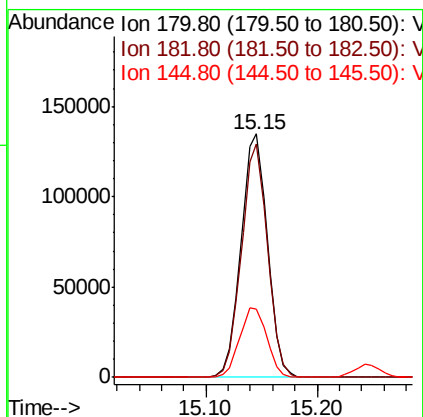
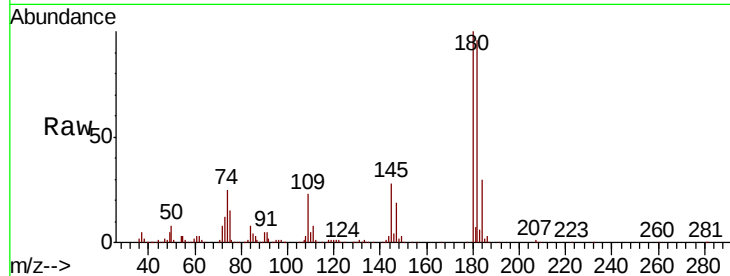




#93
 1,2,4-Trichlorobenzene
 Concen: 19.683 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

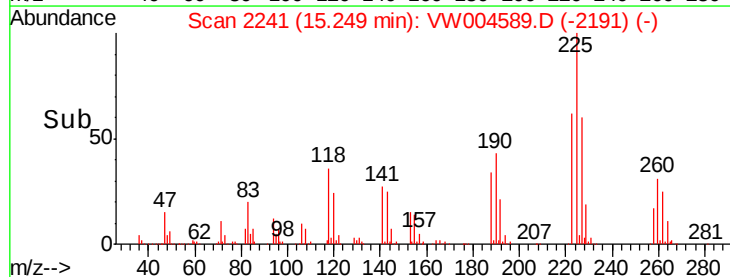
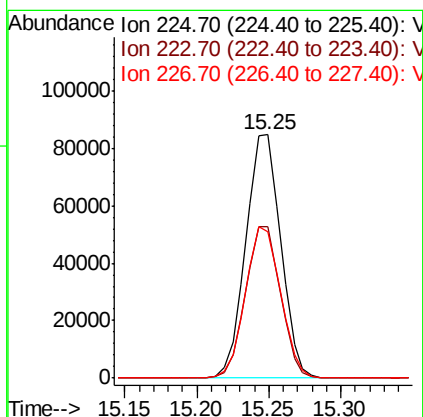
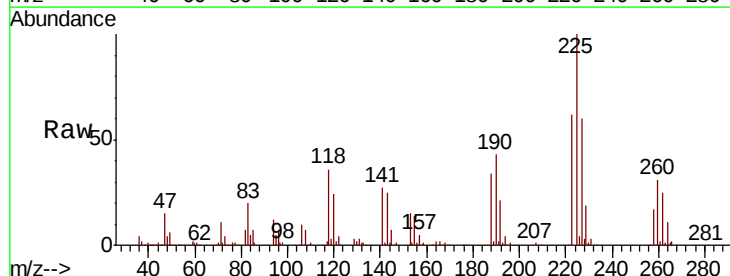
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS01

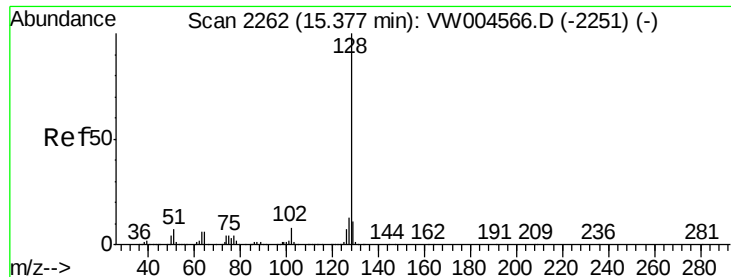
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	29.7	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 21.734 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW004589.D
 Acq: 10 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.3	93.8
227	62.6	31.8	95.4

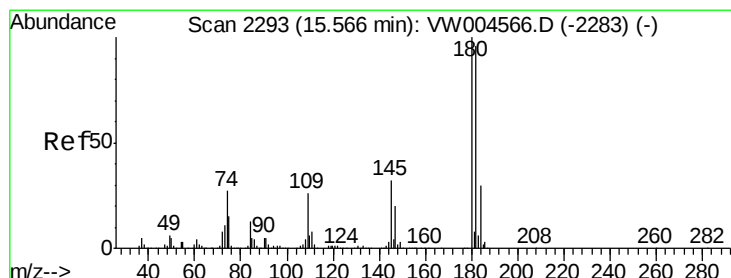
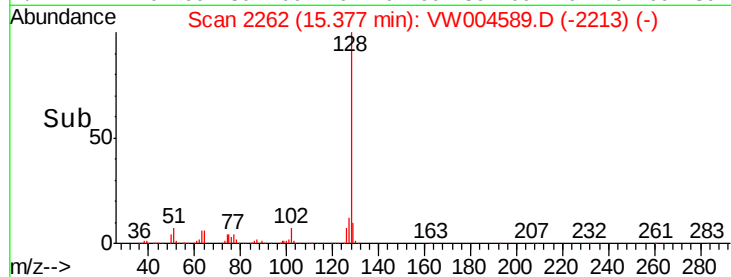
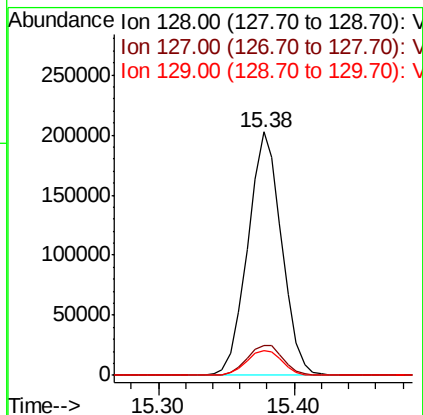
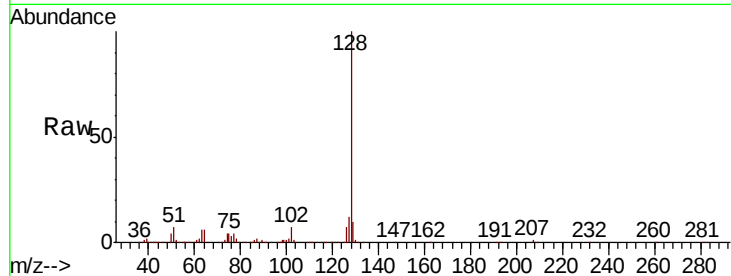




#95
Naphthalene
Concen: 17.220 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS01

Tgt Ion:128 Resp: 352446
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.315 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004589.D
Acq: 10 Aug 2018 11:48

Tgt Ion:180 Resp: 195136
Ion Ratio Lower Upper
180 100
182 95.3 47.0 141.2
145 31.1 15.9 47.6

