

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002290.D
 Acq On : 08 May 2018 13:31
 Operator : JC/SY
 Sample : VW0508SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBSD01

Quant Time: May 08 16:11:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	358448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	196184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135413	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.88	113	127349	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.33	98	497759	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.63	95	180039	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	19081	18.70	ug/l	94
3) Chloromethane	2.21	50	41367	19.97	ug/l	99
4) Vinyl Chloride	2.36	62	63713	18.64	ug/l	100
5) Bromomethane	2.77	94	53915	19.62	ug/l	95
6) Chloroethane	2.92	64	45433	19.70	ug/l	96
7) Trichlorofluoromethane	3.24	101	31331	22.45	ug/l	94
8) Diethyl Ether	3.67	74	26754	17.13	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	47556	19.30	ug/l	98
10) Methyl Iodide	4.26	142	75691	18.93	ug/l	99
11) Tert butyl alcohol	5.18	59	17839	85.61	ug/l #	79
12) 1,1-Dichloroethene	4.03	96	48408	19.81	ug/l	98
13) Acrolein	3.89	56	16999	97.44	ug/l	96
14) Allyl chloride	4.65	41	71074	19.79	ug/l	100
15) Acrylonitrile	5.36	53	55624	90.78	ug/l	97
16) Acetone	4.12	43	67340	120.27	ug/l	94
17) Carbon Disulfide	4.37	76	138639	19.51	ug/l	99
18) Methyl Acetate	4.67	43	26335	15.68	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	80137	18.76	ug/l	99
20) Methylene Chloride	4.90	84	49521	18.35	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	50420	19.12	ug/l	96
22) Diisopropyl ether	6.31	45	145416	18.47	ug/l	99
23) Vinyl Acetate	6.25	43	454434	96.41	ug/l	100
24) 1,1-Dichloroethane	6.21	63	90290	18.92	ug/l	100
25) 2-Butanone	7.18	43	78666	94.62	ug/l	98
26) 2,2-Dichloropropane	7.16	77	54440	22.88	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55500	18.67	ug/l	97
28) Bromochloromethane	7.51	49	39662	18.37	ug/l #	100
29) Tetrahydrofuran	7.53	42	47615	87.33	ug/l	99
30) Chloroform	7.67	83	94203	18.85	ug/l	99
31) Cyclohexane	7.95	56	83566	19.62	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	74138	19.74	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74192	20.73	ug/l	99
37) Ethyl Acetate	7.25	43	32441	18.60	ug/l	98
38) Carbon Tetrachloride	8.06	117	71919	20.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90312	21.63	ug/l	99
40) Benzene	8.32	78	207600	19.85	ug/l	99
41) Methacrylonitrile	7.48	41	17648	17.66	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	63360	19.42	ug/l	99
43) Isopropyl Acetate	8.43	43	62374	18.85	ug/l	100
44) Trichloroethene	9.10	130	57943	20.32	ug/l	98
45) 1,2-Dichloropropane	9.37	63	51077	19.49	ug/l	95
46) Dibromomethane	9.46	93	28627	19.54	ug/l	99
47) Bromodichloromethane	9.65	83	67919	19.65	ug/l	99
48) Methyl methacrylate	9.44	41	29708	18.49	ug/l	98
49) 1,4-Dioxane	9.45	88	8902	382.56	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	168071	92.10	ug/l	100
52) Toluene	10.40	92	132866	20.00	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	67742	19.93	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	77705	20.00	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38337	18.59	ug/l	98
56) Ethyl methacrylate	10.65	69	48123	18.87	ug/l	100
57) 1,3-Dichloropropane	10.94	76	67271	19.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	115294	93.16	ug/l	100
59) 2-Hexanone	10.98	43	124494	99.73	ug/l	99
60) Dibromochloromethane	11.13	129	46729	19.20	ug/l	98
61) 1,2-Dibromoethane	11.24	107	39442	19.56	ug/l	97
64) Tetrachloroethene	10.87	164	50080	18.15	ug/l	99
65) Chlorobenzene	11.66	112	149309	20.38	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	51397	19.69	ug/l	99
67) Ethyl Benzene	11.74	91	262238	20.83	ug/l	100
68) m/p-Xylenes	11.85	106	201910	41.57	ug/l	100
69) o-Xylene	12.18	106	95369	20.65	ug/l	98
70) Styrene	12.19	104	155886	20.32	ug/l	100
71) Bromoform	12.36	173	28071	18.75	ug/l	99
73) Isopropylbenzene	12.48	105	262482	20.60	ug/l	100
74) N-amyl acetate	12.28	43	60385	18.94	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	46982	19.07	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	35578m	20.45	ug/l	
77) Bromobenzene	12.76	156	64833	20.18	ug/l	98
78) n-propylbenzene	12.82	91	315299	20.87	ug/l	99
79) 2-Chlorotoluene	12.90	91	178769	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	222443	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13617	20.62	ug/l	93
82) 4-Chlorotoluene	13.00	91	188055	20.33	ug/l	99
83) tert-Butylbenzene	13.22	119	194050	21.03	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	226755	20.40	ug/l	99
85) sec-Butylbenzene	13.40	105	278772	21.16	ug/l	99
86) p-Isopropyltoluene	13.51	119	249241	21.16	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	128742	20.25	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	128620	20.26	ug/l	99
89) n-Butylbenzene	13.84	91	237566	21.55	ug/l	100
90) Hexachloroethane	14.11	117	43673	20.73	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	115629	20.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7654	17.97	ug/l	97

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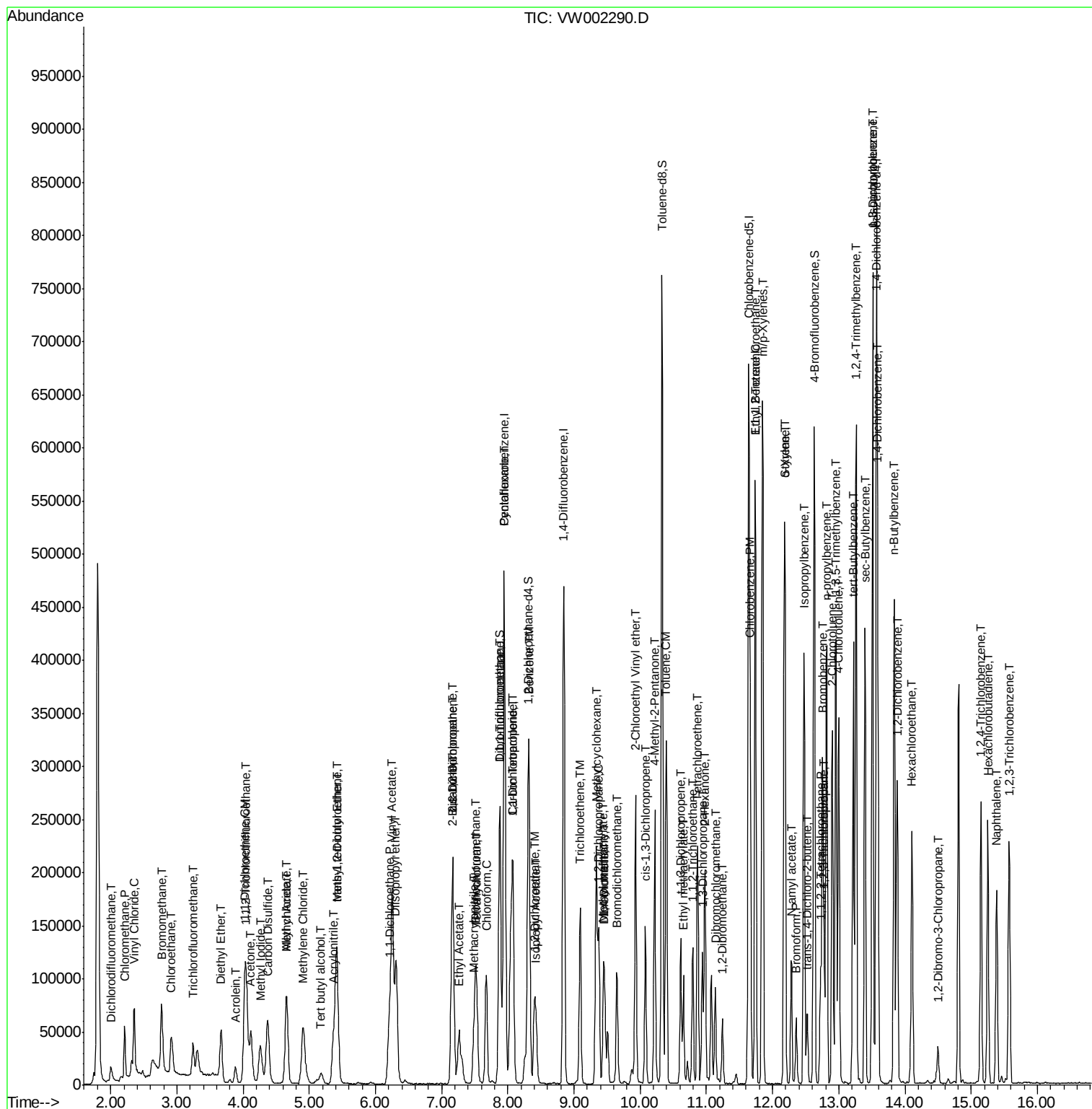
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBSD01

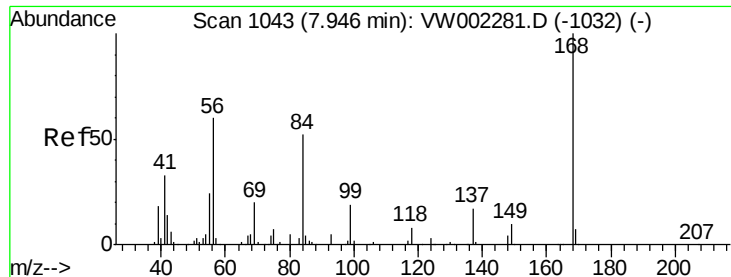
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	87545	21.23	ug/l	100
94) Hexachlorobutadiene	15.26	225	50278	21.88	ug/l	98
95) Naphthalene	15.38	128	153776	20.28	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	78013	21.09	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

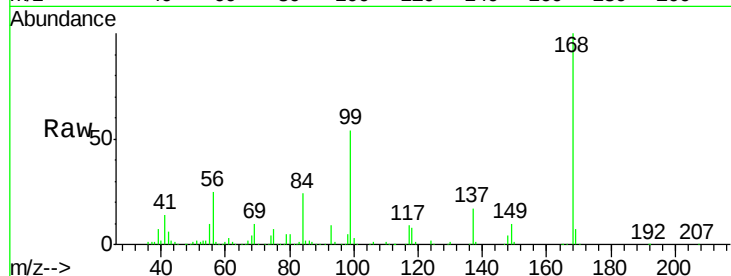
VW0508SBS01

Tot Ion:168 Resp: 269963

Ion Ratio Lower Upper

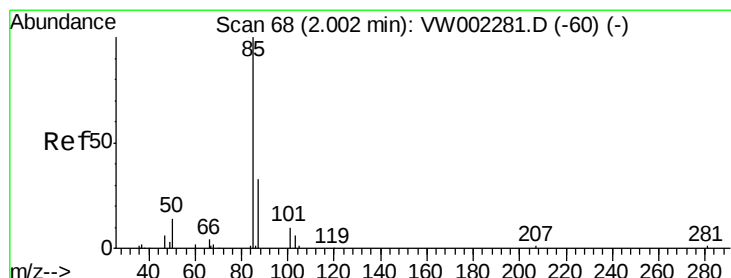
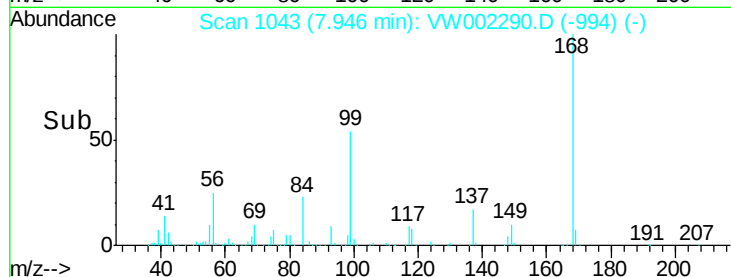
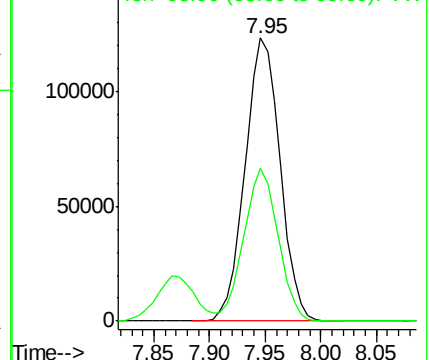
168 100

99 54.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.70 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW002290.D

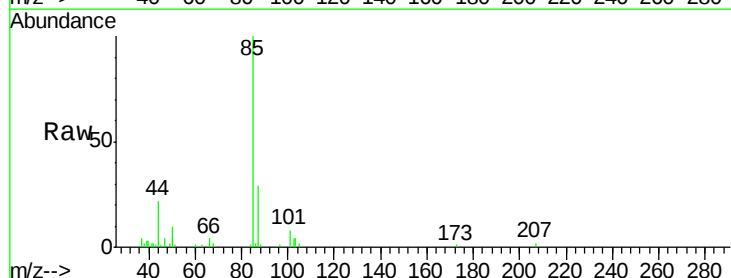
Acq: 08 May 2018 13:31

Tgt Ion: 85 Resp: 19081

Ion Ratio Lower Upper

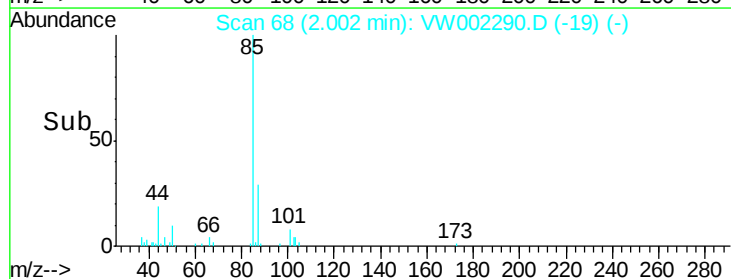
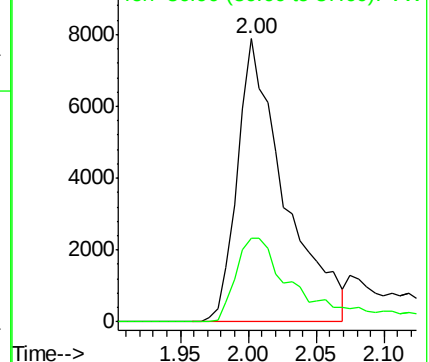
85 100

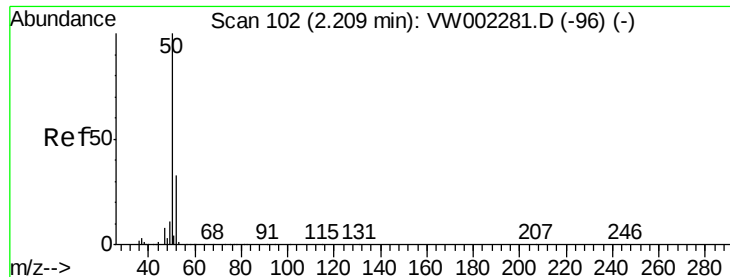
87 29.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.97 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

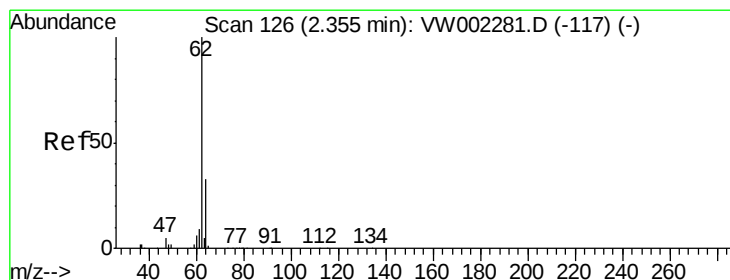
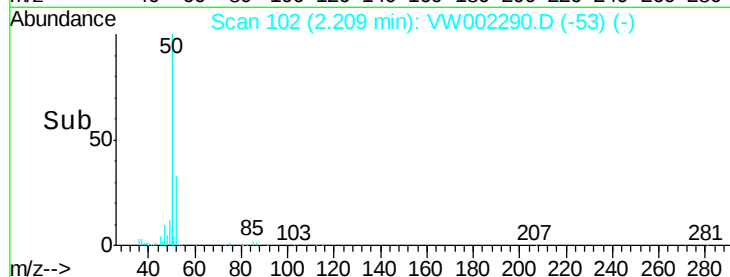
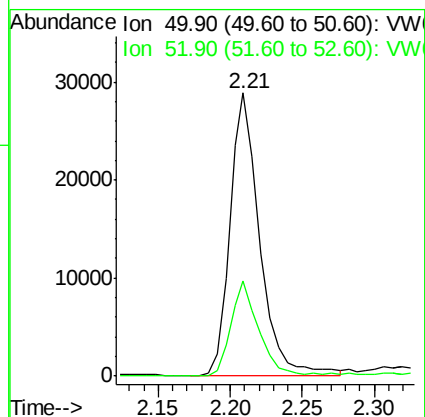
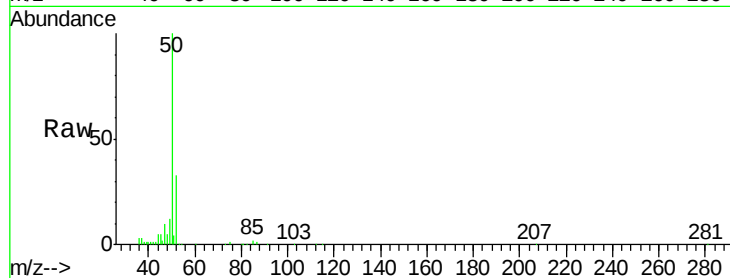
VW0508SBSD01

Tot Ion: 50 Resp: 41367

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



#4

Vinyl Chloride

Concen: 18.64 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002290.D

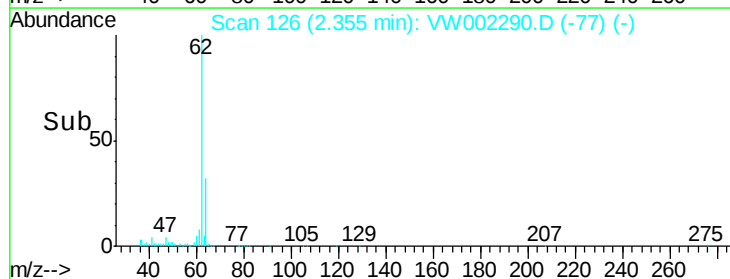
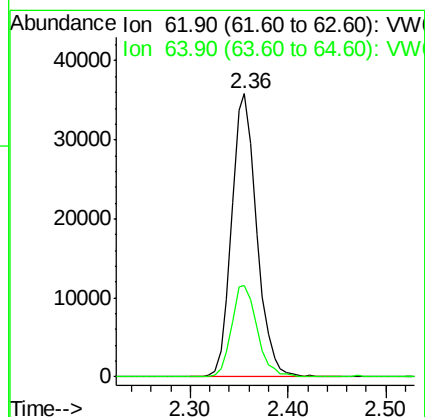
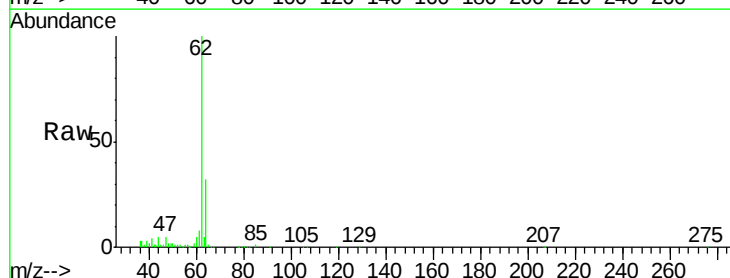
Acq: 08 May 2018 13:31

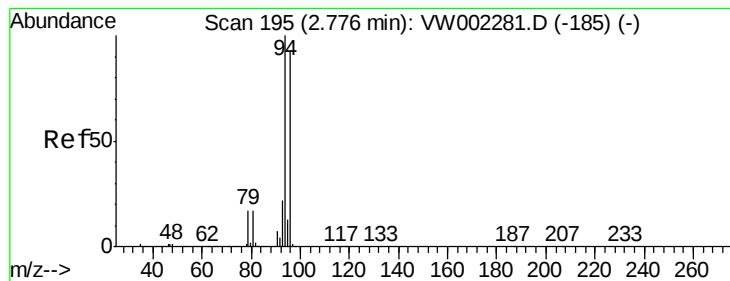
Tgt Ion: 62 Resp: 63713

Ion Ratio Lower Upper

62 100

64 32.4 26.1 39.1





#5

Bromomethane

Concen: 19.62 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

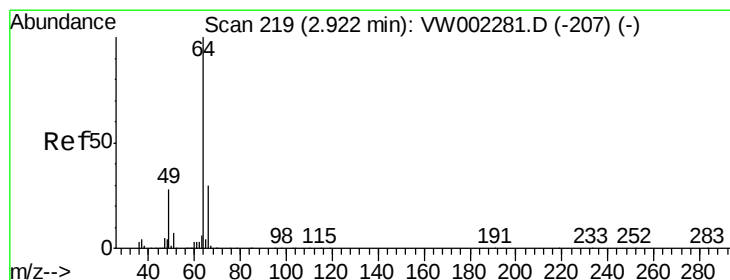
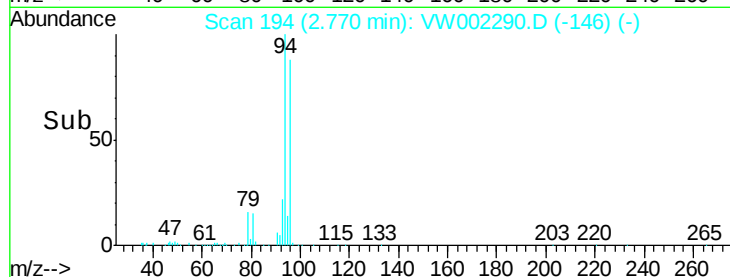
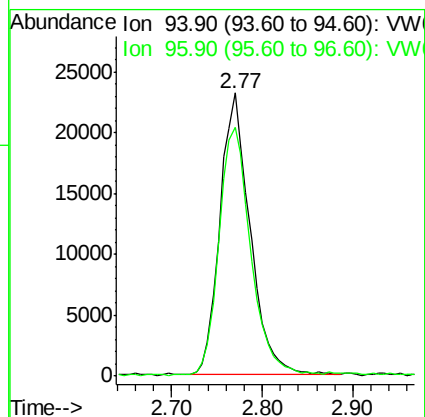
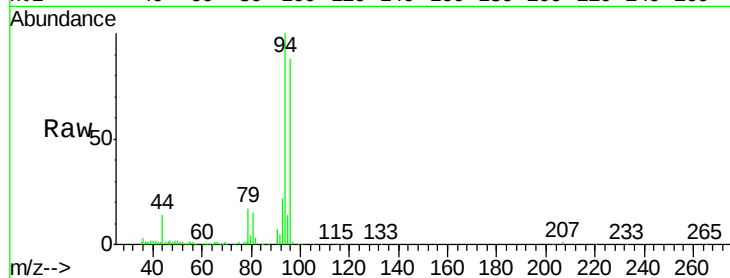
VW0508SBSD01

Tot Ion: 94 Resp: 53915

Ion Ratio Lower Upper

94 100

96 87.7 73.6 110.4



#6

Chloroethane

Concen: 19.70 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002290.D

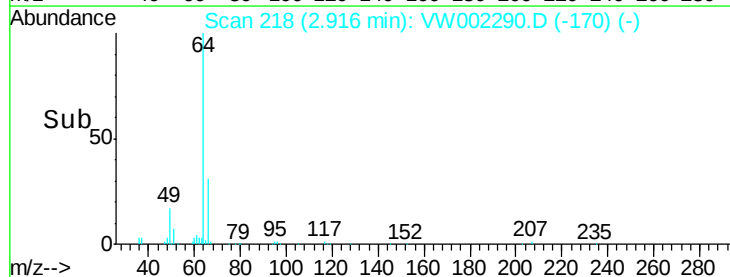
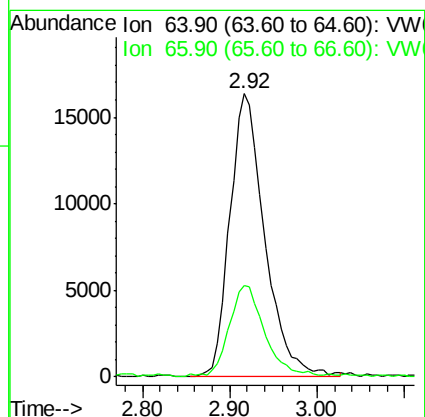
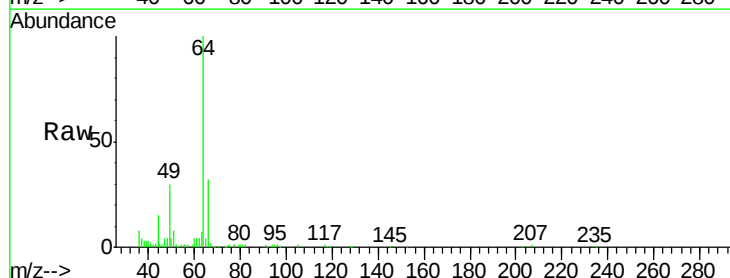
Acq: 08 May 2018 13:31

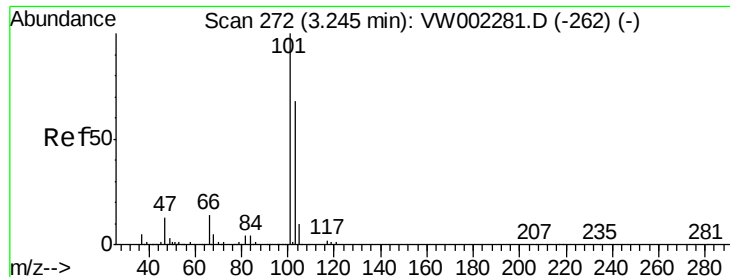
Tgt Ion: 64 Resp: 45433

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.6



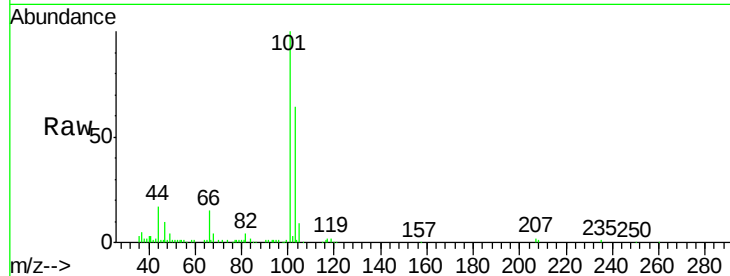


#7

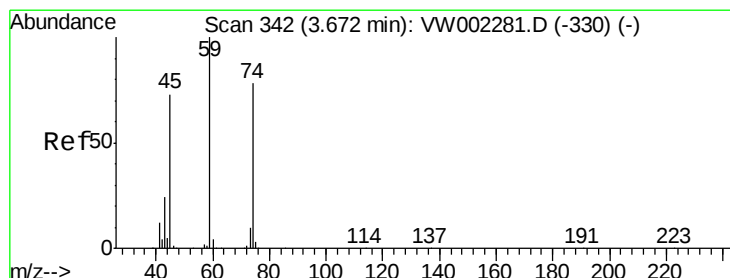
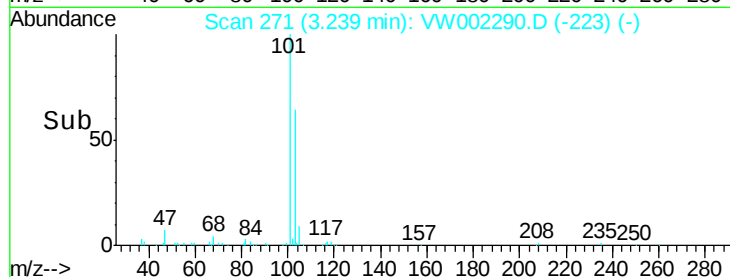
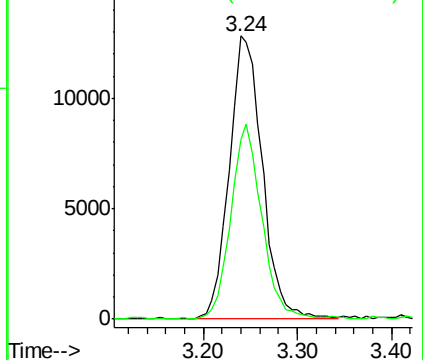
Trichlorofluoromethane
 Concen: 22.45 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Instrument :
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 VW0508SBSD01

Tot Ion:101 Resp: 31331
 Ion Ratio Lower Upper
 101 100
 103 63.7 54.6 82.0



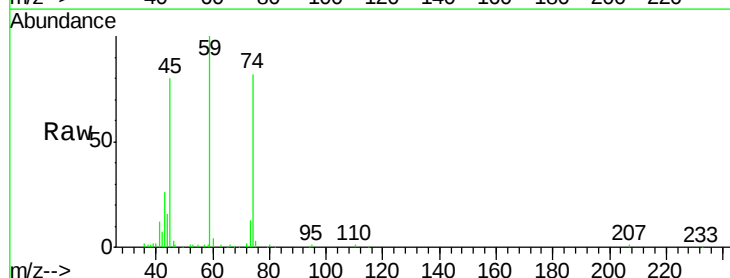
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



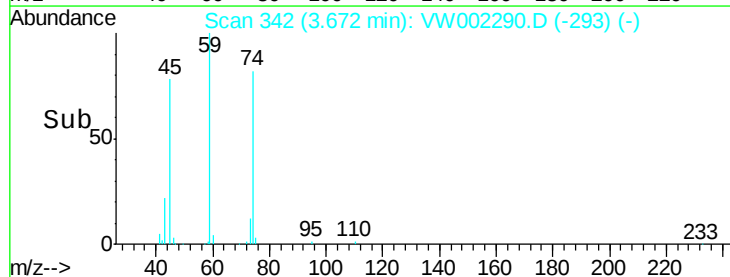
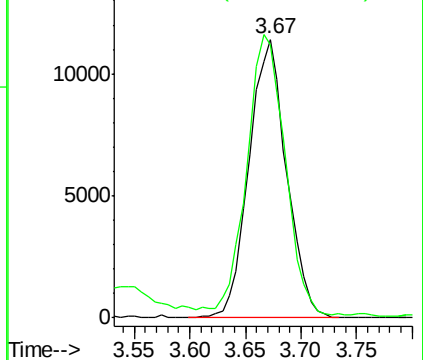
#8

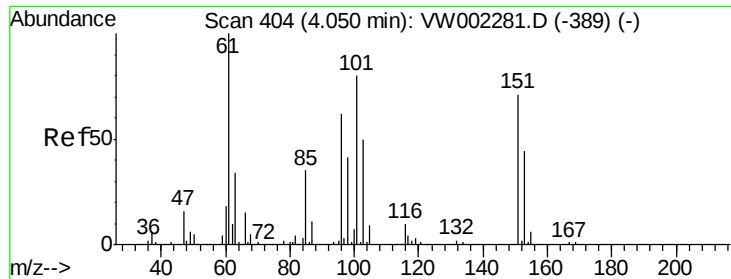
Diethyl Ether
 Concen: 17.13 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 74 Resp: 26754
 Ion Ratio Lower Upper
 74 100
 45 102.6 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.30 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

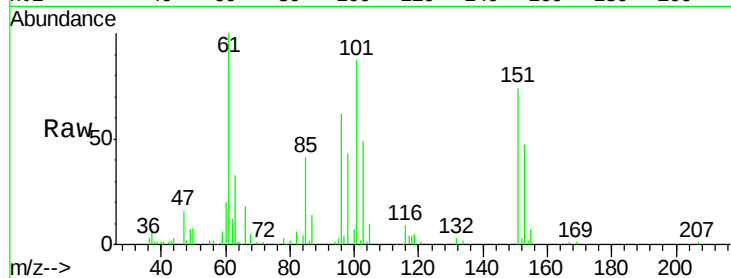
Tot Ion:101 Resp: 47556

Ion Ratio Lower Upper

101 100

85 47.2 35.9 53.9

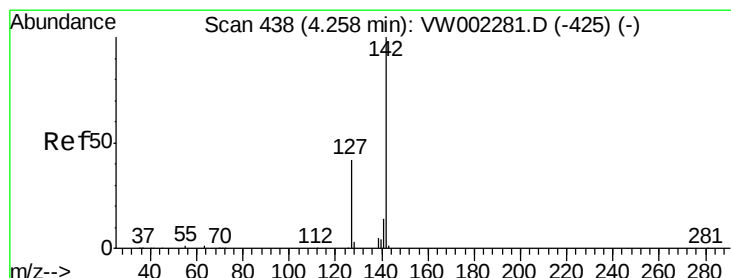
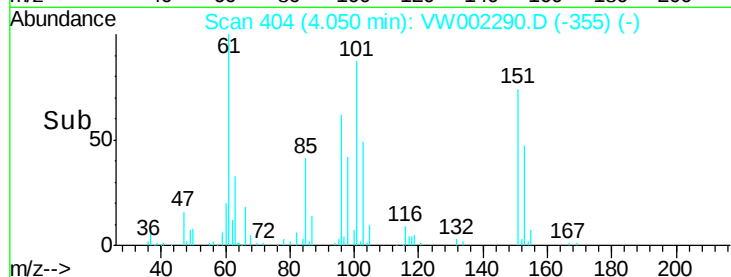
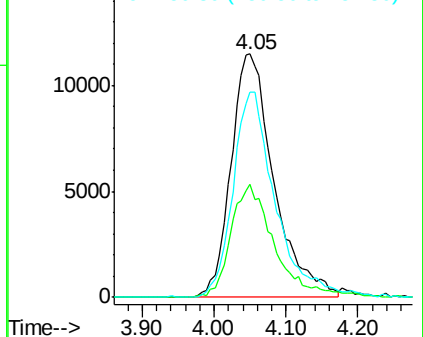
151 82.3 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.93 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

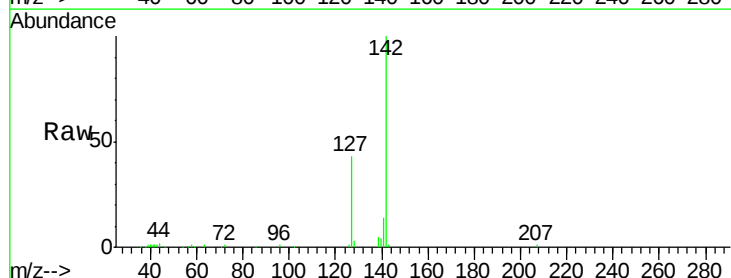
Tgt Ion:142 Resp: 75691

Ion Ratio Lower Upper

142 100

127 43.2 34.7 52.1

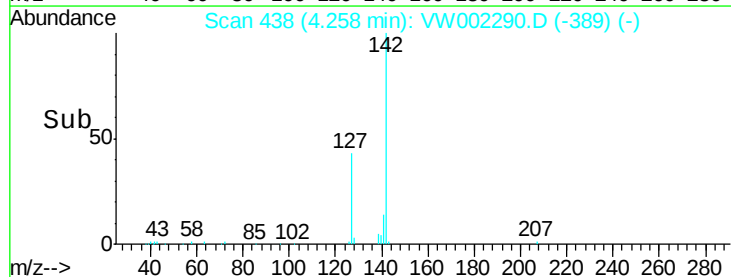
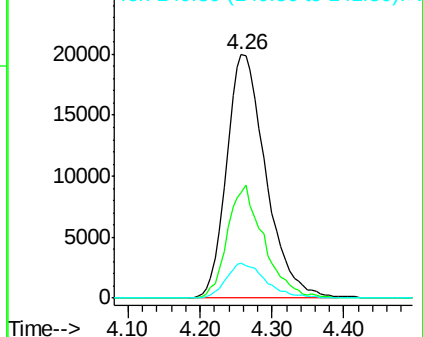
141 14.4 11.9 17.9

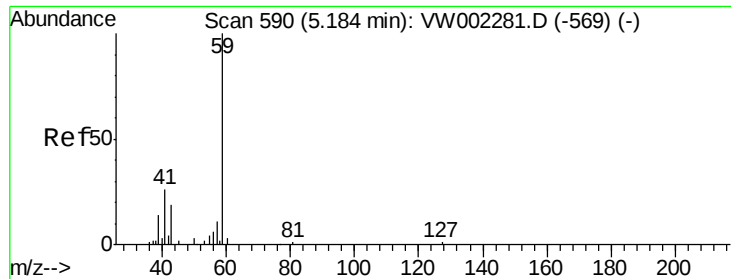


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



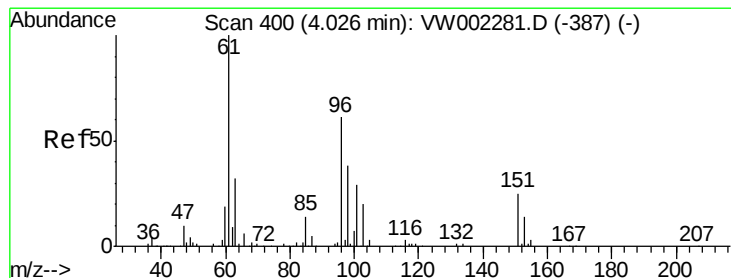
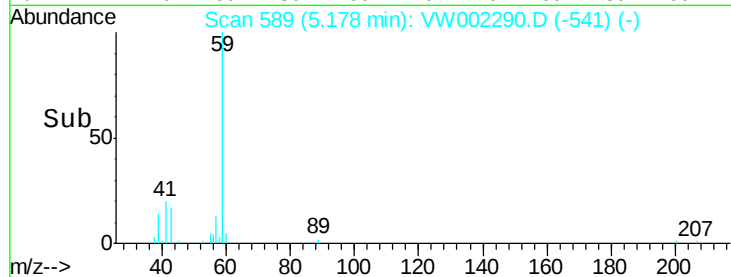
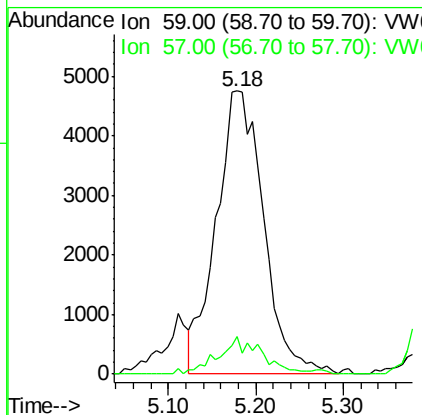
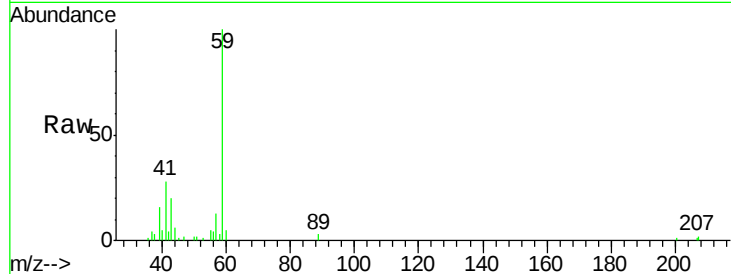


#11

Tert butyl alcohol
 Concen: 85.61 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

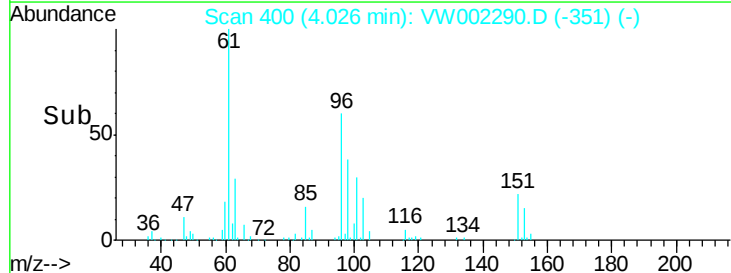
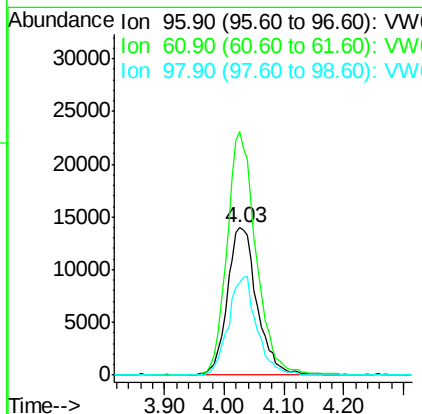
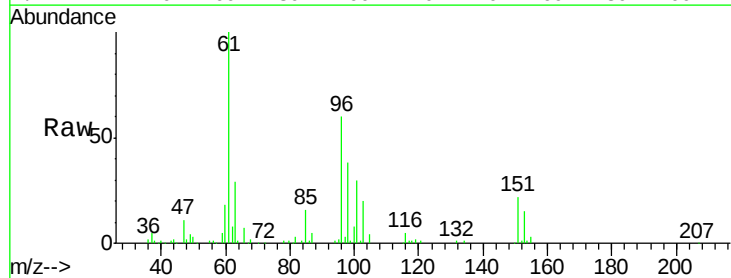
Tot Ion: 59 Resp: 17839
 Ion Ratio Lower Upper
 59 100
 57 11.9 3.9 5.9#

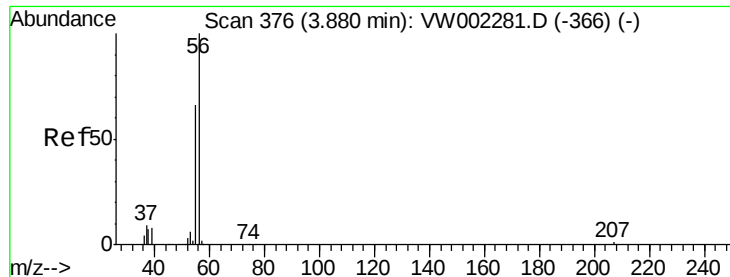


#12

1,1-Dichloroethene
 Concen: 19.81 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 96 Resp: 48408
 Ion Ratio Lower Upper
 96 100
 61 165.4 130.6 196.0
 98 63.2 49.0 73.4





#13

Acrolein

Concen: 97.44 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

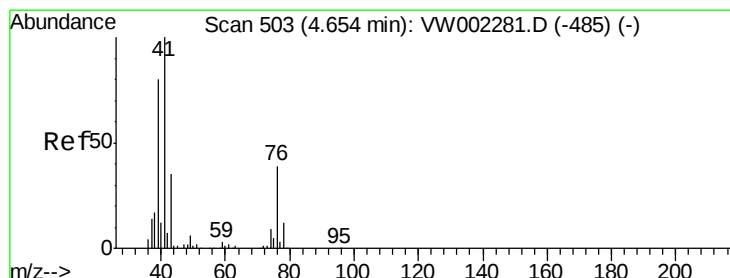
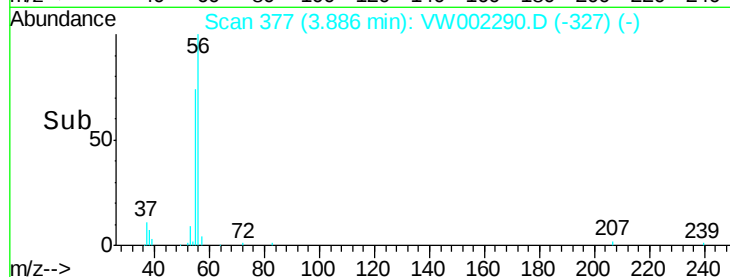
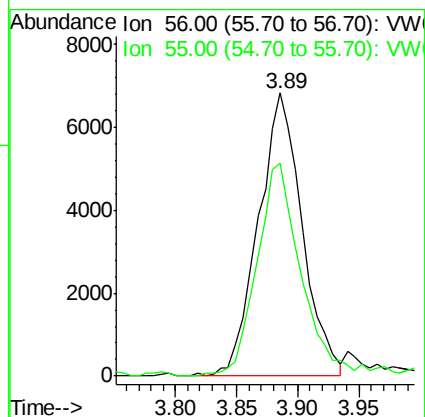
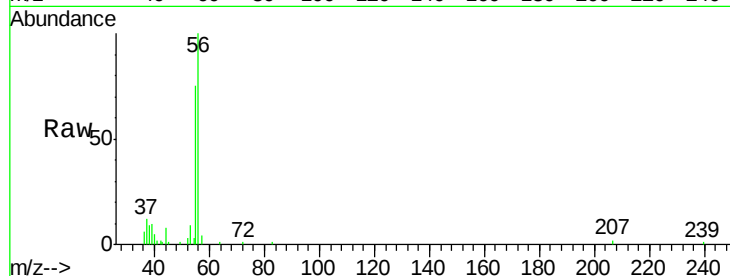
VW0508SBSD01

Tot Ion: 56 Resp: 16999

Ion Ratio Lower Upper

56 100

55 74.8 57.3 85.9



#14

Allyl chloride

Concen: 19.79 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

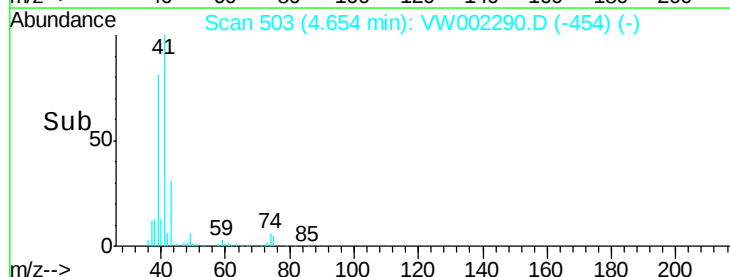
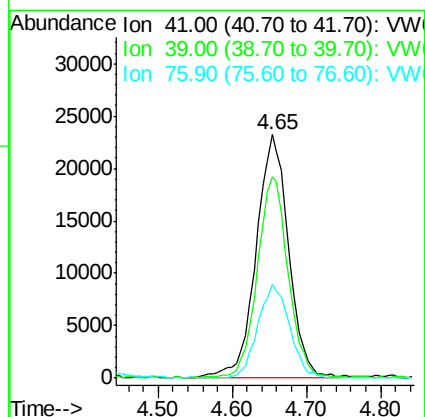
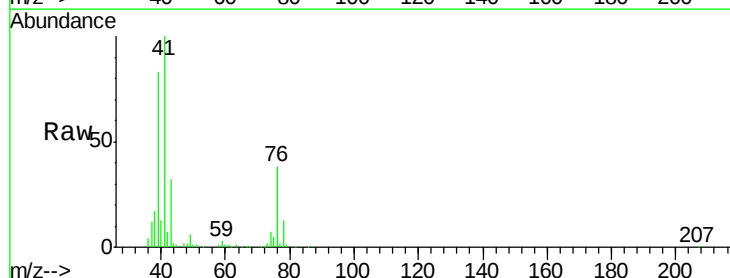
Tgt Ion: 41 Resp: 71074

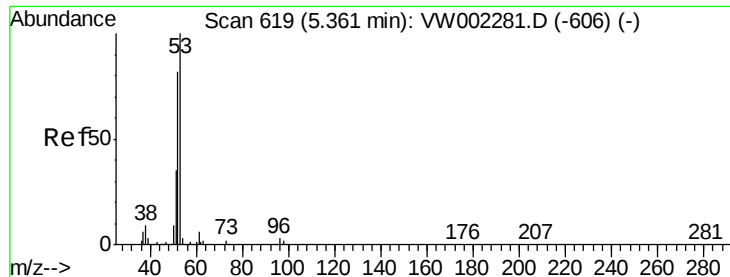
Ion Ratio Lower Upper

41 100

39 77.4 61.7 92.5

76 37.3 29.8 44.6





#15

Acrylonitrile

Concen: 90.78 ug/l

RT: 5.36 min Scan# 619

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

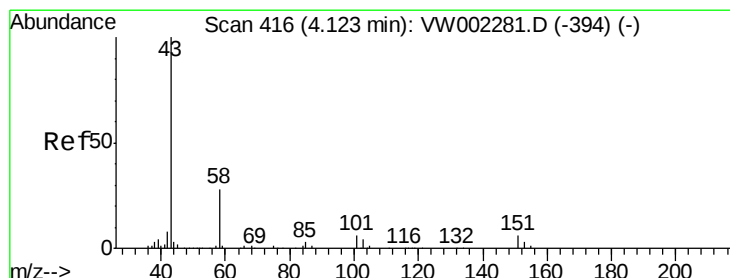
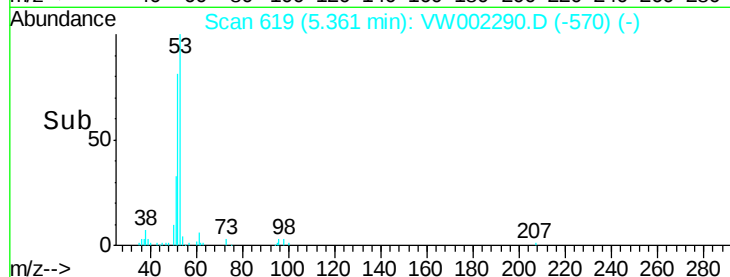
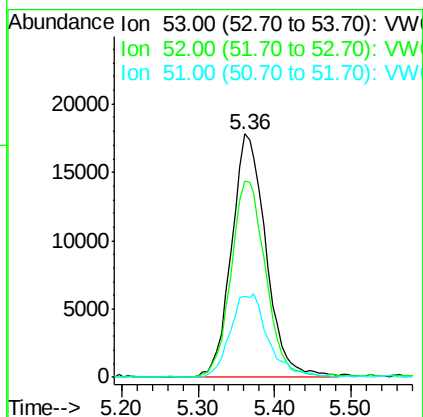
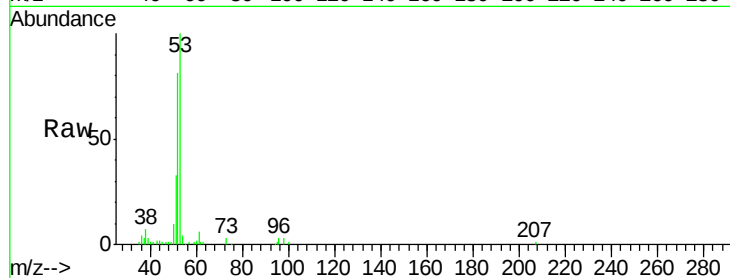
Tot Ion: 53 Resp: 55624

Ion Ratio Lower Upper

53 100

52 80.9 67.9 101.9

51 37.7 30.0 45.0



#16

Acetone

Concen: 120.27 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW002290.D

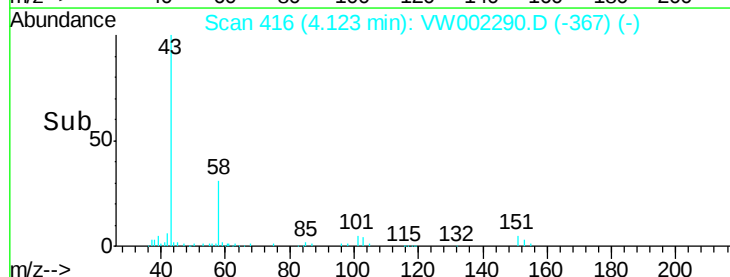
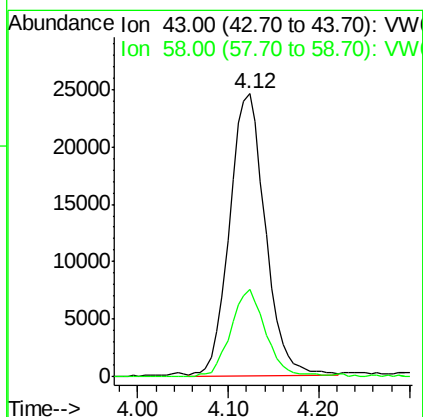
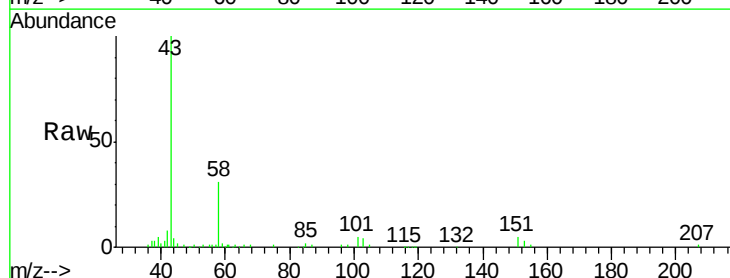
Acq: 08 May 2018 13:31

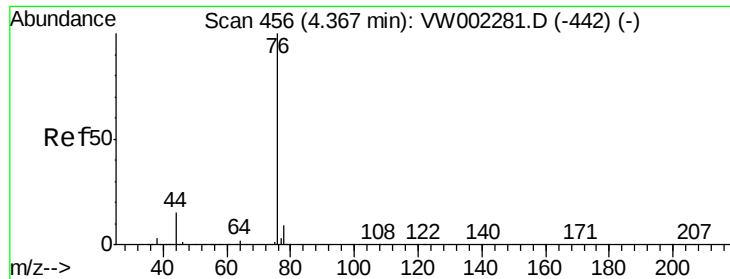
Tgt Ion: 43 Resp: 67340

Ion Ratio Lower Upper

43 100

58 30.9 22.2 33.4

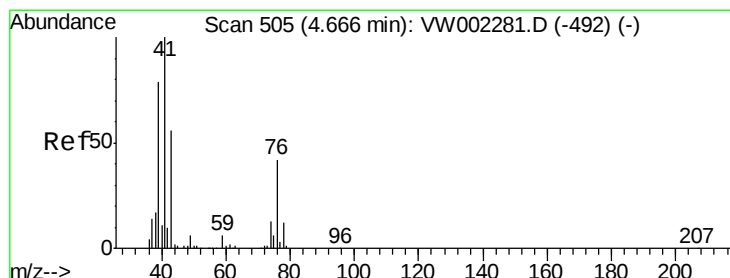
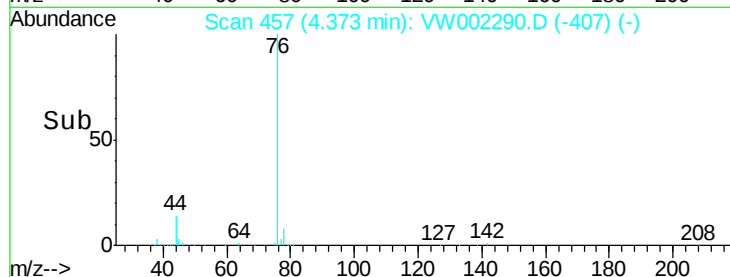
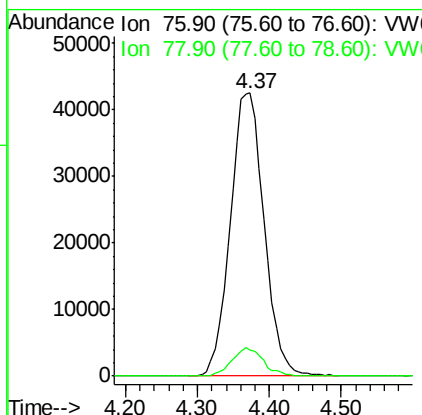
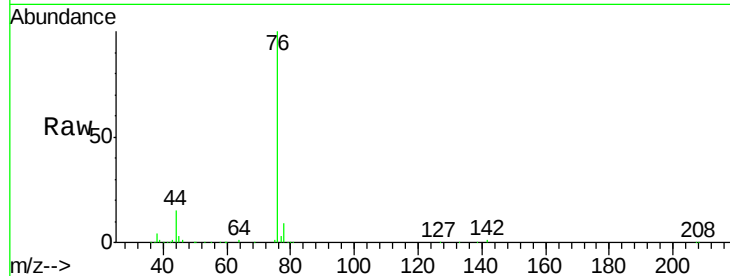




#17
 Carbon Disulfide
 Concen: 19.51 ug/l
 RT: 4.37 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

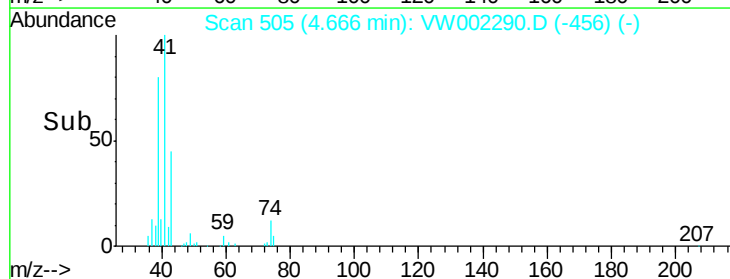
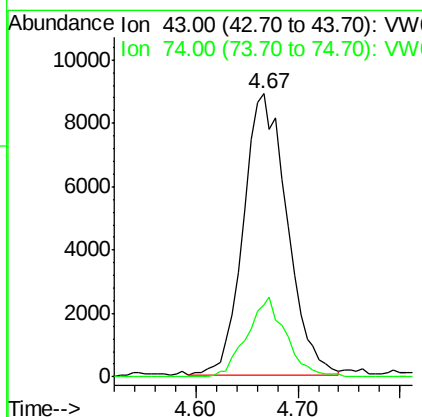
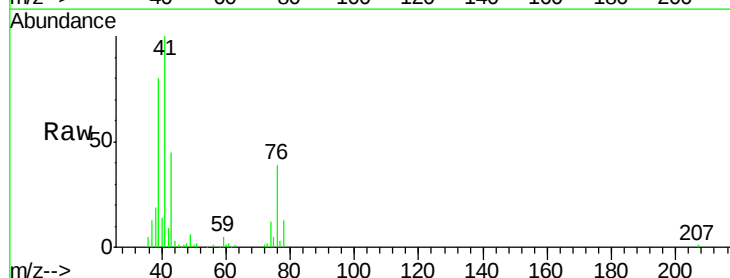
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBSD01

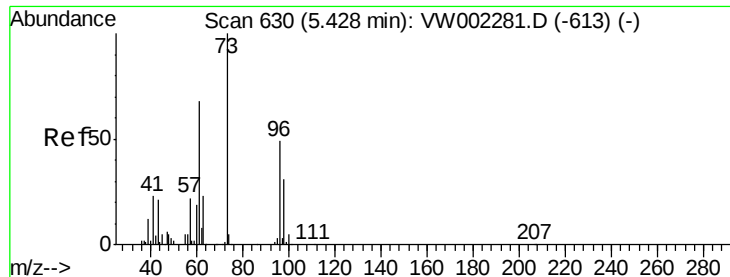
Tot Ion: 76 Resp: 138639
 Ion Ratio Lower Upper
 76 100
 78 9.1 6.9 10.3



#18
 Methyl Acetate
 Concen: 15.68 ug/l
 RT: 4.67 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 43 Resp: 26335
 Ion Ratio Lower Upper
 43 100
 74 25.4 19.4 29.2



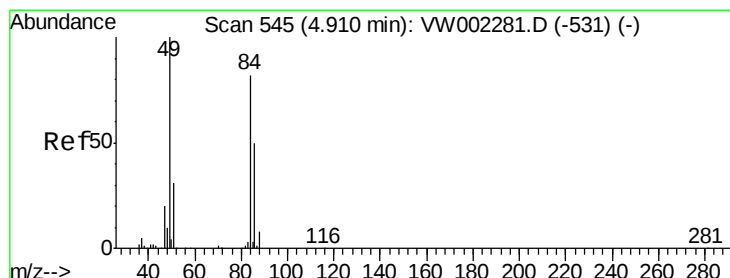
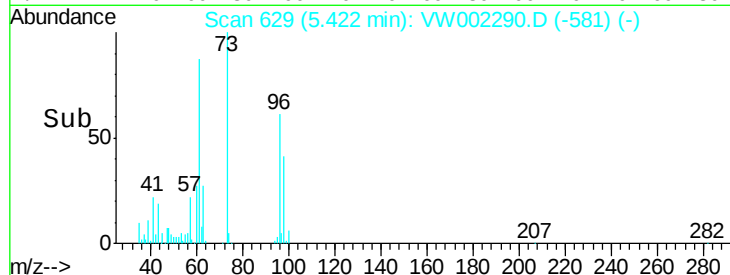
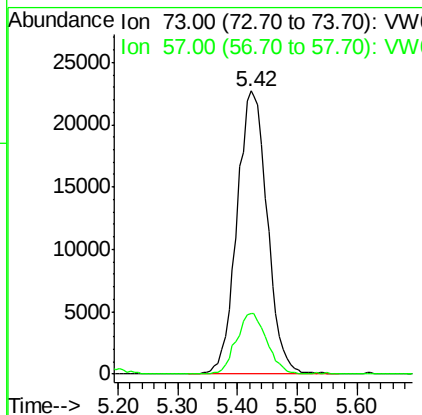
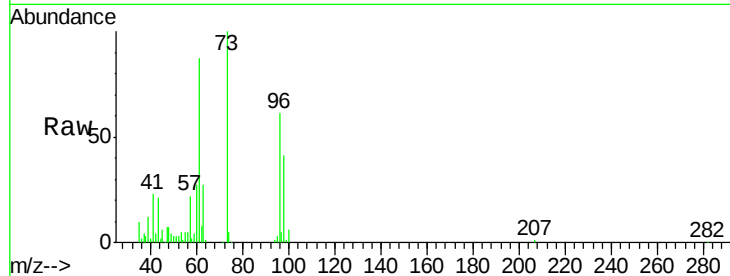


#19

Methyl tert-butyl Ether
 Concen: 18.76 ug/l
 RT: 5.42 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0508SBS01

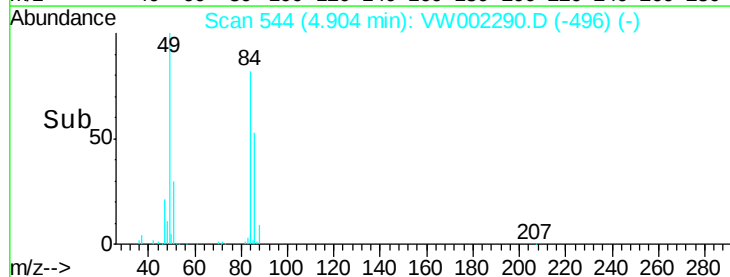
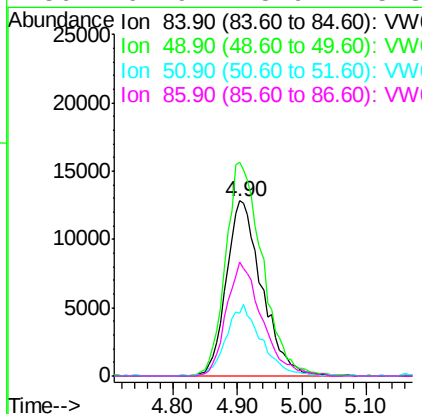
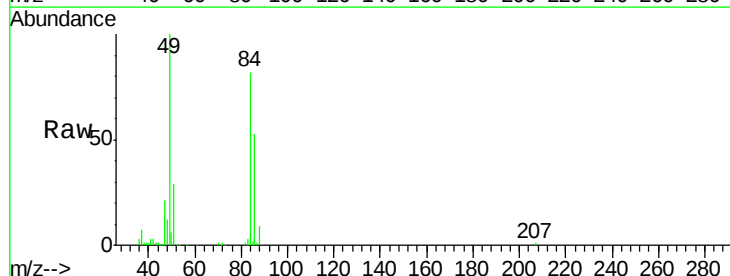
Tot Ion: 73 Resp: 80137
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.7 26.5

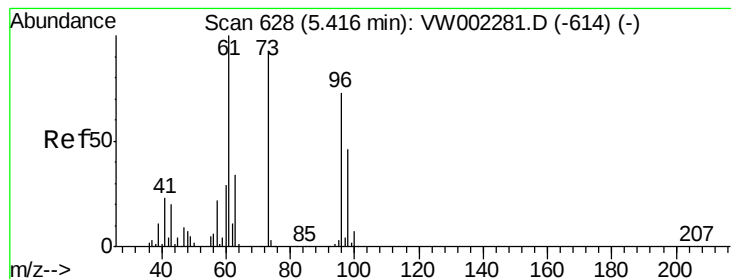


#20

Methylene Chloride
 Concen: 18.35 ug/l
 RT: 4.90 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 84 Resp: 49521
 Ion Ratio Lower Upper
 84 100
 49 122.1 97.7 146.5
 51 35.9 30.2 45.4
 86 64.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.12 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

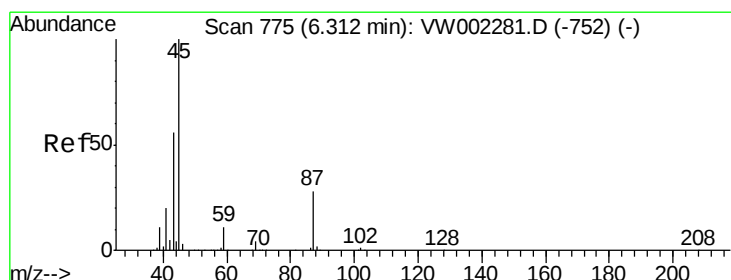
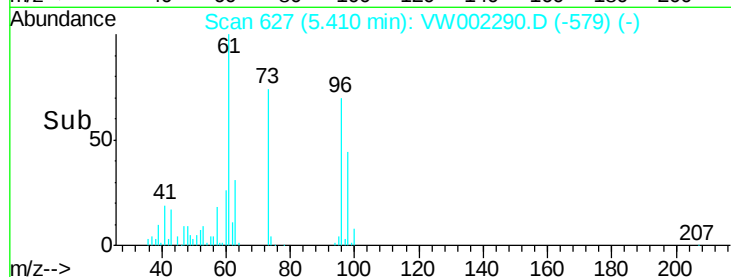
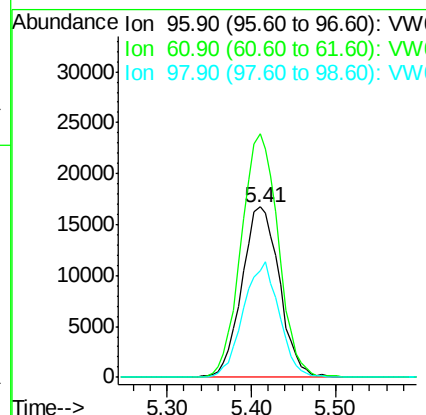
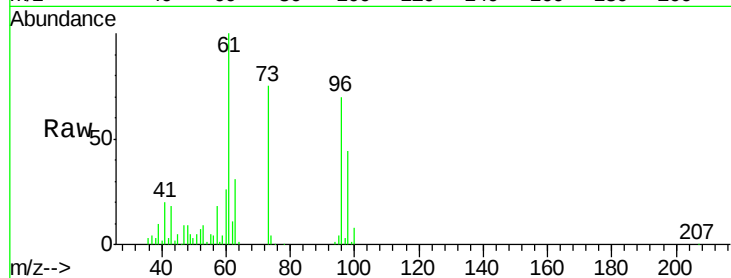
Tot Ion: 96 Resp: 50420

Ion Ratio Lower Upper

96 100

61 142.9 109.5 164.3

98 62.5 50.2 75.4



#22

Diisopropyl ether

Concen: 18.47 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Tgt Ion: 45 Resp: 145416

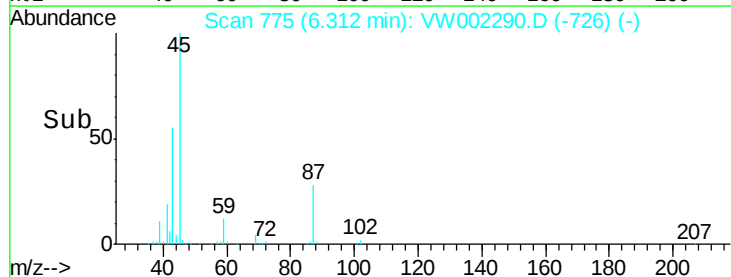
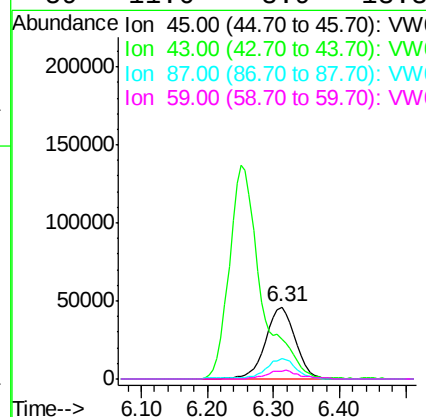
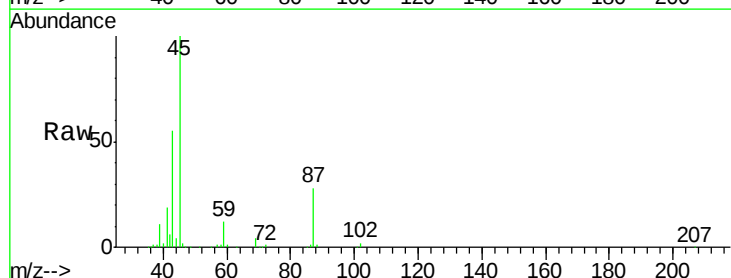
Ion Ratio Lower Upper

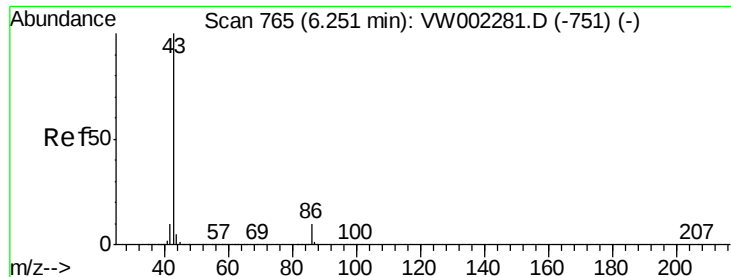
45 100

43 55.0 44.5 66.7

87 28.1 22.2 33.4

59 11.6 8.9 13.3





#23

Vinyl Acetate

Concen: 96.41 ug/l

RT: 6.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

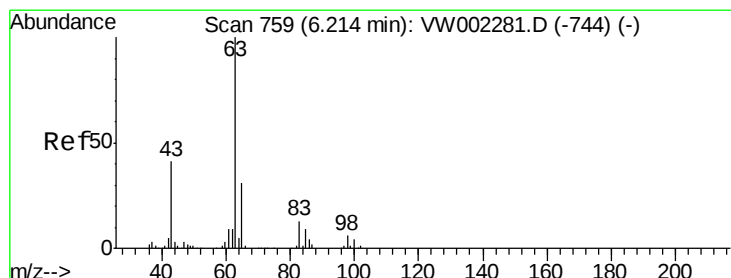
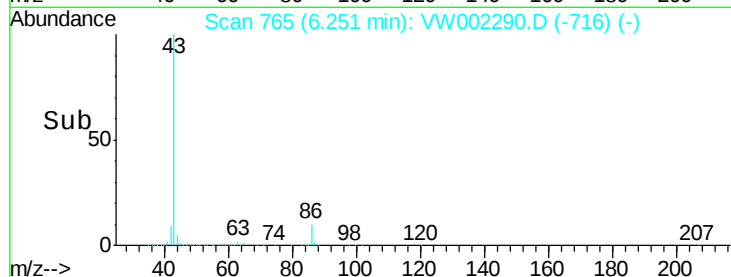
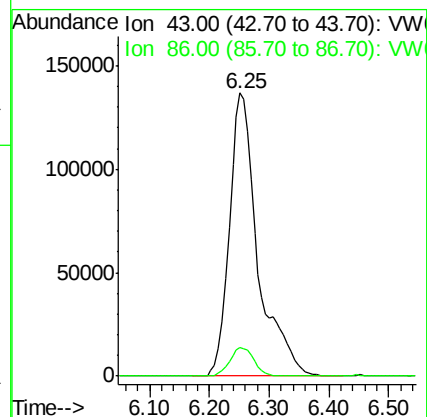
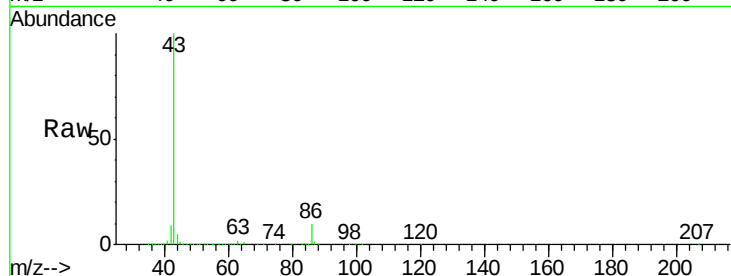
VW0508SBSD01

Tot Ion: 43 Resp: 454434

Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9



#24

1,1-Dichloroethane

Concen: 18.92 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

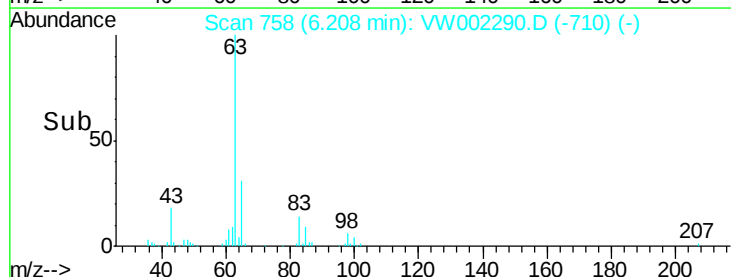
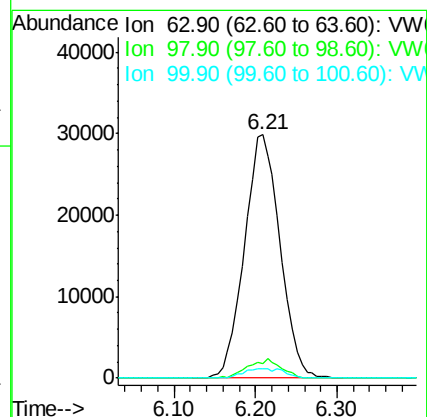
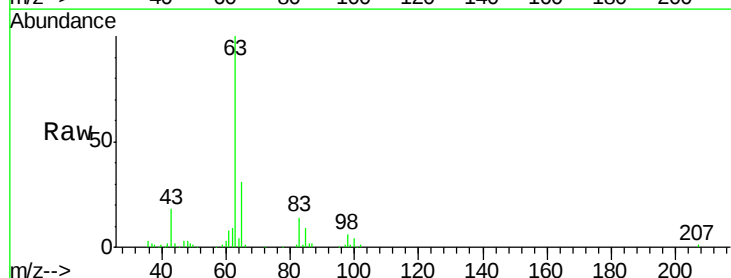
Tgt Ion: 63 Resp: 90290

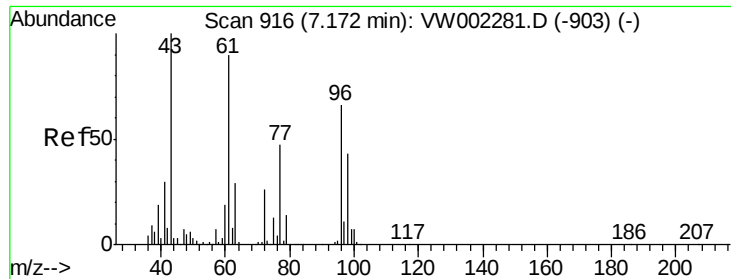
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 4.1 2.0 6.0

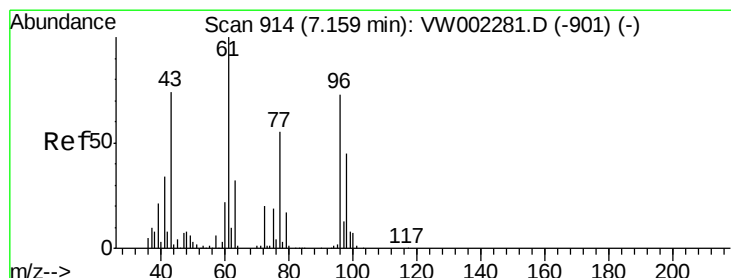
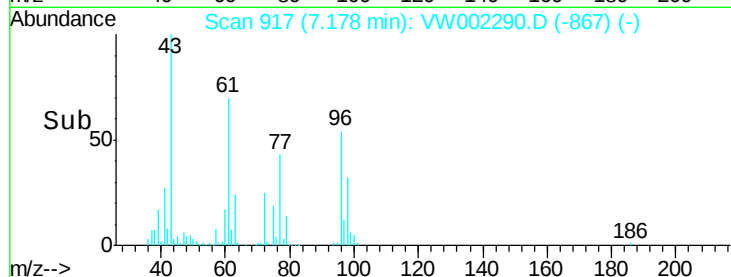
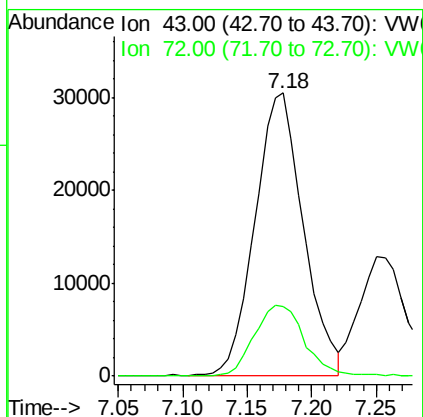
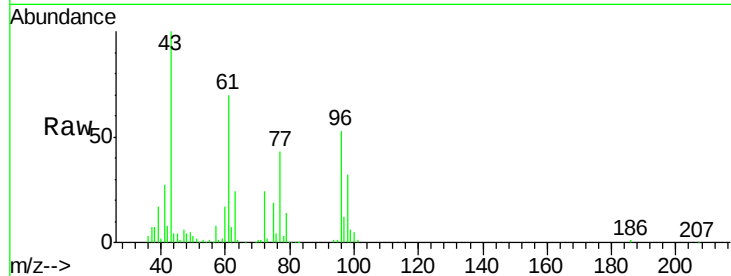




#25
2-Butanone
Concen: 94.62 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

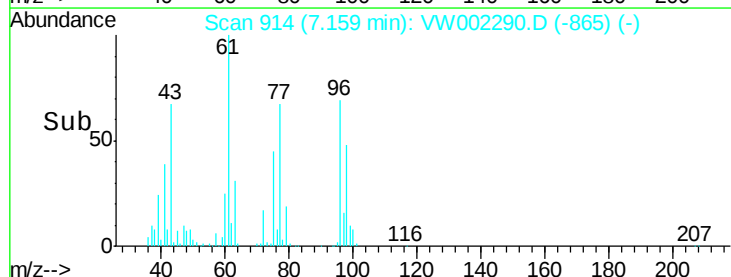
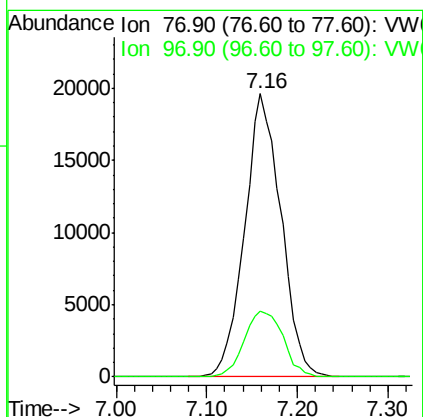
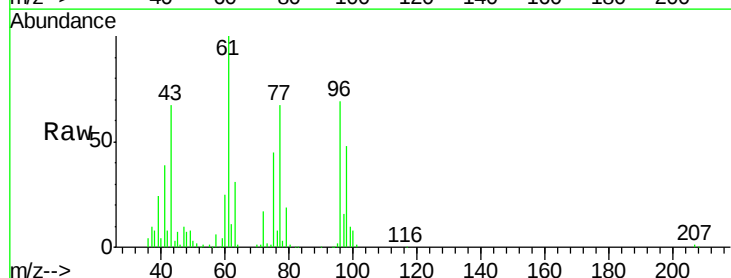
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBSD01

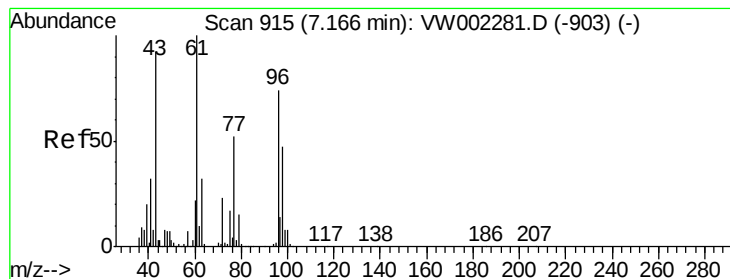
Tot Ion: 43 Resp: 78666
Ion Ratio Lower Upper
43 100
72 24.6 20.6 31.0



#26
2,2-Dichloropropane
Concen: 22.88 ug/l
RT: 7.16 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 77 Resp: 54440
Ion Ratio Lower Upper
77 100
97 24.9 12.7 38.0



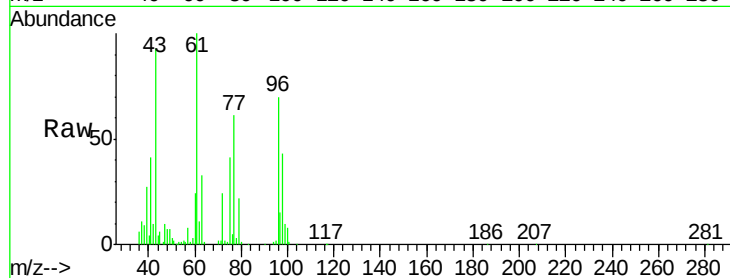


#27

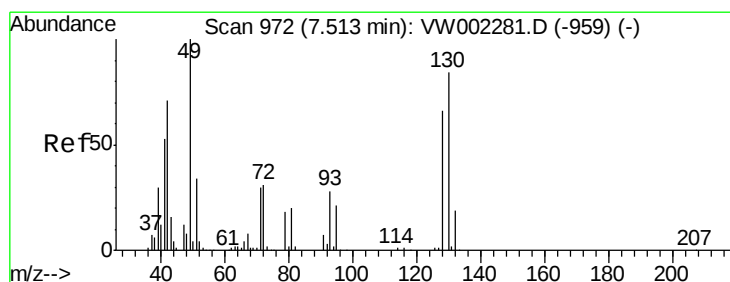
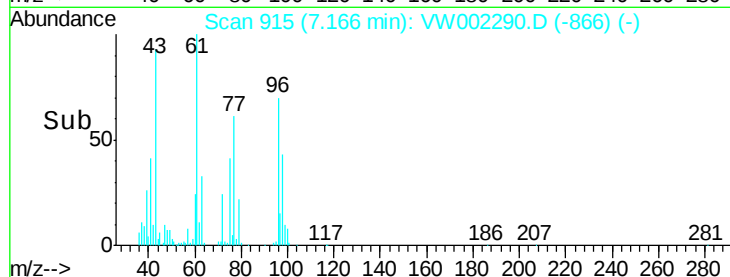
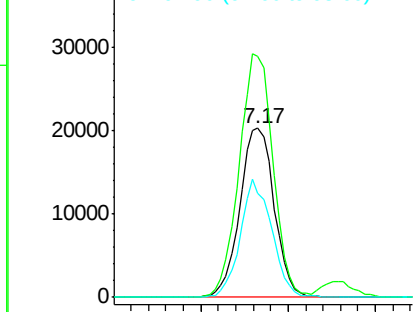
cis-1,2-Dichloroethene
Concen: 18.67 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		55500		
61	141.7	0.0	274.8		
98	63.9	0.0	128.4		



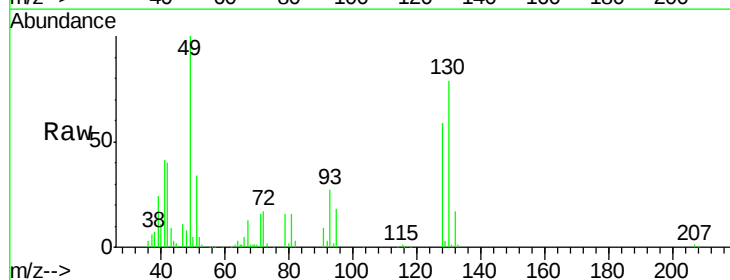
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



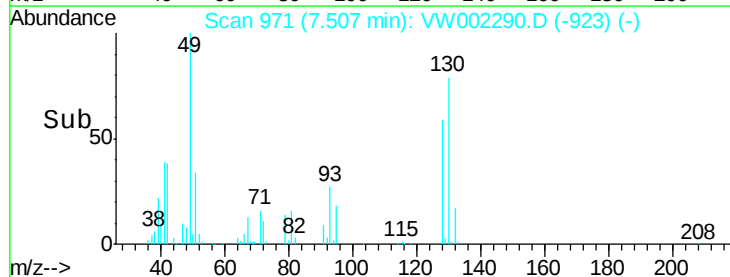
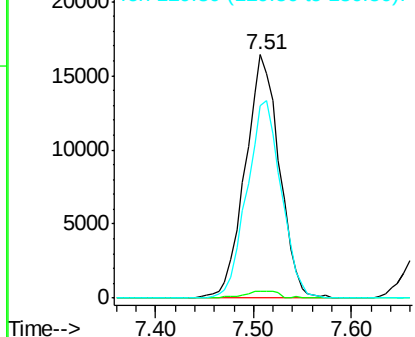
#28

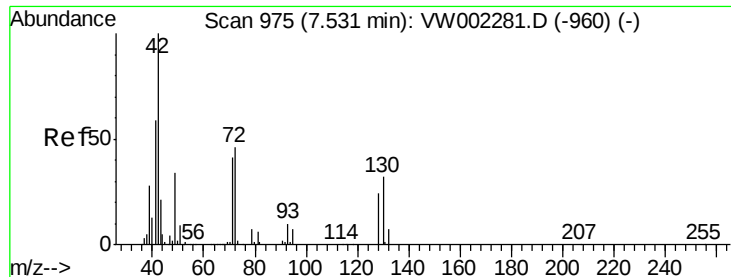
Bromochloromethane
Concen: 18.37 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		39662		
129	2.7	0.0	2.4#		
130	81.7	65.5	98.3		



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

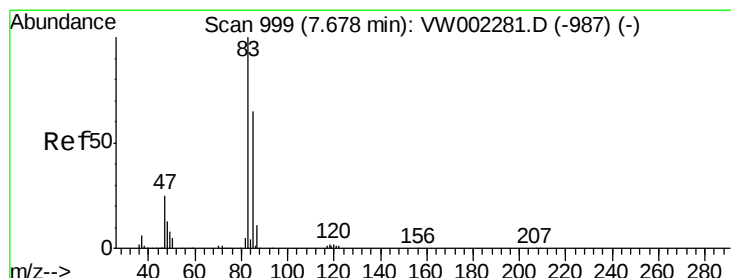
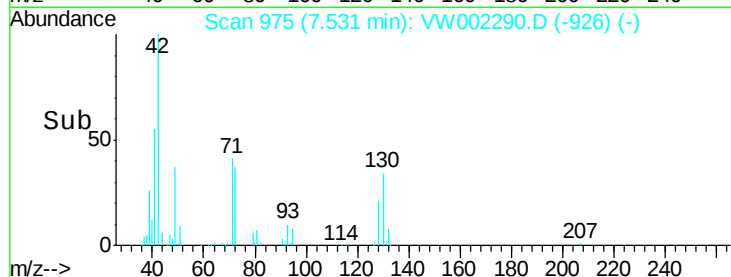
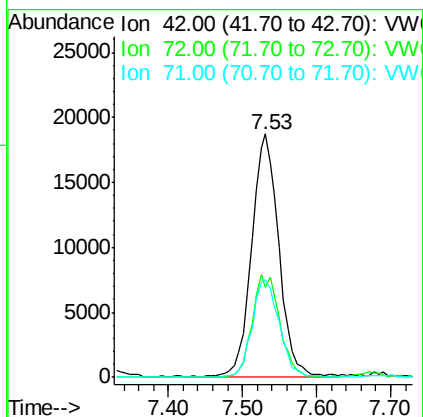
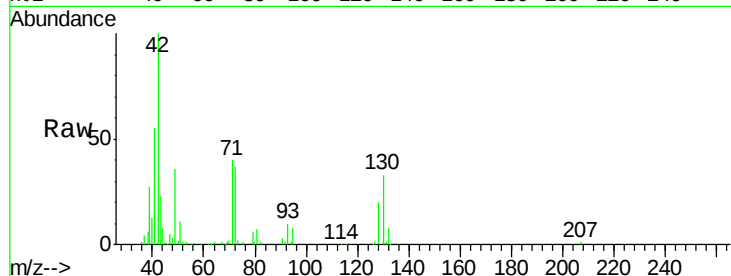




#29
Tetrahydrofuran
Concen: 87.33 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

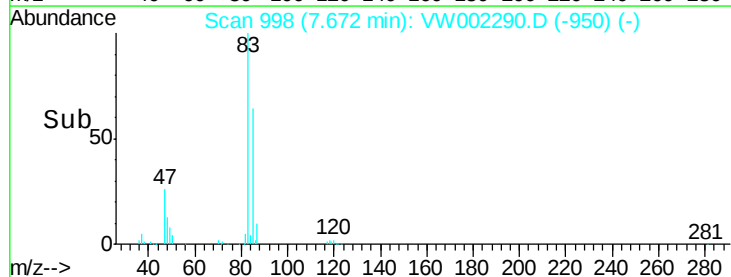
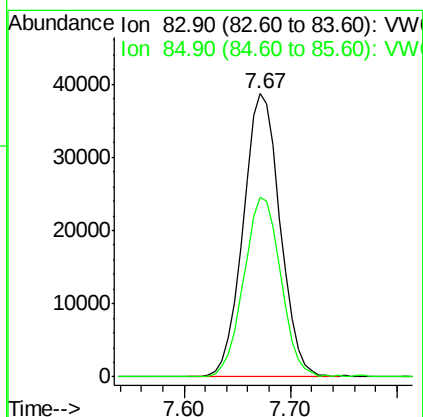
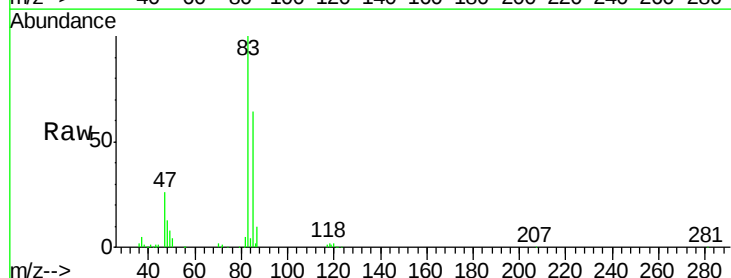
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

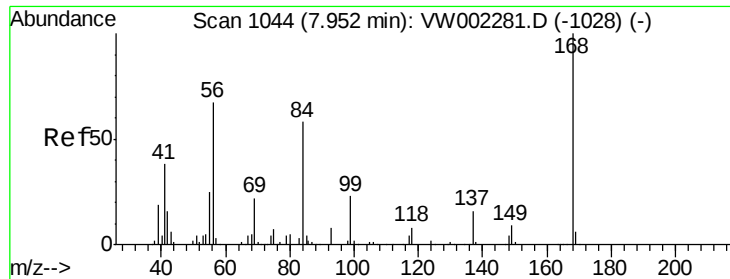
Tot Ion: 42 Resp: 47615
Ion Ratio Lower Upper
42 100
72 42.7 34.5 51.7
71 40.7 33.0 49.6



#30
Chloroform
Concen: 18.85 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 83 Resp: 94203
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6

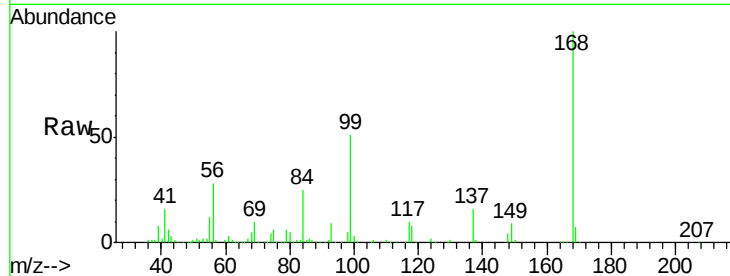




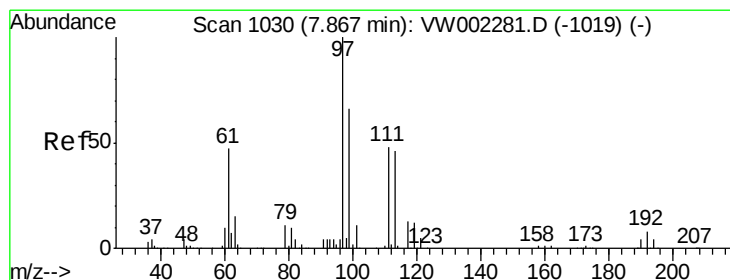
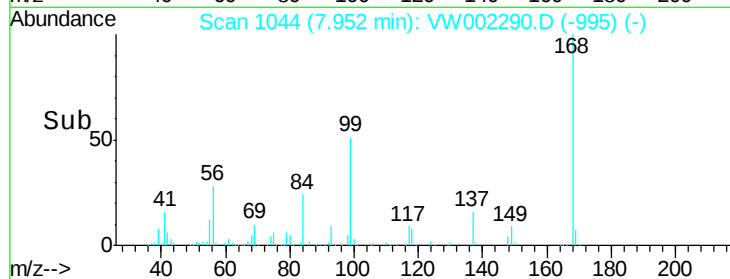
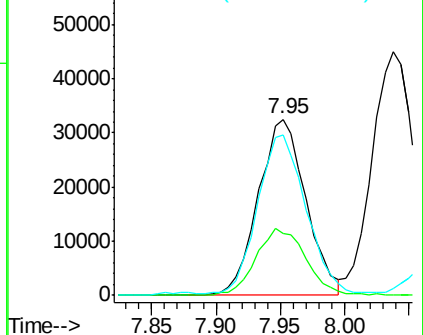
#31
Cyclohexane
Concen: 19.62 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

Tot Ion: 56 Resp: 83566
Ion Ratio Lower Upper
56 100
69 34.8 26.2 39.4
84 89.2 69.2 103.8

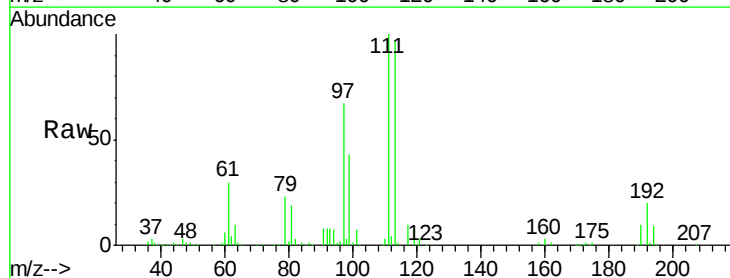


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

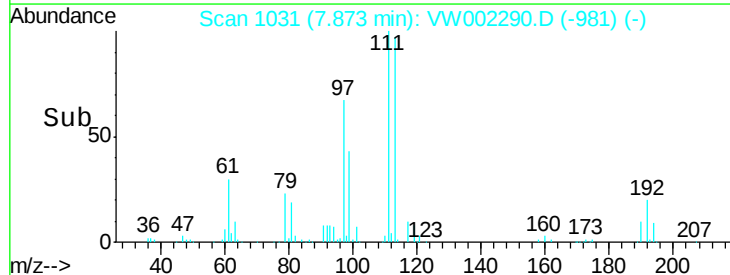
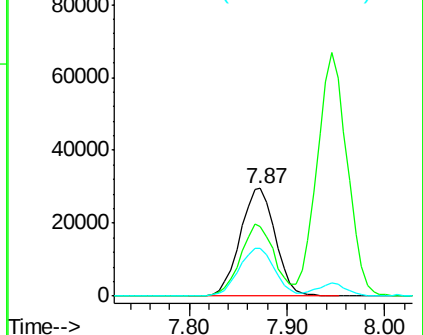


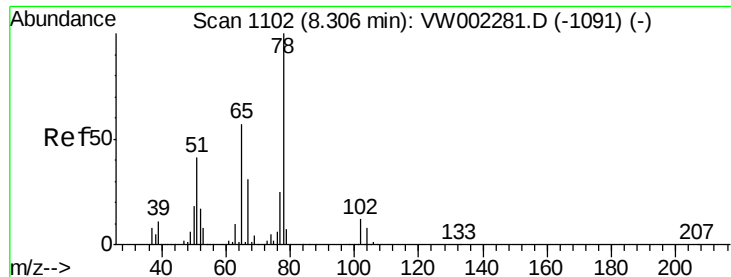
#32
1,1,1-Trichloroethane
Concen: 19.74 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 97 Resp: 74138
Ion Ratio Lower Upper
97 100
99 65.4 52.6 79.0
61 45.5 35.6 53.4



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





#33

1,2-Dichloroethane-d4

Concen: 47.23 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

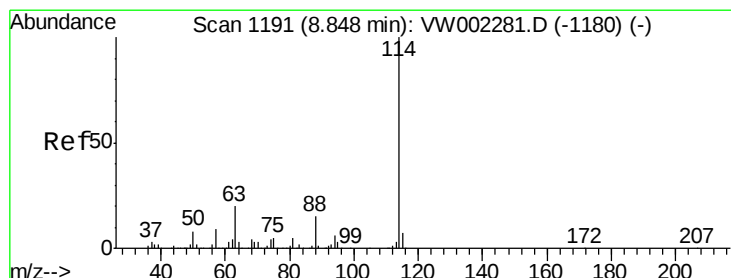
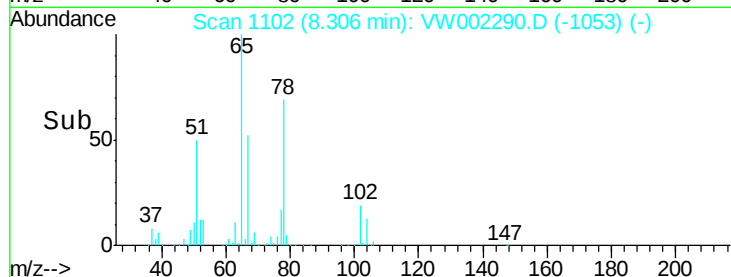
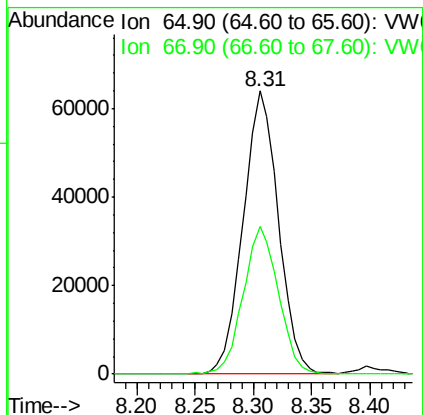
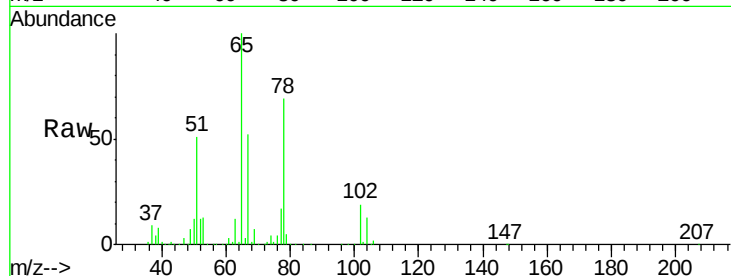
VW0508SBSD01

Tot Ion: 65 Resp: 135413

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

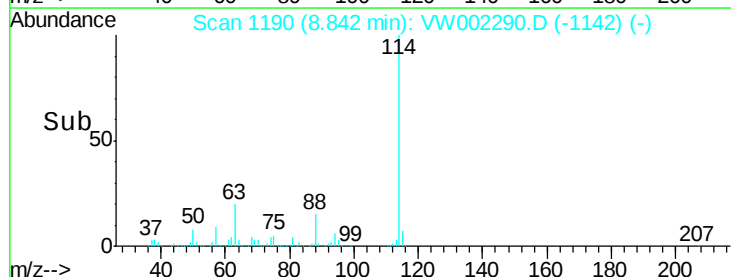
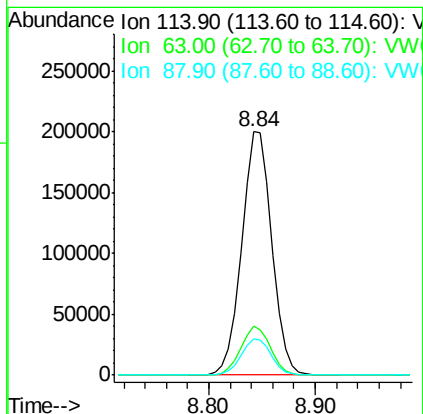
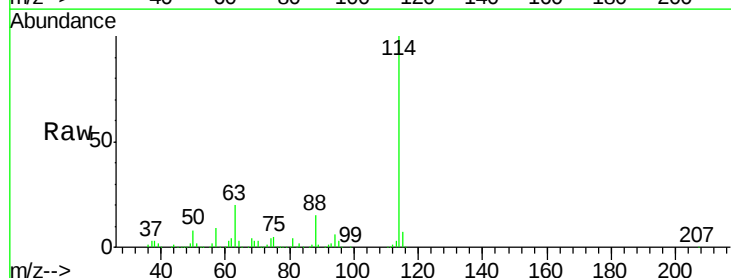
Tgt Ion: 114 Resp: 395641

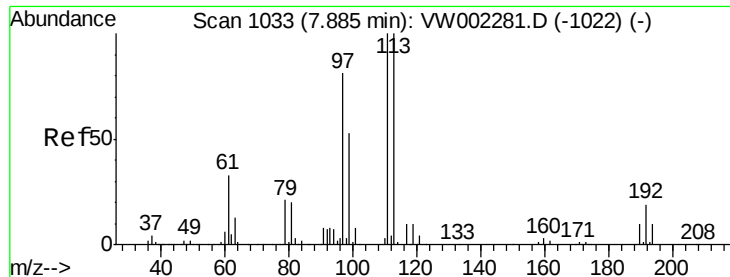
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

88 14.8 0.0 29.6

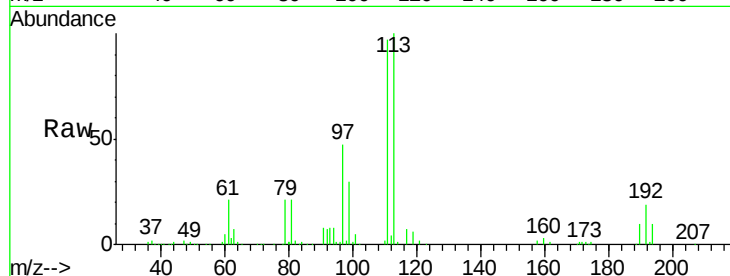




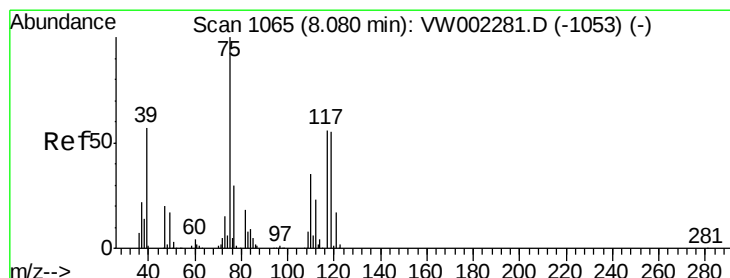
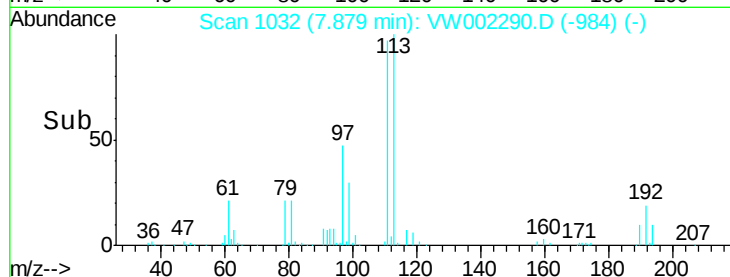
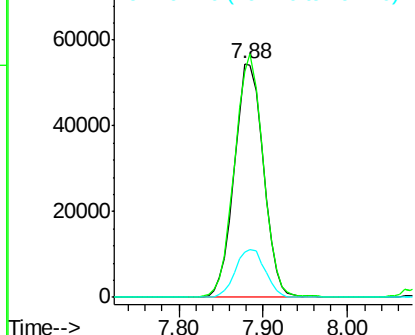
#35
 Dibromofluoromethane
 Concen: 50.22 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

Tot Ion:113 Resp: 127349
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 20.9 16.4 24.6

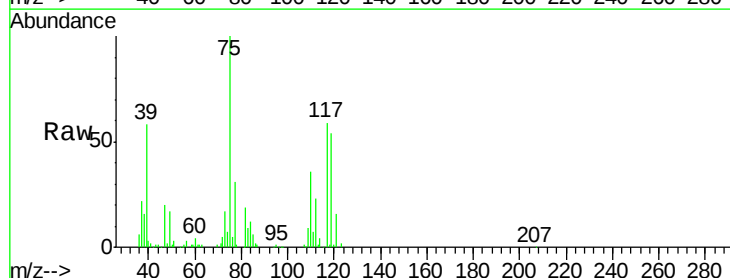


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

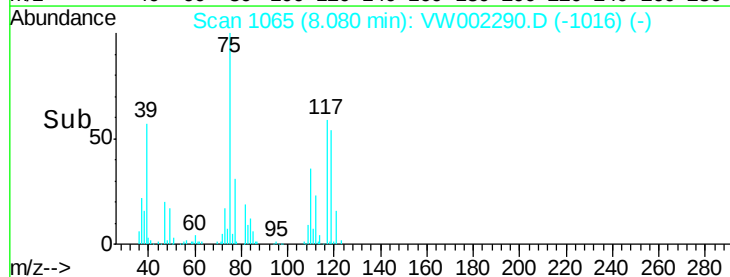
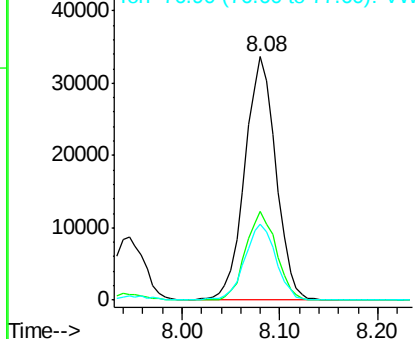


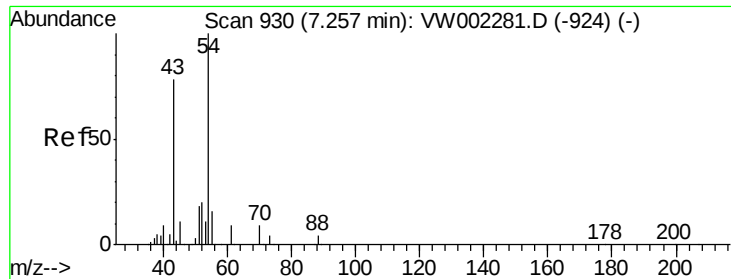
#36
 1,1-Dichloropropene
 Concen: 20.73 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 75 Resp: 74192
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.1 54.1
 77 31.4 24.5 36.7



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

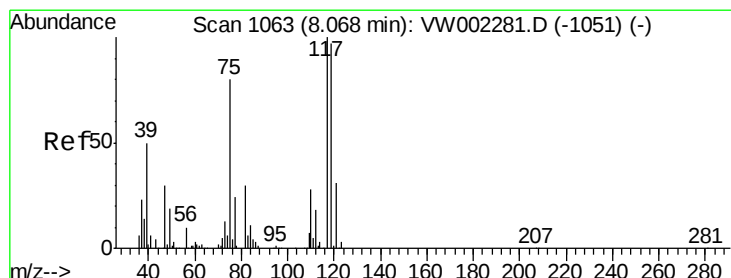
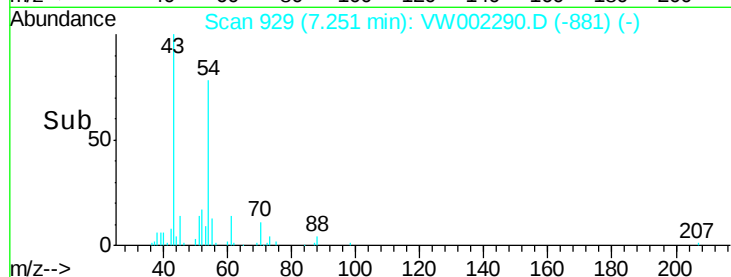
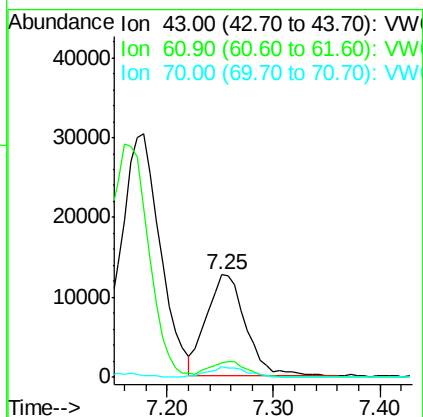
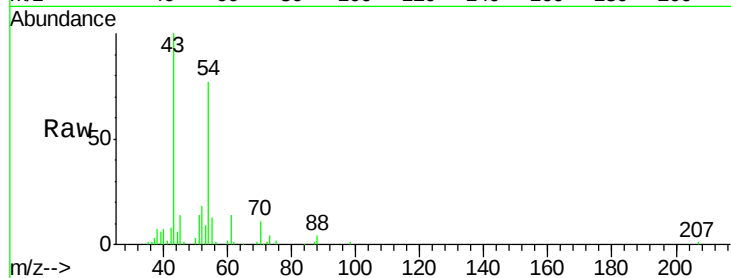




#37
Ethyl Acetate
Concen: 18.60 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

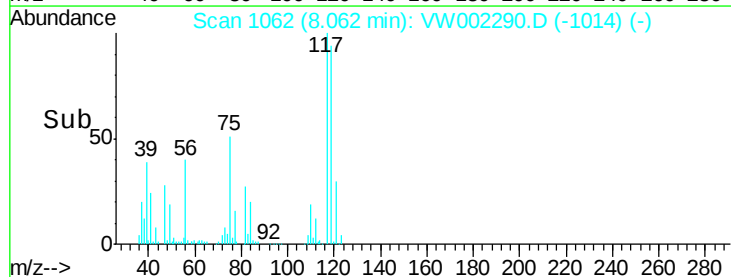
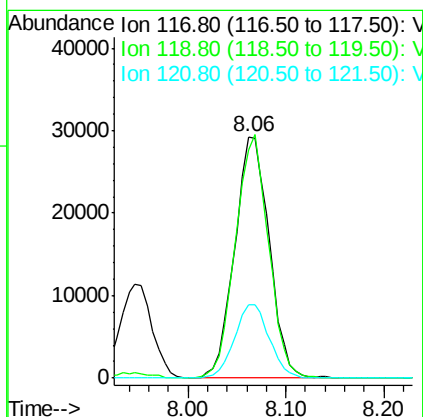
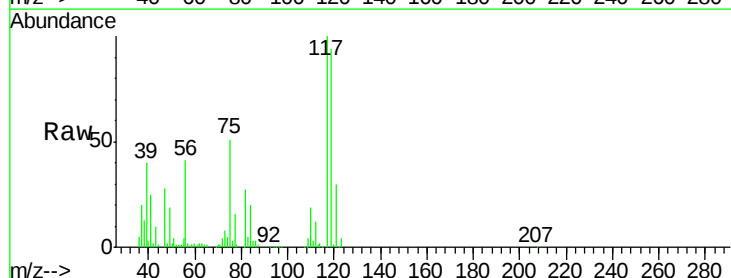
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

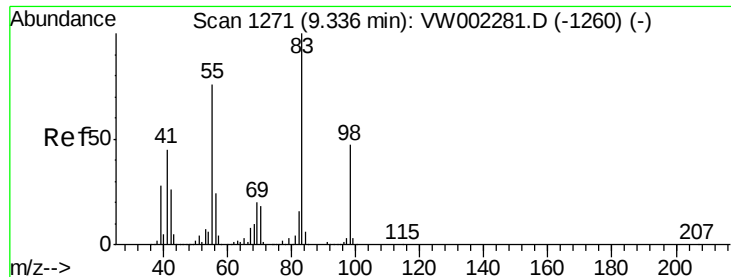
Tot Ion: 43 Resp: 32441
Ion Ratio Lower Upper
43 100
61 15.0 11.1 16.7
70 10.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 20.78 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 117 Resp: 71919
Ion Ratio Lower Upper
117 100
119 94.3 77.5 116.3
121 30.5 24.4 36.6

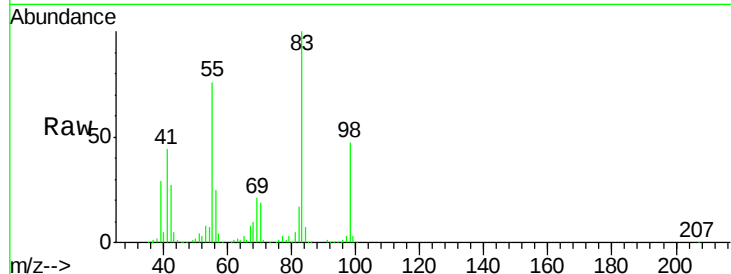




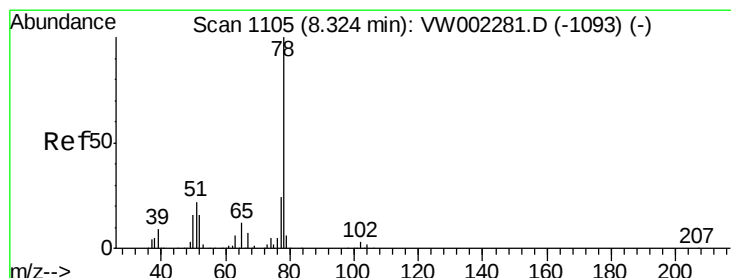
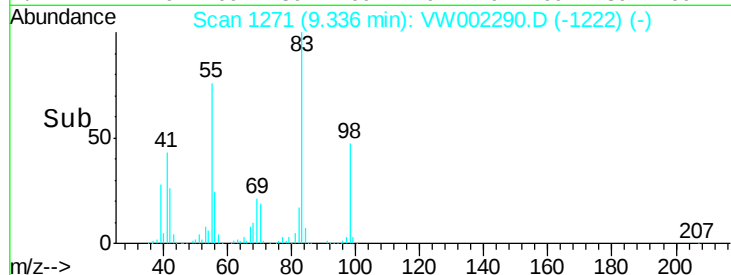
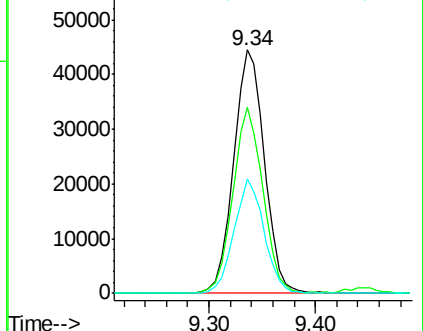
#39
Methvlcvclohexane
Concen: 21.63 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Instrument :
MSVOA_W
ClientSampleId :
VW0508SBSD01

Tot Ion: 83 Resp: 90312
Ion Ratio Lower Upper
83 100
55 76.3 60.6 91.0
98 47.1 37.4 56.0

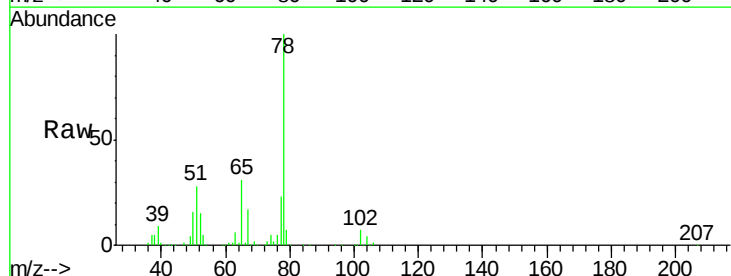


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

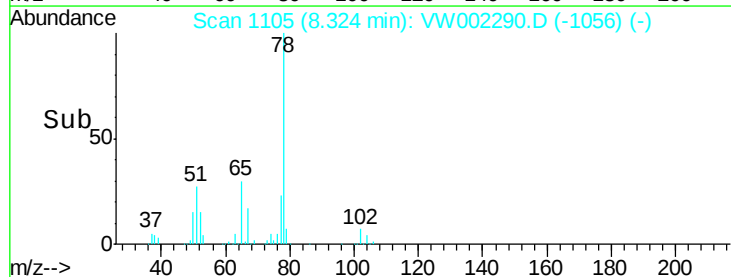
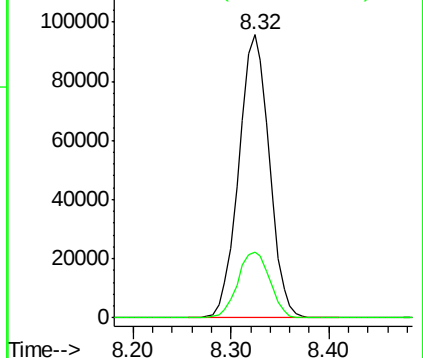


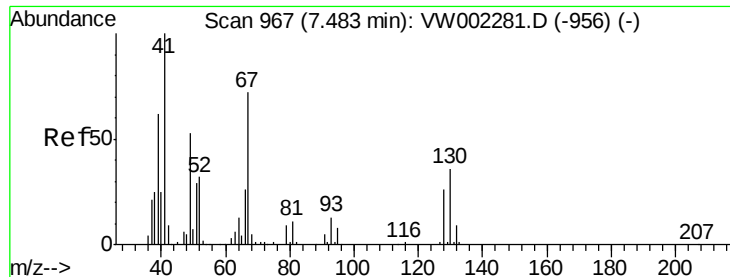
#40
Benzene
Concen: 19.85 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 78 Resp: 207600
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9



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

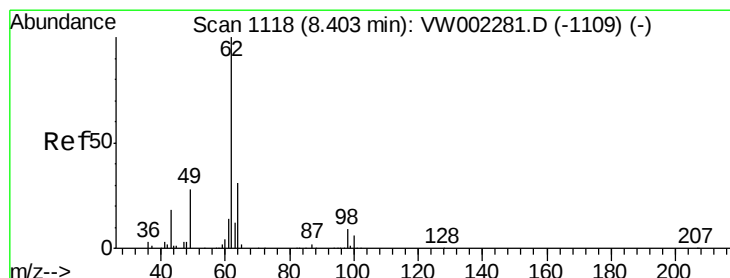
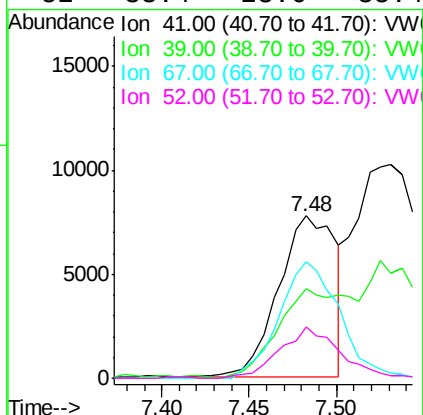
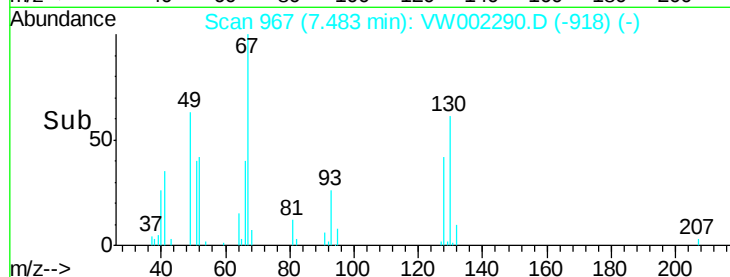
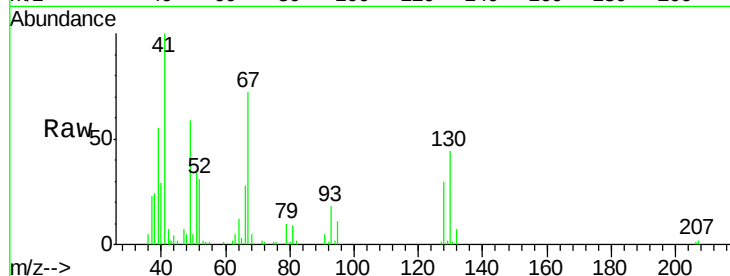




#41
Methacrylonitrile
Concen: 17.66 ug/l
RT: 7.48 min Scan# 967
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

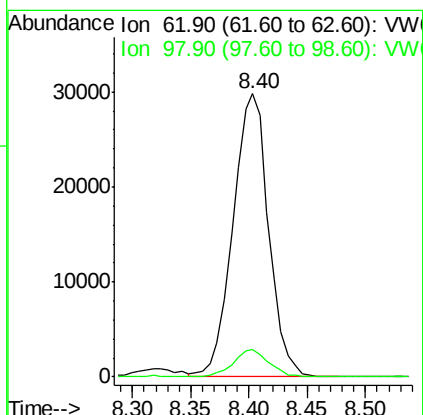
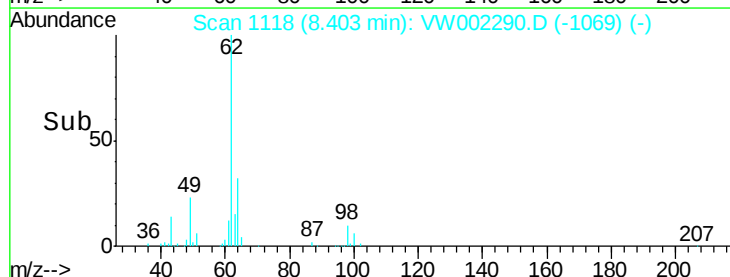
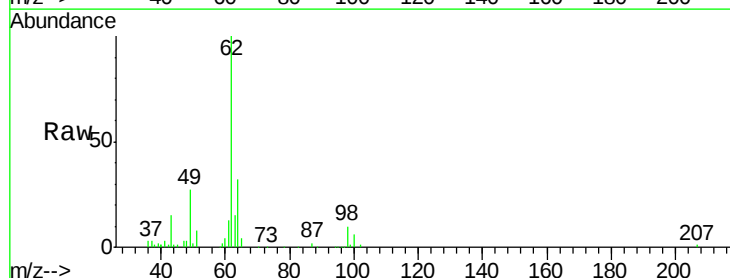
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

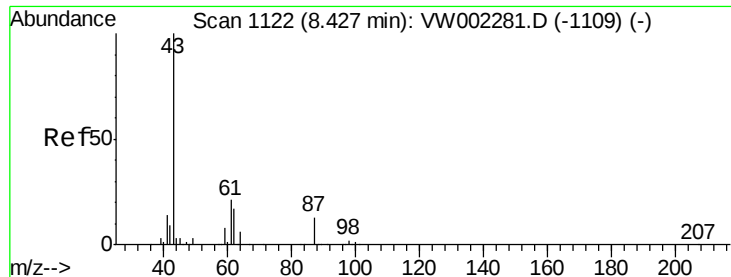
Tot Ion: 41 Resp: 17648
Ion Ratio Lower Upper
41 100
39 65.4 40.2 60.4#
67 77.1 54.7 82.1
52 33.4 23.6 35.4



#42
1,2-Dichloroethane
Concen: 19.42 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 62 Resp: 63360
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.4



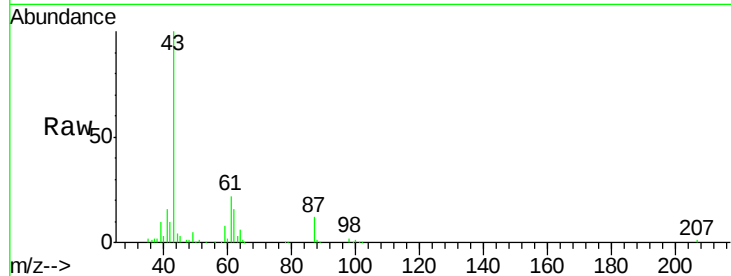


#43

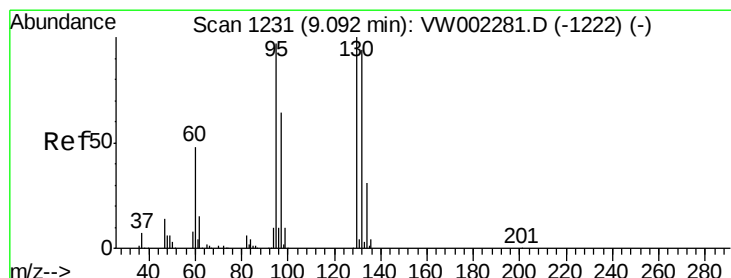
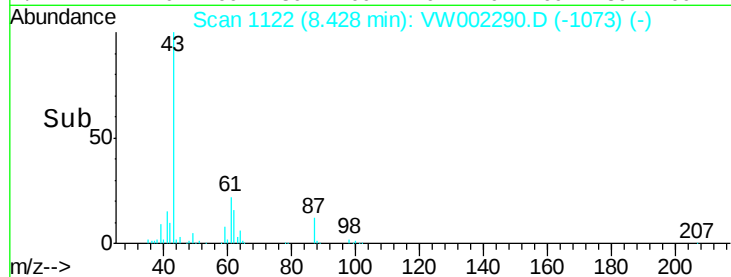
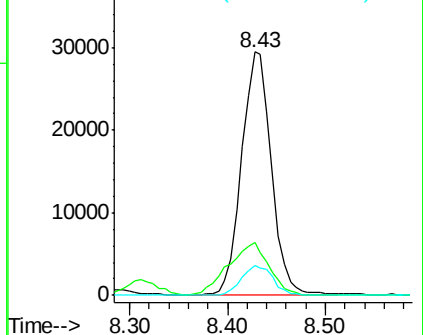
Isopropyl Acetate
 Concen: 18.85 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

Tot Ion: 43 Resp: 62374
 Ion Ratio Lower Upper
 43 100
 61 29.7 23.7 35.5
 87 13.0 10.7 16.1



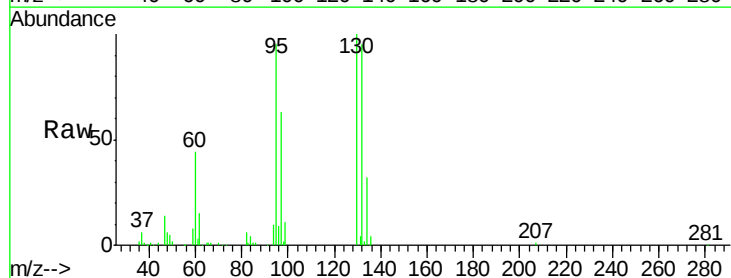
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



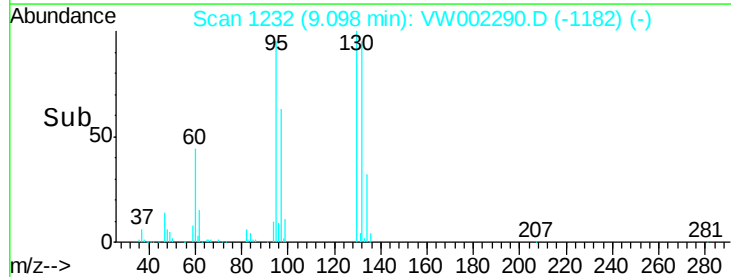
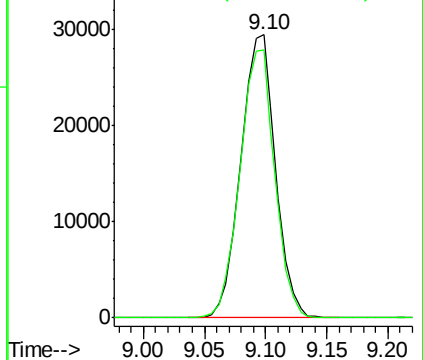
#44

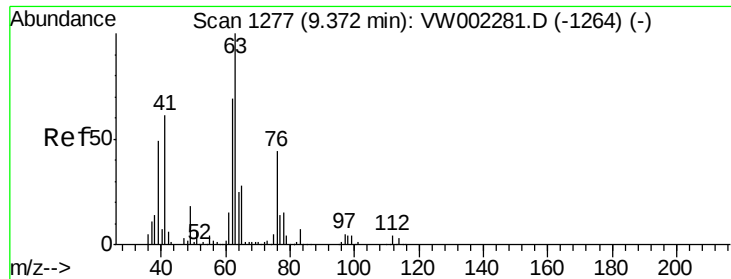
Trichloroethene
 Concen: 20.32 ug/l
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 130 Resp: 57943
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 193.4



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

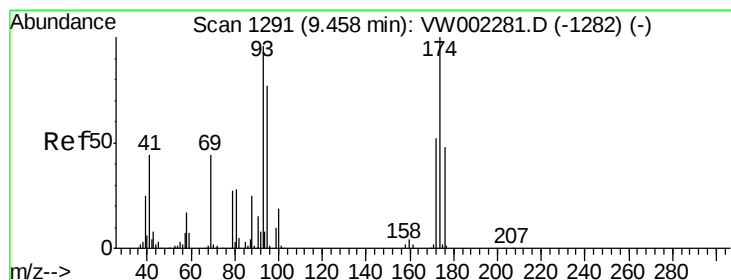
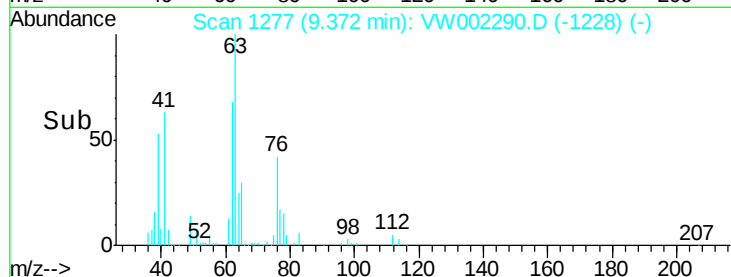
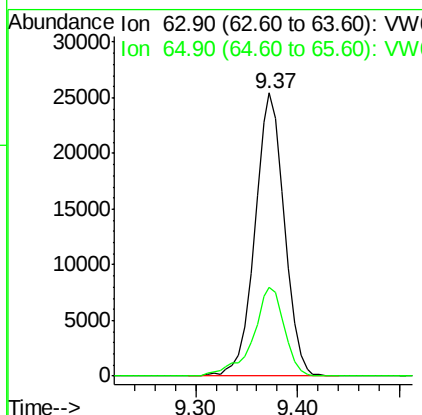
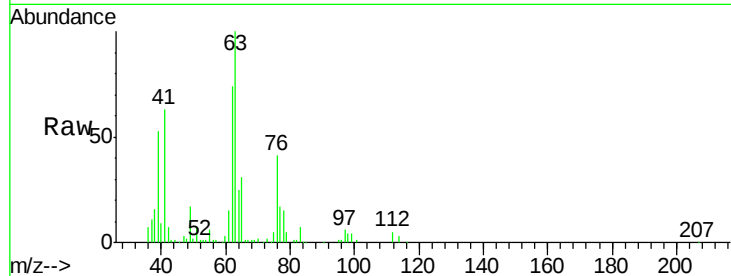




#45
 1,2-Dichloropropane
 Concen: 19.49 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

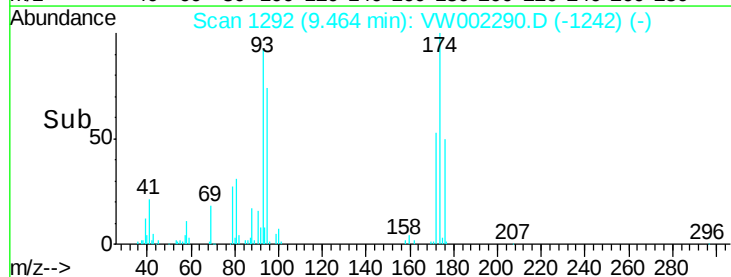
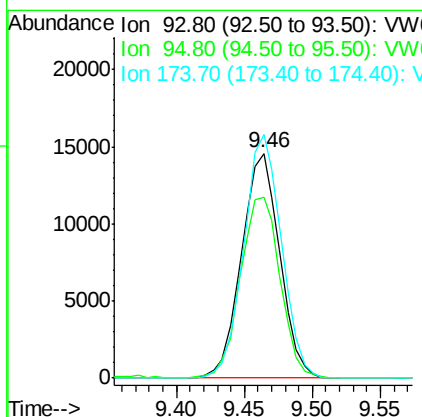
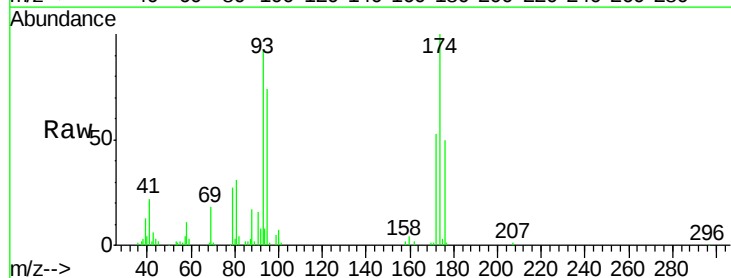
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

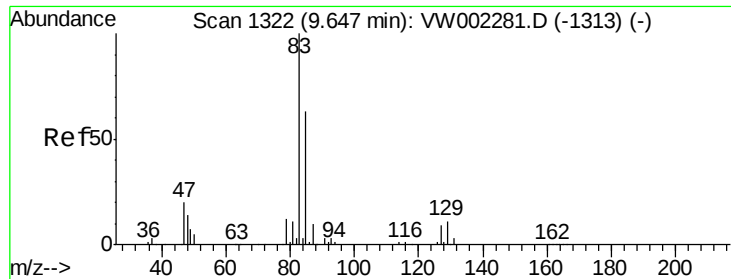
Tot Ion: 63 Resp: 51077
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.9 34.3



#46
 Dibromomethane
 Concen: 19.54 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 93 Resp: 28627
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.4 99.6
 174 107.0 86.8 130.2





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

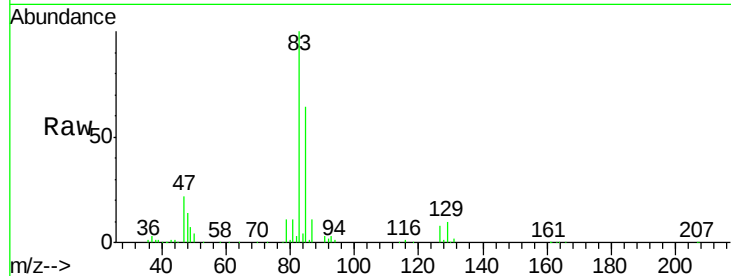
Tot Ion: 83 Resp: 67919

Ion Ratio Lower Upper

83 100

85 63.7 50.2 75.2

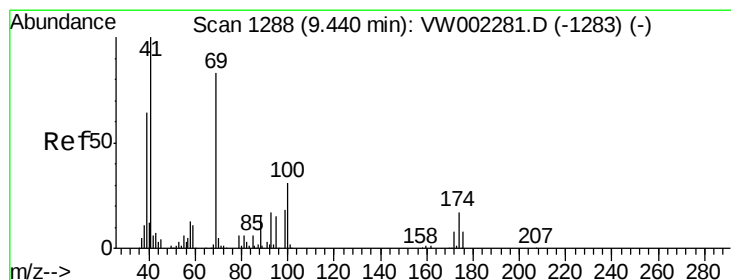
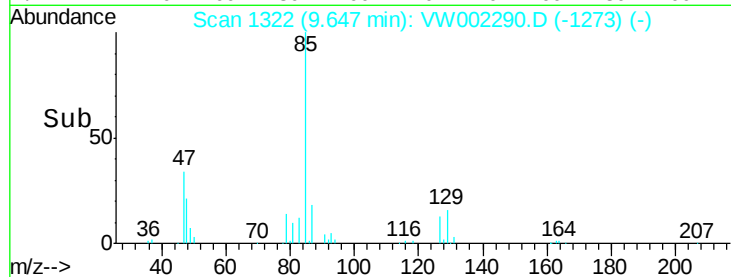
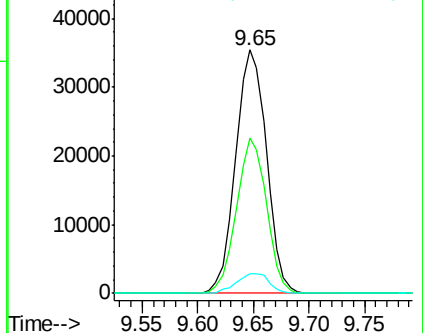
127 8.2 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.49 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

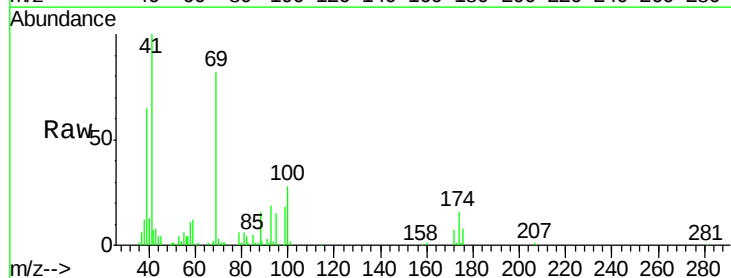
Tgt Ion: 41 Resp: 29708

Ion Ratio Lower Upper

41 100

69 89.0 69.9 104.9

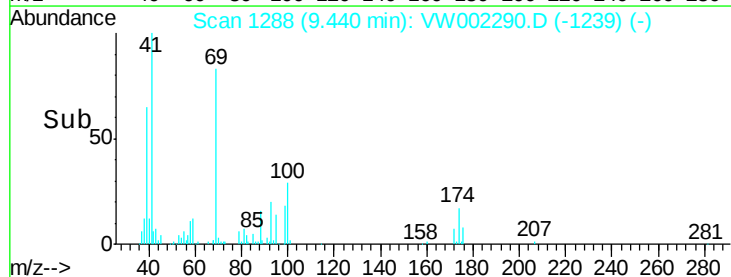
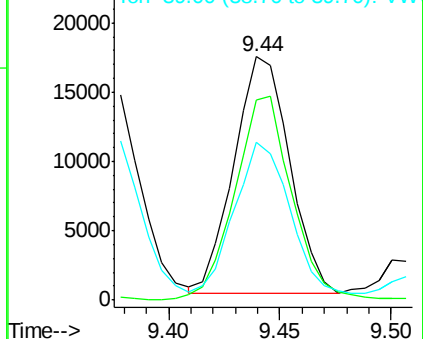
39 68.6 54.0 81.0

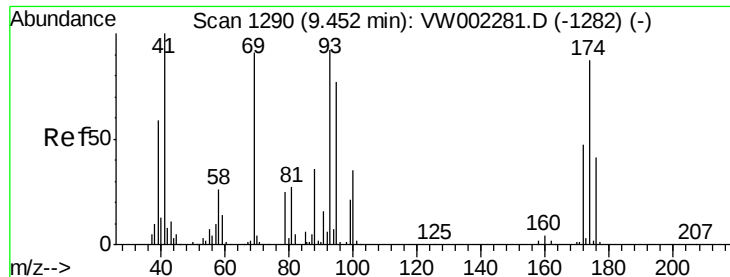


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 382.56 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

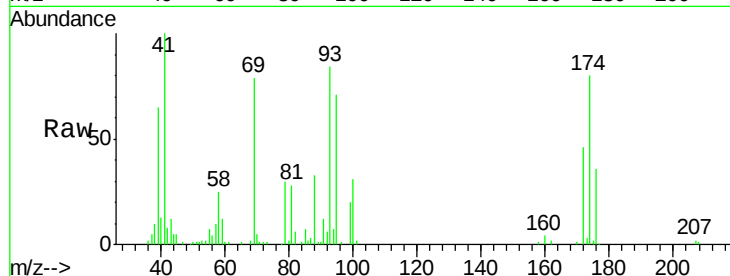
Tot Ion: 88 Resp: 8902

Ion Ratio Lower Upper

88 100

43 32.4 26.3 39.5

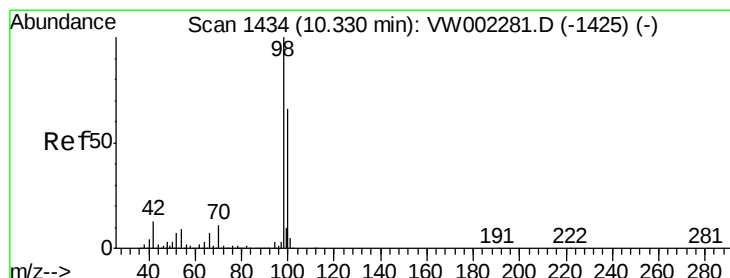
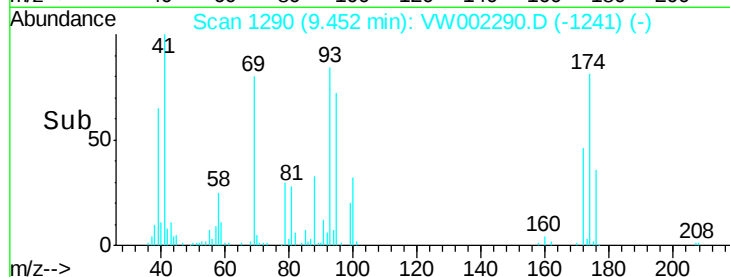
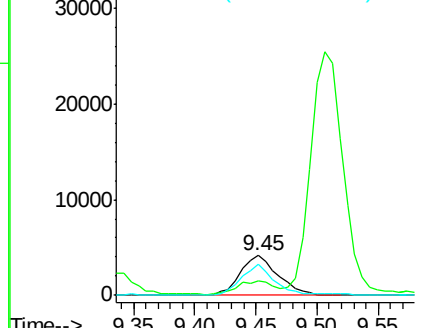
58 68.6 56.0 84.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.47 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002290.D

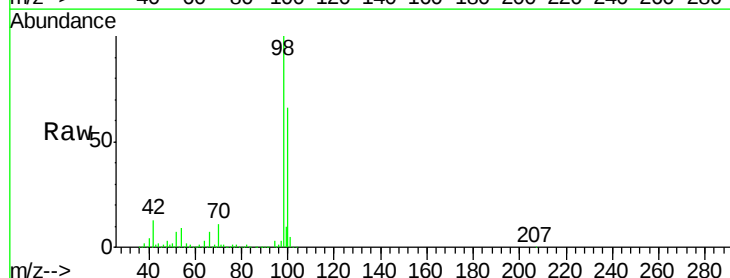
Acq: 08 May 2018 13:31

Tgt Ion: 98 Resp: 497759

Ion Ratio Lower Upper

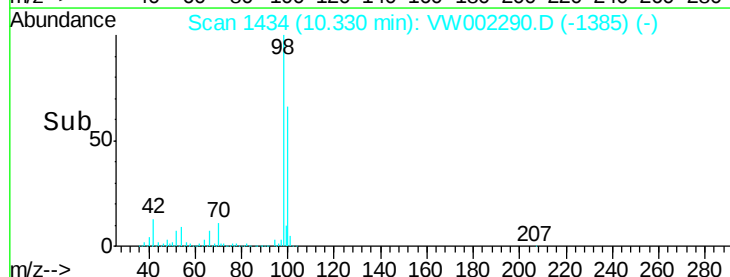
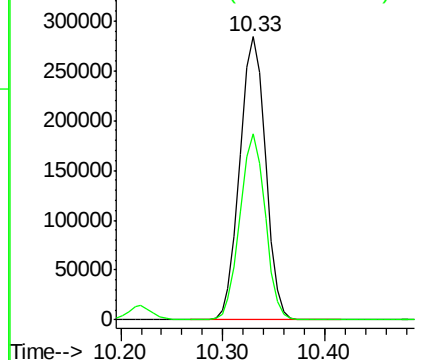
98 100

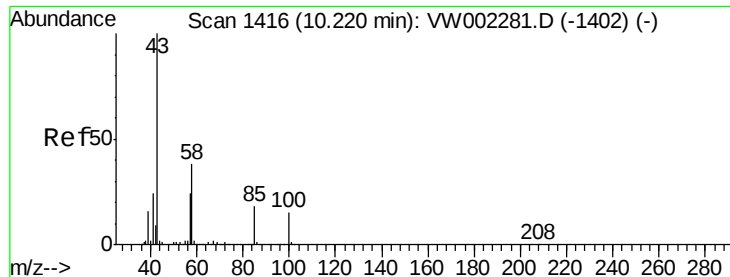
100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 92.10 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampled :

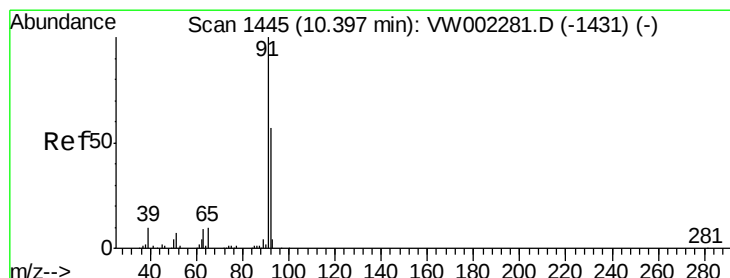
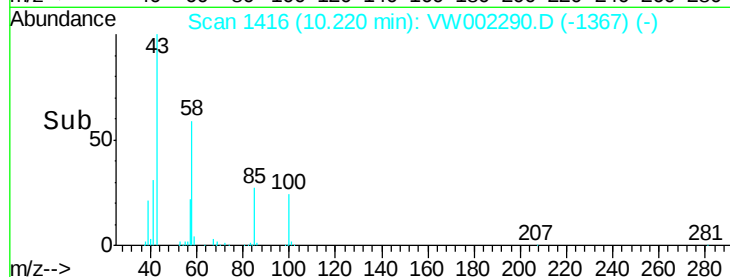
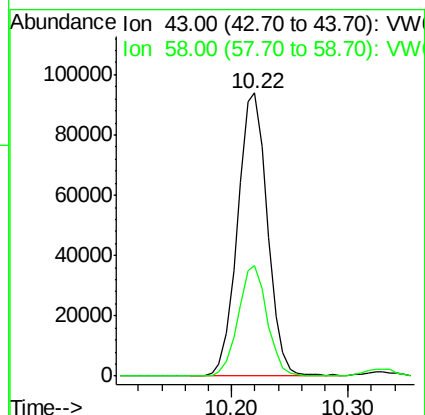
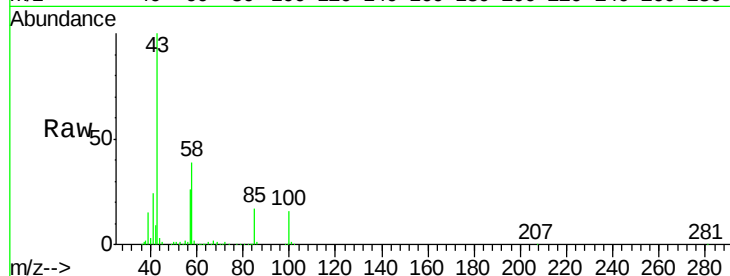
VW0508SBS01

Tot Ion: 43 Resp: 168071

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



#52

Toluene

Concen: 20.00 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW002290.D

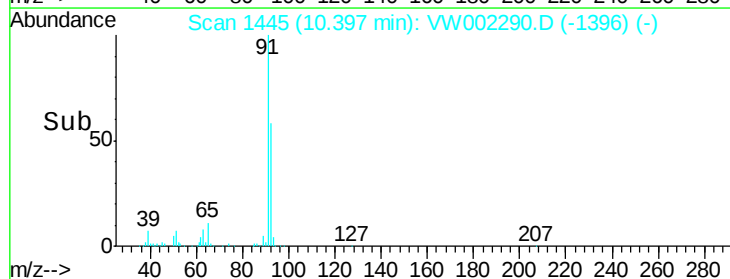
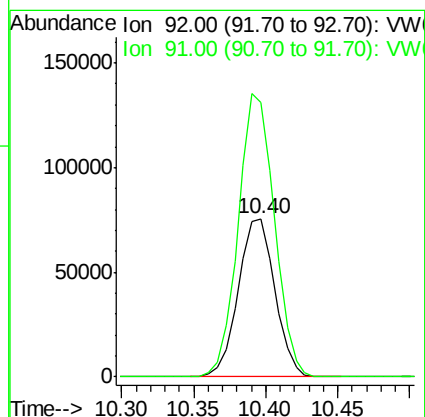
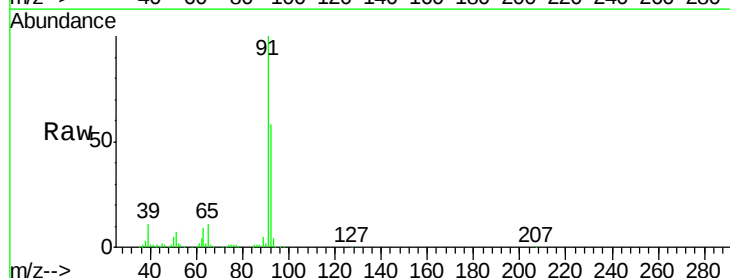
Acq: 08 May 2018 13:31

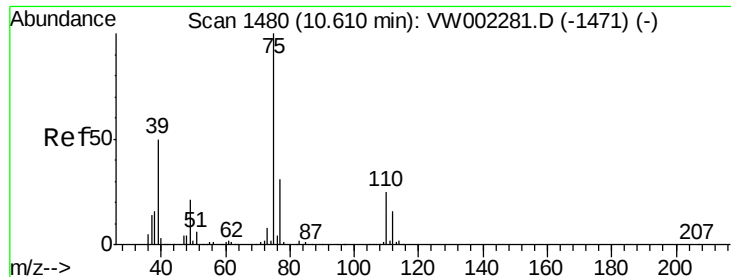
Tgt Ion: 92 Resp: 132866

Ion Ratio Lower Upper

92 100

91 177.7 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 19.93 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

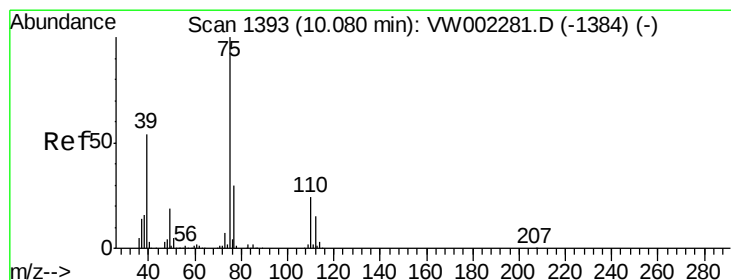
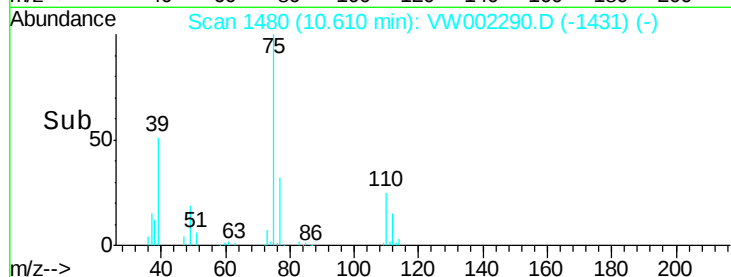
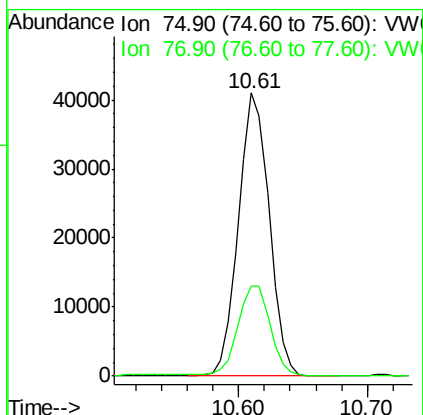
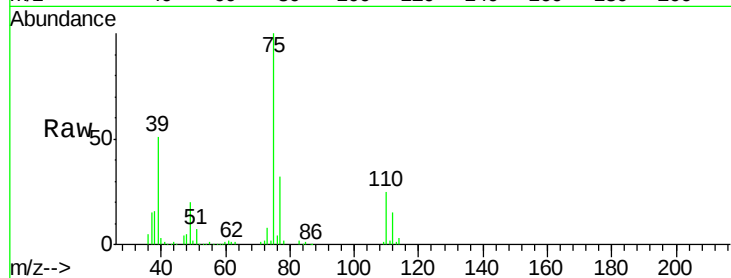
VW0508SBSD01

Tot Ion: 75 Resp: 67742

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.00 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

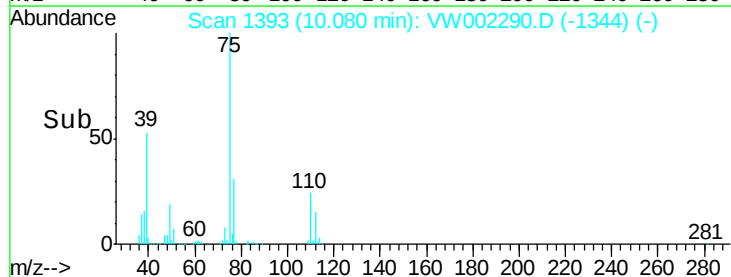
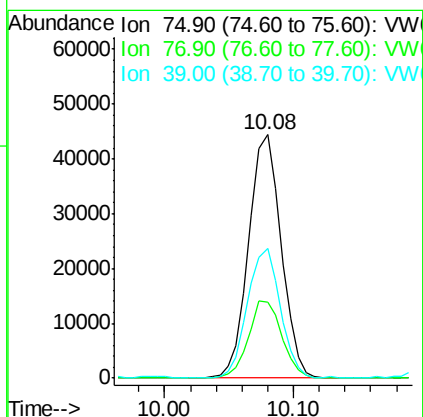
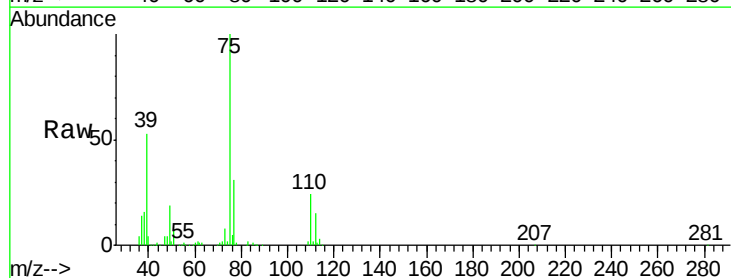
Tgt Ion: 75 Resp: 77705

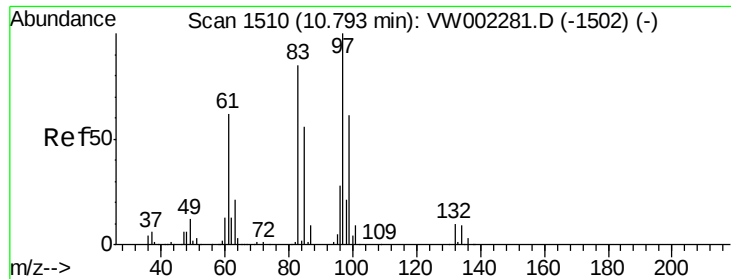
Ion Ratio Lower Upper

75 100

77 31.1 23.9 35.9

39 52.9 43.2 64.8

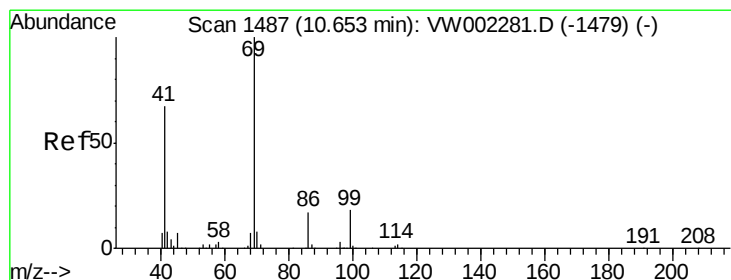
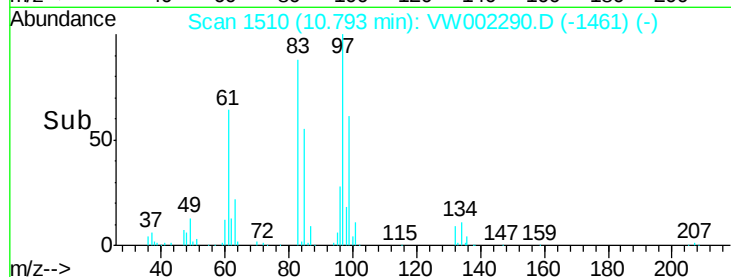
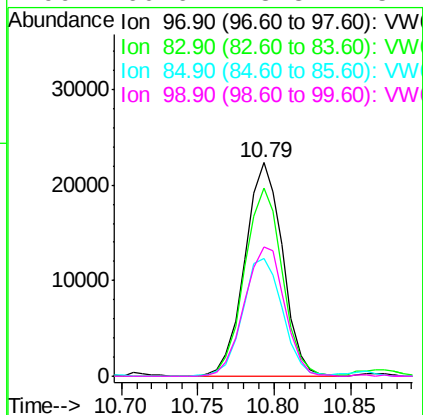
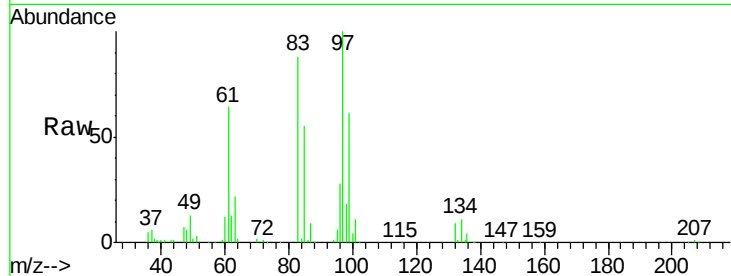




#55
 1,1,2-Trichloroethane
 Concen: 18.59 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

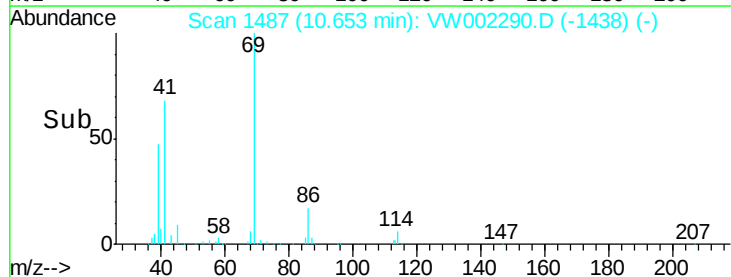
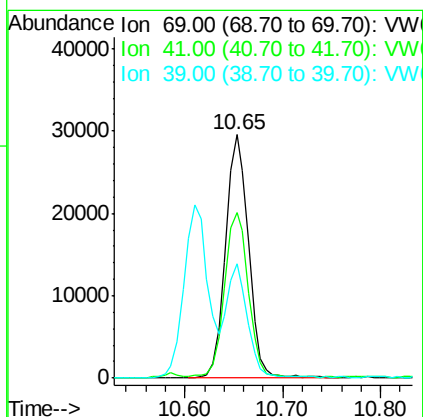
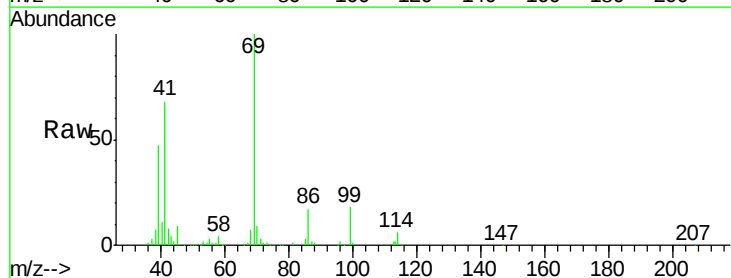
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

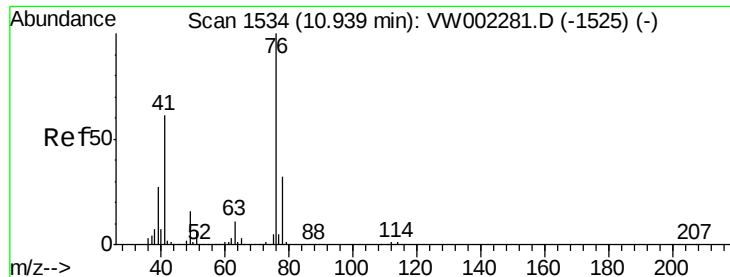
Tot Ion:	97	Resp:	38337
Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.4	102.6
85	55.0	44.6	67.0
99	60.6	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 18.87 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion:	69	Resp:	48123
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.0	84.0
39	41.3	32.7	49.1

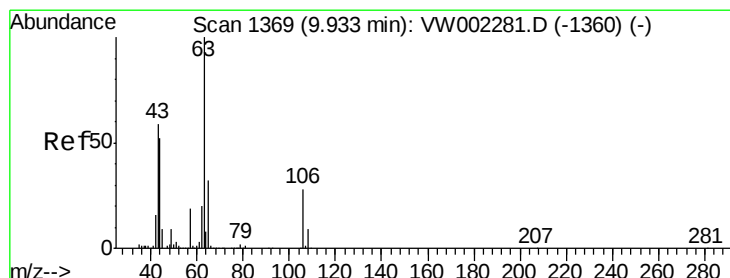
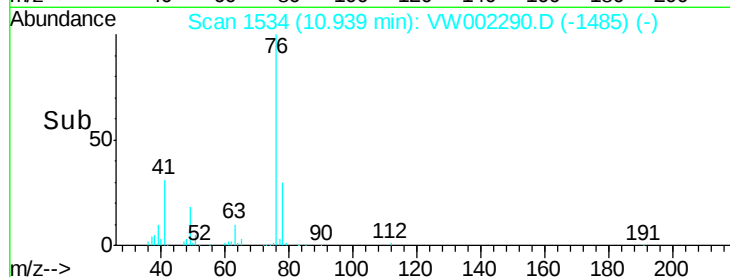
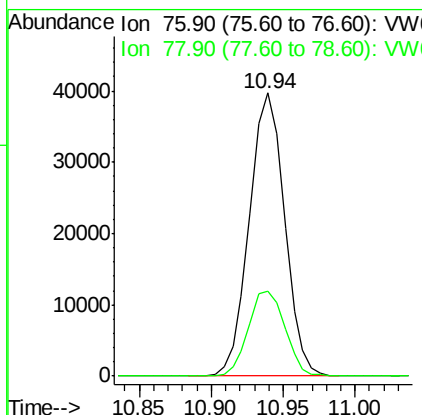
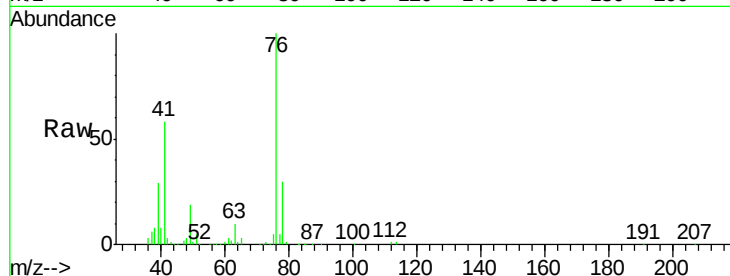




#57
 1,3-Dichloropropane
 Concen: 19.19 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

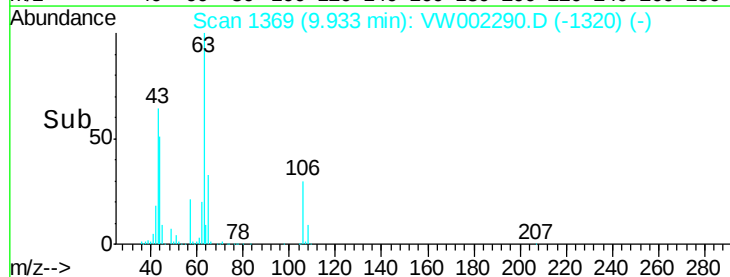
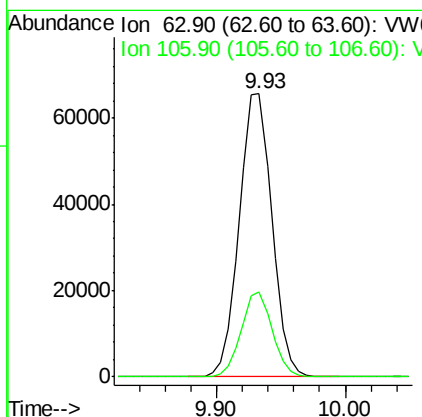
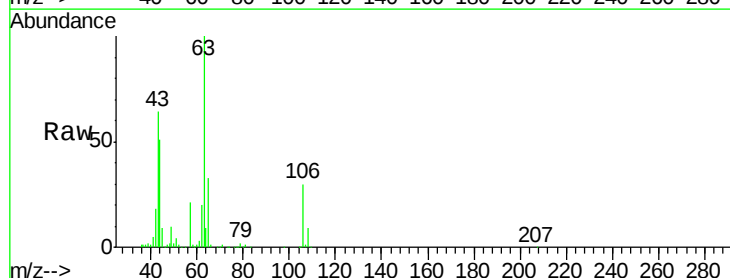
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

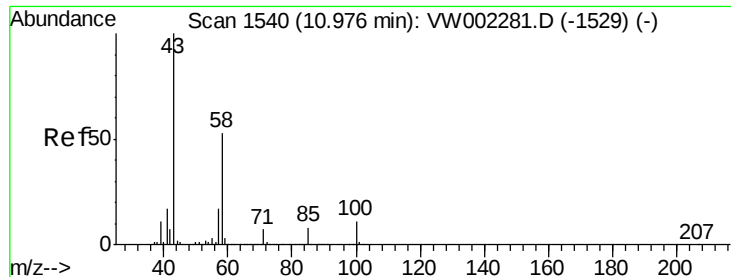
Tot Ion: 76 Resp: 67271
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.16 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion: 63 Resp: 115294
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.5 33.7

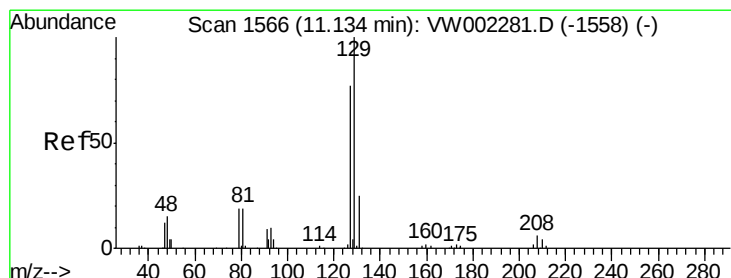
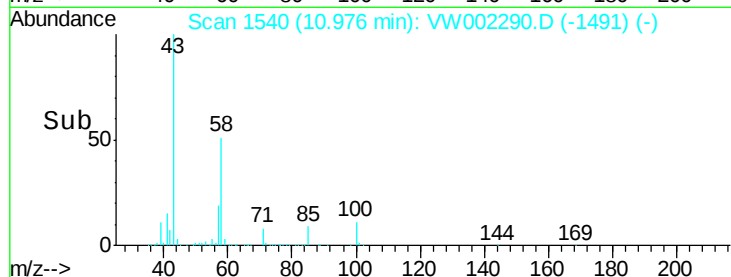
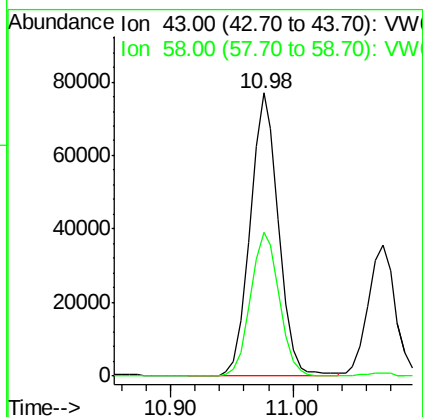
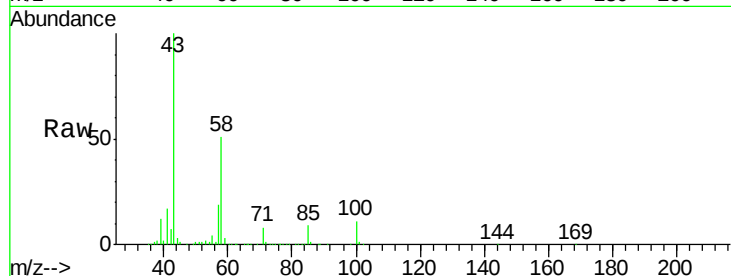




#59
2-Hexanone
Concen: 99.73 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

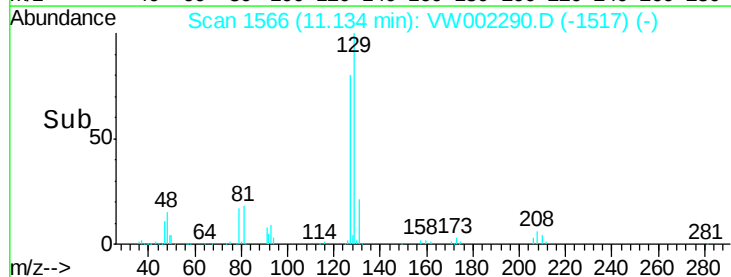
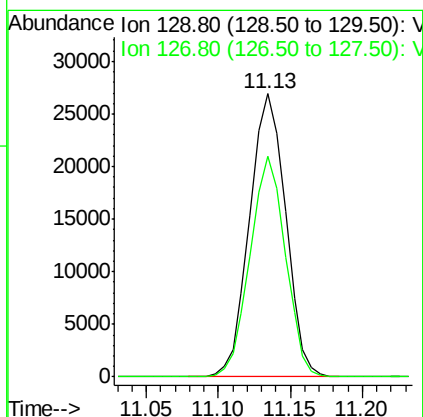
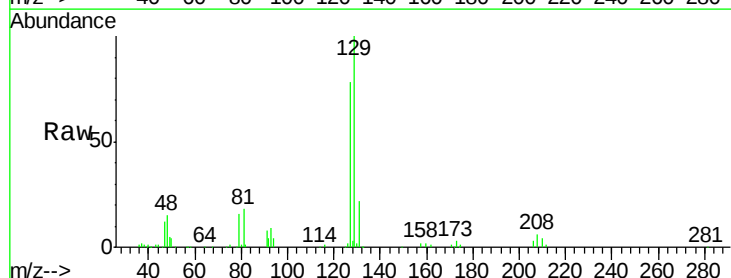
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBSD01

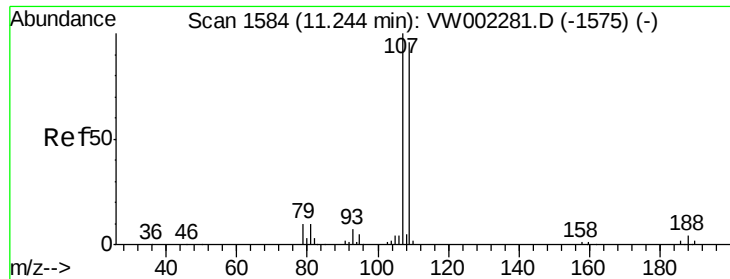
Tot Ion: 43 Resp: 124494
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0



#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 129 Resp: 46729
Ion Ratio Lower Upper
129 100
127 76.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.56 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampled :

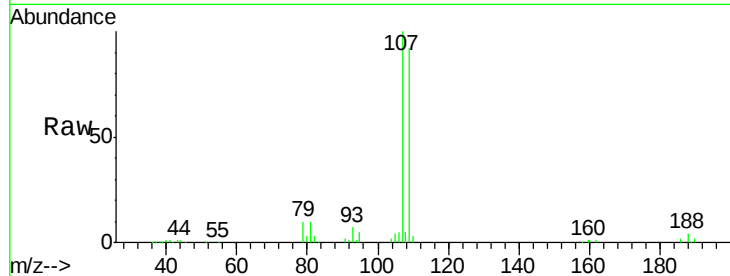
VW0508SBS01

Tot Ion:107 Resp: 39442

Ion Ratio Lower Upper

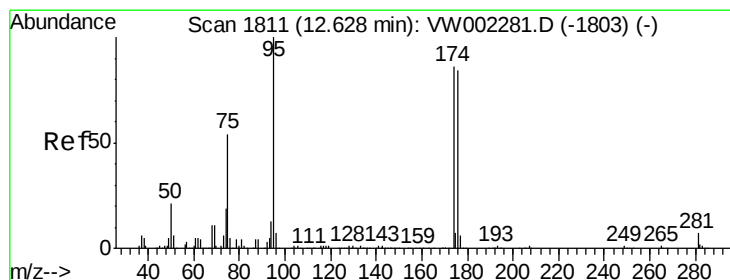
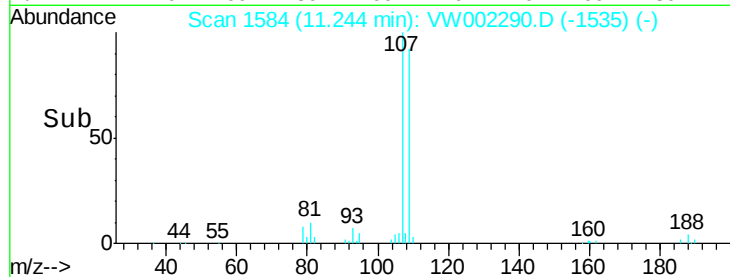
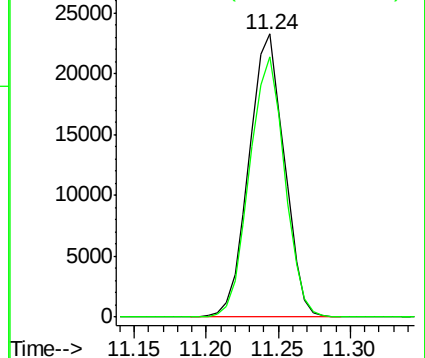
107 100

109 91.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.52 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

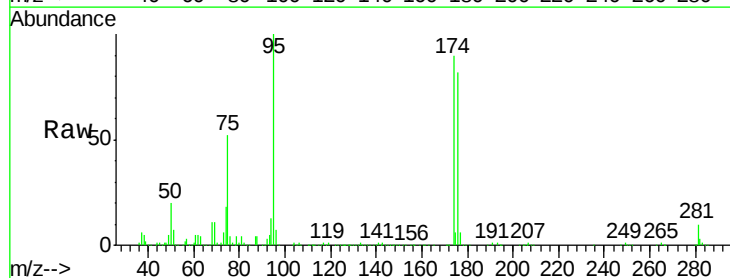
Tgt Ion: 95 Resp: 180039

Ion Ratio Lower Upper

95 100

174 88.5 0.0 176.8

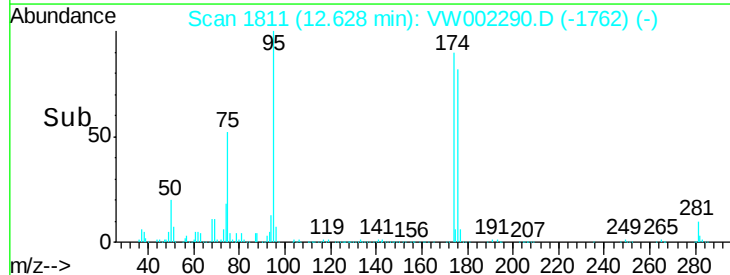
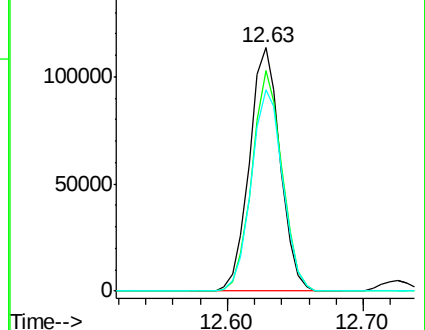
176 84.7 0.0 170.4

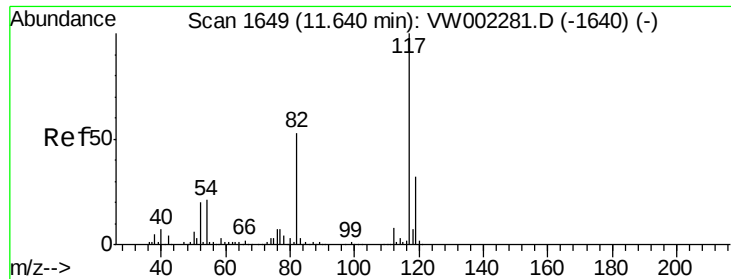


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

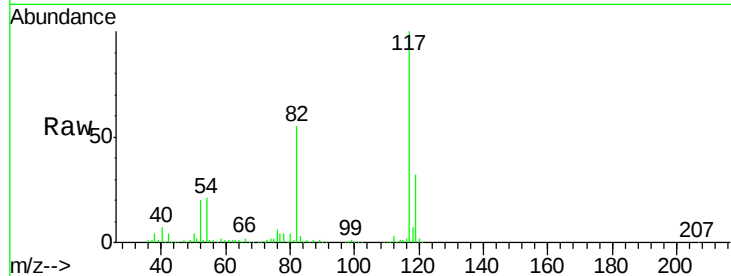
Tot Ion:117 Resp: 358448

Ion Ratio Lower Upper

117 100

82 55.1 42.6 63.8

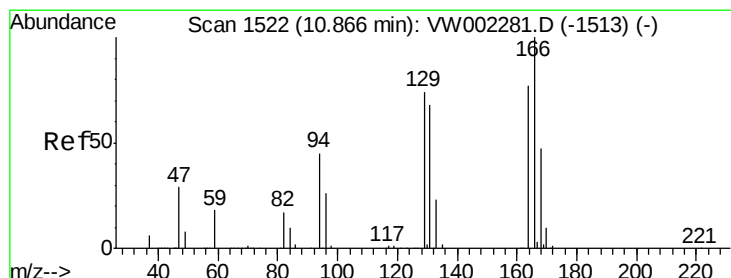
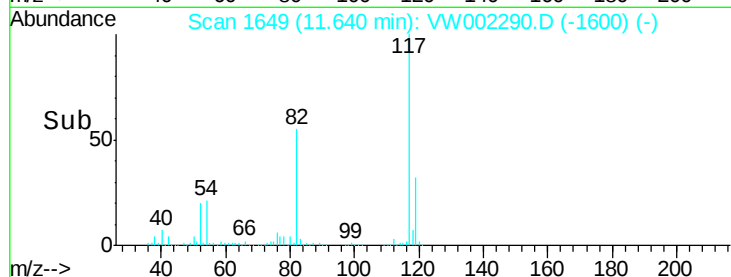
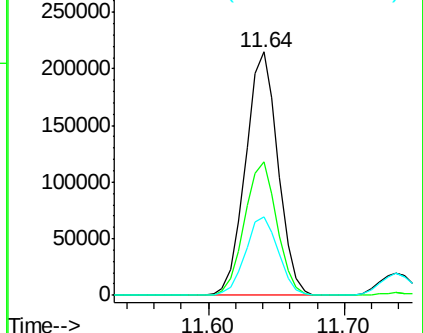
119 32.2 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.15 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Tgt Ion:164 Resp: 50080

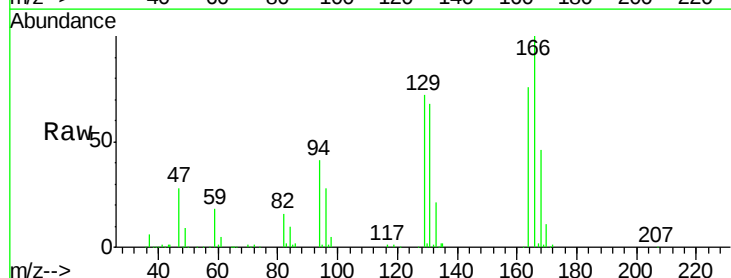
Ion Ratio Lower Upper

164 100

166 131.5 103.3 154.9

129 94.6 76.6 114.8

131 88.7 70.7 106.1

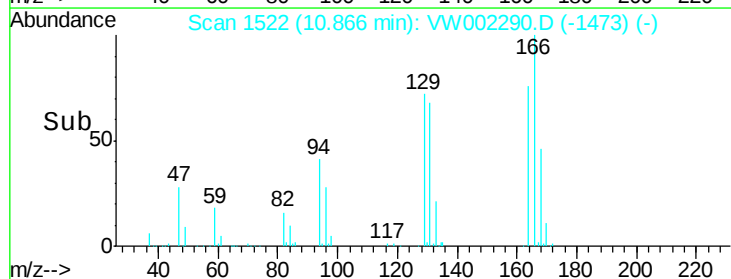
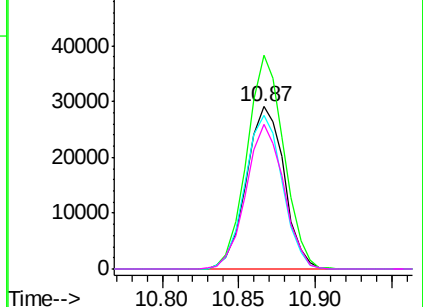


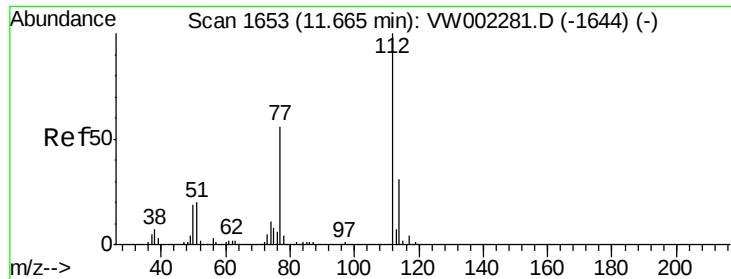
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.38 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

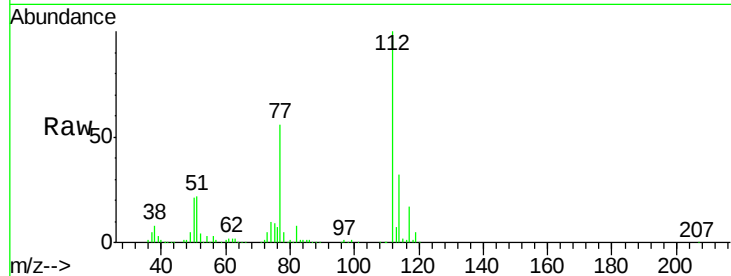
VW0508SBSD01

Tot Ion:112 Resp: 149309

Ion Ratio Lower Upper

112 100

114 32.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

100000

80000

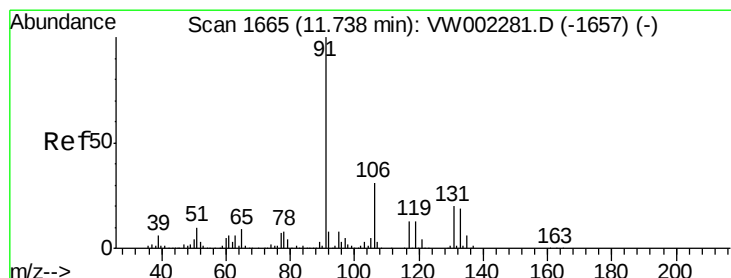
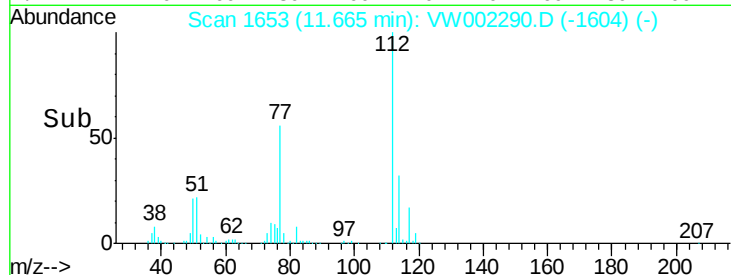
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.69 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

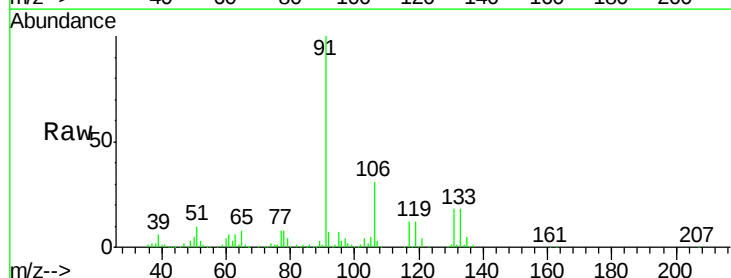
Tgt Ion:131 Resp: 51397

Ion Ratio Lower Upper

131 100

133 97.5 47.8 143.3

119 64.4 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

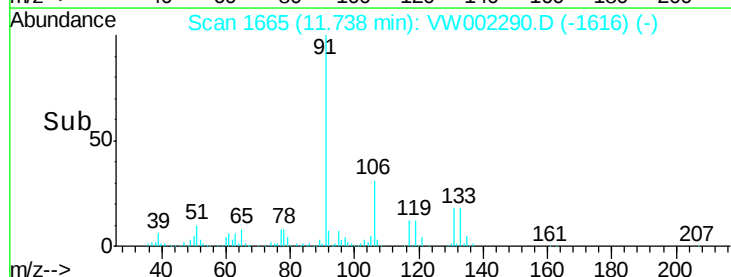
60000

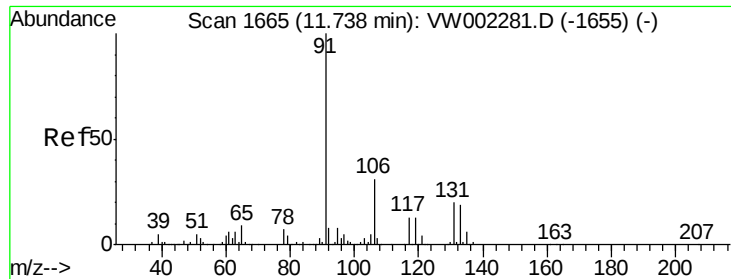
40000

20000

0

Time-->

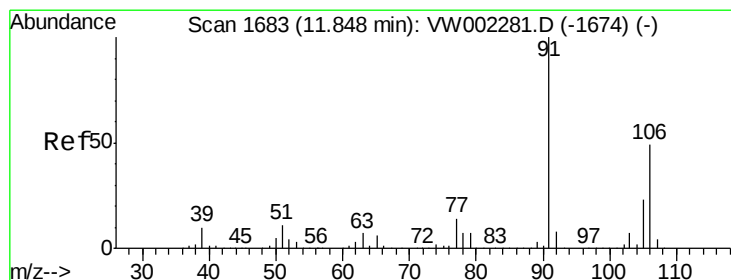
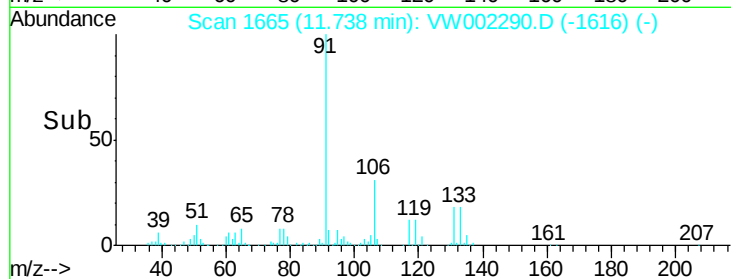
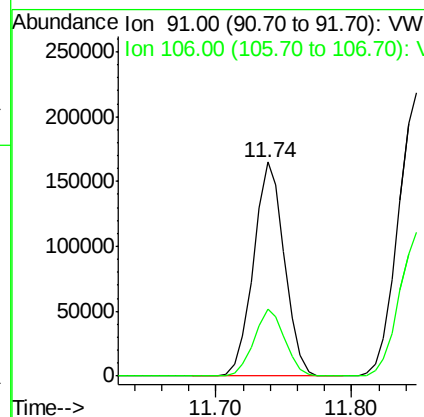
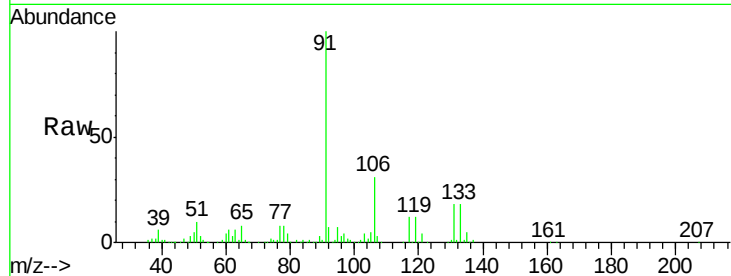




#67
Ethyl Benzene
Concen: 20.83 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

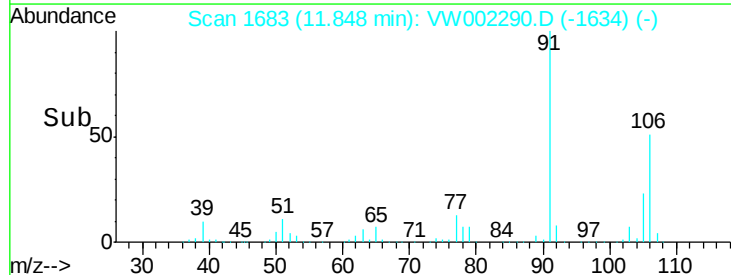
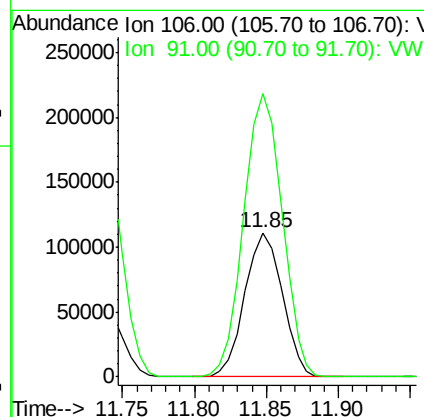
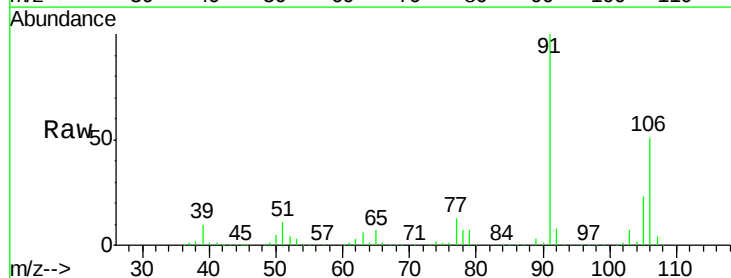
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

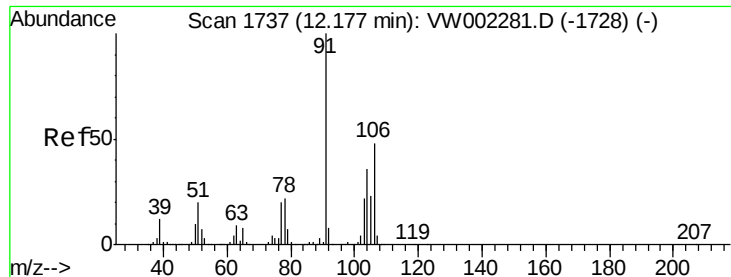
Tot Ion: 91 Resp: 262238
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 41.57 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion: 106 Resp: 201910
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.0

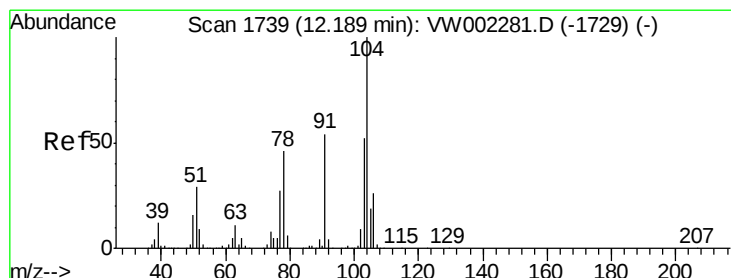
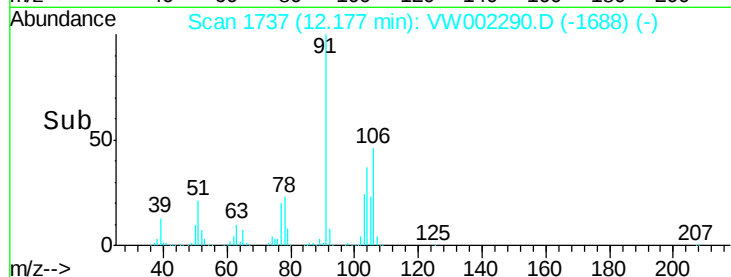
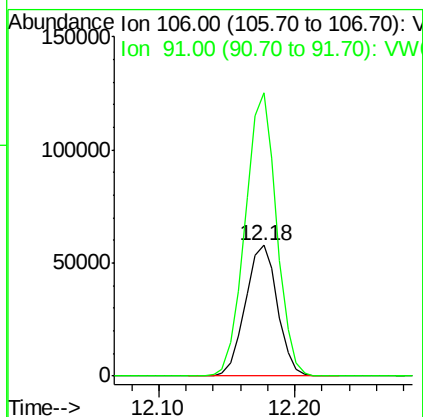
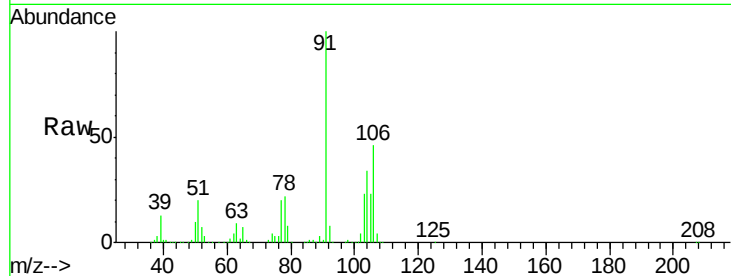




#69
o-Xylene
Concen: 20.65 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

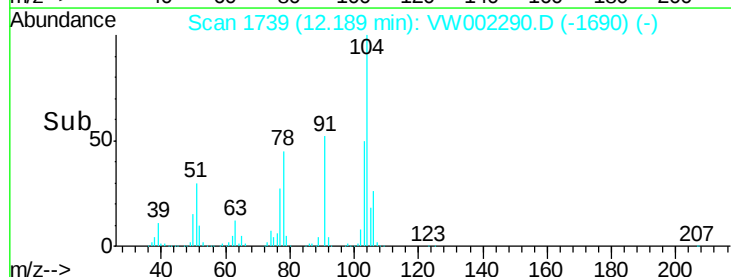
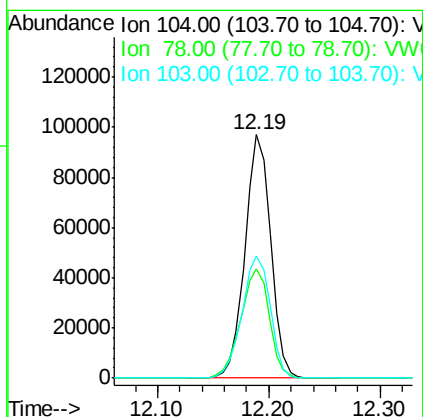
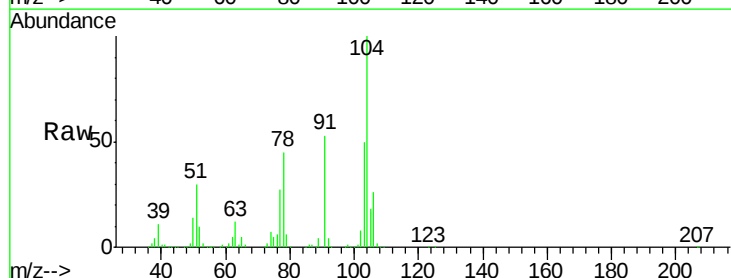
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBSD01

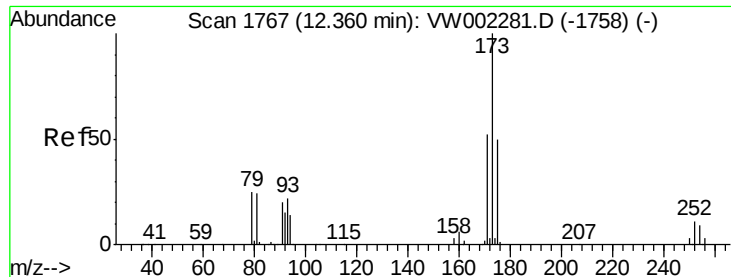
Tot Ion:106 Resp: 95369
Ion Ratio Lower Upper
106 100
91 211.1 107.1 321.1



#70
Styrene
Concen: 20.32 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion:104 Resp: 155886
Ion Ratio Lower Upper
104 100
78 49.6 39.6 59.4
103 55.4 44.4 66.6





#71

Bromoform

Concen: 18.75 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

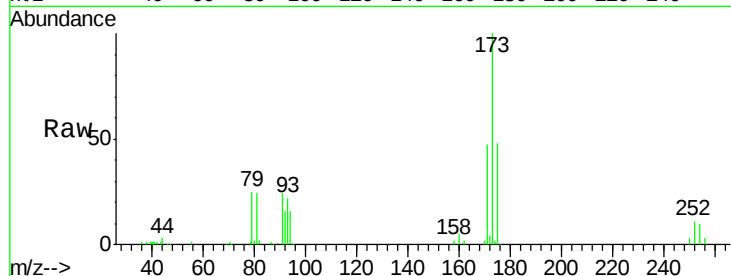
Tot Ion:173 Resp: 28071

Ion Ratio Lower Upper

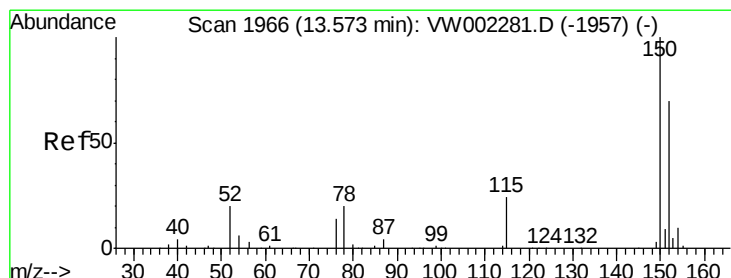
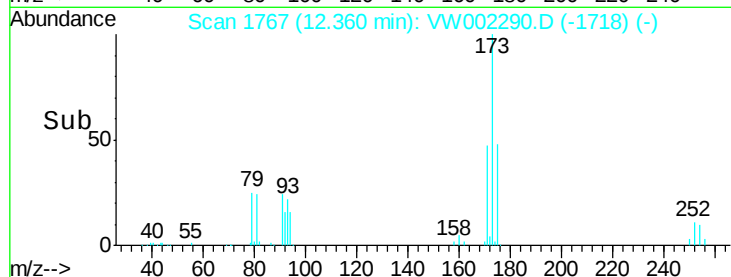
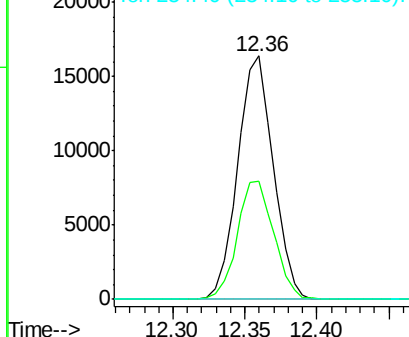
173 100

175 49.6 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

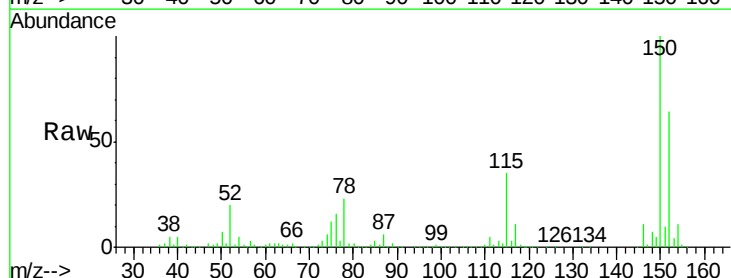
Tgt Ion:152 Resp: 196184

Ion Ratio Lower Upper

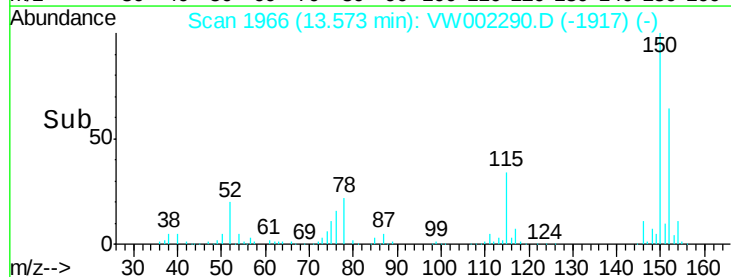
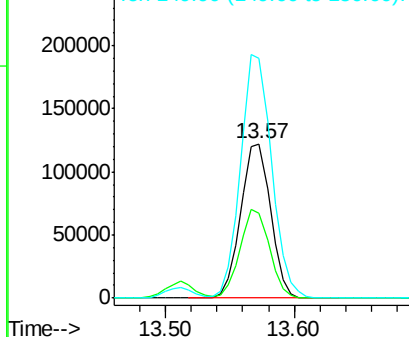
152 100

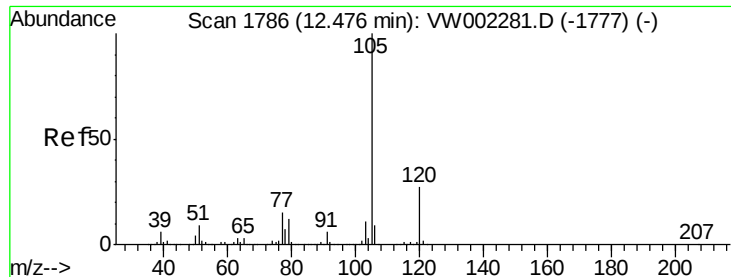
115 56.7 28.5 85.5

150 164.3 0.0 342.6



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: 20.60 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

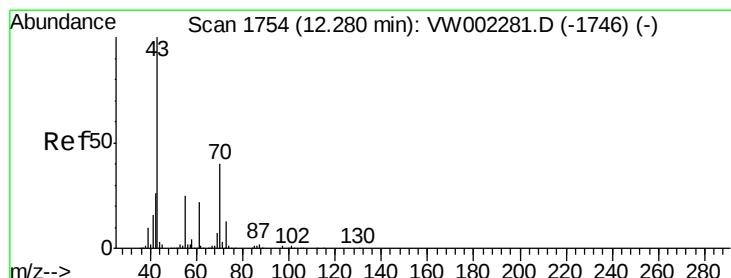
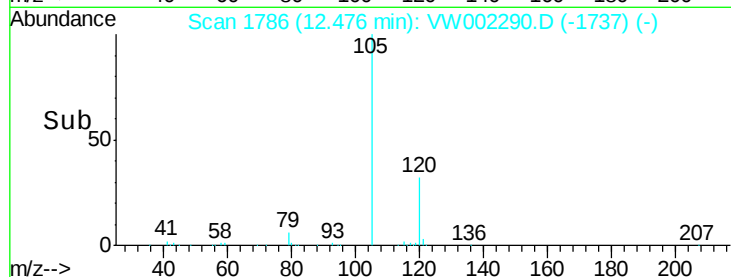
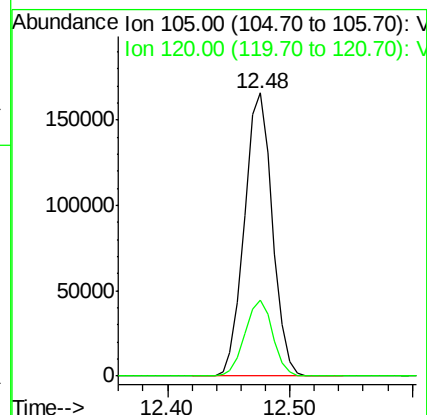
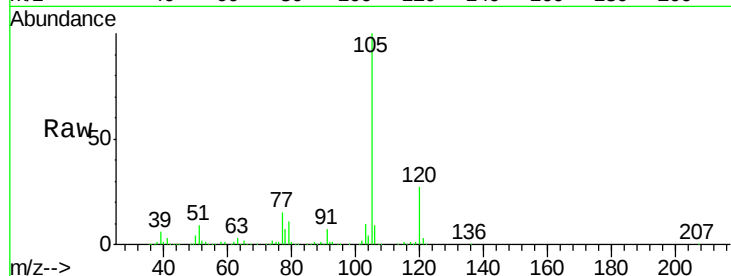
VW0508SBSD01

Tot Ion:105 Resp: 262482

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 18.94 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Tgt Ion: 43 Resp: 60385

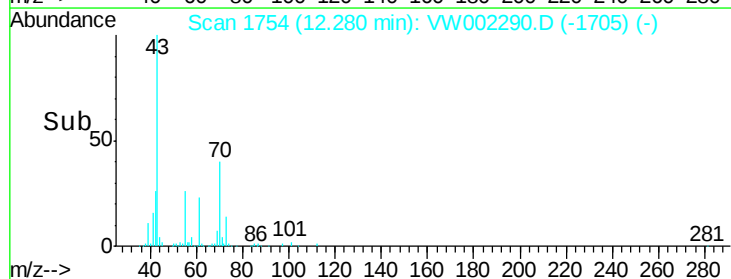
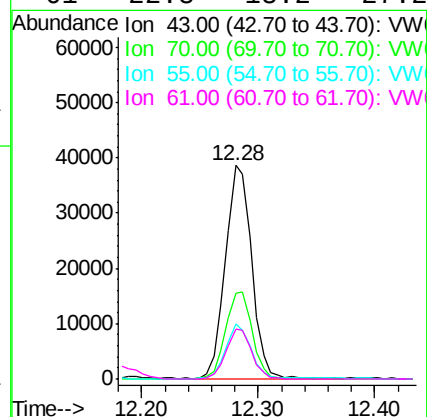
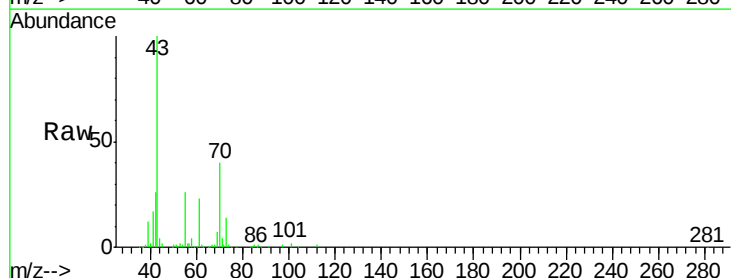
Ion Ratio Lower Upper

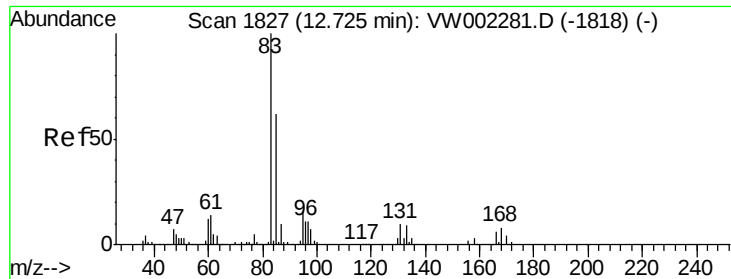
43 100

70 41.7 31.9 47.9

55 24.5 19.9 29.9

61 22.8 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.07 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

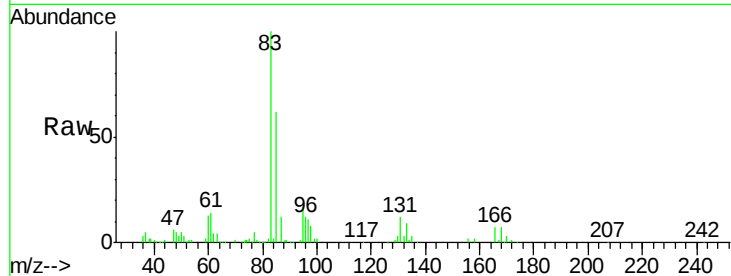
Tot Ion: 83 Resp: 46982

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.5

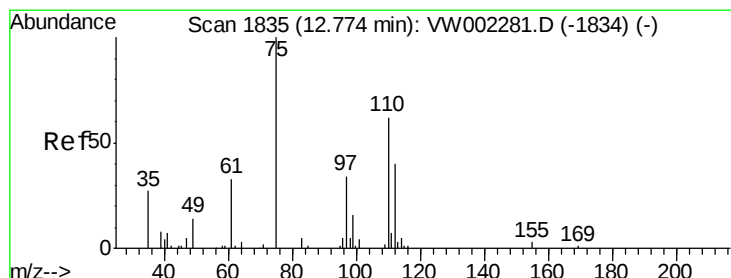
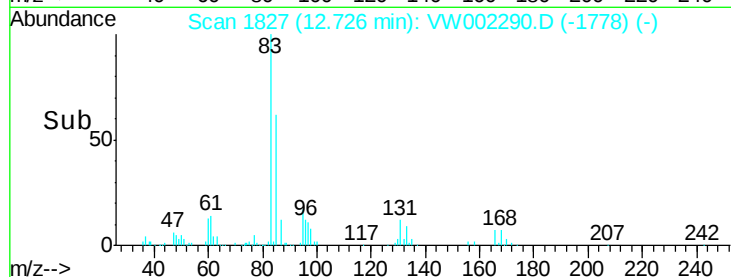
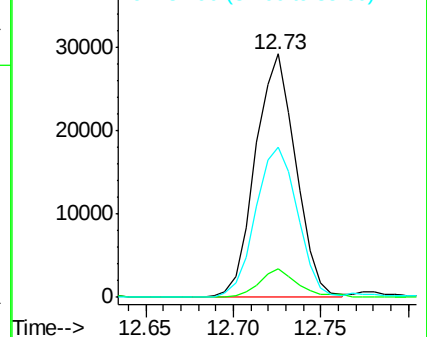
85 63.9 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 20.45 ug/l m

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW002290.D

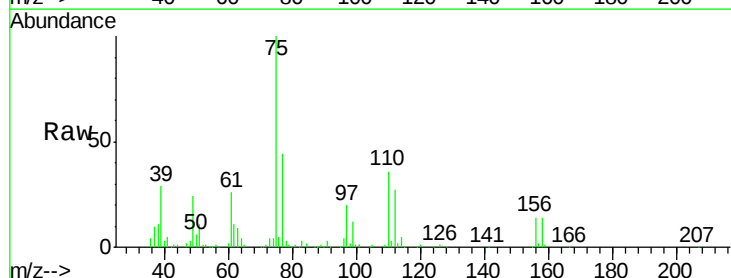
Acq: 08 May 2018 13:31

Tgt Ion: 75 Resp: 35578

Ion Ratio Lower Upper

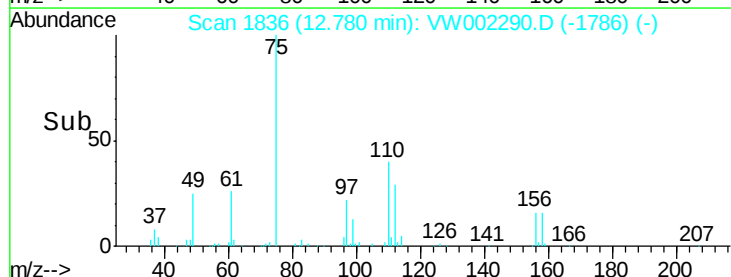
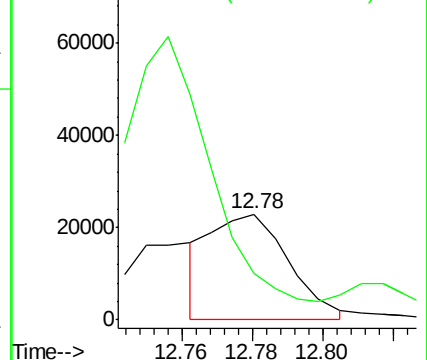
75 100

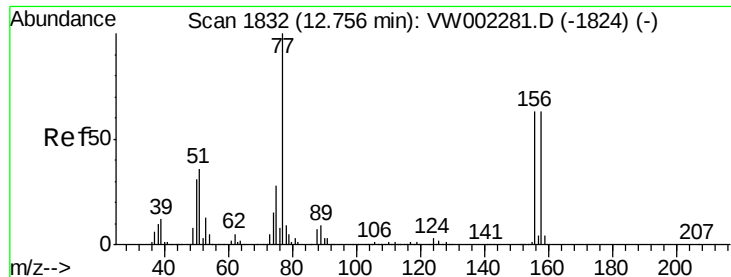
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.18 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

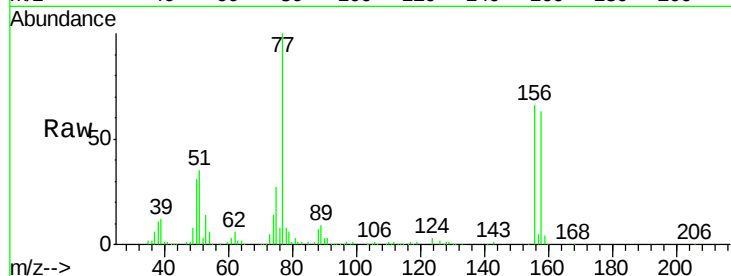
Tot Ion:156 Resp: 64833

Ion Ratio Lower Upper

156 100

77 172.7 87.7 263.1

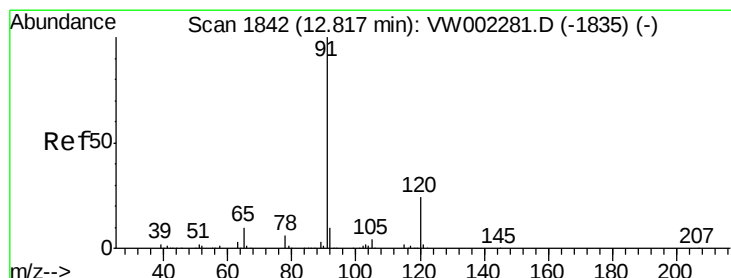
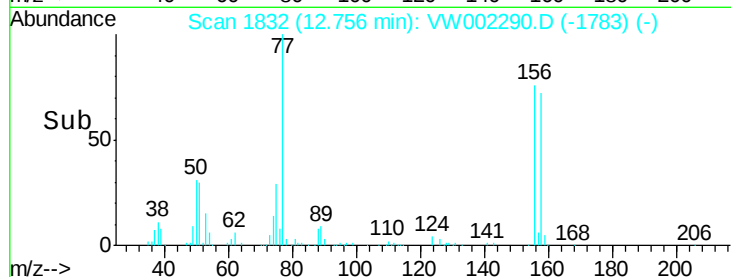
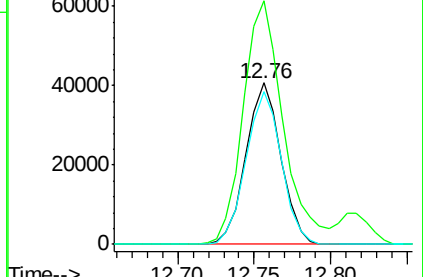
158 95.8 48.6 145.8



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: 20.87 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002290.D

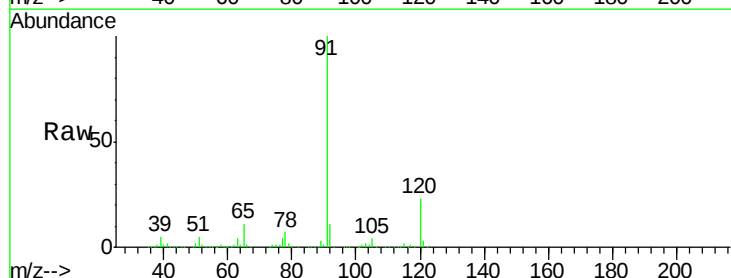
Acq: 08 May 2018 13:31

Tgt Ion: 91 Resp: 315299

Ion Ratio Lower Upper

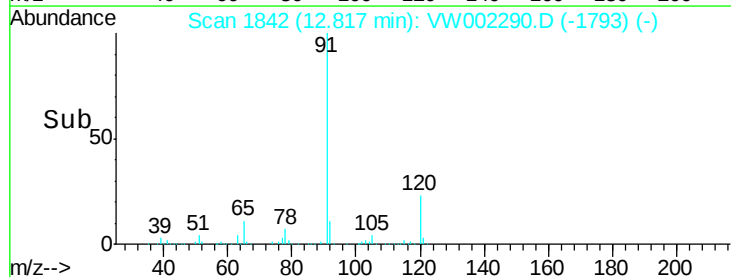
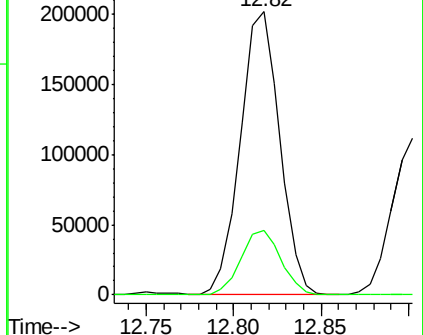
91 100

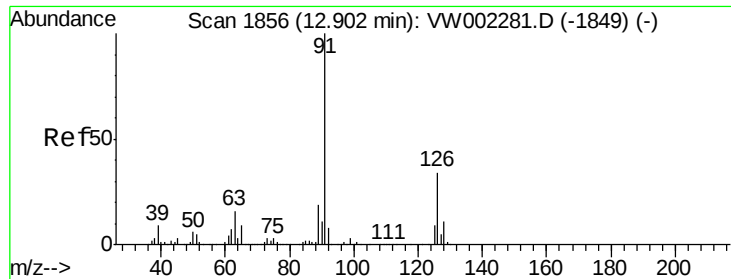
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.55 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

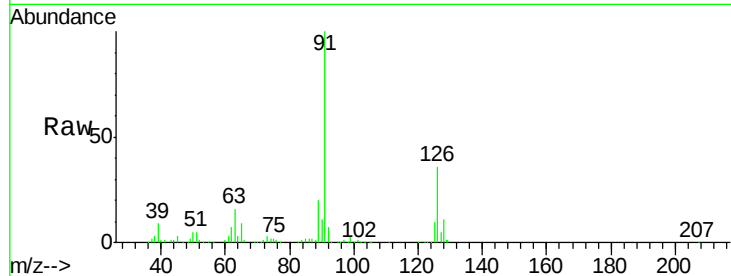
VW0508SBSD01

Tot Ion: 91 Resp: 178769

Ion Ratio Lower Upper

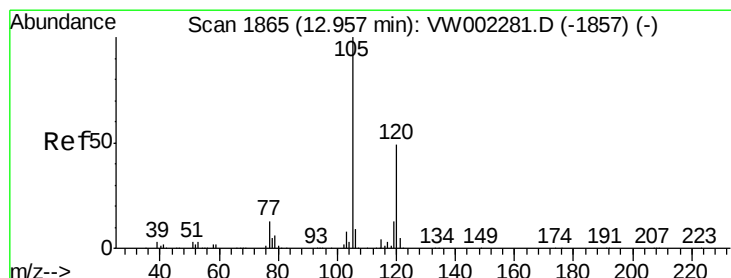
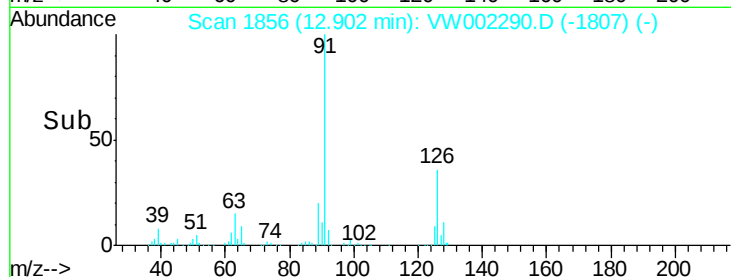
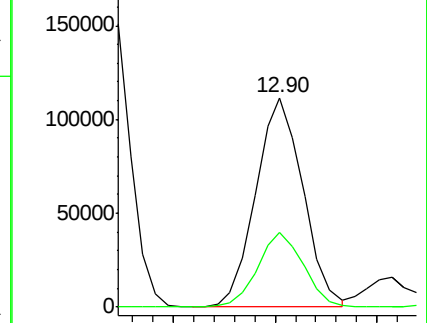
91 100

126 35.0 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.75 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VW002290.D

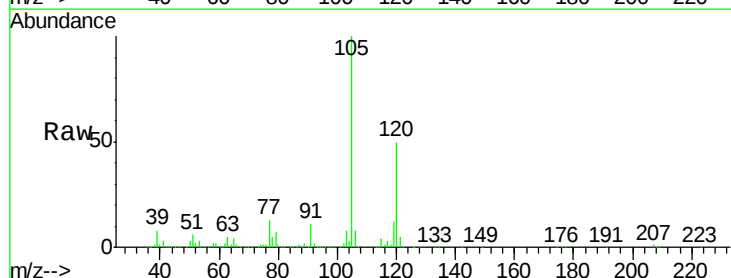
Acq: 08 May 2018 13:31

Tgt Ion:105 Resp: 222443

Ion Ratio Lower Upper

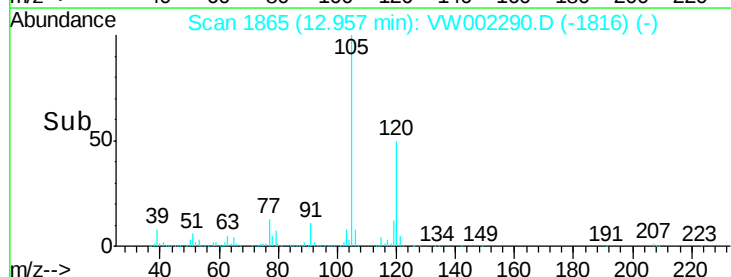
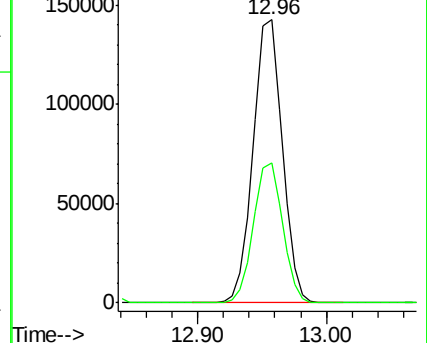
105 100

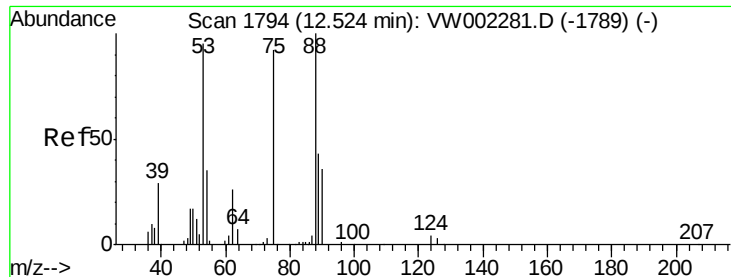
120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.62 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

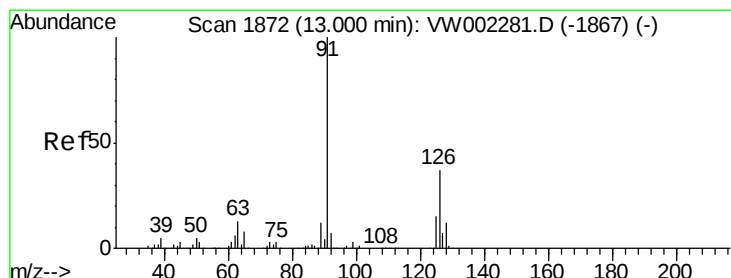
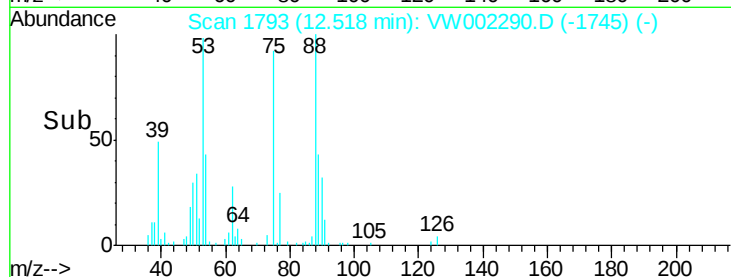
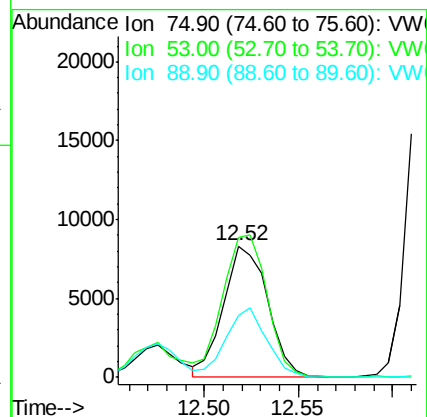
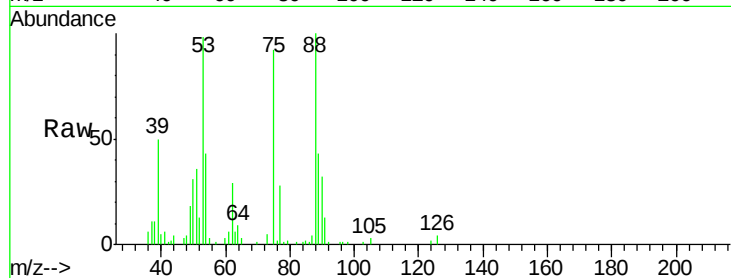
Tot Ion: 75 Resp: 13617

Ion Ratio Lower Upper

75 100

53 109.3 79.9 119.9

89 49.2 37.6 56.4



#82

4-Chlorotoluene

Concen: 20.33 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002290.D

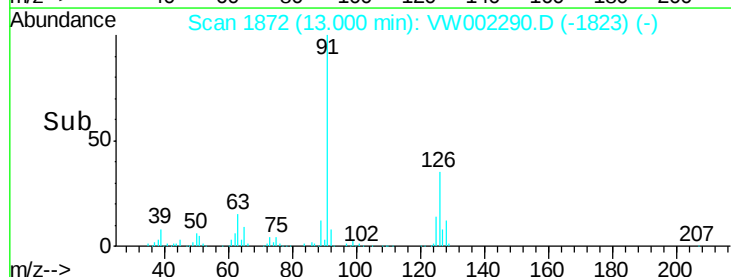
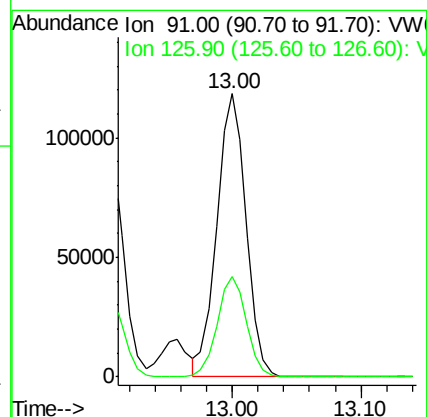
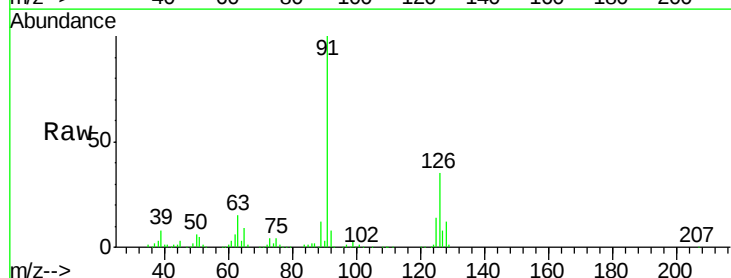
Acq: 08 May 2018 13:31

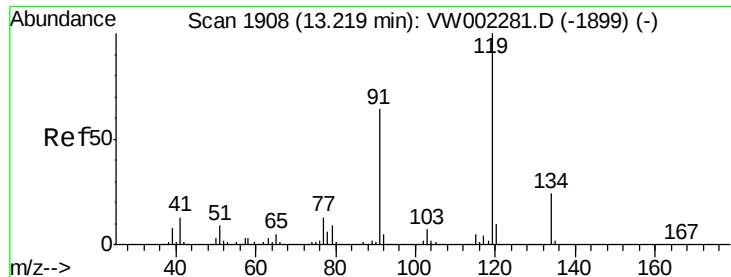
Tgt Ion: 91 Resp: 188055

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3

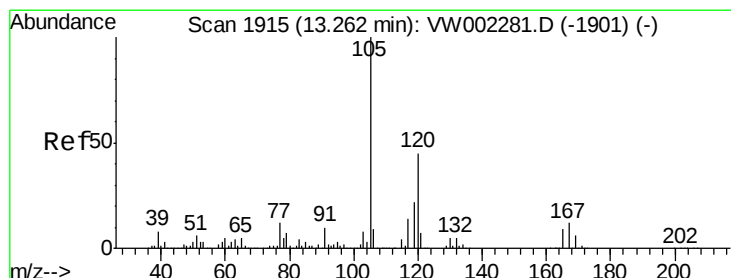
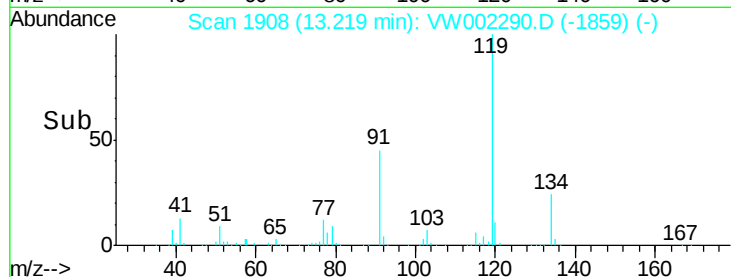
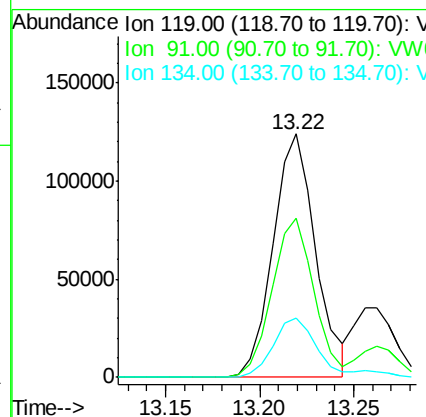
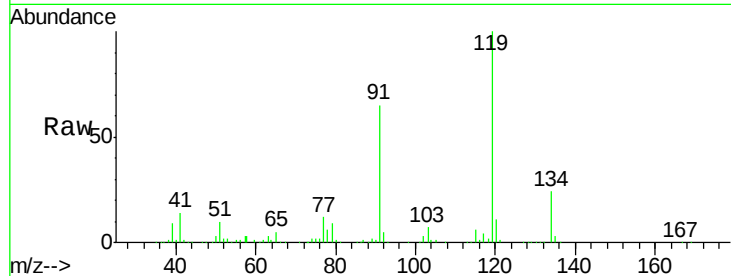




#83
tert-Butylbenzene
Concen: 21.03 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

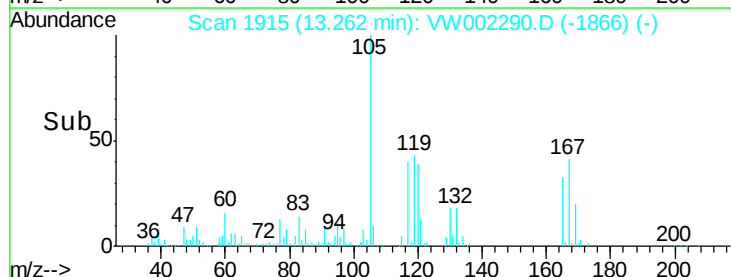
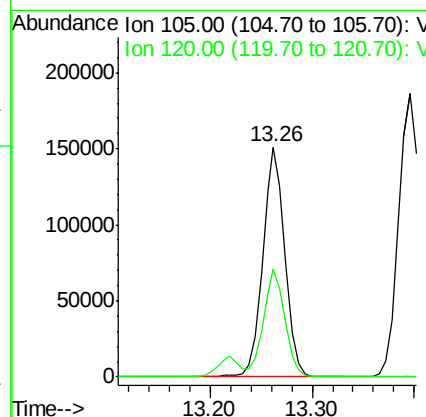
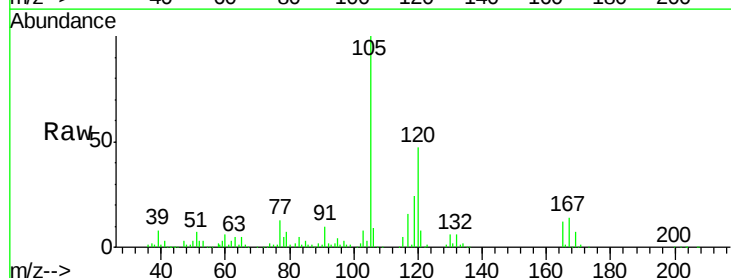
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

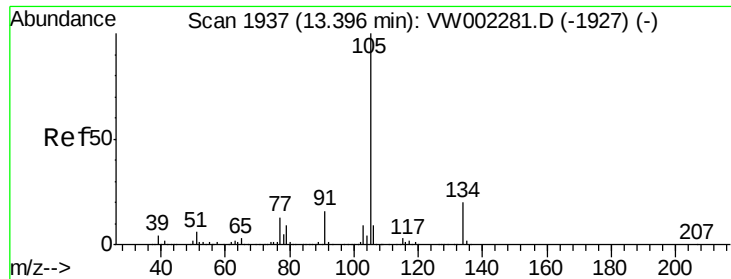
Tot Ion:119 Resp: 194050
Ion Ratio Lower Upper
119 100
91 64.3 31.6 94.8
134 24.8 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 20.40 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW002290.D
Acq: 08 May 2018 13:31

Tgt Ion:105 Resp: 226755
Ion Ratio Lower Upper
105 100
120 45.4 22.5 67.5

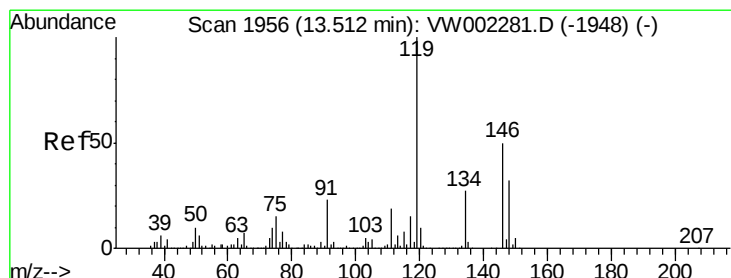
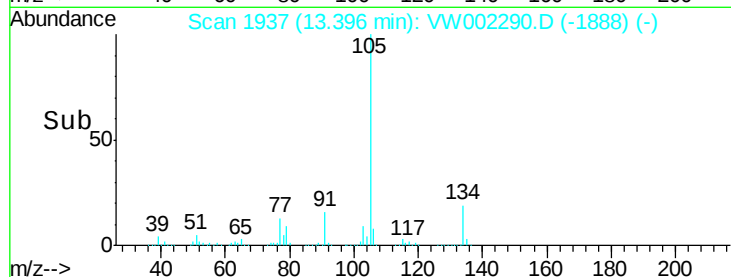
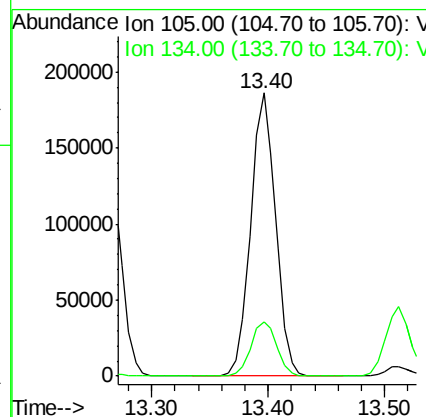
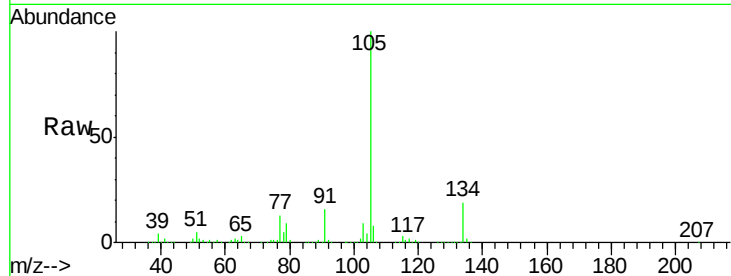




#85
 sec-Butylbenzene
 Concen: 21.16 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

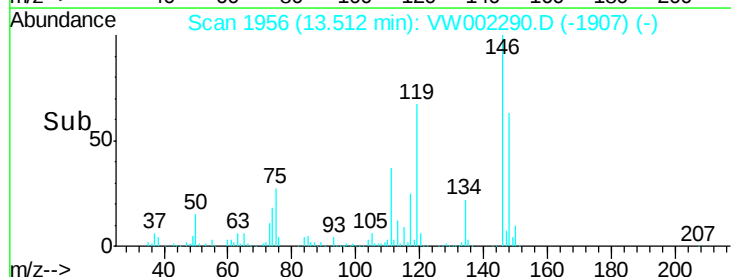
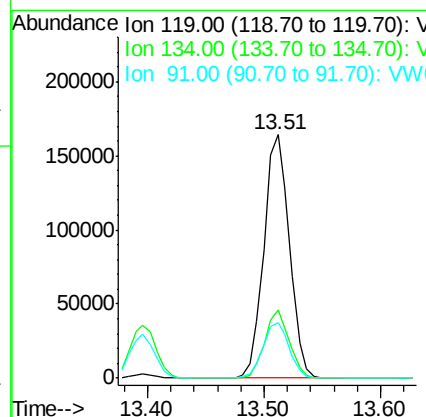
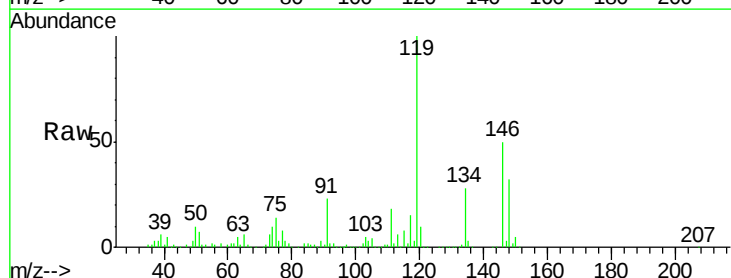
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBSD01

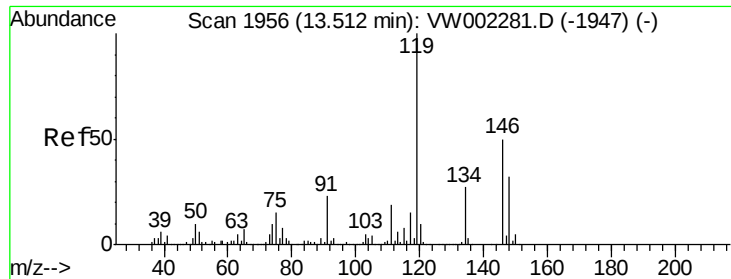
Tot Ion:105 Resp: 278772
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.16 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion:119 Resp: 249241
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 23.4 11.8 35.3

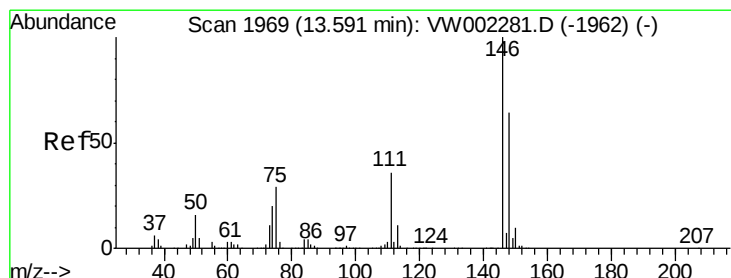
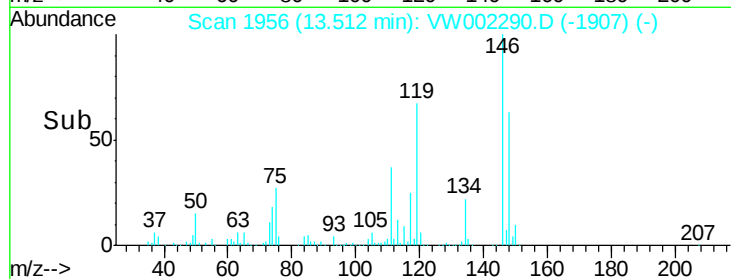
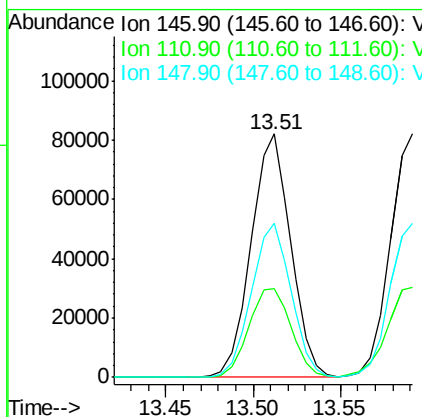
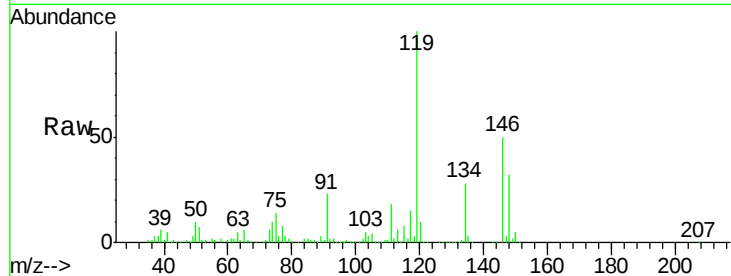




#87
 1,3-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

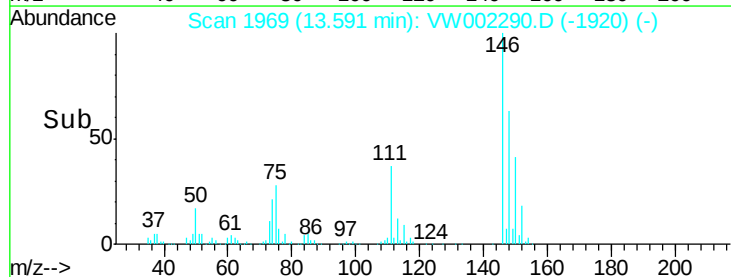
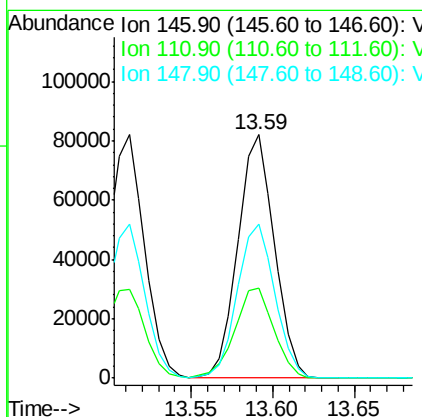
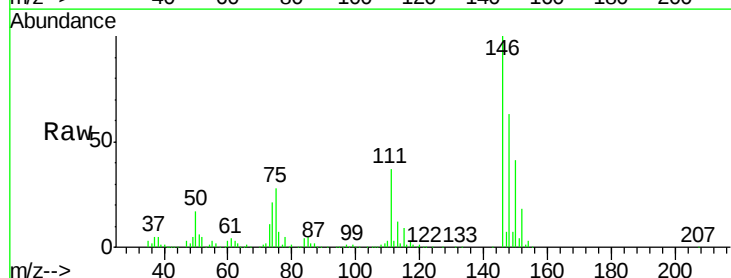
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

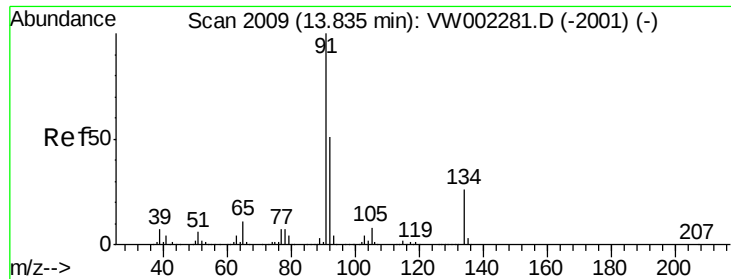
Tot Ion:146 Resp: 128742
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.3 57.8
 148 63.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 20.26 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion:146 Resp: 128620
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.0 57.0
 148 64.9 32.3 96.9





#89

n-Butylbenzene

Concen: 21.55 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

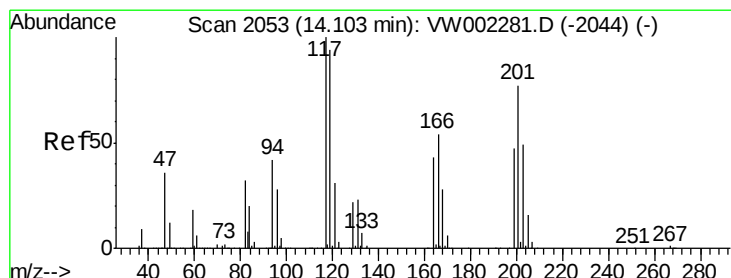
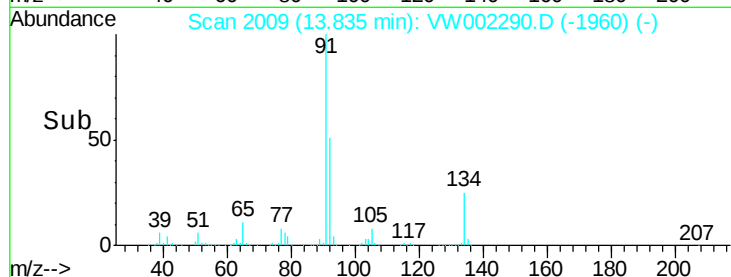
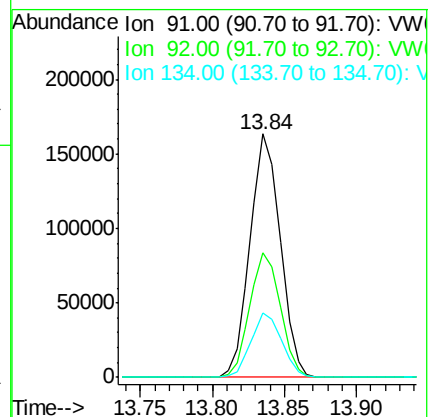
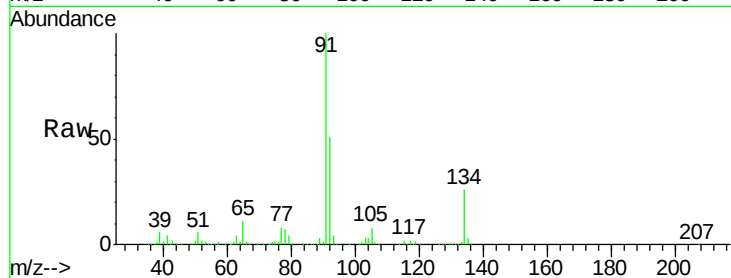
Tot Ion: 91 Resp: 237566

Ion Ratio Lower Upper

91 100

92 51.9 25.9 77.8

134 26.8 13.1 39.1



#90

Hexachloroethane

Concen: 20.73 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW002290.D

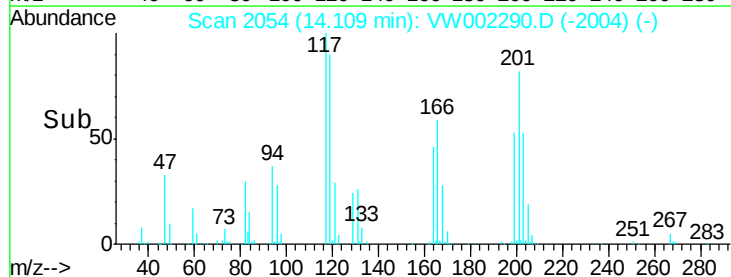
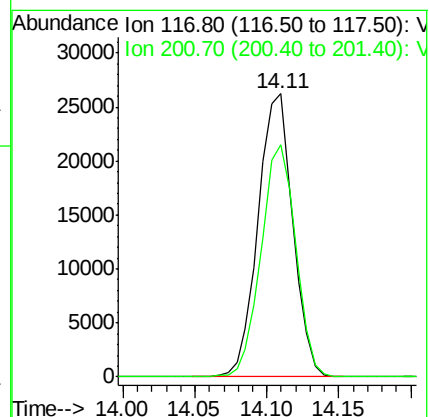
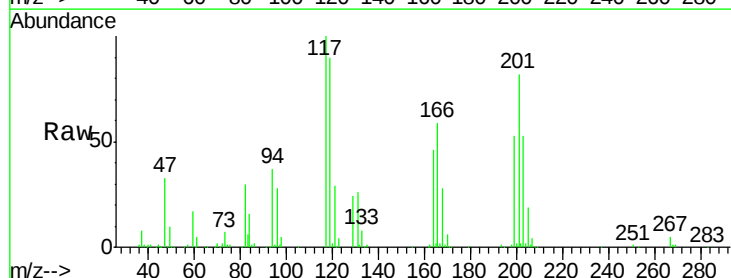
Acq: 08 May 2018 13:31

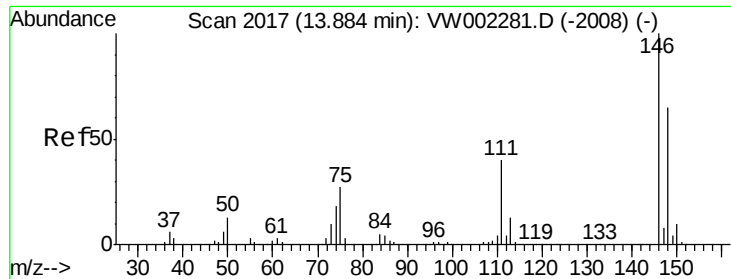
Tgt Ion: 117 Resp: 43673

Ion Ratio Lower Upper

117 100

201 81.8 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 20.04 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

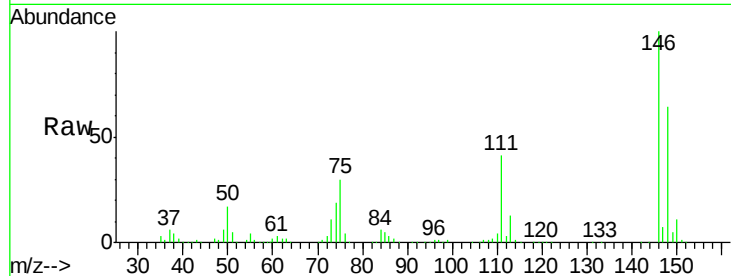
Tot Ion:146 Resp: 115629

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

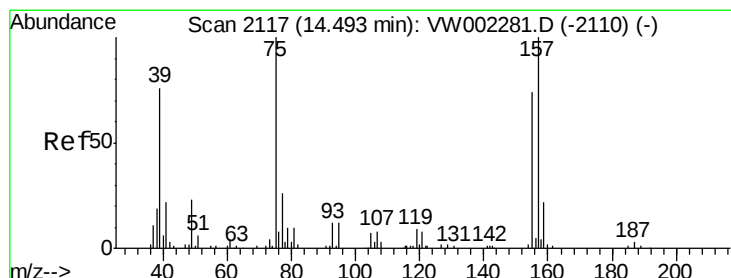
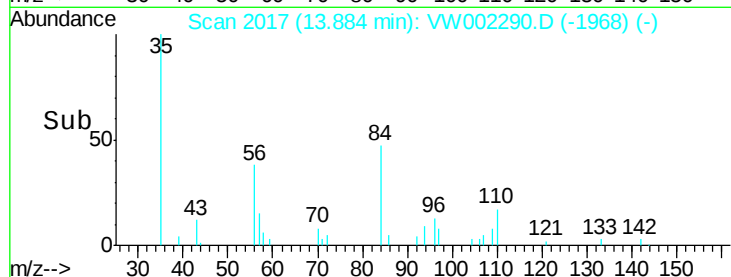
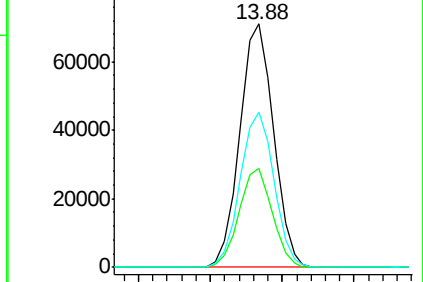
148 63.8 32.5 97.5



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: 17.97 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

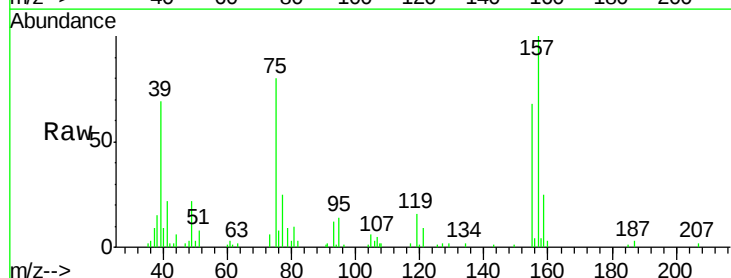
Tgt Ion: 75 Resp: 7654

Ion Ratio Lower Upper

75 100

155 87.8 43.3 129.8

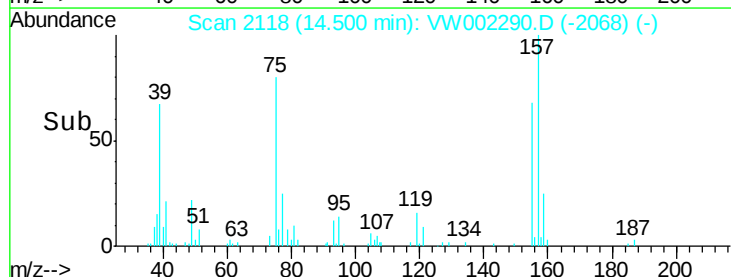
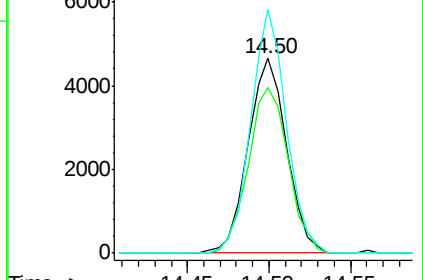
157 115.6 55.8 167.4

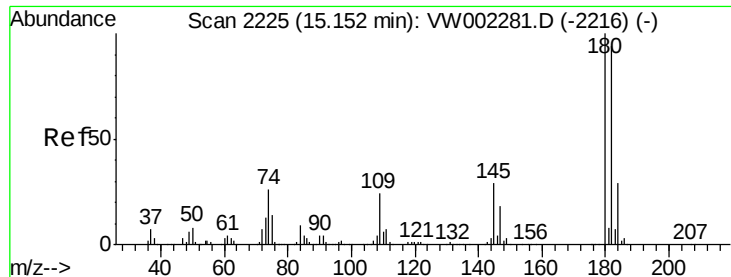


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

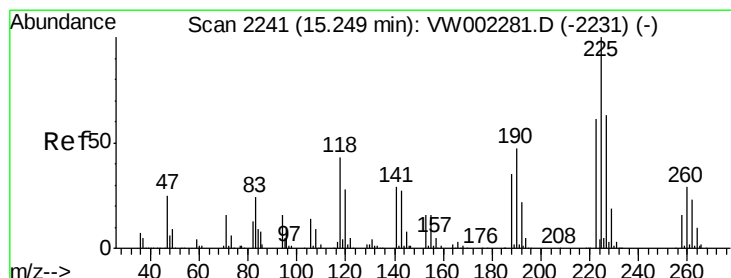
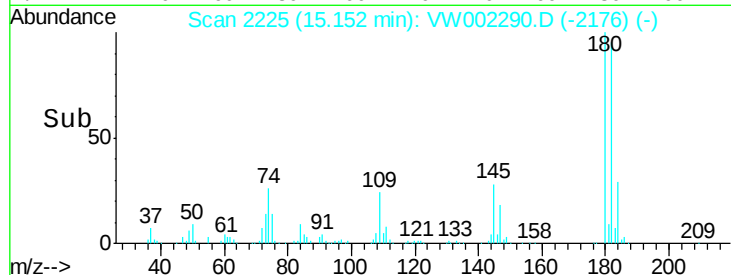
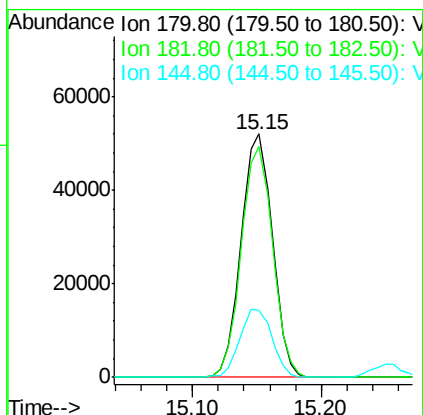
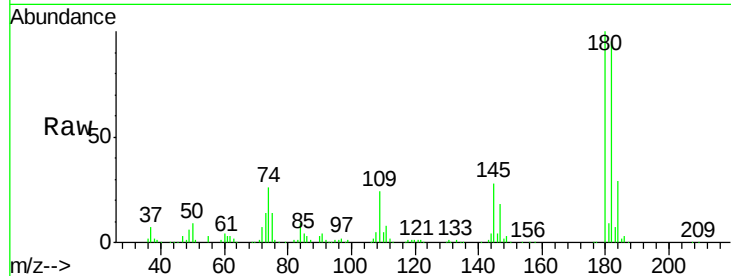




#93
 1,2,4-Trichlorobenzene
 Concen: 21.23 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

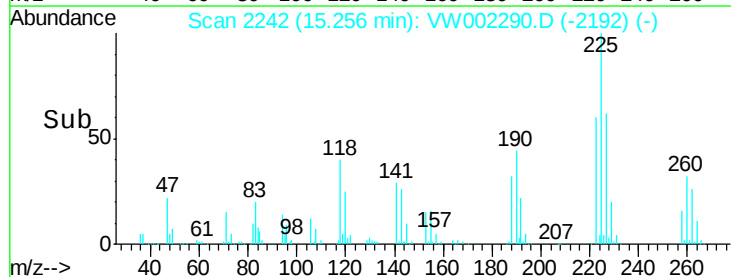
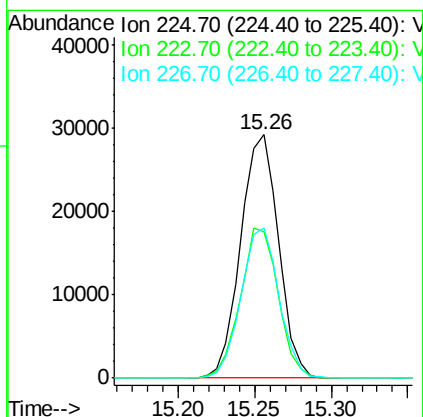
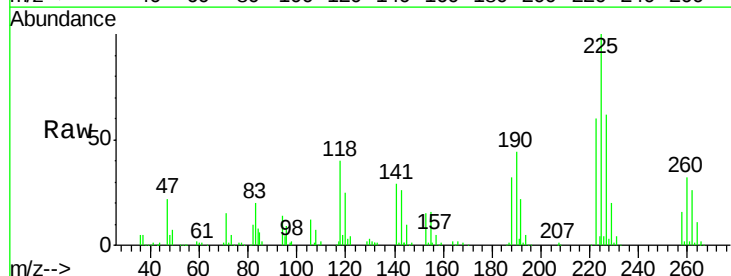
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBSD01

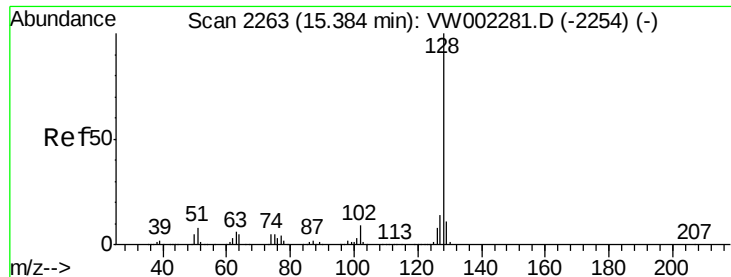
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	29.0	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 21.88 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW002290.D
 Acq: 08 May 2018 13:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.7
227	61.9	32.0	96.0





#95

Naphthalene

Concen: 20.28 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBSD01

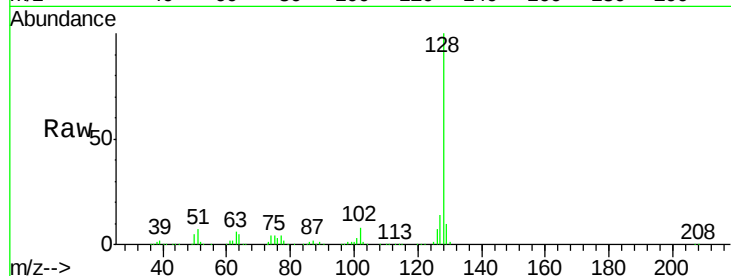
Tot Ion:128 Resp: 153776

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

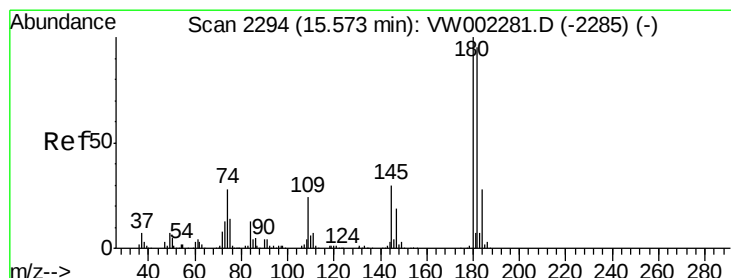
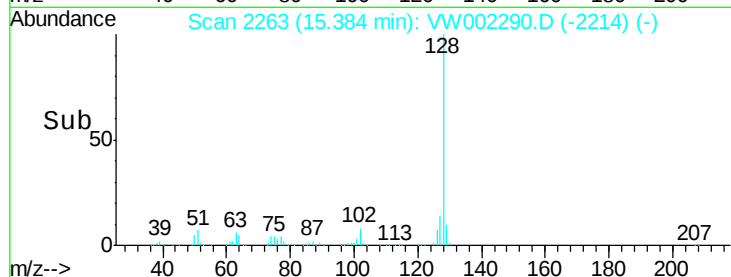
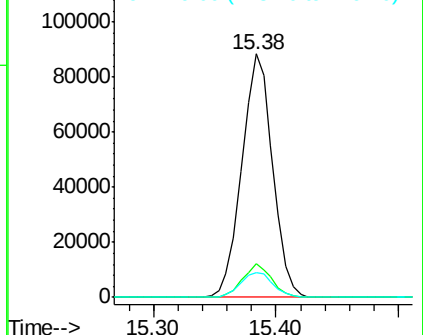
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.09 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW002290.D

Acq: 08 May 2018 13:31

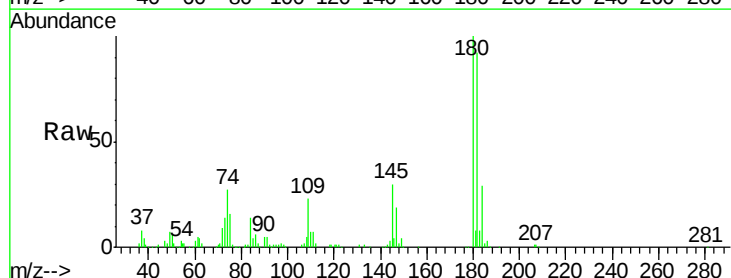
Tgt Ion:180 Resp: 78013

Ion Ratio Lower Upper

180 100

182 92.8 48.0 144.0

145 30.5 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

