

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005692.D
 Acq On : 27 Sep 2018 11:51
 Operator : VA/AP
 Sample : VW0927SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Quant Time: Sep 28 01:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	344748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129865	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.89	113	114315	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.33	98	465073	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	171705	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29492	18.826	ug/l	96
3) Chloromethane	2.21	50	32166	17.021	ug/l	100
4) Vinyl Chloride	2.37	62	49921	22.100	ug/l	95
5) Bromomethane	2.79	94	30433	19.936	ug/l	96
6) Chloroethane	2.93	64	28527	19.681	ug/l	97
7) Trichlorofluoromethane	3.26	101	34684	19.632	ug/l	95
8) Diethyl Ether	3.68	74	22146	19.189	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47674	21.317	ug/l	99
10) Methyl Iodide	4.27	142	70147	20.395	ug/l	98
11) Tert butyl alcohol	5.23	59	12656	86.959	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	45176	21.100	ug/l	98
13) Acrolein	3.90	56	9816	90.063	ug/l	97
14) Allyl chloride	4.67	41	74197	19.857	ug/l	98
15) Acrylonitrile	5.38	53	43619	85.126	ug/l	99
16) Acetone	4.15	43	49081	107.344	ug/l	98
17) Carbon Disulfide	4.37	76	135294	20.224	ug/l	99
18) Methyl Acetate	4.68	43	19896	15.157	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	60638	18.349	ug/l	98
20) Methylene Chloride	4.91	84	56714	22.044	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46842	19.975	ug/l	95
22) Diisopropyl ether	6.32	45	141619	19.524	ug/l	99
23) Vinyl Acetate	6.26	43	377650	91.088	ug/l	99
24) 1,1-Dichloroethane	6.22	63	89040	19.868	ug/l	98
25) 2-Butanone	7.18	43	57587	85.612	ug/l	97
26) 2,2-Dichloropropane	7.17	77	64940	20.756	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	50892	19.676	ug/l	98
28) Bromochloromethane	7.51	49	33064	18.625	ug/l	100
29) Tetrahydrofuran	7.54	42	34571	82.267	ug/l	99
30) Chloroform	7.68	83	91582	19.794	ug/l	100
31) Cyclohexane	7.96	56	85097	19.819	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	82843	20.268	ug/l	98
36) 1,1-Dichloropropene	8.09	75	73053	21.050	ug/l	100
37) Ethyl Acetate	7.26	43	25403	17.394	ug/l	99
38) Carbon Tetrachloride	8.07	117	78462	21.098	ug/l	97

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Quant Time: Sep 28 01:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87844	21.454	ug/l	97
40) Benzene	8.33	78	204214	20.768	ug/l	100
41) Methacrylonitrile	7.49	41	15401	18.532	ug/l	98
42) 1,2-Dichloroethane	8.40	62	61189	19.436	ug/l	97
43) Isopropyl Acetate	8.43	43	50312	17.522	ug/l	99
44) Trichloroethene	9.09	130	52777	20.969	ug/l	99
45) 1,2-Dichloropropane	9.37	63	48045	19.861	ug/l	98
46) Dibromomethane	9.46	93	22721	18.798	ug/l	95
47) Bromodichloromethane	9.65	83	63863	19.669	ug/l	98
48) Methyl methacrylate	9.44	41	23512	17.240	ug/l	96
49) 1,4-Dioxane	9.48	88	6686	347.922	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	124663	86.200	ug/l	100
52) Toluene	10.39	92	130241	21.228	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	64421	19.791	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	73609	20.183	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33055	19.266	ug/l	94
56) Ethyl methacrylate	10.65	69	39388	18.597	ug/l	99
57) 1,3-Dichloropropane	10.94	76	57898	19.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	89579	93.302	ug/l	97
59) 2-Hexanone	10.98	43	89303	90.899	ug/l	99
60) Dibromochloromethane	11.13	129	39867	19.231	ug/l	95
61) 1,2-Dibromoethane	11.24	107	30770	19.235	ug/l	98
64) Tetrachloroethene	10.87	164	45942	20.417	ug/l	97
65) Chlorobenzene	11.66	112	141186	20.977	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	49129	20.282	ug/l	99
67) Ethyl Benzene	11.74	91	249918	20.920	ug/l	99
68) m/p-Xylenes	11.85	106	192049	42.551	ug/l	100
69) o-Xylene	12.17	106	88242	20.876	ug/l	99
70) Styrene	12.19	104	146537	20.600	ug/l	100
71) Bromoform	12.35	173	24558	19.099	ug/l #	100
73) Isopropylbenzene	12.47	105	257371	21.482	ug/l	100
74) N-amyl acetate	12.28	43	47277	17.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	36412	18.297	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52506	35.653	ug/l #	100
77) Bromobenzene	12.75	156	58279	20.754	ug/l	96
78) n-propylbenzene	12.81	91	313030	21.581	ug/l	99
79) 2-Chlorotoluene	12.90	91	176199	20.996	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	224180	21.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11613	17.761	ug/l	97
82) 4-Chlorotoluene	12.99	91	189228	21.342	ug/l	99
83) tert-Butylbenzene	13.21	119	189556	21.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	230368	21.913	ug/l	99
85) sec-Butylbenzene	13.39	105	278199	21.917	ug/l	100
86) p-Isopropyltoluene	13.51	119	250840	22.047	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	119934	20.888	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	119167	20.868	ug/l	100
89) n-Butylbenzene	13.83	91	235407	21.936	ug/l	99
90) Hexachloroethane	14.10	117	42832	20.771	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	103833	20.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6598	17.402	ug/l	100

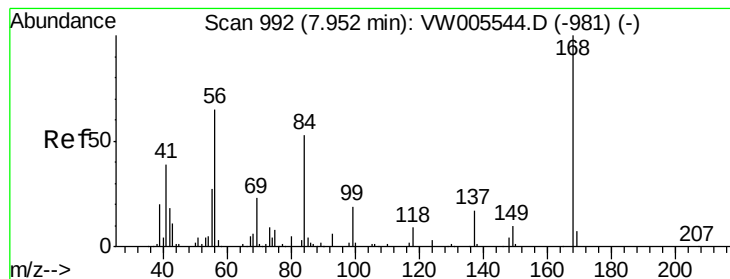
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	75253	20.812	ug/l	99
94) Hexachlorobutadiene	15.25	225	51725	22.081	ug/l	99
95) Naphthalene	15.38	128	115276	18.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	65746	20.633	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

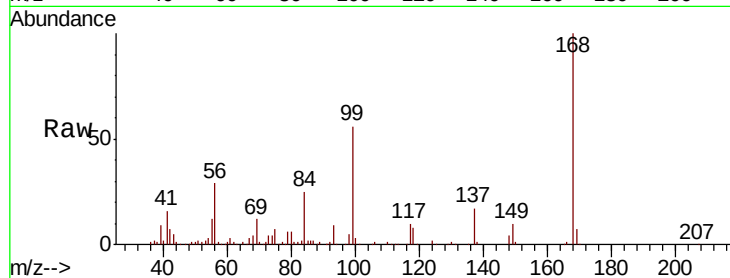
VW0927SBS01

Tgt Ion:168 Resp: 235089

Ion Ratio Lower Upper

168 100

99 56.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

20000

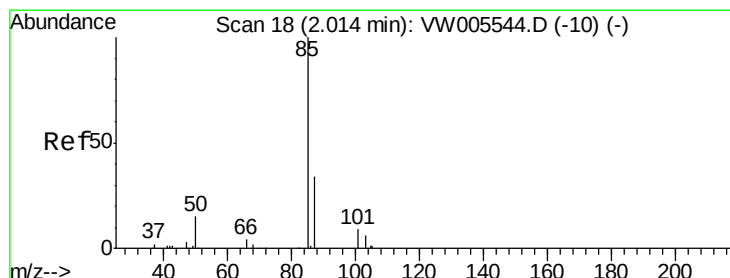
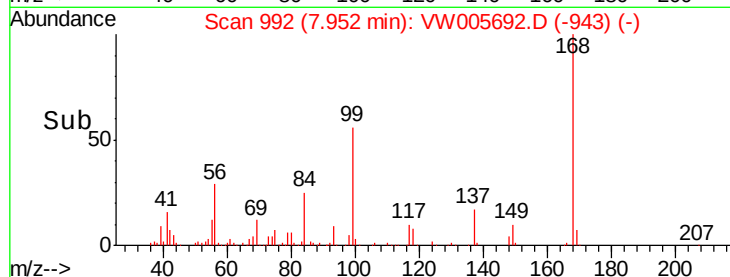
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.826 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005692.D

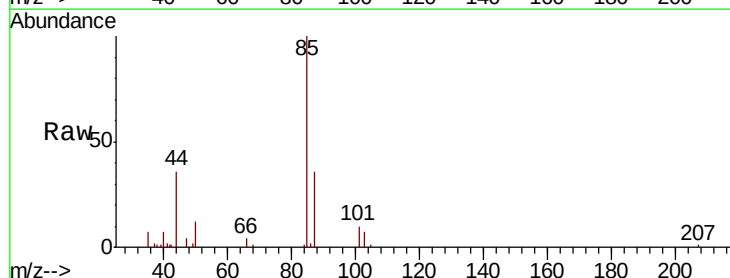
Acq: 27 Sep 2018 11:51

Tgt Ion: 85 Resp: 29492

Ion Ratio Lower Upper

85 100

87 36.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

0

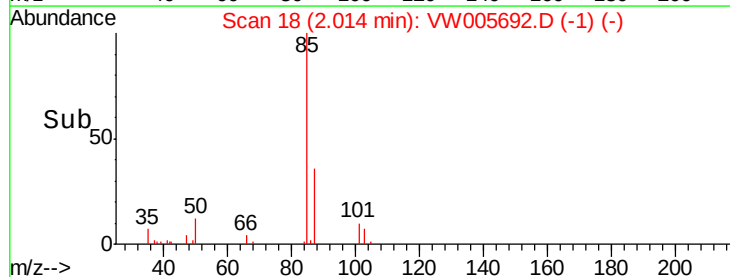
1.90

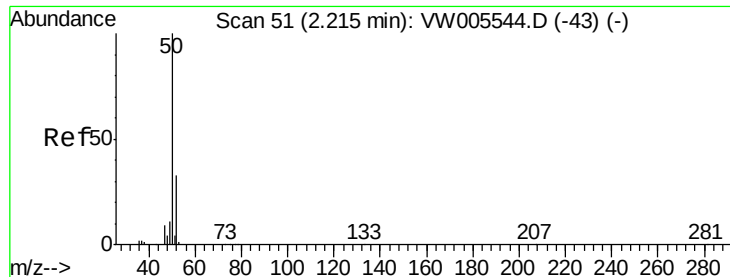
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 17.021 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

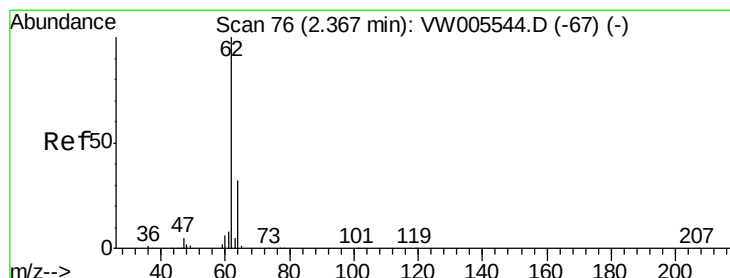
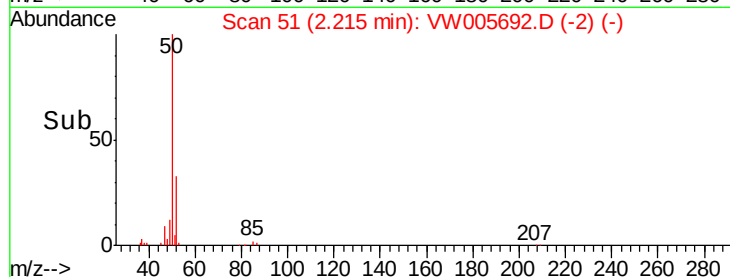
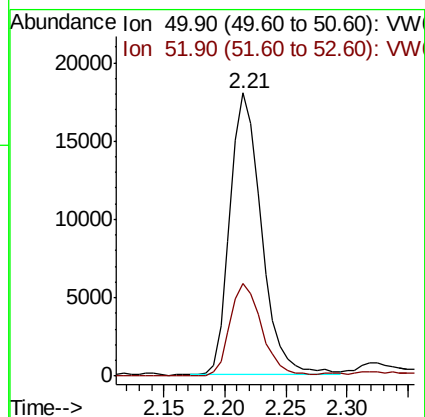
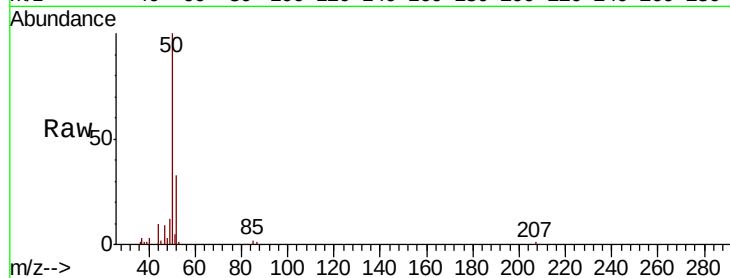
VW0927SBS01

Tgt Ion: 50 Resp: 32166

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 22.100 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005692.D

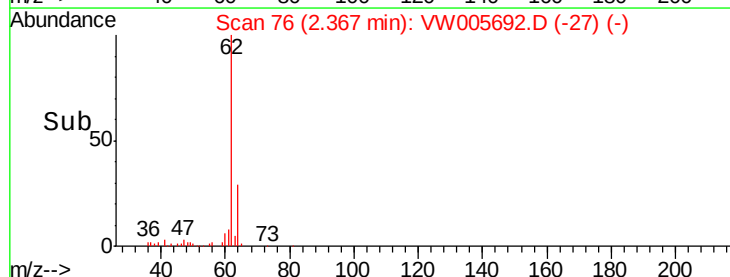
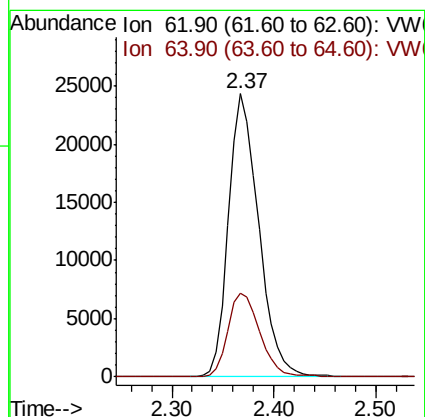
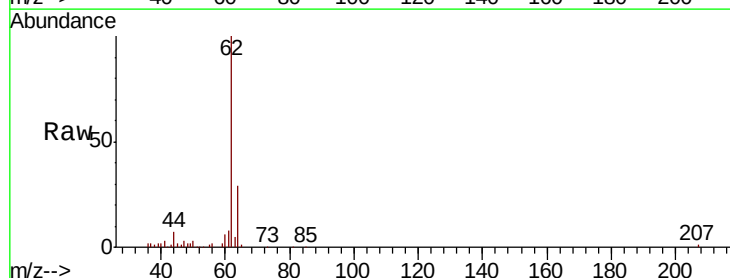
Acq: 27 Sep 2018 11:51

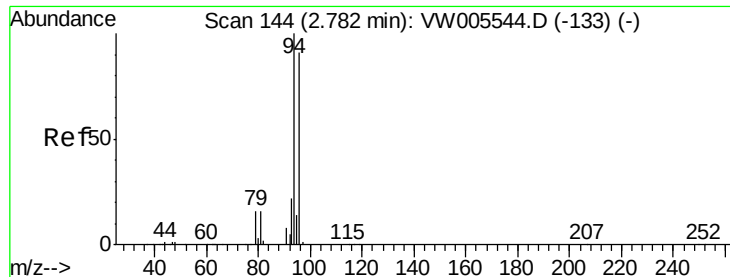
Tgt Ion: 62 Resp: 49921

Ion Ratio Lower Upper

62 100

64 29.5 25.7 38.5





#5

Bromomethane

Concen: 19.936 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

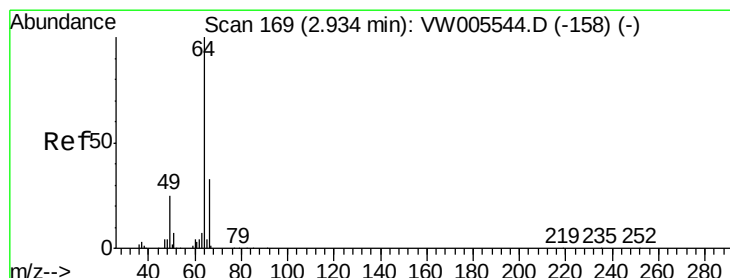
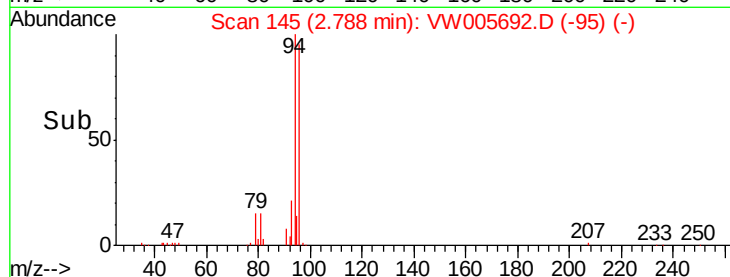
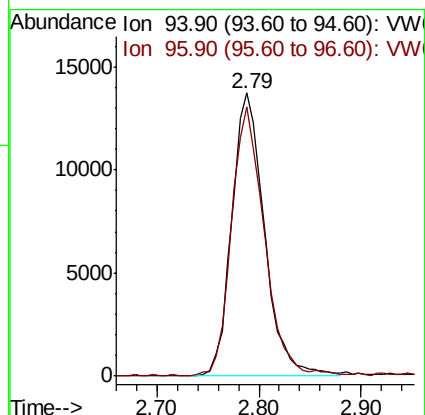
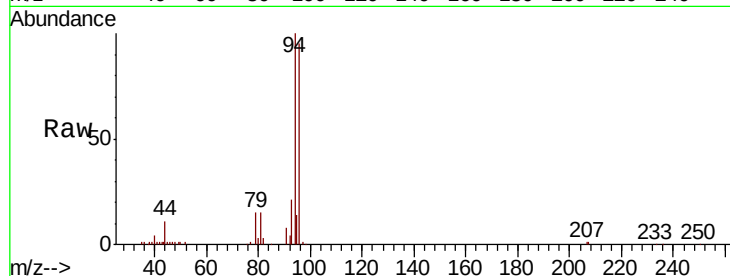
VW0927SBS01

Tgt Ion: 94 Resp: 30433

Ion Ratio Lower Upper

94 100

96 95.2 73.1 109.7



#6

Chloroethane

Concen: 19.681 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005692.D

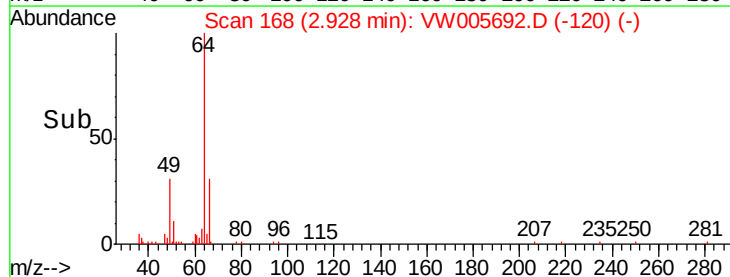
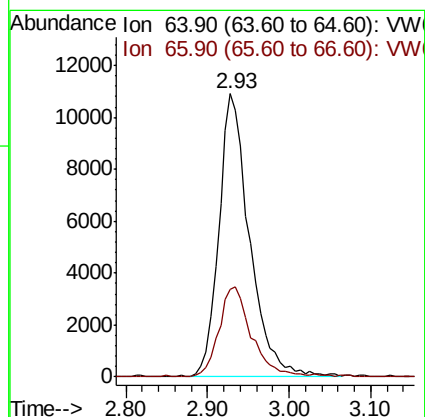
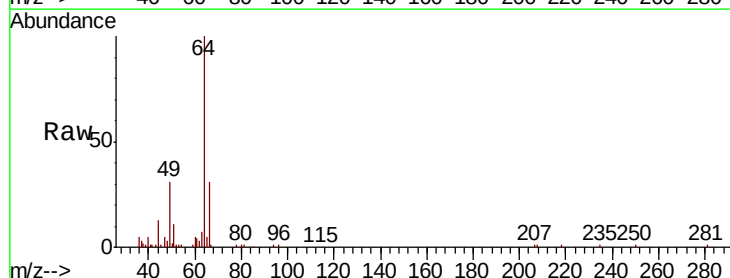
Acq: 27 Sep 2018 11:51

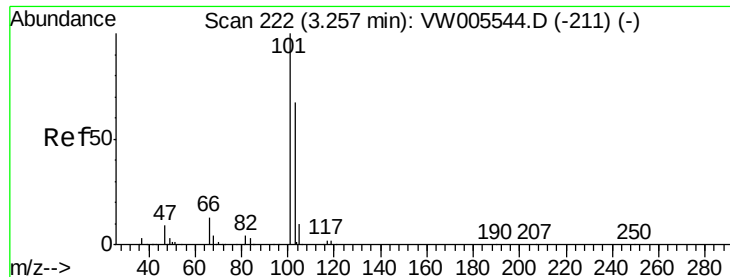
Tgt Ion: 64 Resp: 28527

Ion Ratio Lower Upper

64 100

66 30.9 26.0 39.0



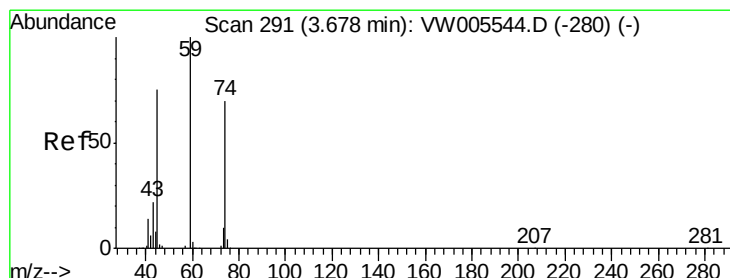
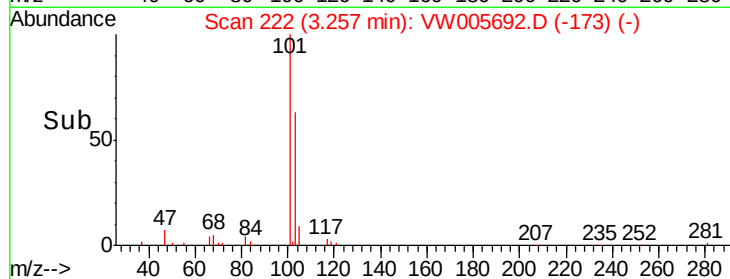
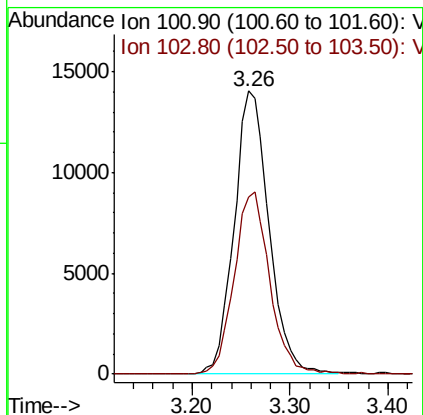
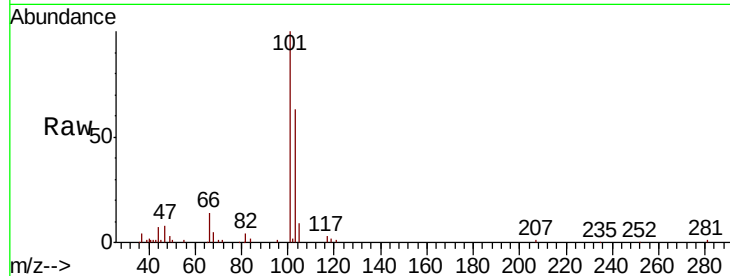


#7

Trichlorofluoromethane
 Concen: 19.632 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

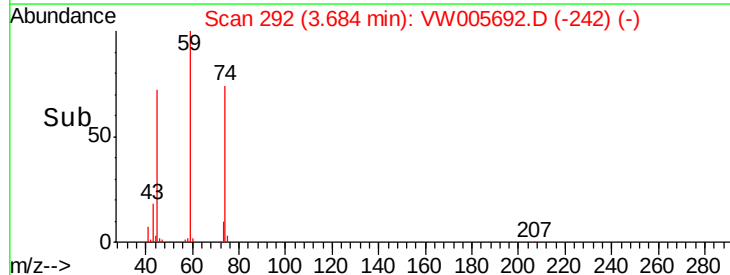
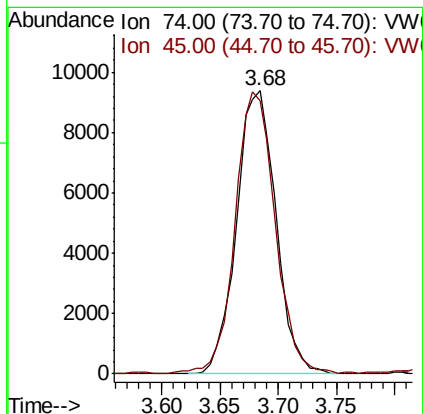
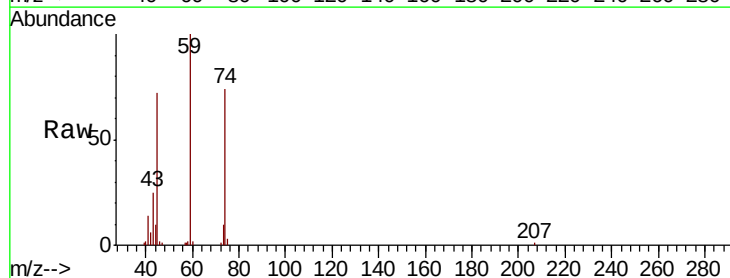
Tgt Ion: 101 Resp: 34684
 Ion Ratio Lower Upper
 101 100
 103 62.5 53.2 79.8

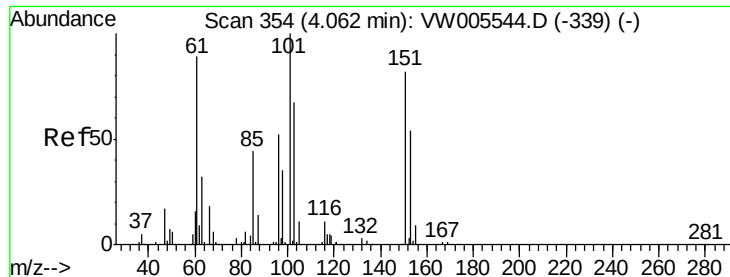


#8

Diethyl Ether
 Concen: 19.189 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 74 Resp: 22146
 Ion Ratio Lower Upper
 74 100
 45 101.4 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.317 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

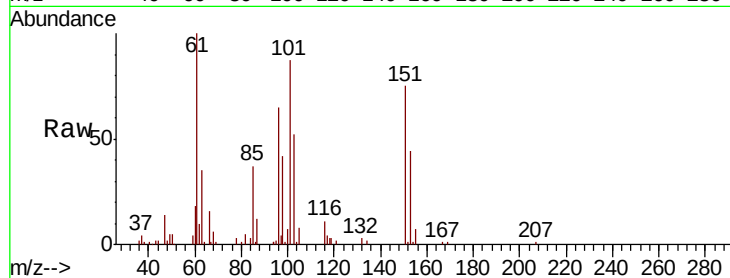
Tgt Ion:101 Resp: 47674

Ion Ratio Lower Upper

101 100

85 45.2 36.4 54.6

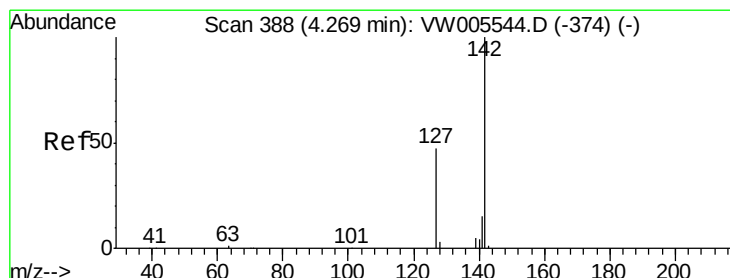
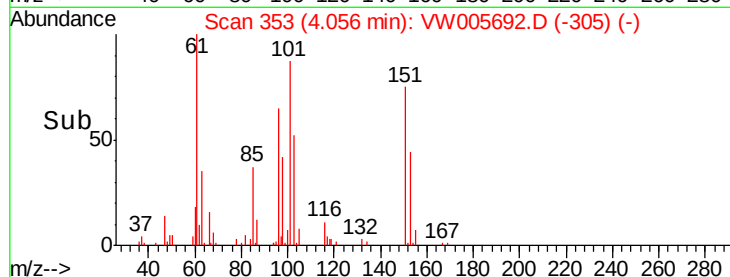
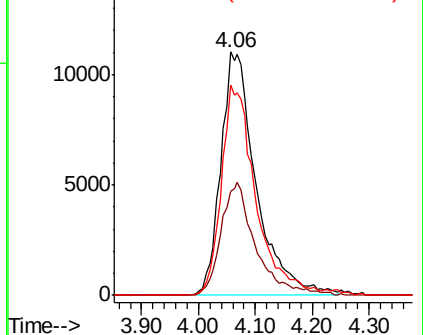
151 83.8 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.395 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

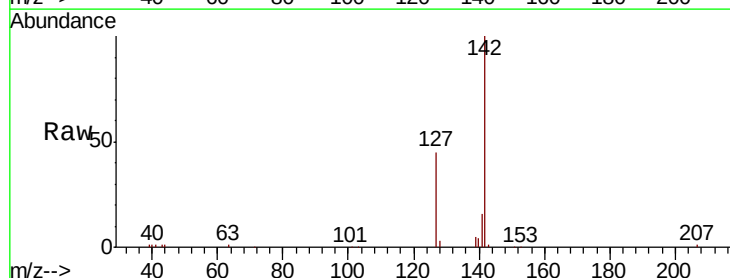
Tgt Ion:142 Resp: 70147

Ion Ratio Lower Upper

142 100

127 45.2 37.4 56.0

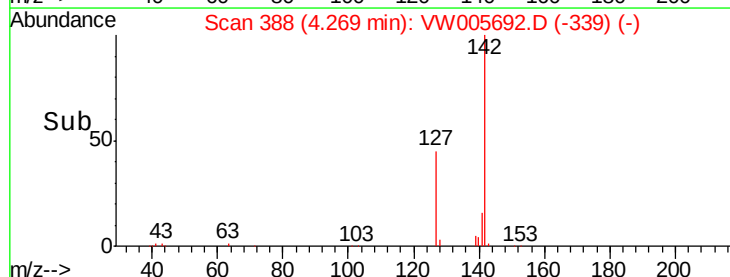
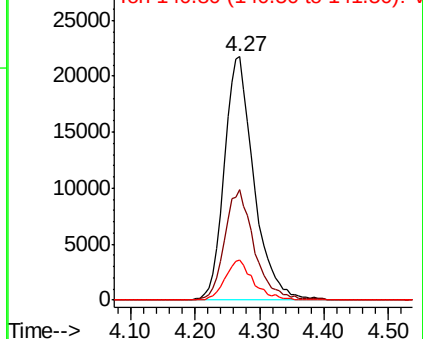
141 15.7 11.9 17.9

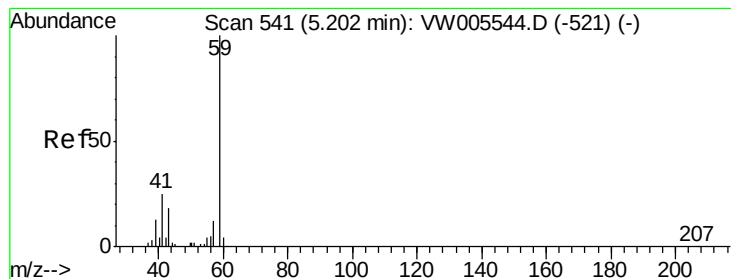


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



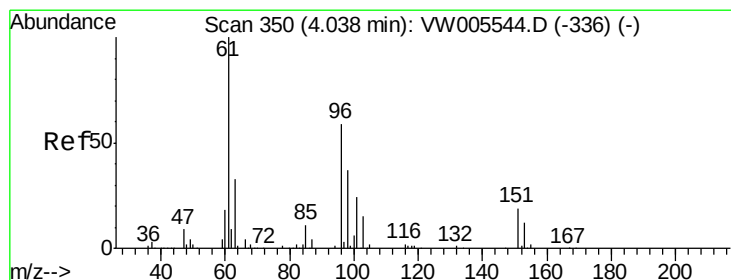
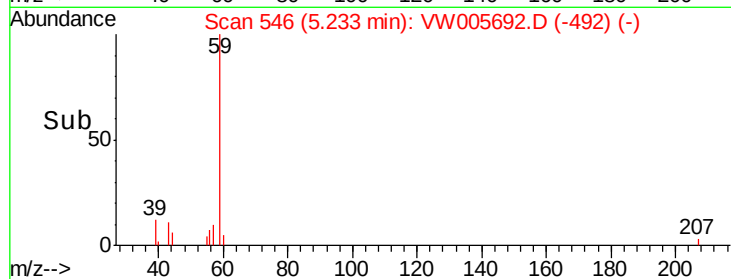
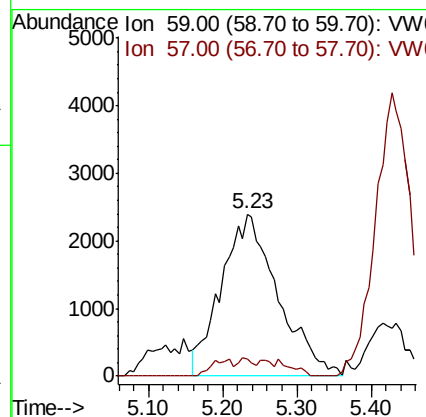
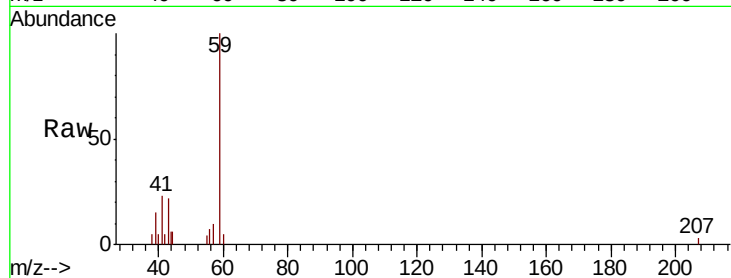


#11

Tert butyl alcohol
 Concen: 86.959 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. 0.03 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

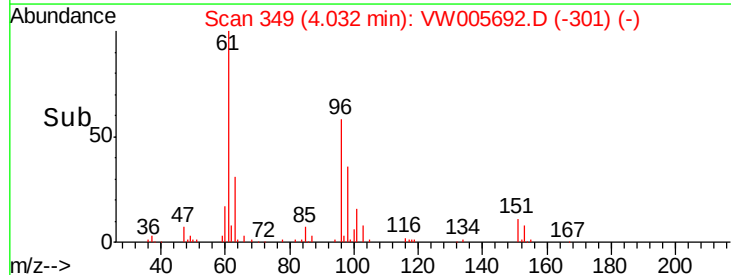
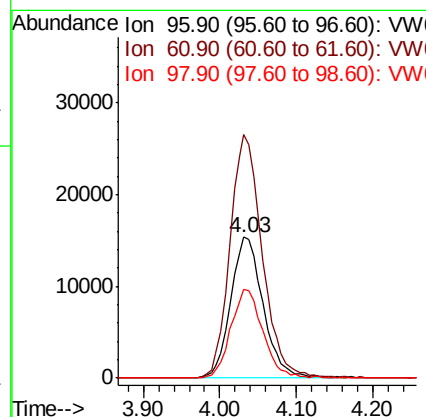
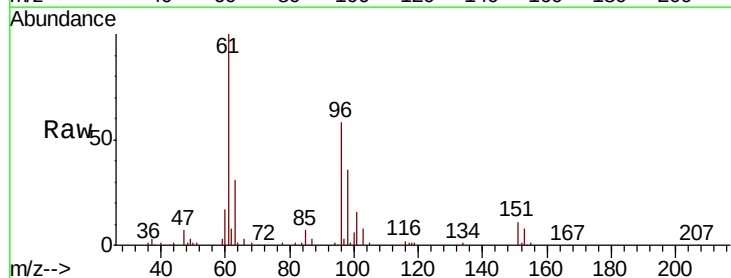
Tgt Ion: 59 Resp: 12656
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

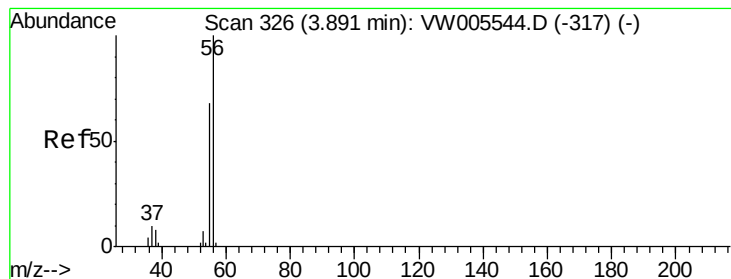


#12

1,1-Dichloroethene
 Concen: 21.100 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 96 Resp: 45176
 Ion Ratio Lower Upper
 96 100
 61 172.8 135.0 202.6
 98 62.8 50.6 76.0





#13

Acrolein

Concen: 90.063 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

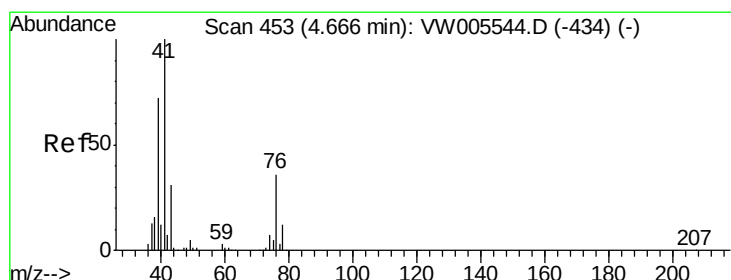
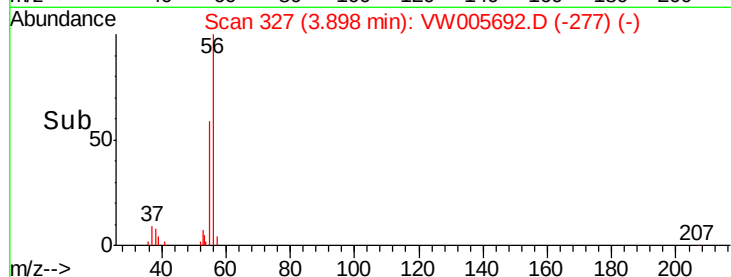
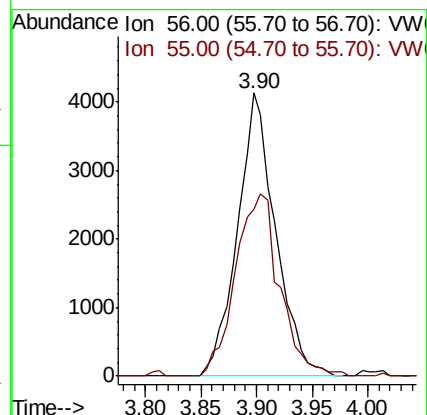
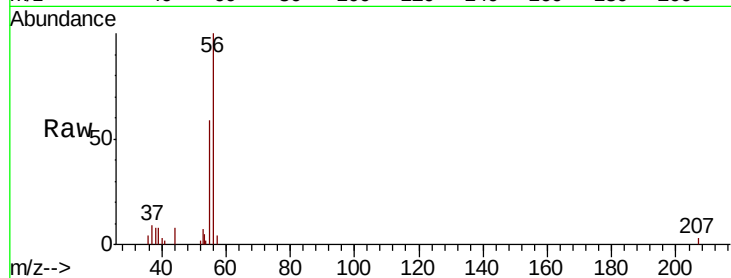
VW0927SBS01

Tgt Ion: 56 Resp: 9816

Ion Ratio Lower Upper

56 100

55 74.6 57.8 86.8



#14

Allyl chloride

Concen: 19.857 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

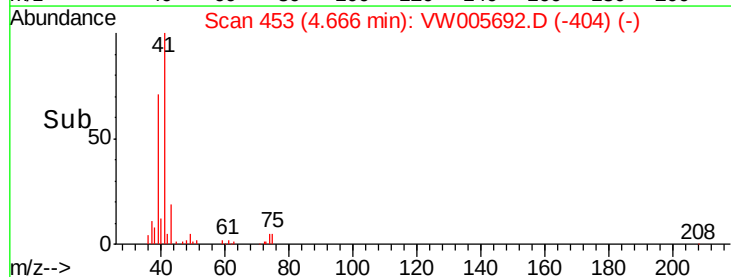
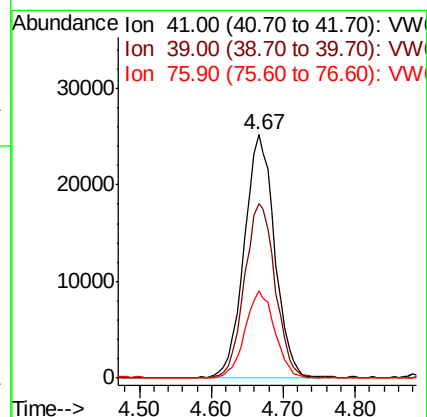
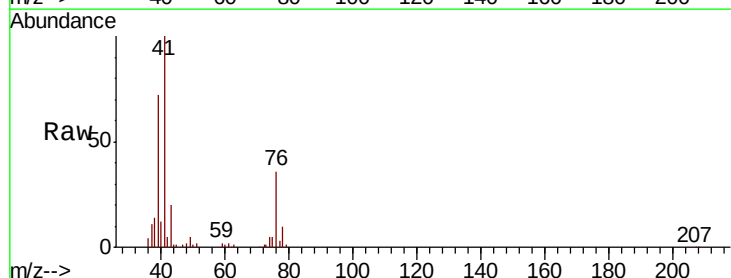
Tgt Ion: 41 Resp: 74197

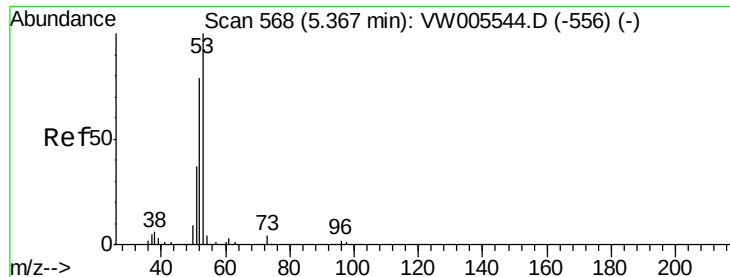
Ion Ratio Lower Upper

41 100

39 72.1 59.6 89.4

76 34.8 27.7 41.5





#15

Acrylonitrile

Concen: 85.126 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

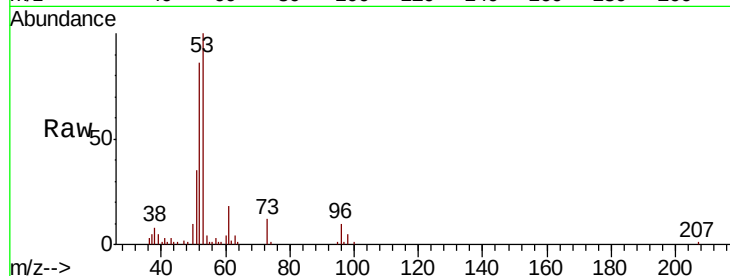
Tgt Ion: 53 Resp: 43619

Ion Ratio Lower Upper

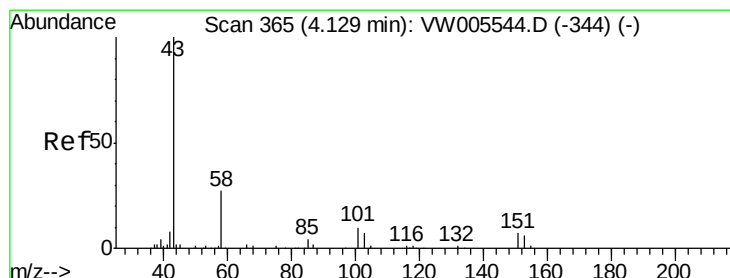
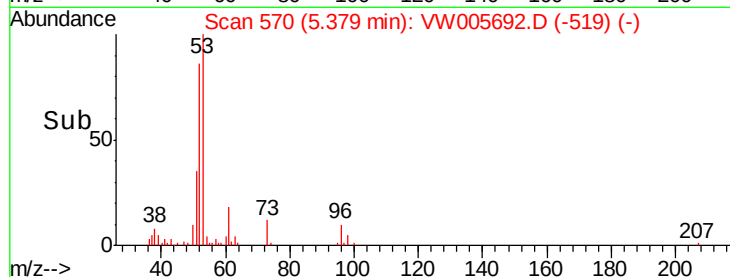
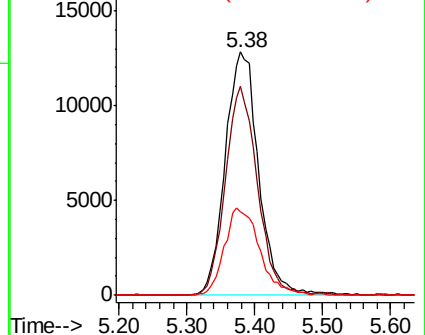
53 100

52 82.4 66.5 99.7

51 37.9 30.6 46.0



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



#16

Acetone

Concen: 107.344 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005692.D

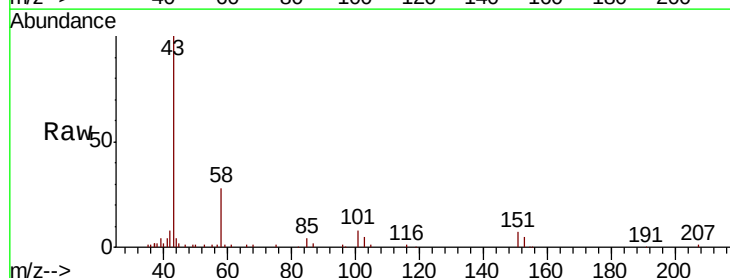
Acq: 27 Sep 2018 11:51

Tgt Ion: 43 Resp: 49081

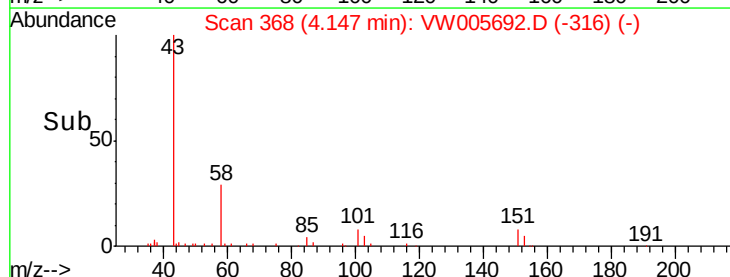
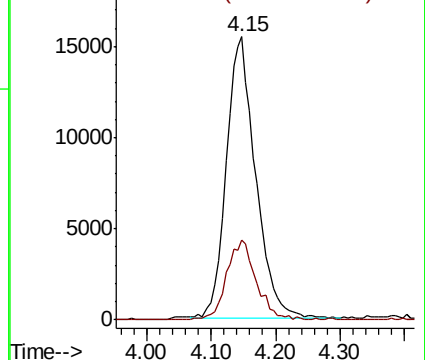
Ion Ratio Lower Upper

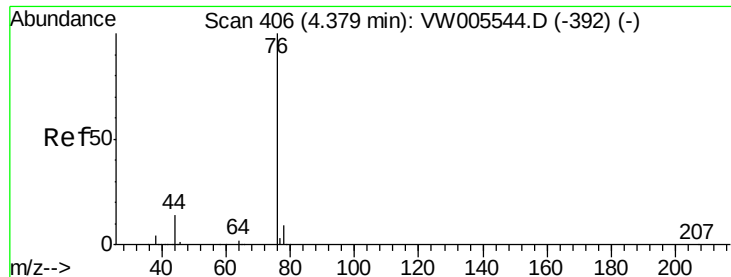
43 100

58 28.2 21.8 32.8



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





#17

Carbon Disulfide

Concen: 20.224 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

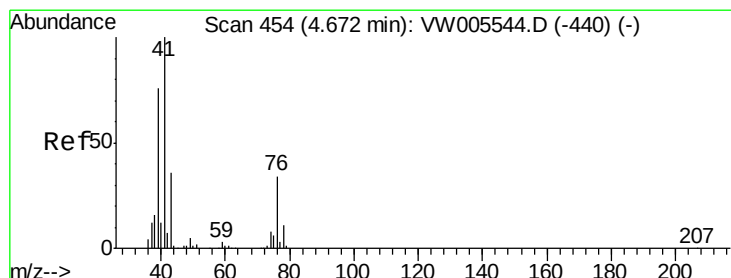
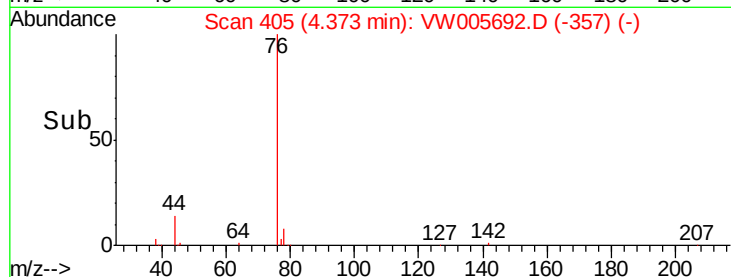
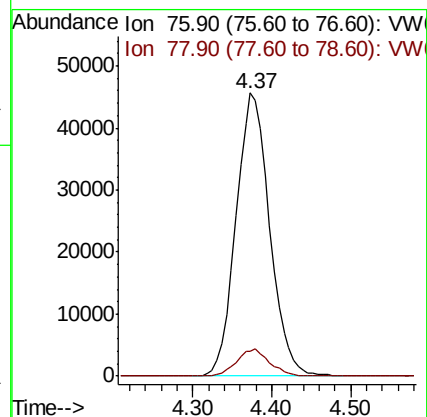
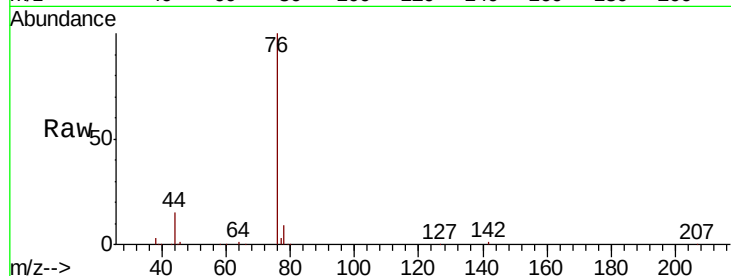
VW0927SBS01

Tgt Ion: 76 Resp: 135294

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



#18

Methyl Acetate

Concen: 15.157 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005692.D

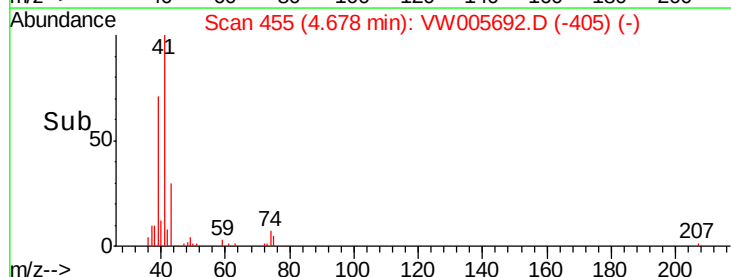
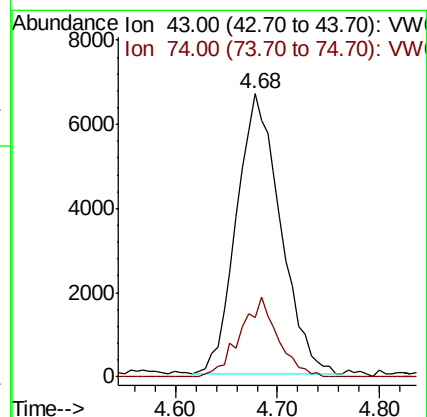
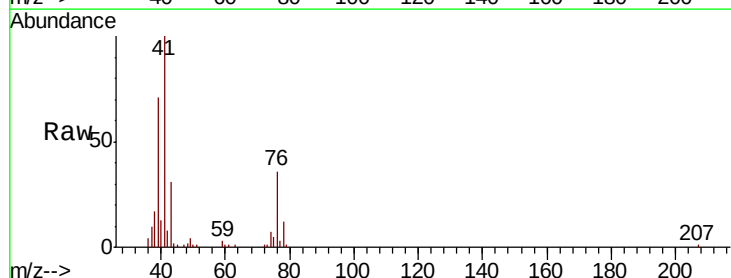
Acq: 27 Sep 2018 11:51

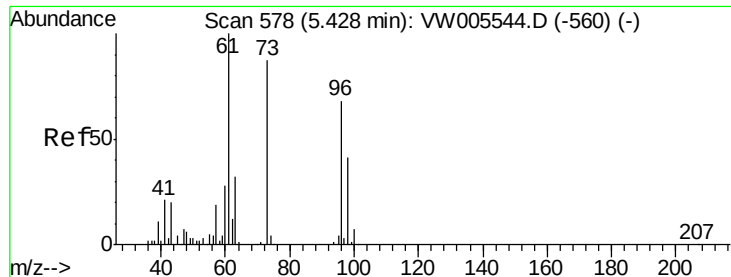
Tgt Ion: 43 Resp: 19896

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8

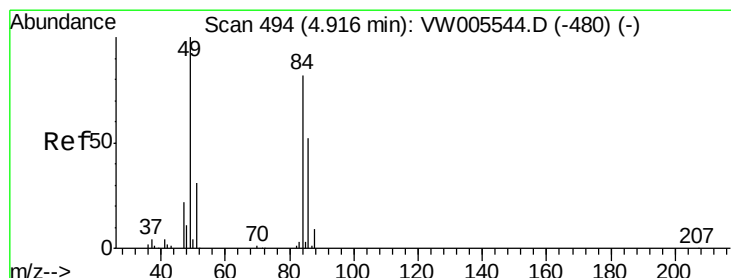
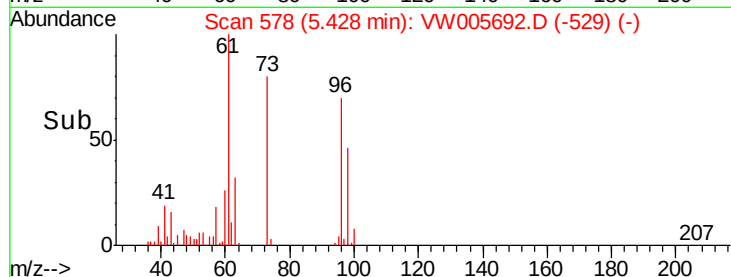
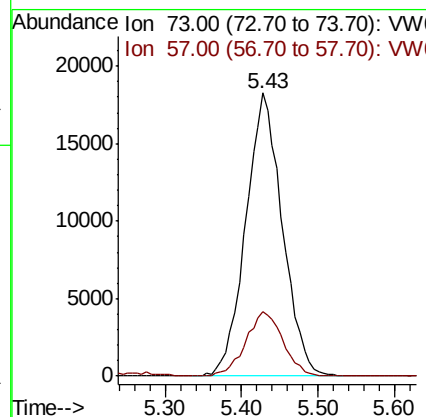
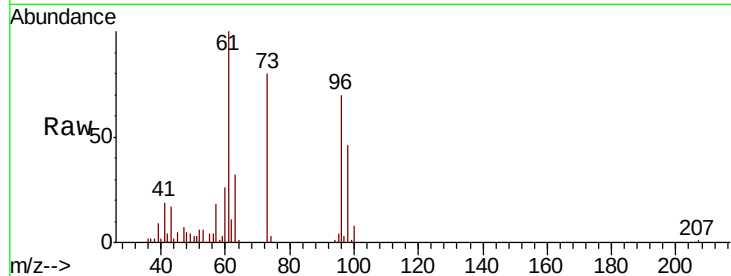




#19
Methyl tert-butyl Ether
Concen: 18.349 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

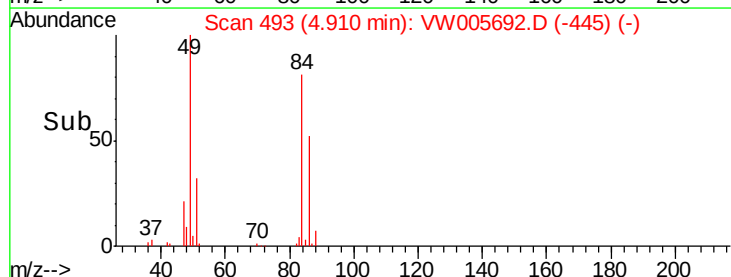
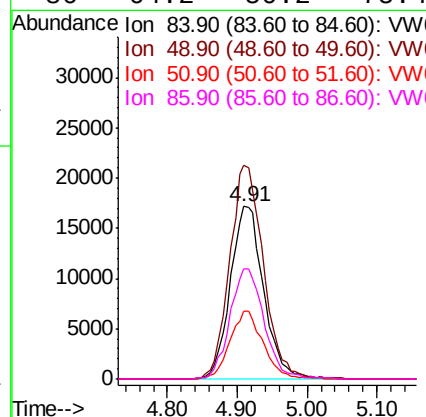
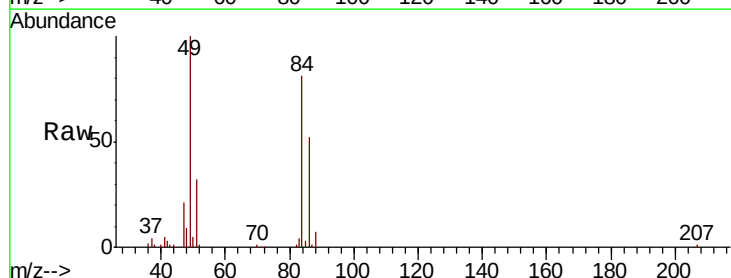
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

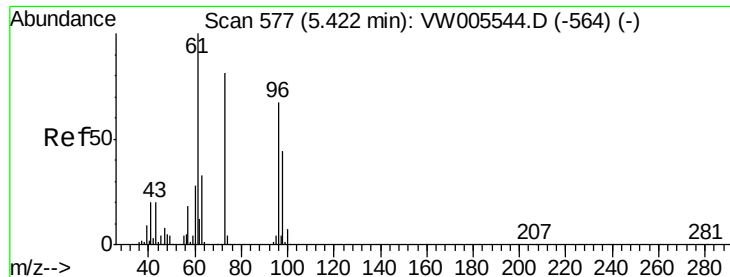
Tgt Ion: 73 Resp: 60638
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4



#20
Methylene Chloride
Concen: 22.044 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 84 Resp: 56714
Ion Ratio Lower Upper
84 100
49 123.8 97.0 145.6
51 39.1 30.2 45.2
86 64.2 50.2 75.4

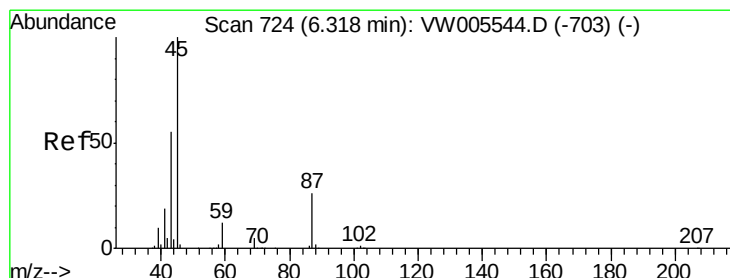
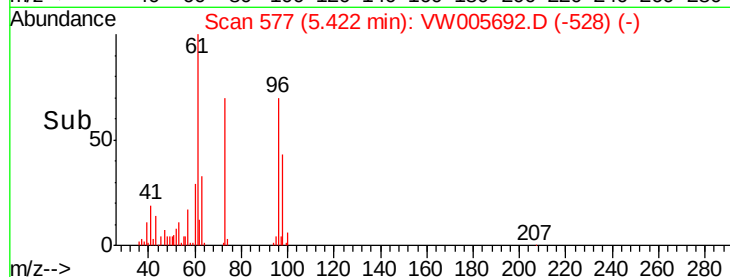
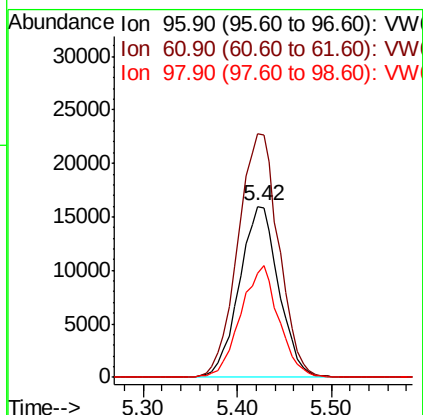
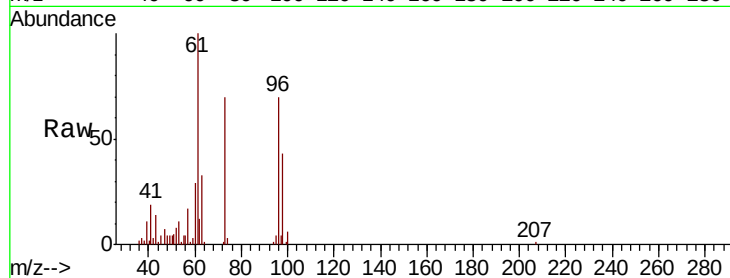




#21
trans-1,2-Dichloroethene
Concen: 19.975 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

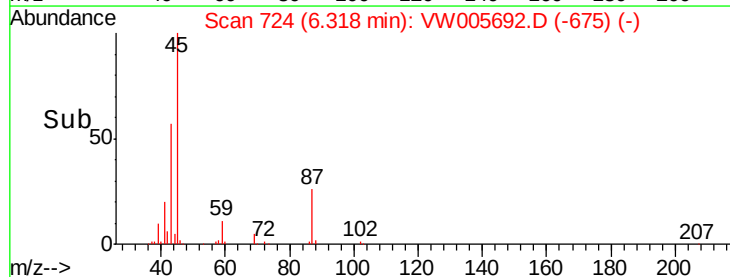
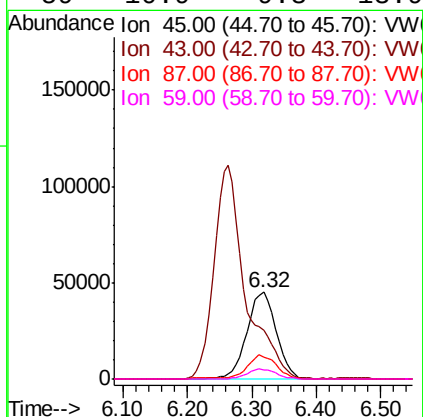
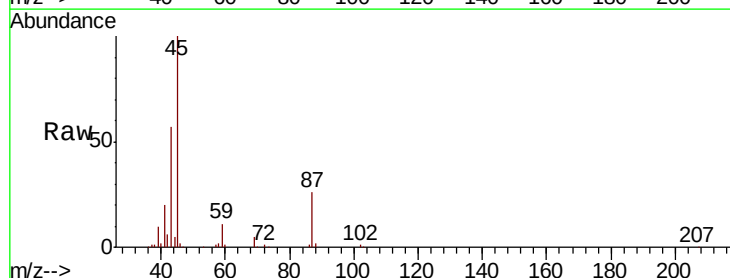
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

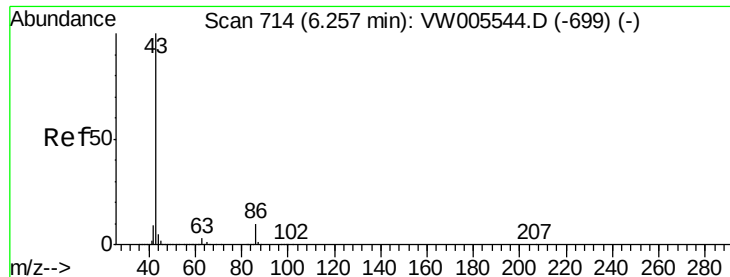
Tgt Ion: 96 Resp: 46842
Ion Ratio Lower Upper
96 100
61 142.4 118.9 178.3
98 60.9 52.1 78.1



#22
Diisopropyl ether
Concen: 19.524 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 45 Resp: 141619
Ion Ratio Lower Upper
45 100
43 55.7 44.2 66.4
87 25.7 21.4 32.2
59 10.9 9.3 13.9

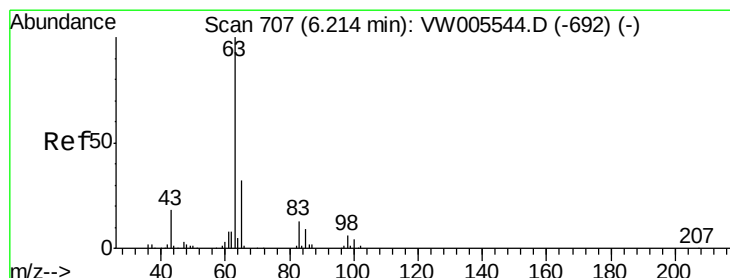
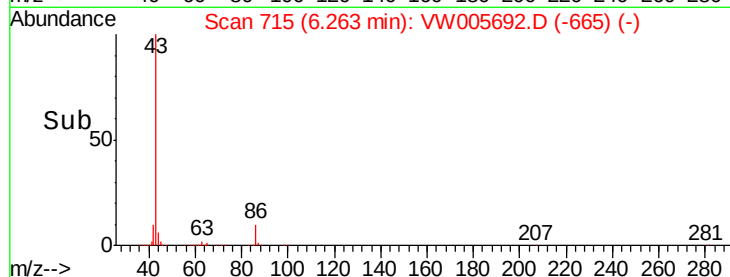
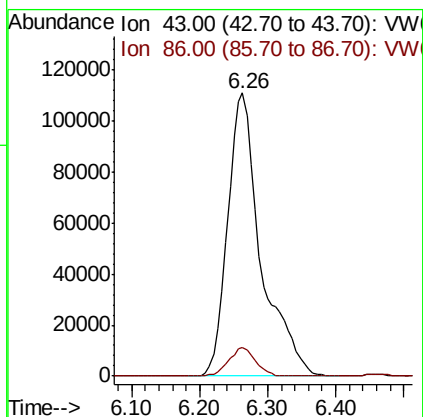
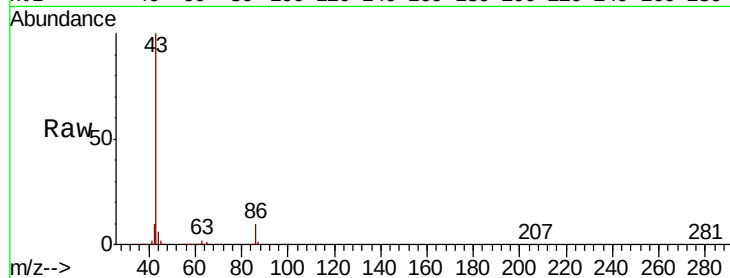




#23
 Vinyl Acetate
 Concen: 91.088 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

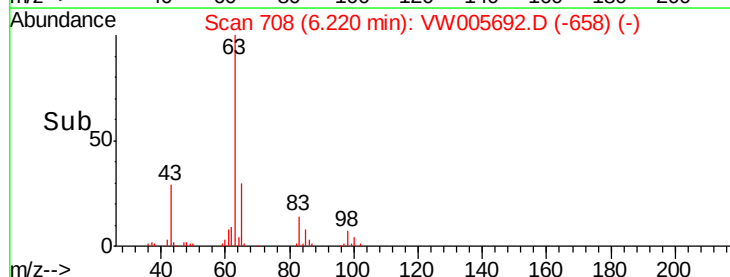
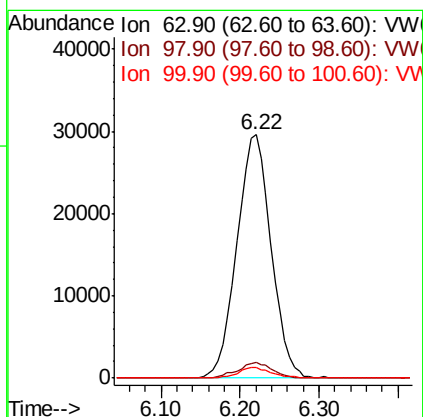
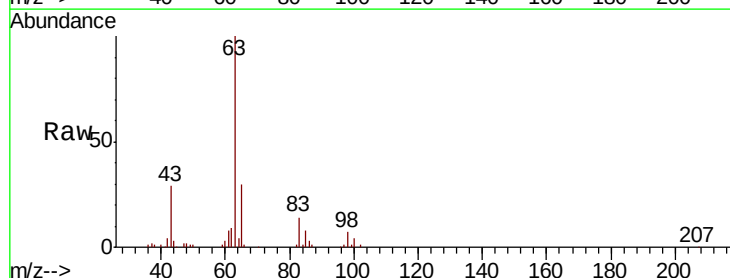
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

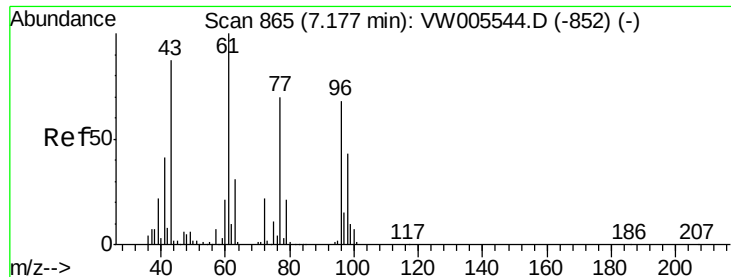
Tgt Ion: 43 Resp: 377650
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 19.868 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 63 Resp: 89040
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.8
 100 4.2 2.1 6.2





#25

2-Butanone

Concen: 85.612 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

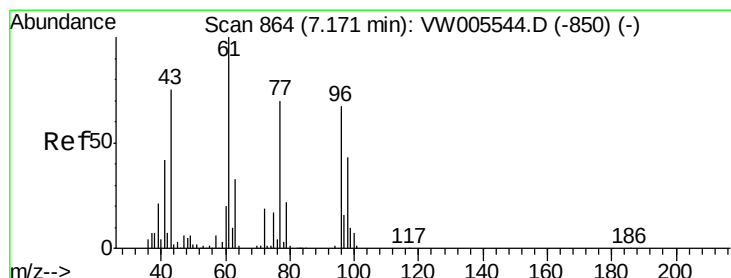
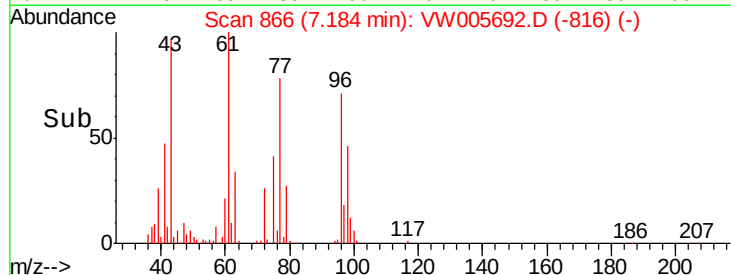
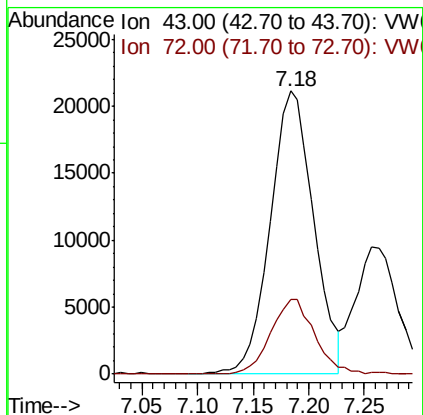
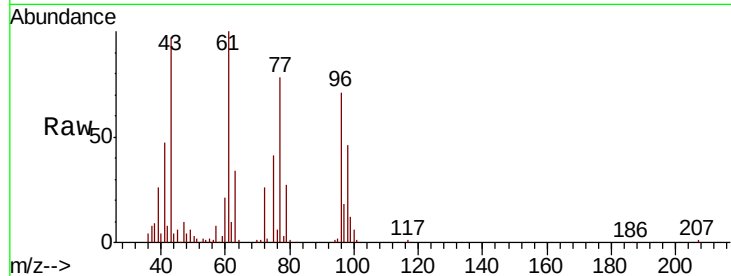
VW0927SBS01

Tgt Ion: 43 Resp: 57587

Ion Ratio Lower Upper

43 100

72 26.4 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.756 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005692.D

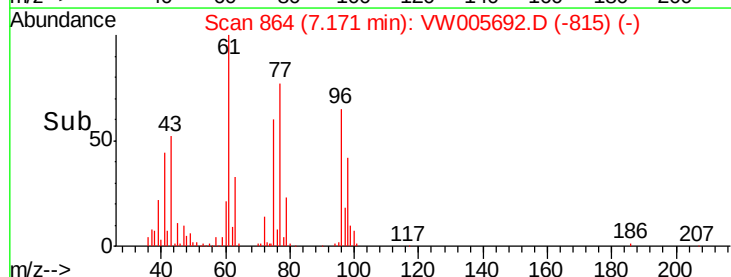
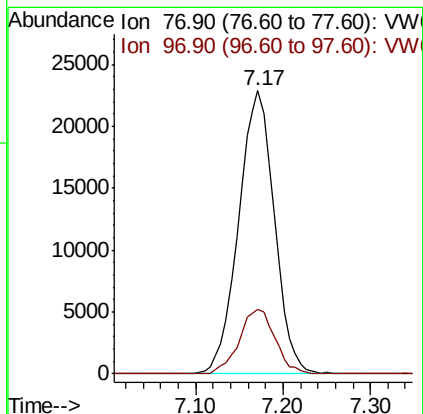
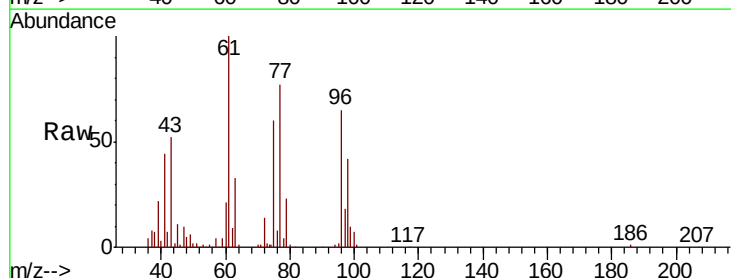
Acq: 27 Sep 2018 11:51

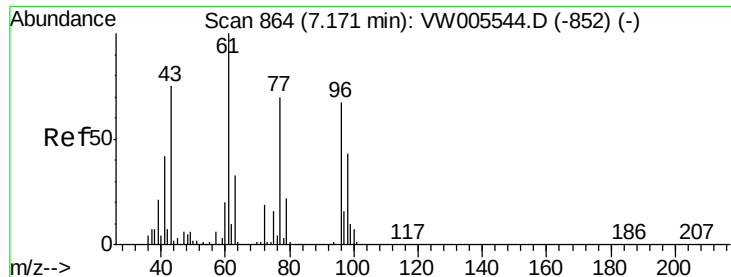
Tgt Ion: 77 Resp: 64940

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0



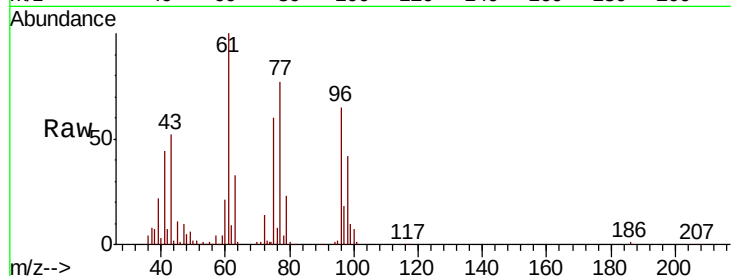


#27

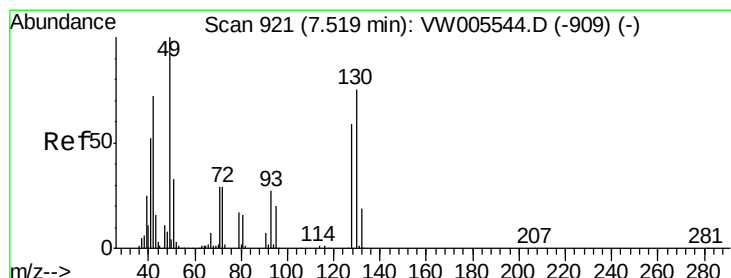
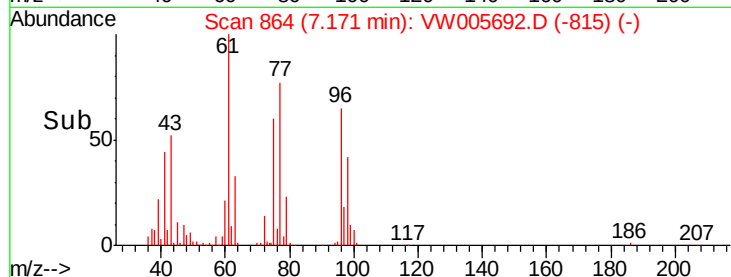
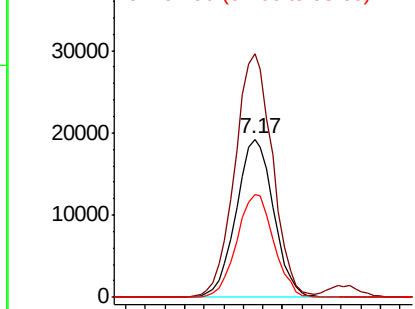
cis-1,2-Dichloroethene
 Concen: 19.676 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tgt Ion: 96 Resp: 50892
 Ion Ratio Lower Upper
 96 100
 61 155.4 0.0 303.4
 98 64.4 0.0 127.2



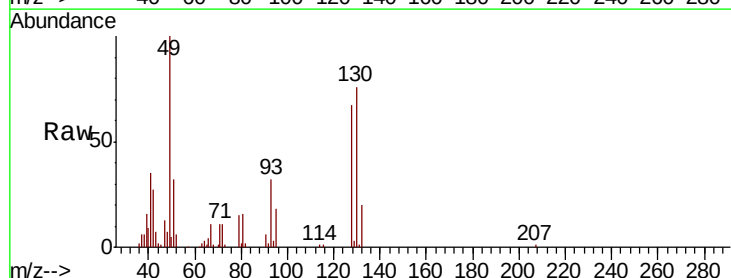
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



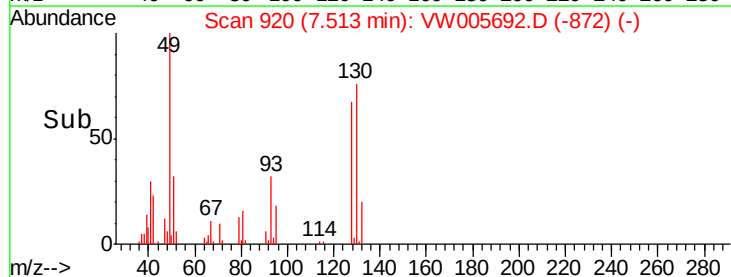
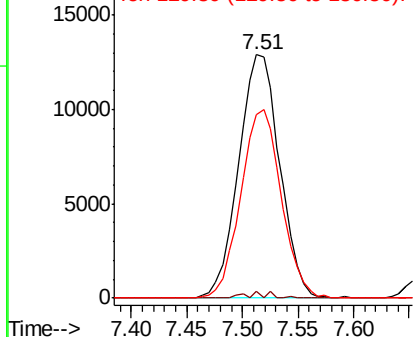
#28

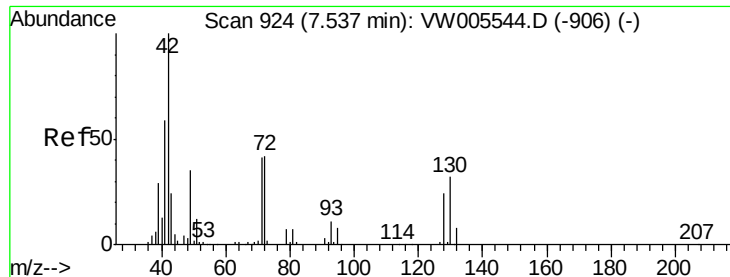
Bromochloromethane
 Concen: 18.625 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 49 Resp: 33064
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.4
 130 76.5 61.3 91.9



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

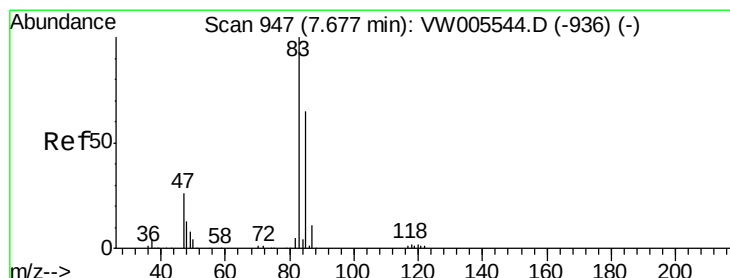
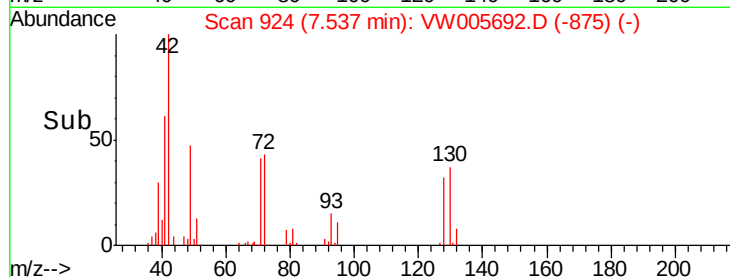
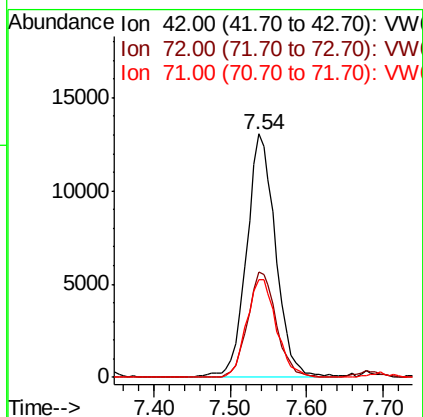
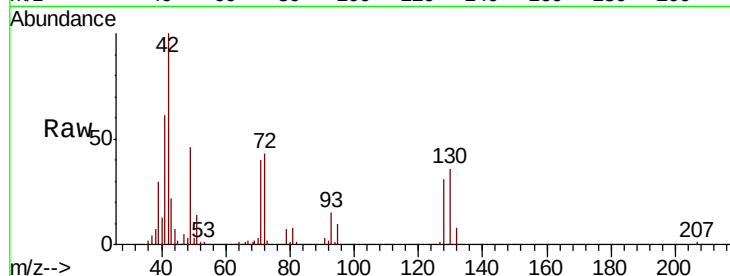




#29
Tetrahydrofuran
Concen: 82.267 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

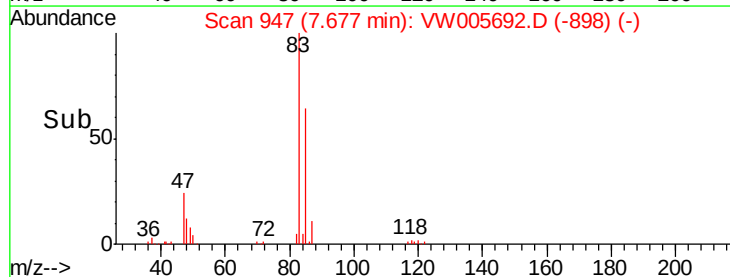
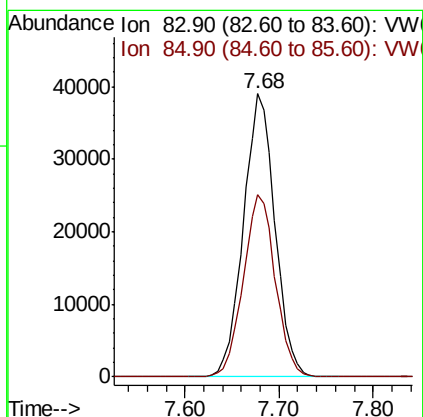
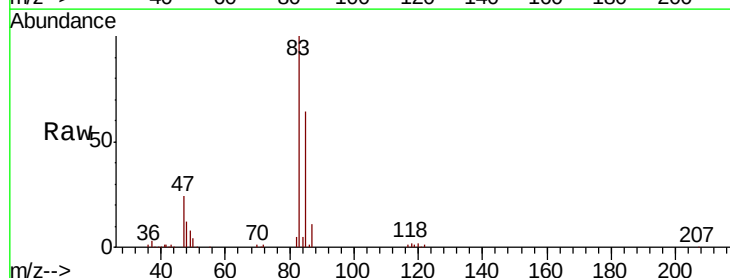
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

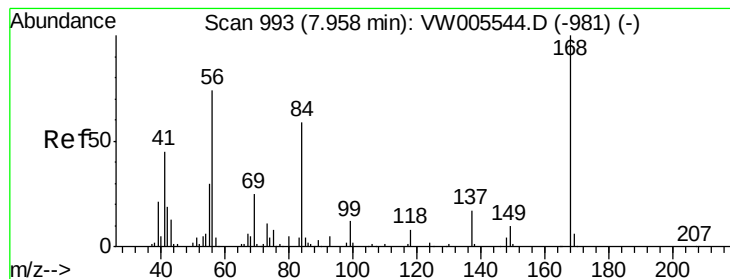
Tgt Ion: 42 Resp: 34571
Ion Ratio Lower Upper
42 100
72 42.6 33.6 50.4
71 40.9 31.8 47.6



#30
Chloroform
Concen: 19.794 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 83 Resp: 91582
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.6





#31

Cyclohexane

Concen: 19.819 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

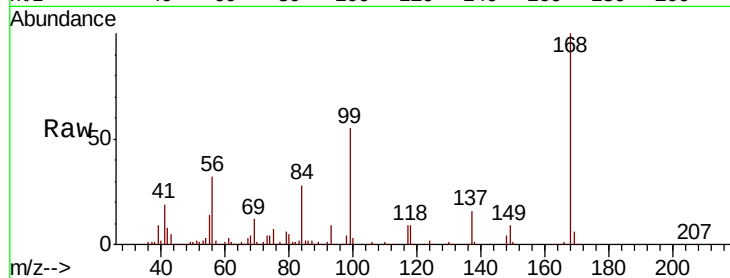
Tgt Ion: 56 Resp: 85097

Ion Ratio Lower Upper

56 100

69 38.5 27.0 40.4

84 85.8 64.2 96.4

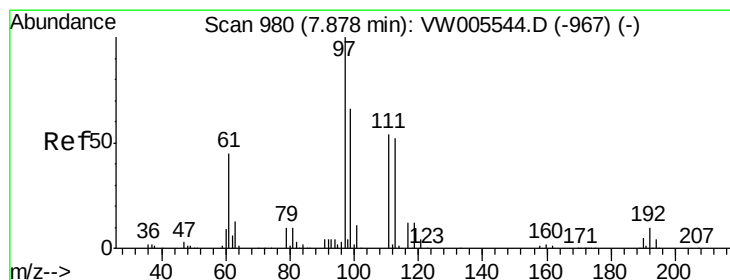
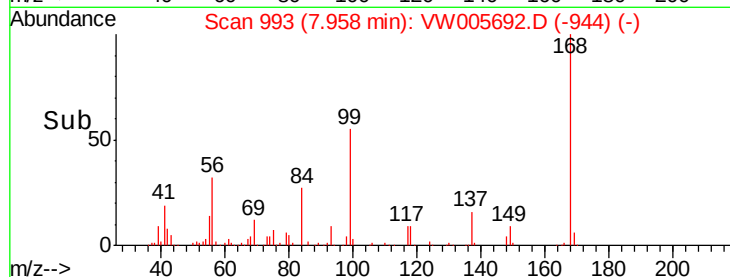
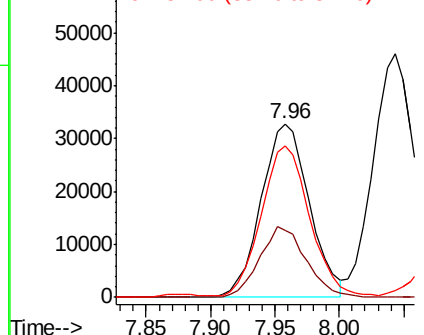


Abundance

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: 20.268 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

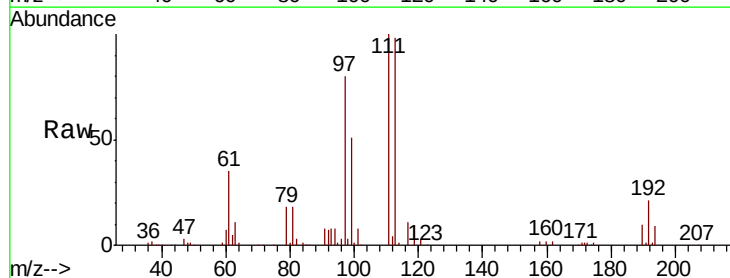
Tgt Ion: 97 Resp: 82843

Ion Ratio Lower Upper

97 100

99 62.7 51.0 76.6

61 44.1 36.2 54.2

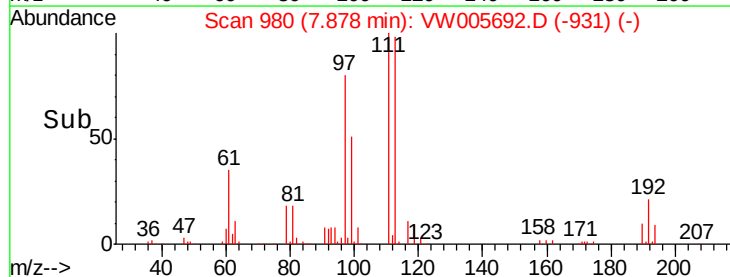
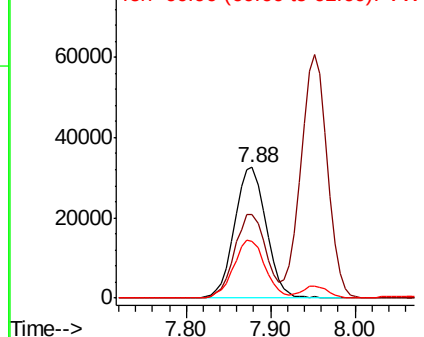


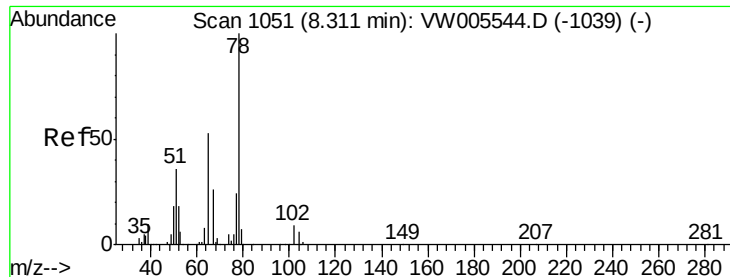
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

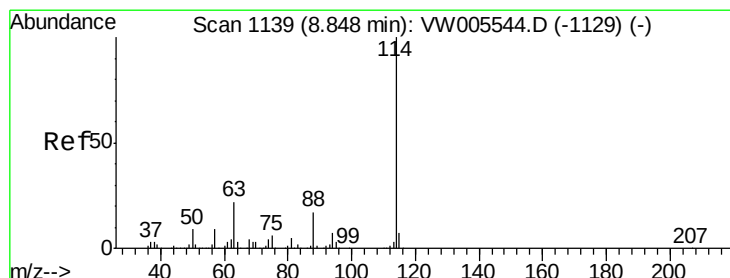
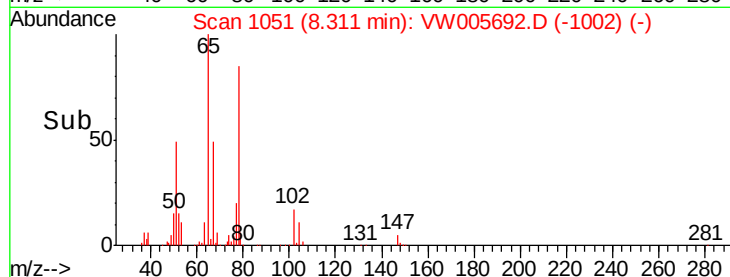
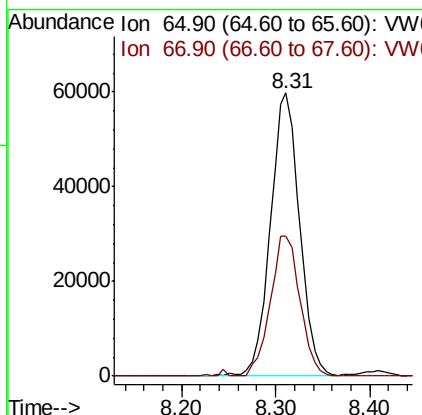
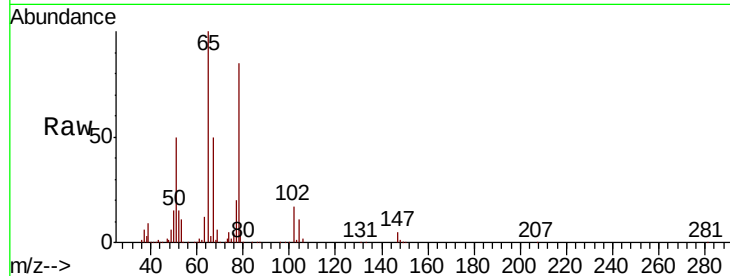




#33
 1,2-Dichloroethane-d4
 Concen: 46.891 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

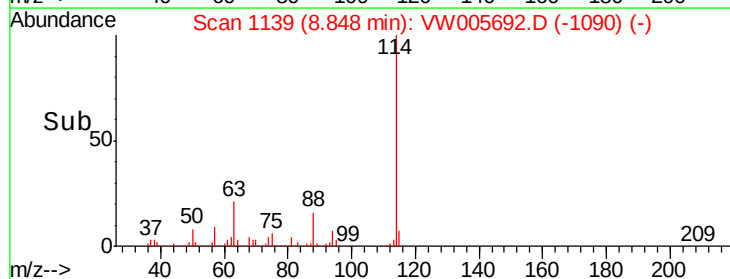
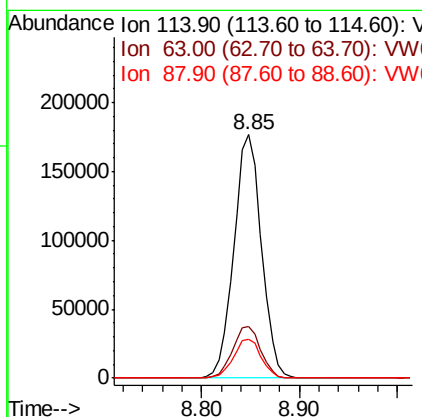
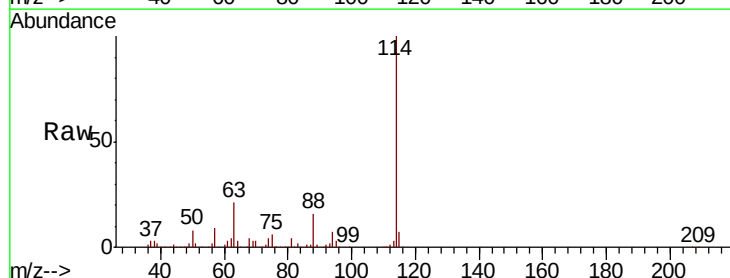
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

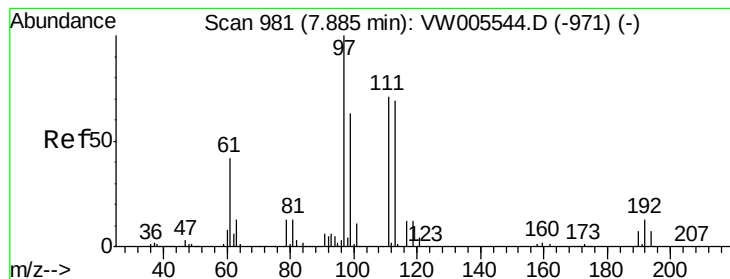
Tgt Ion: 65 Resp: 129865
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 114 Resp: 344748
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.0
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.729 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

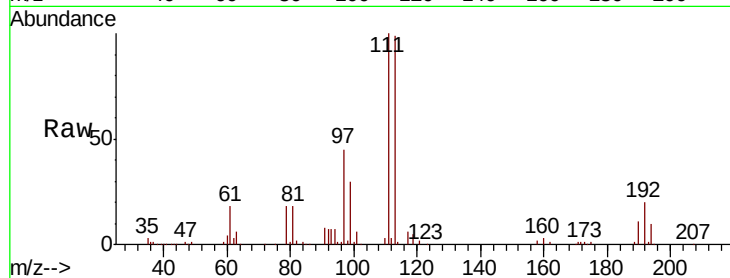
Tgt Ion:113 Resp: 114315

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

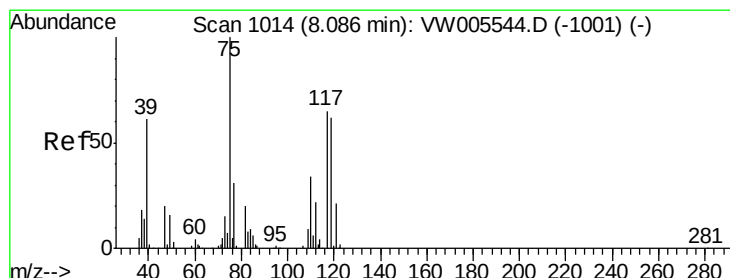
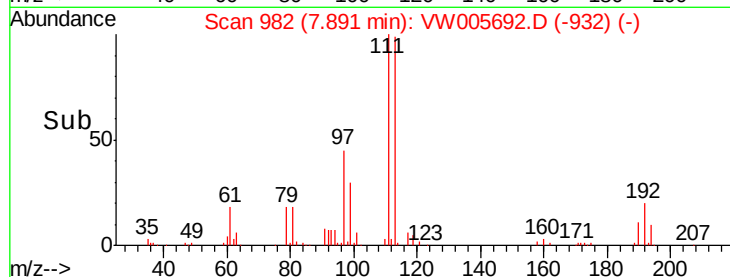
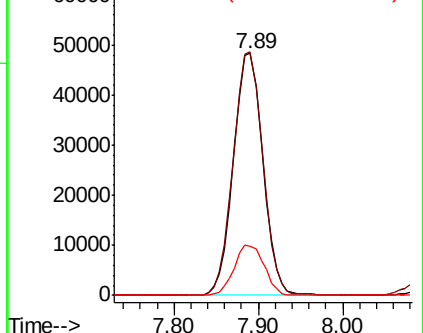
192 21.2 17.0 25.4



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: 21.050 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

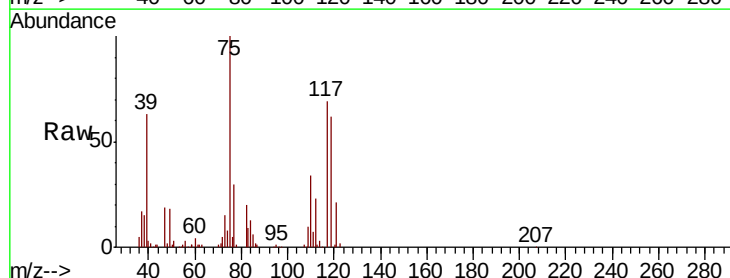
Tgt Ion: 75 Resp: 73053

Ion Ratio Lower Upper

75 100

110 34.0 17.0 50.9

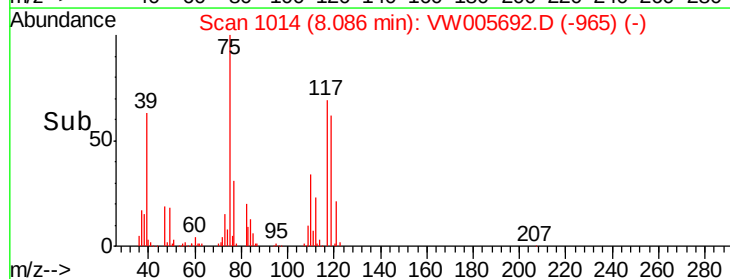
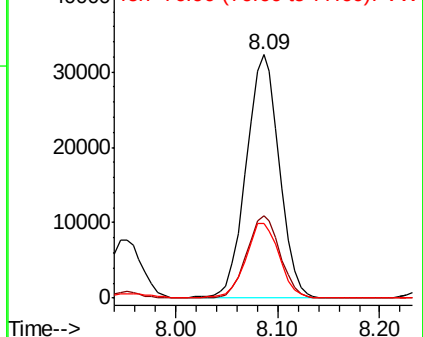
77 31.3 24.8 37.2

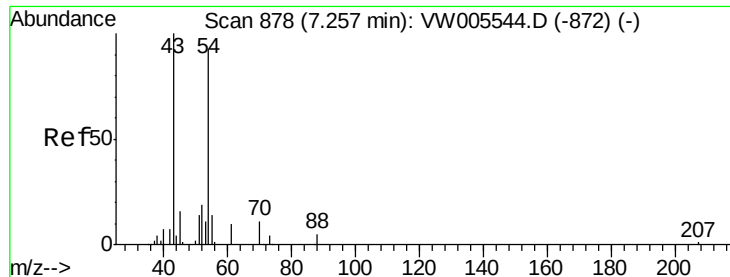


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

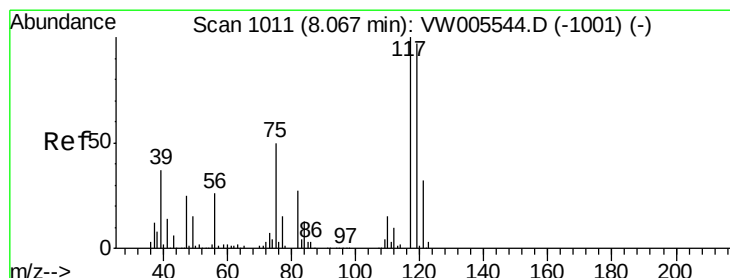
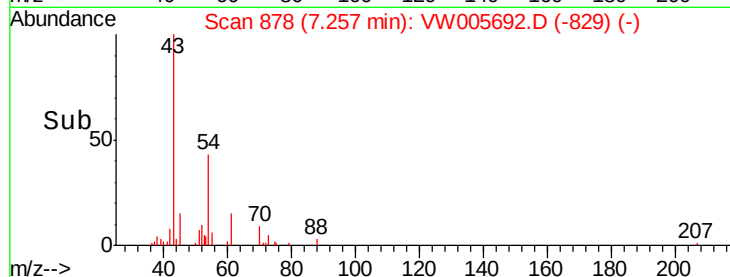
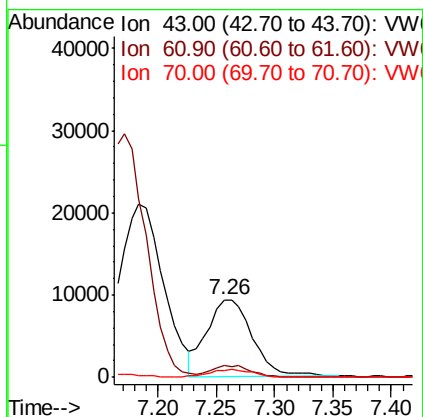
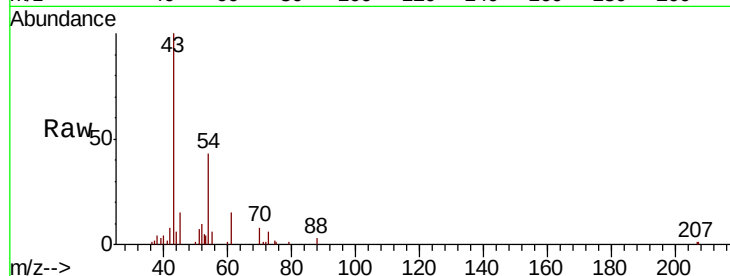




#37
 Ethyl Acetate
 Concen: 17.394 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

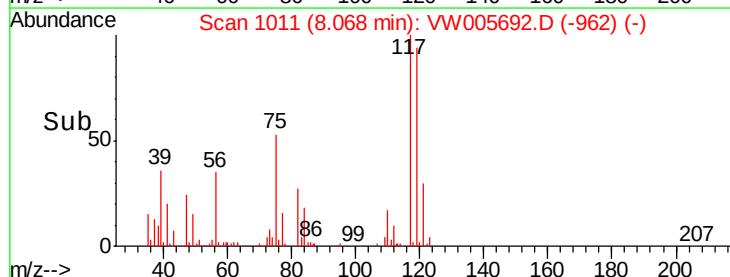
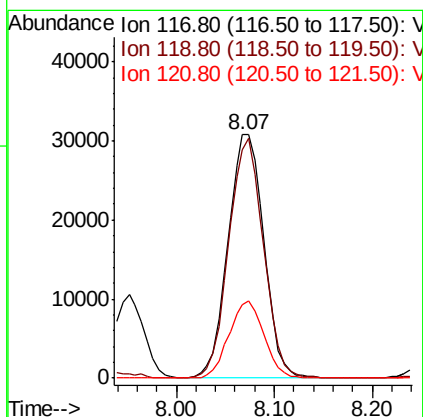
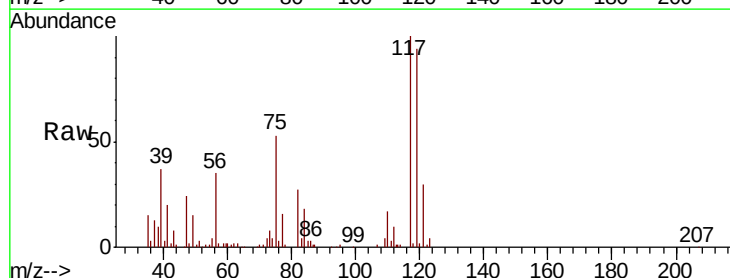
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

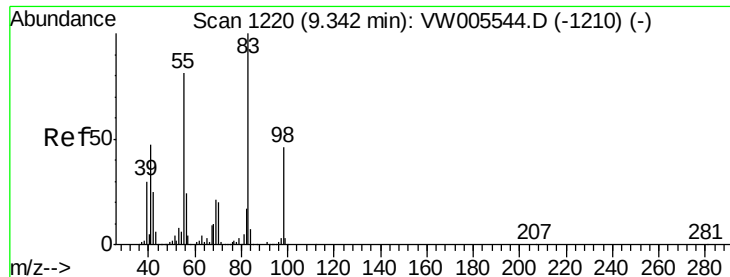
Tgt Ion: 43 Resp: 25403
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.4 15.6
 70 9.9 8.2 12.2



#38
 Carbon Tetrachloride
 Concen: 21.098 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 117 Resp: 78462
 Ion Ratio Lower Upper
 117 100
 119 93.9 77.6 116.4
 121 30.0 25.7 38.5





#39

Methylcyclohexane

Concen: 21.454 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

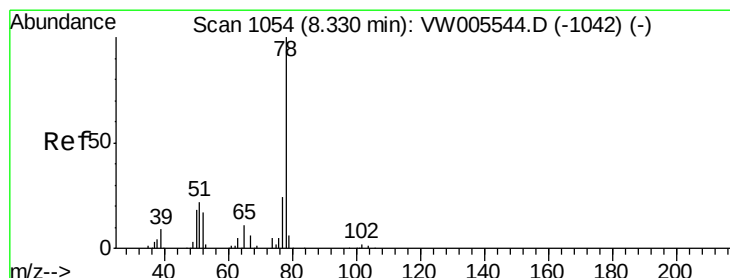
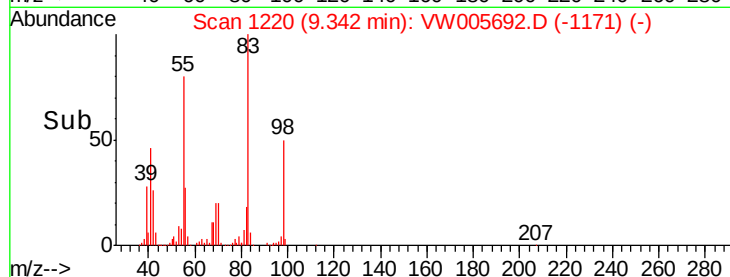
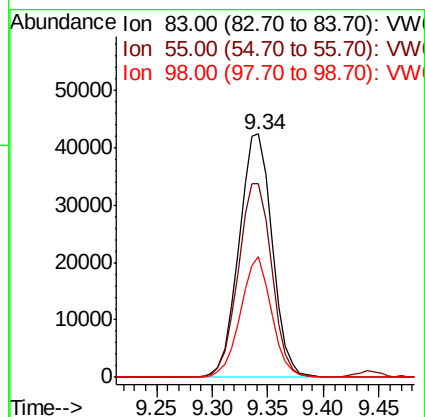
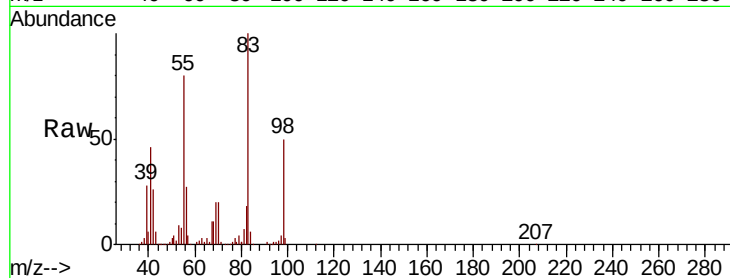
Tgt Ion: 83 Resp: 87844

Ion Ratio Lower Upper

83 100

55 79.7 64.6 97.0

98 49.5 37.0 55.6



#40

Benzene

Concen: 20.768 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005692.D

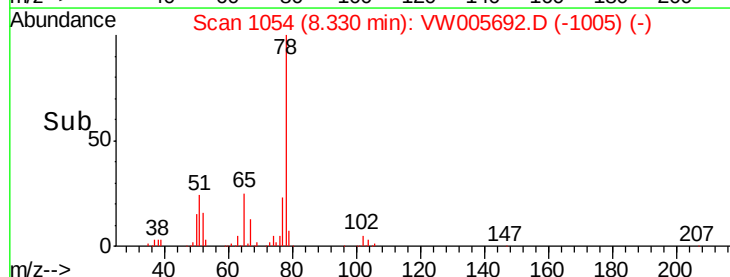
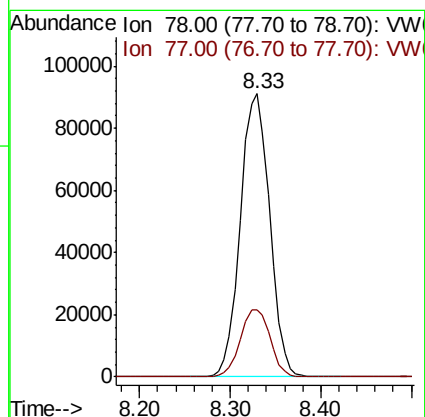
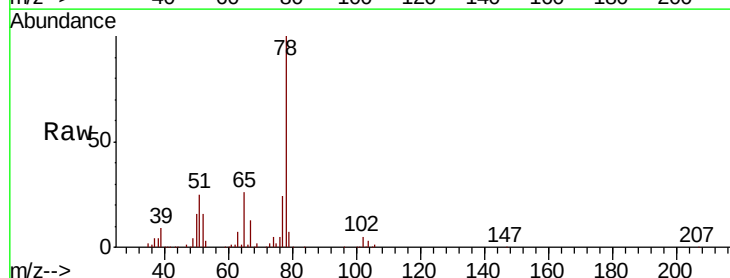
Acq: 27 Sep 2018 11:51

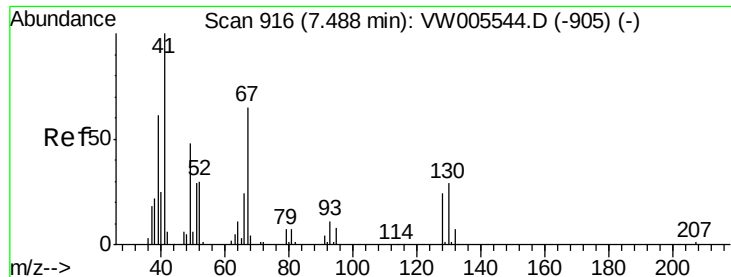
Tgt Ion: 78 Resp: 204214

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

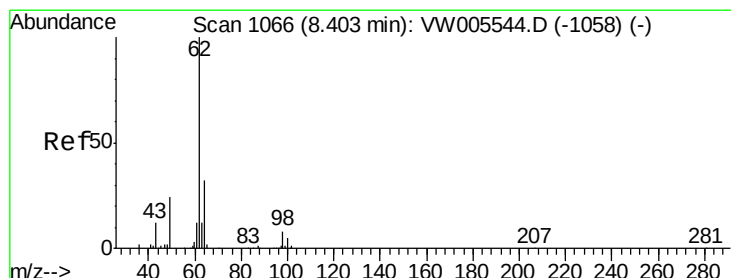
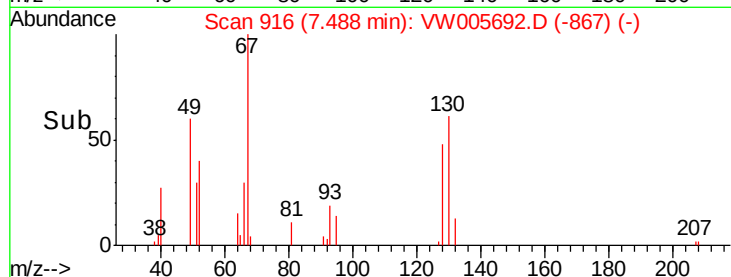
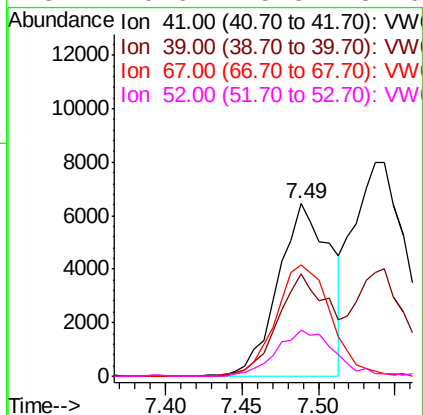
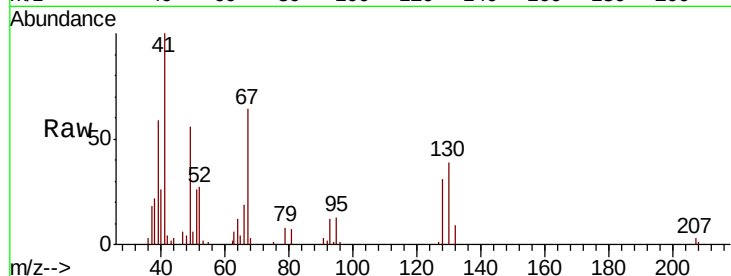




#41
Methacrylonitrile
Concen: 18.532 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

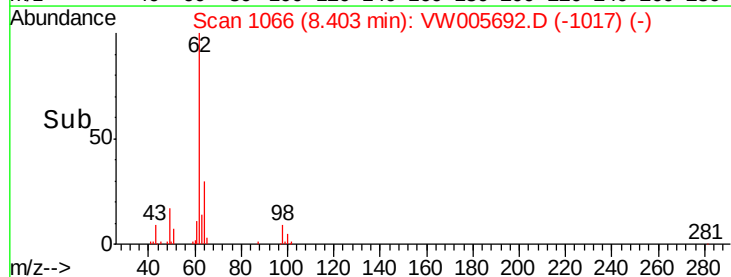
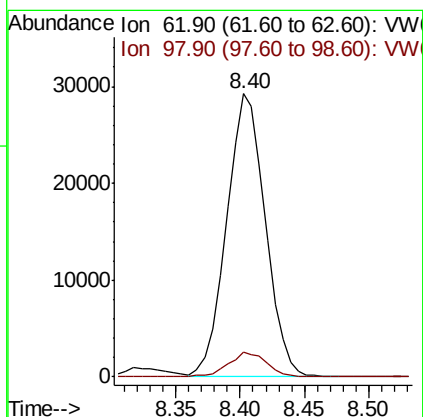
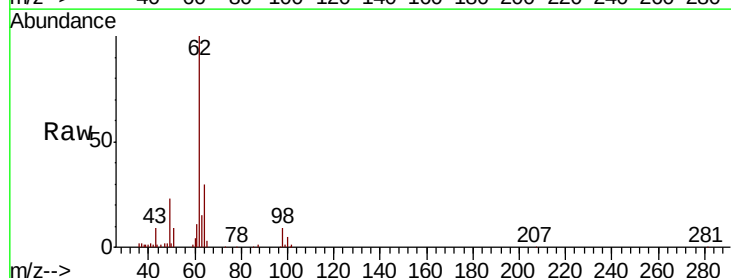
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

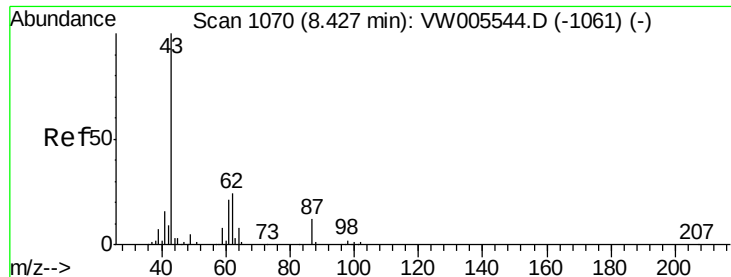
Tgt Ion:	41	Resp:	15401
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.4	68.2
67	67.4	55.2	82.8
52	29.6	25.3	37.9



#42
1,2-Dichloroethane
Concen: 19.436 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion:	62	Resp:	61189
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 17.522 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

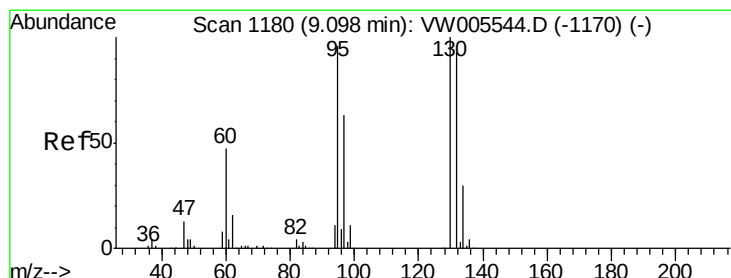
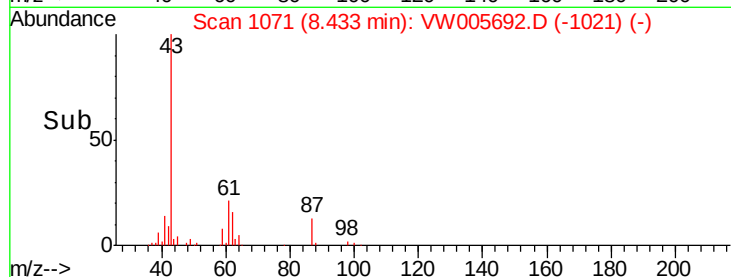
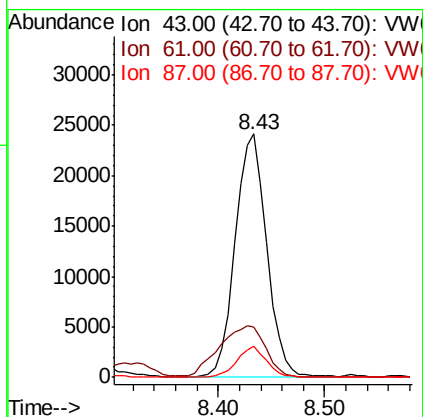
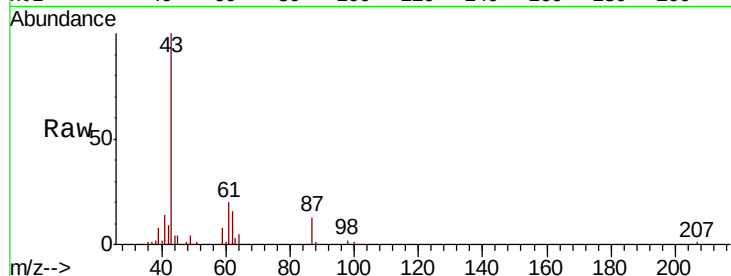
Tgt Ion: 43 Resp: 50312

Ion Ratio Lower Upper

43 100

61 30.9 24.1 36.1

87 11.9 9.8 14.8



#44

Trichloroethene

Concen: 20.969 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW005692.D

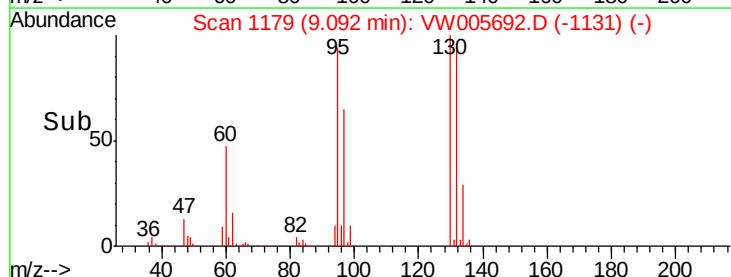
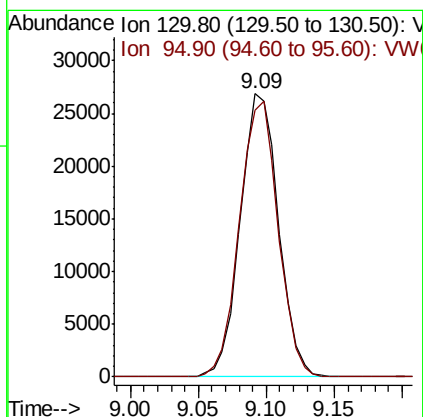
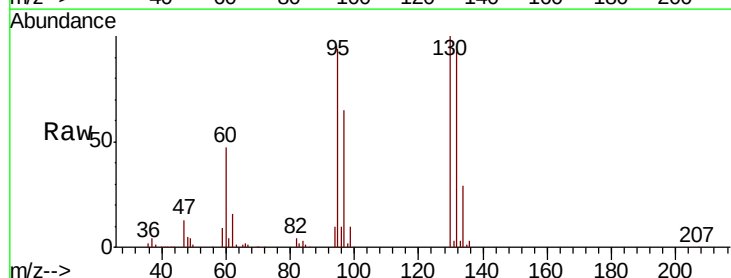
Acq: 27 Sep 2018 11:51

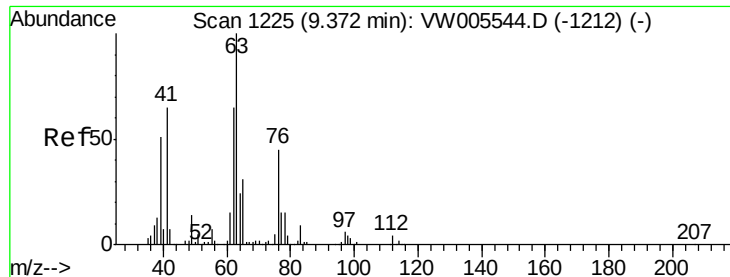
Tgt Ion: 130 Resp: 52777

Ion Ratio Lower Upper

130 100

95 94.2 0.0 191.2

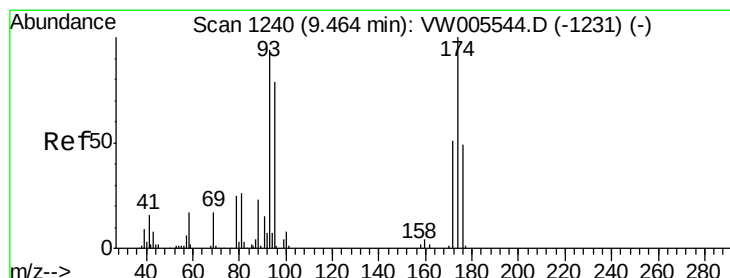
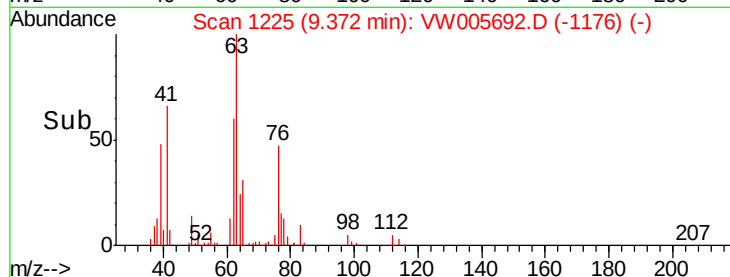
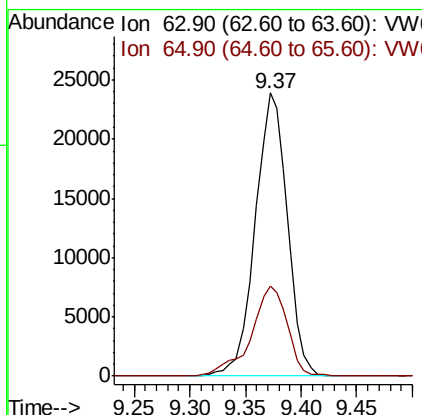
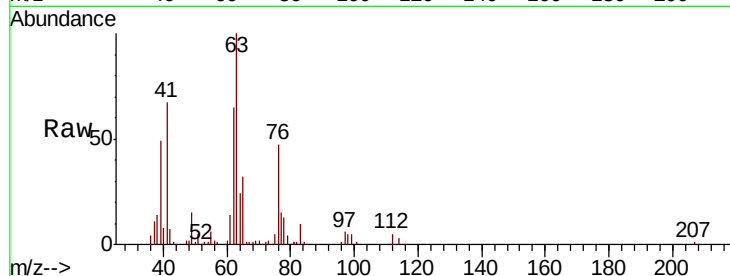




#45
 1,2-Dichloropropane
 Concen: 19.861 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

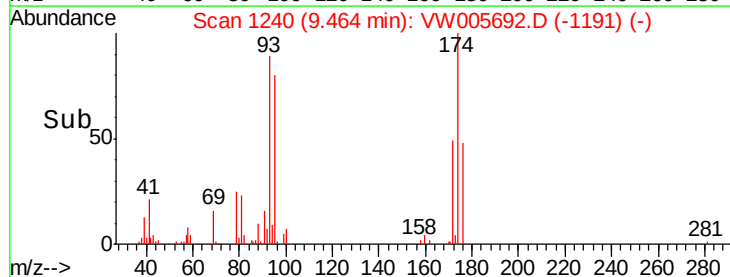
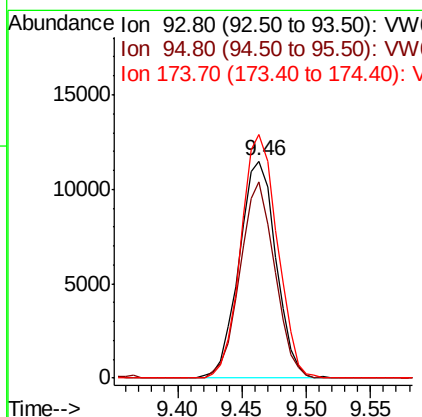
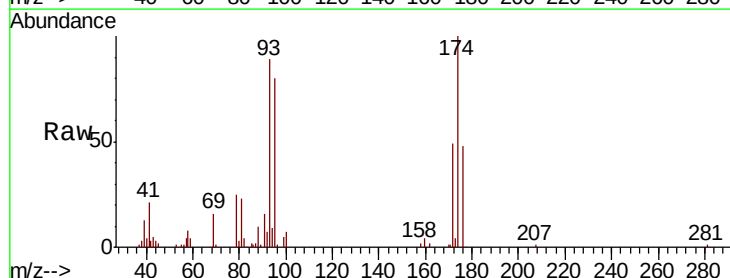
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

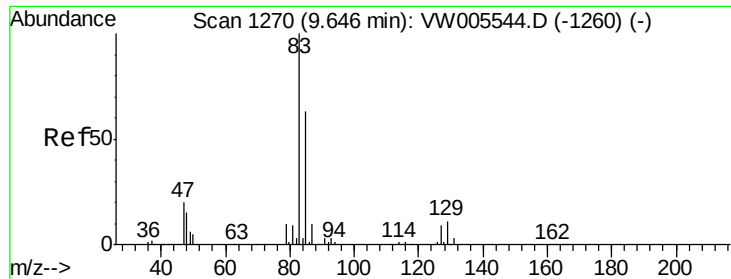
Tgt Ion: 63 Resp: 48045
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.7 37.1



#46
 Dibromomethane
 Concen: 18.798 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 93 Resp: 22721
 Ion Ratio Lower Upper
 93 100
 95 85.2 65.8 98.8
 174 110.8 84.0 126.0

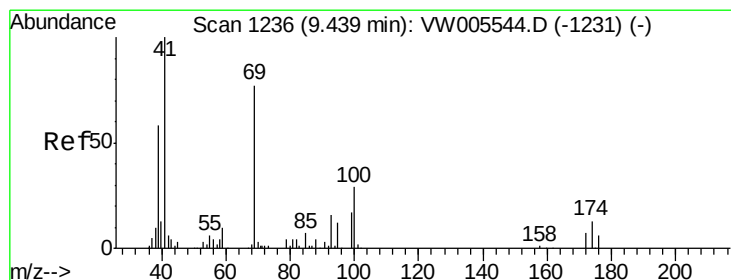
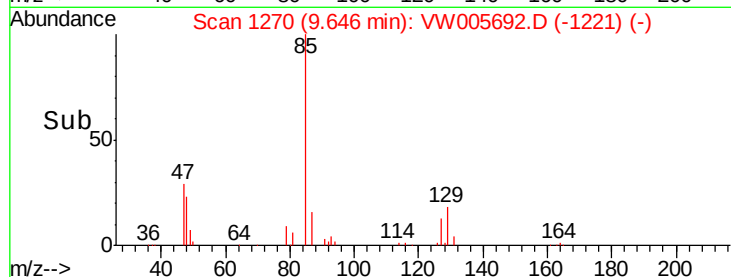
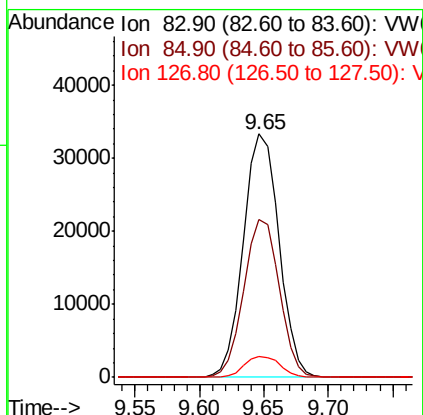
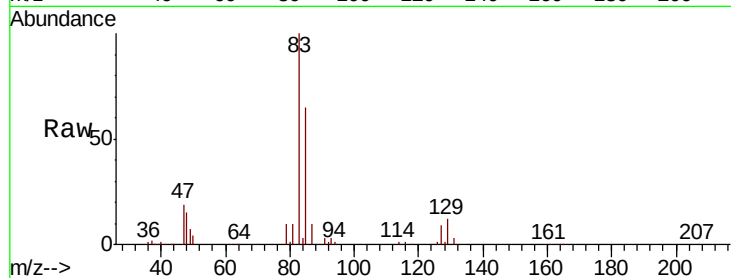




#47
 Bromodichloromethane
 Concen: 19.669 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

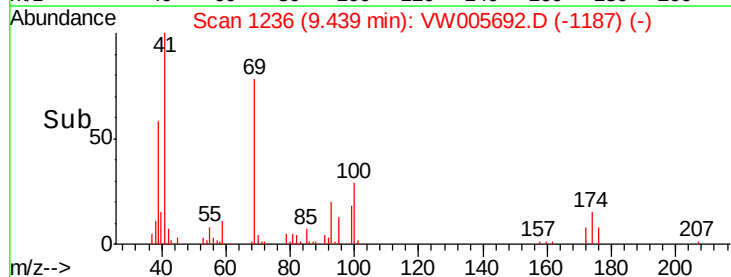
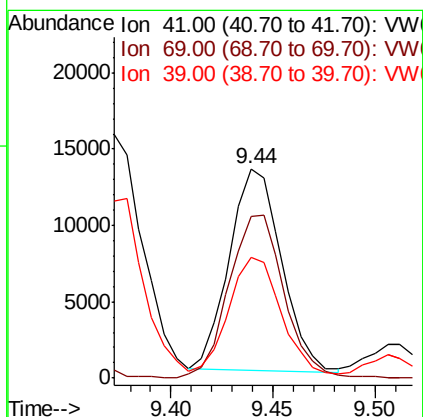
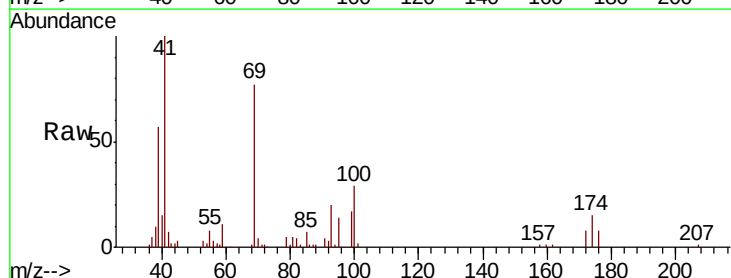
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

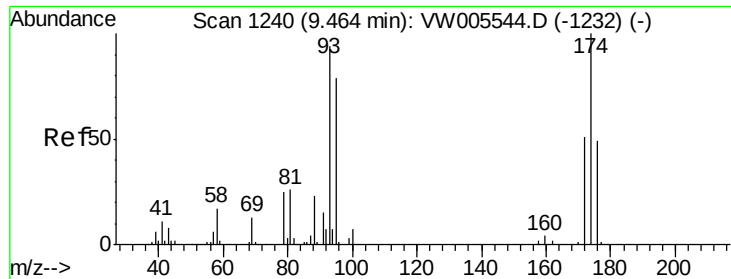
Tgt Ion: 83 Resp: 63863
 Ion Ratio Lower Upper
 83 100
 85 64.6 50.5 75.7
 127 8.6 7.0 10.6



#48
 Methyl methacrylate
 Concen: 17.240 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 41 Resp: 23512
 Ion Ratio Lower Upper
 41 100
 69 85.6 64.7 97.1
 39 61.3 50.5 75.7

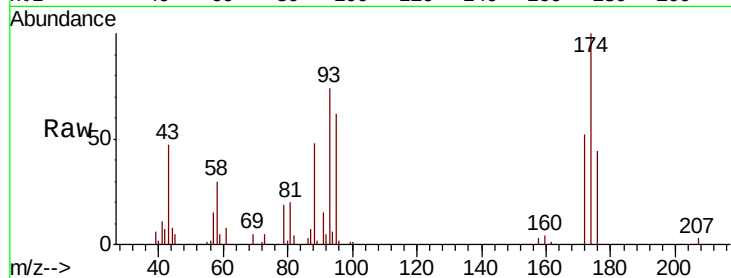




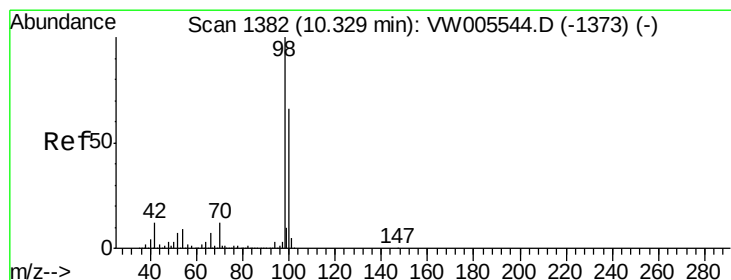
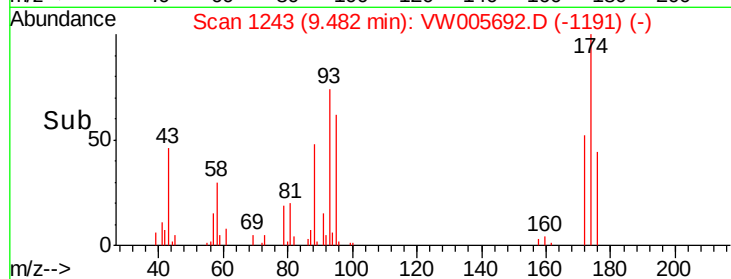
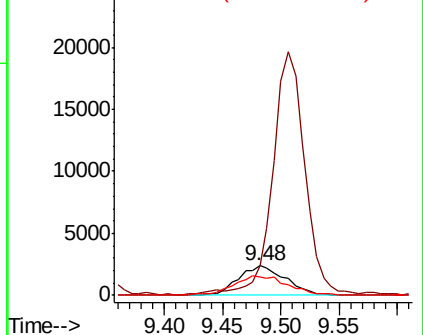
#49
1,4-Dioxane
Concen: 347.922 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.02 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tgt Ion: 88 Resp: 6686
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 76.2 61.2 91.8

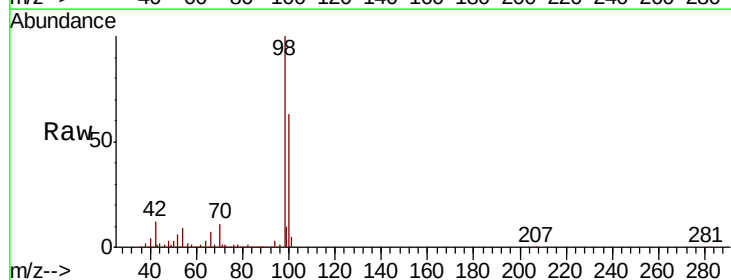


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

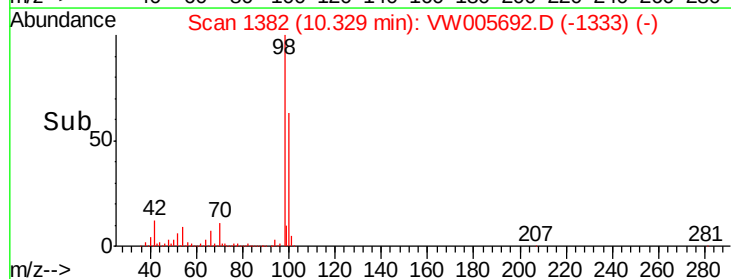
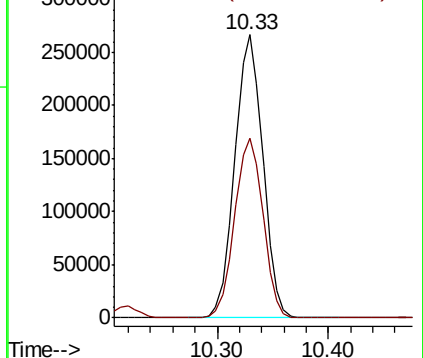


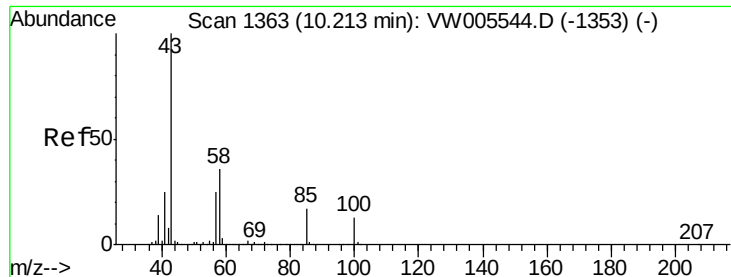
#50
Toluene-d8
Concen: 52.684 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 98 Resp: 465073
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



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

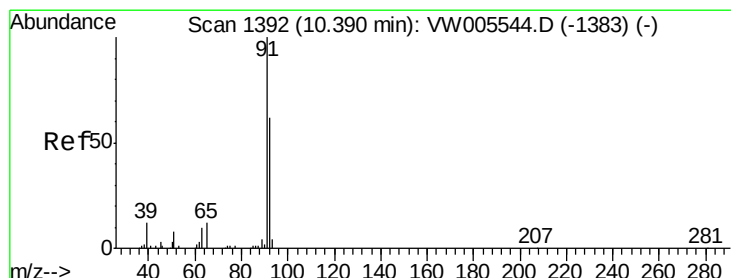
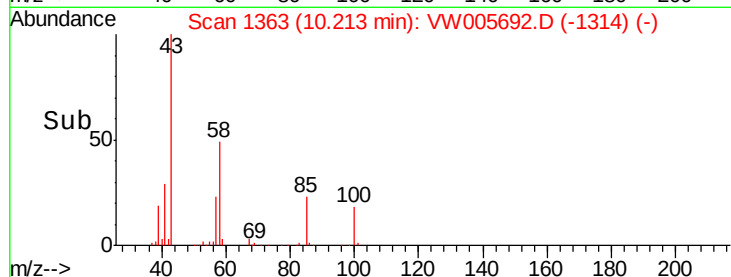
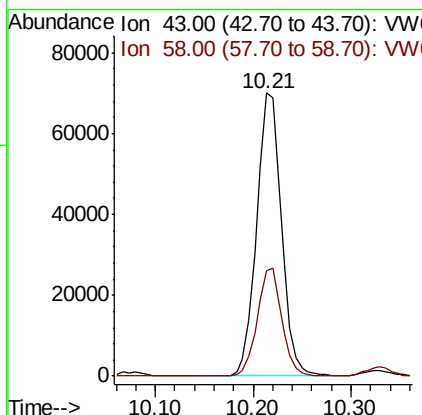
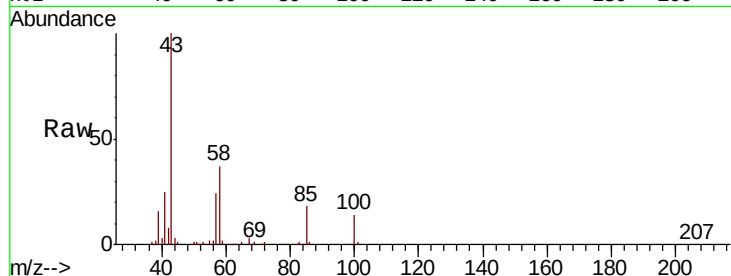




#51
 4-Methyl-2-Pentanone
 Concen: 86.200 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

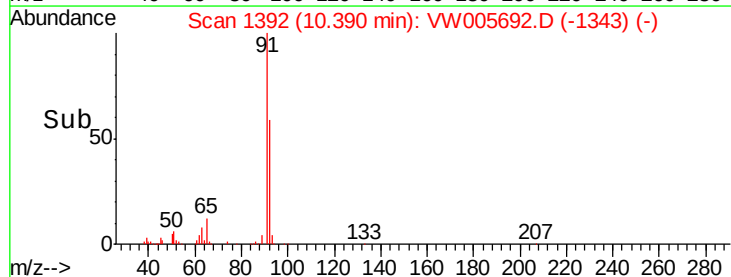
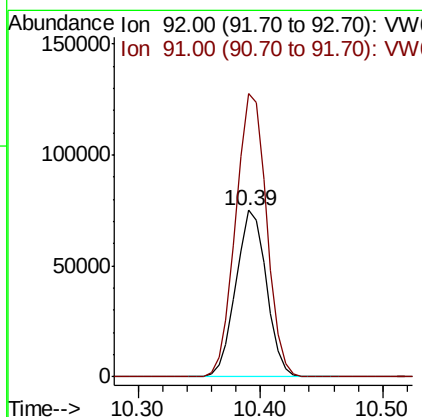
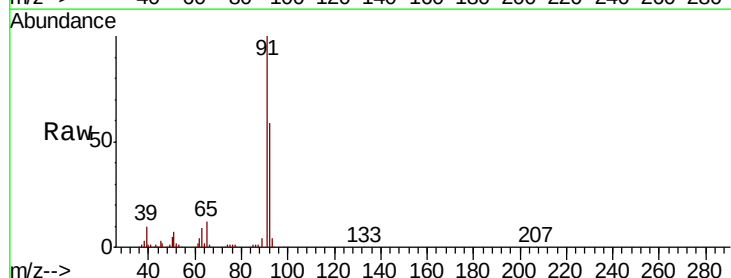
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

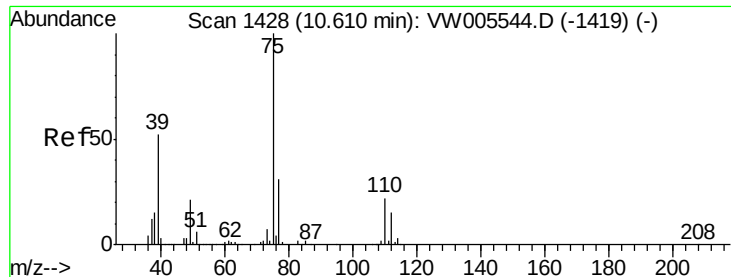
Tgt Ion: 43 Resp: 124663
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.0 45.0



#52
 Toluene
 Concen: 21.228 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 92 Resp: 130241
 Ion Ratio Lower Upper
 92 100
 91 171.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 19.791 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

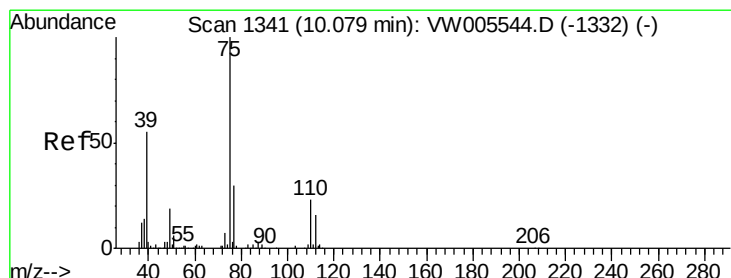
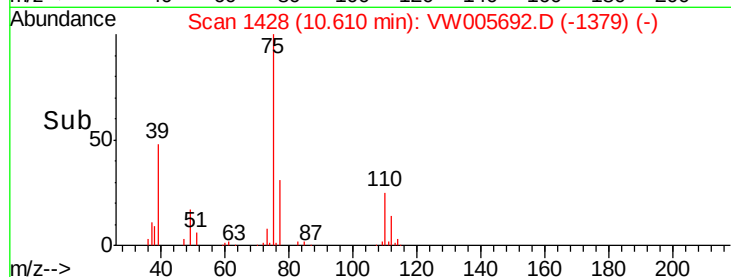
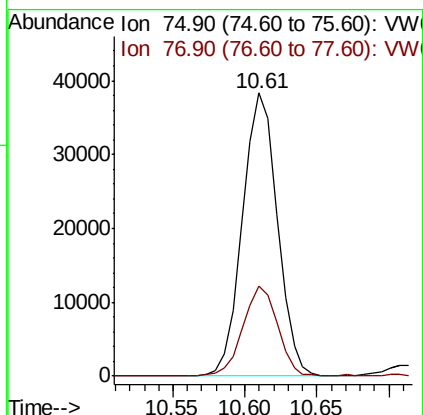
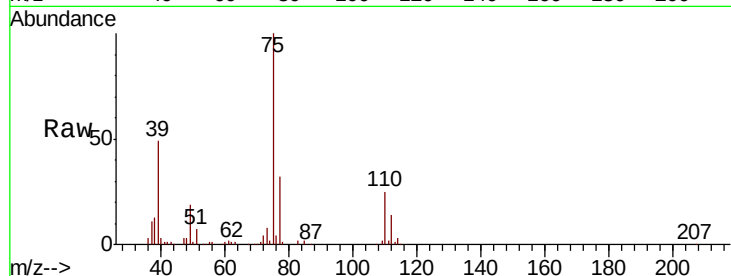
VW0927SBS01

Tgt Ion: 75 Resp: 64421

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.183 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

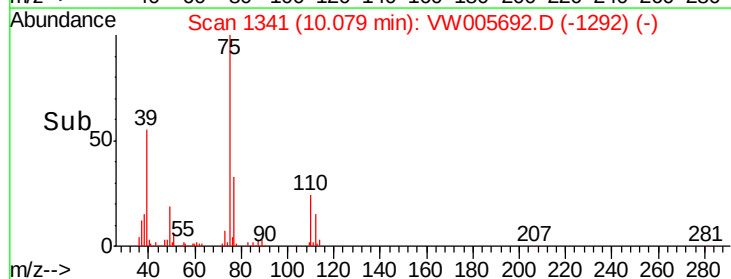
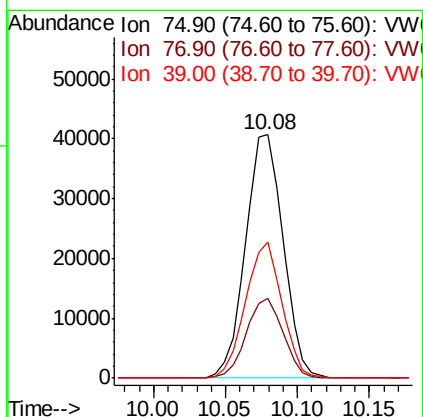
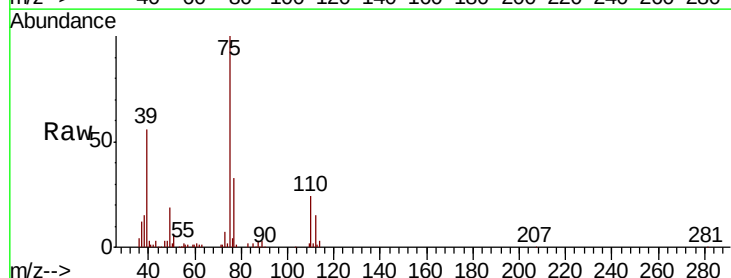
Tgt Ion: 75 Resp: 73609

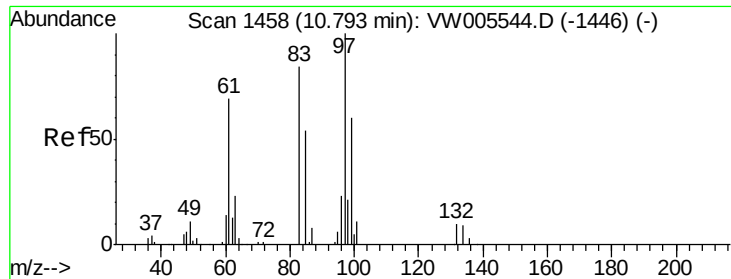
Ion Ratio Lower Upper

75 100

77 33.0 24.3 36.5

39 55.8 43.7 65.5

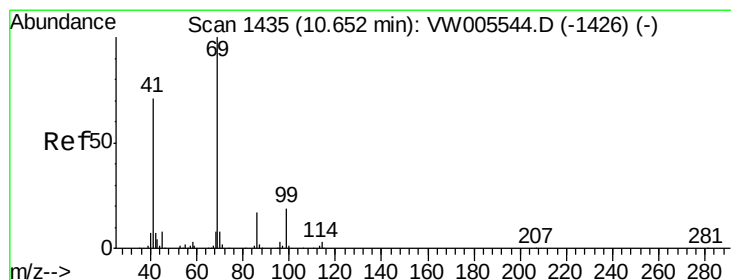
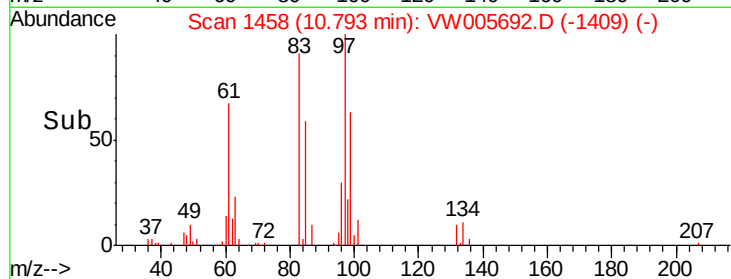
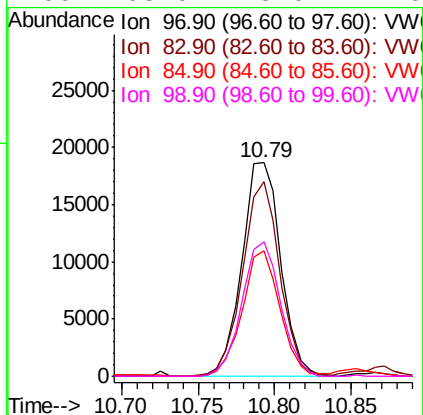
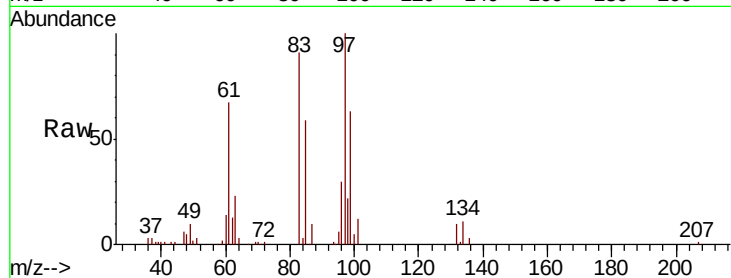




#55
 1,1,2-Trichloroethane
 Concen: 19.266 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

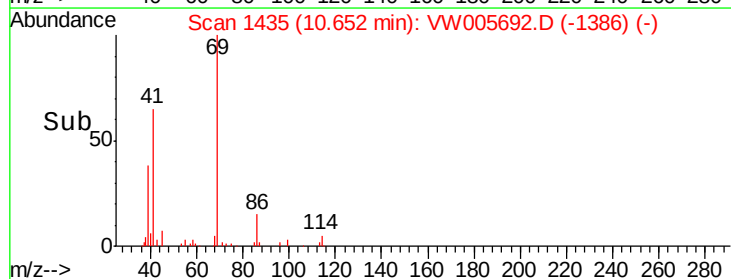
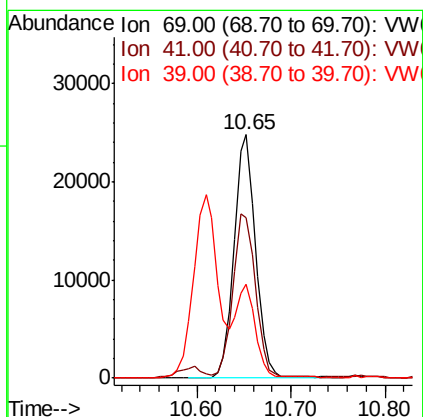
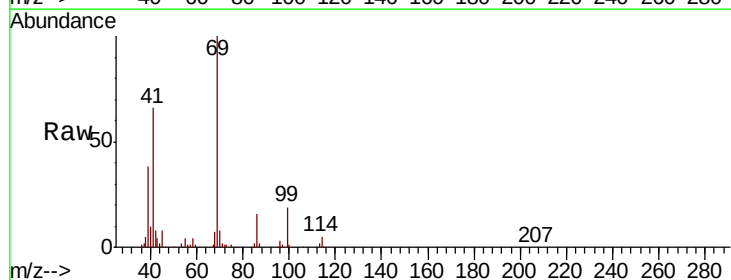
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

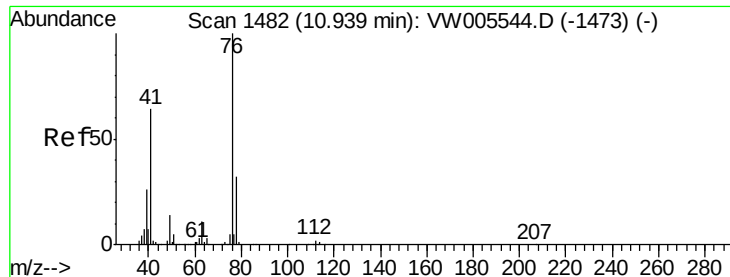
Tgt Ion:	97	Resp:	33055
Ion	Ratio	Lower	Upper
97	100		
83	90.8	67.4	101.2
85	59.0	43.3	64.9
99	63.0	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 18.597 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion:	69	Resp:	39388
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.3	85.9
39	35.3	29.2	43.8





#57

1,3-Dichloropropane

Concen: 19.040 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

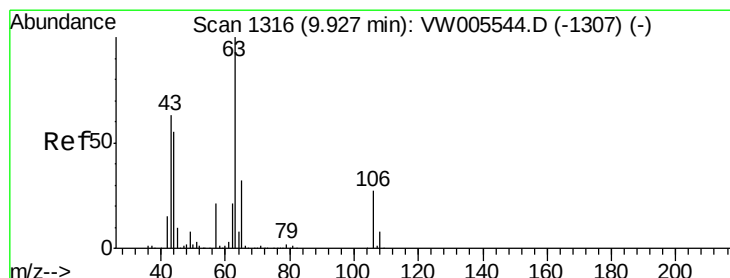
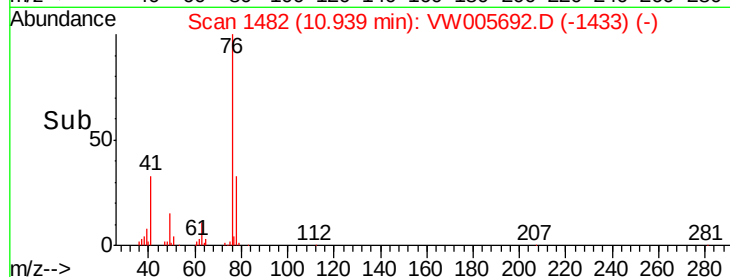
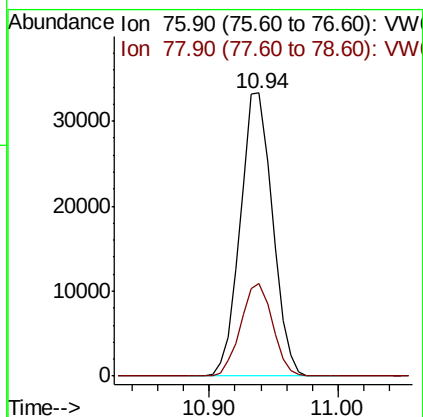
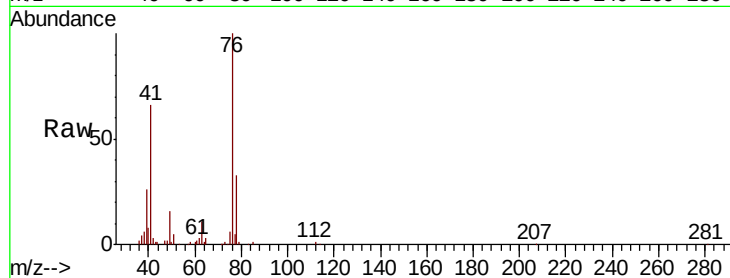
VW0927SBS01

Tgt Ion: 76 Resp: 57898

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 93.302 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW005692.D

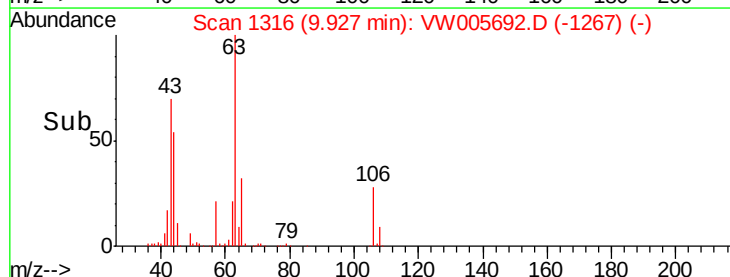
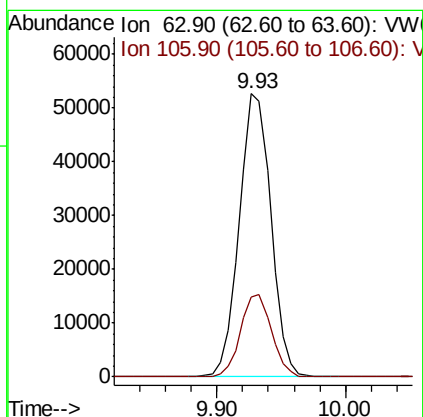
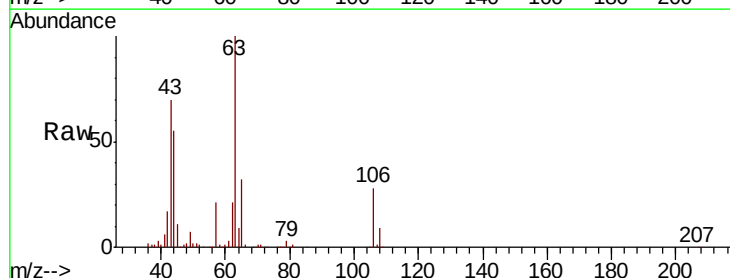
Acq: 27 Sep 2018 11:51

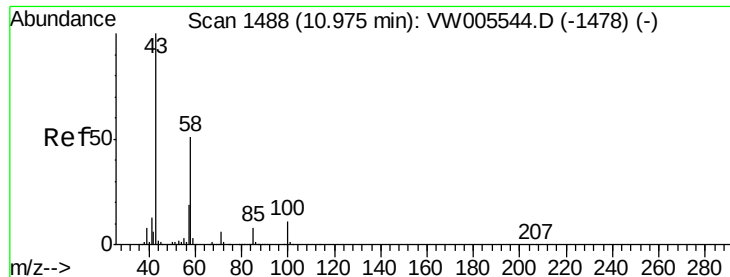
Tgt Ion: 63 Resp: 89579

Ion Ratio Lower Upper

63 100

106 28.6 21.6 32.4

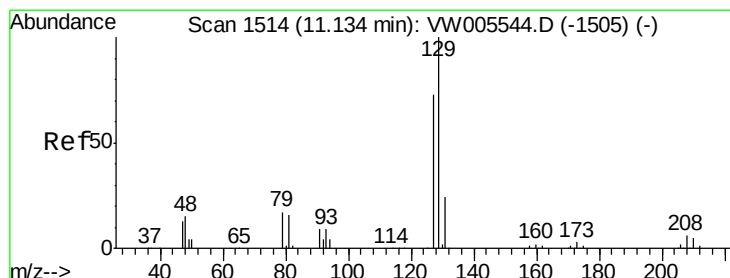
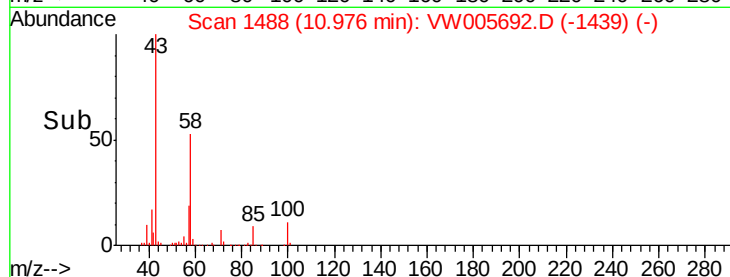
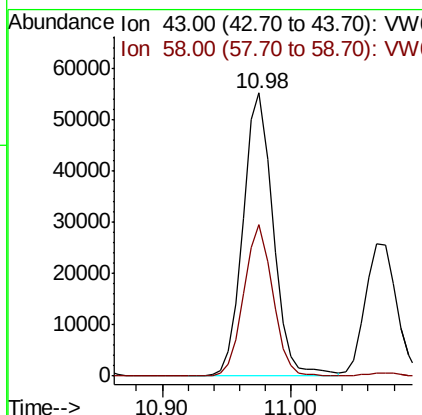
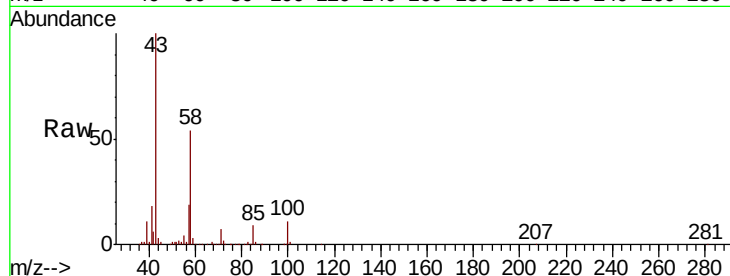




#59
2-Hexanone
Concen: 90.899 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

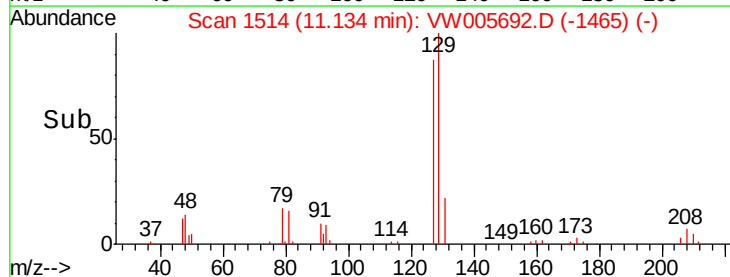
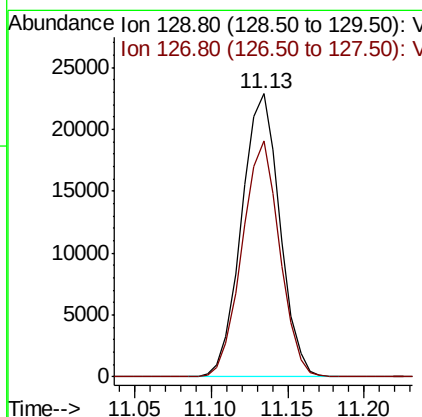
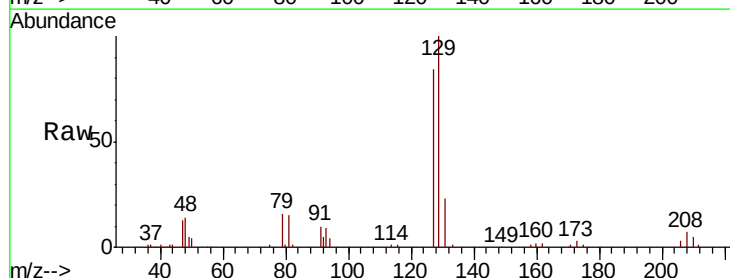
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

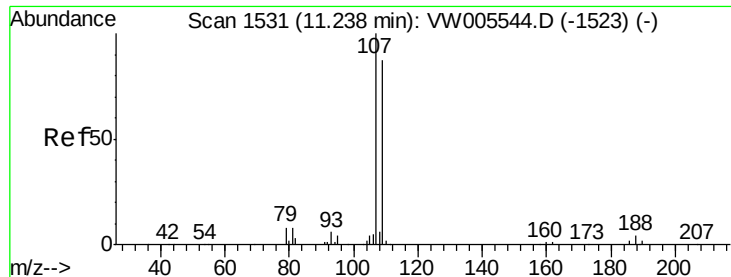
Tgt Ion: 43 Resp: 89303
Ion Ratio Lower Upper
43 100
58 51.4 25.3 75.9



#60
Dibromochloromethane
Concen: 19.231 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 129 Resp: 39867
Ion Ratio Lower Upper
129 100
127 81.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.235 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

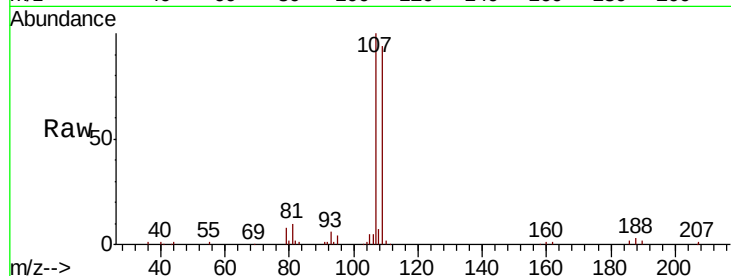
VW0927SBS01

Tgt Ion: 107 Resp: 30770

Ion Ratio Lower Upper

107 100

109 93.1 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

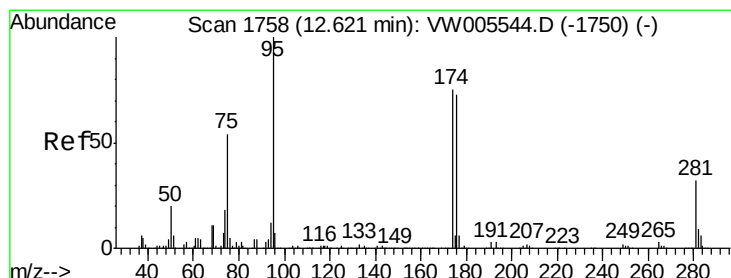
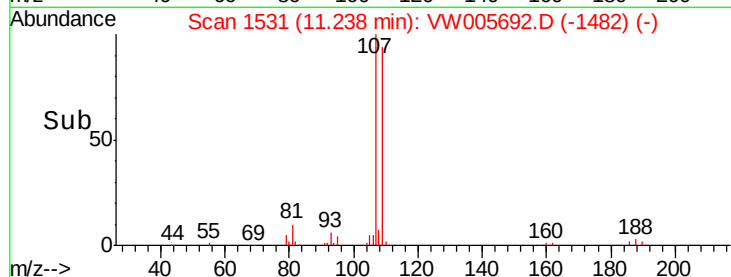
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 52.567 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

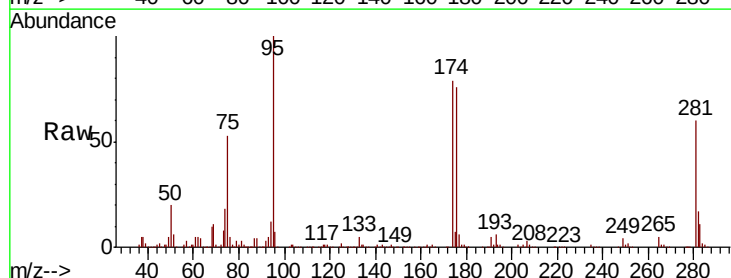
Tgt Ion: 95 Resp: 171705

Ion Ratio Lower Upper

95 100

174 82.3 0.0 163.8

176 79.8 0.0 158.0



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

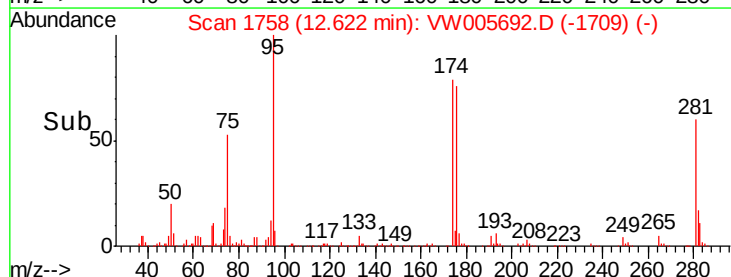
12.62

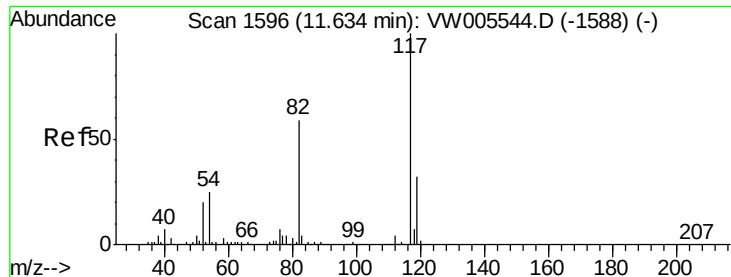
100000

50000

0

Time--> 12.60 12.70

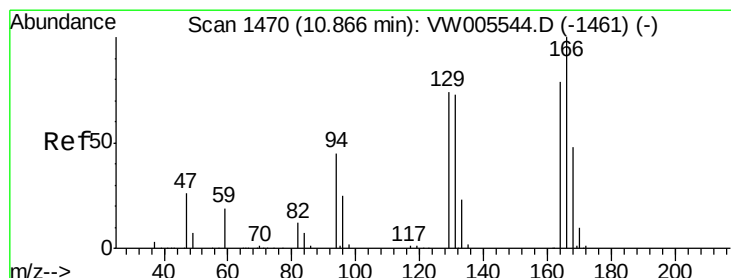
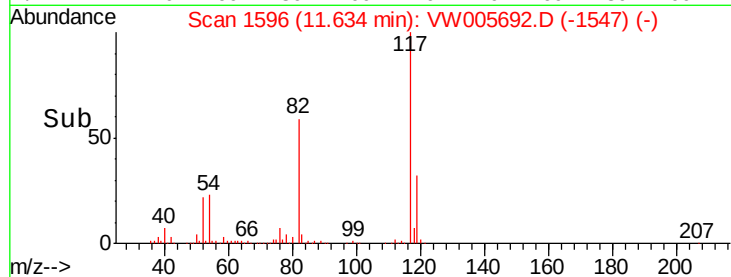
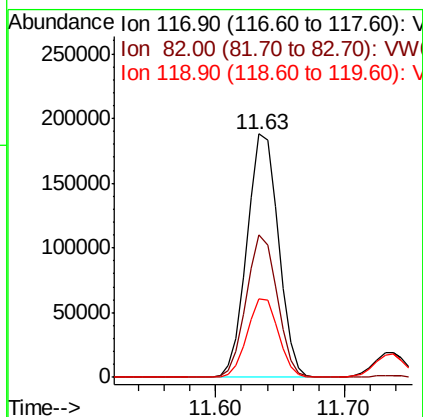
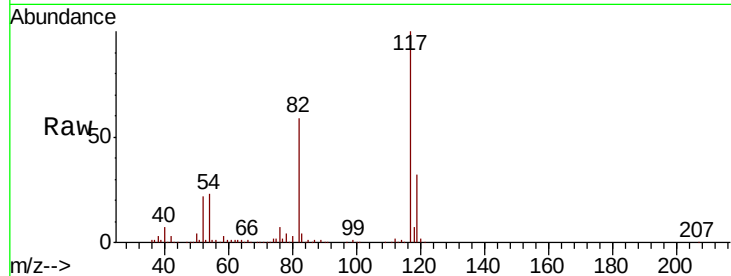




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

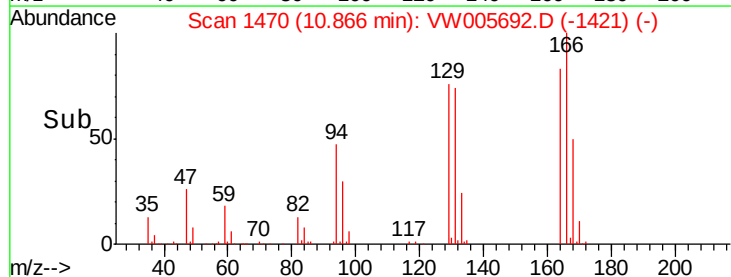
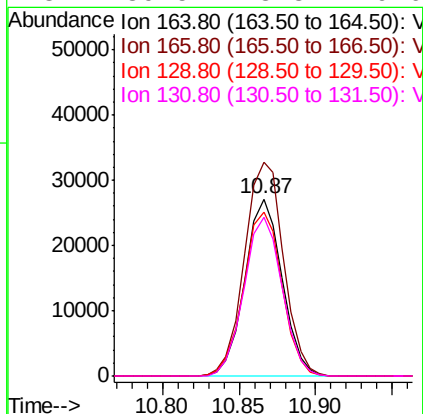
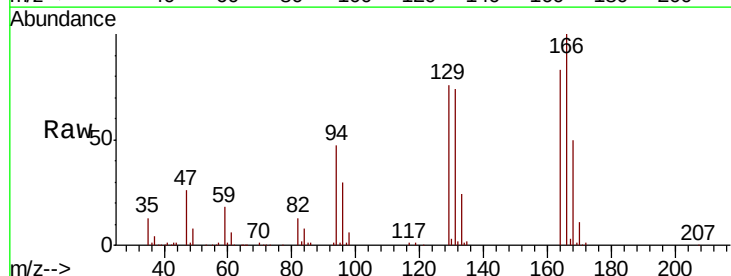
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

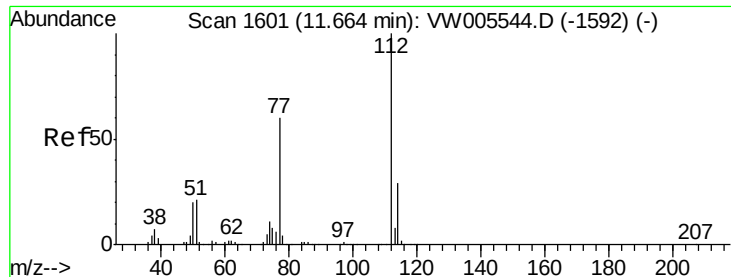
Tgt Ion:117 Resp: 317040
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 20.417 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion:164 Resp: 45942
Ion Ratio Lower Upper
164 100
166 120.6 101.1 151.7
129 92.2 74.4 111.6
131 89.5 73.8 110.6





#65

Chlorobenzene

Concen: 20.977 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

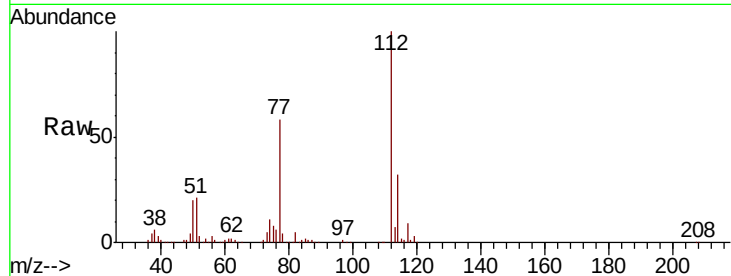
VW0927SBS01

Tgt Ion:112 Resp: 141186

Ion Ratio Lower Upper

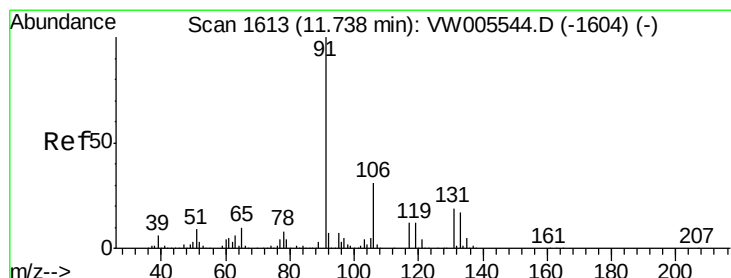
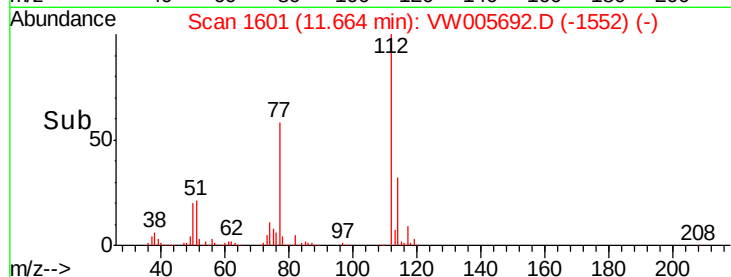
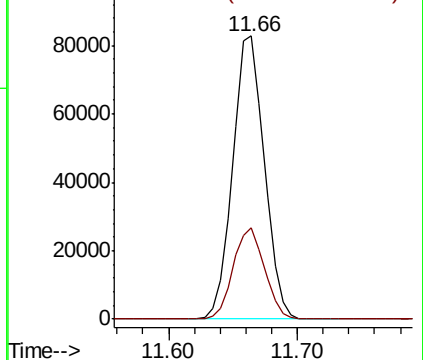
112 100

114 32.3 22.9 34.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.282 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

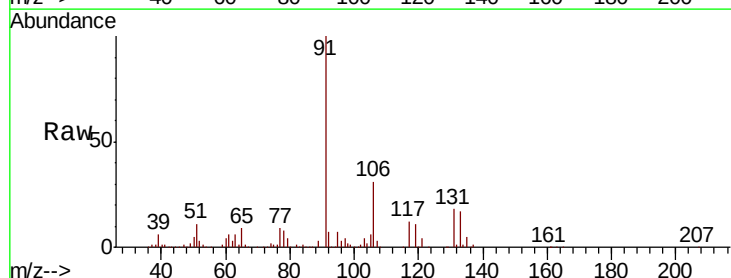
Tgt Ion:131 Resp: 49129

Ion Ratio Lower Upper

131 100

133 96.7 47.2 141.6

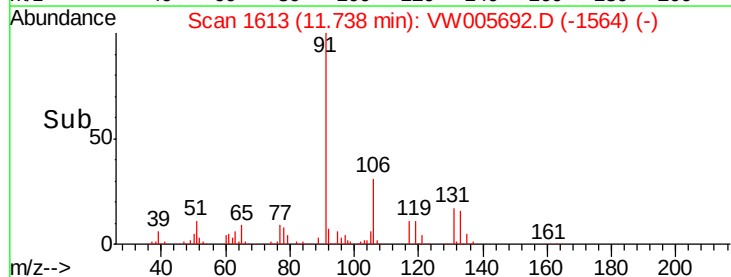
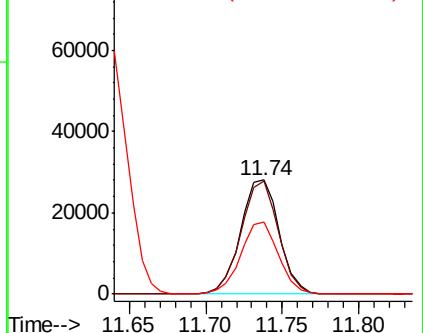
119 62.2 31.1 93.2

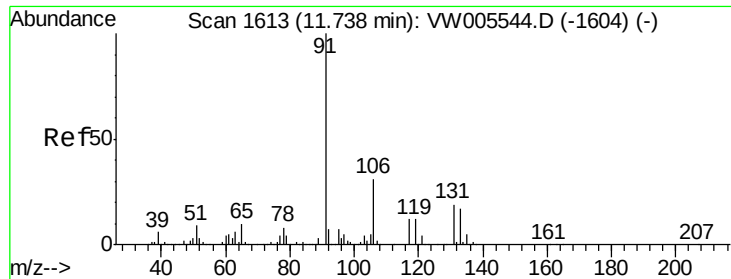


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

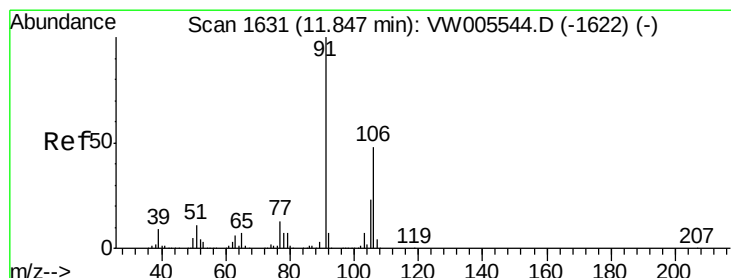
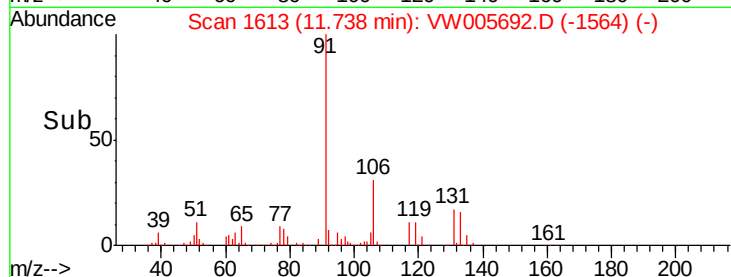
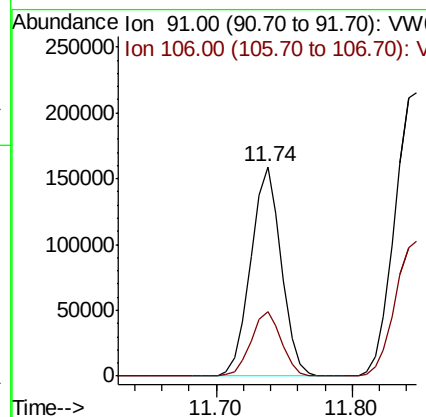
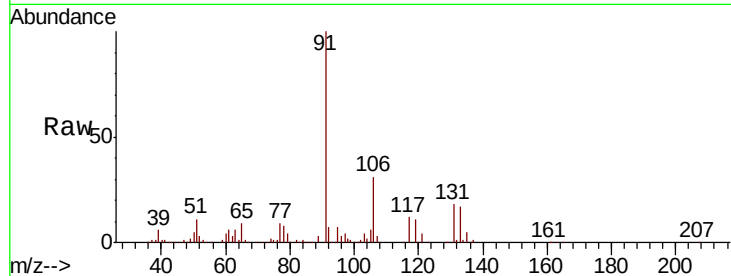




#67
Ethyl Benzene
Concen: 20.920 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

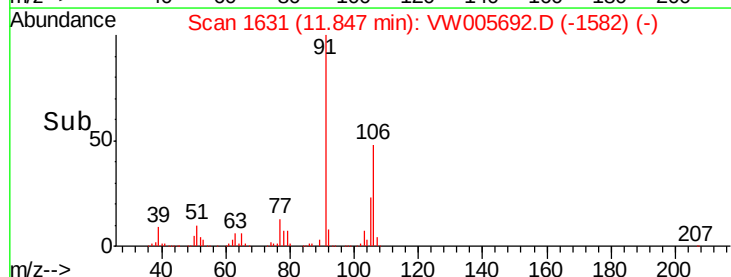
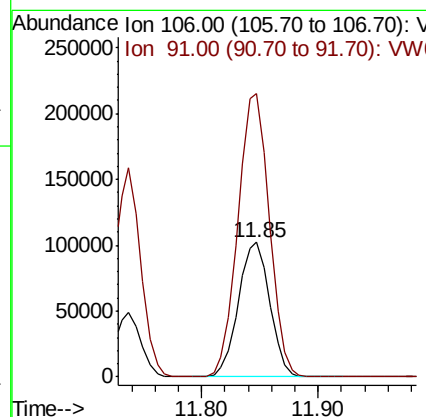
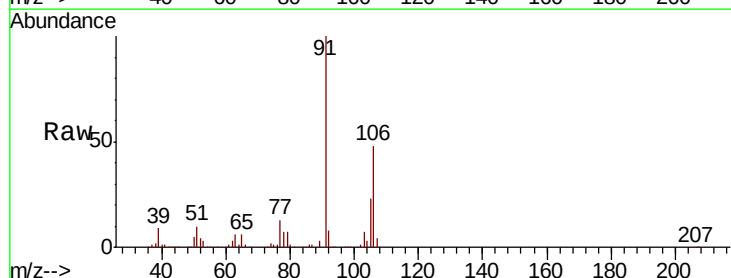
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

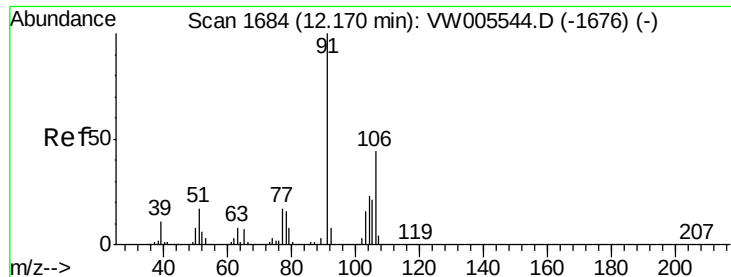
Tgt Ion: 91 Resp: 249918
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6



#68
m/p-Xylenes
Concen: 42.551 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 106 Resp: 192049
Ion Ratio Lower Upper
106 100
91 210.5 167.8 251.8

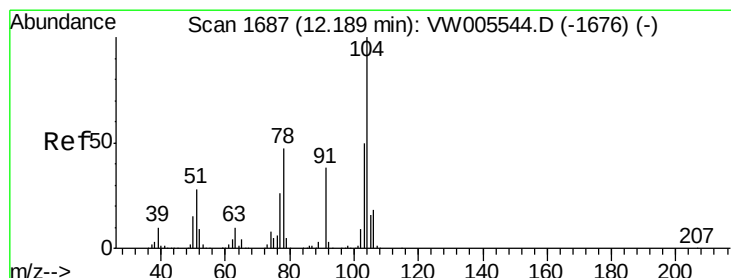
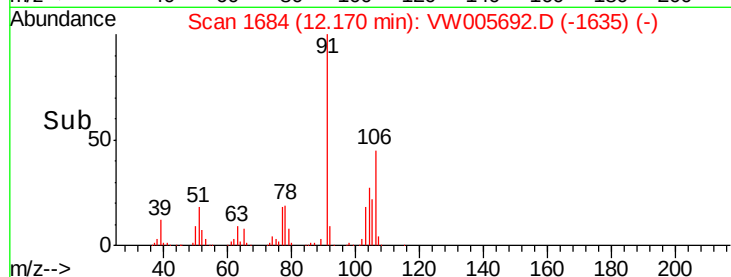
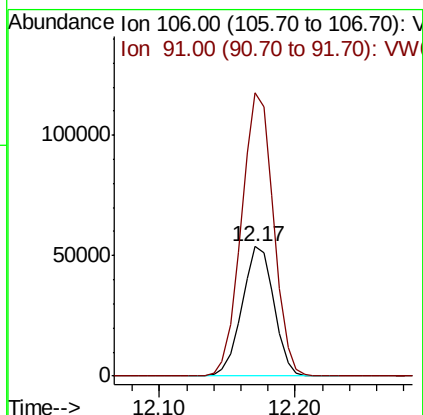
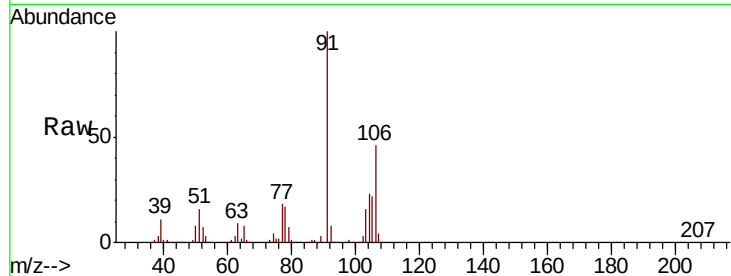




#69
o-Xylene
Concen: 20.876 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

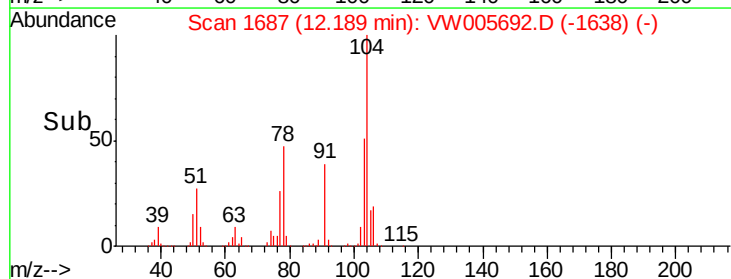
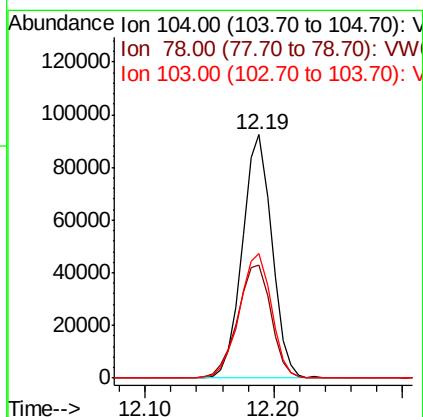
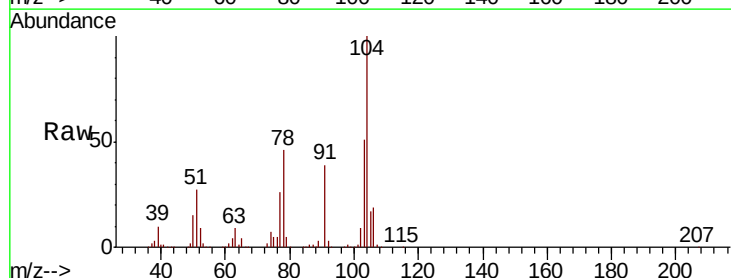
Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

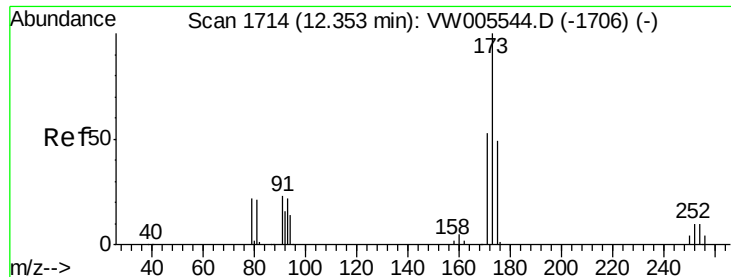
Tgt Ion:106 Resp: 88242
Ion Ratio Lower Upper
106 100
91 219.7 111.0 333.0



#70
Styrene
Concen: 20.600 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion:104 Resp: 146537
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.4
103 56.0 44.6 66.8





#71

Bromoform

Concen: 19.099 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

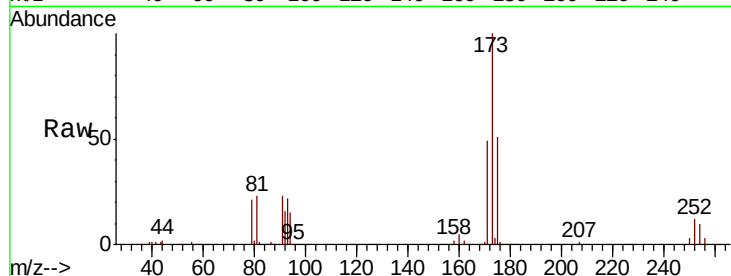
Tgt Ion:173 Resp: 24558

Ion Ratio Lower Upper

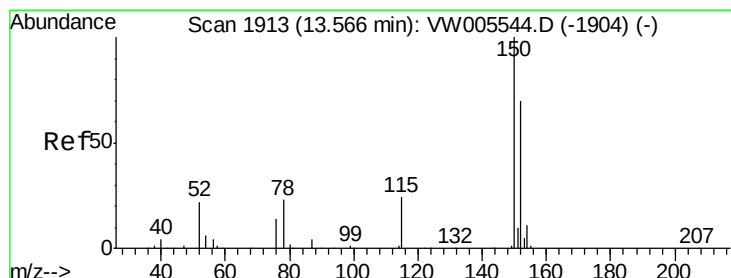
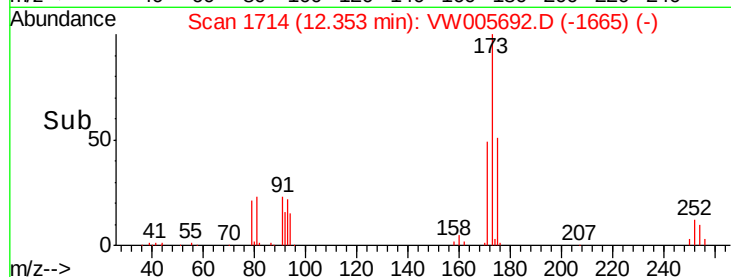
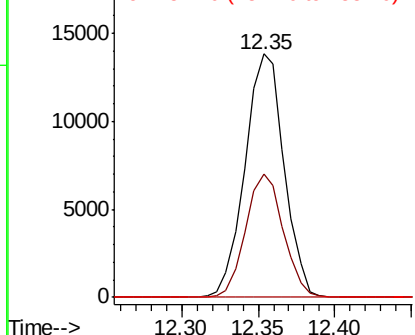
173 100

175 48.6 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

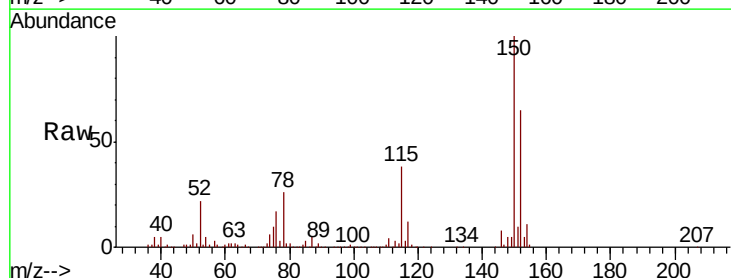
Tgt Ion:152 Resp: 172763

Ion Ratio Lower Upper

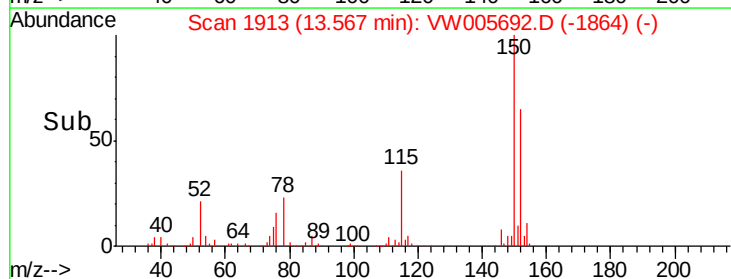
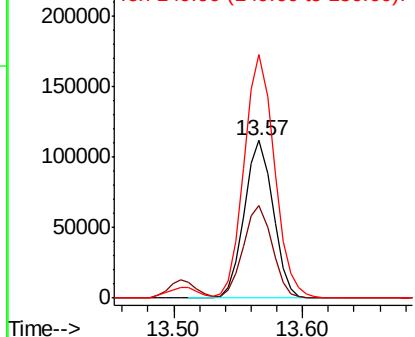
152 100

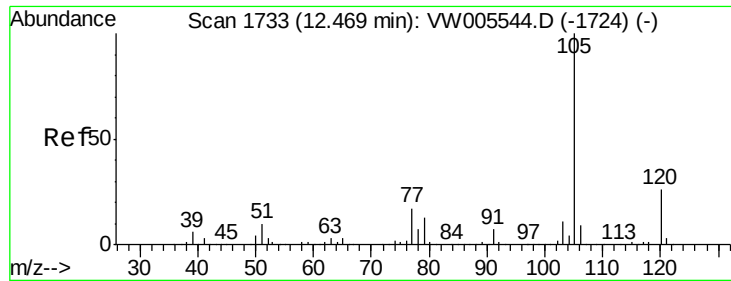
115 59.0 30.0 90.0

150 162.5 0.0 348.6



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: 21.482 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

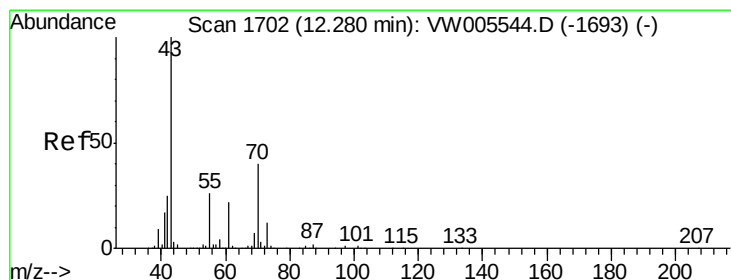
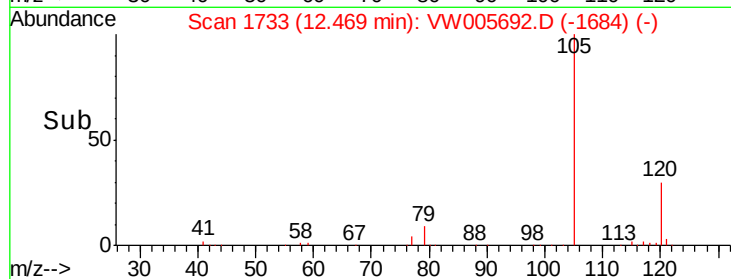
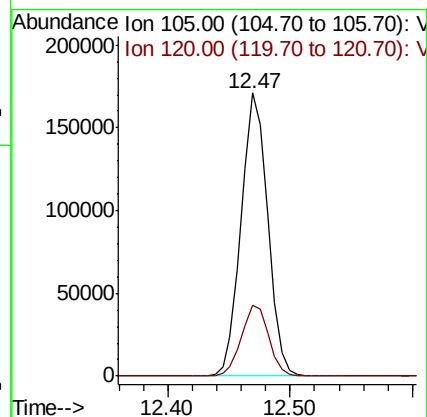
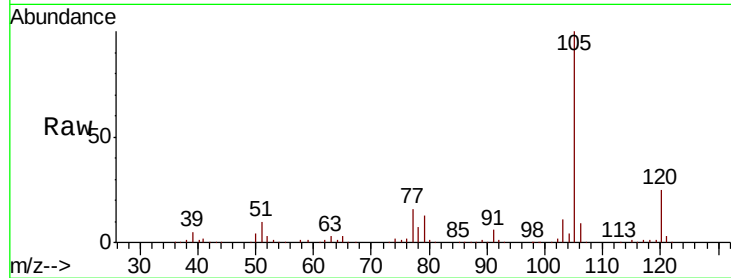
VW0927SBS01

Tgt Ion:105 Resp: 257371

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 17.427 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion: 43 Resp: 47277

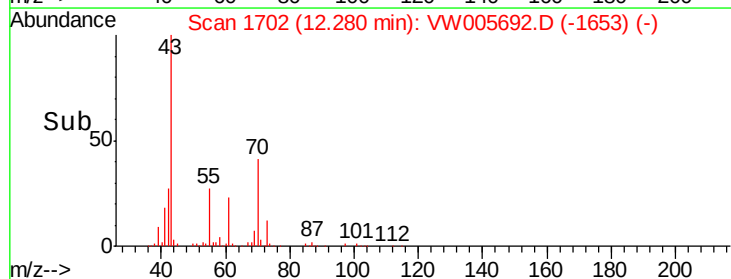
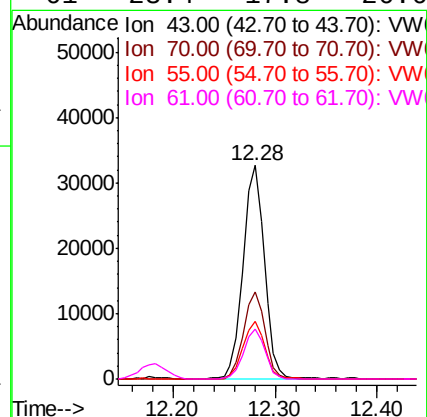
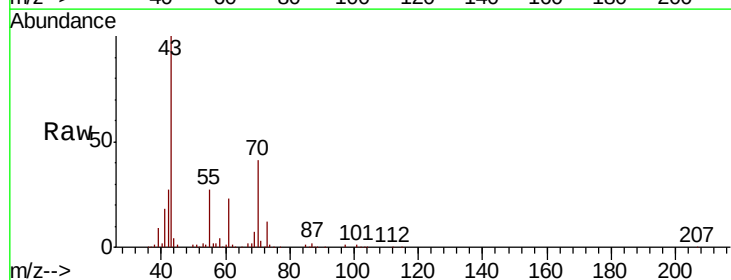
Ion Ratio Lower Upper

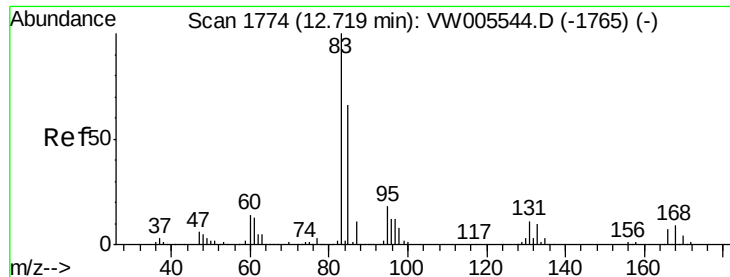
43 100

70 40.8 31.4 47.0

55 27.5 20.9 31.3

61 23.4 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.297 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

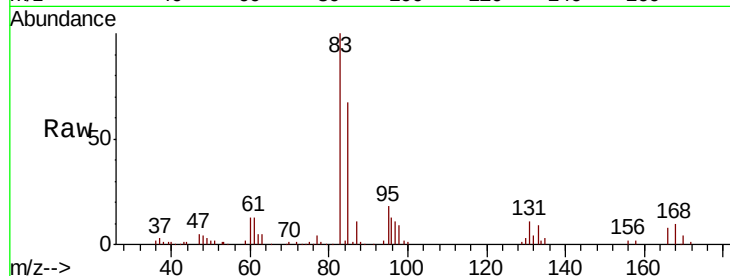
Tgt Ion: 83 Resp: 36412

Ion Ratio Lower Upper

83 100

131 12.2 5.5 16.7

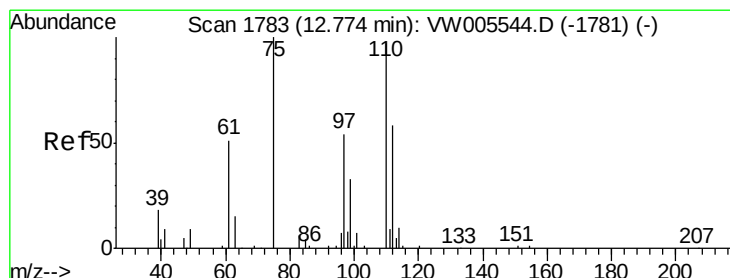
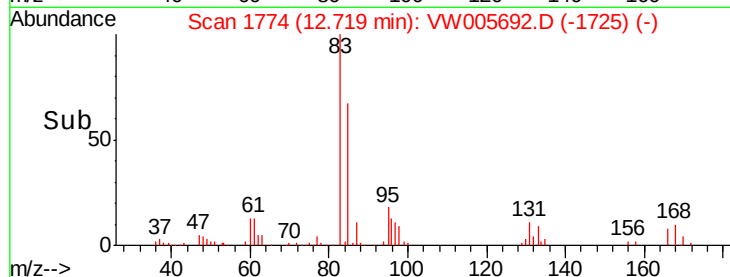
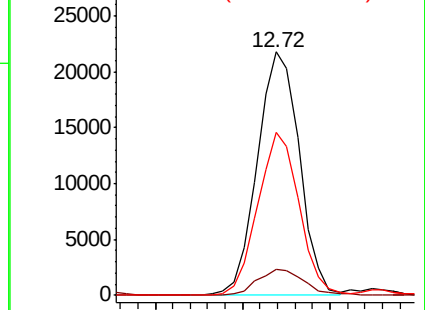
85 65.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.653 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005692.D

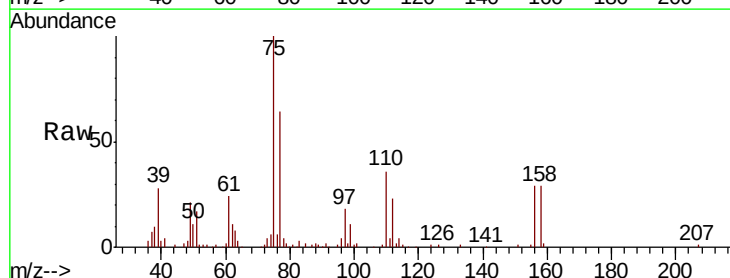
Acq: 27 Sep 2018 11:51

Tgt Ion: 75 Resp: 52506

Ion Ratio Lower Upper

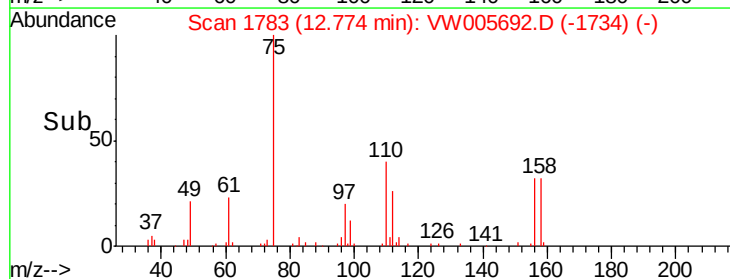
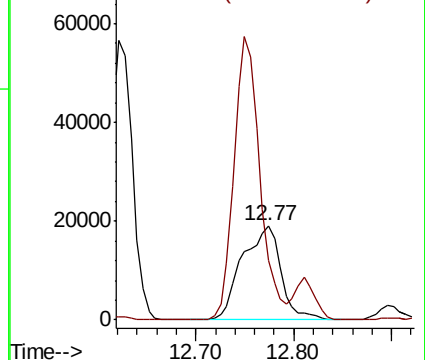
75 100

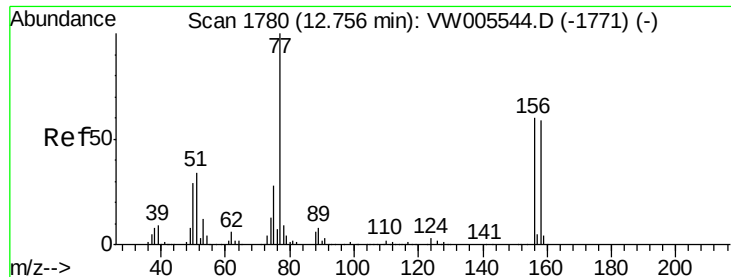
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.754 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

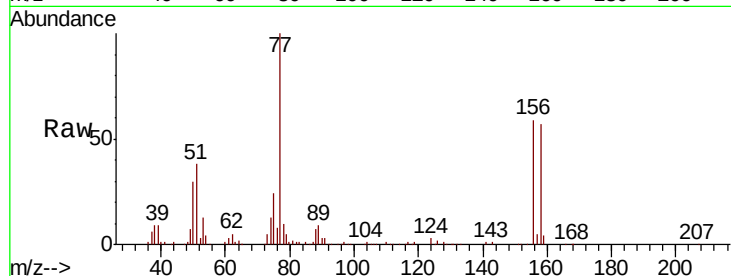
Tgt Ion:156 Resp: 58279

Ion Ratio Lower Upper

156 100

77 181.3 94.7 284.1

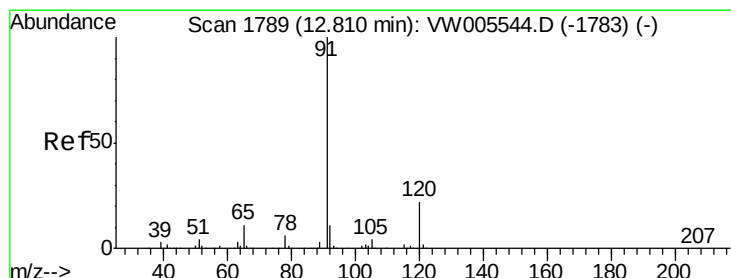
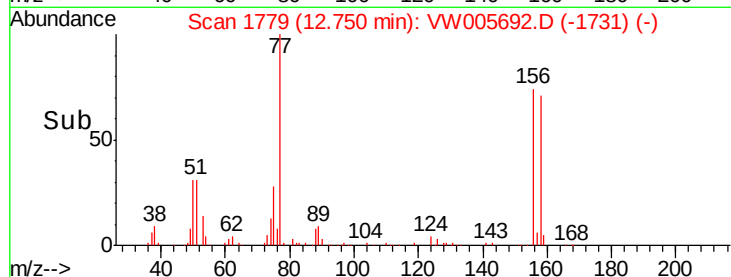
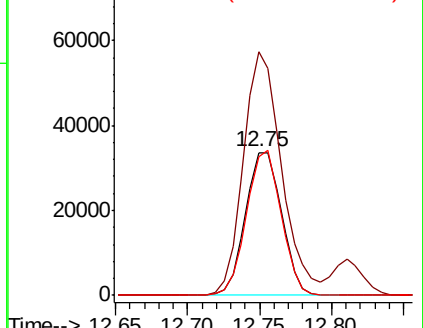
158 97.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.581 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005692.D

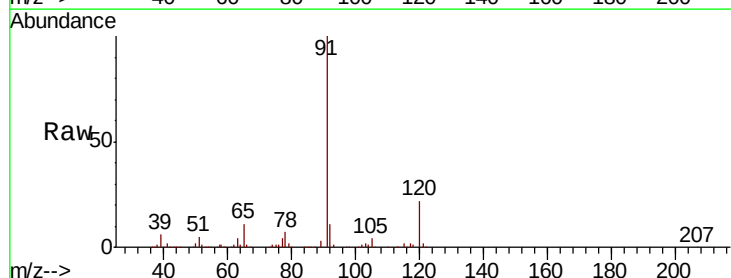
Acq: 27 Sep 2018 11:51

Tgt Ion: 91 Resp: 313030

Ion Ratio Lower Upper

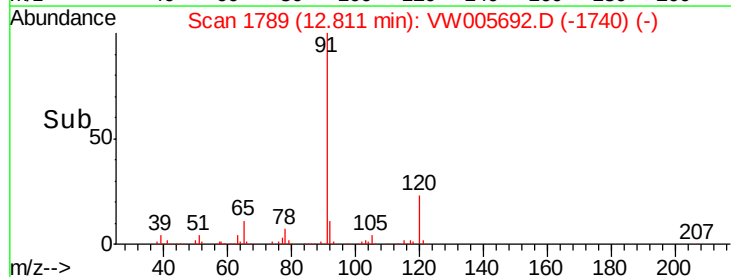
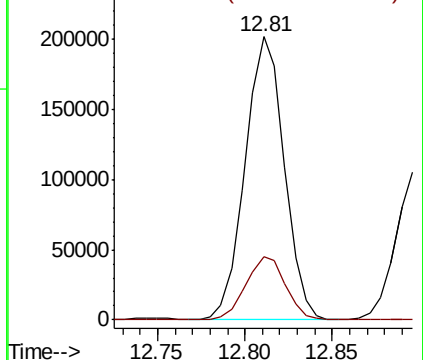
91 100

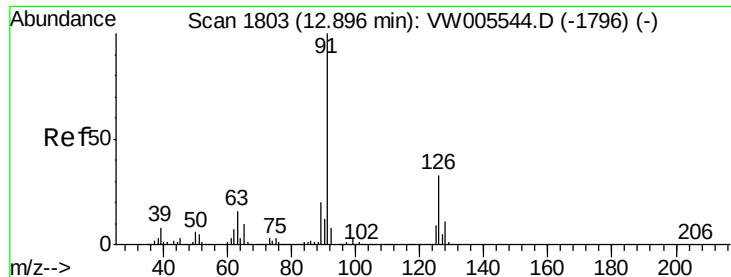
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.996 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

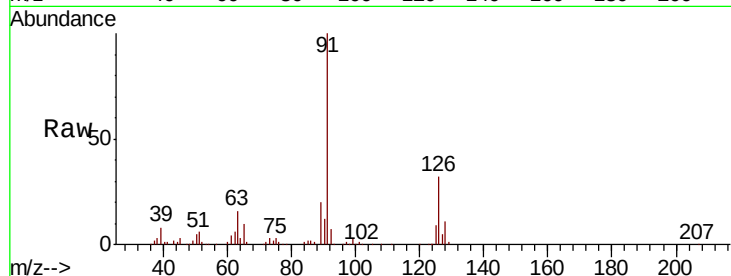
VW0927SBS01

Tgt Ion: 91 Resp: 176199

Ion Ratio Lower Upper

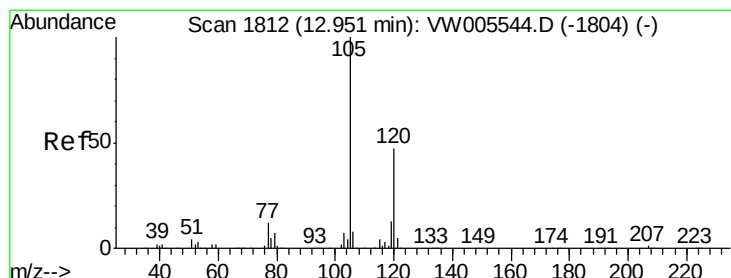
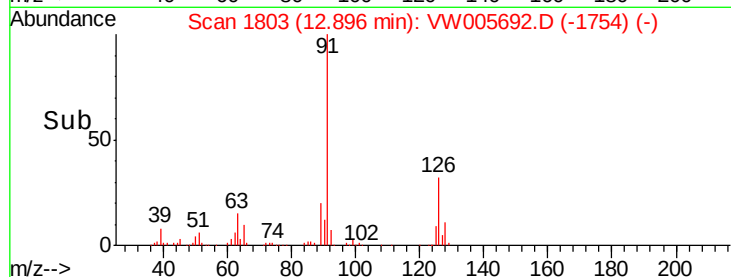
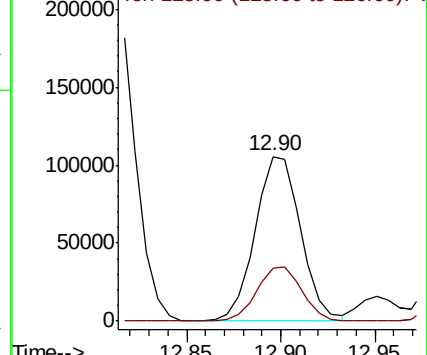
91 100

126 32.6 16.4 49.1



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: 21.519 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005692.D

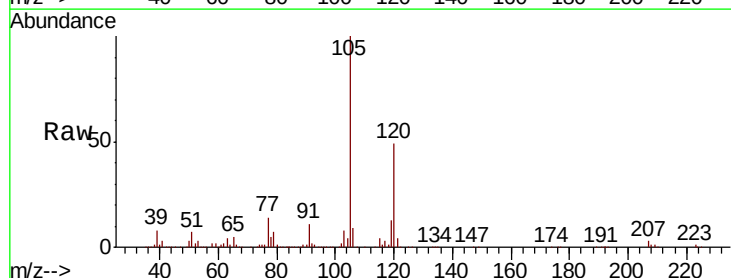
Acq: 27 Sep 2018 11:51

Tgt Ion: 105 Resp: 224180

Ion Ratio Lower Upper

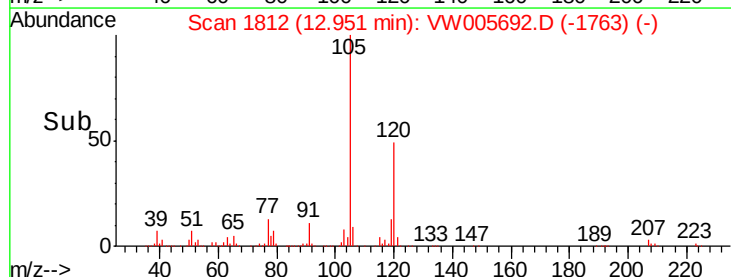
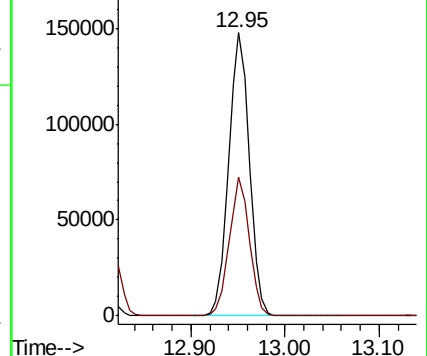
105 100

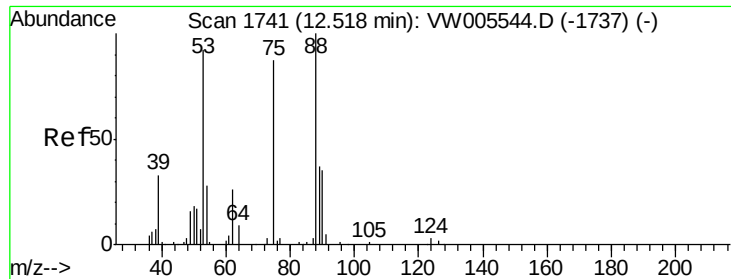
120 47.9 23.6 70.8



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: 17.761 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

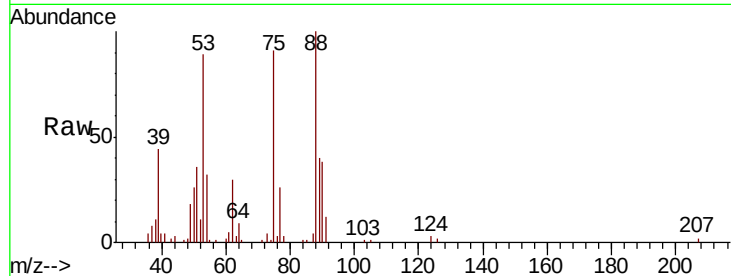
Tgt Ion: 75 Resp: 11613

Ion Ratio Lower Upper

75 100

53 104.0 85.8 128.6

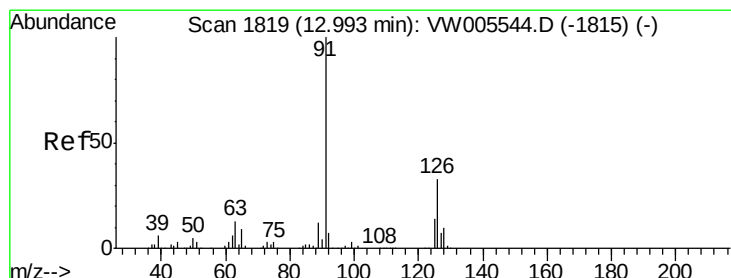
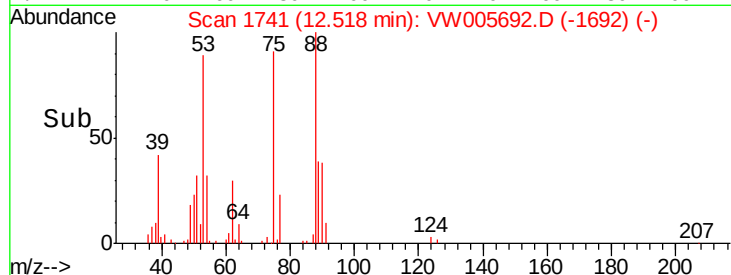
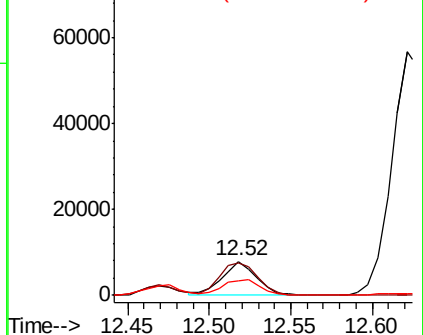
89 49.4 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.342 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005692.D

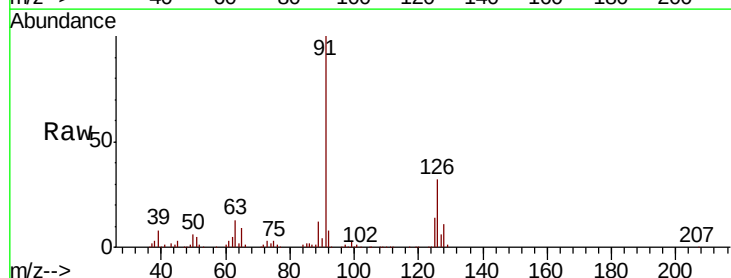
Acq: 27 Sep 2018 11:51

Tgt Ion: 91 Resp: 189228

Ion Ratio Lower Upper

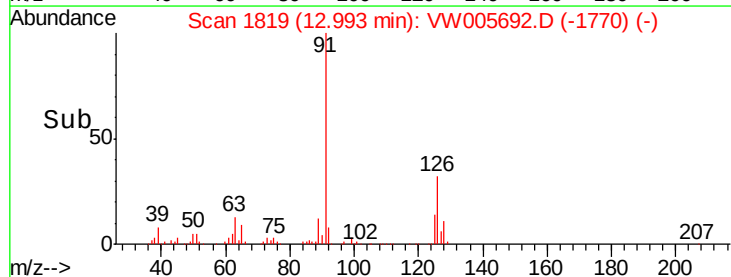
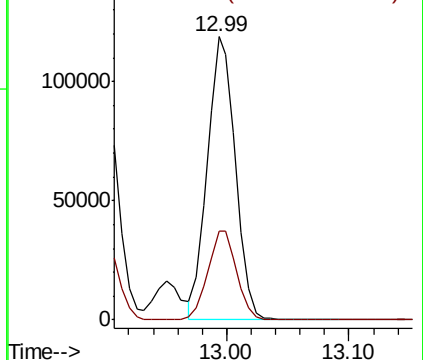
91 100

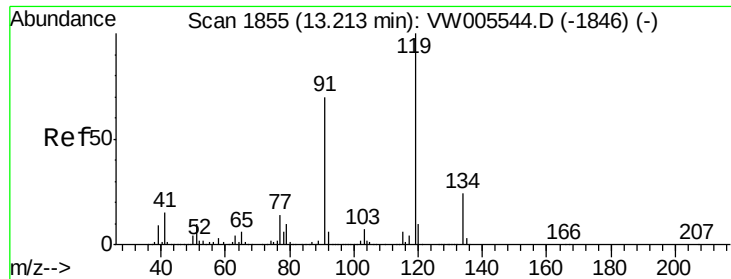
126 32.4 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.658 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

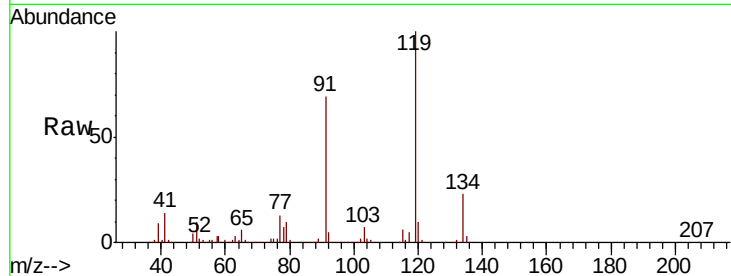
Tgt Ion:119 Resp: 189556

Ion Ratio Lower Upper

119 100

91 68.6 34.6 103.8

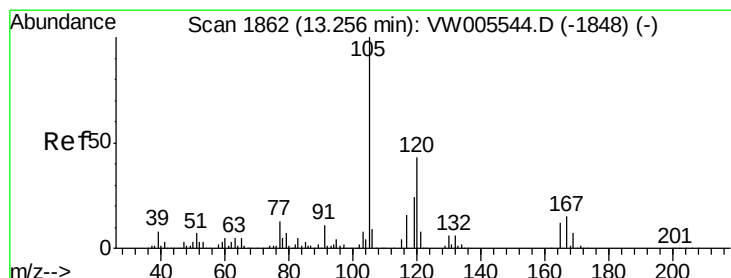
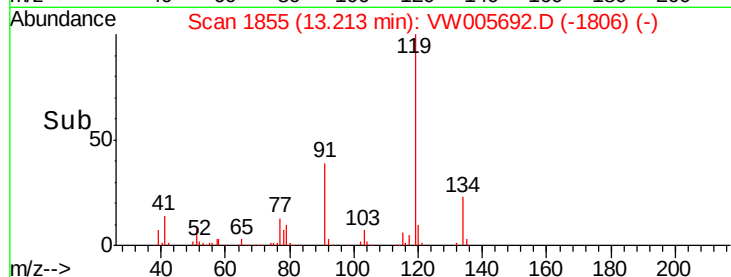
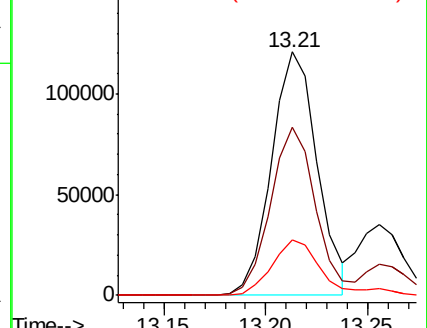
134 25.2 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.913 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW005692.D

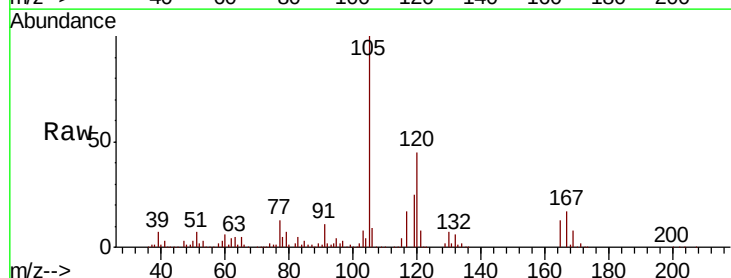
Acq: 27 Sep 2018 11:51

Tgt Ion:105 Resp: 230368

Ion Ratio Lower Upper

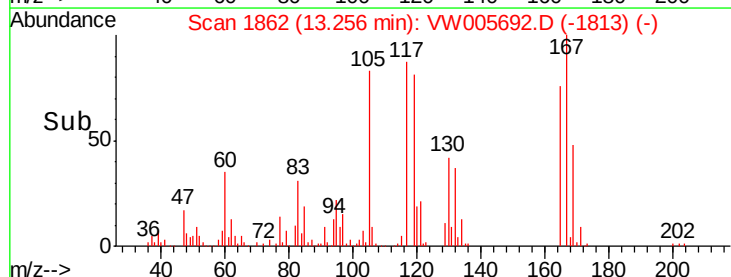
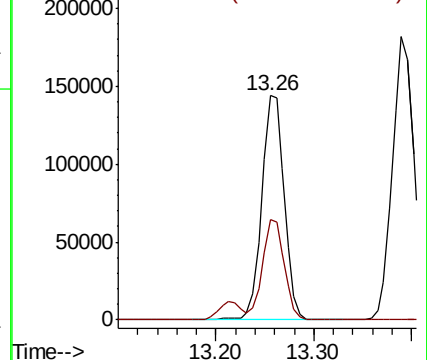
105 100

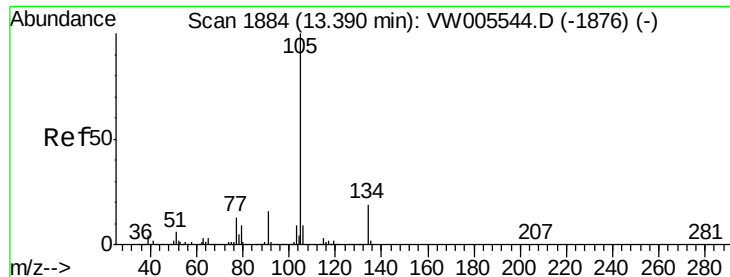
120 43.3 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.917 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

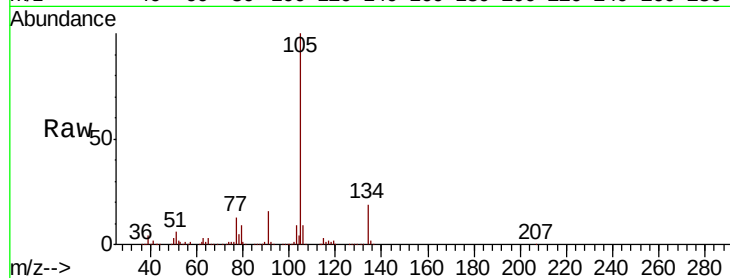
VW0927SBS01

Tgt Ion:105 Resp: 278199

Ion Ratio Lower Upper

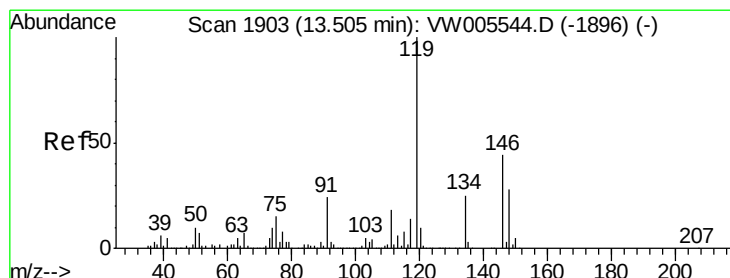
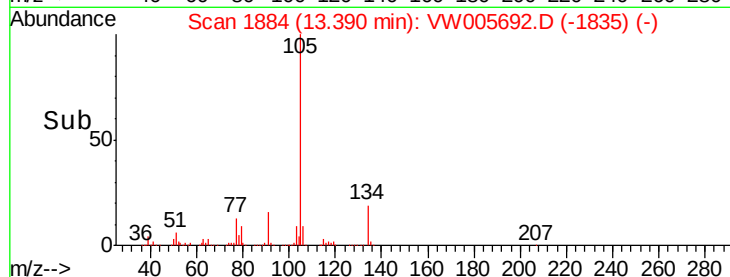
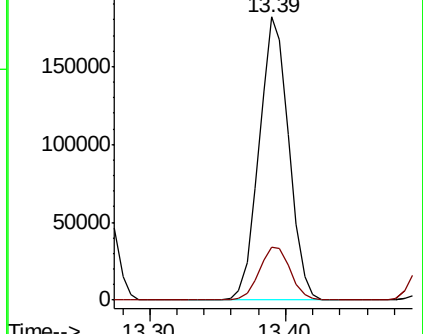
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.047 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

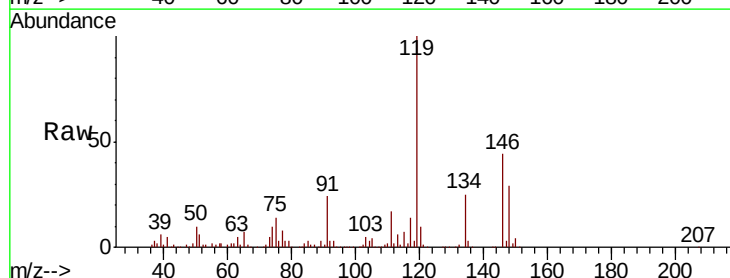
Tgt Ion:119 Resp: 250840

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

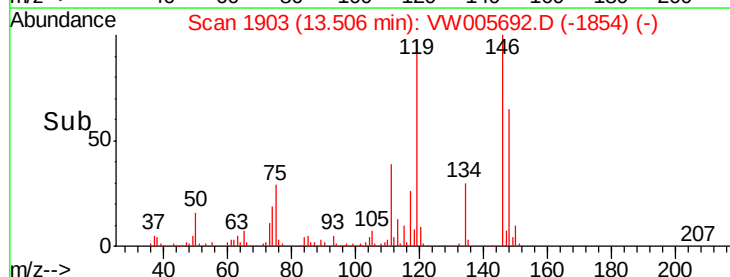
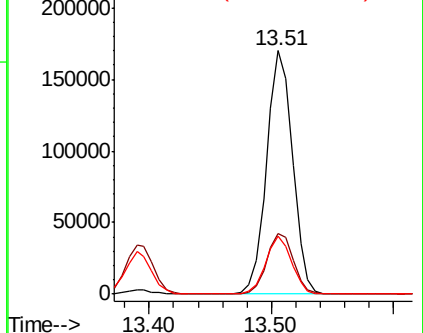
91 24.0 12.2 36.4

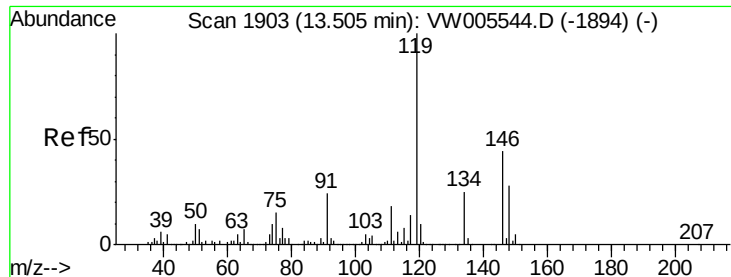


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.888 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

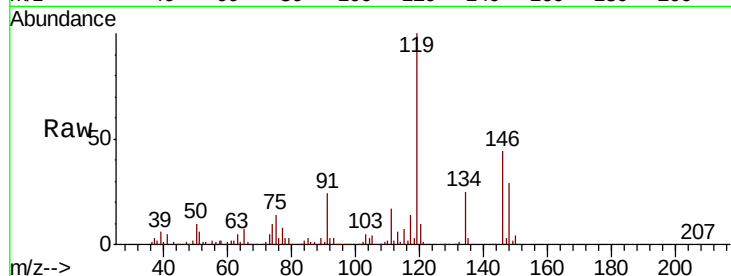
Tgt Ion:146 Resp: 119934

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

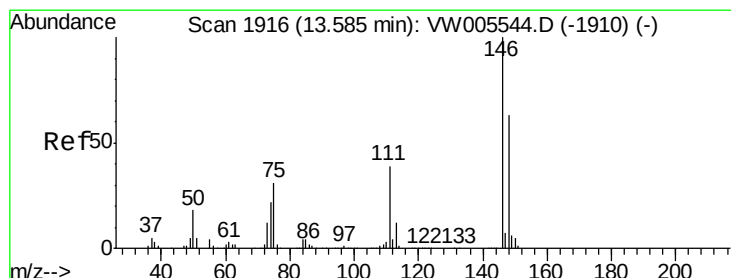
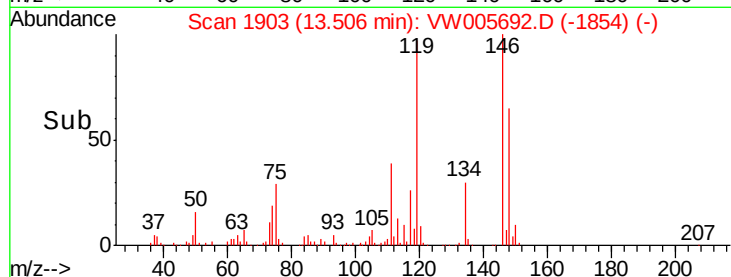
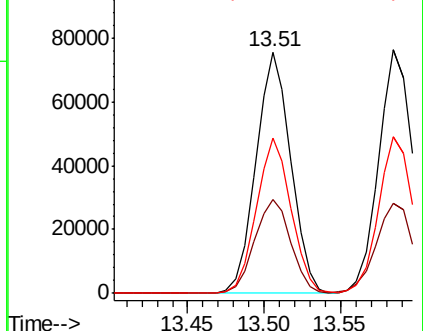
148 63.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.868 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

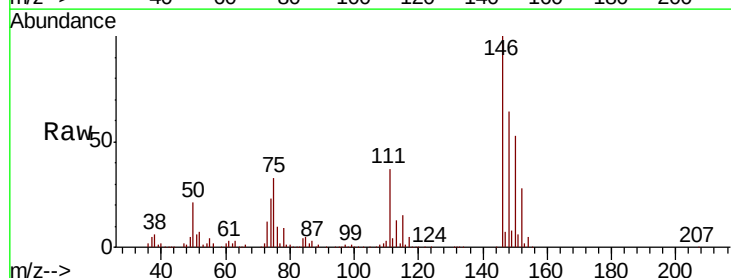
Tgt Ion:146 Resp: 119167

Ion Ratio Lower Upper

146 100

111 39.6 19.9 59.7

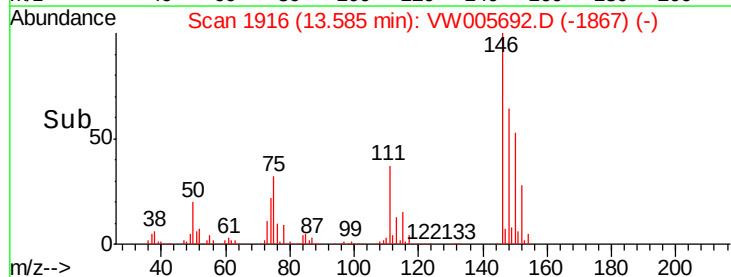
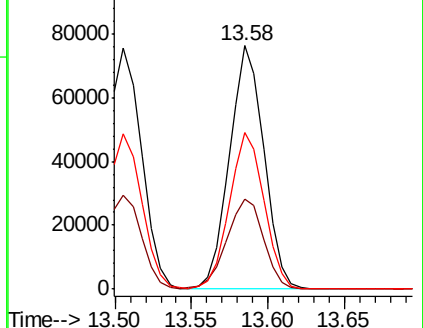
148 64.5 32.1 96.3

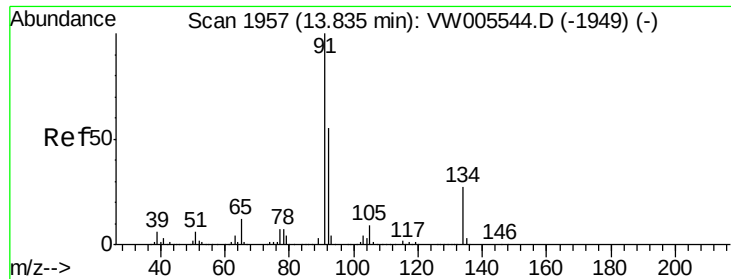


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.936 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

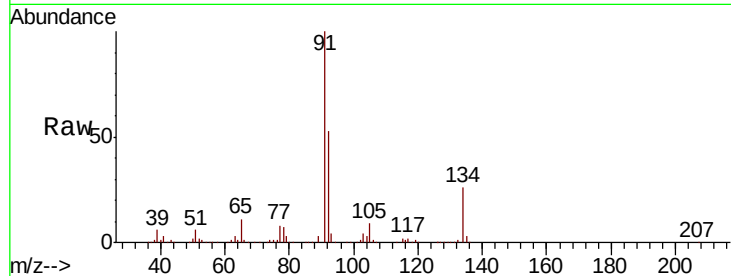
Tgt Ion: 91 Resp: 235407

Ion Ratio Lower Upper

91 100

92 52.4 26.5 79.5

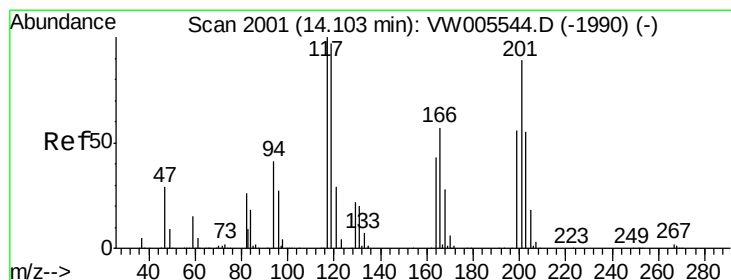
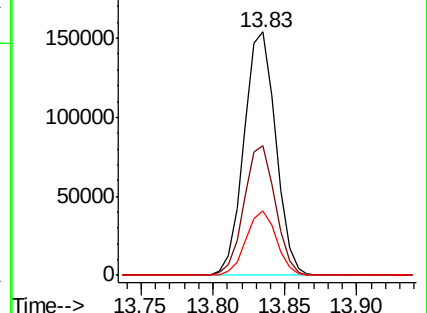
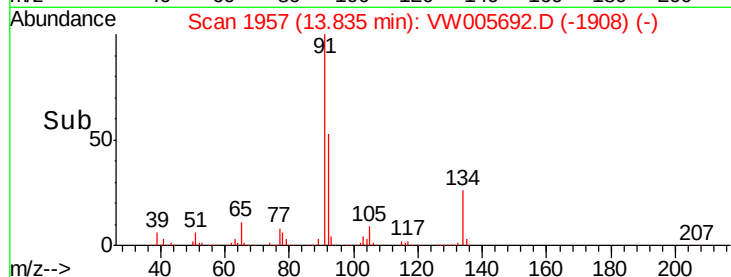
134 25.4 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.771 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005692.D

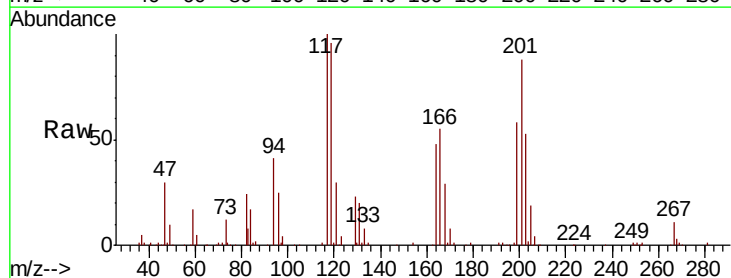
Acq: 27 Sep 2018 11:51

Tgt Ion: 117 Resp: 42832

Ion Ratio Lower Upper

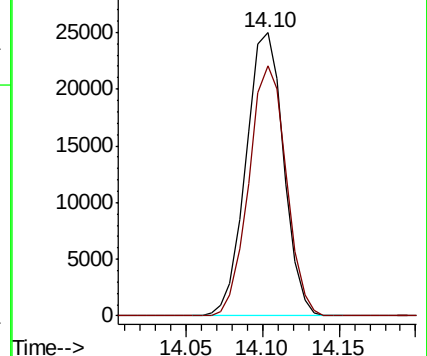
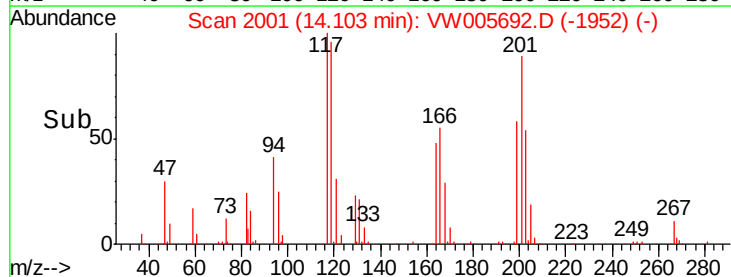
117 100

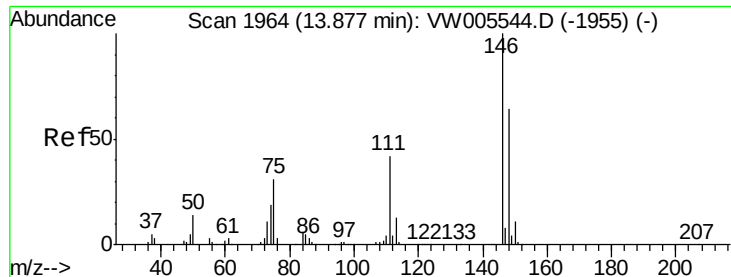
201 87.6 42.8 128.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

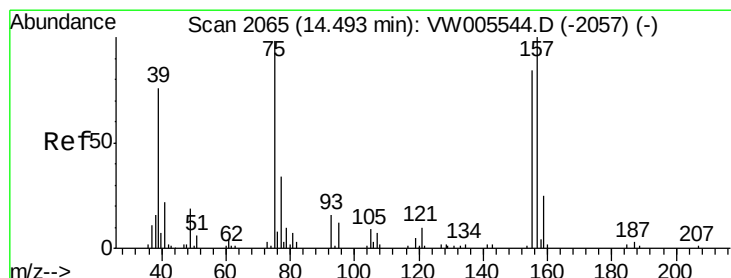
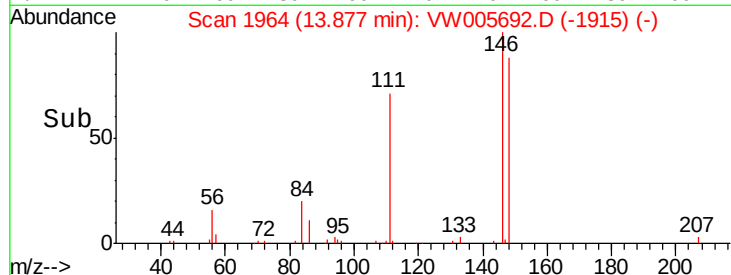
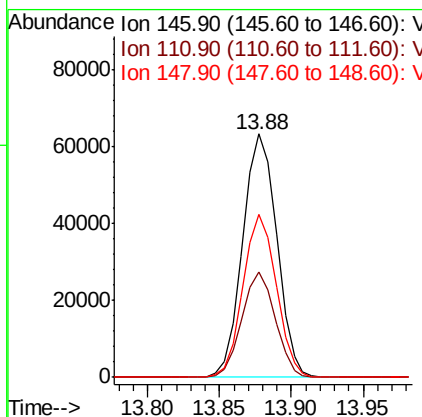
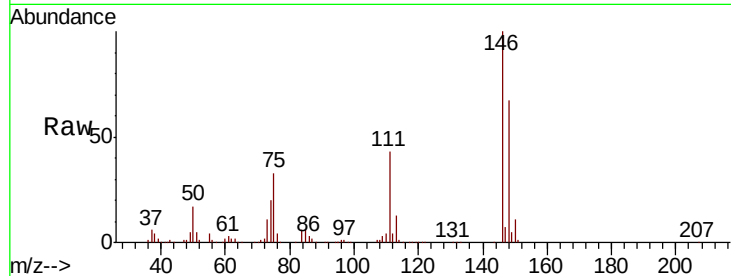




#91
 1,2-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

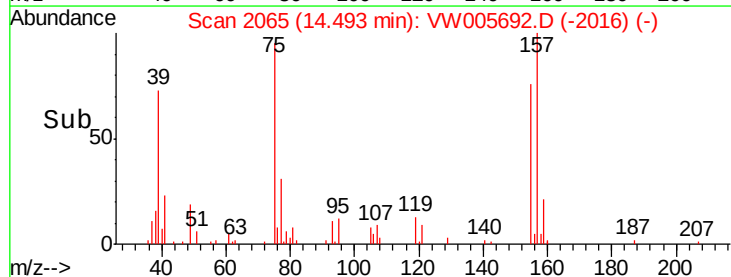
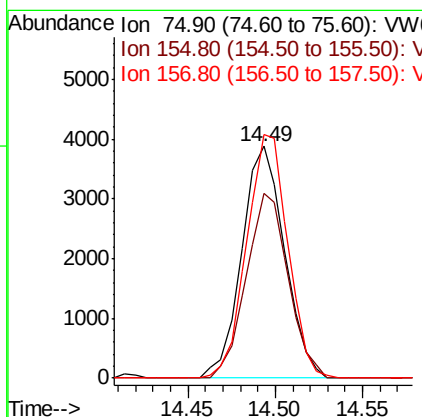
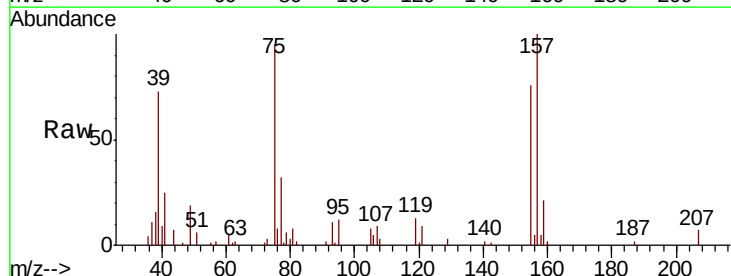
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

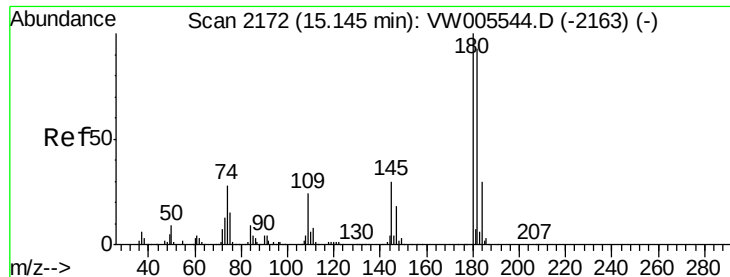
Tgt Ion: 146 Resp: 103833
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.3 63.9
 148 65.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.402 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion: 75 Resp: 6598
 Ion Ratio Lower Upper
 75 100
 155 77.9 39.1 117.5
 157 101.2 50.8 152.4

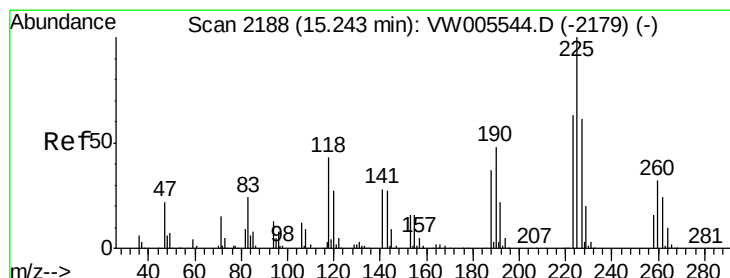
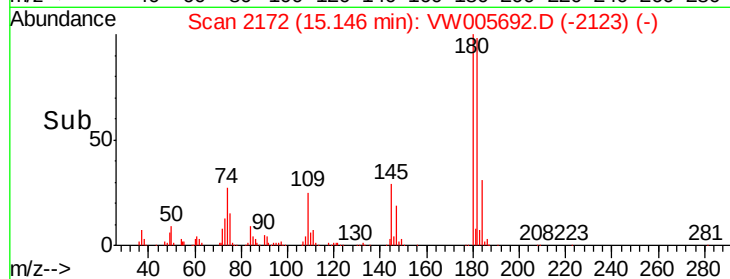
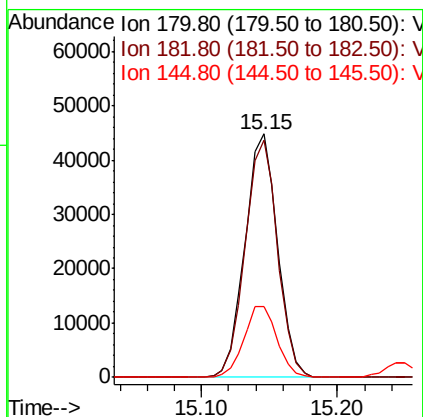
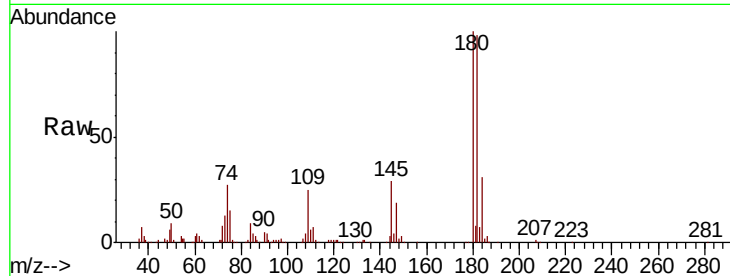




#93
 1,2,4-Trichlorobenzene
 Concen: 20.812 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

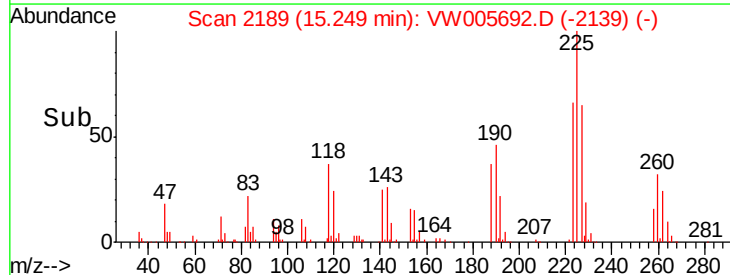
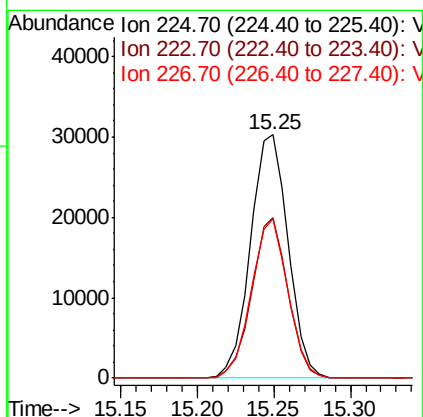
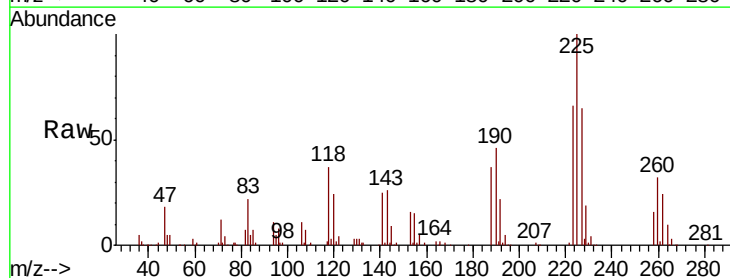
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

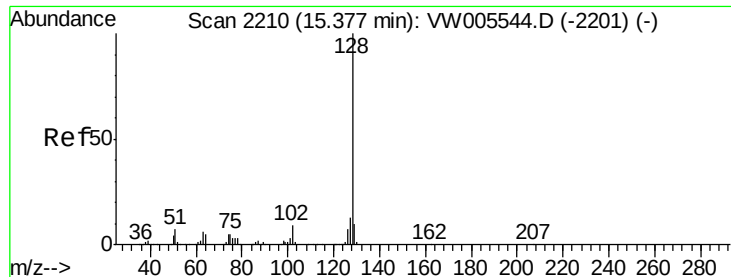
Tgt Ion:180 Resp: 75253
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.7 143.1
 145 29.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 22.081 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion:225 Resp: 51725
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.3
 227 63.5 31.8 95.3

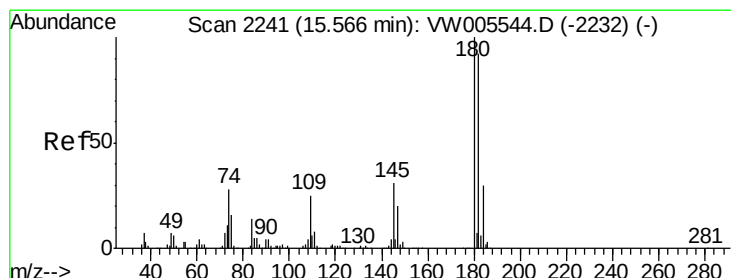
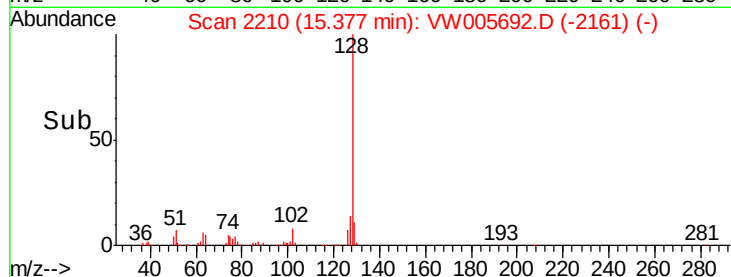
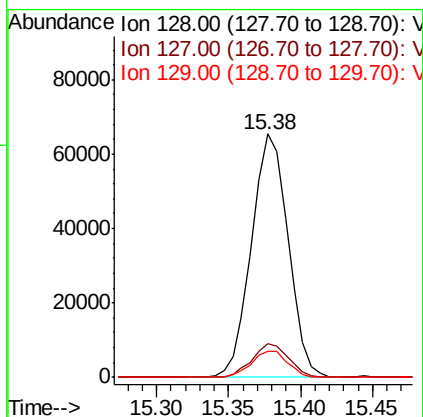
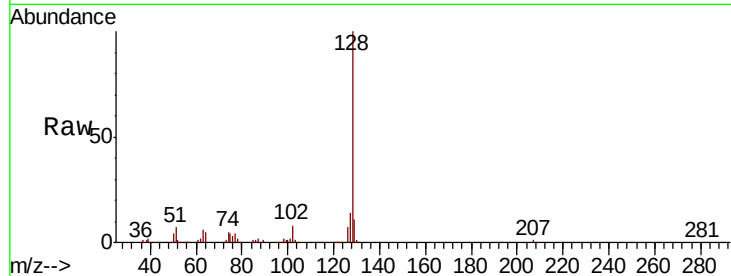




#95
Naphthalene
Concen: 18.954 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tgt Ion:128 Resp: 115276
Ion Ratio Lower Upper
128 100
127 13.7 10.9 16.3
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.633 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion:180 Resp: 65746
Ion Ratio Lower Upper
180 100
182 95.7 47.3 141.9
145 31.7 16.0 47.9

