

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005550.D
 Acq On : 21 Sep 2018 10:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:46:53 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	252340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	374433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135589	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	7.89	113	116059	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.33	98	491467	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.62	95	174237	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82386	54.585	ug/l	97
3) Chloromethane	2.22	50	101298	49.938	ug/l	99
4) Vinyl Chloride	2.37	62	119311	49.207	ug/l	98
5) Bromomethane	2.79	94	78143	47.689	ug/l	98
6) Chloroethane	2.93	64	73855	47.470	ug/l	100
7) Trichlorofluoromethane	3.26	101	107351	56.608	ug/l	96
8) Diethyl Ether	3.68	74	56112	45.296	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	118881	49.522	ug/l	100
10) Methyl Iodide	4.27	142	177871	48.181	ug/l	99
11) Tert butyl alcohol	5.23	59	34192	222.503	ug/l	96
12) 1,1-Dichloroethene	4.03	96	112218	48.829	ug/l	97
13) Acrolein	3.90	56	23002	221.884	ug/l	97
14) Allyl chloride	4.67	41	198432	49.475	ug/l	99
15) Acrylonitrile	5.38	53	118969	216.304	ug/l	99
16) Acetone	4.14	43	133945	288.048	ug/l	96
17) Carbon Disulfide	4.37	76	351999	49.021	ug/l	97
18) Methyl Acetate	4.68	43	58803	41.735	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	168829	47.594	ug/l	100
20) Methylene Chloride	4.91	84	121589	48.707	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	121948	48.446	ug/l	98
22) Diisopropyl ether	6.31	45	384282	49.356	ug/l	98
23) Vinyl Acetate	6.26	43	1070408	240.530	ug/l	100
24) 1,1-Dichloroethane	6.22	63	232670	48.368	ug/l	99
25) 2-Butanone	7.18	43	162811	225.497	ug/l	99
26) 2,2-Dichloropropane	7.17	77	167222	49.793	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	134641	48.495	ug/l	99
28) Bromochloromethane	7.52	49	86947	45.630	ug/l	99
29) Tetrahydrofuran	7.54	42	98107	217.501	ug/l	99
30) Chloroform	7.68	83	239676	48.260	ug/l	99
31) Cyclohexane	7.96	56	222737	48.329	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	216858	49.429	ug/l	99
36) 1,1-Dichloropropene	8.09	75	193024	51.210	ug/l	99
37) Ethyl Acetate	7.26	43	69343	43.717	ug/l	99
38) Carbon Tetrachloride	8.07	117	206101	51.027	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005550.D
 Acq On : 21 Sep 2018 10:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:46:53 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	238720	53.680	ug/l	100
40) Benzene	8.33	78	523437	49.012	ug/l	98
41) Methacrylonitrile	7.49	41	45642	50.565	ug/l	96
42) 1,2-Dichloroethane	8.40	62	159291	46.586	ug/l	99
43) Isopropyl Acetate	8.43	43	139814	44.832	ug/l	99
44) Trichloroethene	9.10	130	136233	49.836	ug/l	95
45) 1,2-Dichloropropane	9.37	63	127765	48.628	ug/l	98
46) Dibromomethane	9.46	93	60382	45.995	ug/l	98
47) Bromodichloromethane	9.65	83	169817	48.154	ug/l	100
48) Methyl methacrylate	9.44	41	69933	47.212	ug/l	97
49) 1,4-Dioxane	9.48	88	19726	945.110	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	355789	226.512	ug/l	99
52) Toluene	10.39	92	336779	50.540	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	176703	49.983	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	200286	50.564	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	87515	46.963	ug/l	99
56) Ethyl methacrylate	10.65	69	110464	48.020	ug/l	99
57) 1,3-Dichloropropane	10.94	76	155438	47.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	257991	247.409	ug/l	99
59) 2-Hexanone	10.98	43	258828	242.566	ug/l	99
60) Dibromochloromethane	11.13	129	107978	47.957	ug/l	98
61) 1,2-Dibromoethane	11.24	107	81733	47.042	ug/l	99
64) Tetrachloroethene	10.87	164	117824	48.605	ug/l	99
65) Chlorobenzene	11.66	112	358261	49.411	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	128157	49.110	ug/l	99
67) Ethyl Benzene	11.74	91	667538	51.868	ug/l	100
68) m/p-Xylenes	11.85	106	509072	104.697	ug/l	99
69) o-Xylene	12.17	106	236643	51.966	ug/l	99
70) Styrene	12.19	104	393169	51.304	ug/l	99
71) Bromoform	12.35	173	64799	46.780	ug/l #	100
73) Isopropylbenzene	12.47	105	688058	55.773	ug/l	100
74) N-amyl acetate	12.28	43	135851	48.631	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	98344	47.992	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	143376	94.547	ug/l #	100
77) Bromobenzene	12.76	156	148866	51.484	ug/l	98
78) n-propylbenzene	12.81	91	829463	55.535	ug/l	100
79) 2-Chlorotoluene	12.90	91	464027	53.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	589171	54.922	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	33126	49.200	ug/l	98
82) 4-Chlorotoluene	13.00	91	492026	53.890	ug/l	99
83) tert-Butylbenzene	13.21	119	504907	56.024	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	596530	55.105	ug/l	99
85) sec-Butylbenzene	13.39	105	734201	56.171	ug/l	100
86) p-Isopropyltoluene	13.51	119	660081	56.342	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	303090	51.263	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	299861	50.994	ug/l	100
89) n-Butylbenzene	13.83	91	624153	56.482	ug/l	99
90) Hexachloroethane	14.10	117	111078	52.311	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	265886	50.943	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17761	45.492	ug/l	99

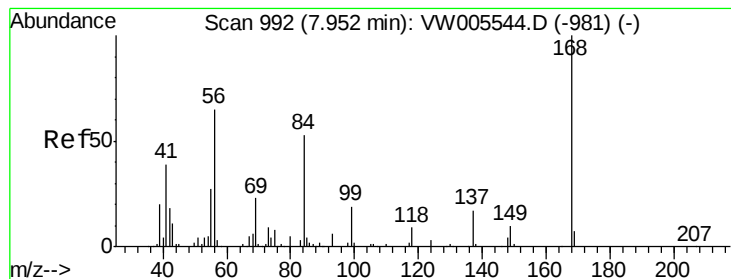
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092218\
Data File : VW005550.D
Acq On : 21 Sep 2018 10:28
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 21 14:46:53 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.15	180	193611	52.001	ug/l	99
94) Hexachlorobutadiene	15.25	225	126327	52.372	ug/l	98
95) Naphthalene	15.38	128	316814	50.587	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	167096	50.925	ug/l	100

(#) = 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: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

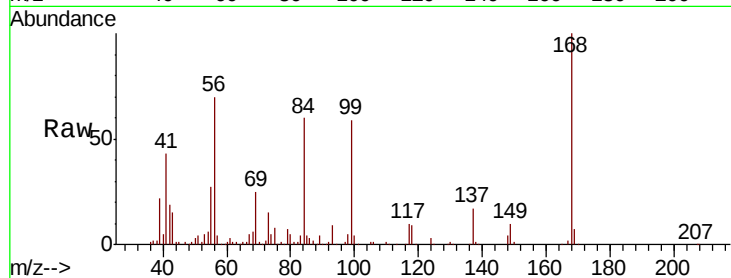
ClientSampleId :

Tot Ion:168 Resp: 252340

Ion Ratio Lower Upper

168 100

99 59.3 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

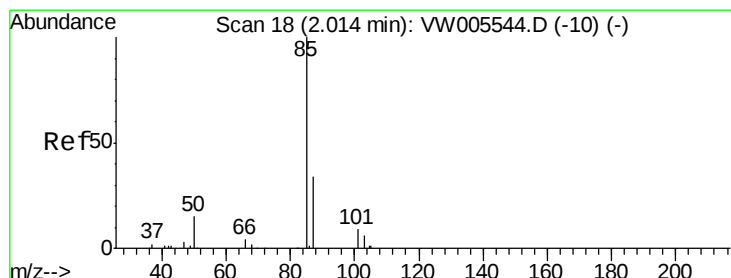
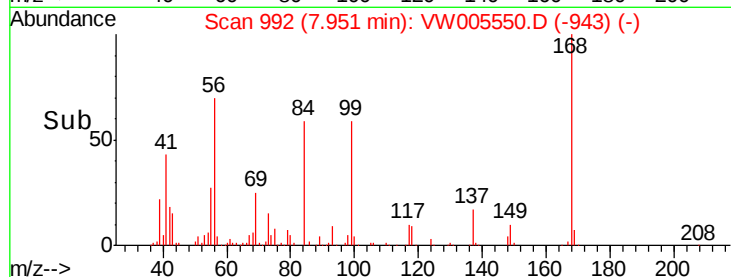
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 54.585 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005550.D

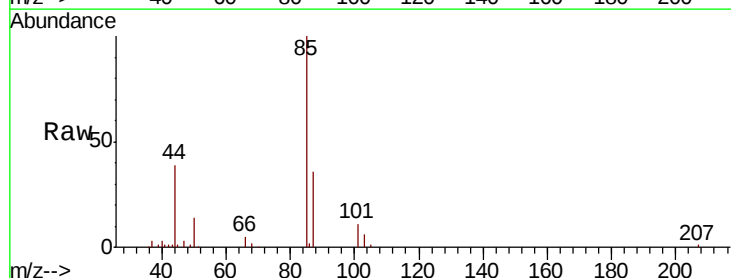
Acq: 21 Sep 2018 10:28

Tgt Ion: 85 Resp: 82386

Ion Ratio Lower Upper

85 100

87 35.9 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

25000

20000

15000

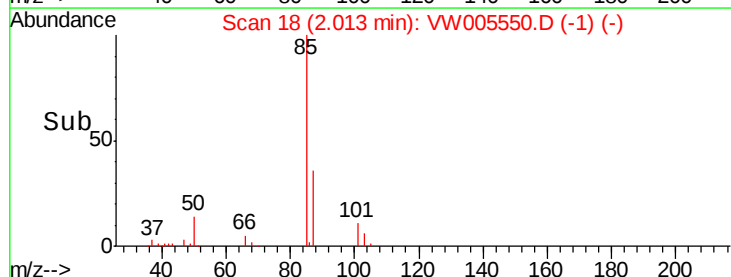
10000

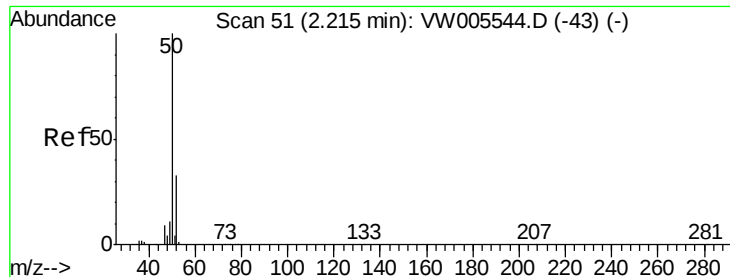
5000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 49.938 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

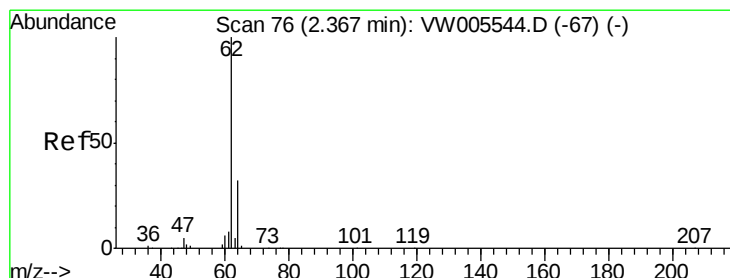
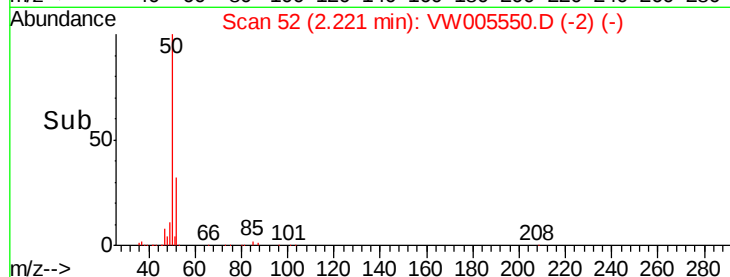
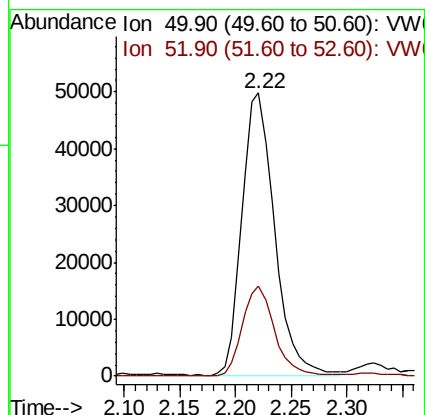
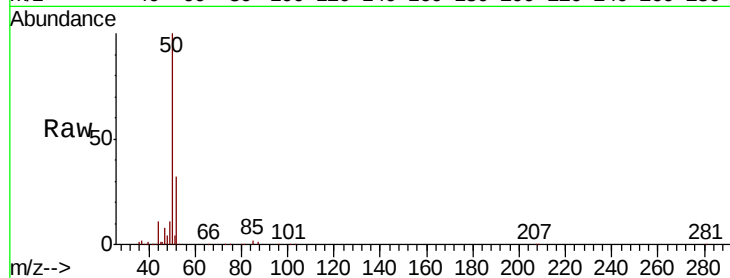
ClientSampled :

Tot Ion: 50 Resp: 101298

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4



#4

Vinyl Chloride

Concen: 49.207 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005550.D

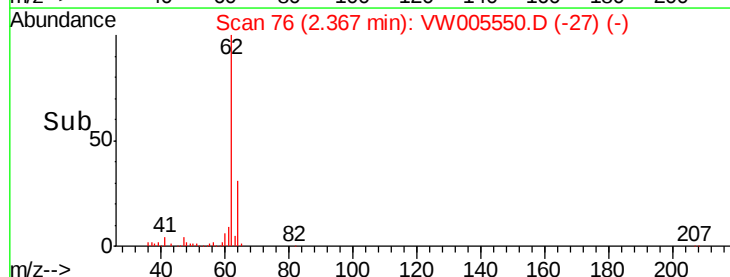
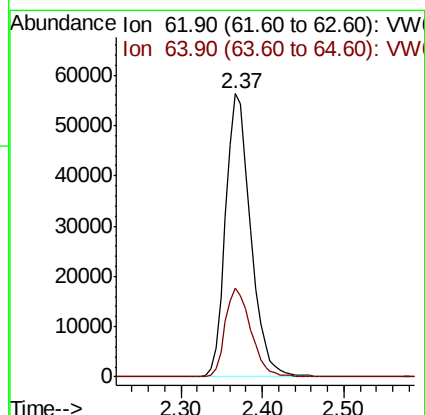
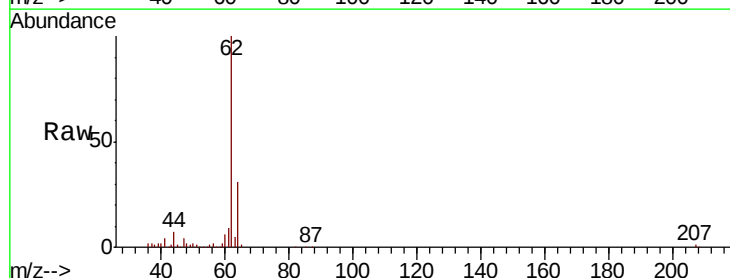
Acq: 21 Sep 2018 10:28

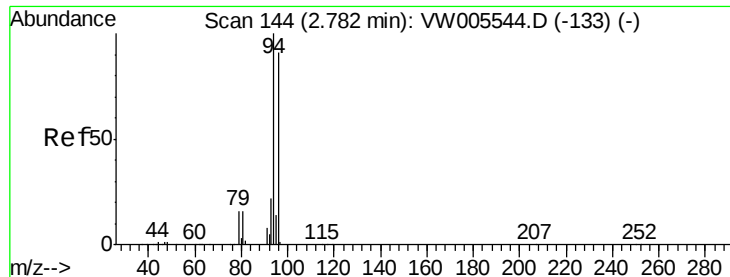
Tgt Ion: 62 Resp: 119311

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5





#5

Bromomethane

Concen: 47.689 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

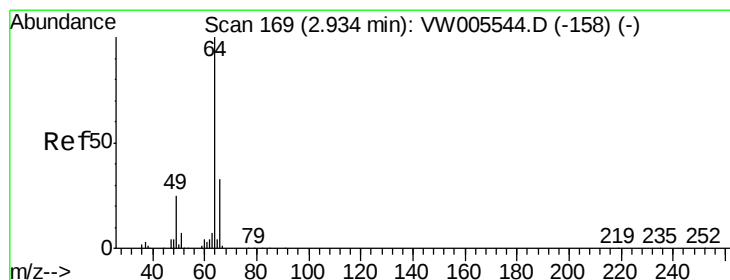
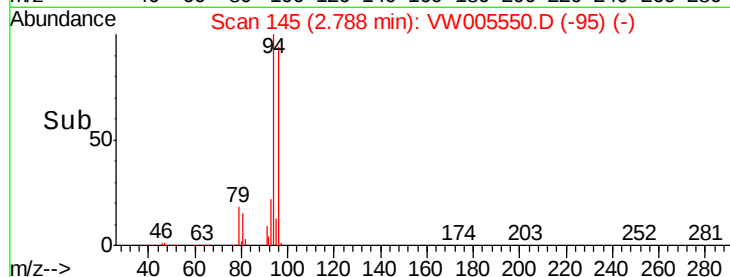
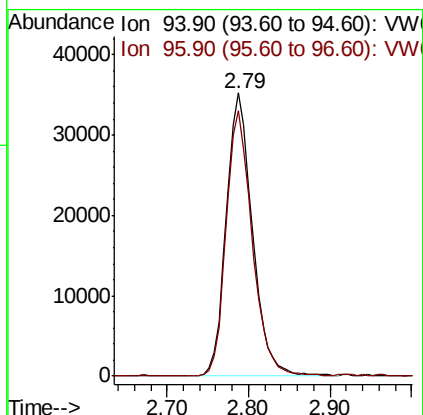
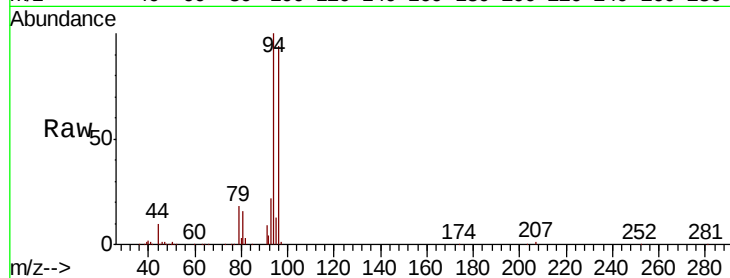
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 78143

Ion Ratio Lower Upper

94 100

96 93.7 73.1 109.7



#6

Chloroethane

Concen: 47.470 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005550.D

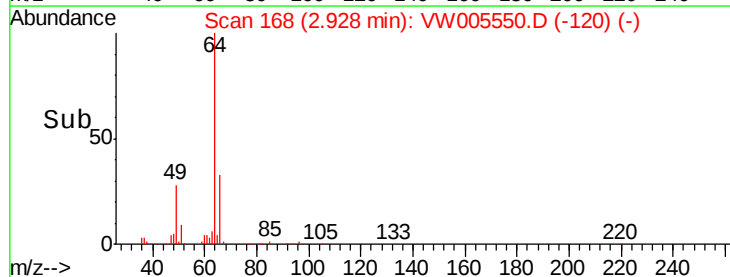
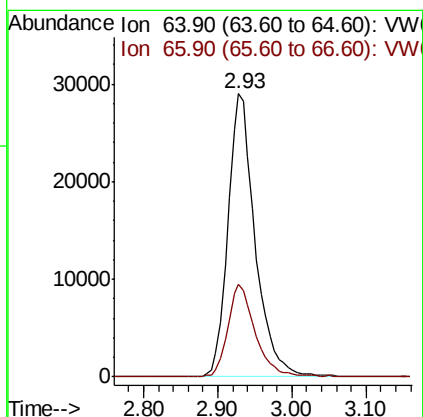
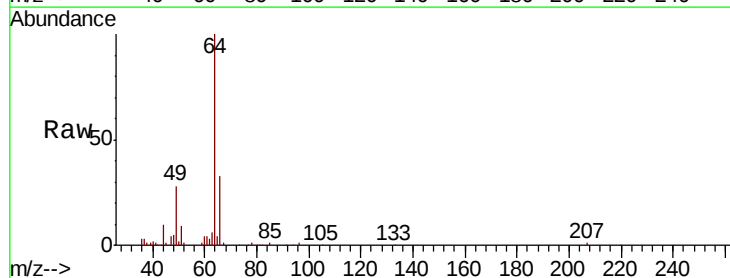
Acq: 21 Sep 2018 10:28

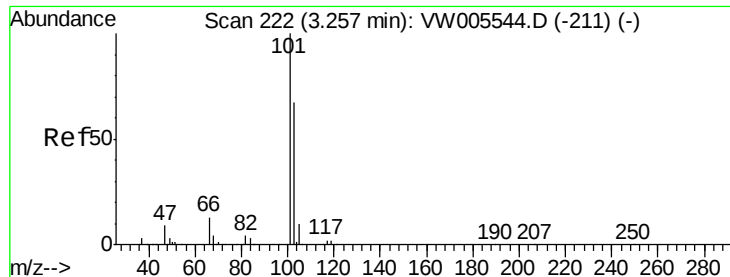
Tgt Ion: 64 Resp: 73855

Ion Ratio Lower Upper

64 100

66 32.6 26.0 39.0



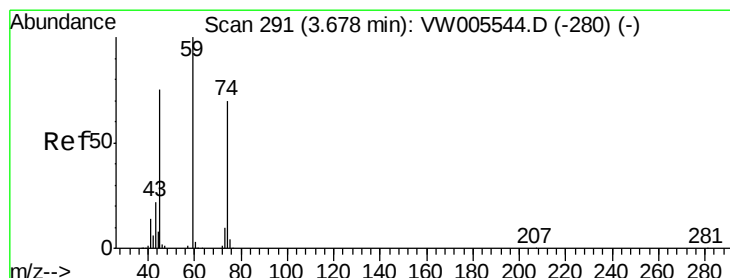
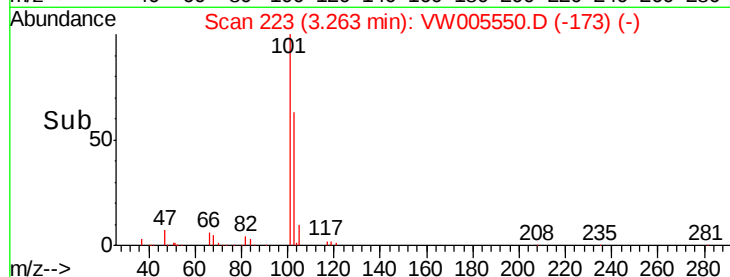
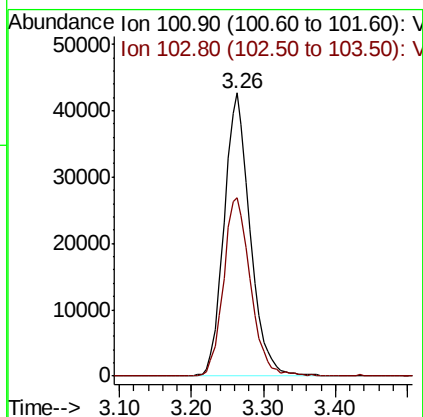
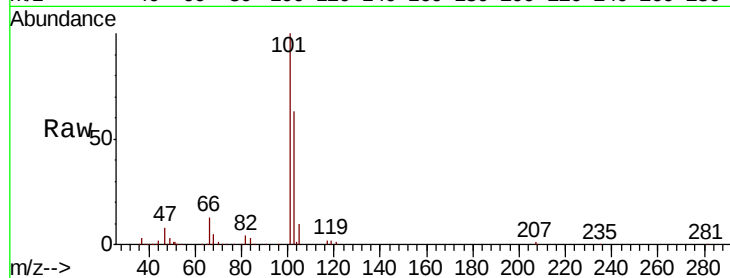


#7

Trichlorofluoromethane
 Concen: 56.608 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Instrument :
 MSVOA_W
 ClientSampleId :

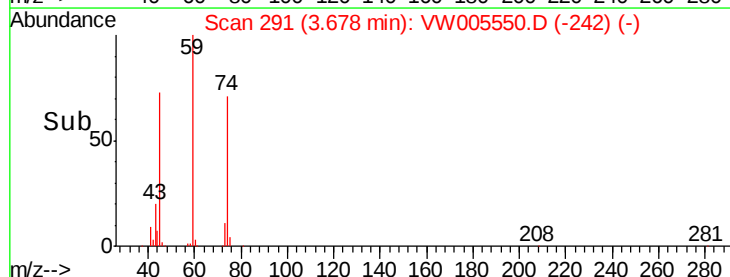
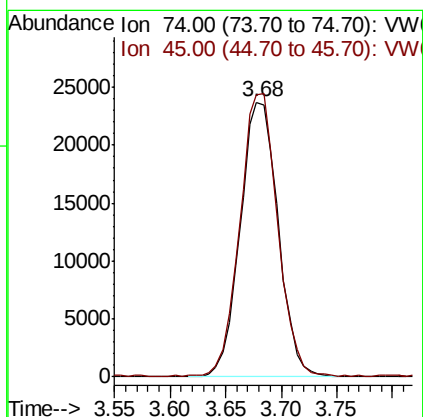
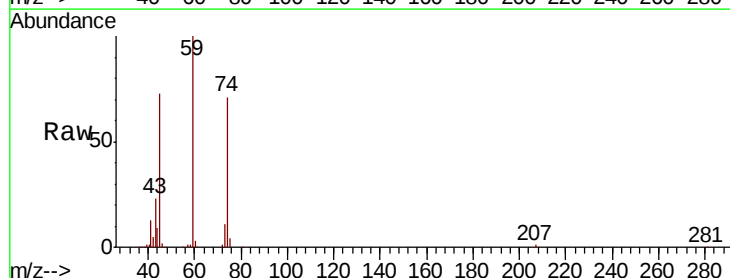
Tot Ion:101 Resp: 107351
 Ion Ratio Lower Upper
 101 100
 103 63.2 53.2 79.8

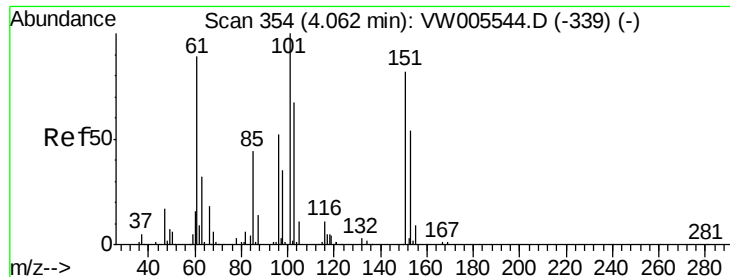


#8

Diethyl Ether
 Concen: 45.296 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Tgt Ion: 74 Resp: 56112
 Ion Ratio Lower Upper
 74 100
 45 103.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.522 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

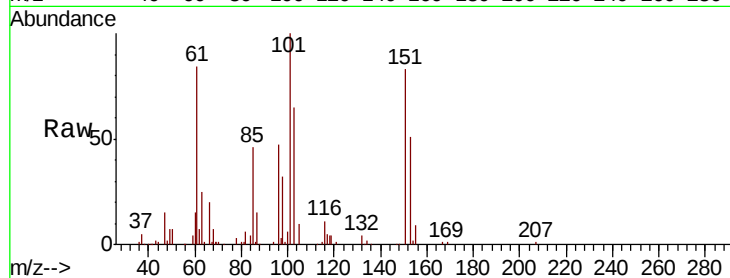
Tot Ion:101 Resp: 118881

Ion Ratio Lower Upper

101 100

85 45.9 36.4 54.6

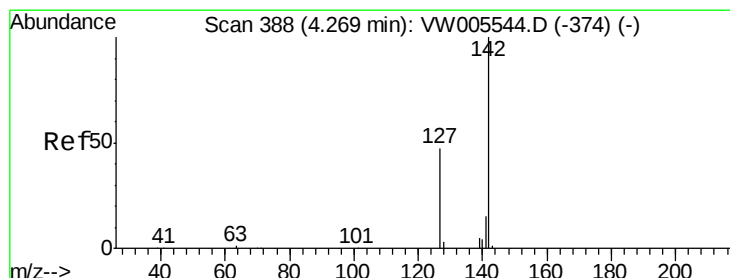
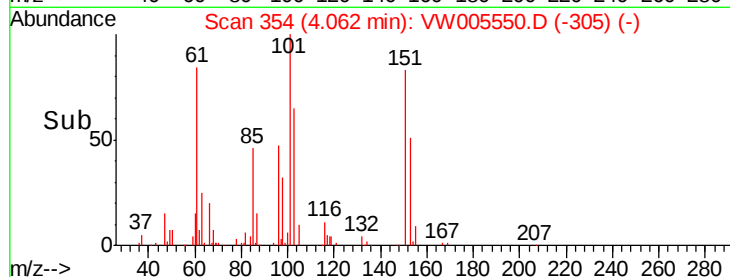
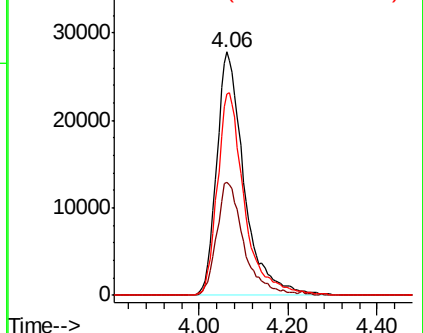
151 82.0 65.8 98.6



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: 48.181 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

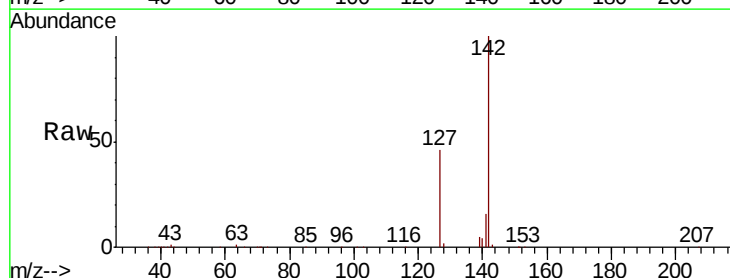
Tgt Ion:142 Resp: 177871

Ion Ratio Lower Upper

142 100

127 45.9 37.4 56.0

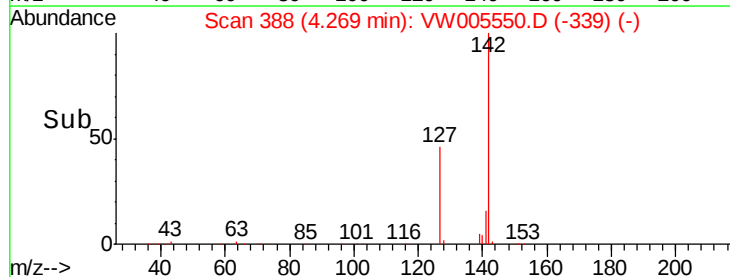
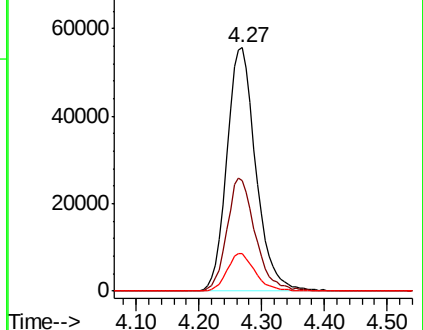
141 15.1 11.9 17.9

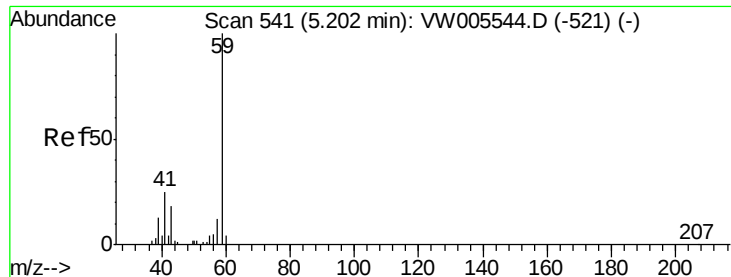


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



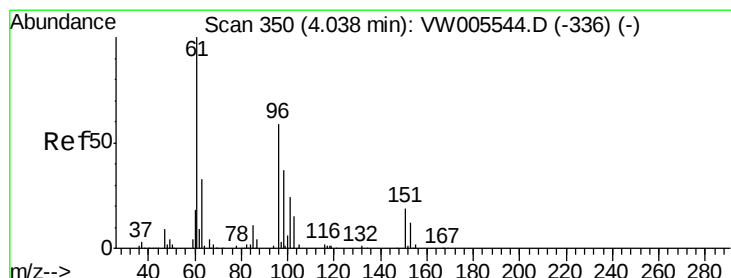
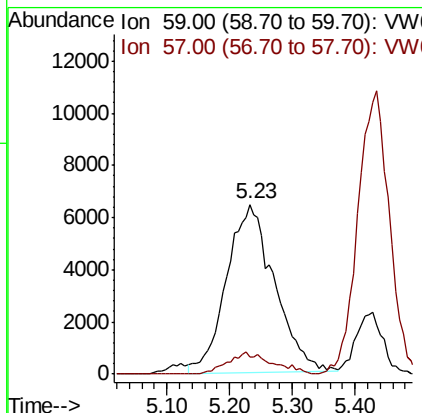
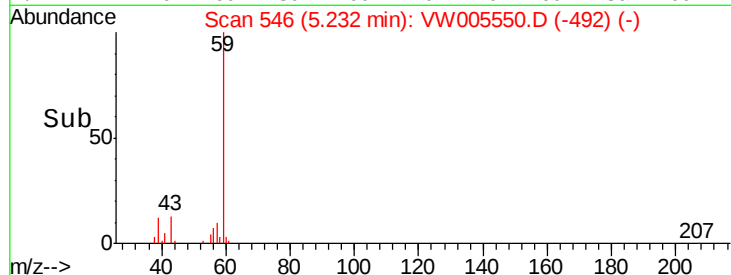
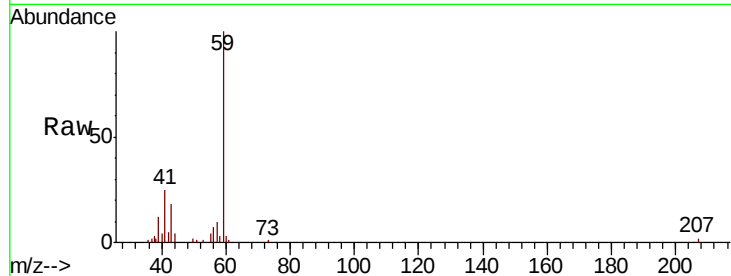


#11

Tert butyl alcohol
Concen: 222.503 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.03 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Instrument :
MSVOA_W
ClientSampled :

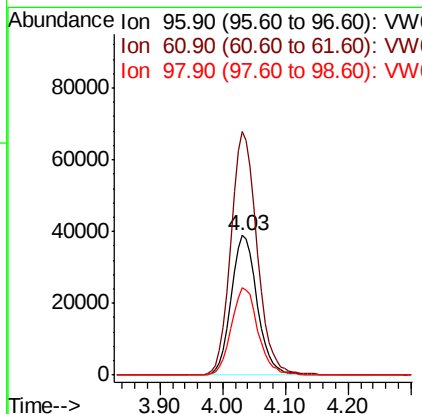
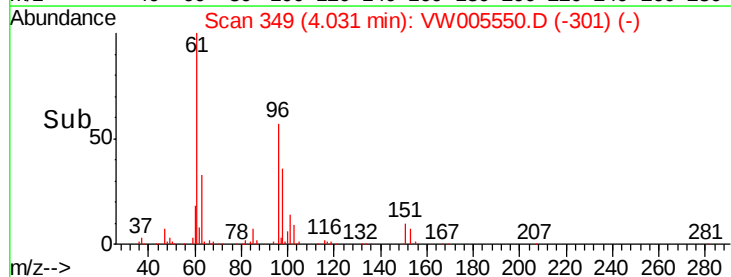
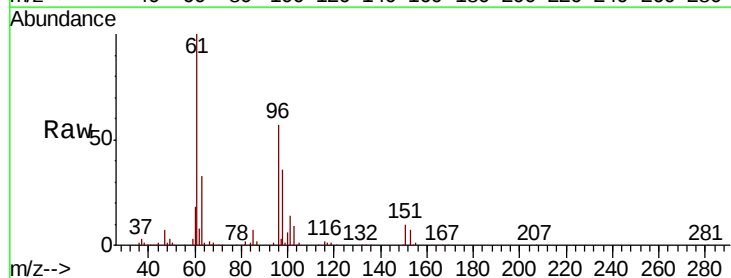
Tot Ion: 59 Resp: 34192
Ion Ratio Lower Upper
59 100
57 12.0 8.3 12.5

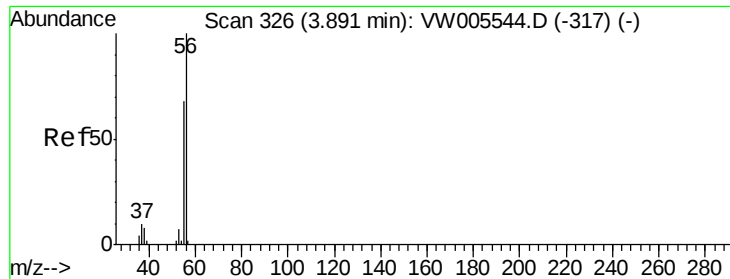


#12

1,1-Dichloroethene
Concen: 48.829 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 96 Resp: 112218
Ion Ratio Lower Upper
96 100
61 174.2 135.0 202.6
98 62.2 50.6 76.0





#13

Acrolein

Concen: 221.884 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

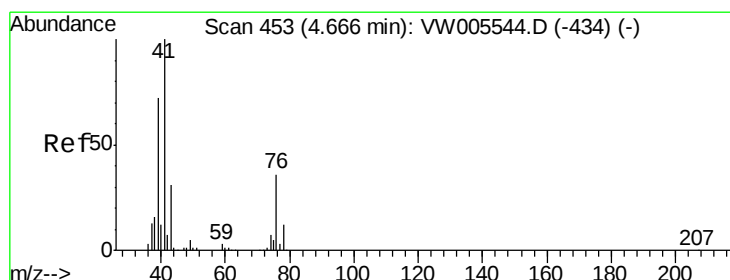
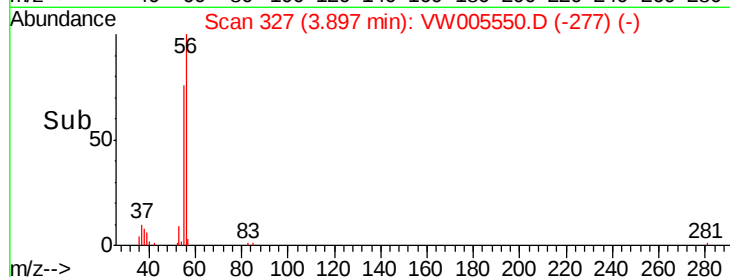
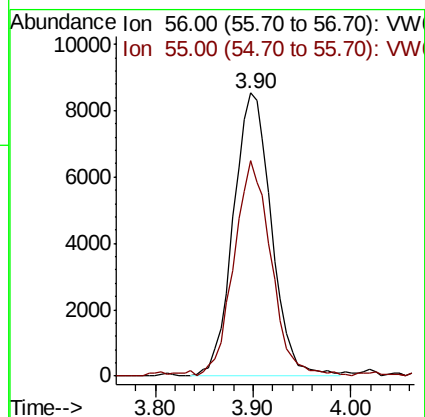
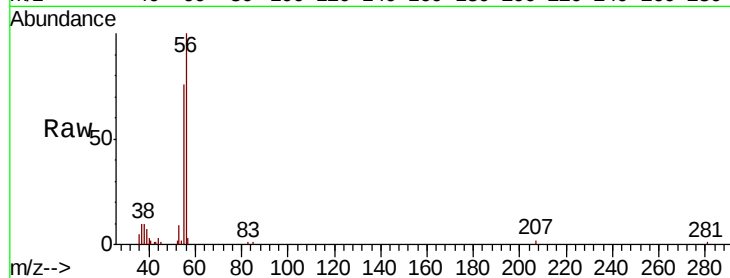
ClientSampleId :

Tot Ion: 56 Resp: 23002

Ion Ratio Lower Upper

56 100

55 74.6 57.8 86.8



#14

Allyl chloride

Concen: 49.475 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

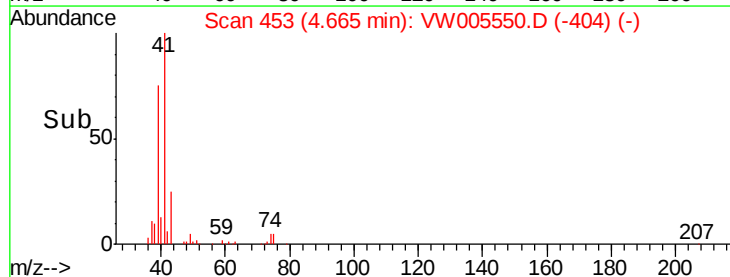
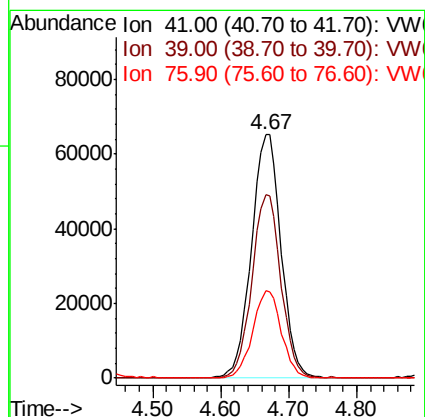
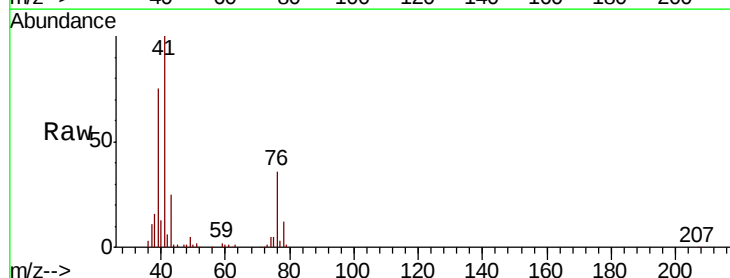
Tgt Ion: 41 Resp: 198432

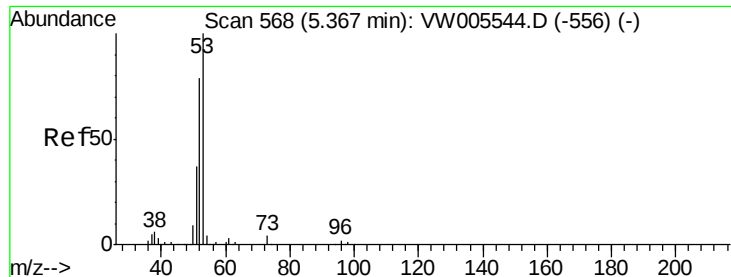
Ion Ratio Lower Upper

41 100

39 73.5 59.6 89.4

76 34.7 27.7 41.5





#15

Acrylonitrile

Concen: 216.304 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

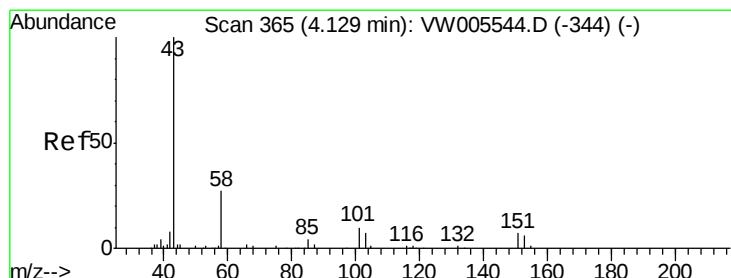
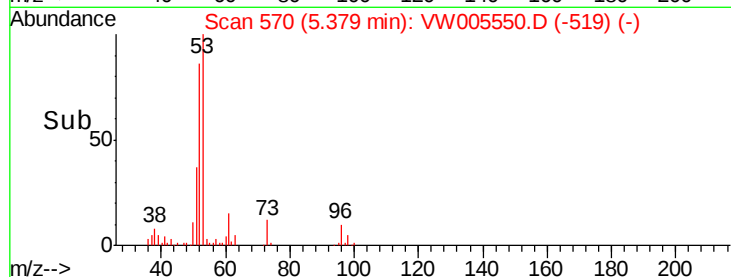
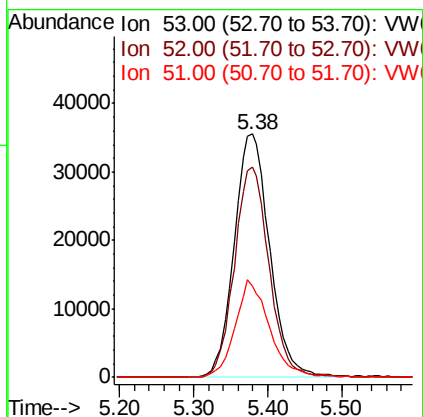
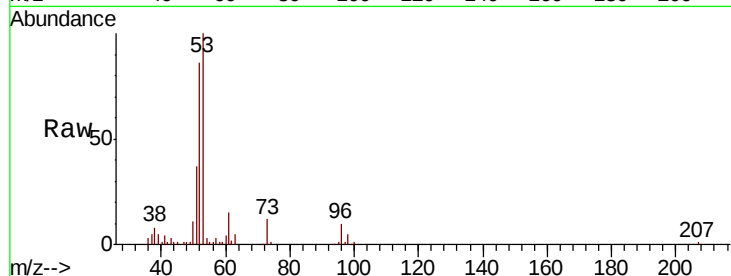
Tot Ion: 53 Resp: 118969

Ion Ratio Lower Upper

53 100

52 83.9 66.5 99.7

51 38.5 30.6 46.0



#16

Acetone

Concen: 288.048 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005550.D

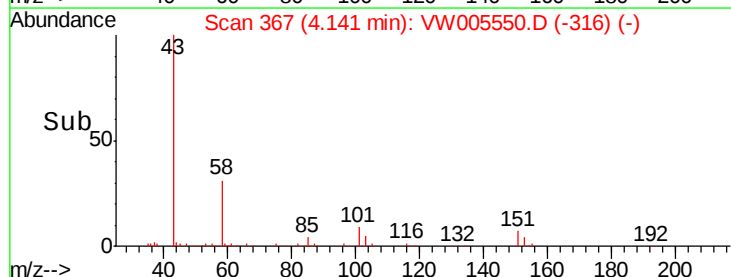
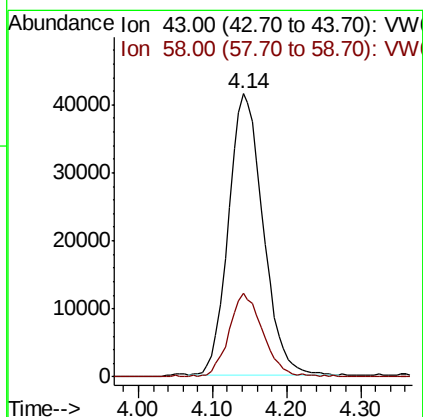
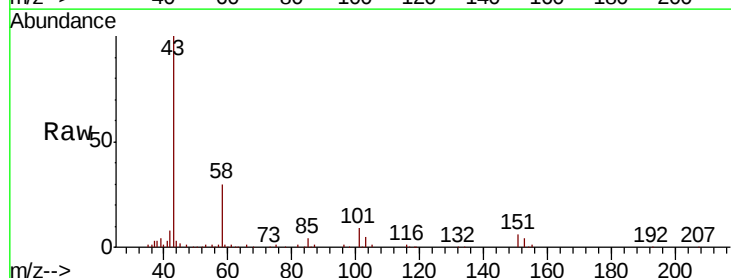
Acq: 21 Sep 2018 10:28

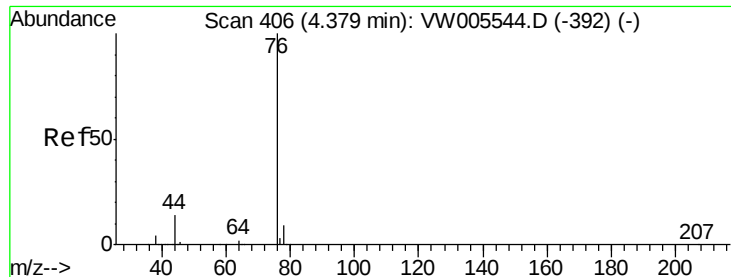
Tgt Ion: 43 Resp: 133945

Ion Ratio Lower Upper

43 100

58 29.6 21.8 32.8

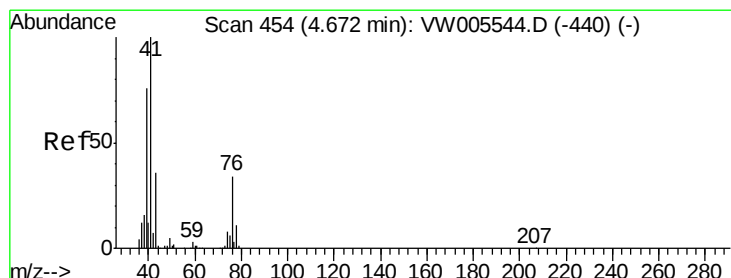
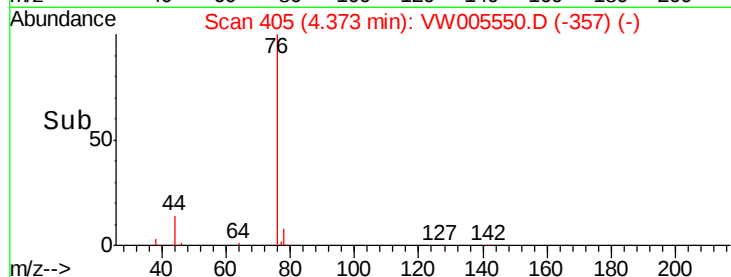
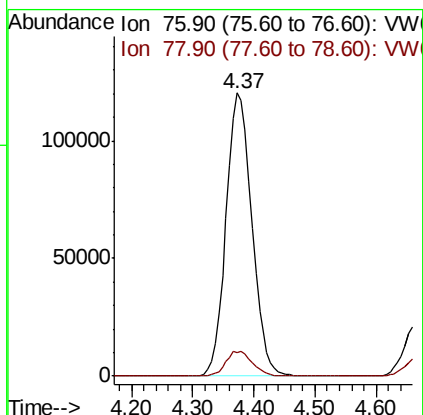
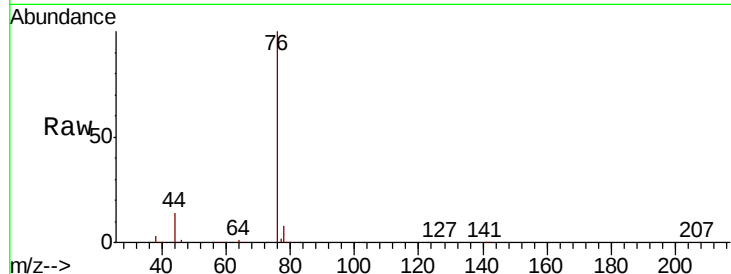




#17
Carbon Disulfide
Concen: 49.021 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

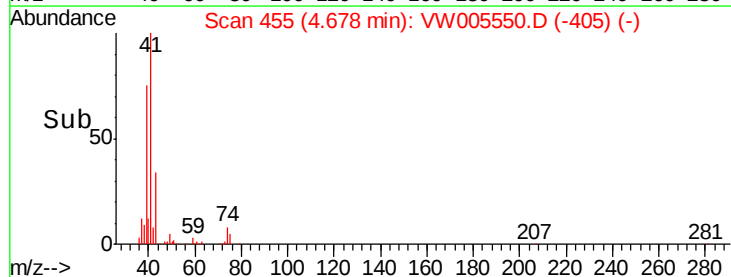
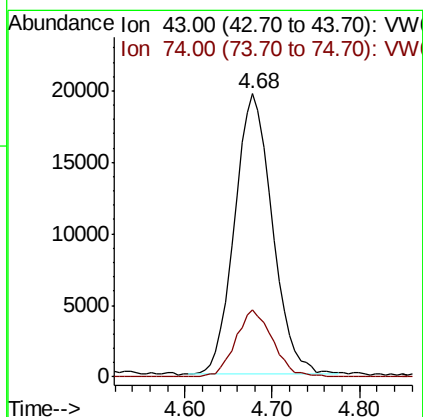
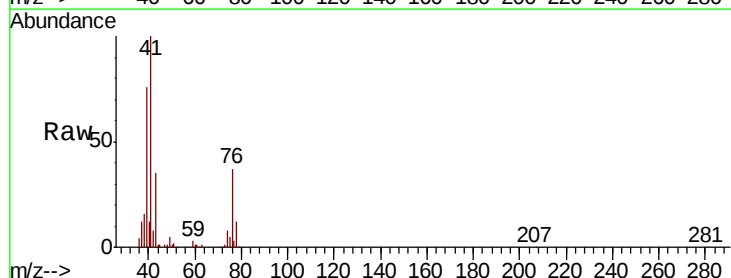
Instrument :
MSVOA_W
ClientSampled :

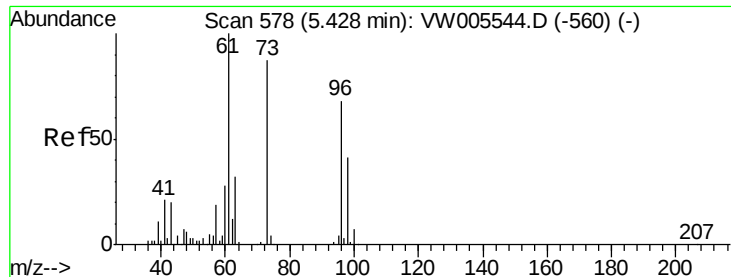
Tot Ion: 76 Resp: 351999
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 41.735 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 43 Resp: 58803
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8

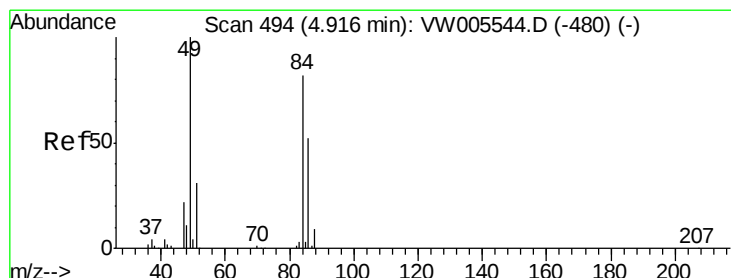
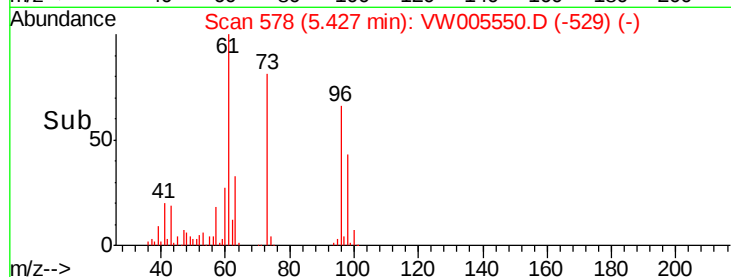
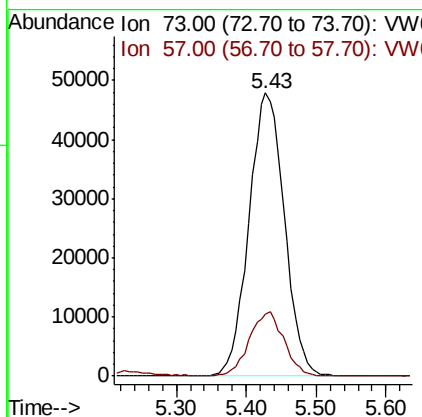
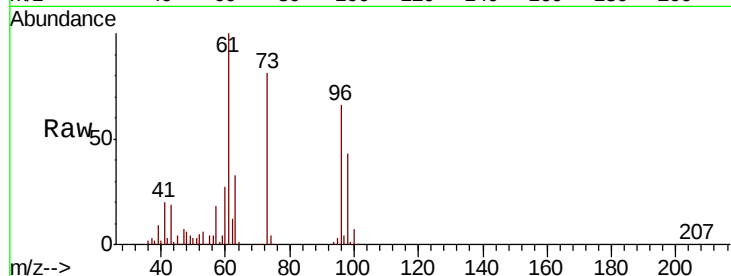




#19
Methyl tert-butyl Ether
Concen: 47.594 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

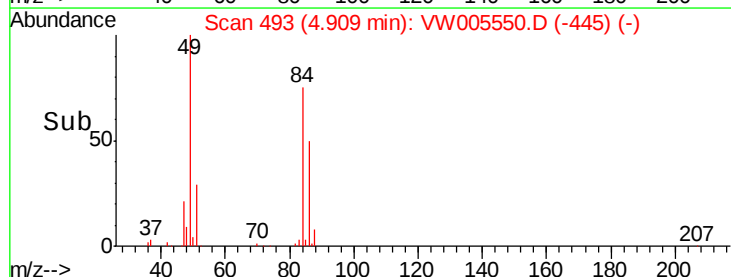
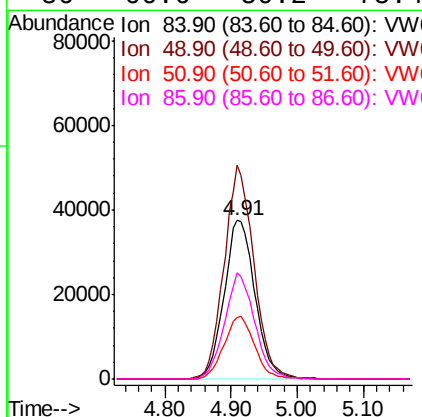
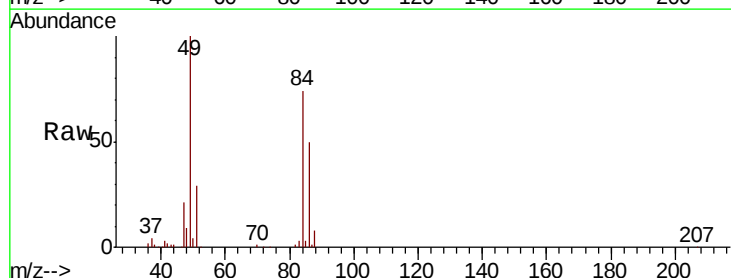
Instrument :
MSVOA_W
ClientSampled :

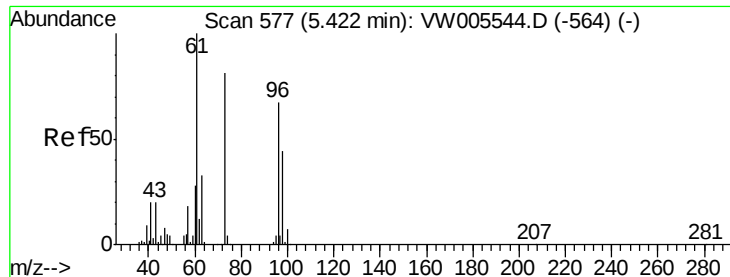
Tot Ion: 73 Resp: 168829
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 48.707 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 84 Resp: 121589
Ion Ratio Lower Upper
84 100
49 134.6 97.0 145.6
51 38.4 30.2 45.2
86 66.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.446 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :
MSVOA_W
ClientSampleId :

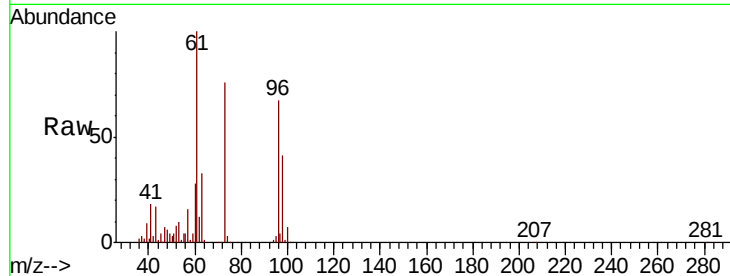
Tot Ion: 96 Resp: 121948

Ion Ratio Lower Upper

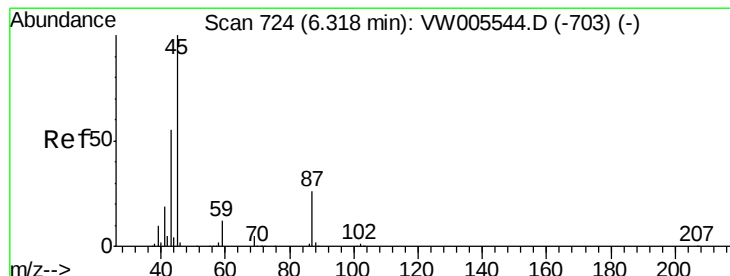
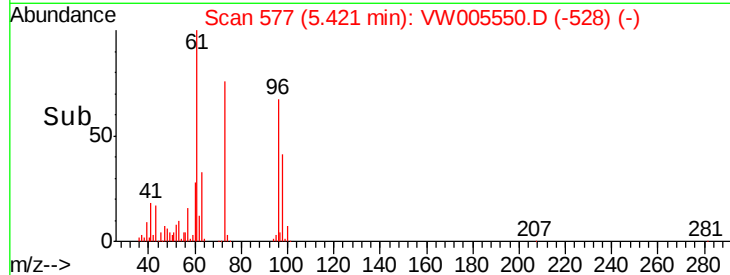
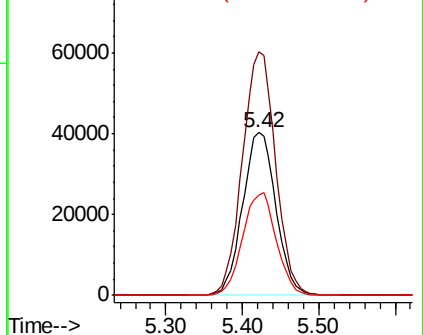
96 100

61 149.9 118.9 178.3

98 62.0 52.1 78.1



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



#22

Diisopropyl ether

Concen: 49.356 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Tgt Ion: 45 Resp: 384282

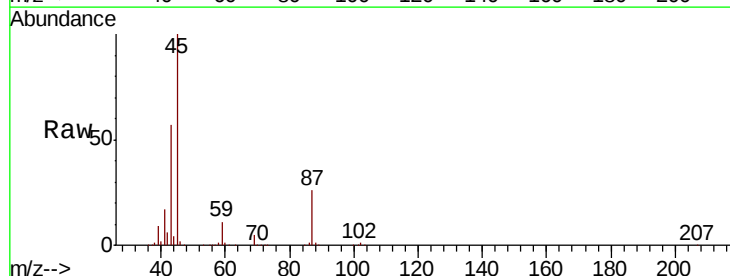
Ion Ratio Lower Upper

45 100

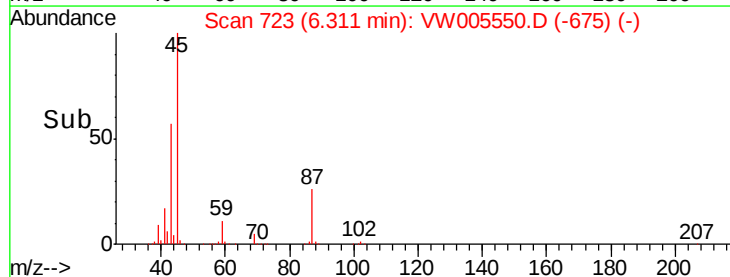
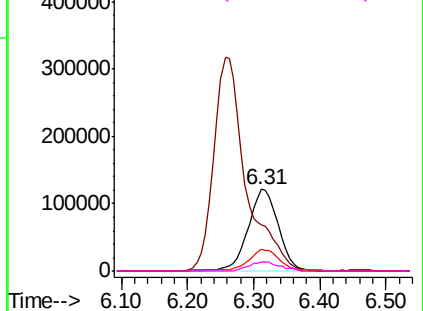
43 56.7 44.2 66.4

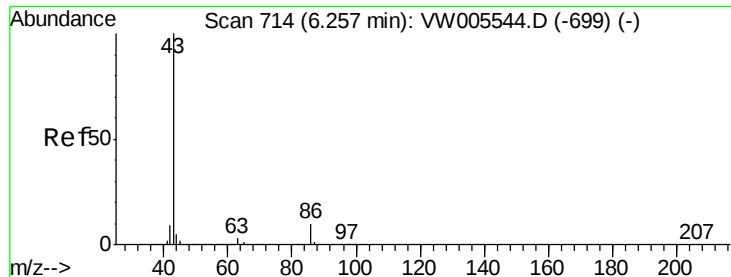
87 26.4 21.4 32.2

59 10.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 240.530 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

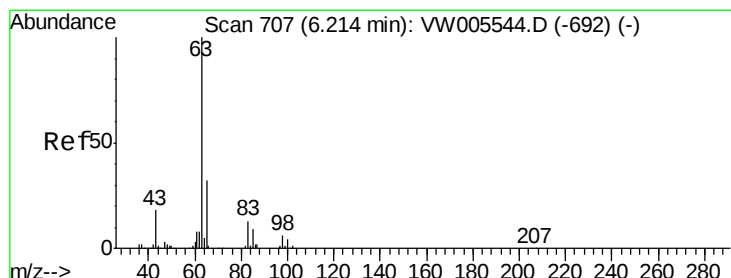
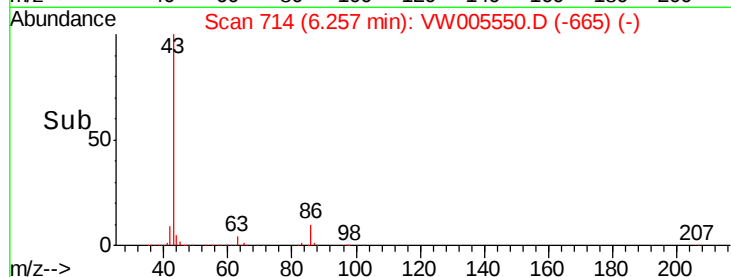
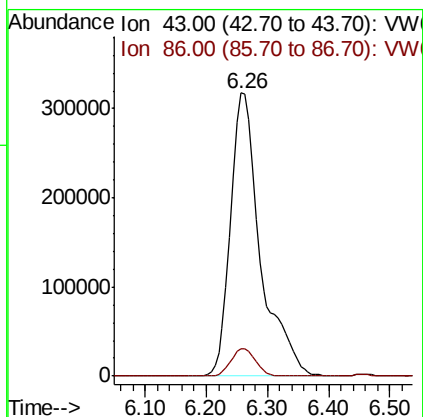
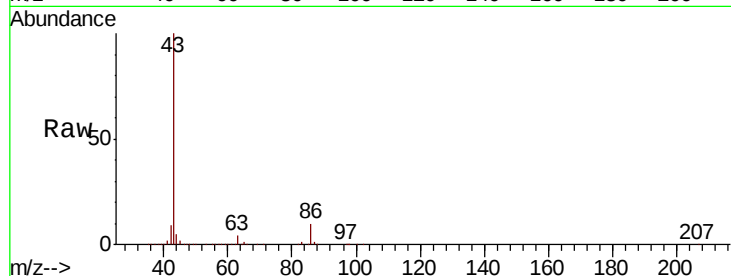
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1070408

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



#24

1,1-Dichloroethane

Concen: 48.368 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

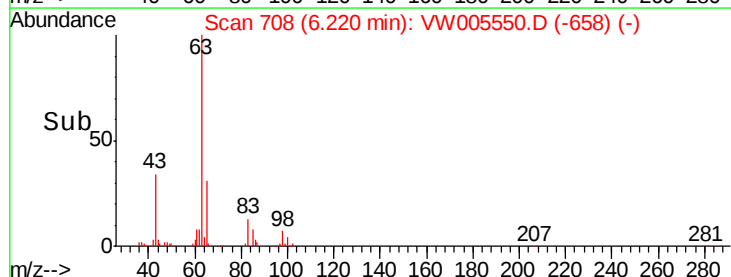
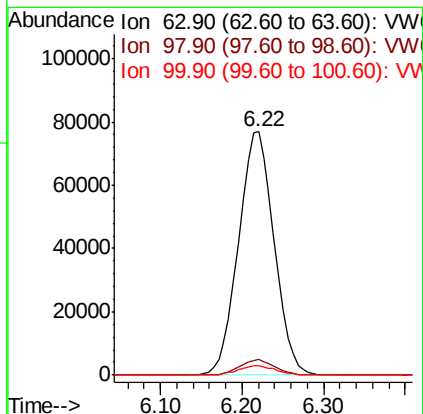
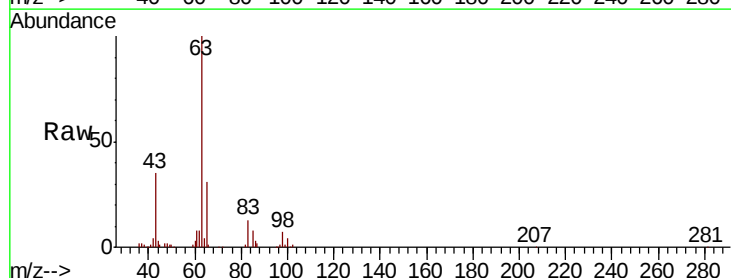
Tgt Ion: 63 Resp: 232670

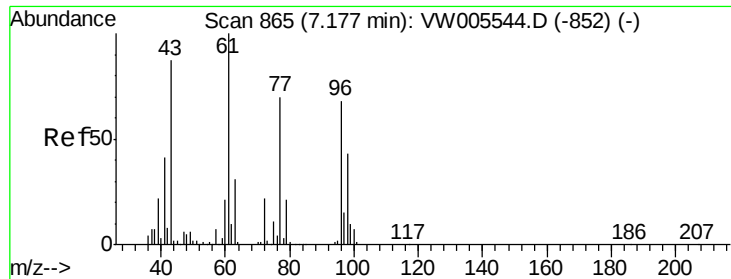
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 225.497 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

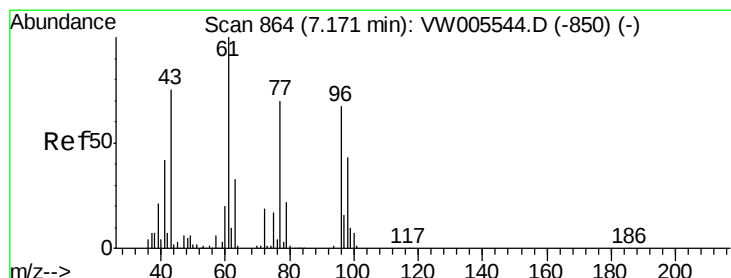
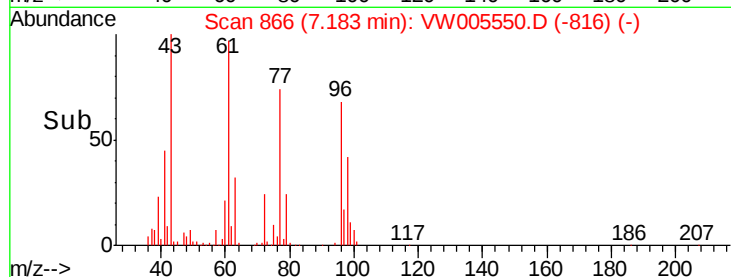
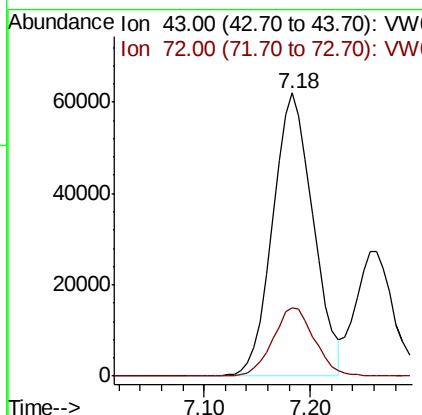
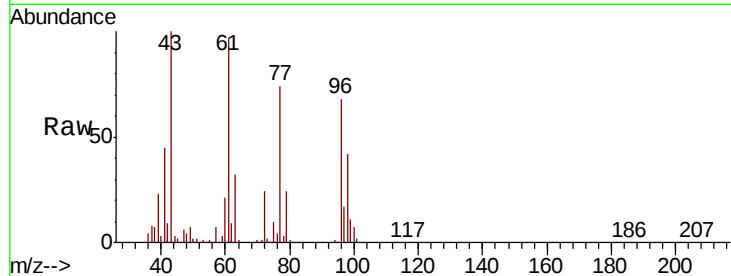
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 162811

Ion Ratio Lower Upper

43 100

72 24.2 19.9 29.9



#26

2,2-Dichloropropane

Concen: 49.793 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005550.D

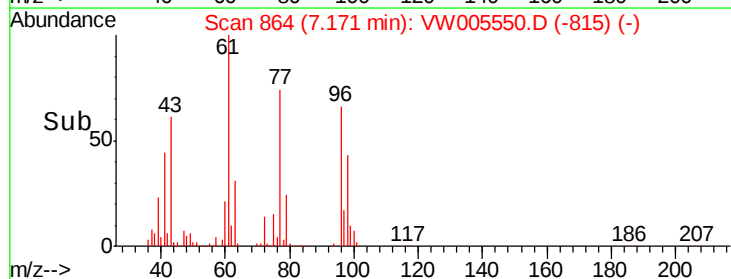
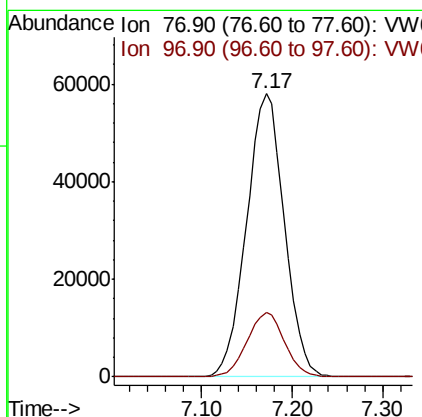
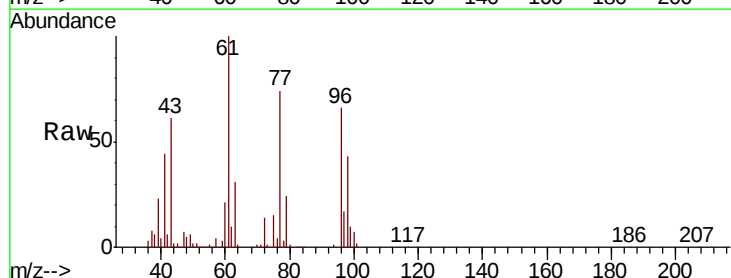
Acq: 21 Sep 2018 10:28

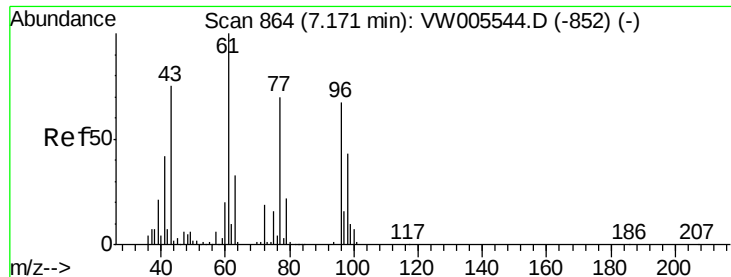
Tgt Ion: 77 Resp: 167222

Ion Ratio Lower Upper

77 100

97 22.4 11.0 33.0



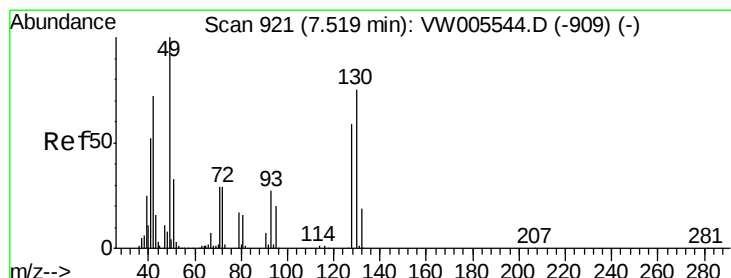
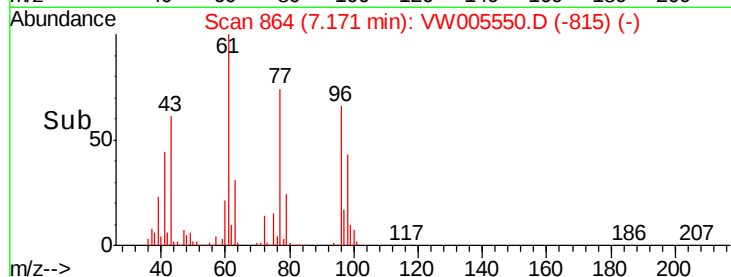
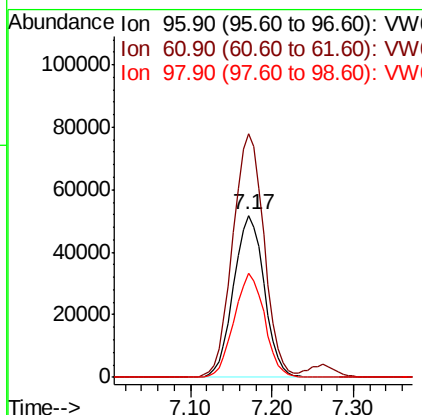
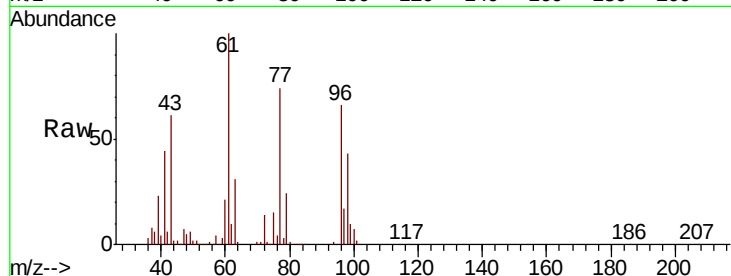


#27

cis-1,2-Dichloroethene
Concen: 48.495 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Instrument :
MSVOA_W
ClientSampled :

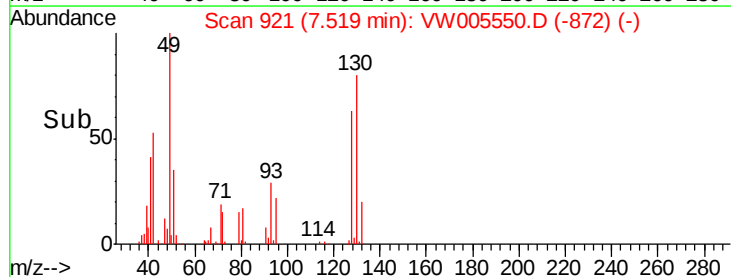
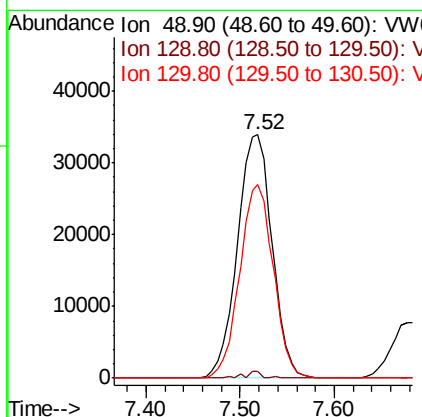
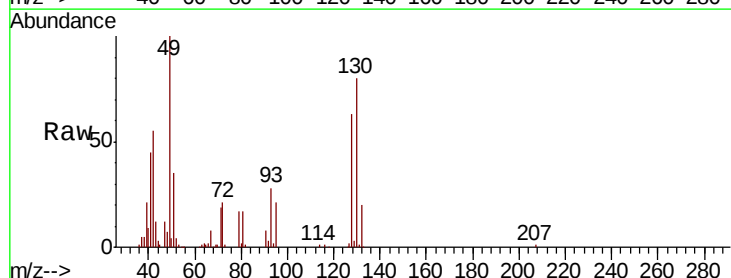
Tot Ion	96	Resp	134641
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	303.4
98	63.5	0.0	127.2

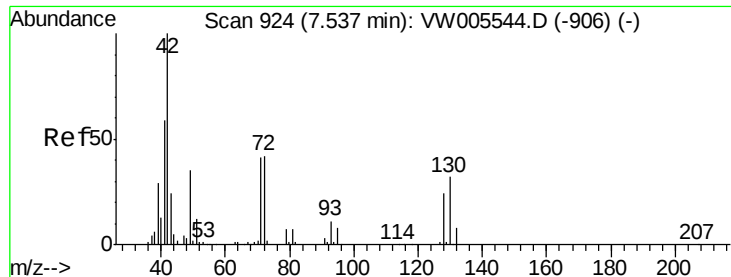


#28

Bromochloromethane
Concen: 45.630 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion	49	Resp	86947
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	77.1	61.3	91.9

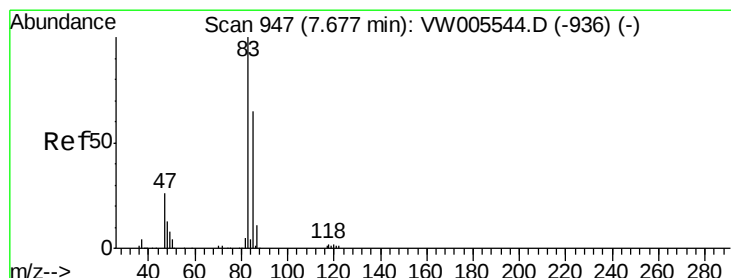
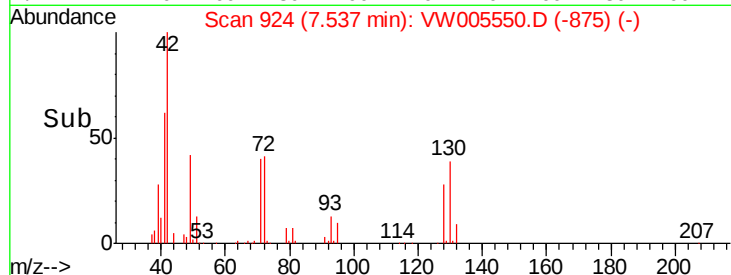
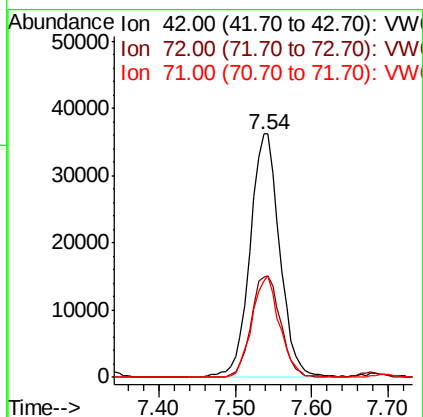
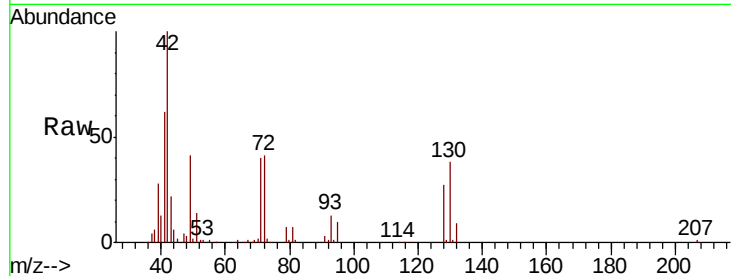




#29
Tetrahydrofuran
Concen: 217.501 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

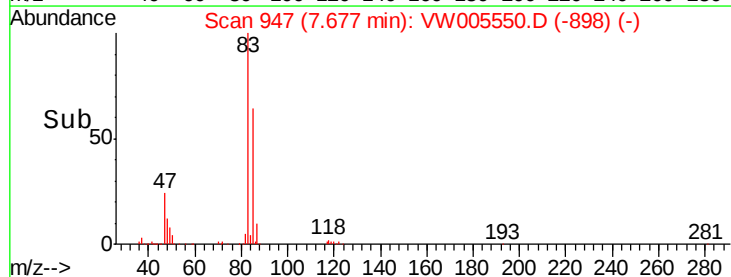
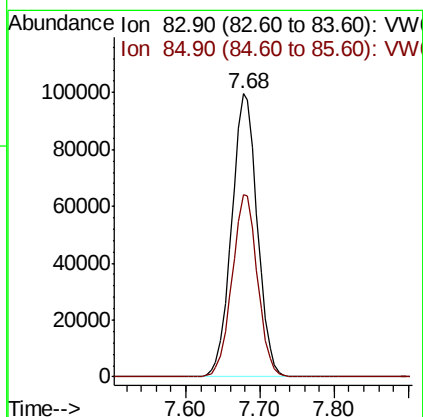
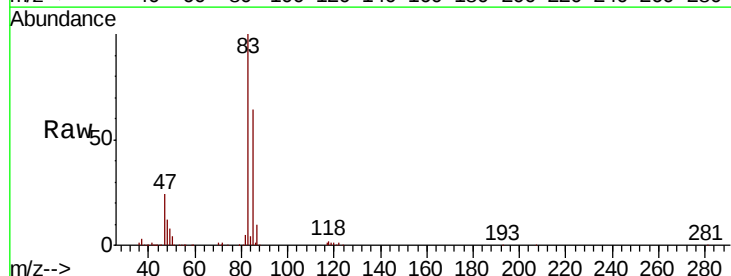
Instrument :
MSVOA_W
ClientSampleId :

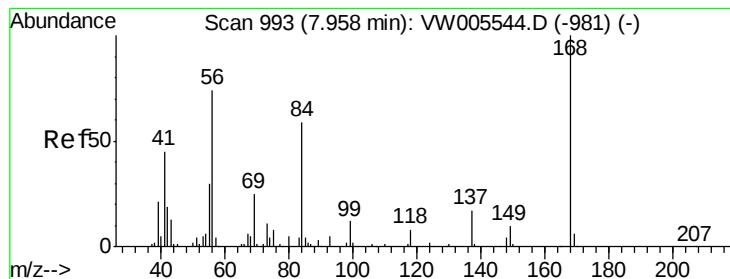
Tot Ion: 42 Resp: 98107
Ion Ratio Lower Upper
42 100
72 41.1 33.6 50.4
71 38.9 31.8 47.6



#30
Chloroform
Concen: 48.260 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 83 Resp: 239676
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.6





#31

Cyclohexane

Concen: 48.329 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :
MSVOA_W
ClientSampleId :

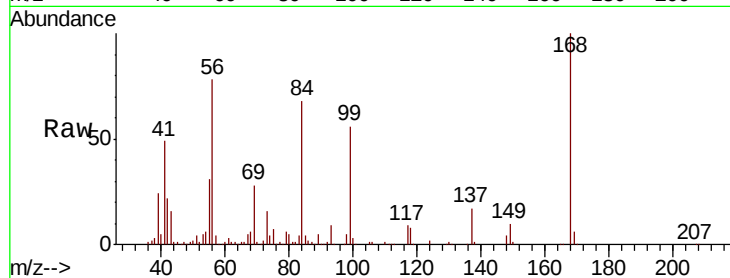
Tot Ion: 56 Resp: 222737

Ion Ratio Lower Upper

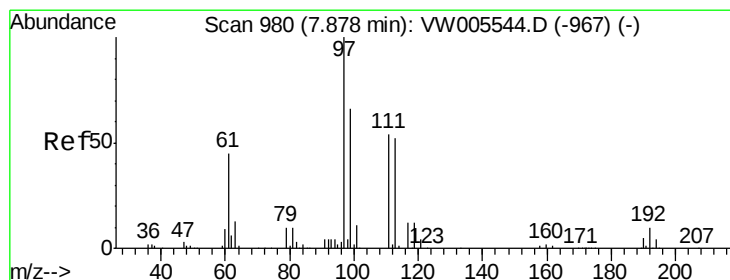
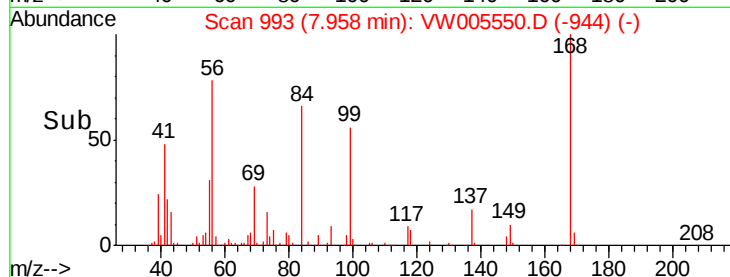
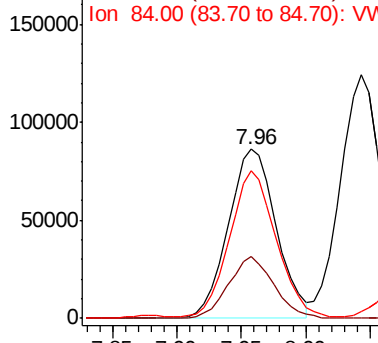
56 100

69 36.3 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: 49.429 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

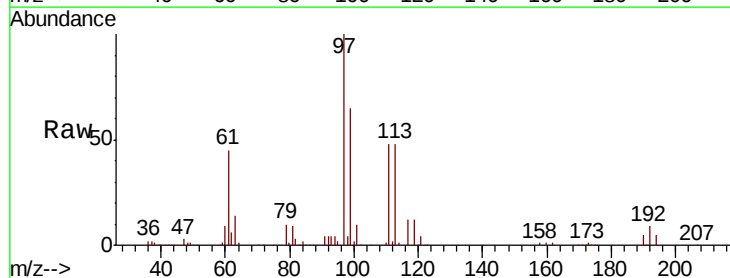
Tgt Ion: 97 Resp: 216858

Ion Ratio Lower Upper

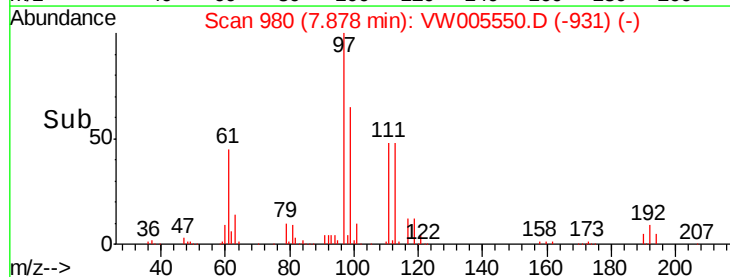
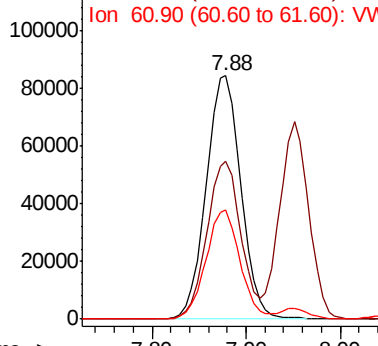
97 100

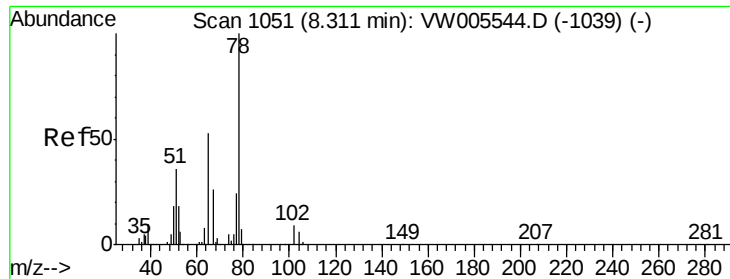
99 63.9 51.0 76.6

61 44.2 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

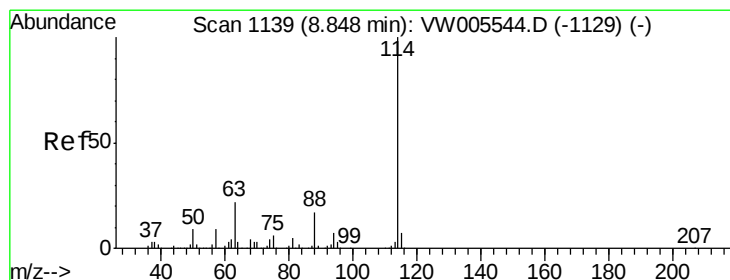
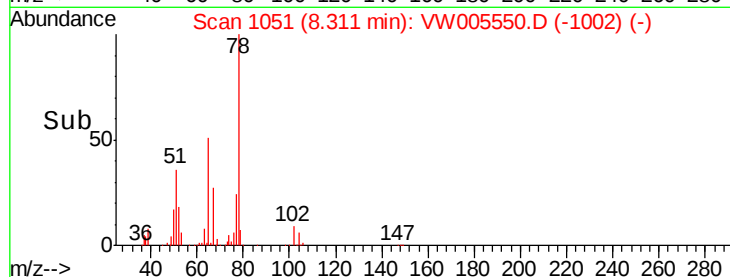
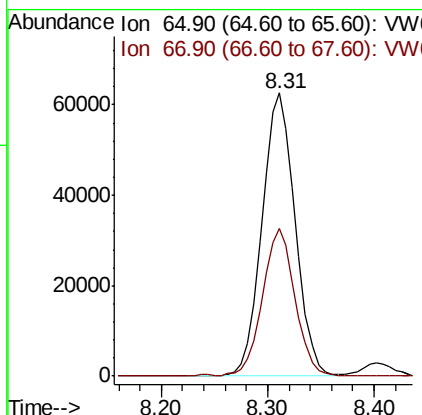
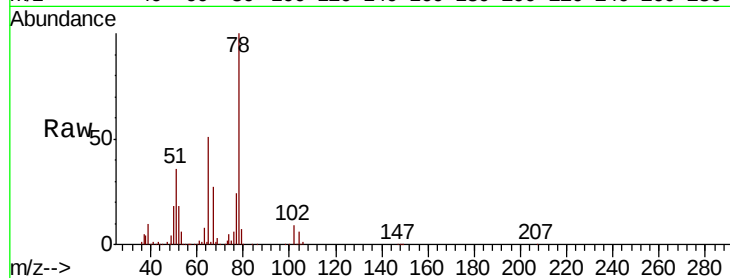




#33
 1,2-Dichloroethane-d4
 Concen: 45.611 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

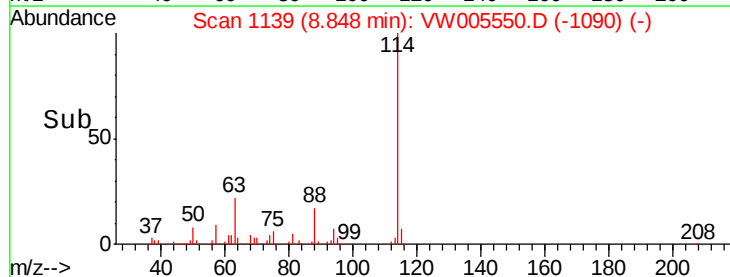
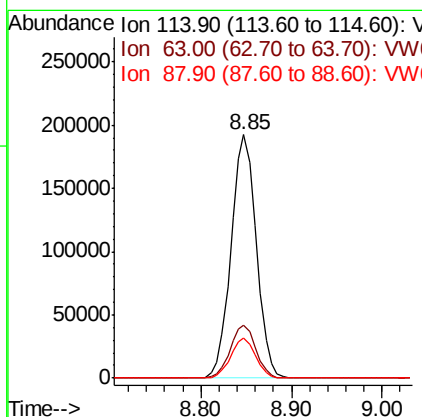
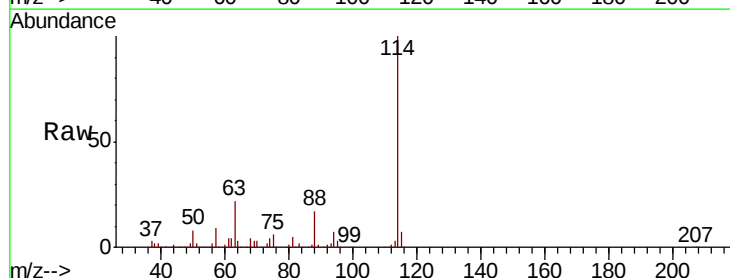
Instrument :
 MSVOA_W
 ClientSampleId :

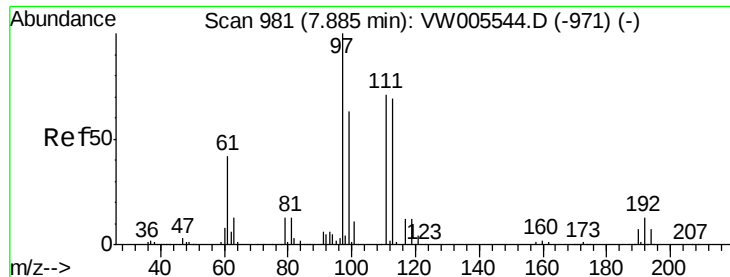
Tot Ion	65	Resp	135589
Ion Ratio	Lower	Upper	
65	100		
67	51.2	0.0	100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Tgt Ion	114	Resp	374433
Ion Ratio	Lower	Upper	
114	100		
63	21.9	0.0	43.0
88	16.5	0.0	33.0

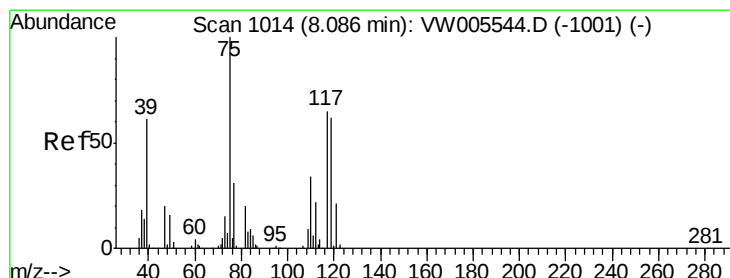
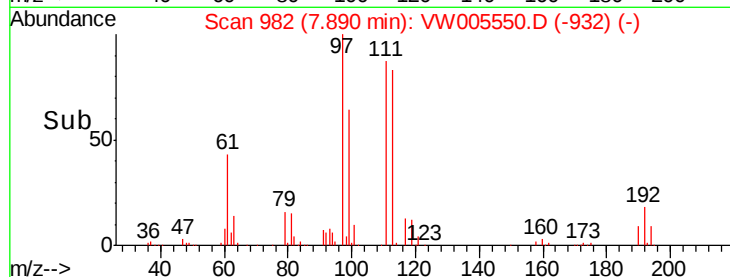
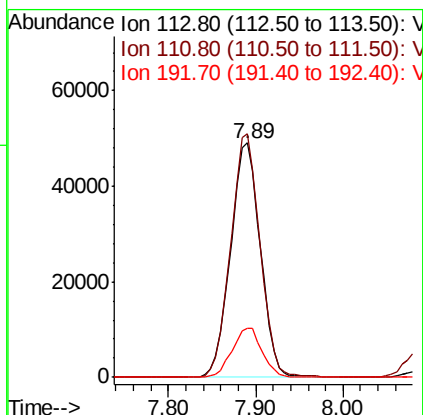
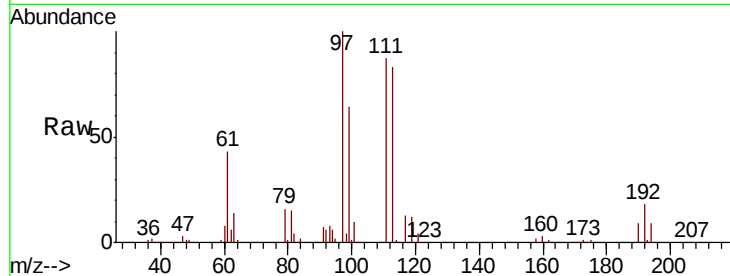




#35
 Dibromofluoromethane
 Concen: 49.289 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

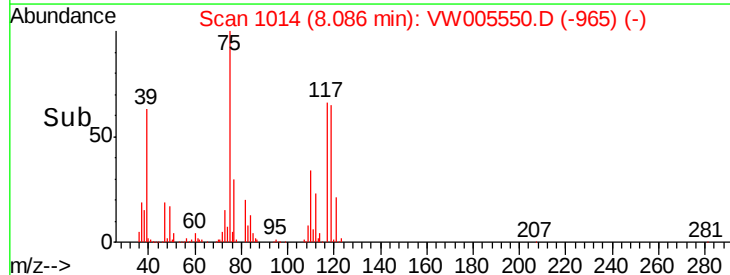
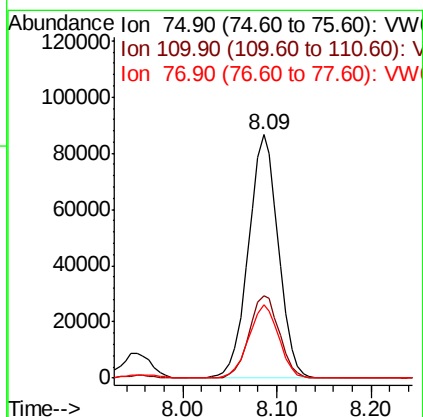
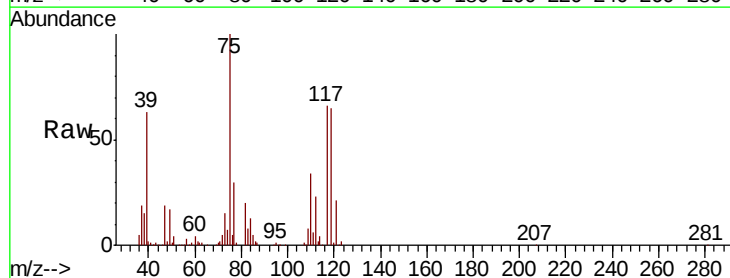
Instrument :
 MSVOA_W
 ClientSampleId :

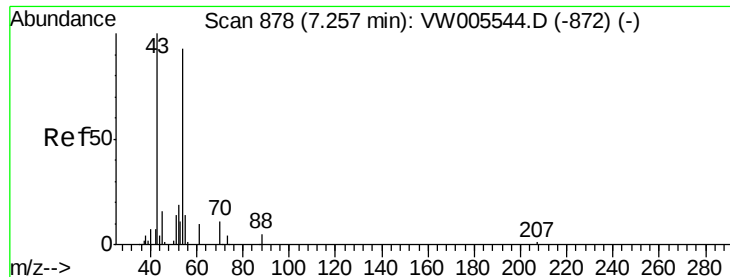
Tot Ion:113 Resp: 116059
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 21.1 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 51.210 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Tgt Ion: 75 Resp: 193024
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.0 50.9
 77 30.3 24.8 37.2

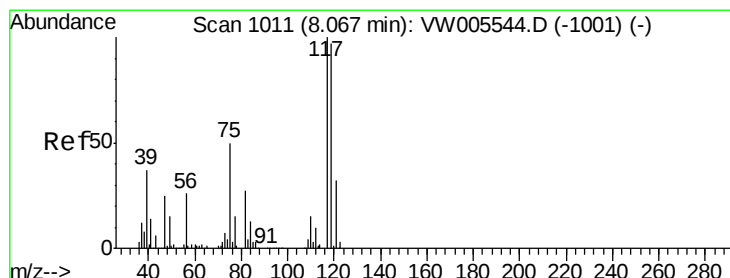
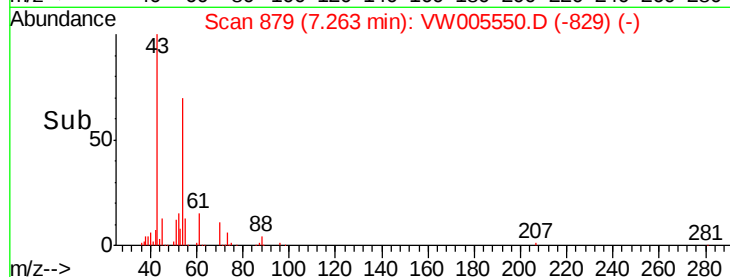
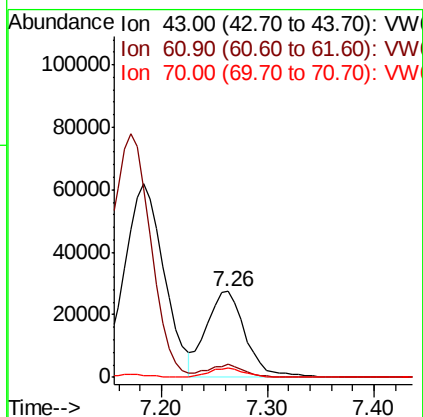
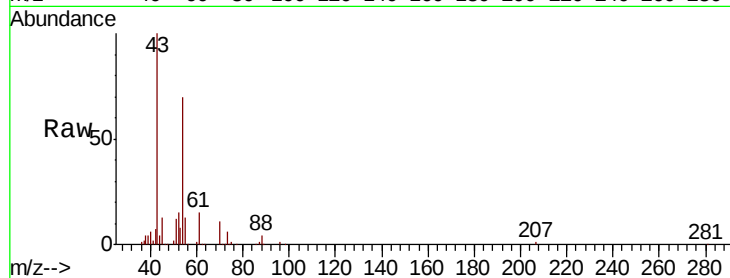




#37
Ethyl Acetate
Concen: 43.717 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

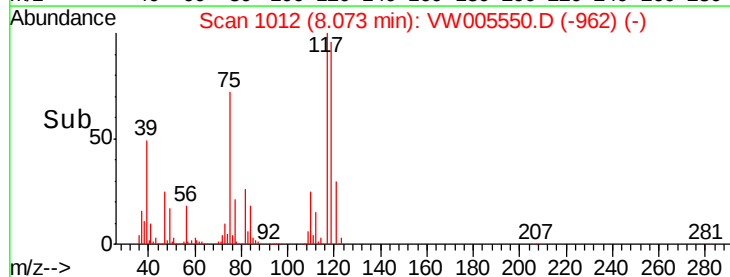
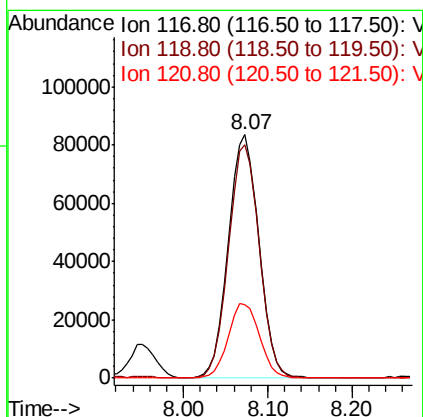
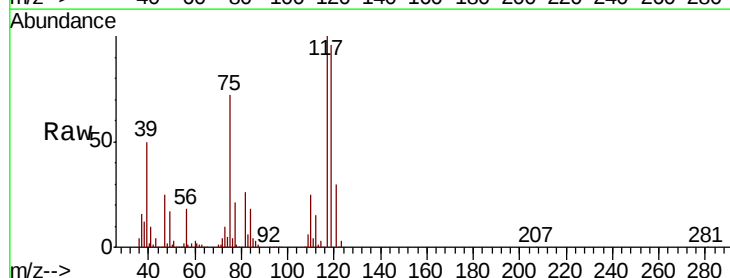
Instrument :
MSVOA_W
ClientSampled :

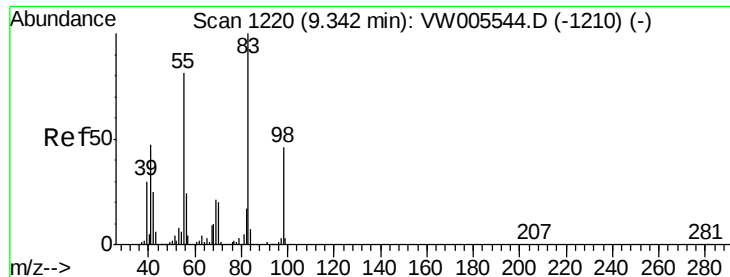
Tot Ion: 43 Resp: 69343
Ion Ratio Lower Upper
43 100
61 13.3 10.4 15.6
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 51.027 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 117 Resp: 206101
Ion Ratio Lower Upper
117 100
119 95.7 77.6 116.4
121 30.3 25.7 38.5

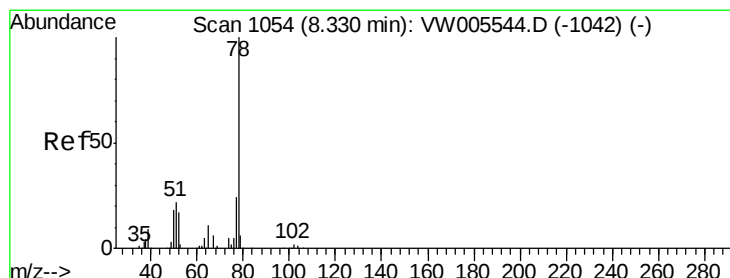
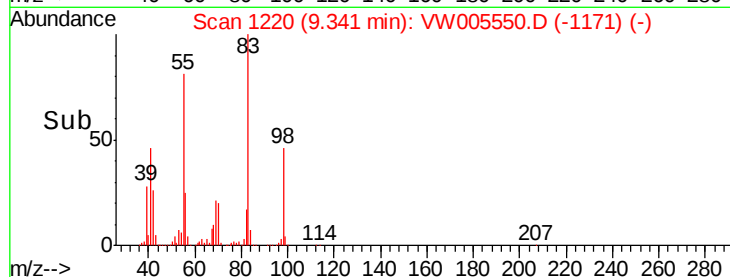
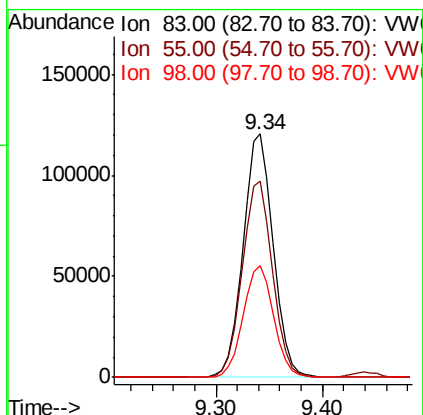
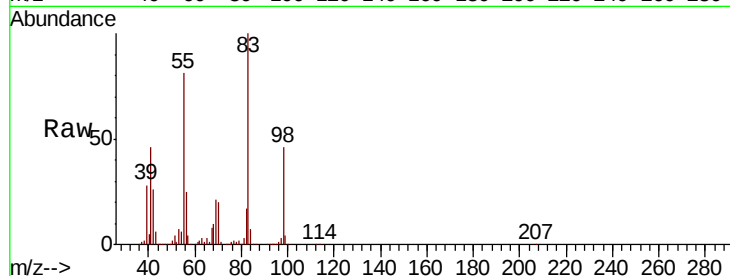




#39
Methvlcvclohexane
Concen: 53.680 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

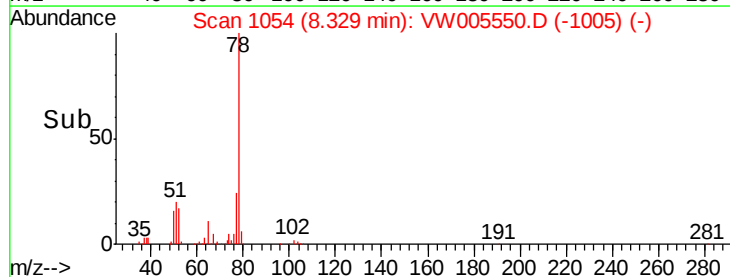
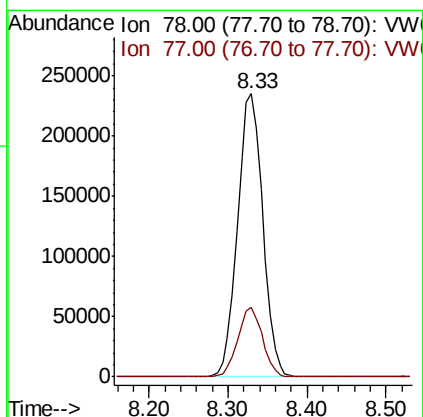
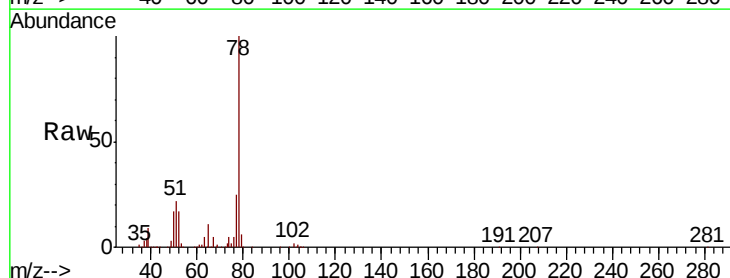
Instrument :
MSVOA_W
ClientSampleId :

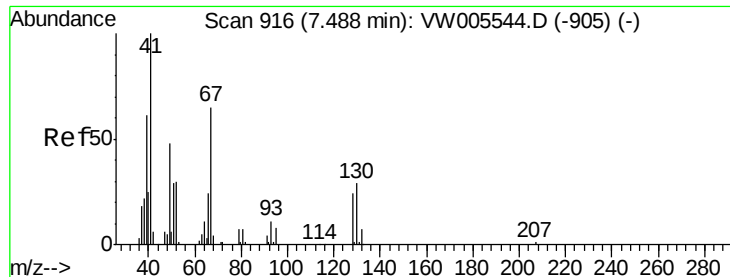
Tot Ion: 83 Resp: 238720
Ion Ratio Lower Upper
83 100
55 80.8 64.6 97.0
98 45.7 37.0 55.6



#40
Benzene
Concen: 49.012 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 78 Resp: 523437
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.4

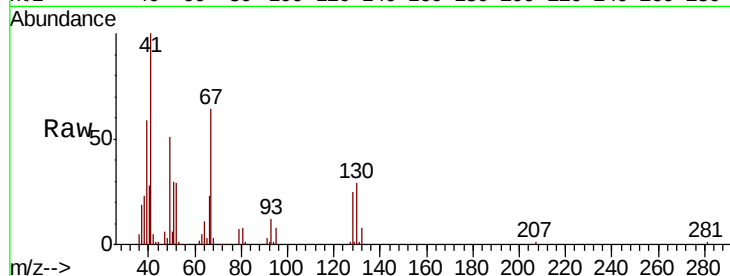




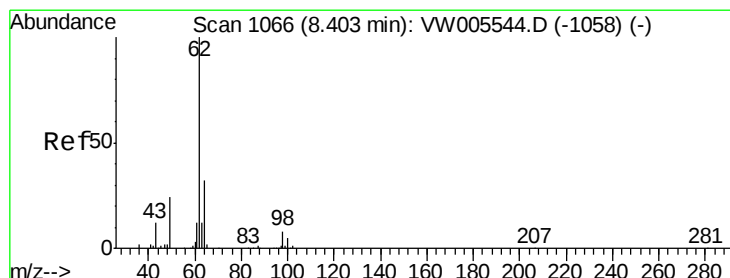
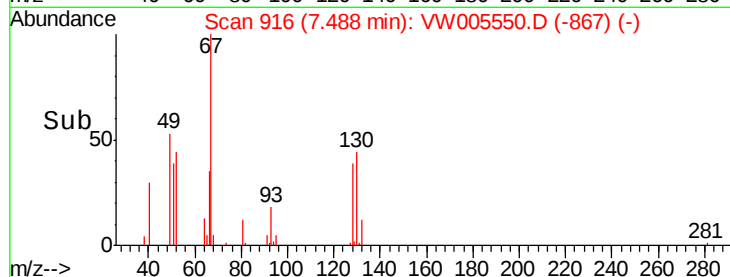
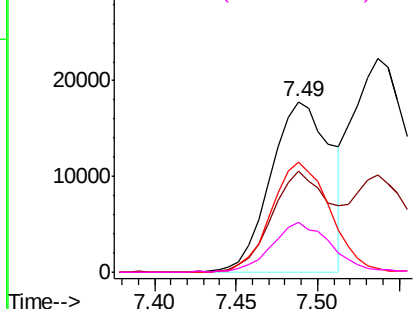
#41
Methacrylonitrile
Concen: 50.565 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	45642
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.4	68.2
67	63.0	55.2	82.8
52	29.3	25.3	37.9

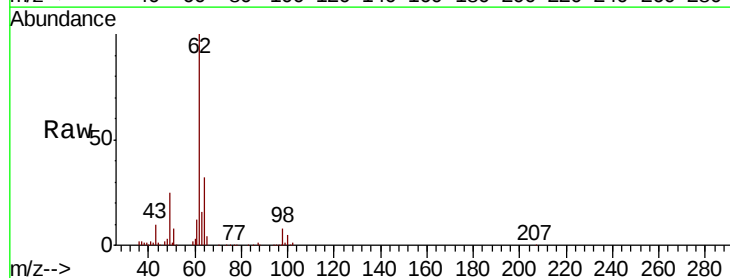


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

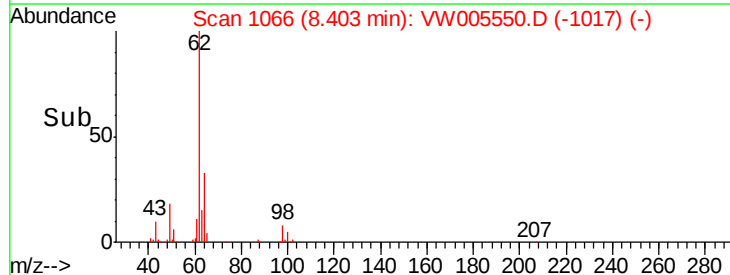
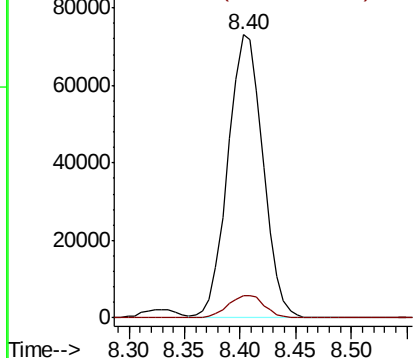


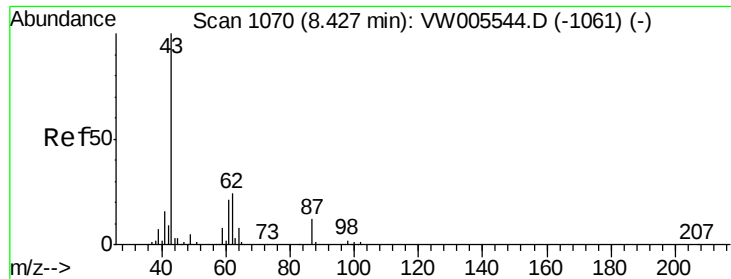
#42
1,2-Dichloroethane
Concen: 46.586 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion:	62	Resp:	159291
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 44.832 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampled :

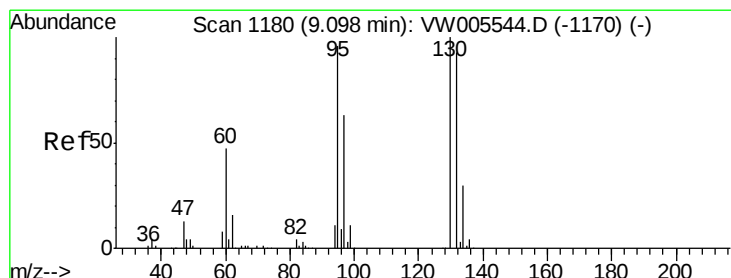
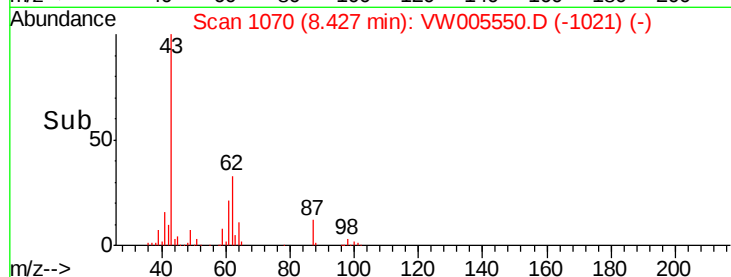
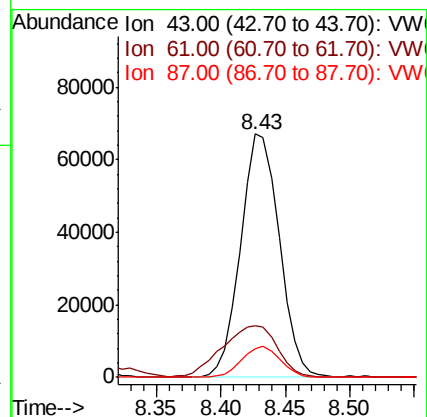
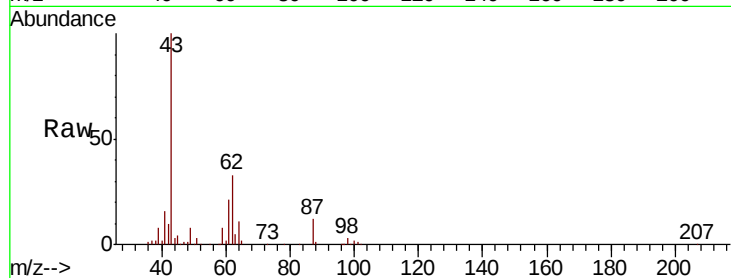
Tot Ion: 43 Resp: 139814

Ion Ratio Lower Upper

43 100

61 30.5 24.1 36.1

87 12.5 9.8 14.8



#44

Trichloroethene

Concen: 49.836 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005550.D

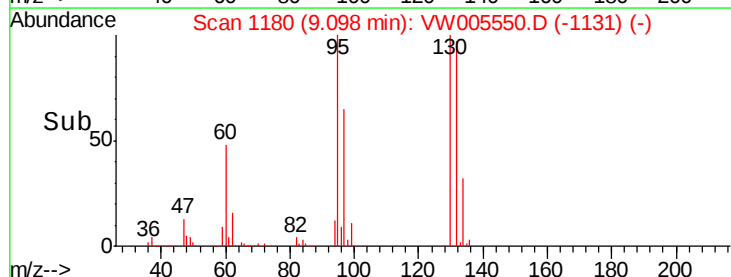
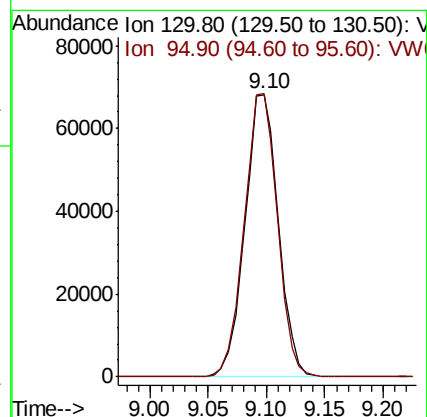
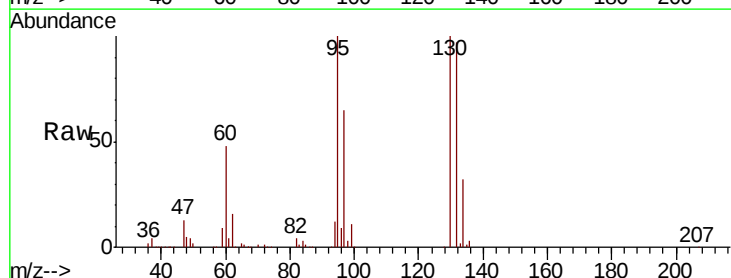
Acq: 21 Sep 2018 10:28

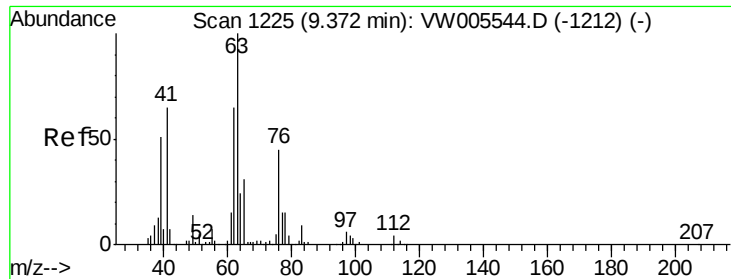
Tgt Ion:130 Resp: 136233

Ion Ratio Lower Upper

130 100

95 100.3 0.0 191.2





#45

1,2-Dichloropropane

Concen: 48.628 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

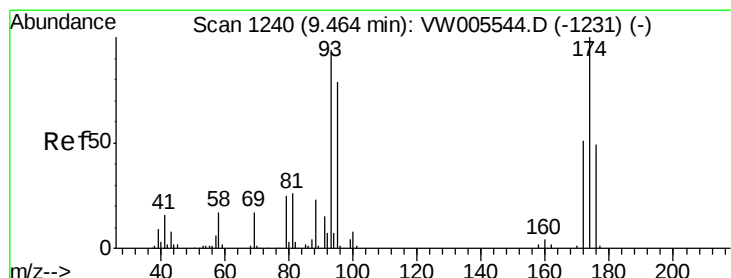
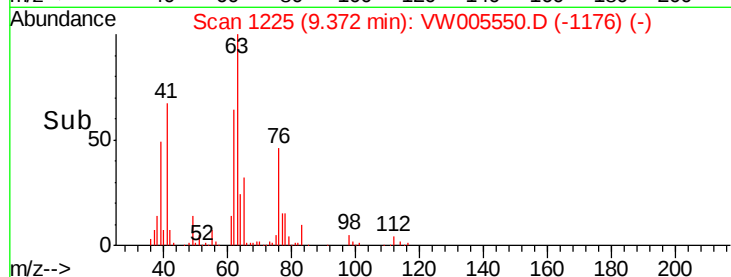
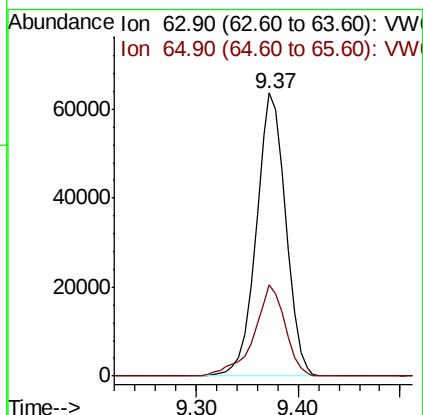
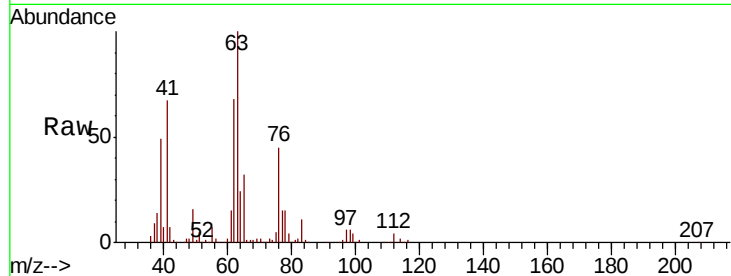
ClientSampleId :

Tot Ion: 63 Resp: 127765

Ion Ratio Lower Upper

63 100

65 32.3 24.7 37.1



#46

Dibromomethane

Concen: 45.995 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

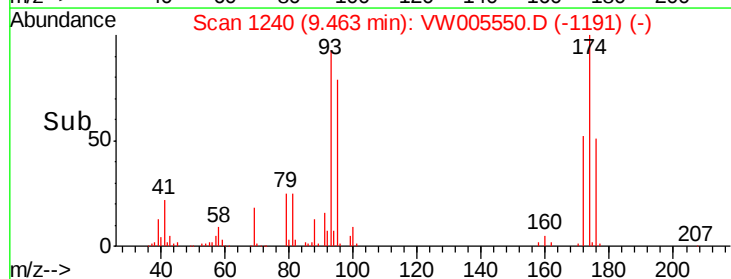
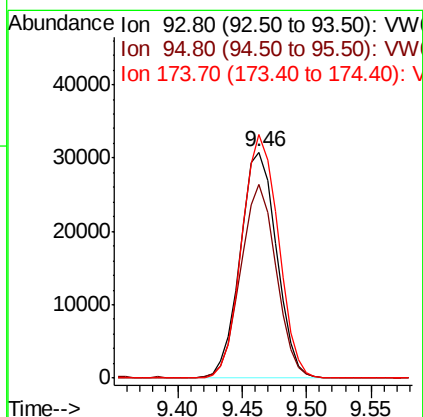
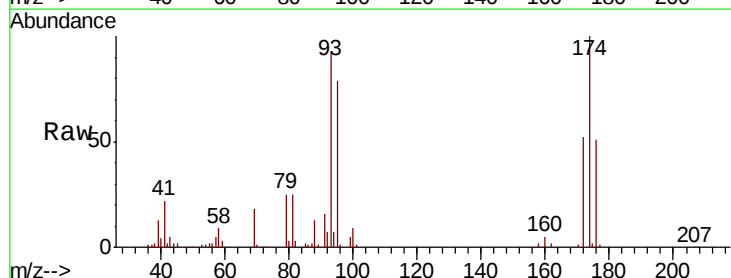
Tgt Ion: 93 Resp: 60382

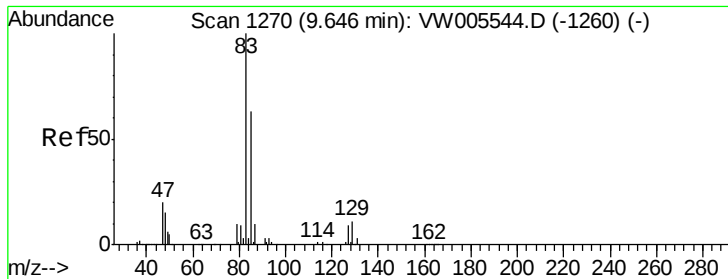
Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.8

174 107.5 84.0 126.0





#47

Bromodichloromethane

Concen: 48.154 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

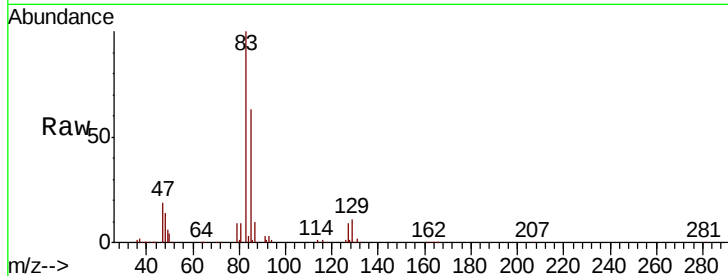
Tot Ion: 83 Resp: 169817

Ion Ratio Lower Upper

83 100

85 63.3 50.5 75.7

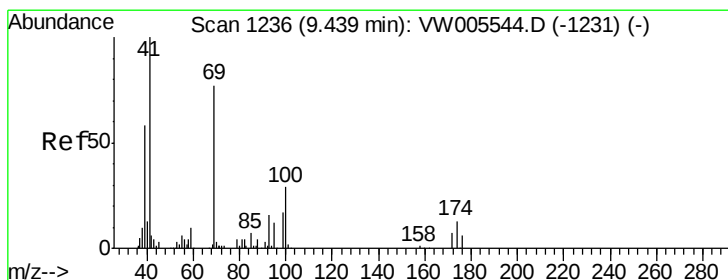
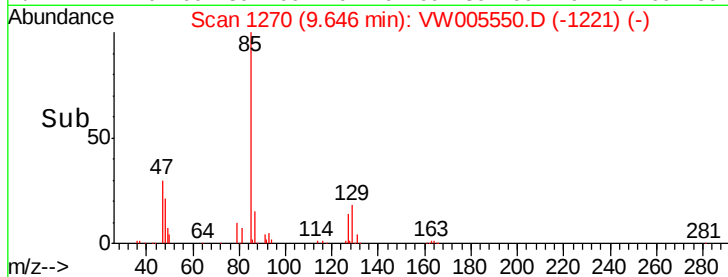
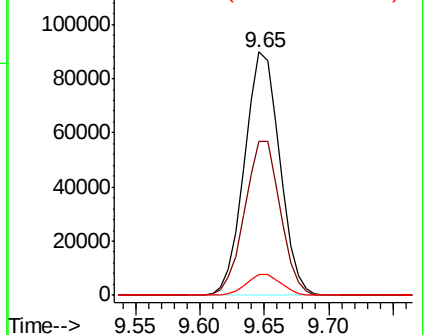
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.212 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

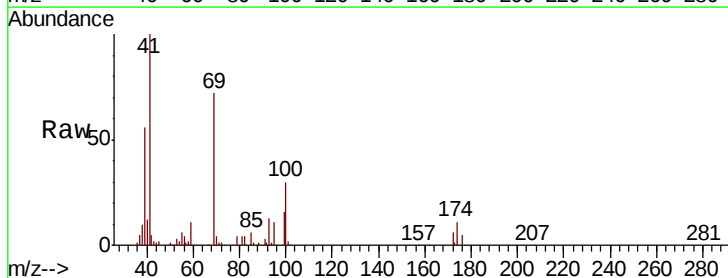
Tgt Ion: 41 Resp: 69933

Ion Ratio Lower Upper

41 100

69 81.0 64.7 97.1

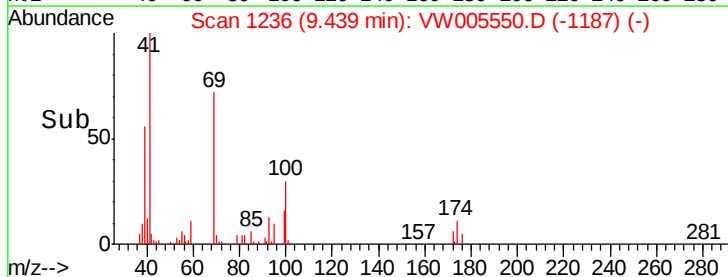
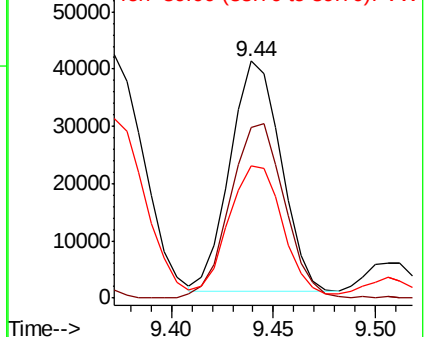
39 57.8 50.5 75.7

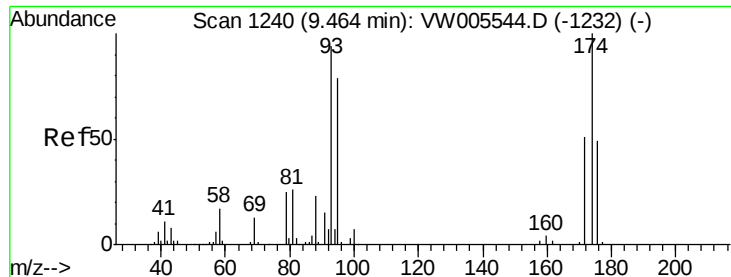


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 945.110 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

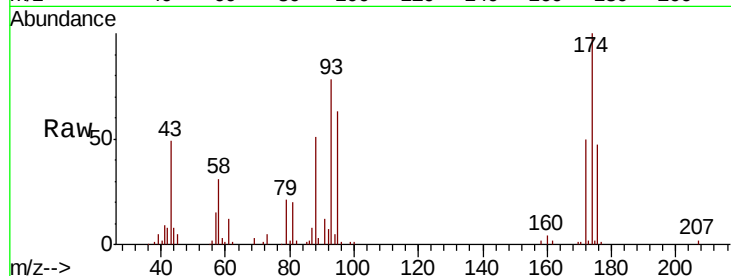
Tot Ion: 88 Resp: 19726

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

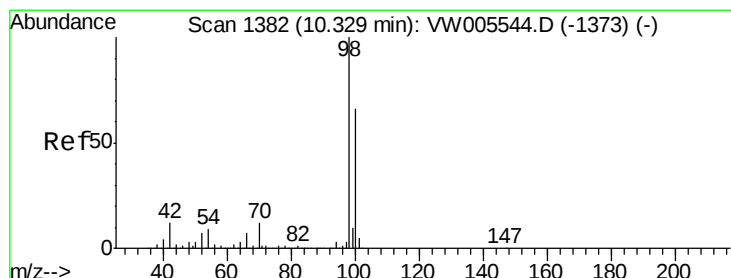
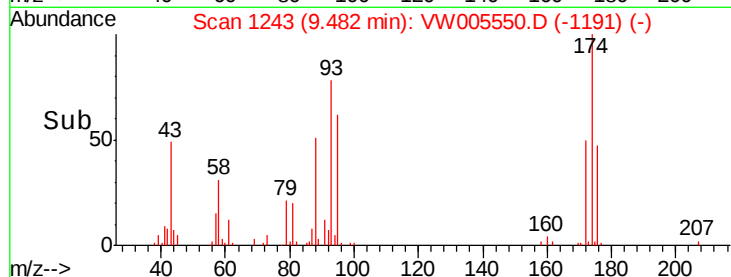
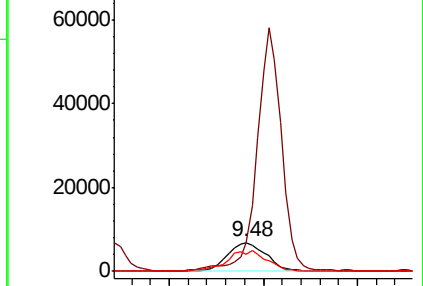
58 75.2 61.2 91.8



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: 51.260 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005550.D

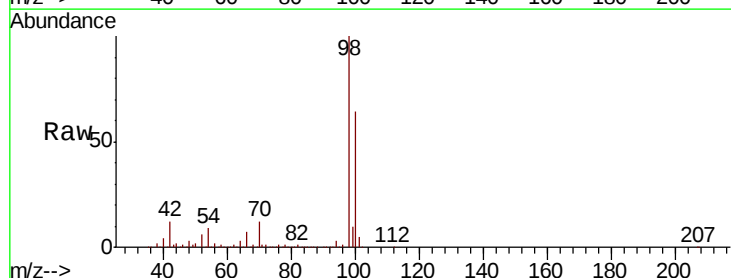
Acq: 21 Sep 2018 10:28

Tgt Ion: 98 Resp: 491467

Ion Ratio Lower Upper

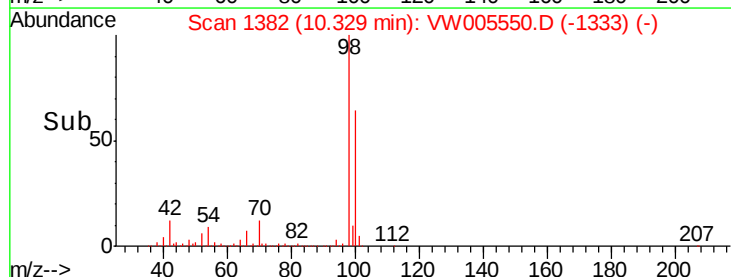
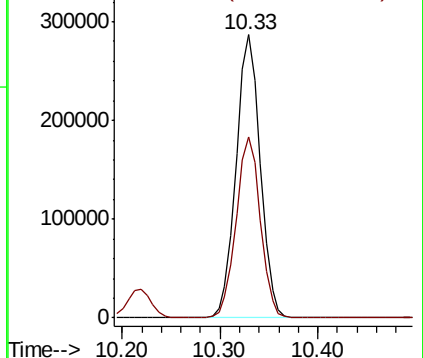
98 100

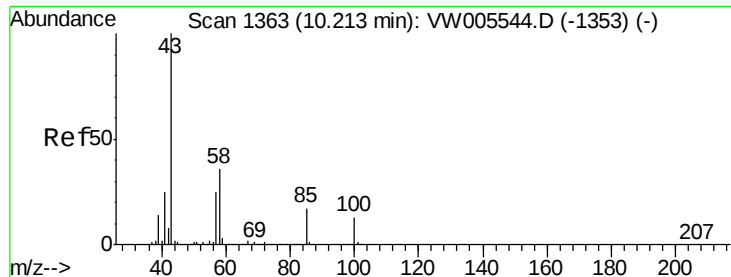
100 63.9 51.6 77.4



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: 226.512 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

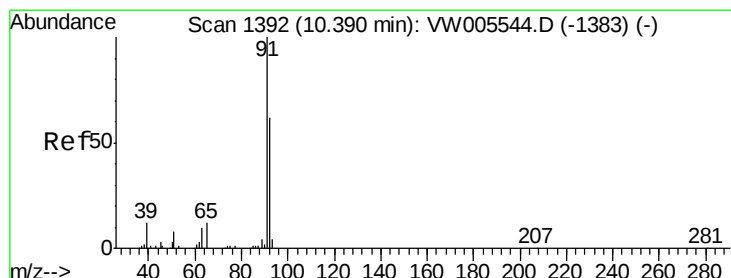
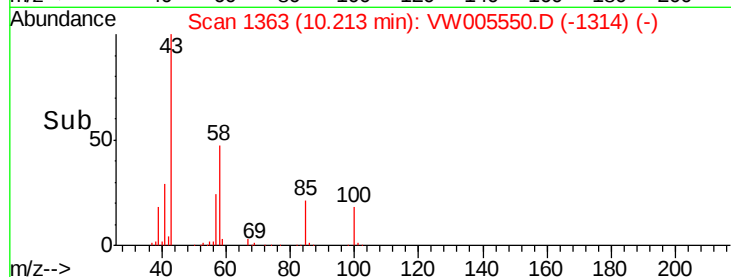
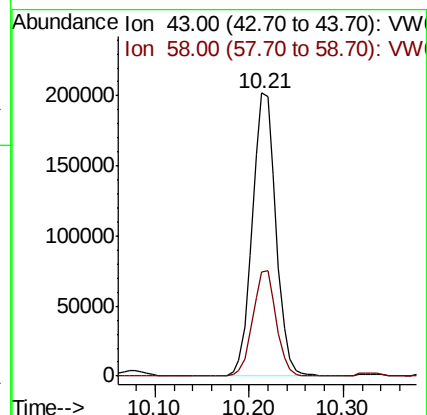
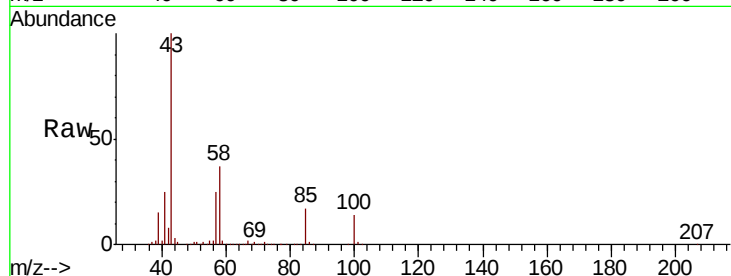
ClientSampleId :

Tot Ion: 43 Resp: 355789

Ion Ratio Lower Upper

43 100

58 37.0 30.0 45.0



#52

Toluene

Concen: 50.540 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005550.D

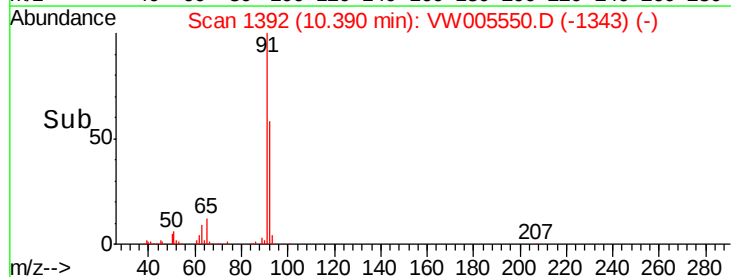
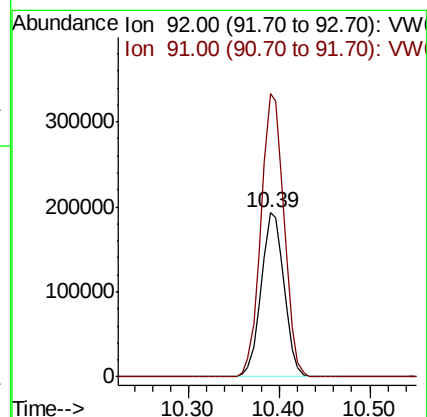
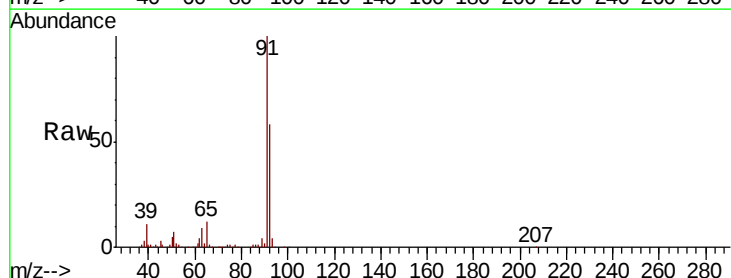
Acq: 21 Sep 2018 10:28

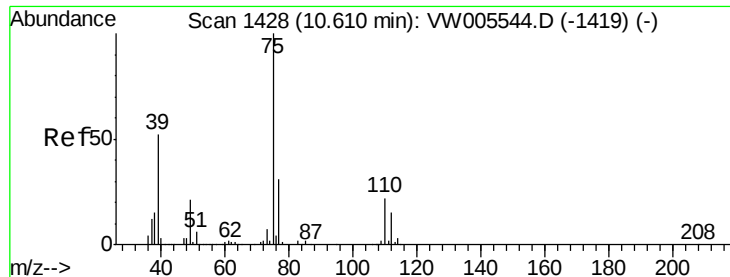
Tgt Ion: 92 Resp: 336779

Ion Ratio Lower Upper

92 100

91 174.1 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 49.983 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

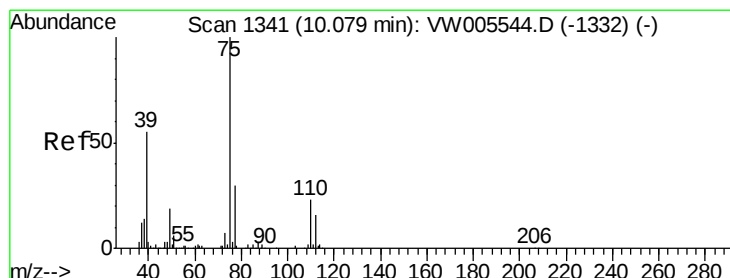
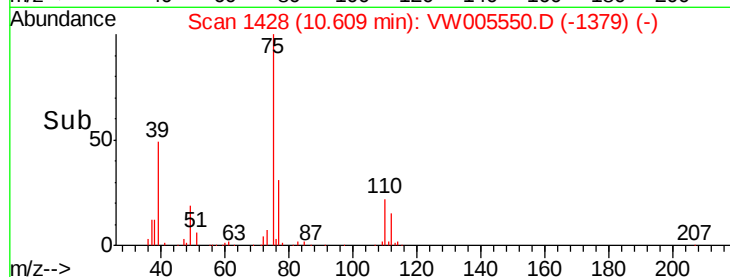
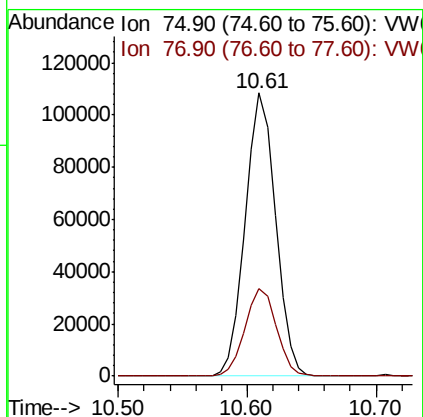
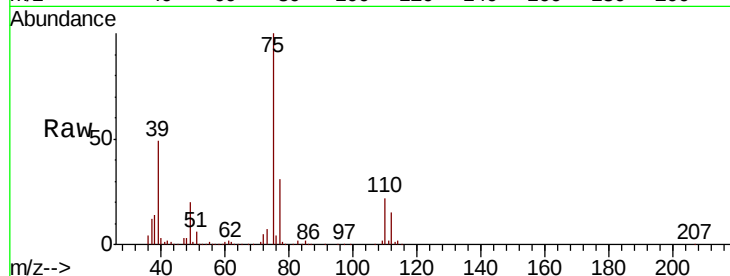
ClientSampled :

Tot Ion: 75 Resp: 176703

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 50.564 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

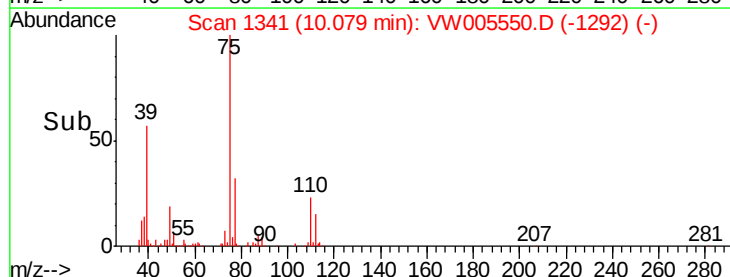
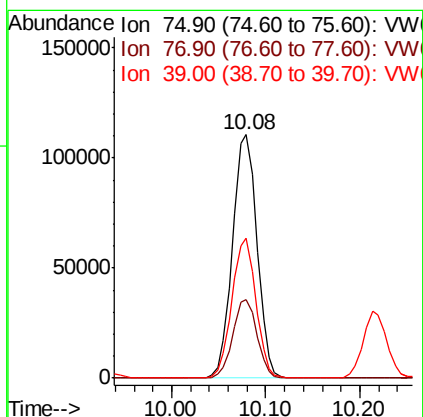
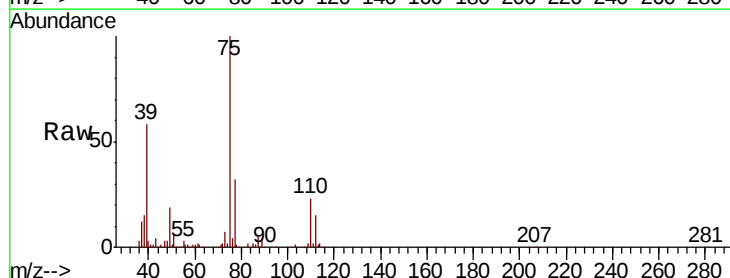
Tgt Ion: 75 Resp: 200286

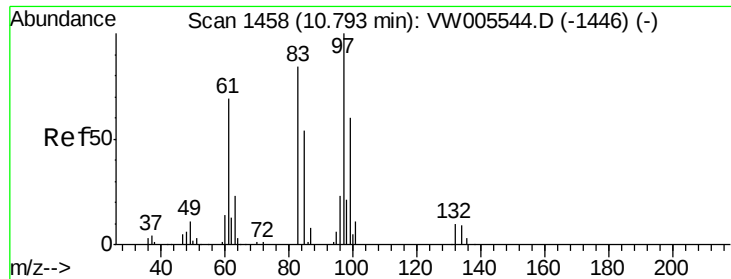
Ion Ratio Lower Upper

75 100

77 32.3 24.3 36.5

39 57.4 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 46.963 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 87515

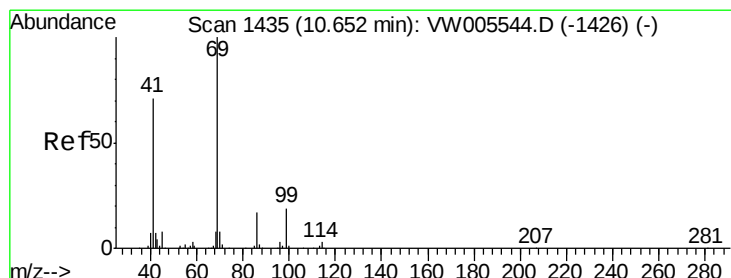
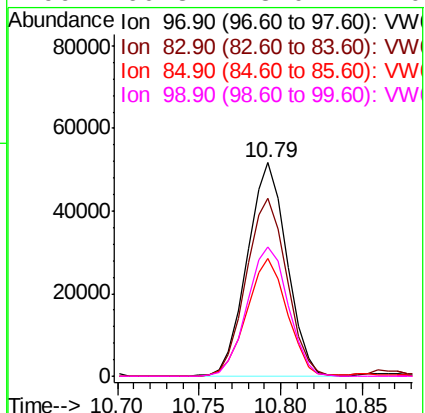
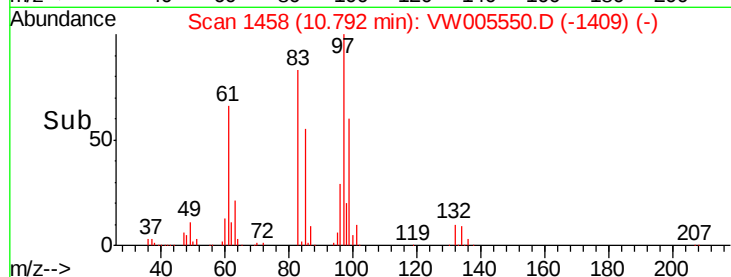
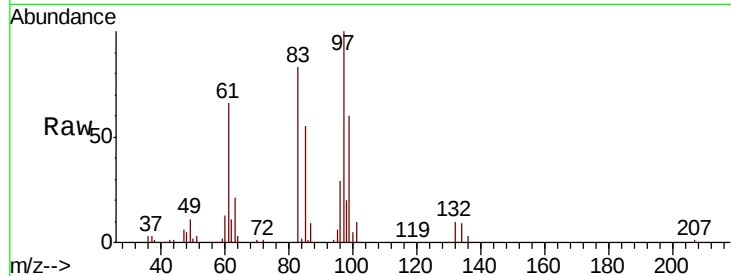
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.4	101.2
85	54.9	43.3	64.9
99	60.3	48.0	72.0

97 100

83 83.2 67.4 101.2

85 54.9 43.3 64.9

99 60.3 48.0 72.0



#56

Ethyl methacrylate

Concen: 48.020 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

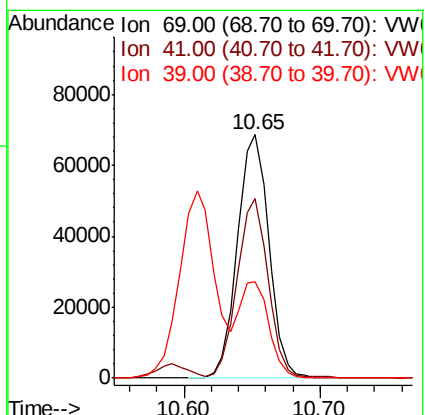
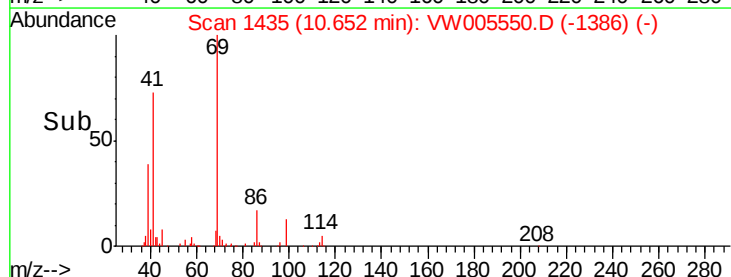
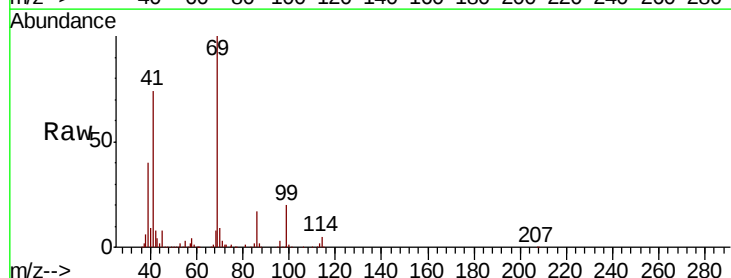
Tgt Ion: 69 Resp: 110464

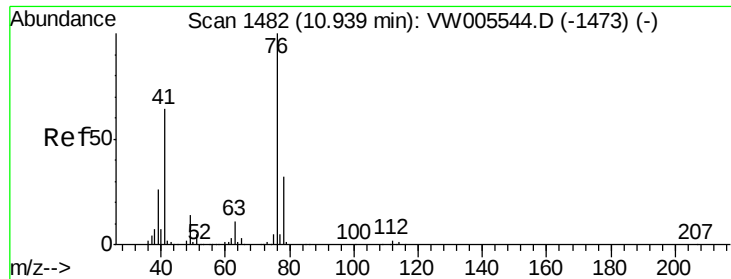
Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.3	85.9
39	37.2	29.2	43.8

69 100

41 72.4 57.3 85.9

39 37.2 29.2 43.8

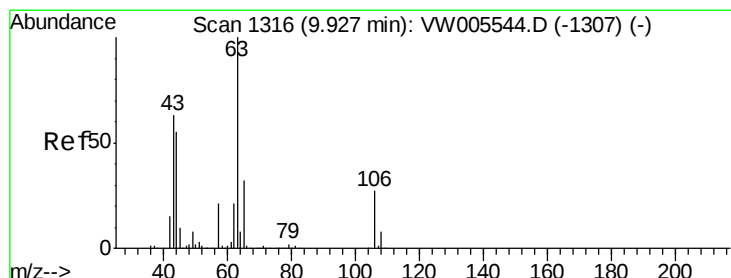
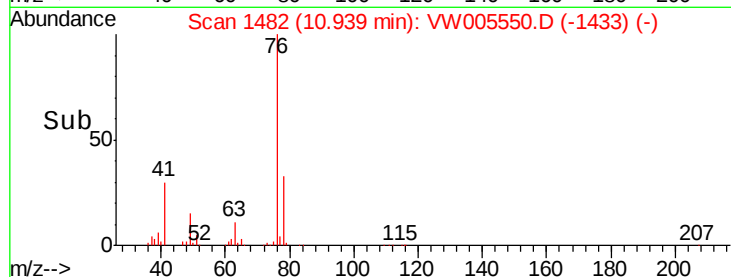
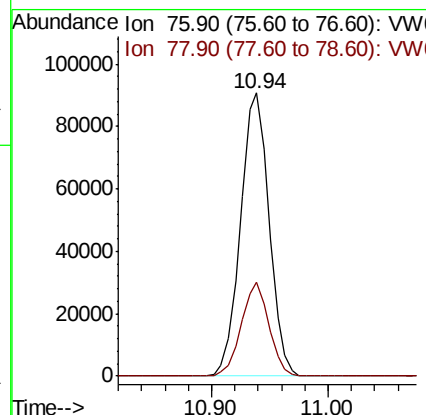
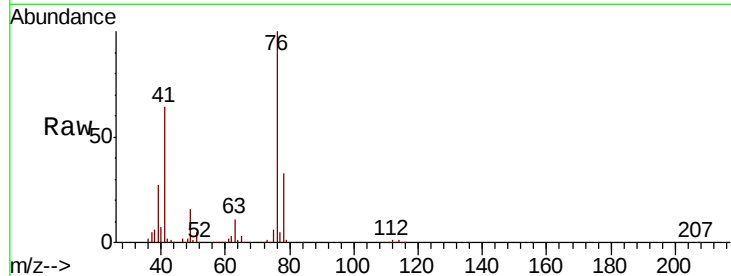




#57
 1,3-Dichloropropane
 Concen: 47.064 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

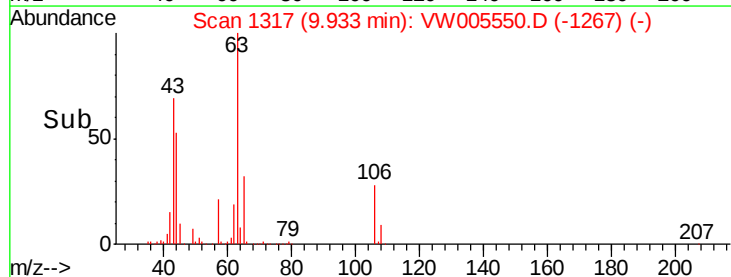
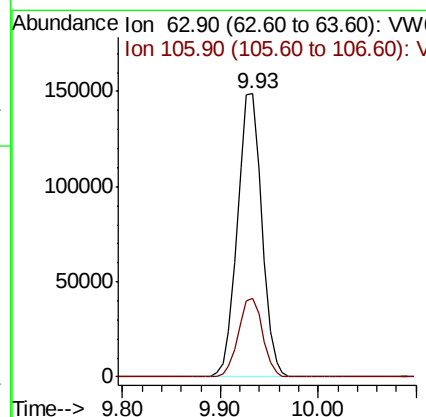
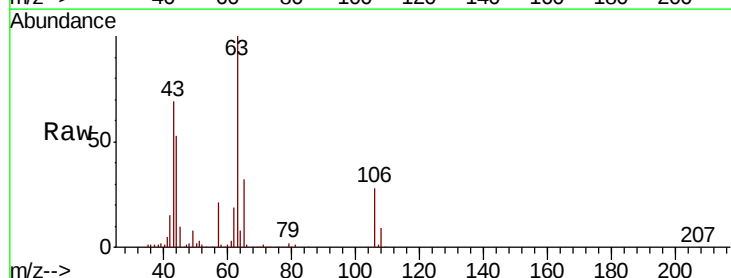
Instrument :
 MSVOA_W
 ClientSampled :

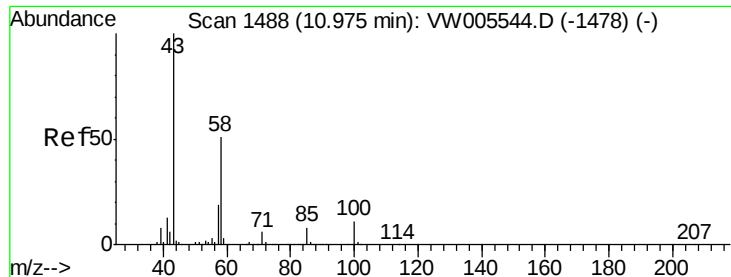
Tot Ion: 76 Resp: 155438
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.409 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Tgt Ion: 63 Resp: 257991
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.6 32.4

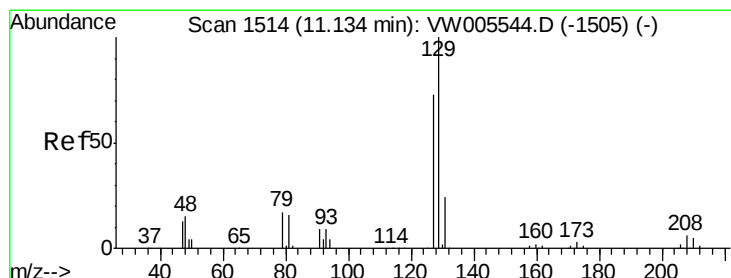
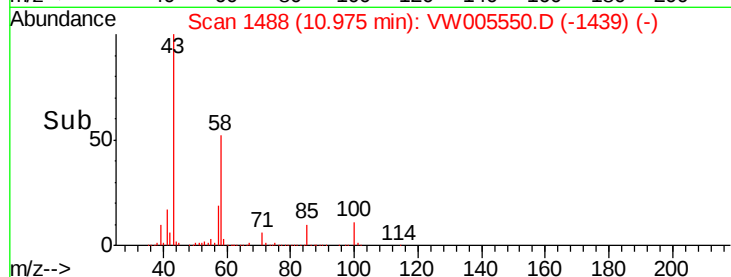
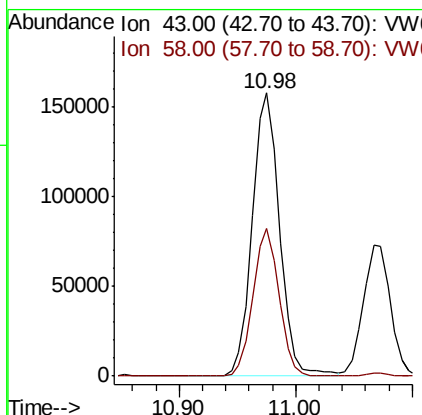
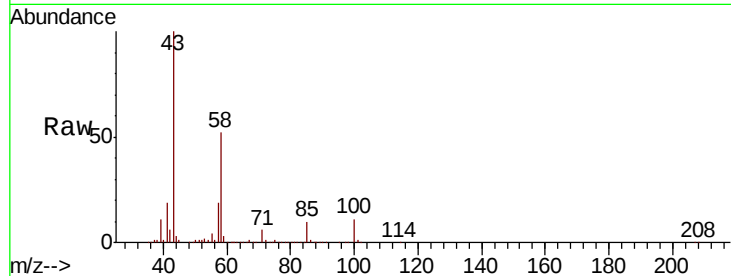




#59
2-Hexanone
Concen: 242.566 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

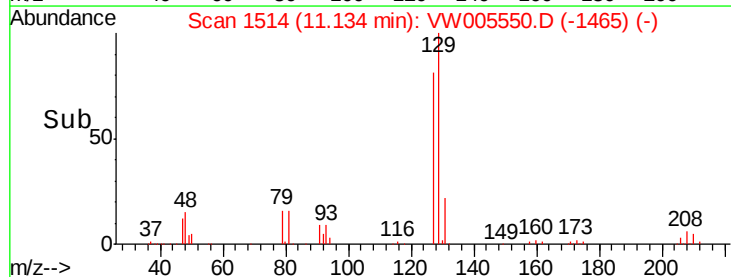
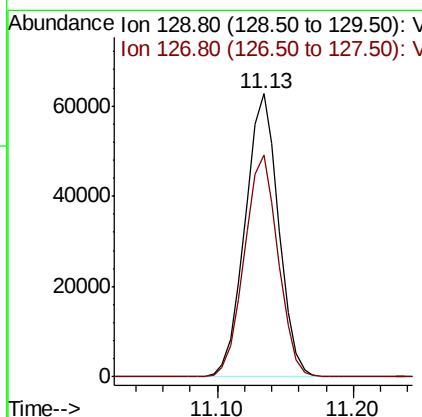
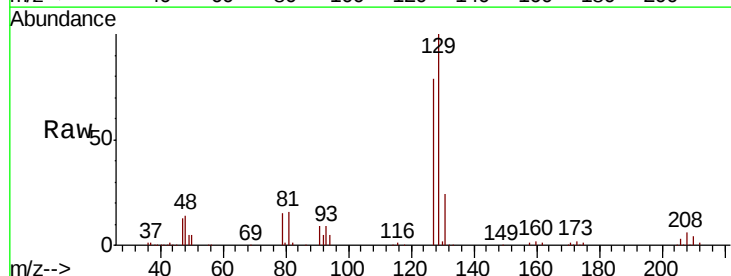
Instrument :
MSVOA_W
ClientSampleId :

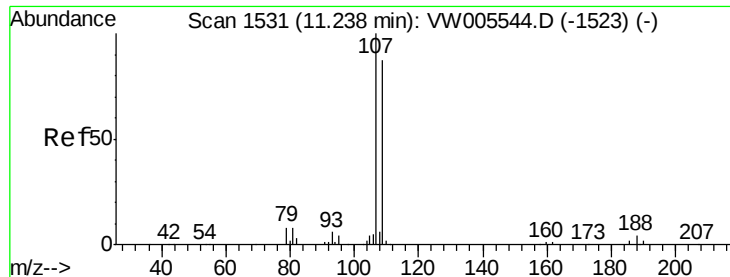
Tot Ion: 43 Resp: 258828
Ion Ratio Lower Upper
43 100
58 49.9 25.3 75.9



#60
Dibromochloromethane
Concen: 47.957 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 129 Resp: 107978
Ion Ratio Lower Upper
129 100
127 79.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.042 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

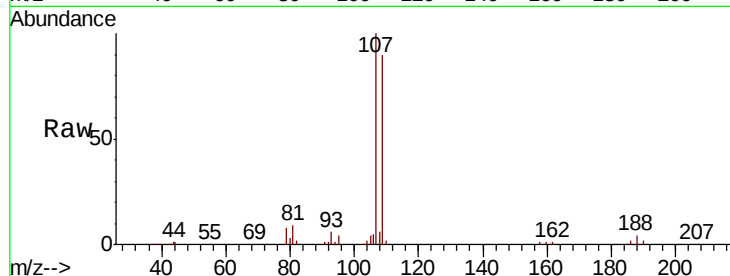
ClientSampled :

Tot Ion:107 Resp: 81733

Ion Ratio Lower Upper

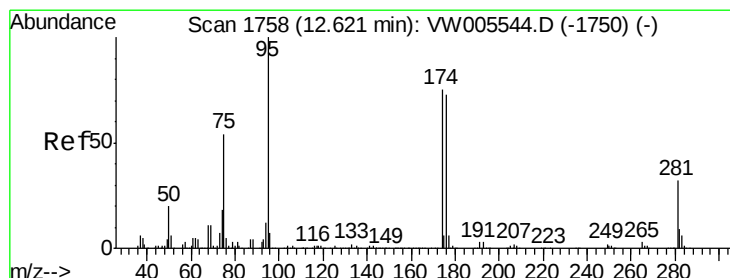
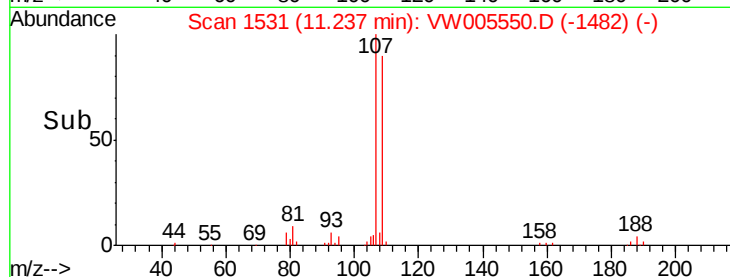
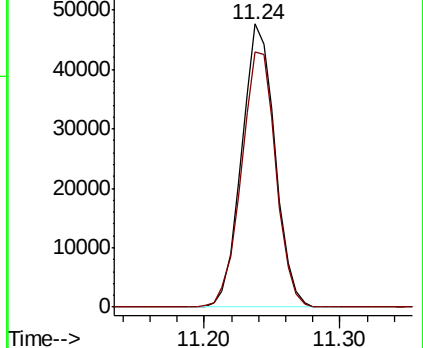
107 100

109 92.9 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.113 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

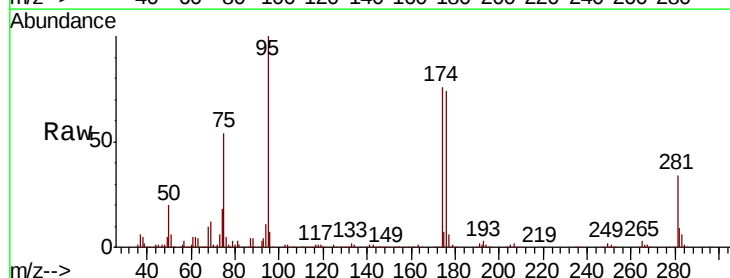
Tgt Ion: 95 Resp: 174237

Ion Ratio Lower Upper

95 100

174 82.5 0.0 163.8

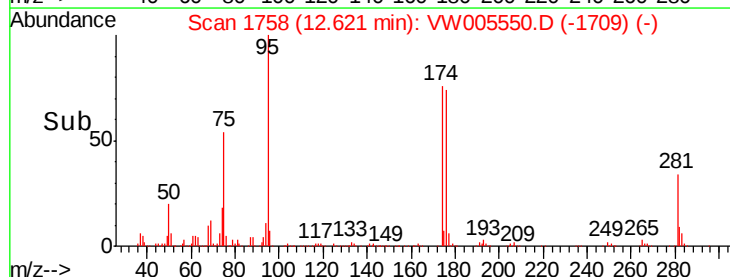
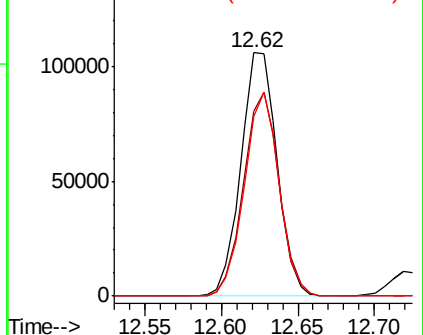
176 80.2 0.0 158.0

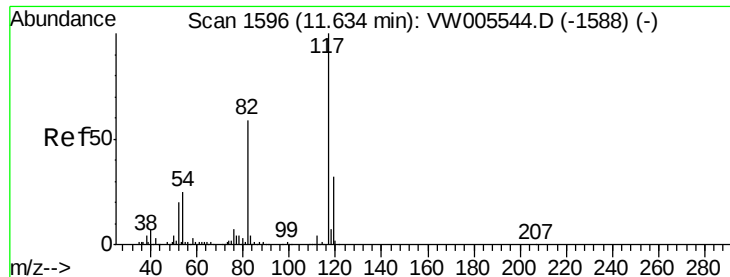


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

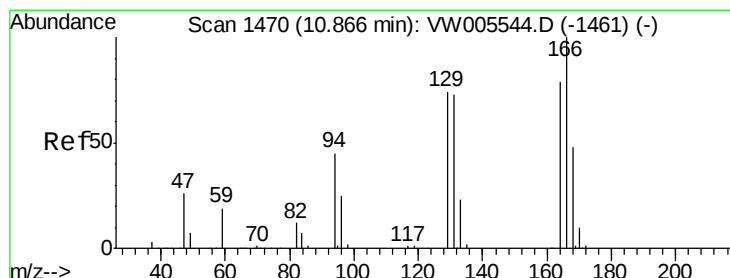
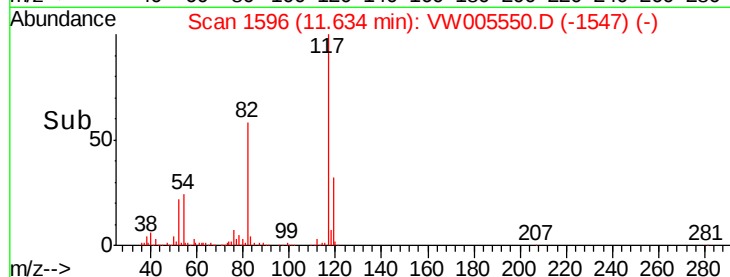
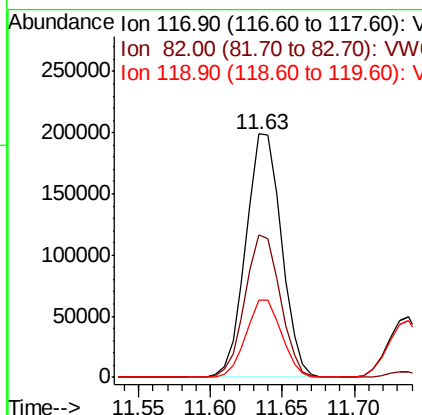
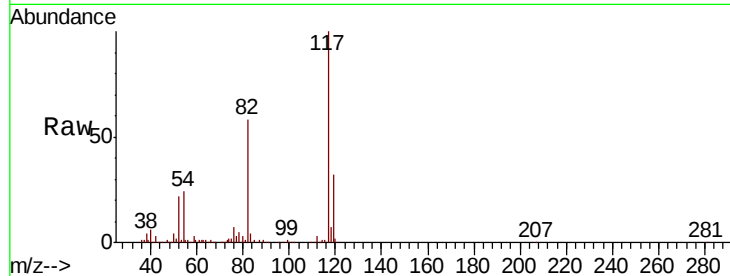




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

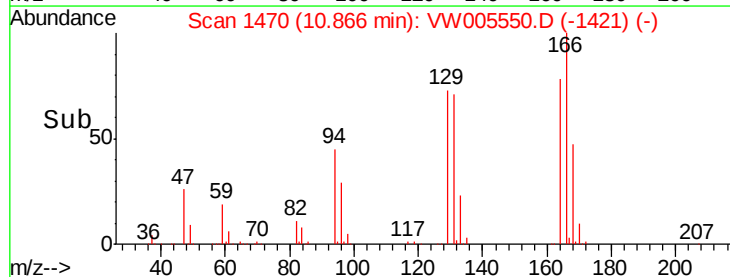
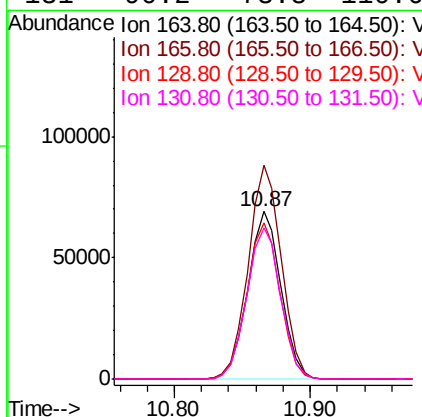
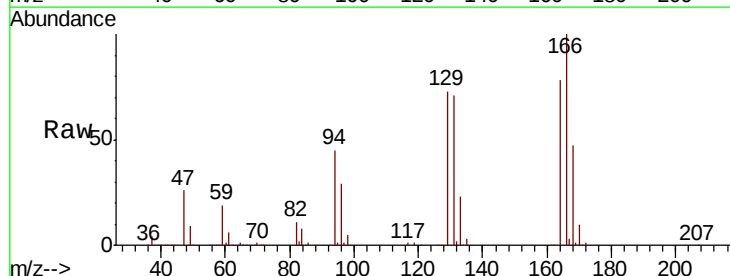
Instrument :
MSVOA_W
ClientSampled :

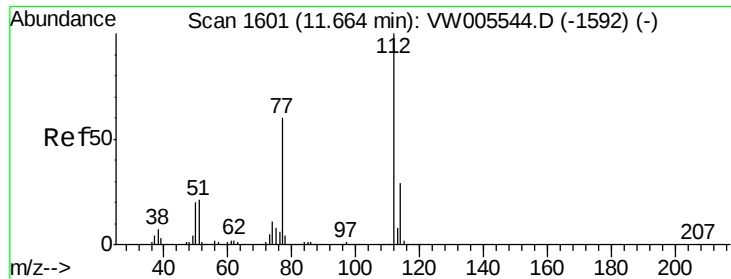
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	31.6	25.7	38.5



#64
Tetrachloroethene
Concen: 48.605 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.1	151.7
129	93.3	74.4	111.6
131	90.2	73.8	110.6

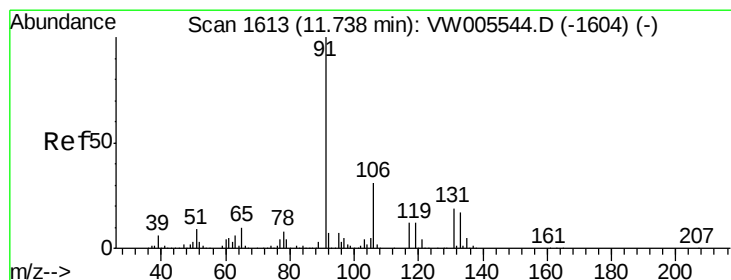
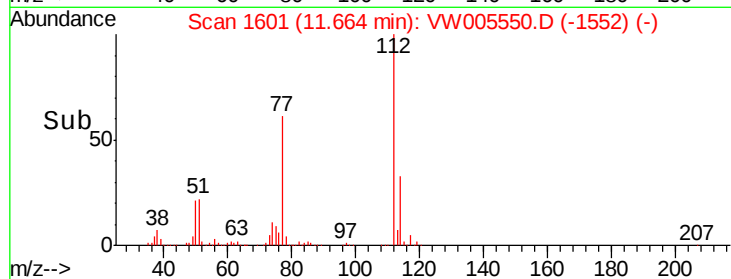
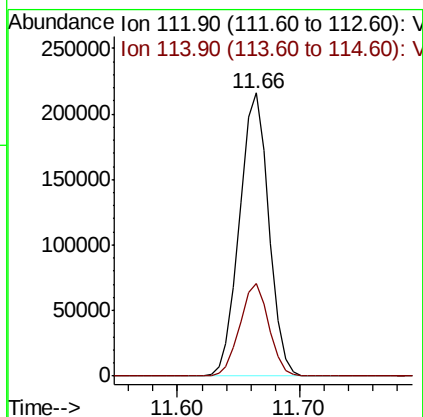
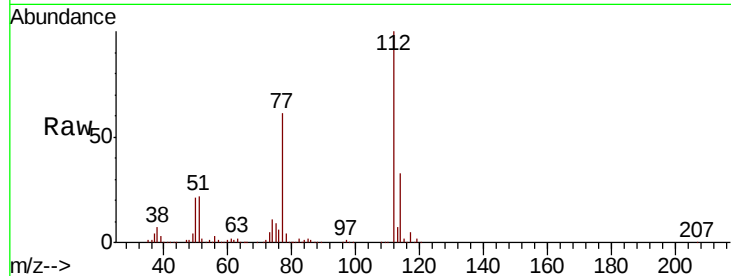




#65
Chlorobenzene
Concen: 49.411 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

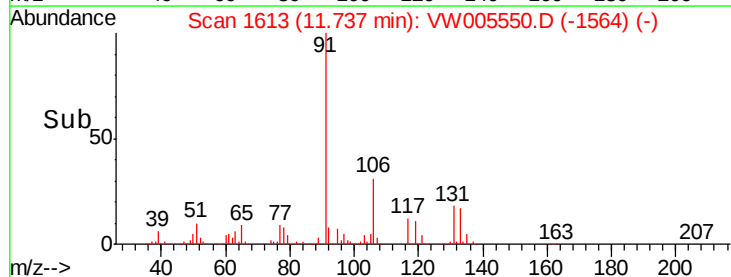
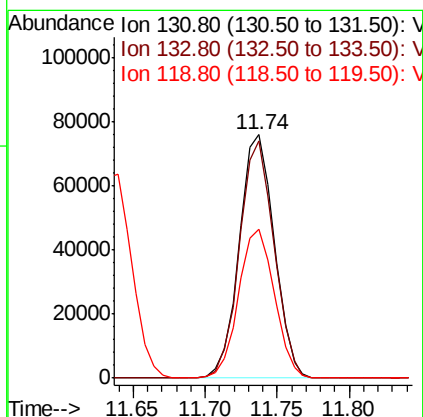
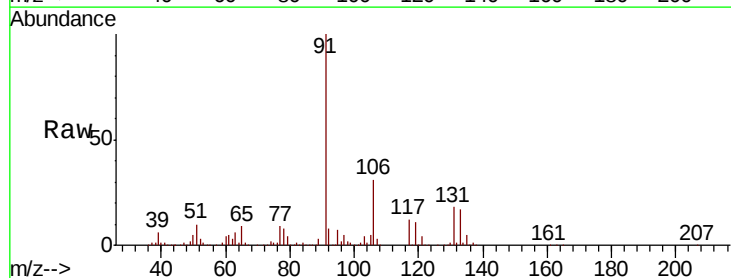
Instrument :
MSVOA_W
ClientSampleId :

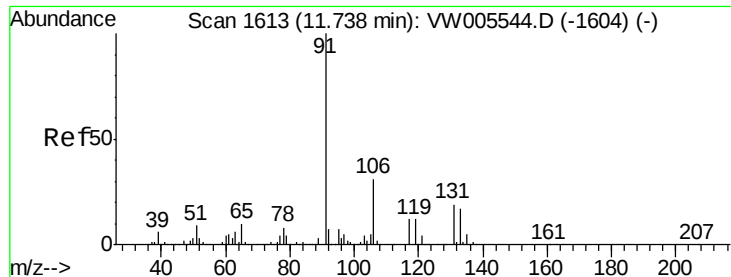
Tot Ion:112 Resp: 358261
Ion Ratio Lower Upper
112 100
114 32.6 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.110 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion:131 Resp: 128157
Ion Ratio Lower Upper
131 100
133 96.3 47.2 141.6
119 62.4 31.1 93.2

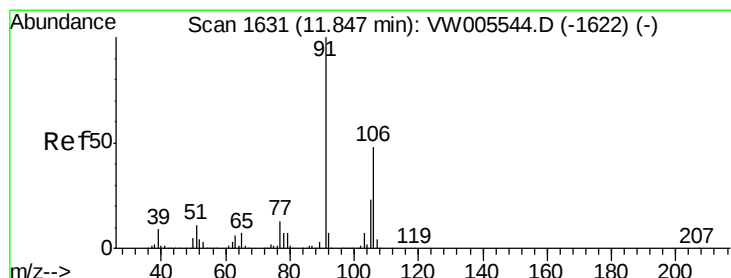
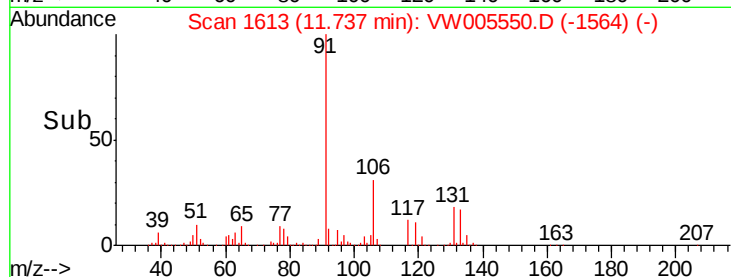
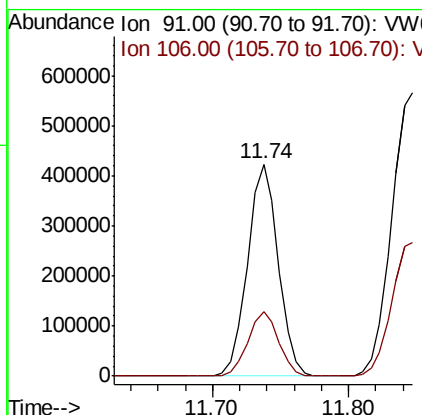
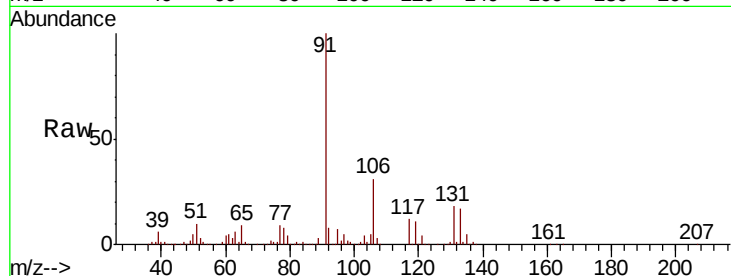




#67
Ethyl Benzene
Concen: 51.868 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

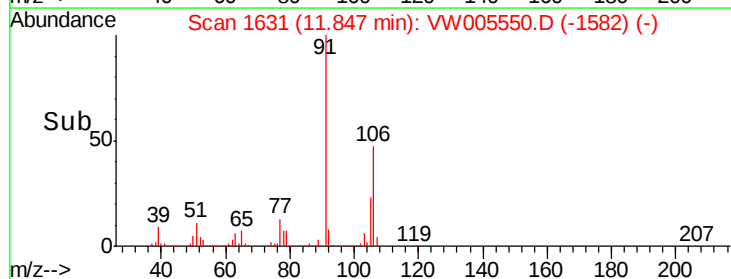
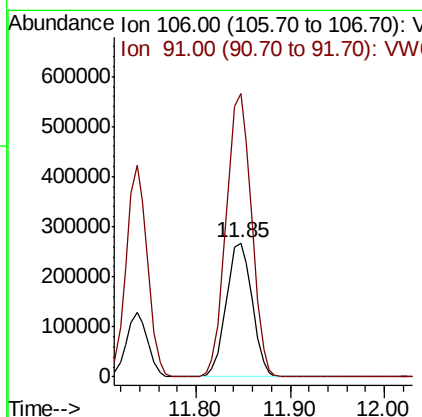
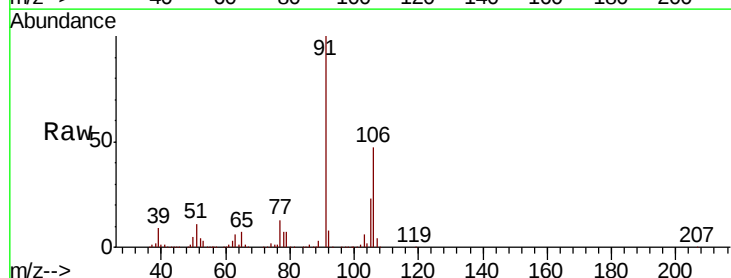
Instrument :
MSVOA_W
ClientSampleId :

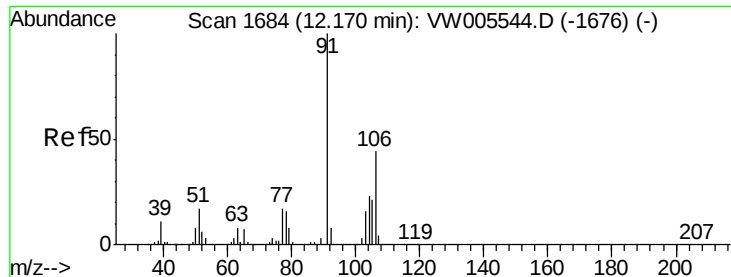
Tot Ion: 91 Resp: 667538
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 104.697 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 106 Resp: 509072
Ion Ratio Lower Upper
106 100
91 208.4 167.8 251.8

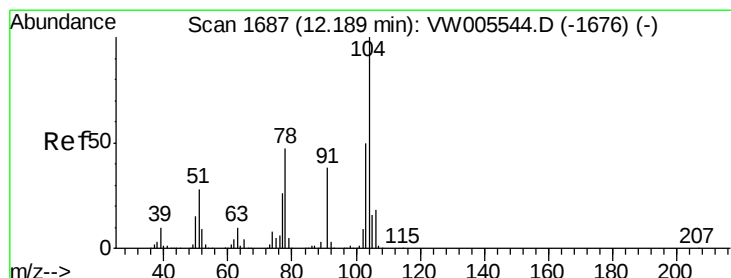
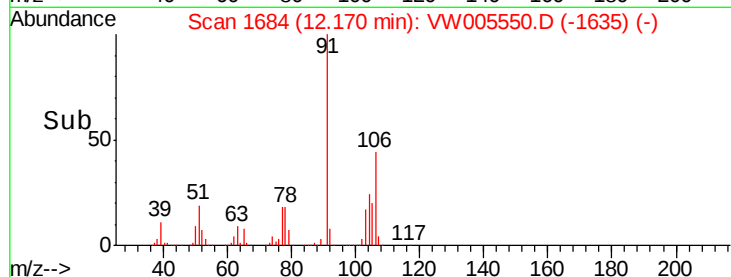
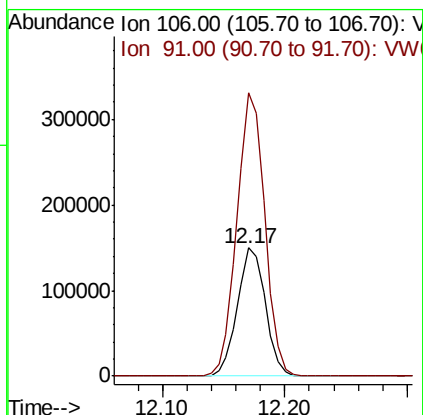
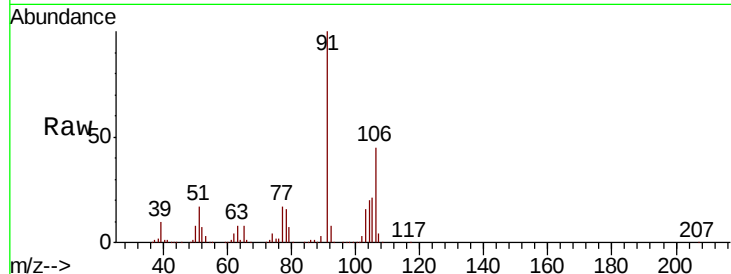




#69
o-Xylene
Concen: 51.966 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

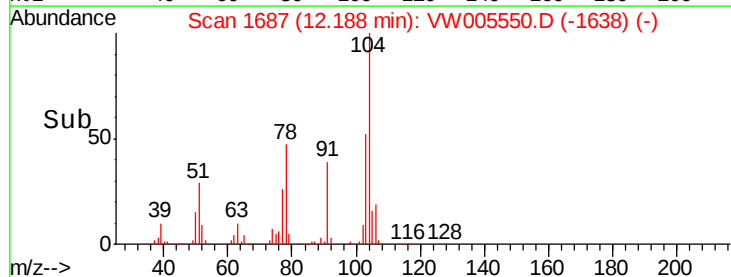
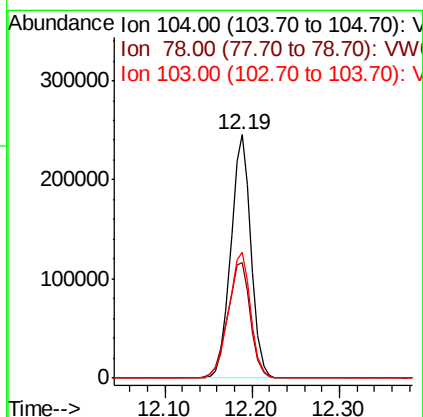
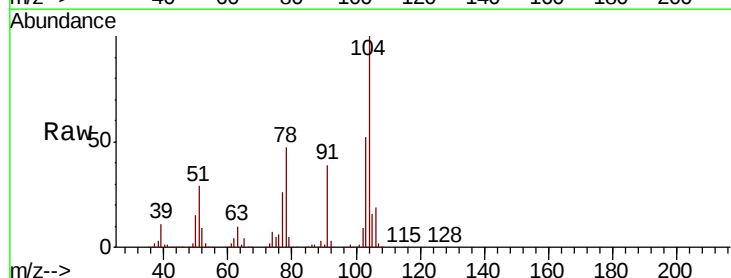
Instrument :
MSVOA_W
ClientSampled :

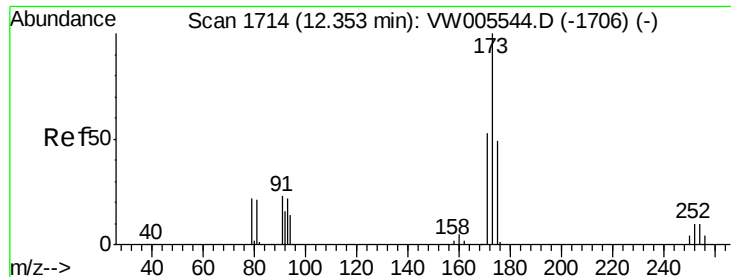
Tot Ion:106 Resp: 236643
Ion Ratio Lower Upper
106 100
91 220.6 111.0 333.0



#70
Styrene
Concen: 51.304 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion:104 Resp: 393169
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.4
103 56.5 44.6 66.8





#71

Bromoform

Concen: 46.780 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampled :

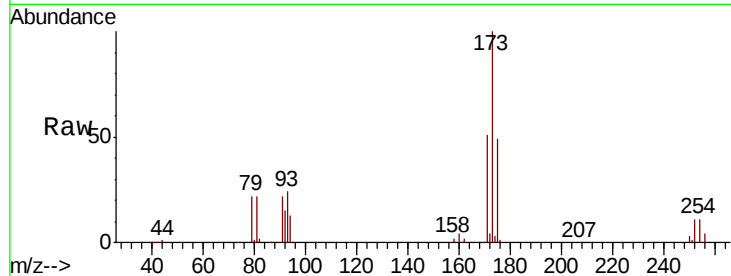
Tot Ion:173 Resp: 64799

Ion Ratio Lower Upper

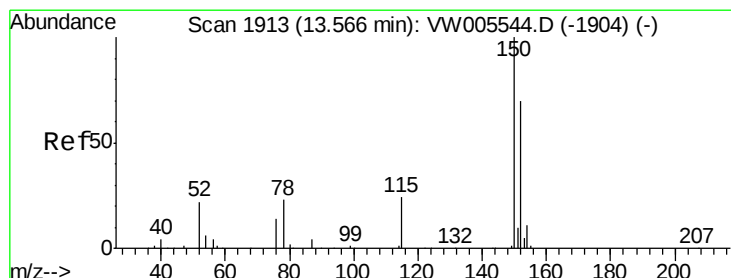
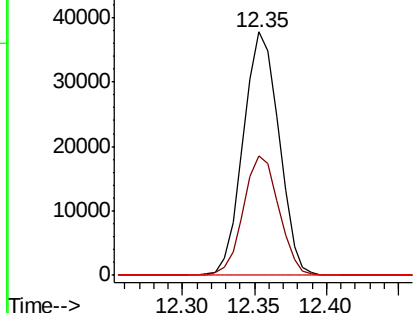
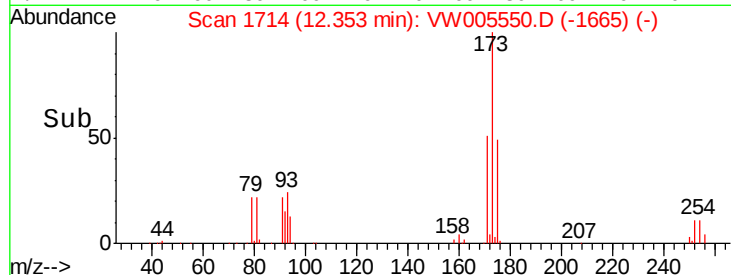
173 100

175 48.8 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: VW005550.D

Acq: 21 Sep 2018 10:28

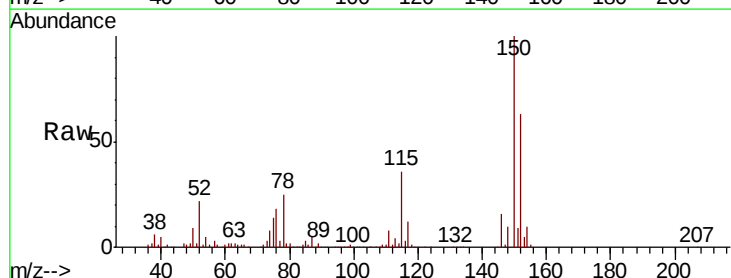
Tgt Ion:152 Resp: 177898

Ion Ratio Lower Upper

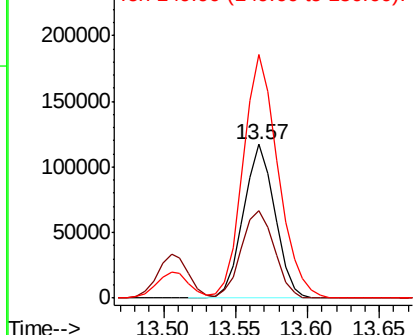
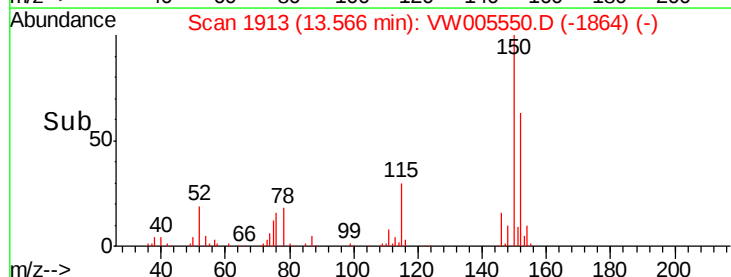
152 100

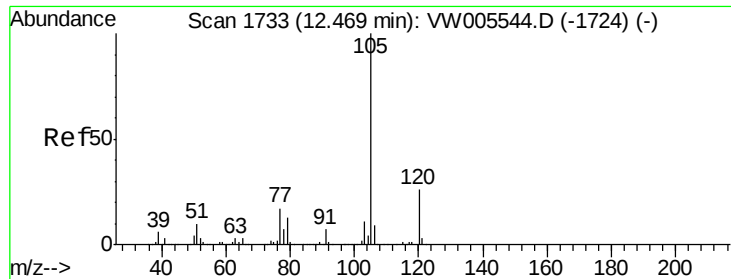
115 59.4 30.0 90.0

150 175.8 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: 55.773 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

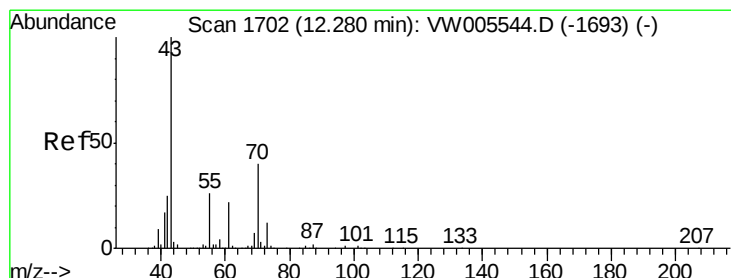
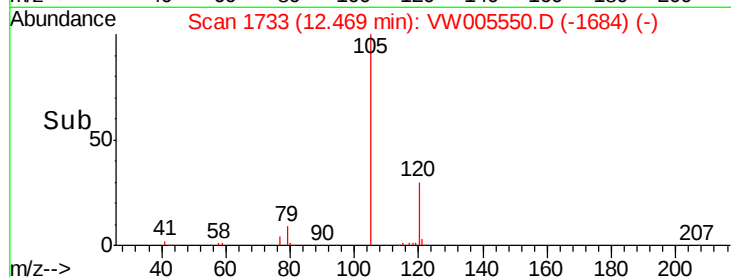
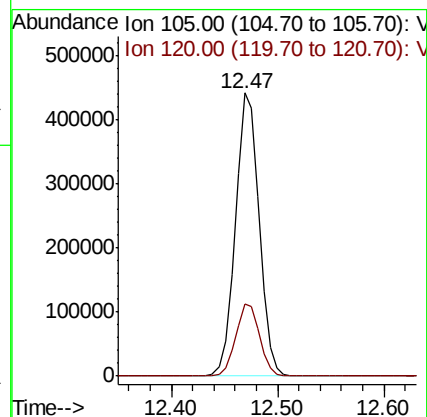
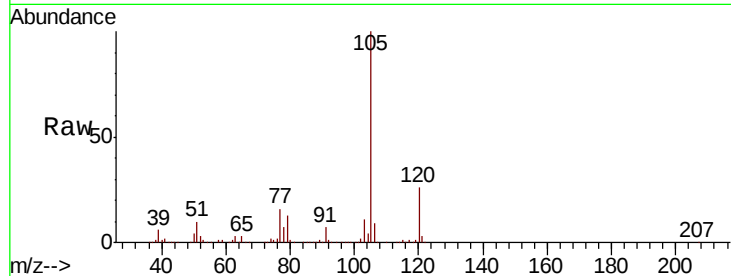
ClientSampled :

Tot Ion:105 Resp: 688058

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



#74

N-ethyl acetate

Concen: 48.631 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Tgt Ion: 43 Resp: 135851

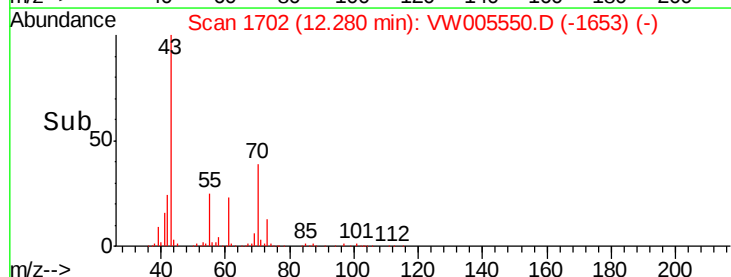
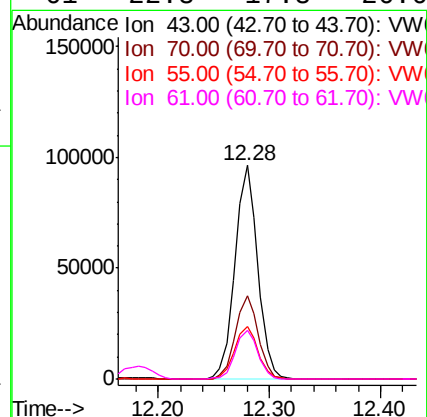
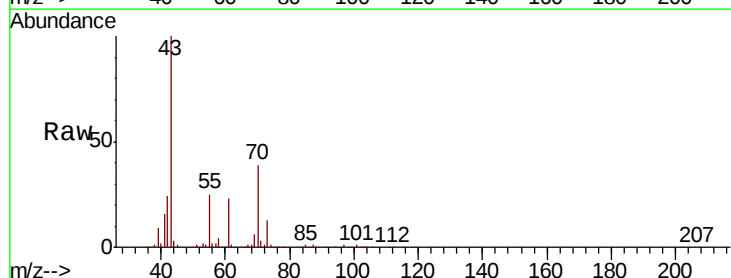
Ion Ratio Lower Upper

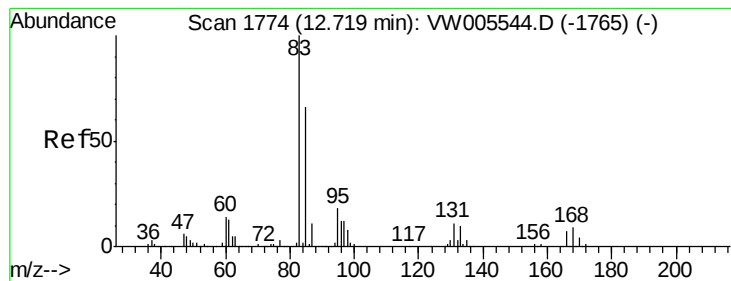
43 100

70 39.2 31.4 47.0

55 25.5 20.9 31.3

61 22.8 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.992 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

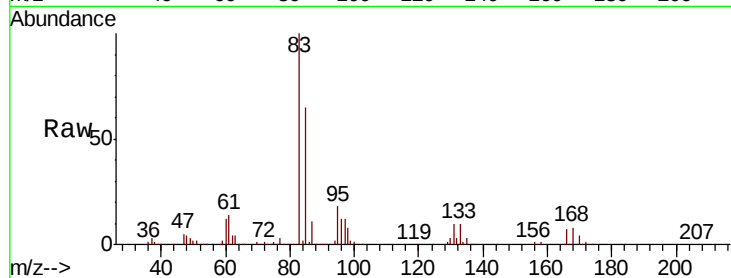
Tot Ion: 83 Resp: 98344

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

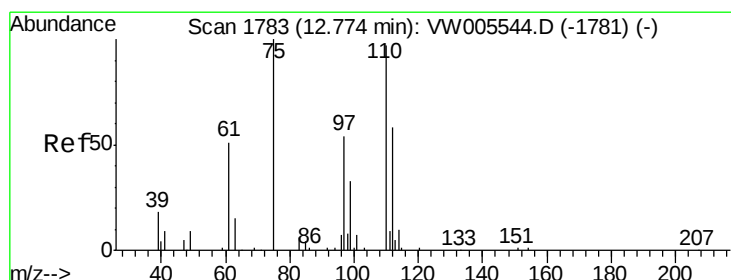
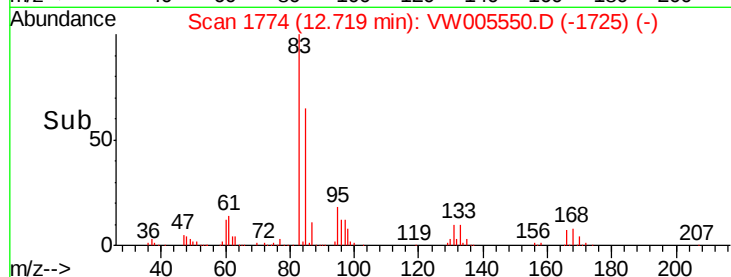
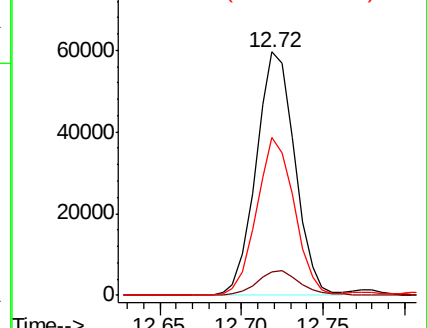
85 63.1 32.4 97.0



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: 94.547 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005550.D

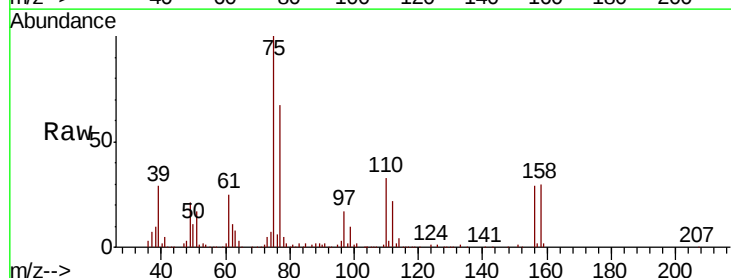
Acq: 21 Sep 2018 10:28

Tgt Ion: 75 Resp: 143376

Ion Ratio Lower Upper

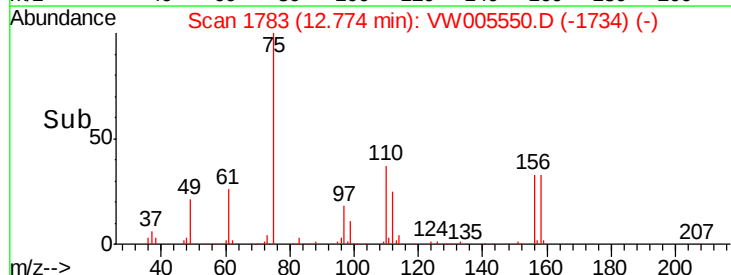
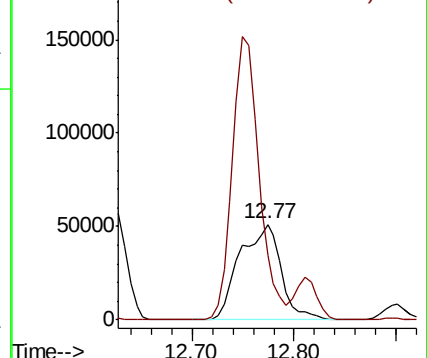
75 100

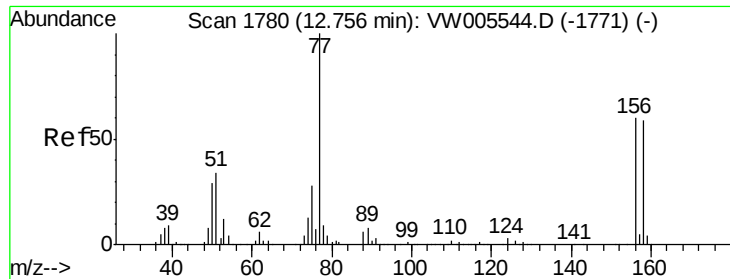
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.484 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampleId :

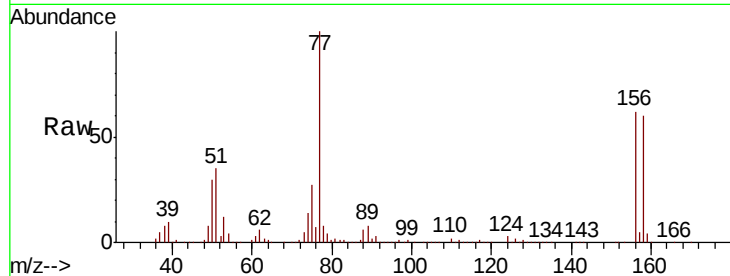
Tot Ion:156 Resp: 148866

Ion Ratio Lower Upper

156 100

77 185.7 94.7 284.1

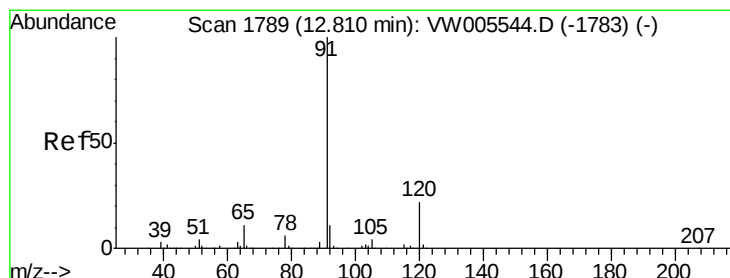
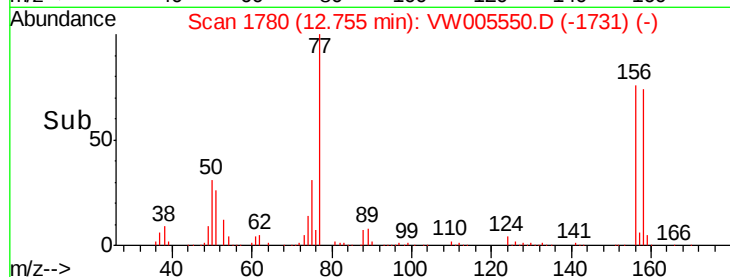
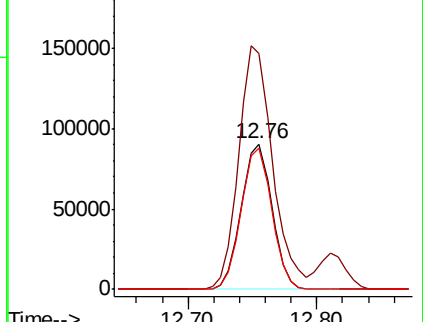
158 96.8 48.0 144.2



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: 55.535 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005550.D

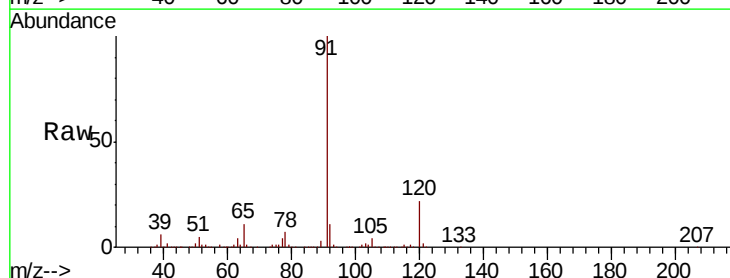
Acq: 21 Sep 2018 10:28

Tgt Ion: 91 Resp: 829463

Ion Ratio Lower Upper

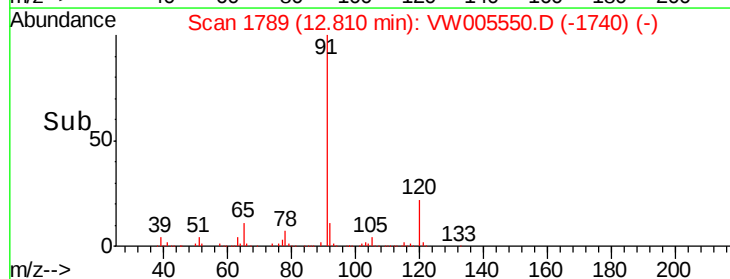
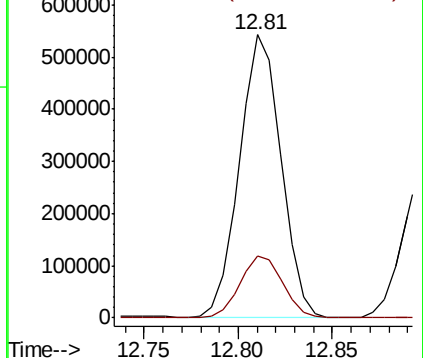
91 100

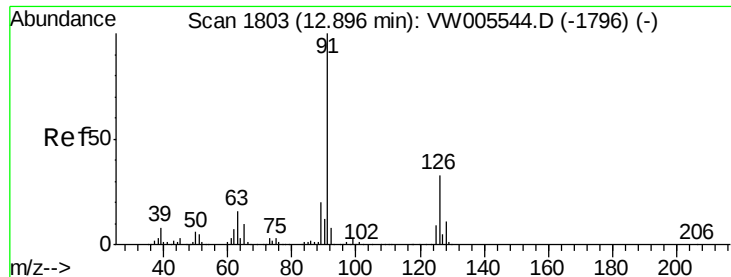
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.699 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

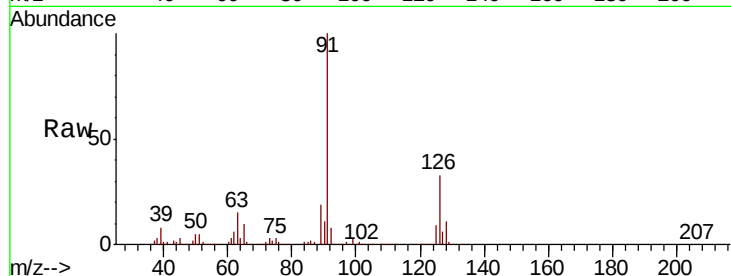
ClientSampled :

Tot Ion: 91 Resp: 464027

Ion Ratio Lower Upper

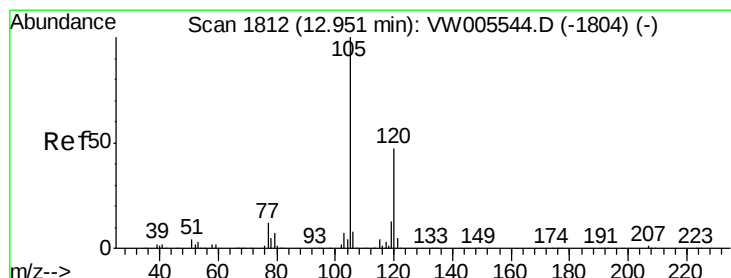
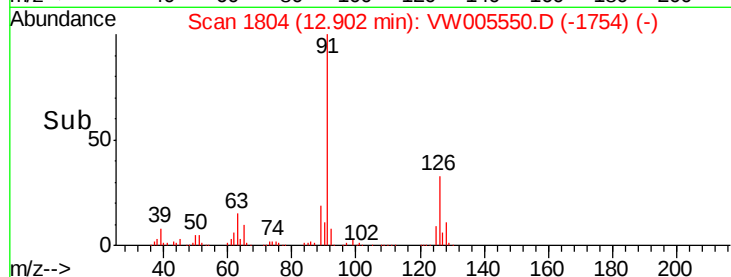
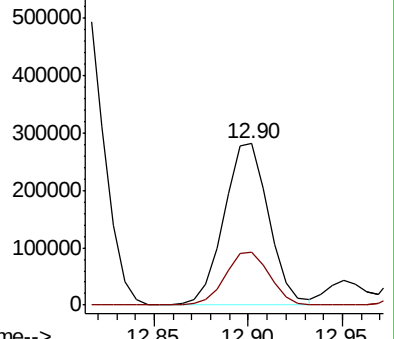
91 100

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: 54.922 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005550.D

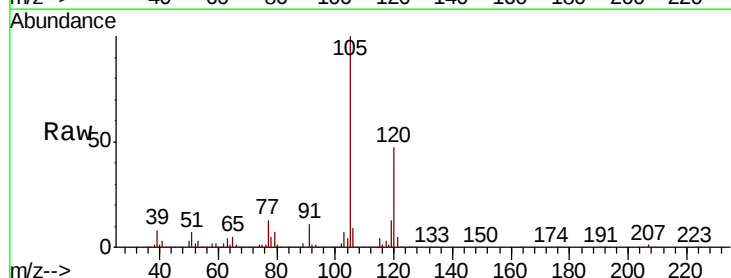
Acq: 21 Sep 2018 10:28

Tgt Ion:105 Resp: 589171

Ion Ratio Lower Upper

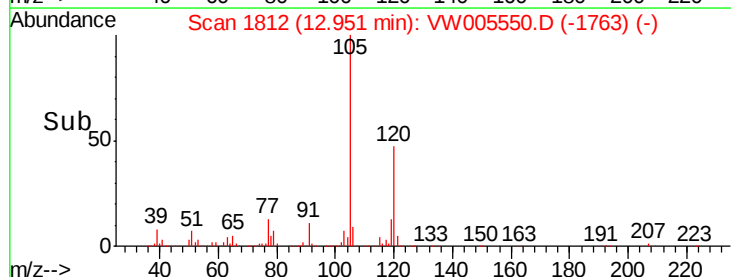
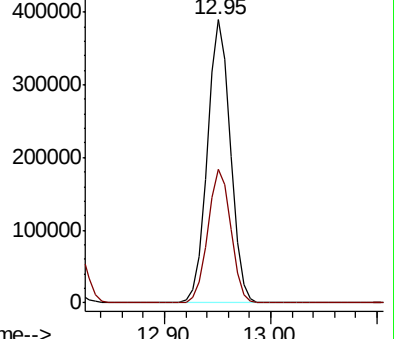
105 100

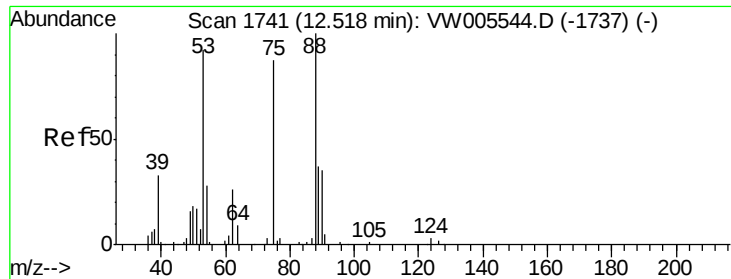
120 47.5 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

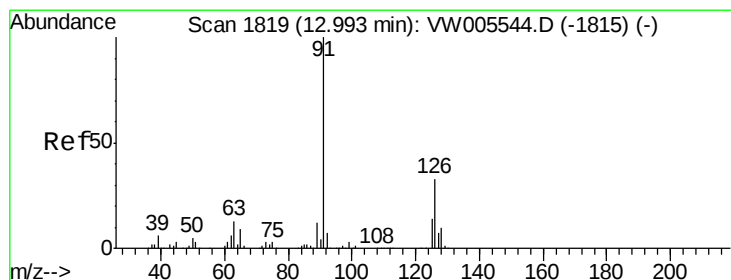
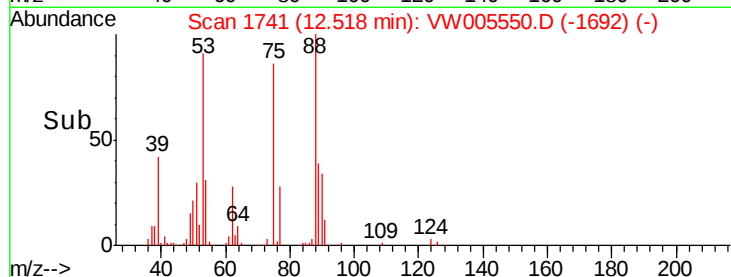
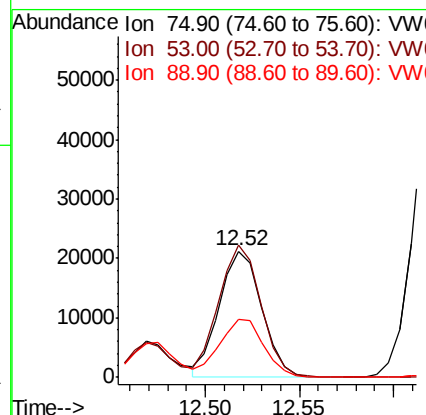
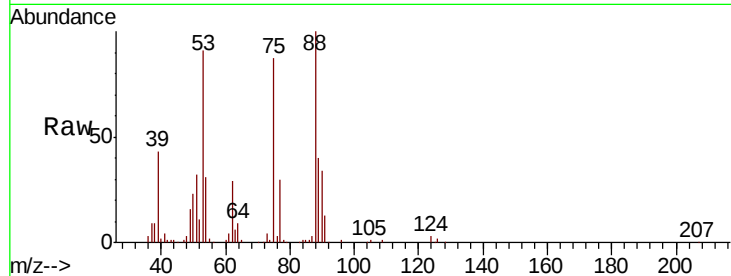




#81
trans-1,4-Dichloro-2-butene
Concen: 49.200 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

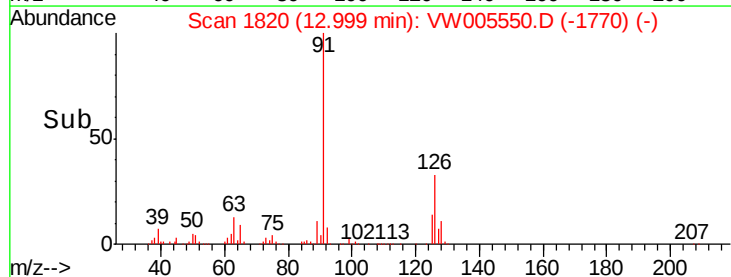
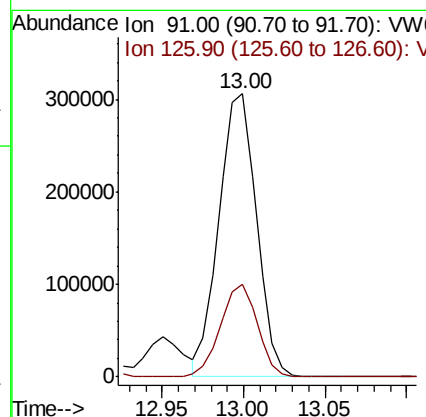
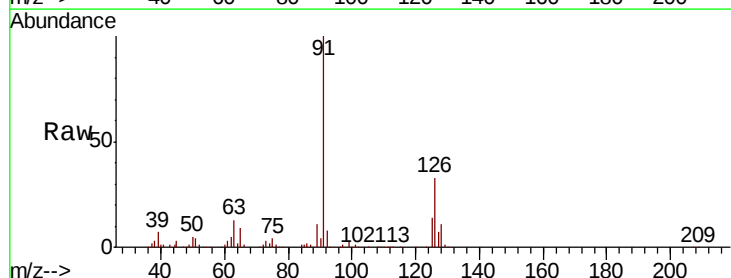
Instrument :
MSVOA_W
ClientSampleId :

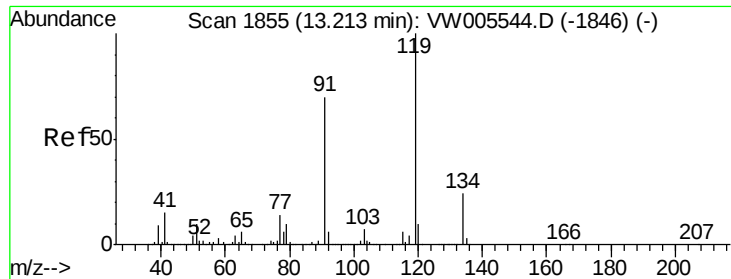
Tot Ion: 75 Resp: 33126
Ion Ratio Lower Upper
75 100
53 104.7 85.8 128.6
89 48.3 37.3 55.9



#82
4-Chlorotoluene
Concen: 53.890 ug/l
RT: 13.00 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 91 Resp: 492026
Ion Ratio Lower Upper
91 100
126 32.3 16.4 49.4

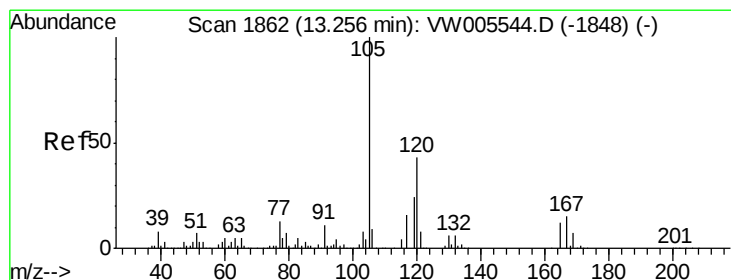
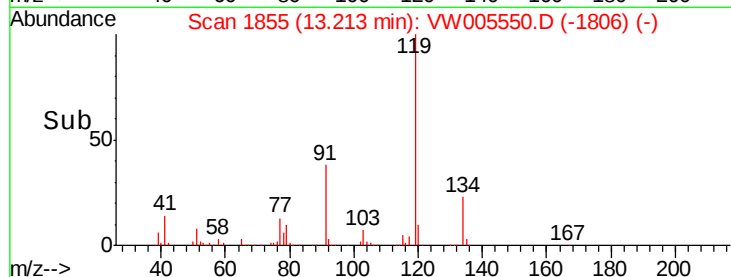
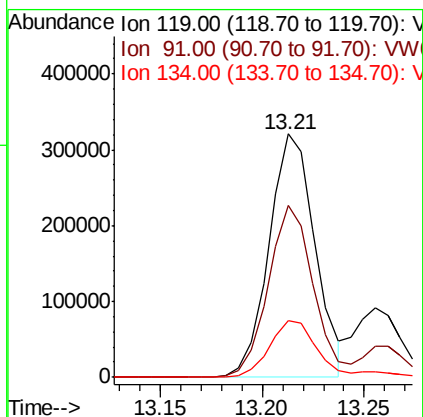
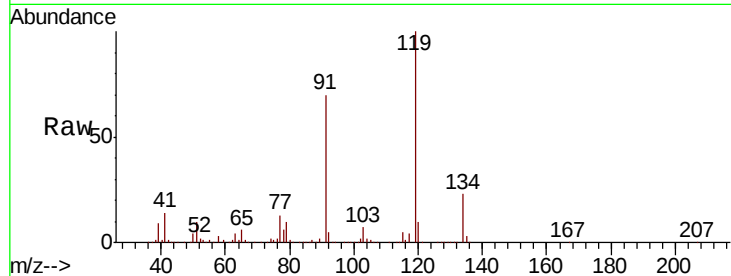




#83
tert-Butylbenzene
Concen: 56.024 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

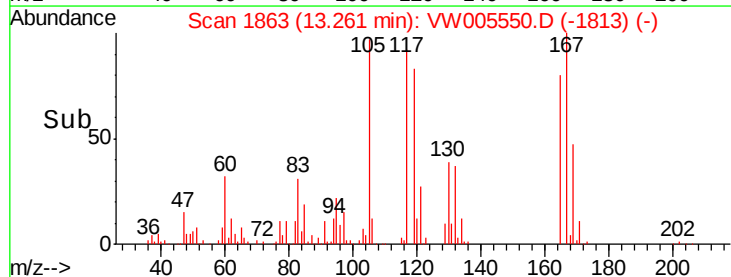
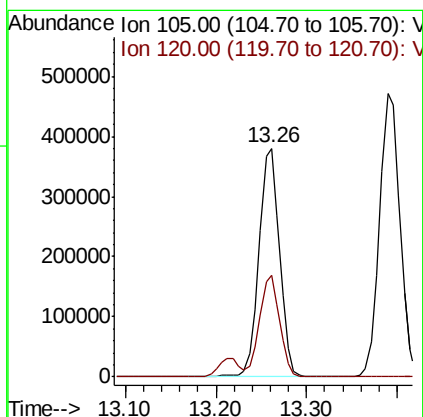
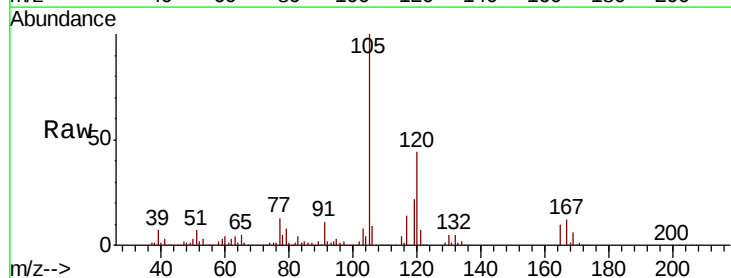
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 504907
Ion Ratio Lower Upper
119 100
91 69.3 34.6 103.8
134 25.5 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 55.105 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion:105 Resp: 596530
Ion Ratio Lower Upper
105 100
120 43.6 21.5 64.5





#85

sec-Butylbenzene

Concen: 56.171 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

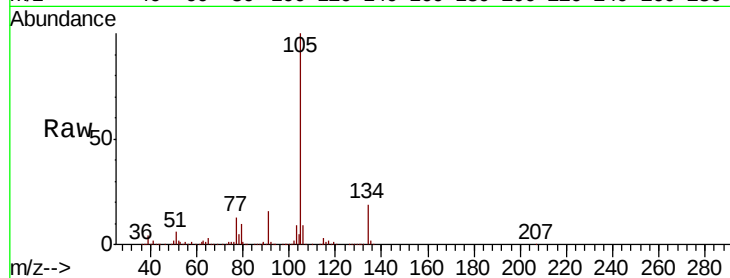
ClientSampleId :

Tot Ion:105 Resp: 734201

Ion Ratio Lower Upper

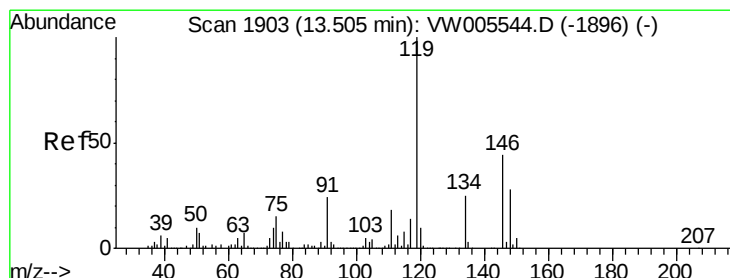
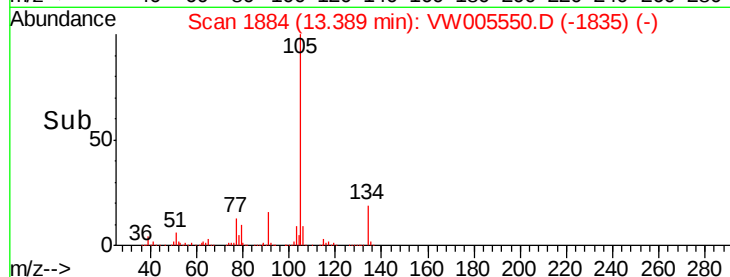
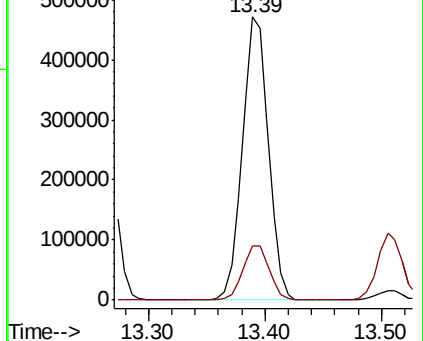
105 100

134 19.7 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: 56.342 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

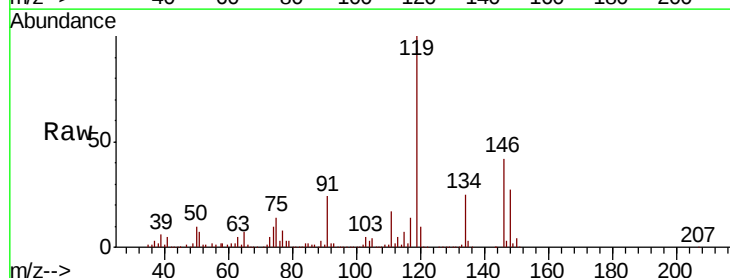
Tgt Ion:119 Resp: 660081

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

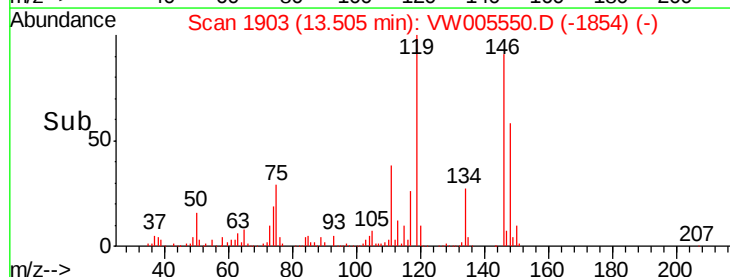
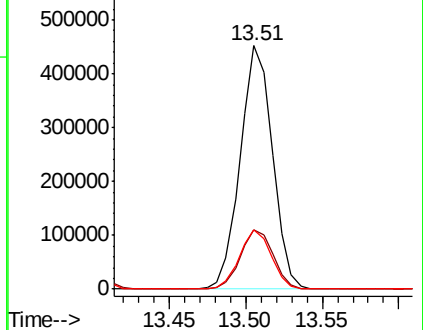
91 24.0 12.2 36.4

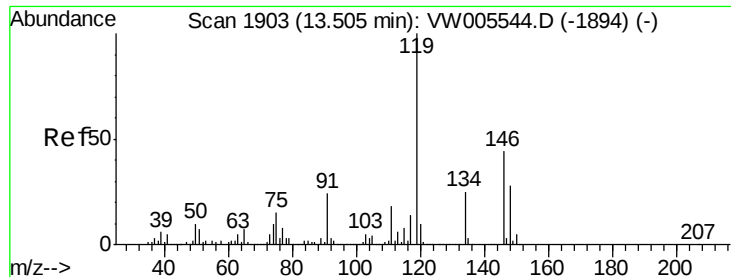


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.263 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005550.D

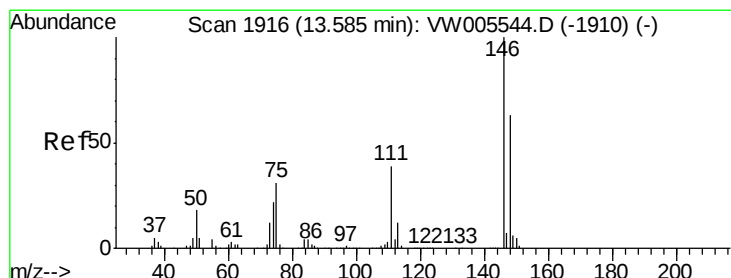
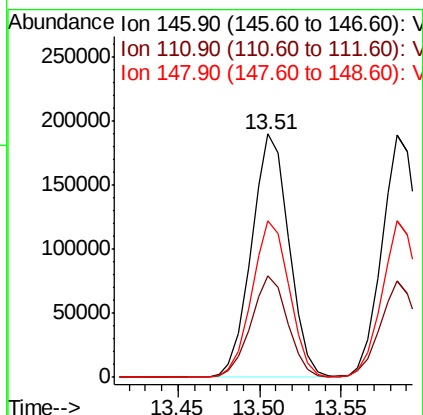
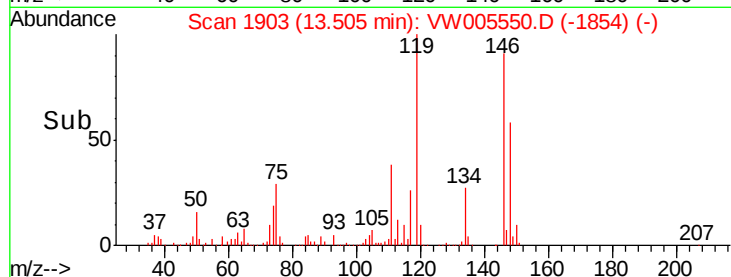
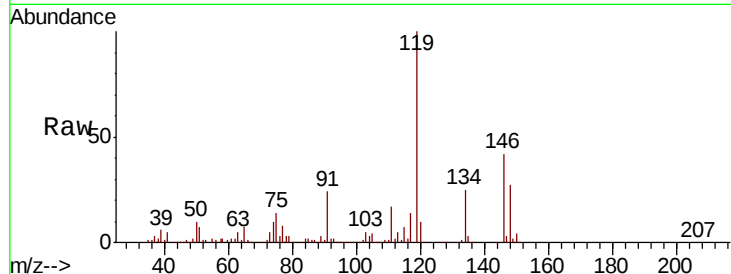
Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146	Resp:	303090
Ion Ratio	Lower	Upper
146	100	
111	40.9	20.3 60.9
148	64.2	31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 50.994 ug/l

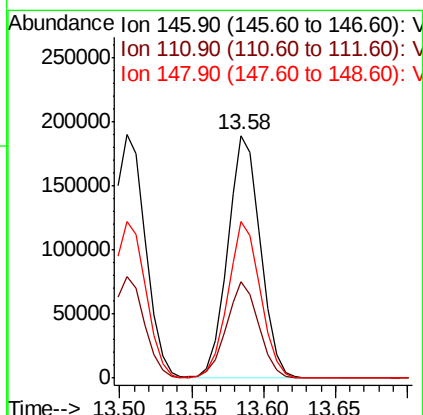
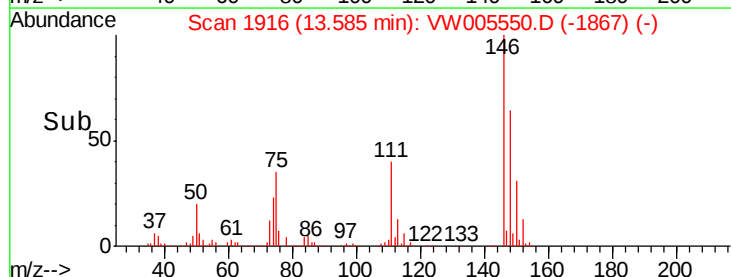
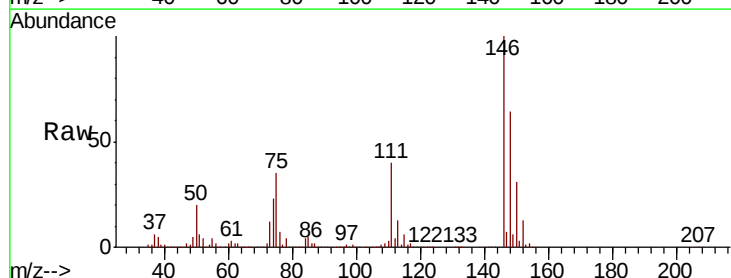
RT: 13.58 min Scan# 1916

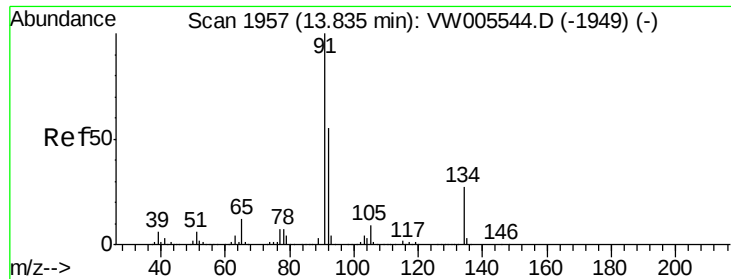
Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Tgt Ion:146	Resp:	299861
Ion Ratio	Lower	Upper
146	100	
111	39.8	19.9 59.7
148	64.1	32.1 96.3





#89

n-Butylbenzene

Concen: 56.482 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampled :

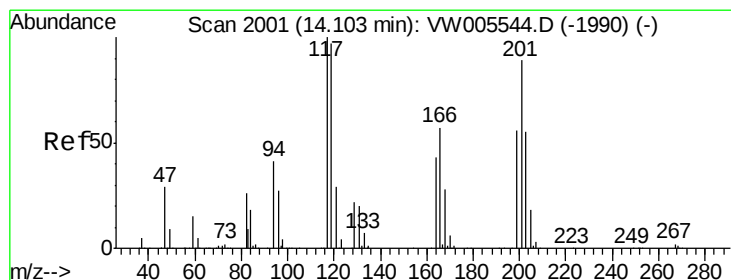
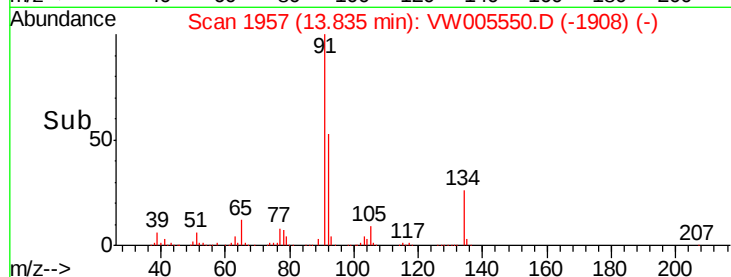
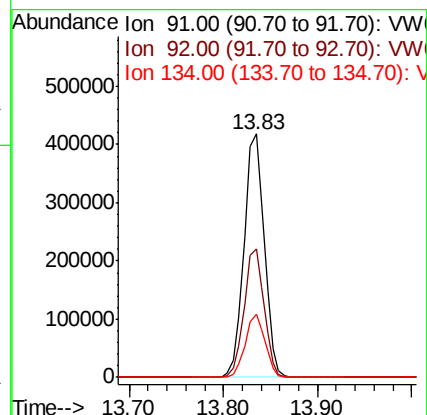
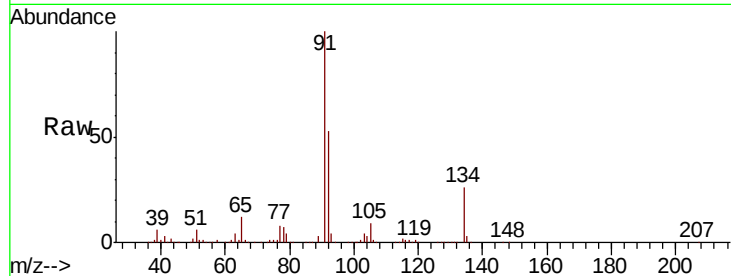
Tot Ion: 91 Resp: 624153

Ion Ratio Lower Upper

91 100

92 52.2 26.5 79.5

134 25.4 12.9 38.7



#90

Hexachloroethane

Concen: 52.311 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005550.D

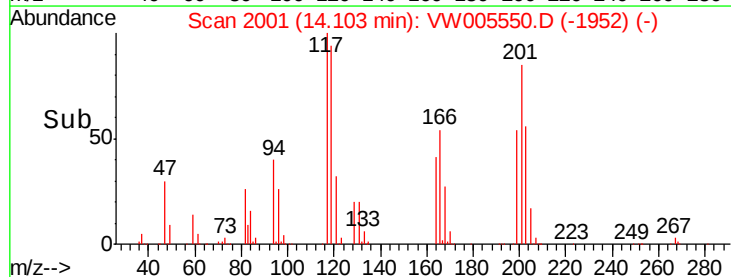
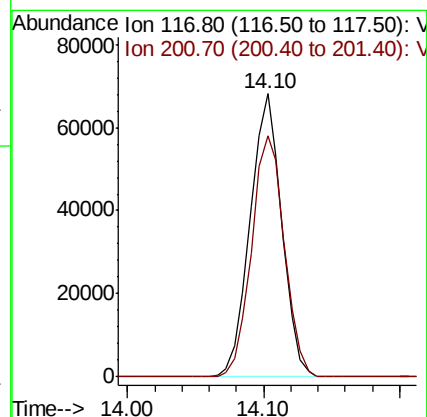
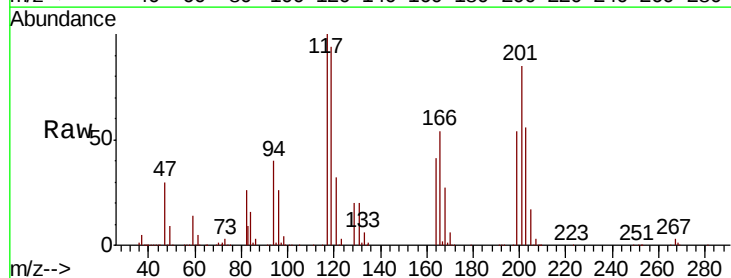
Acq: 21 Sep 2018 10:28

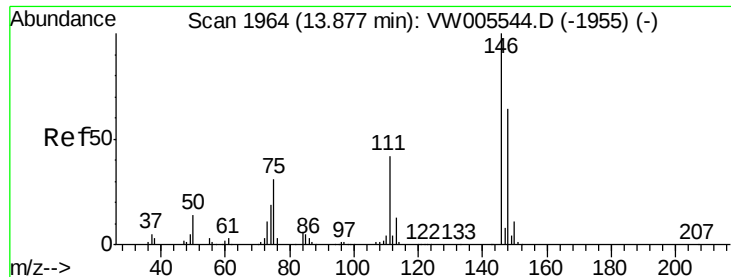
Tgt Ion: 117 Resp: 111078

Ion Ratio Lower Upper

117 100

201 88.0 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 50.943 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

Instrument :

MSVOA_W

ClientSampled :

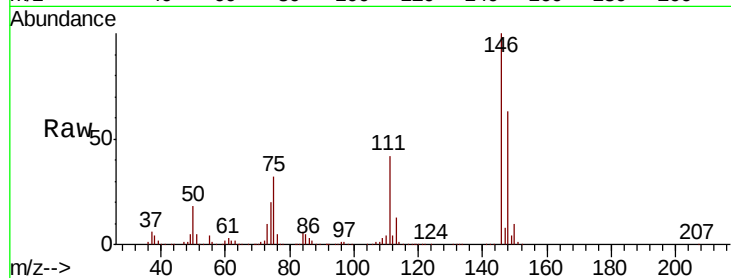
Tot Ion:146 Resp: 265886

Ion Ratio Lower Upper

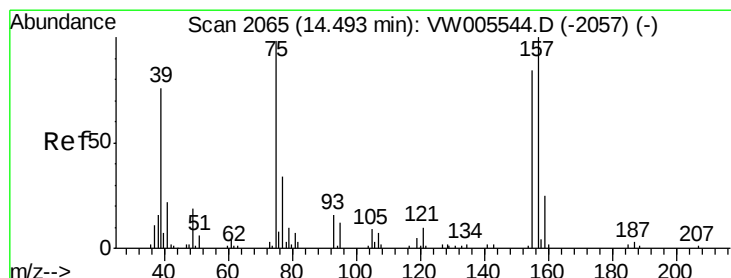
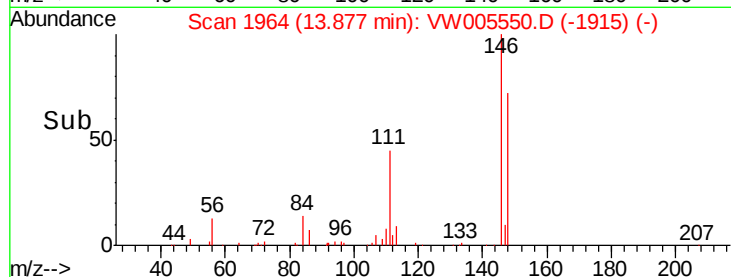
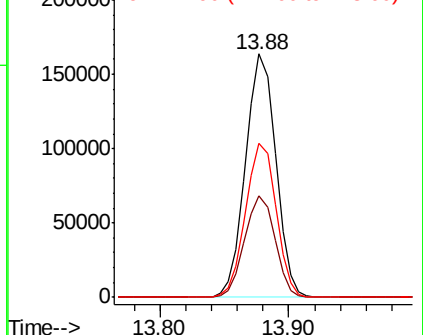
146 100

111 41.9 21.3 63.9

148 63.9 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.492 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005550.D

Acq: 21 Sep 2018 10:28

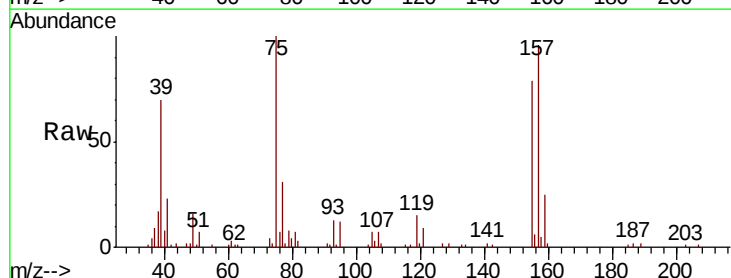
Tgt Ion: 75 Resp: 17761

Ion Ratio Lower Upper

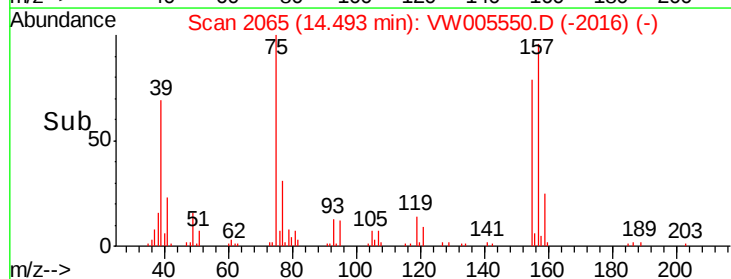
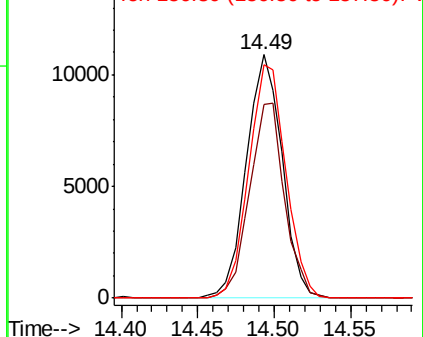
75 100

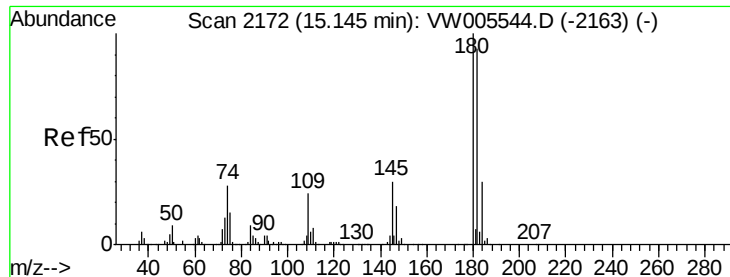
155 78.3 39.1 117.5

157 99.1 50.8 152.4



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

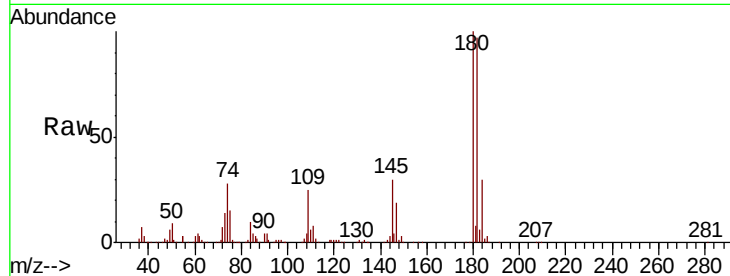




#93
 1,2,4-Trichlorobenzene
 Concen: 52.001 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	30.6	15.0	45.1

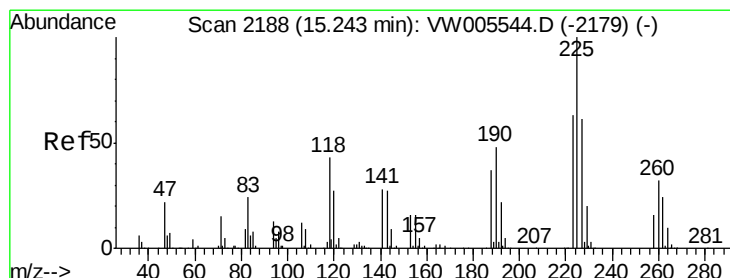
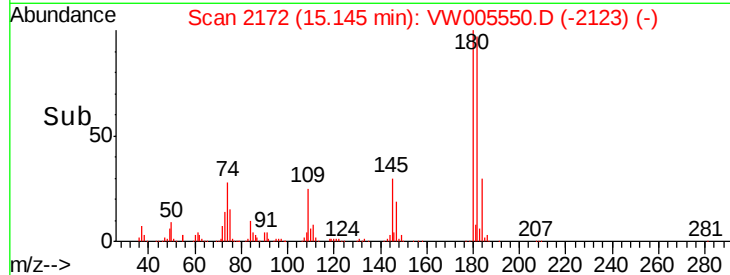
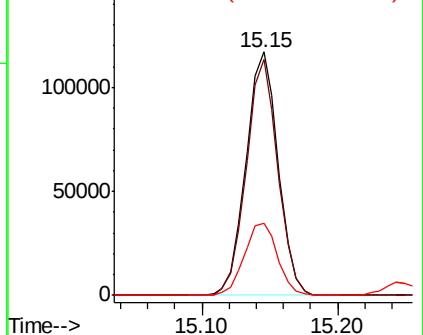


Abundance

Ion 179.80 (179.50 to 180.50): V

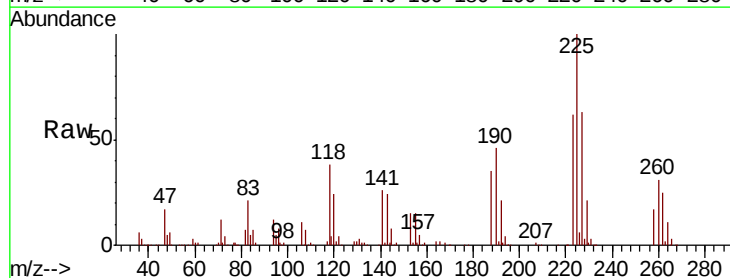
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.372 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005550.D
 Acq: 21 Sep 2018 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.3
227	64.9	31.8	95.3

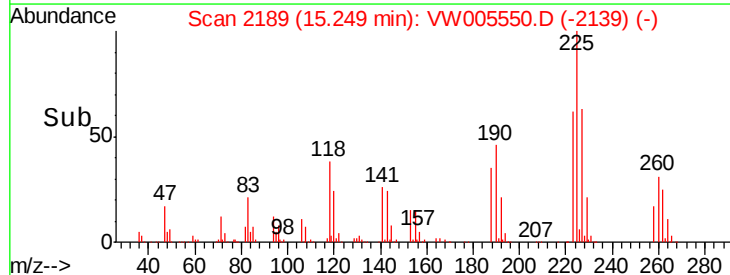
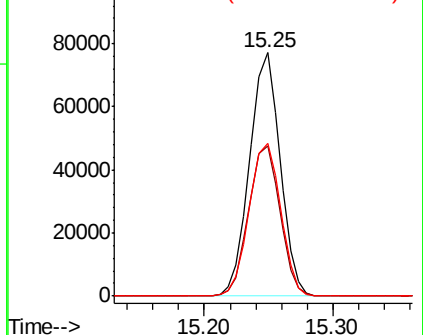


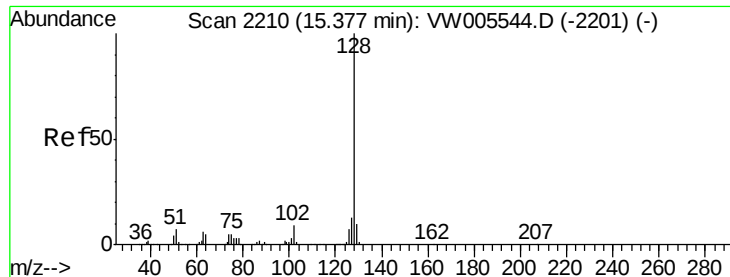
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

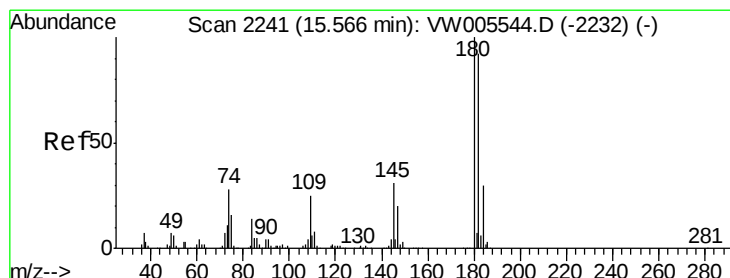
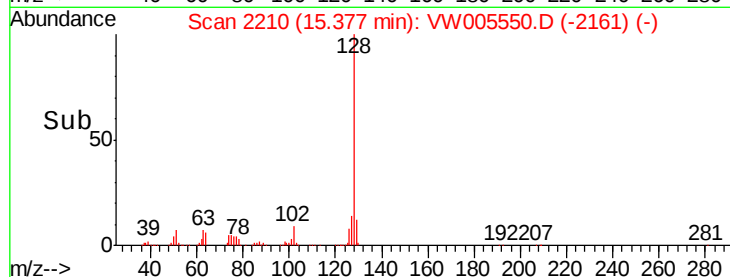
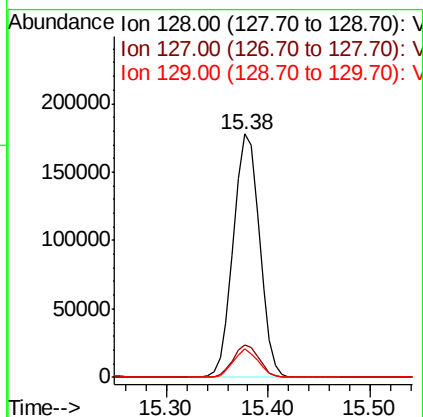
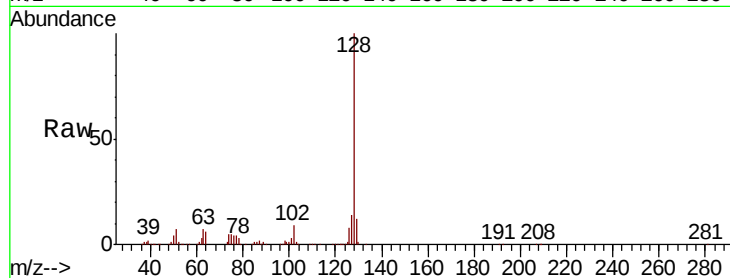




#95
Naphthalene
Concen: 50.587 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 316814
Ion Ratio Lower Upper
128 100
127 13.2 10.9 16.3
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.925 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005550.D
Acq: 21 Sep 2018 10:28

Tgt Ion:180 Resp: 167096
Ion Ratio Lower Upper
180 100
182 94.1 47.3 141.9
145 32.1 16.0 47.9

