

Data File : VW009972.D
Acq On : 15 Apr 2019 14:51
Operator : SY/VA
Sample : VSTD2.503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Quant Time: Apr 15 16:11:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 16:09:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	614310	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	594311	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	277965	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	10262	1.28	ug/L	0.00
7) Chloroethane-d5	2.89	69	14225	1.93	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	38378	2.22	ug/L	0.00
20) 2-Butanone-d5	7.22	46	198	0.08	ug/L	0.14
24) Chloroform-d	7.65	84	46089	2.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	28015	2.72	ug/L	0.00
29) Benzene-d6	8.27	84	80543	2.58	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	26533	2.75	ug/L	0.00
37) Toluene-d8	10.32	98	69147	2.40	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	11199	2.44	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7761	4.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	23697	2.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	27169	2.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	18260	2.257 ug/L	89
3) Chloromethane	2.21	50	19512	2.333 ug/L	93
6) Bromomethane	2.78	94	13975	1.883 ug/L	92
8) Chloroethane	2.92	64	12874	1.829 ug/L	98
9) Trichlorofluoromethane	3.26	101	14706	2.235 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	7672	0.896 ug/L #	13
12) 1,1-Dichloroethene	4.04	96	16612	2.036 ug/L	91
13) Acetone	4.12	43	17295	6.184 ug/L	98
14) Carbon disulfide	4.38	76	40075	1.580 ug/L	99
15) Methyl Acetate	4.67	43	13084	2.566 ug/L #	79
16) Methylene chloride	4.91	84	41220	3.805 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	15555	1.384 ug/L	96
18) trans-1,2-Dichloroethene	5.41	96	11833	1.394 ug/L	95
19) 1,1-Dichloroethane	6.21	63	43256	2.656 ug/L	97
21) 2-Butanone	7.17	43	15019	4.223 ug/L	89
22) cis-1,2-Dichloroethene	7.16	96	21170	2.333 ug/L	94
23) Bromochloromethane	7.51	128	10327	2.480 ug/L	99
25) Chloroform	7.68	83	43868	2.572 ug/L	99
27) 1,2-Dichloroethane	8.40	62	32180	2.494 ug/L	98
30) Cyclohexane	7.95	56	27799	1.982 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	32433	2.406 ug/L	98
32) Carbon tetrachloride	8.07	117	30992	2.293 ug/L	97
34) Benzene	8.32	78	85658	2.396 ug/L	100
35) Trichloroethene	9.09	95	23217	2.481 ug/L	99
36) Methylcyclohexane	9.34	83	32148	2.090 ug/L	95
40) 1,2-Dichloropropane	9.37	63	23109	2.525 ug/L #	91
41) Bromodichloromethane	9.64	83	31297	2.478 ug/L	94
42) cis-1,3-Dichloropropene	10.07	75	31622	2.230 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	30912	4.348 ug/L	95
44) Toluene	10.39	91	86076	2.272 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	27645	2.261	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	17904	2.606	ug/L	94
47) Tetrachloroethene	10.86	164	17842	2.421	ug/L	94
49) 2-Hexanone	10.97	43	20917	3.951	ug/L	94
50) Dibromochloromethane	11.13	129	20073	2.378	ug/L	97
51) 1,2-Dibromoethane	11.24	107	17287	2.510	ug/L #	95
52) Chlorobenzene	11.66	112	62280	2.554	ug/L	96
53) Ethylbenzene	11.73	91	95741	2.219	ug/L	96
54) m,p-Xylene	11.84	106	33127	2.076	ug/L	91
55) o-xylene	12.17	106	30550	2.010	ug/L	94
56) Styrene	12.18	104	52875	2.005	ug/L	98
57) Isopropylbenzene	12.46	105	81619	1.961	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.71	83	23101	2.501	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	16829	2.447	ug/L	98
62) Bromoform	12.35	173	11785	2.411	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	40186	2.337	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	46436	2.532	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	40932	2.488	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3941	2.461	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	29836	2.339	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	22369	2.183	ug/L	96
69) Naphthalene	15.37	128	39385	1.913	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	21480	2.241	ug/L	99

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

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ClientSampleId :
VSTD2.503

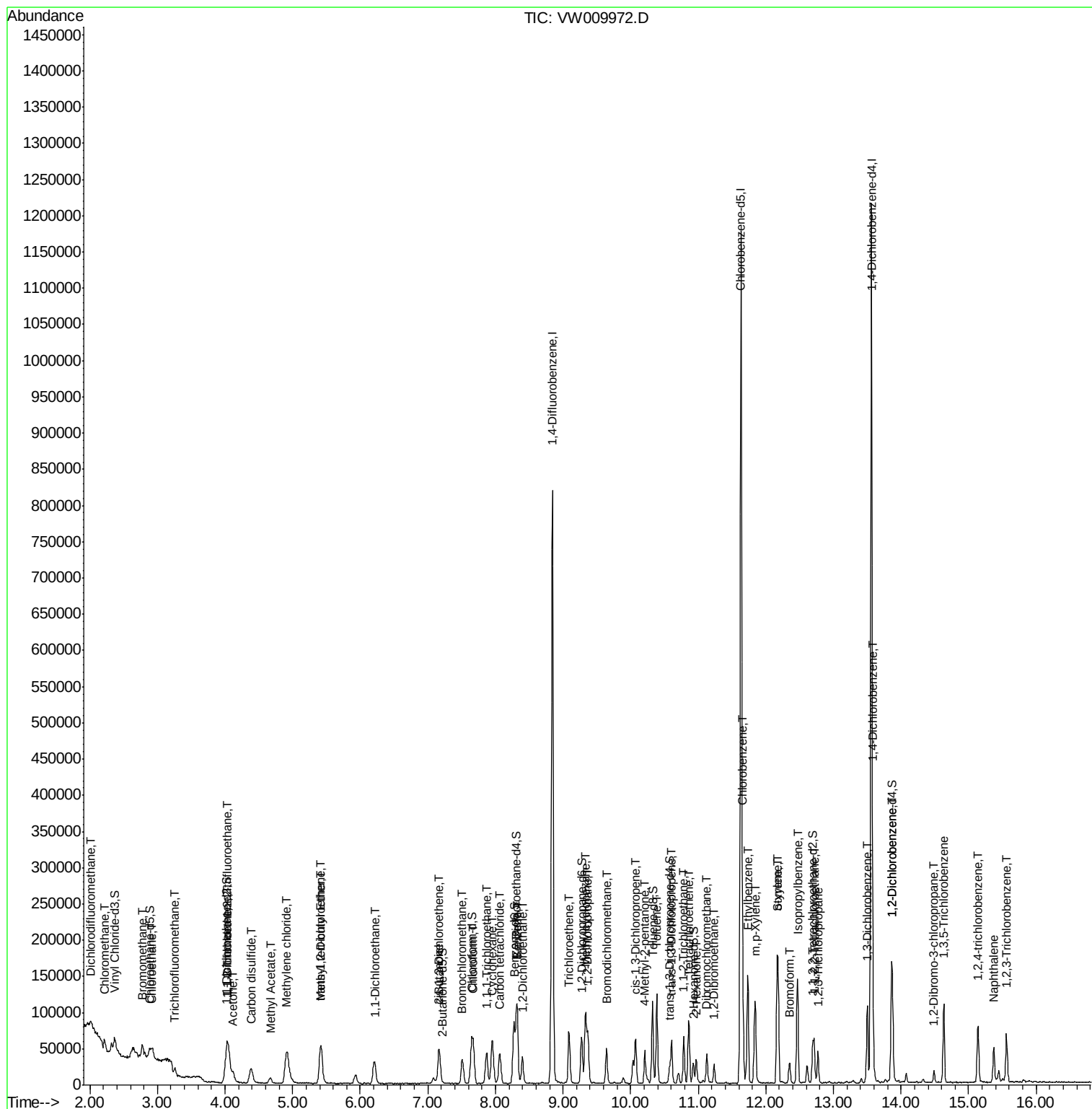
Quant Time: Apr 15 16:11:38 2019

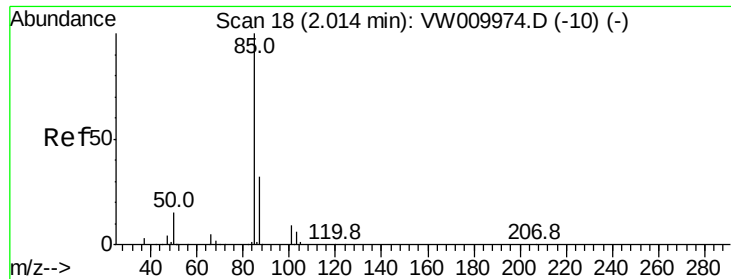
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM041519S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 15 16:09:03 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.257 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

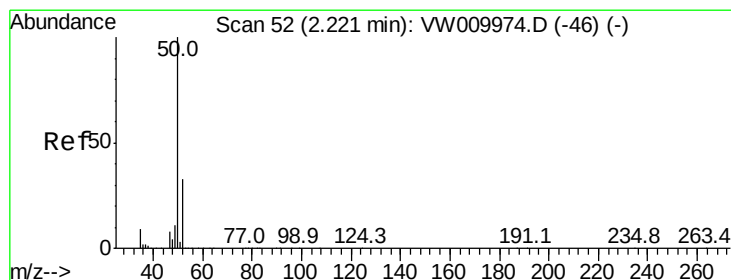
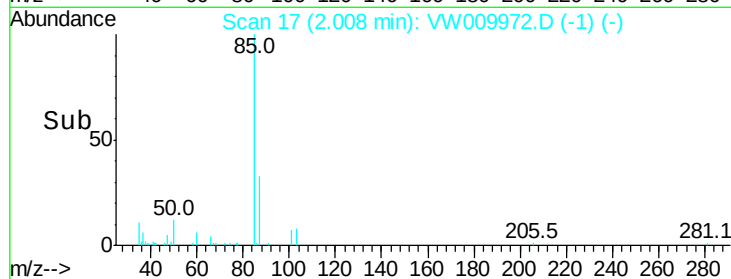
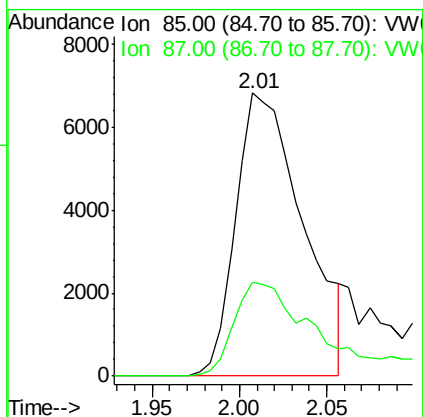
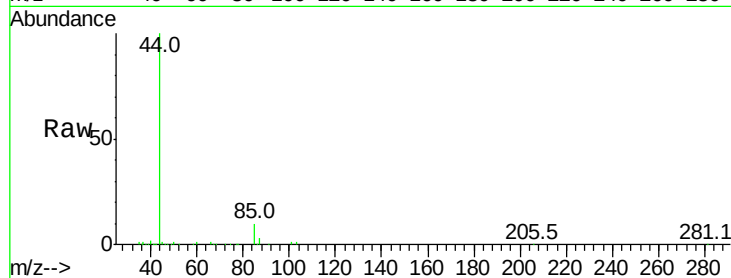
VSTD2.503

Tgt Ion: 85 Resp: 18260

Ion Ratio Lower Upper

85 100

87 26.3 22.7 42.1



#3

Chloromethane

Concen: 2.333 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW009972.D

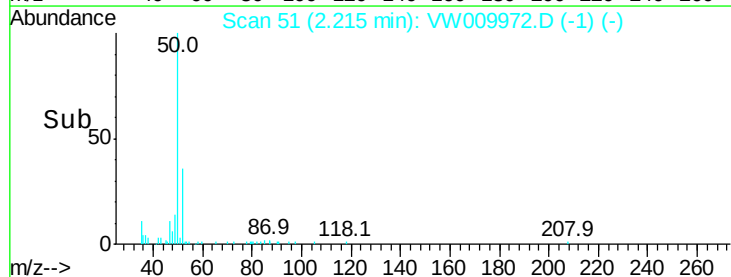
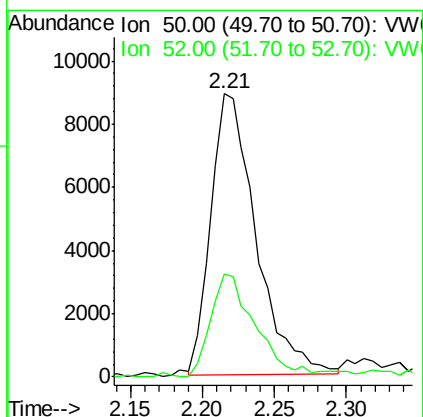
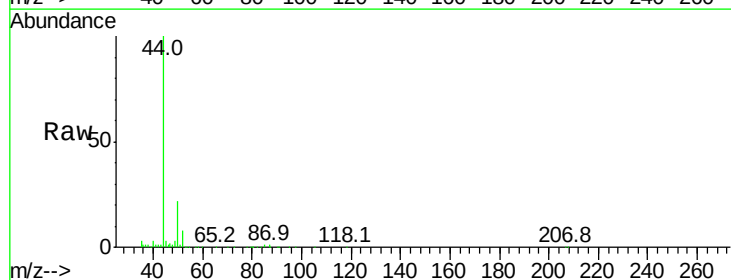
Acq: 15 Apr 2019 14:51

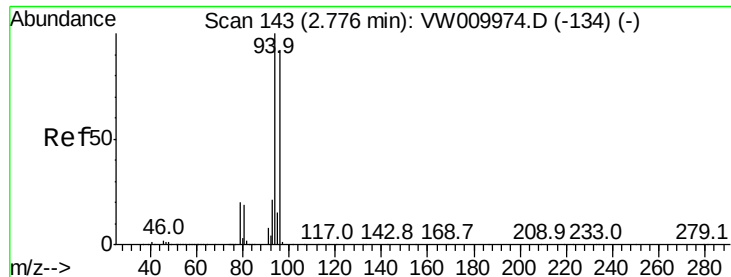
Tgt Ion: 50 Resp: 19512

Ion Ratio Lower Upper

50 100

52 36.4 22.7 42.1





#6

Bromomethane

Concen: 1.883 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

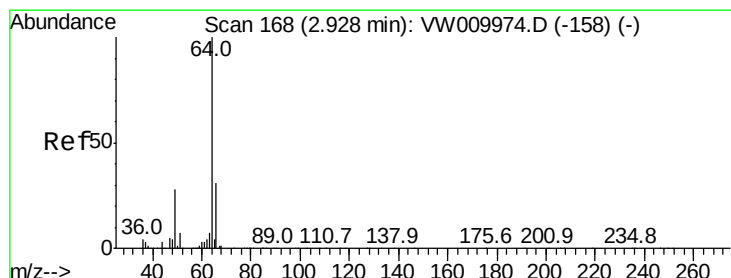
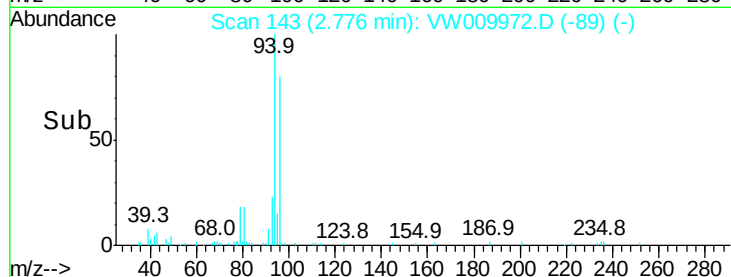
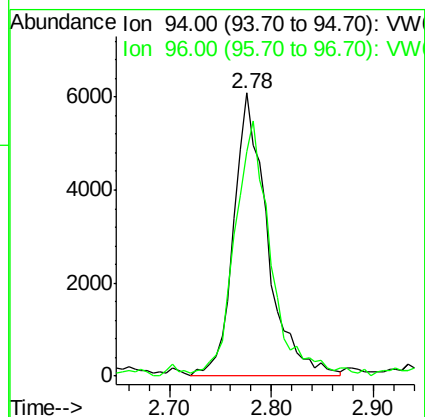
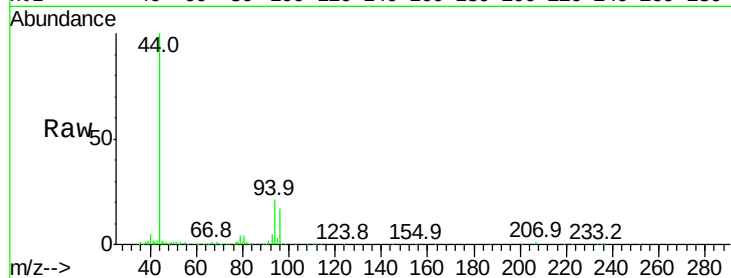
VSTD2.503

Tgt Ion: 94 Resp: 13975

Ion Ratio Lower Upper

94 100

96 87.0 9.5 180.3



#8

Chloroethane

Concen: 1.829 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW009972.D

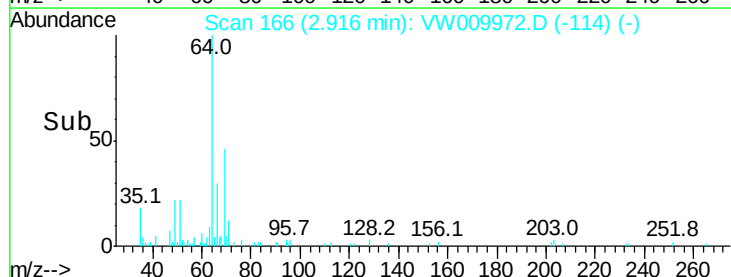
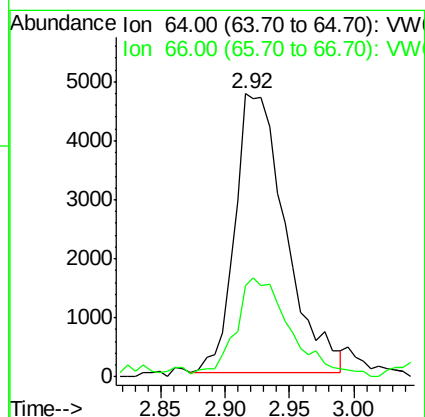
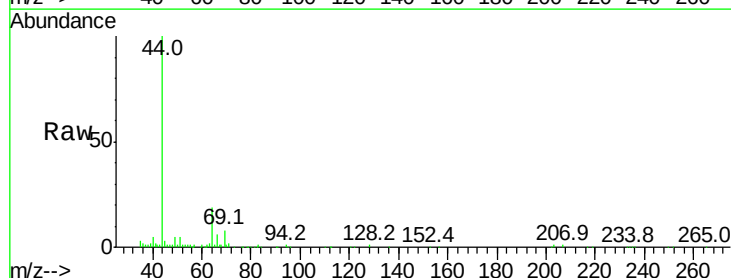
Acq: 15 Apr 2019 14:51

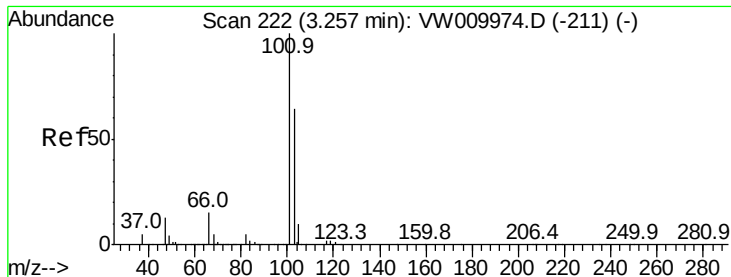
Tgt Ion: 64 Resp: 12874

Ion Ratio Lower Upper

64 100

66 32.1 21.7 40.3



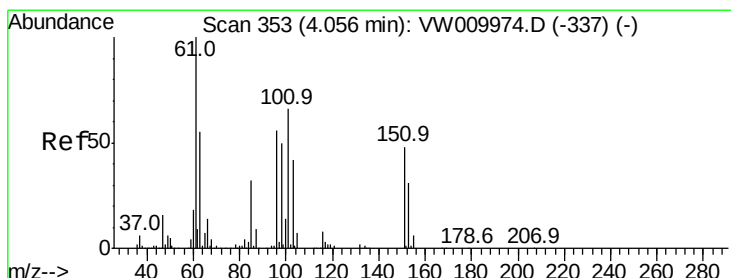
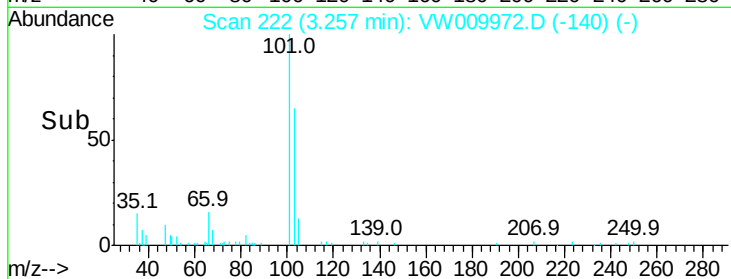
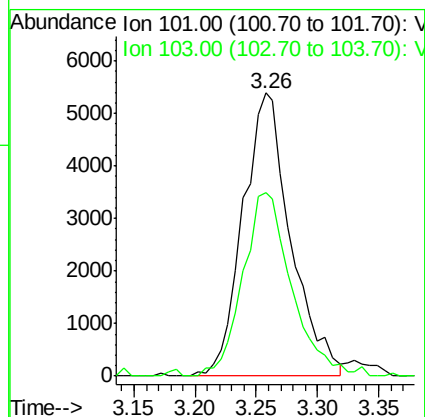
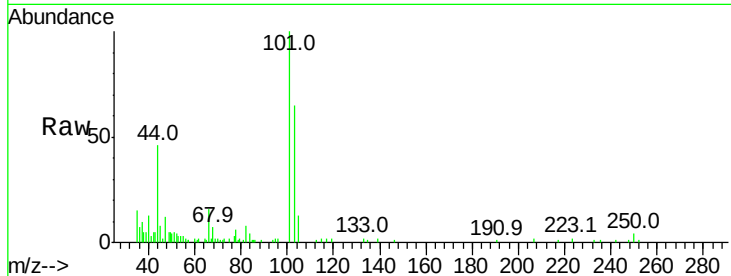


#9

Trichlorofluoromethane
 Concen: 2.235 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

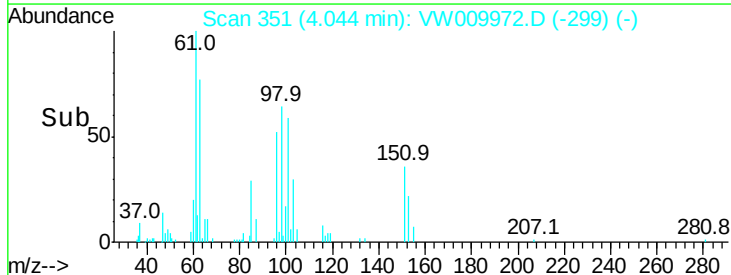
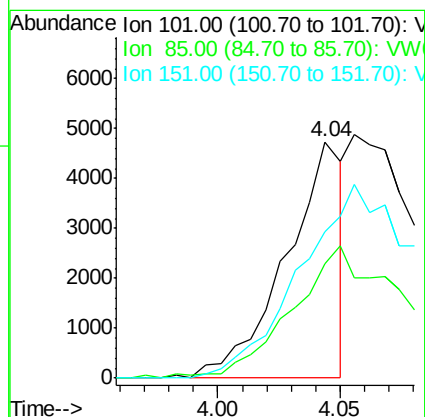
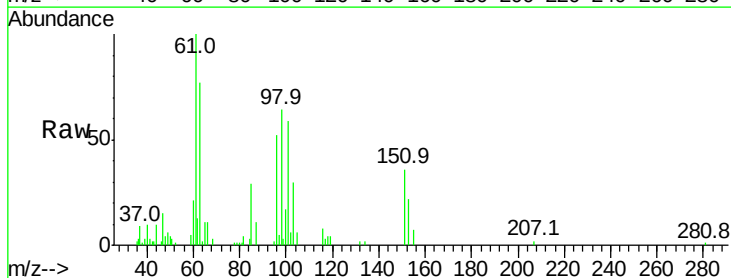
Tgt Ion:101 Resp: 14706
 Ion Ratio Lower Upper
 101 100
 103 65.4 44.5 82.7

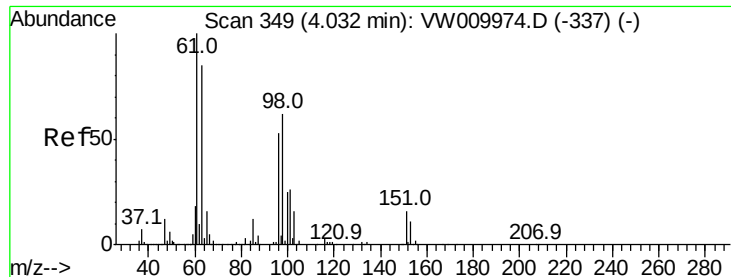


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.896 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion:101 Resp: 7672
 Ion Ratio Lower Upper
 101 100
 85 57.1 37.0 55.4#
 151 182.7 58.2 87.2#

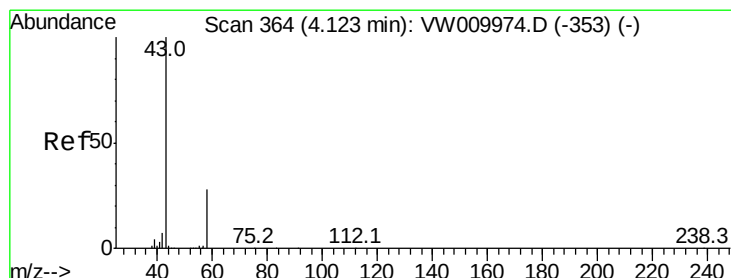
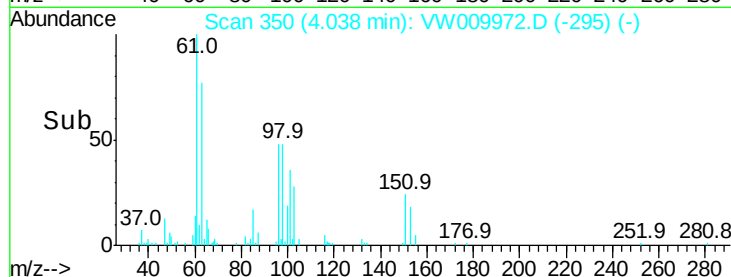
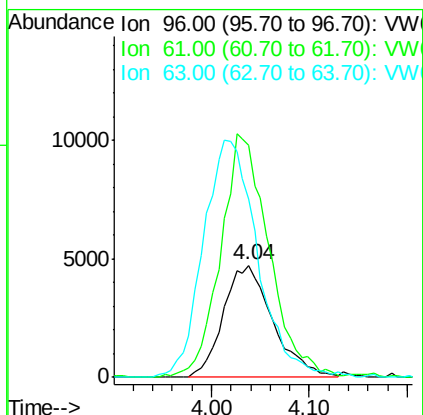
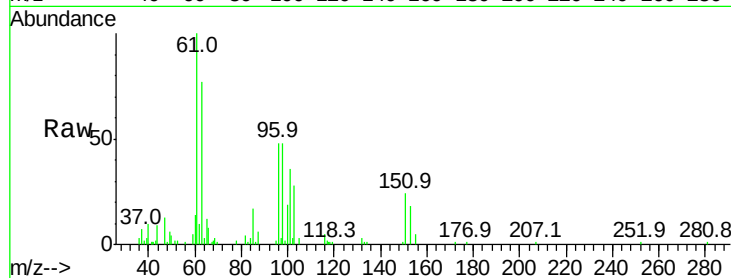




#12
1,1-Dichloroethene
Concen: 2.036 ug/L
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW009972.D
Acq: 15 Apr 2019 14:51

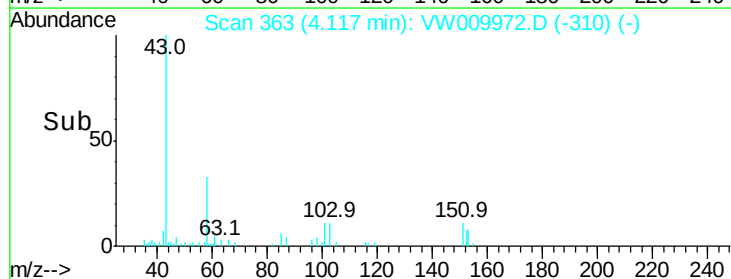
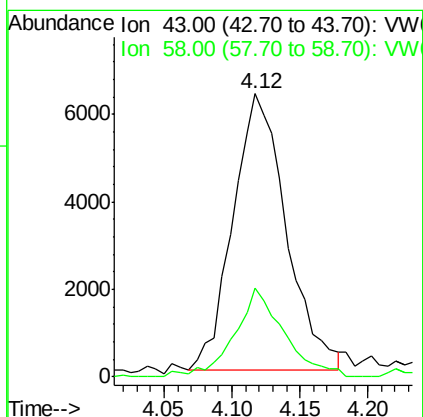
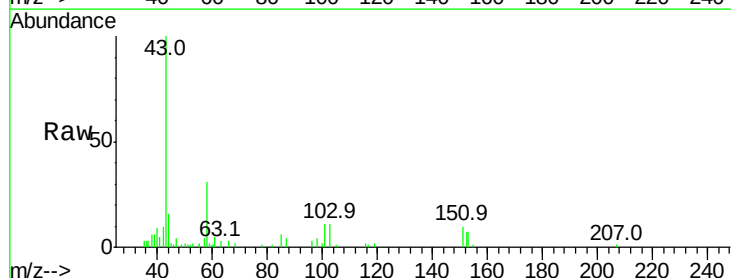
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

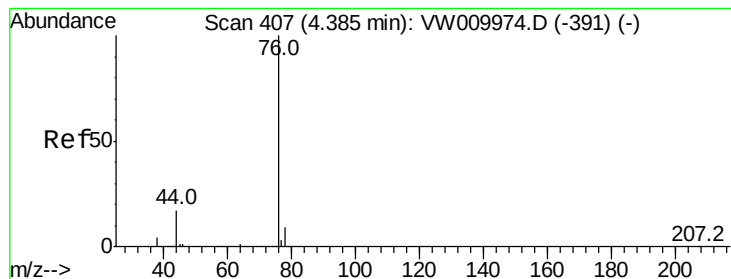
Tgt Ion: 96 Resp: 16612
Ion Ratio Lower Upper
96 100
61 207.4 131.2 243.6
63 159.2 113.9 211.5



#13
Acetone
Concen: 6.184 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW009972.D
Acq: 15 Apr 2019 14:51

Tgt Ion: 43 Resp: 17295
Ion Ratio Lower Upper
43 100
58 29.2 0.0 56.2





#14

Carbon disulfide

Concen: 1.580 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

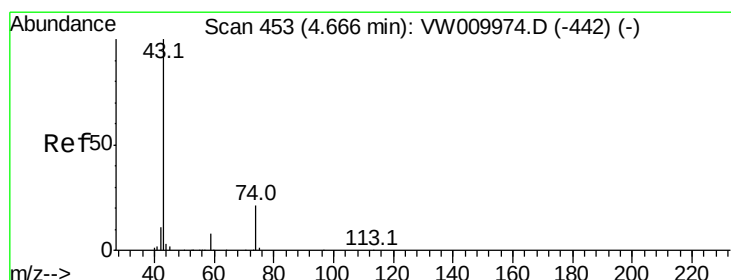
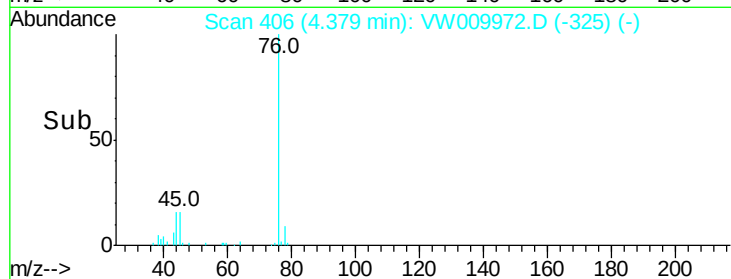
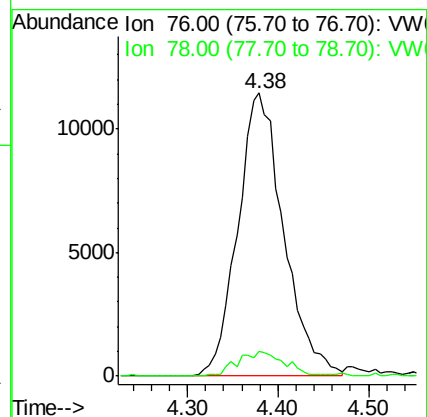
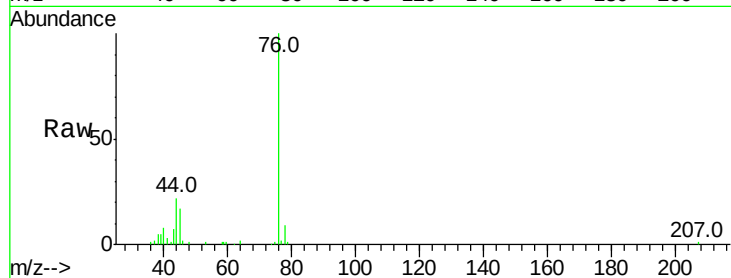
VSTD2.503

Tgt Ion: 76 Resp: 40075

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



#15

Methyl Acetate

Concen: 2.566 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW009972.D

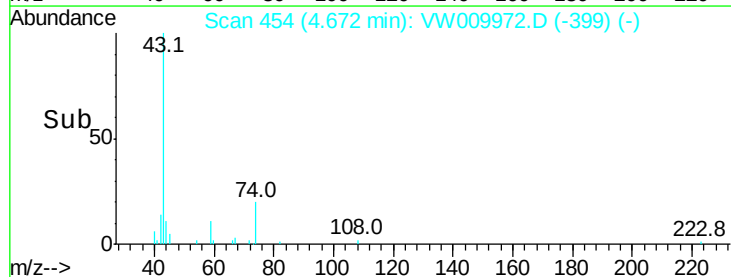
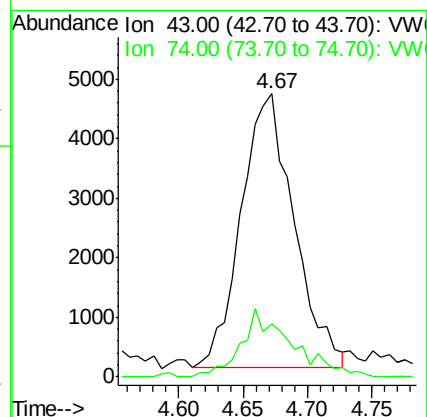
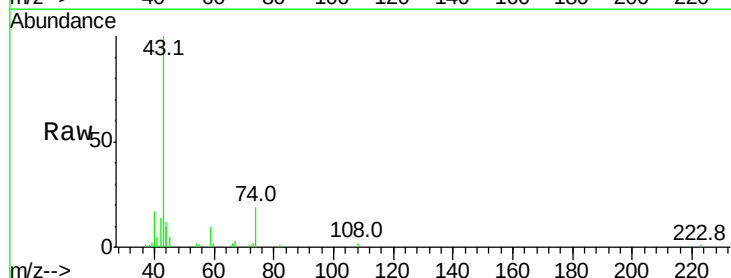
Acq: 15 Apr 2019 14:51

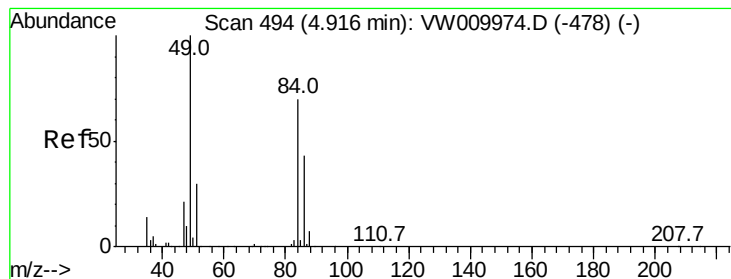
Tgt Ion: 43 Resp: 13084

Ion Ratio Lower Upper

43 100

74 10.8 16.2 24.4#





#16

Methylene chloride

Concen: 3.805 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

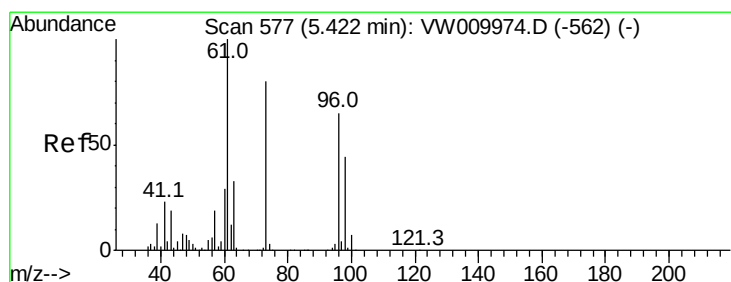
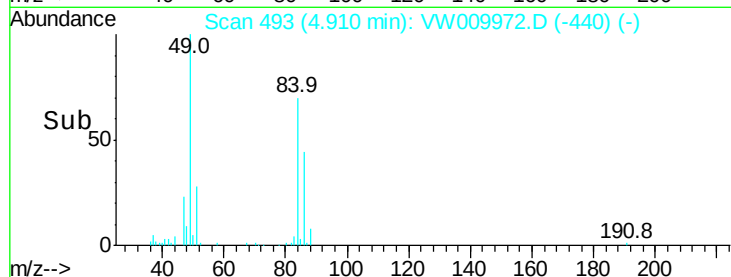
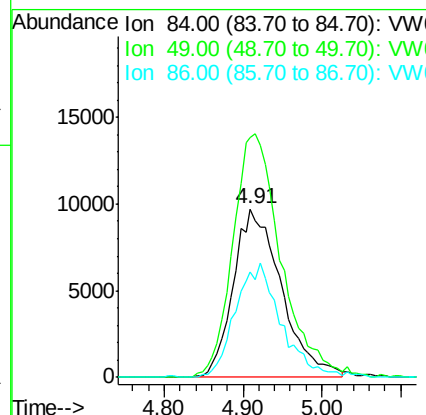
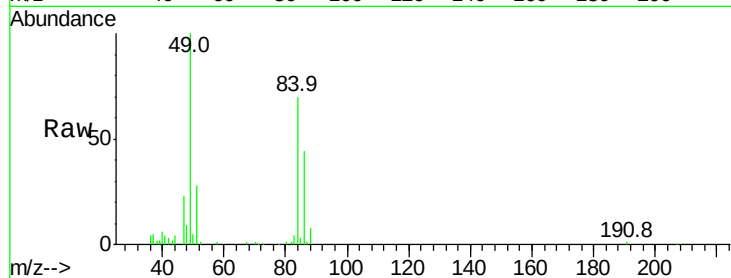
Tgt Ion: 84 Resp: 41220

Ion Ratio Lower Upper

84 100

49 142.3 100.7 187.1

86 62.5 43.8 81.3



#17

Methyl tert-butyl Ether

Concen: 1.384 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

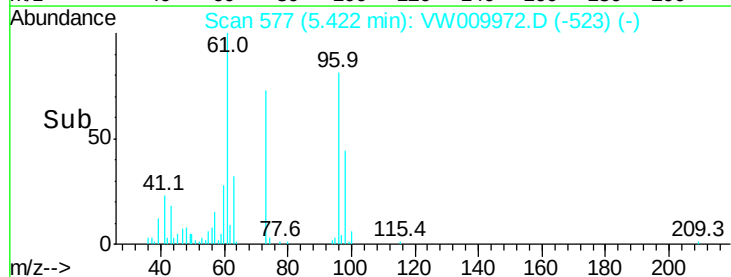
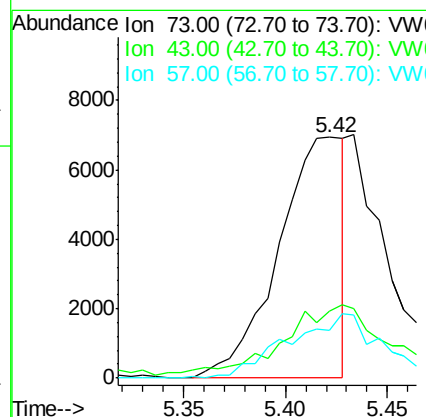
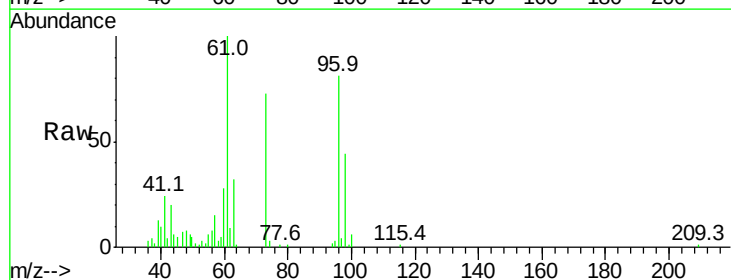
Tgt Ion: 73 Resp: 15555

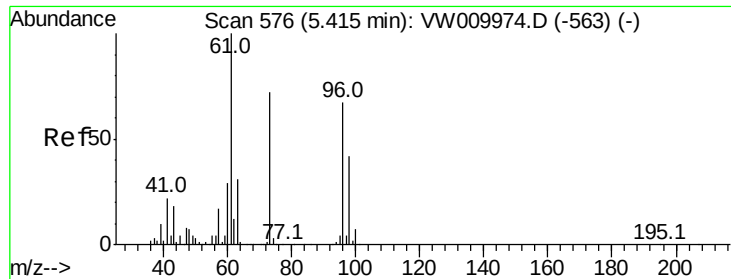
Ion Ratio Lower Upper

73 100

43 24.2 19.4 29.0

57 19.2 18.6 28.0





#18

trans-1,2-Dichloroethene

Concen: 1.394 ug/L

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

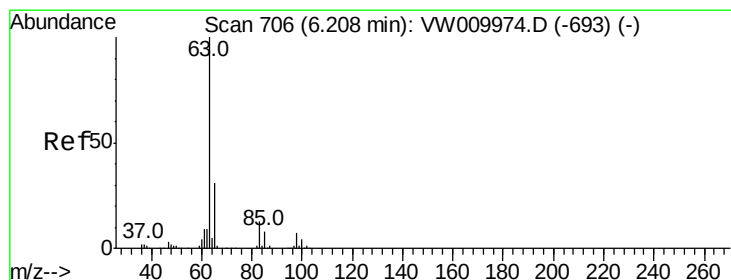
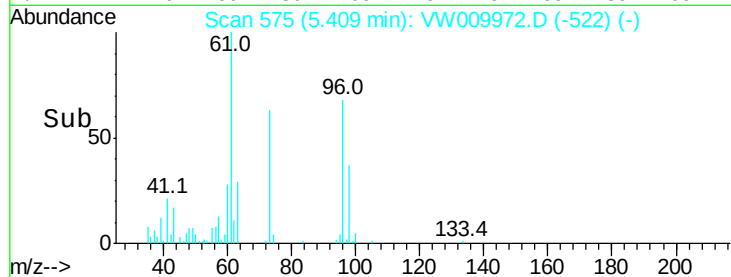
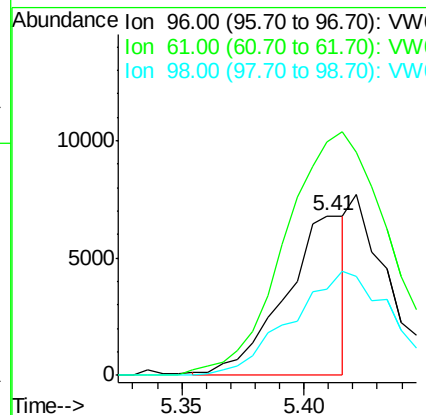
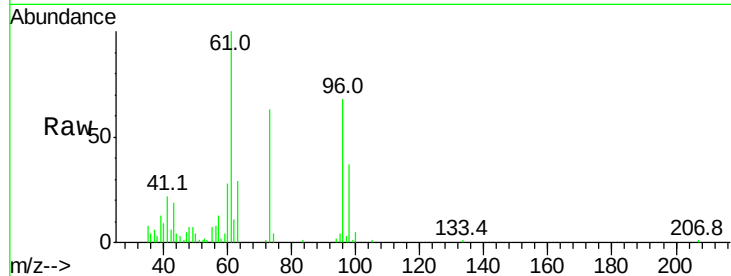
Tgt Ion: 96 Resp: 11833

Ion Ratio Lower Upper

96 100

61 146.8 104.9 194.9

98 54.4 44.1 81.9



#19

1,1-Dichloroethane

Concen: 2.656 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

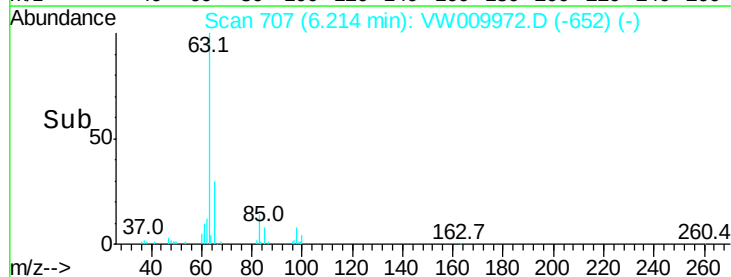
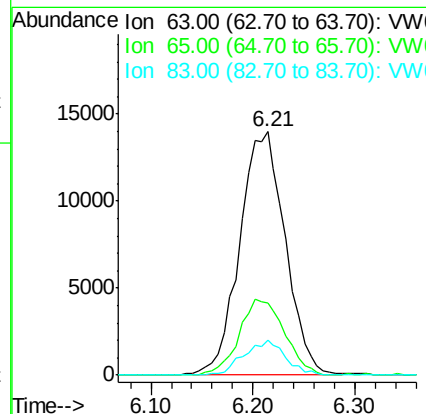
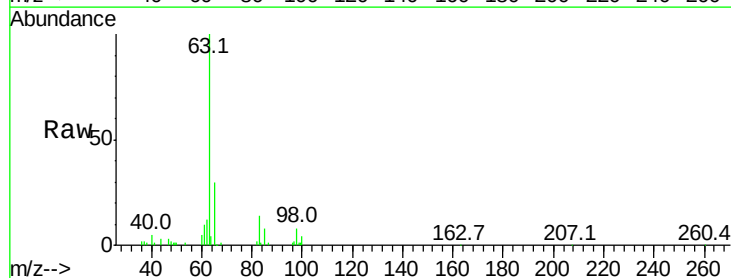
Tgt Ion: 63 Resp: 43256

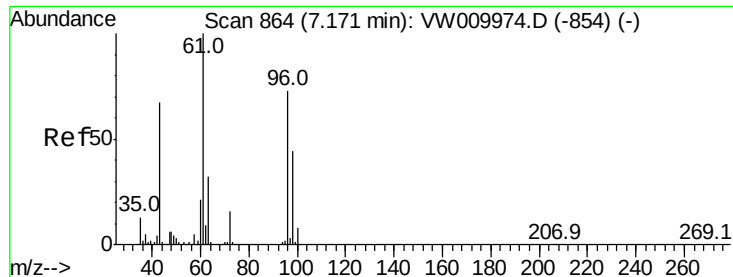
Ion Ratio Lower Upper

63 100

65 29.8 21.6 40.0

83 15.3 9.0 16.6





#21

2-Butanone

Concen: 4.223 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampled :

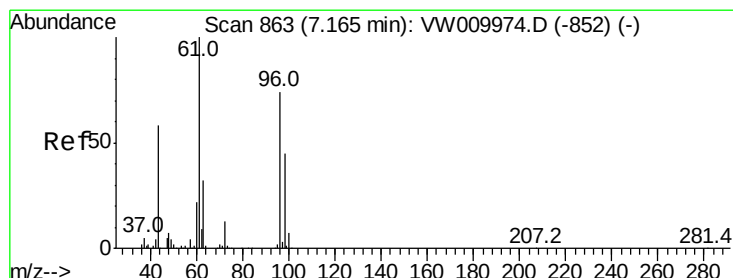
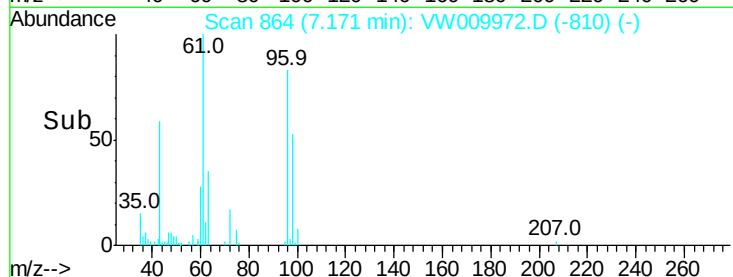
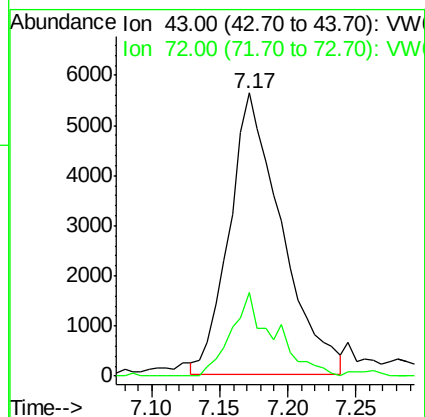
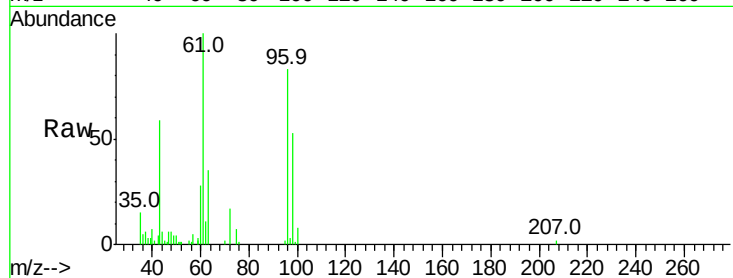
VSTD2.503

Tgt Ion: 43 Resp: 15019

Ion Ratio Lower Upper

43 100

72 18.4 11.9 35.7



#22

cis-1,2-Dichloroethene

Concen: 2.333 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

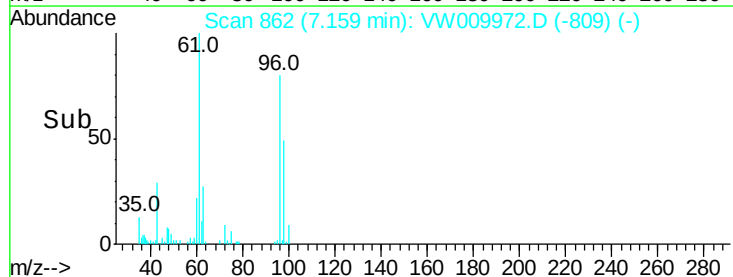
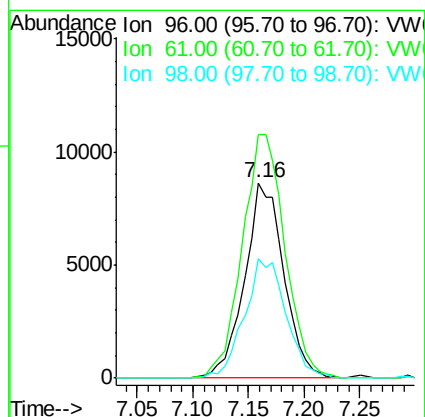
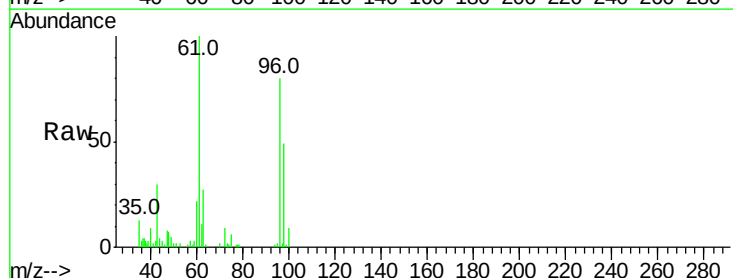
Tgt Ion: 96 Resp: 21170

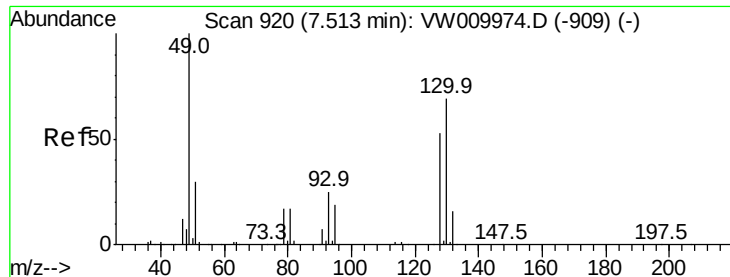
Ion Ratio Lower Upper

96 100

61 124.7 94.7 175.9

98 61.2 42.8 79.6

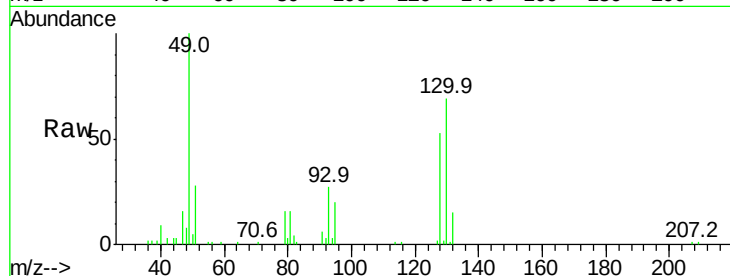




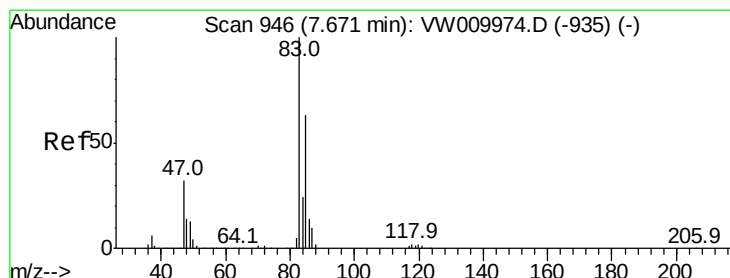
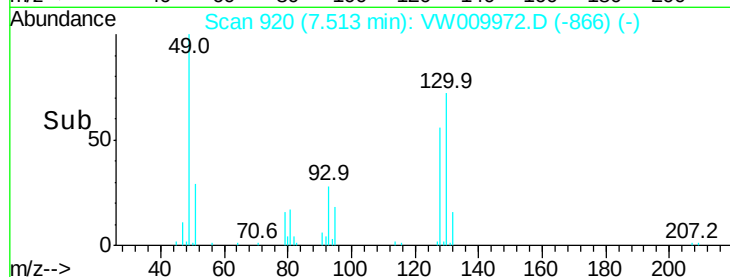
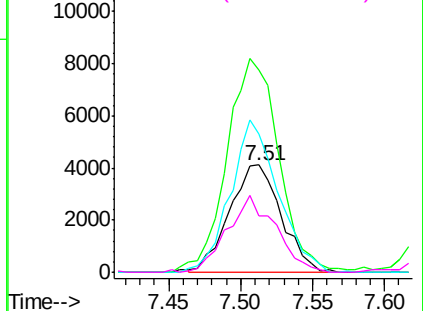
#23
 Bromochloromethane
 Concen: 2.480 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion:128 Resp: 10327
 Ion Ratio Lower Upper
 128 100
 49 188.4 132.2 245.4
 130 129.3 91.5 169.9
 51 52.8 45.4 68.0

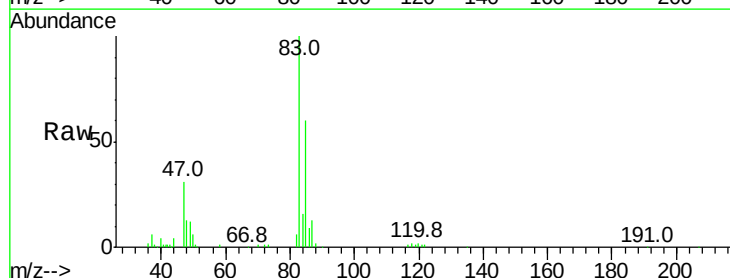


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): V
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): V

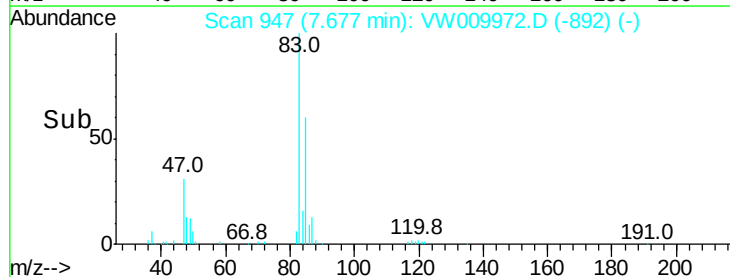
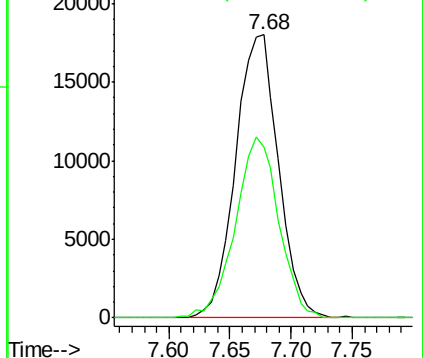


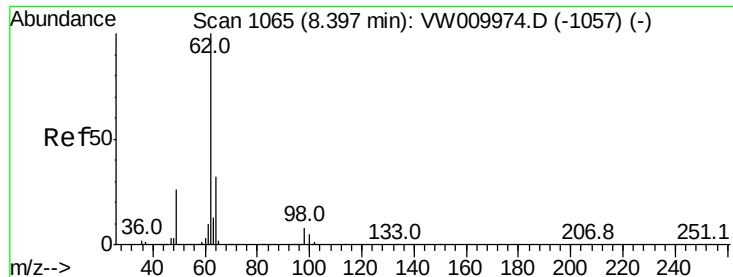
#25
 Chloroform
 Concen: 2.572 ug/L
 RT: 7.68 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion: 83 Resp: 43868
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): V
 Ion 85.00 (84.70 to 85.70): V

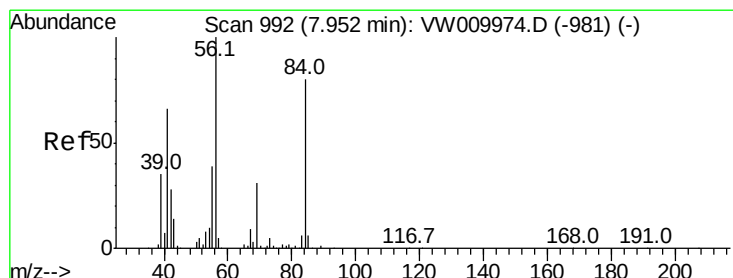
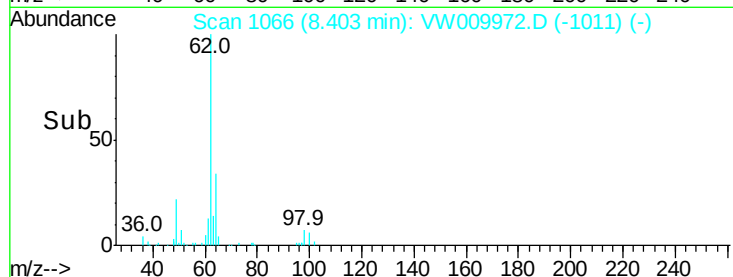
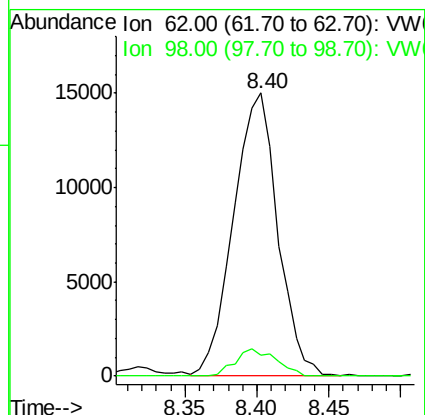
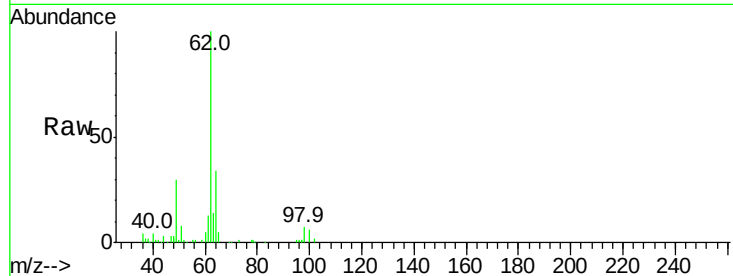




#27
 1,2-Dichloroethane
 Concen: 2.494 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

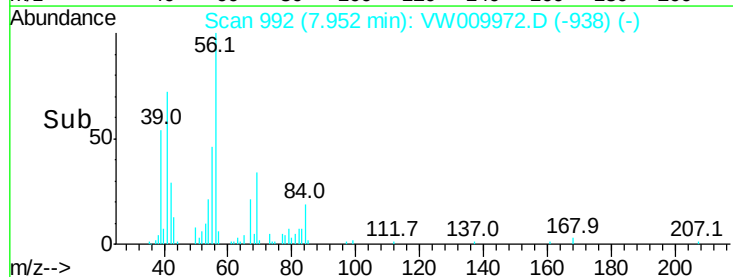
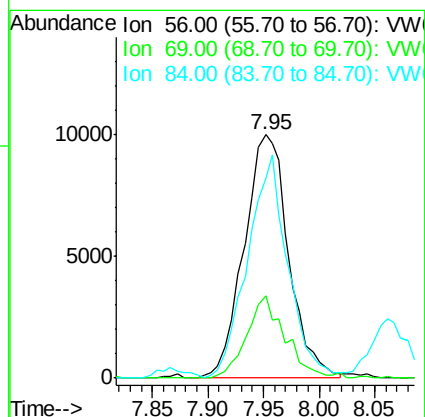
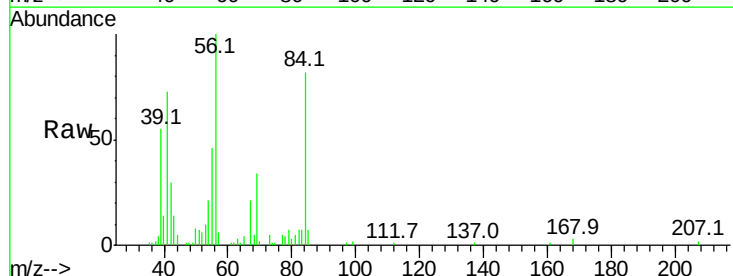
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

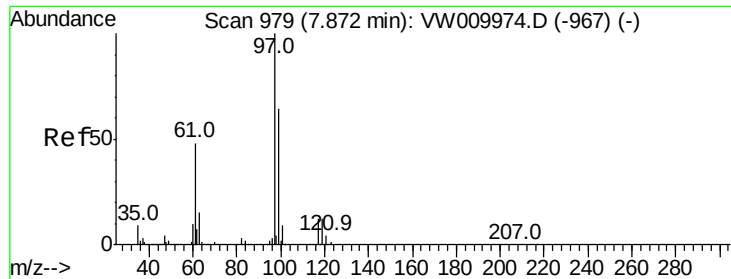
Tgt Ion: 62 Resp: 32180
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.6 10.0



#30
 Cyclohexane
 Concen: 1.982 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion: 56 Resp: 27799
 Ion Ratio Lower Upper
 56 100
 69 28.8 23.4 35.0
 84 83.2 65.5 98.3

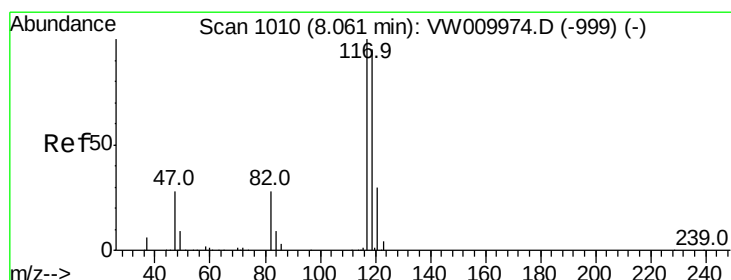
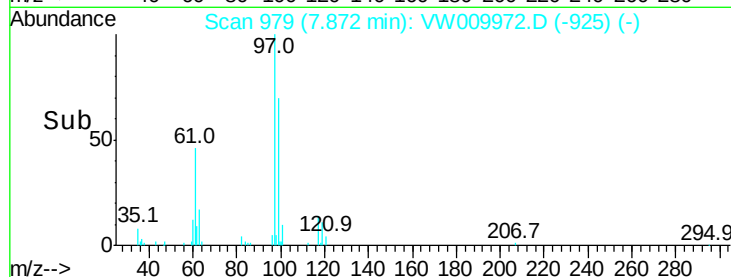
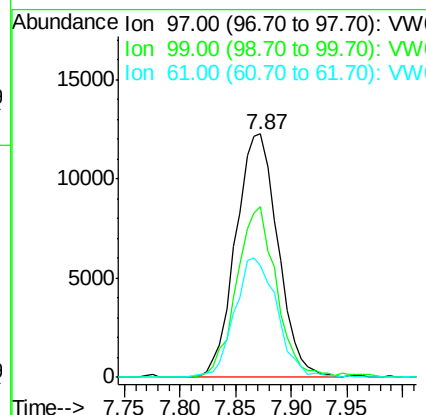
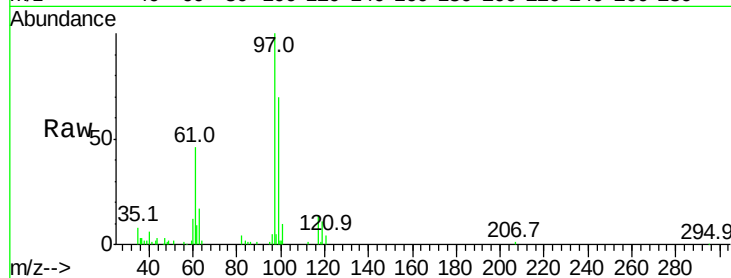




#31
 1,1,1-Trichloroethane
 Concen: 2.406 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

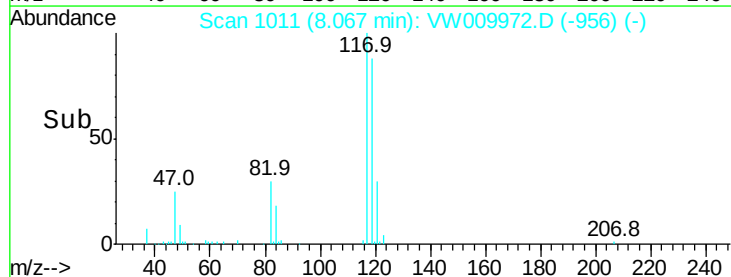
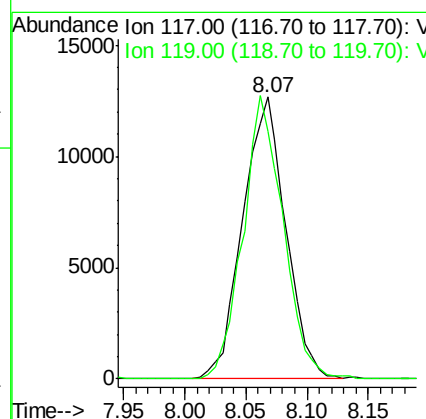
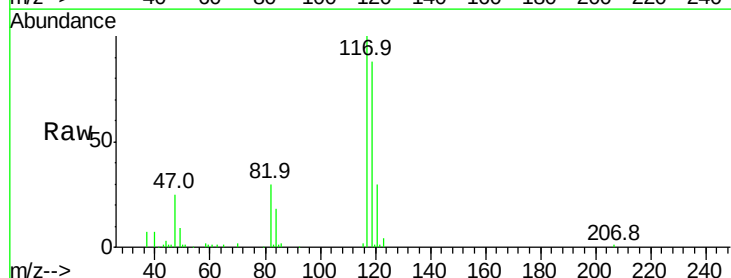
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

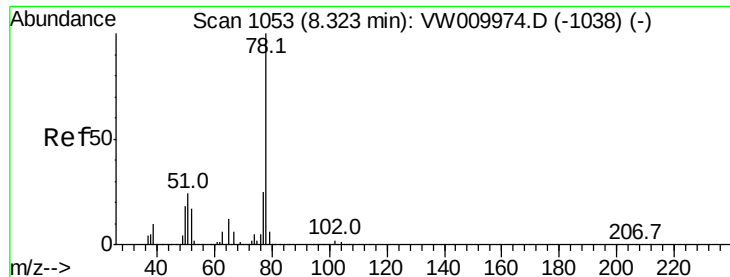
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.8	76.2
61	48.3	39.3	58.9



#32
 Carbon tetrachloride
 Concen: 2.293 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.8	115.2





#34

Benzene

Concen: 2.396 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

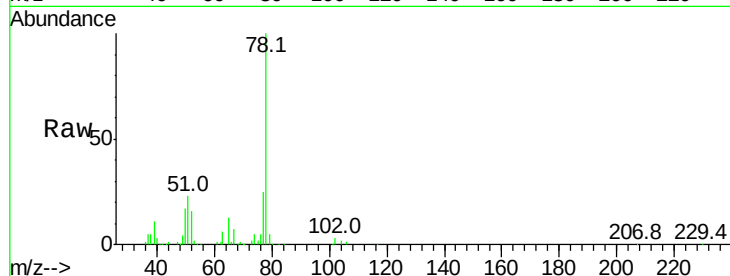
Instrument :

MSVOA_W

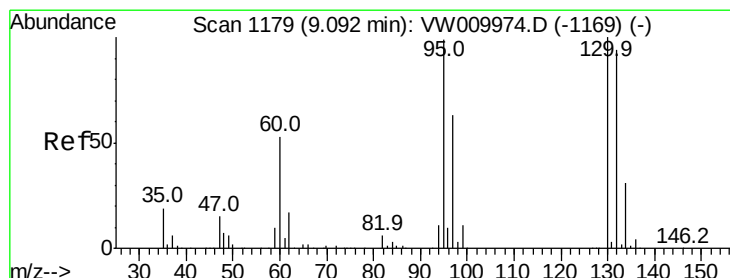
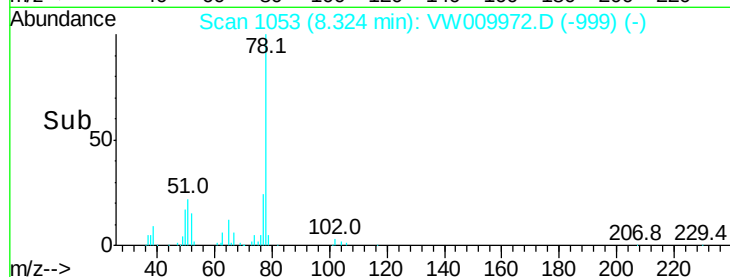
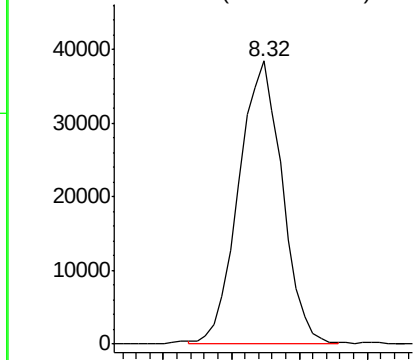
ClientSampled :

VSTD2.503

Tgt Ion: 78 Resp: 85658



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.481 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Tgt Ion: 95 Resp: 23217

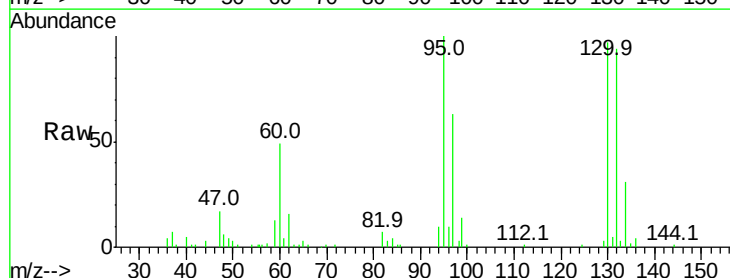
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.3	84.1
132	94.5	65.6	121.8
130	99.4	68.5	127.3

95 100

97 65.1 45.3 84.1

132 94.5 65.6 121.8

130 99.4 68.5 127.3

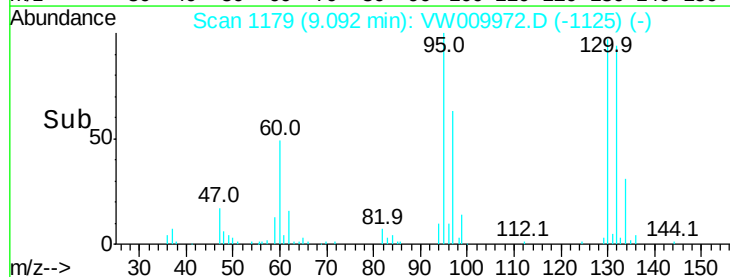
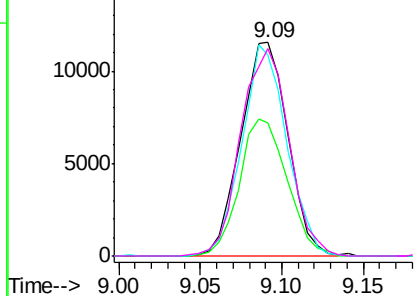


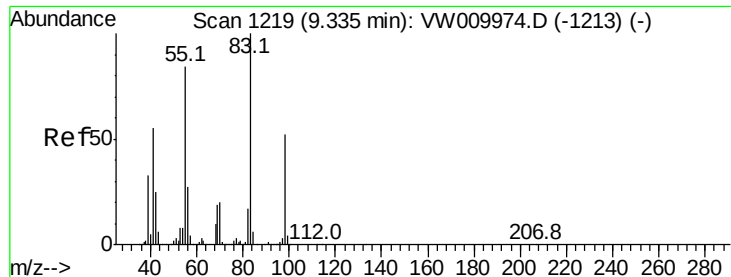
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

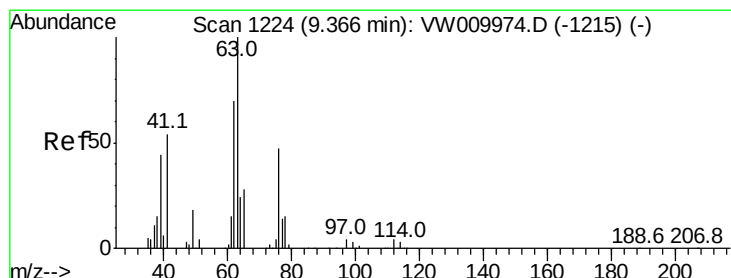
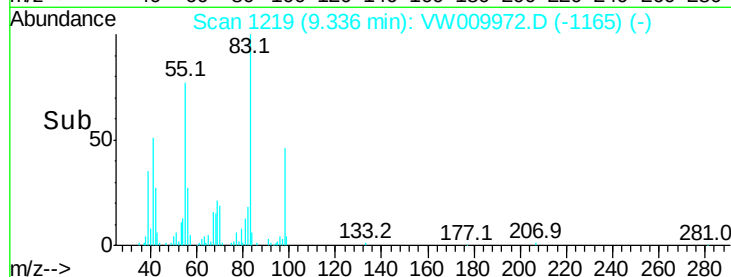
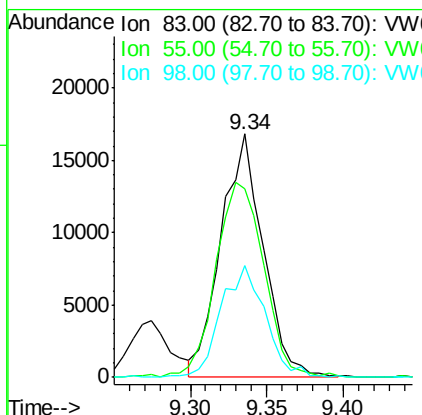
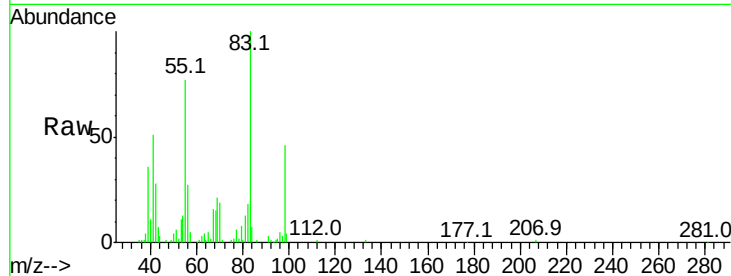




#36
Methylcyclohexane
Concen: 2.090 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009972.D
Acq: 15 Apr 2019 14:51

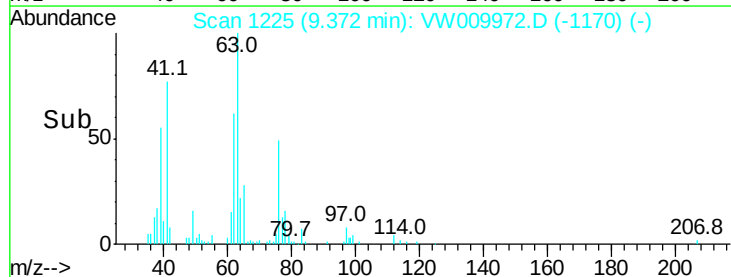
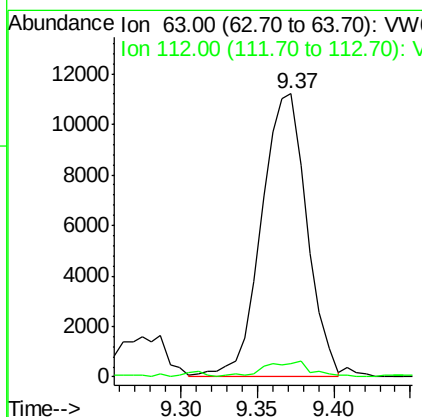
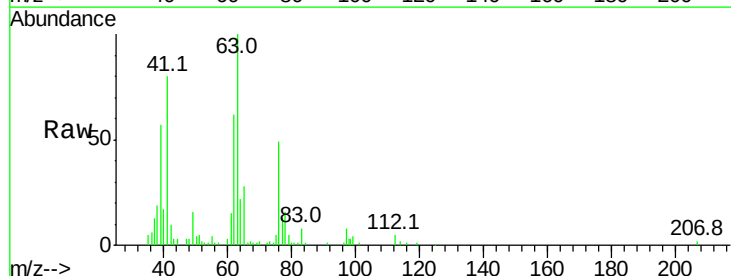
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

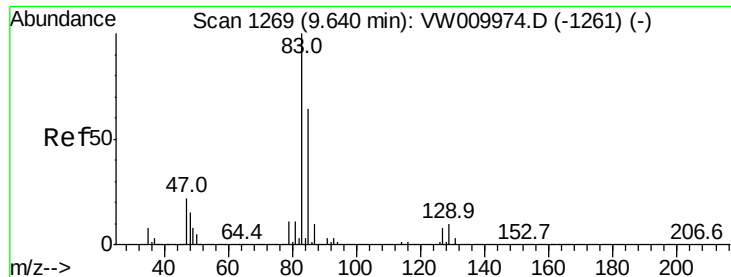
Tgt Ion: 83 Resp: 32148
Ion Ratio Lower Upper
83 100
55 90.9 68.4 102.6
98 48.2 40.0 60.0



#40
1,2-Dichloropropane
Concen: 2.525 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW009972.D
Acq: 15 Apr 2019 14:51

Tgt Ion: 63 Resp: 23109
Ion Ratio Lower Upper
63 100
112 1.3 3.4 5.2#





#41

Bromodichloromethane

Concen: 2.478 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampled :

VSTD2.503

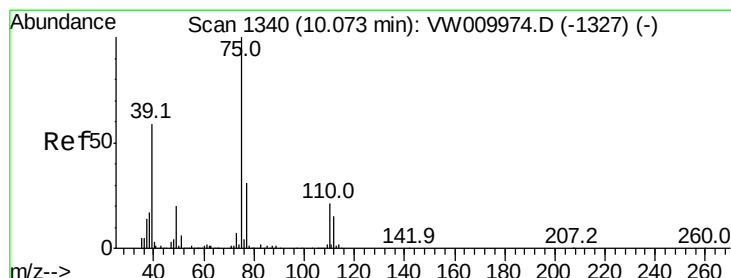
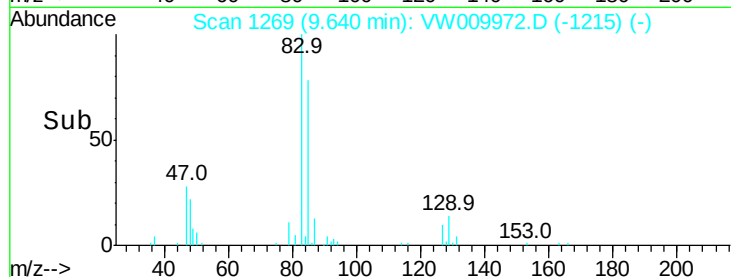
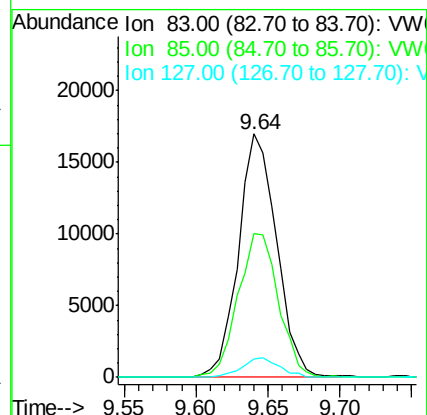
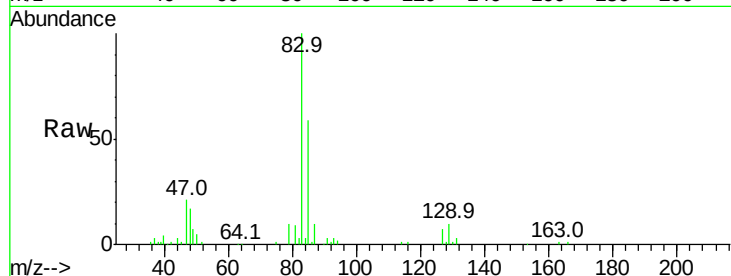
Tgt Ion: 83 Resp: 31297

Ion Ratio Lower Upper

83 100

85 58.9 45.1 83.9

127 7.5 6.1 9.1



#42

cis-1,3-Dichloropropene

Concen: 2.230 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009972.D

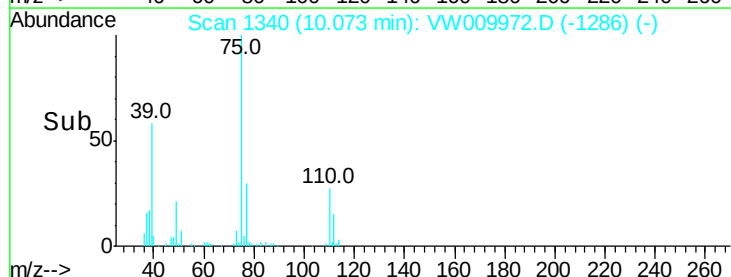
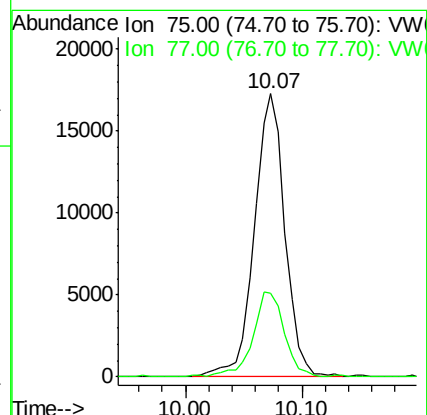
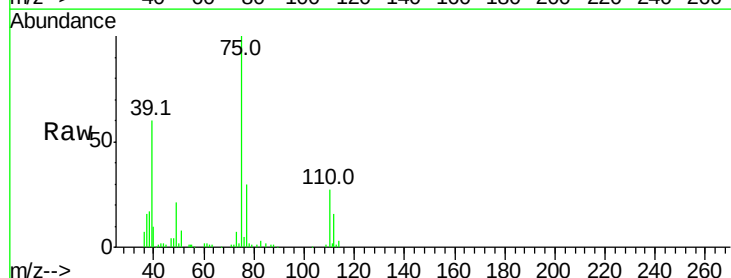
Acq: 15 Apr 2019 14:51

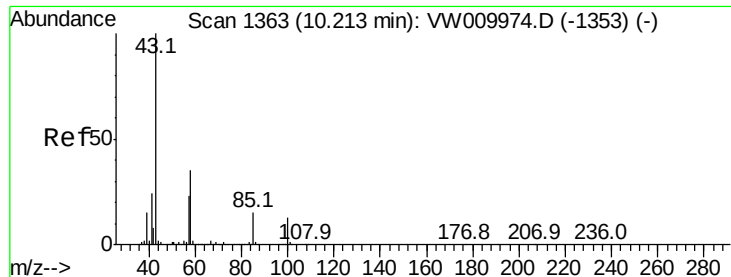
Tgt Ion: 75 Resp: 31622

Ion Ratio Lower Upper

75 100

77 29.7 21.8 40.4

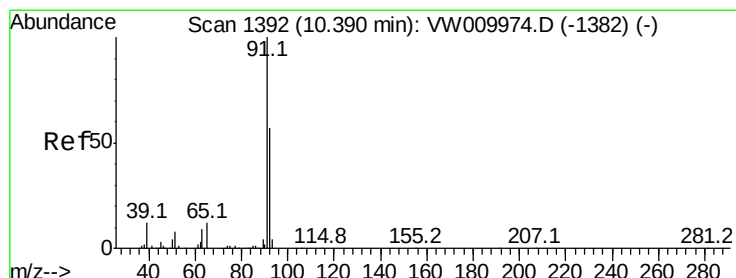
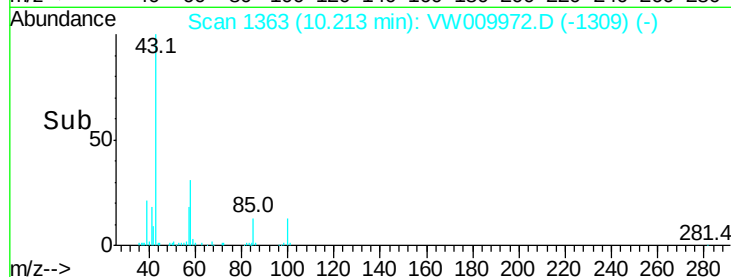
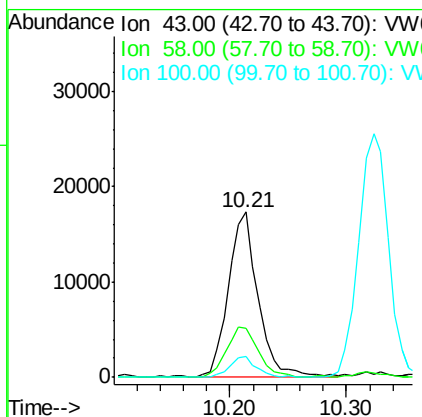
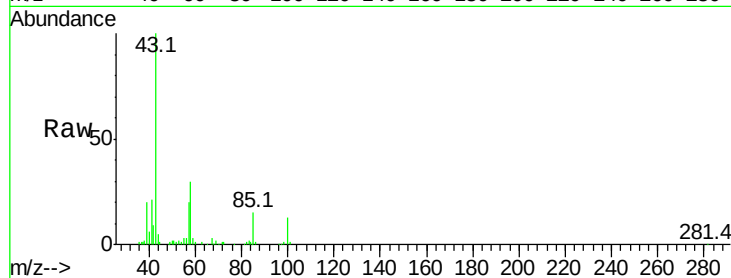




#43
 4-Methyl-2-pentanone
 Concen: 4.348 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

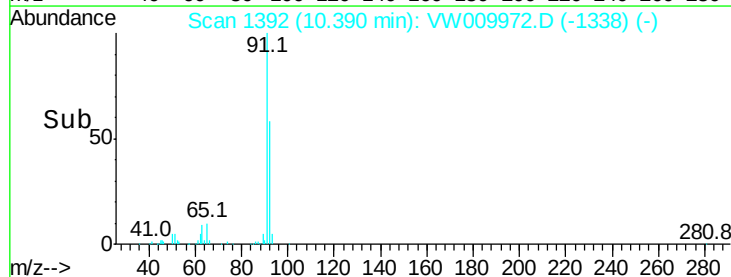
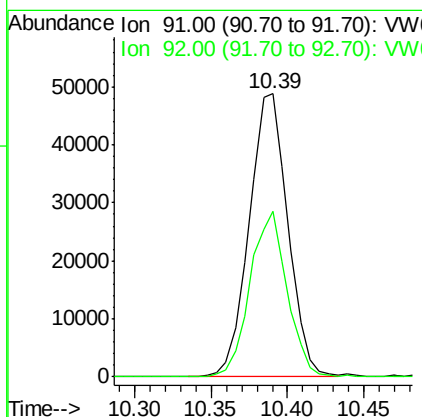
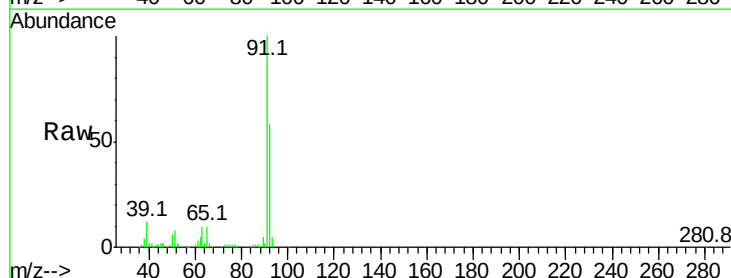
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

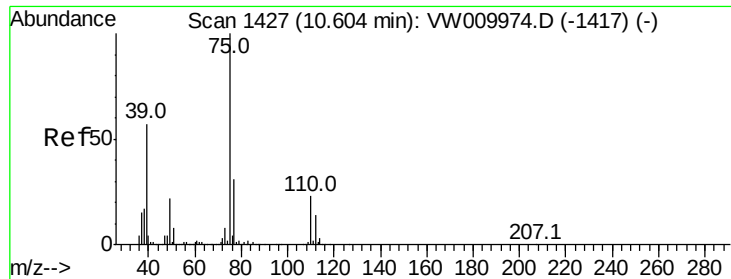
Tgt Ion: 43 Resp: 30912
 Ion Ratio Lower Upper
 43 100
 58 32.4 27.9 41.9
 100 10.9 10.5 15.7



#44
 Toluene
 Concen: 2.272 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion: 91 Resp: 86076
 Ion Ratio Lower Upper
 91 100
 92 58.4 39.8 74.0





#45

trans-1,3-Dichloropropene

Concen: 2.261 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

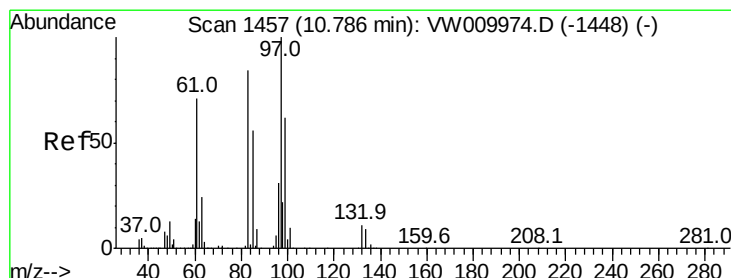
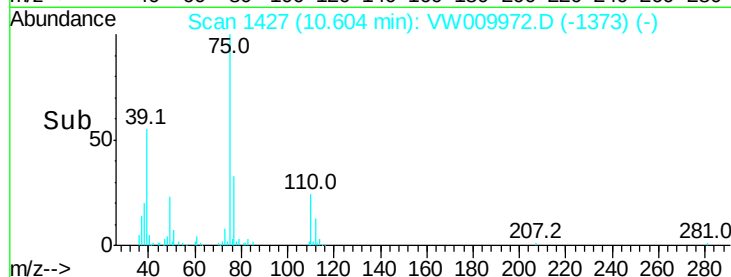
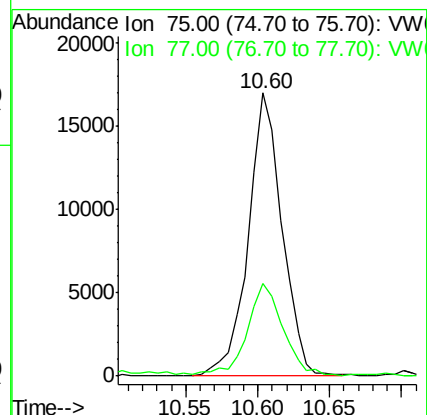
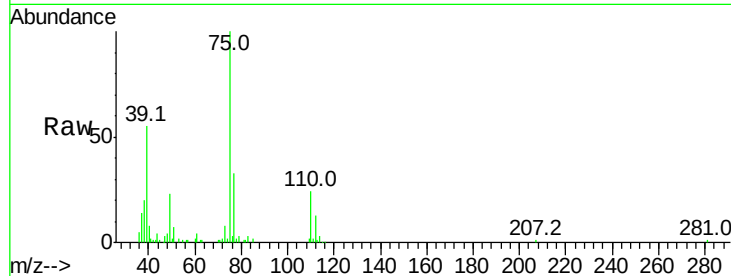
VSTD2.503

Tgt Ion: 75 Resp: 27645

Ion Ratio Lower Upper

75 100

77 32.9 22.0 41.0



#46

1,1,2-Trichloroethane

Concen: 2.606 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Tgt Ion: 97 Resp: 17904

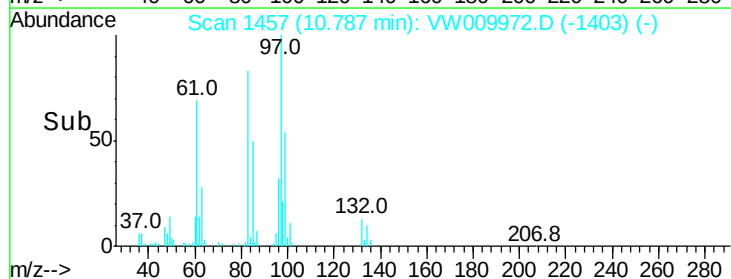
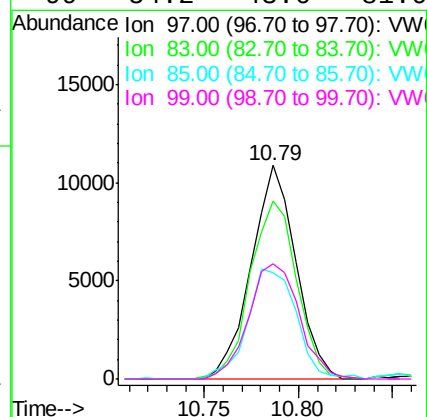
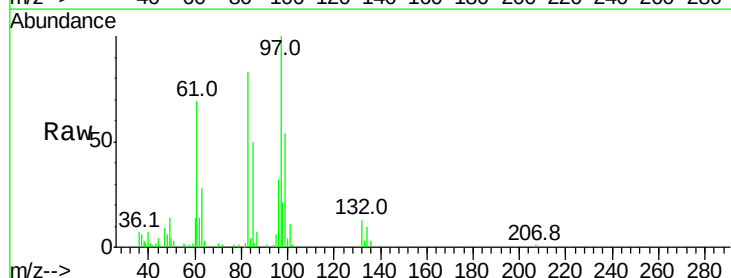
Ion Ratio Lower Upper

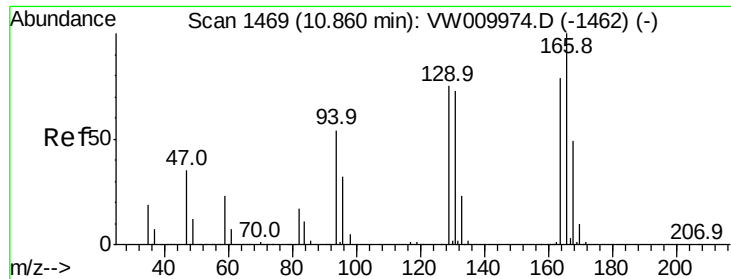
97 100

83 83.2 59.1 109.7

85 49.7 39.3 73.1

99 54.2 43.6 81.0





#47

Tetrachloroethene

Concen: 2.421 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009972.D

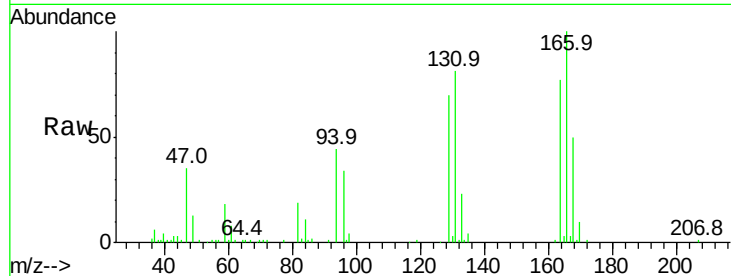
Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampled :

VSTD2.503



Tgt Ion:164 Resp: 17842

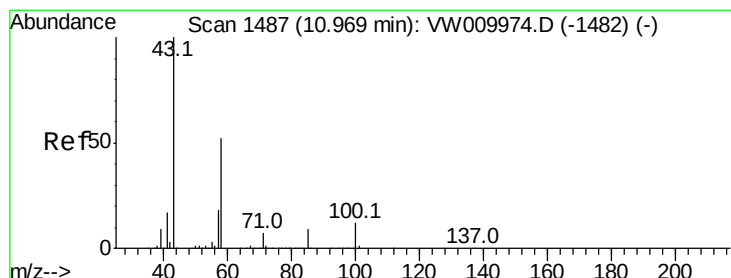
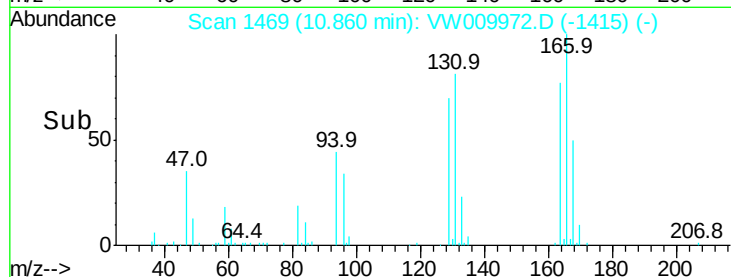
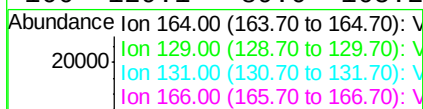
Ion Ratio Lower Upper

164 100

129 90.0 66.8 124.2

131 104.0 65.2 121.0

166 129.1 89.0 165.2



#49

2-Hexanone

Concen: 3.951 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Tgt Ion: 43 Resp: 20917

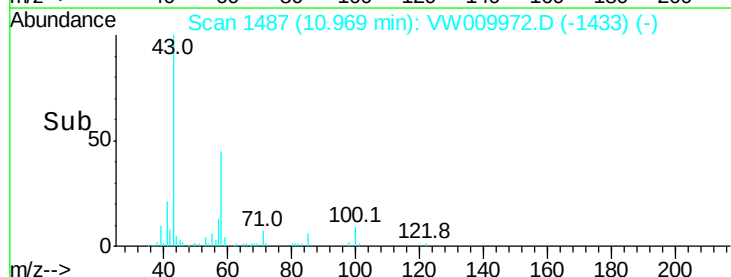
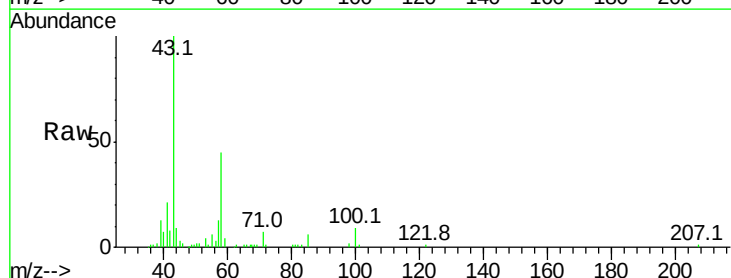
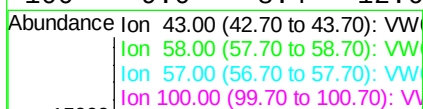
Ion Ratio Lower Upper

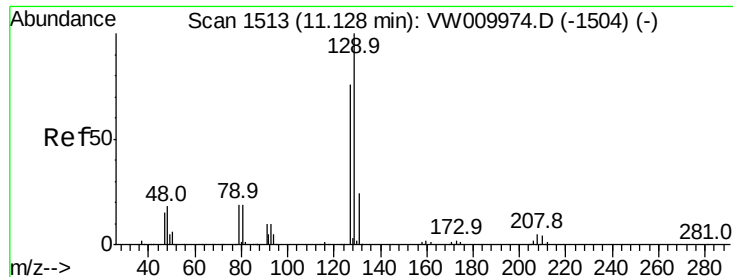
43 100

58 44.5 39.8 59.8

57 16.8 14.1 21.1

100 9.0 8.4 12.6





#50

Dibromochloromethane

Concen: 2.378 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

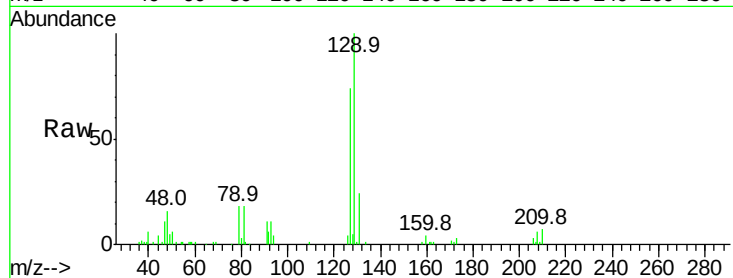
VSTD2.503

Tgt Ion:129 Resp: 20073

Ion Ratio Lower Upper

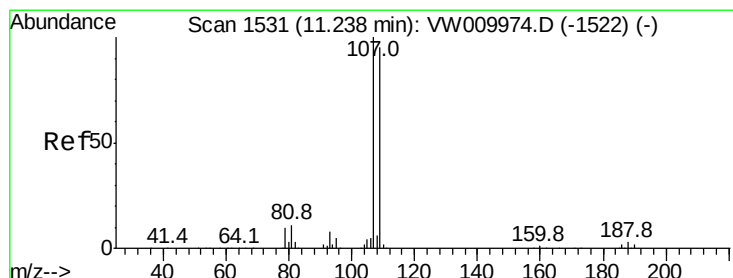
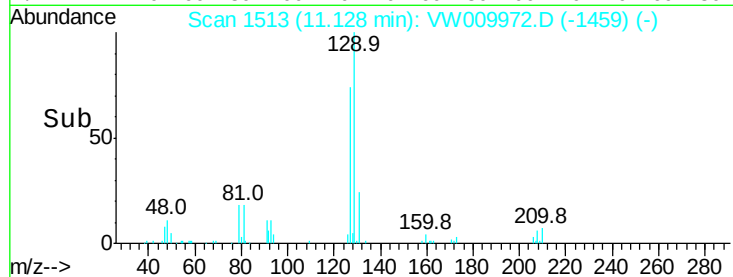
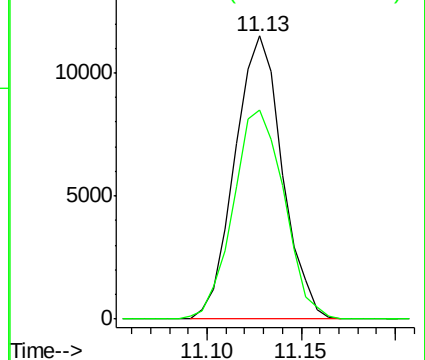
129 100

127 73.9 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.510 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

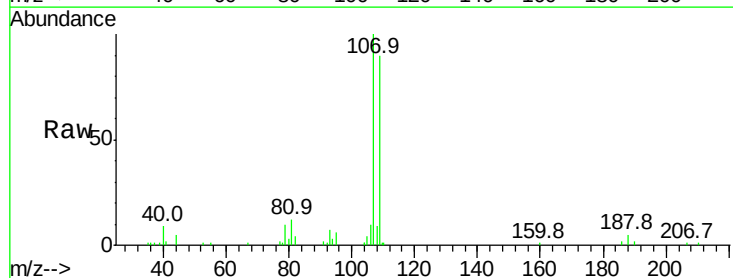
Tgt Ion:107 Resp: 17287

Ion Ratio Lower Upper

107 100

109 90.5 66.4 123.4

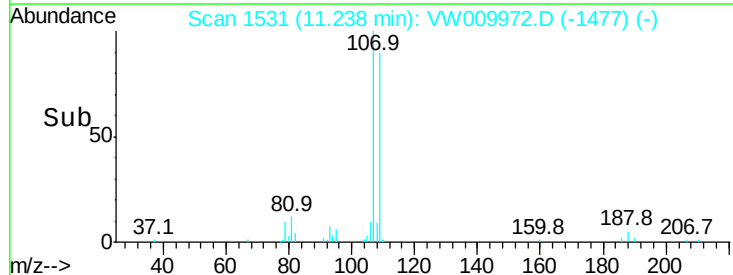
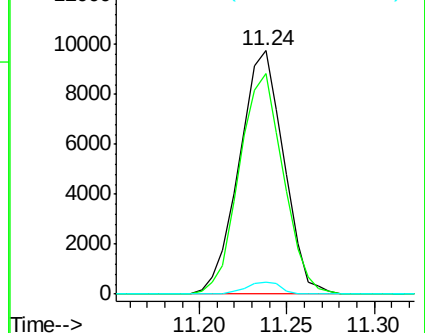
188 4.9 2.7 4.1#

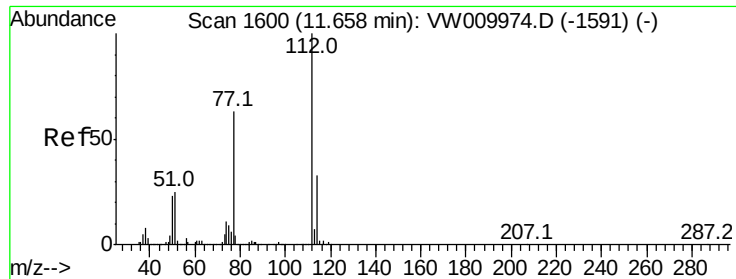


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.554 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

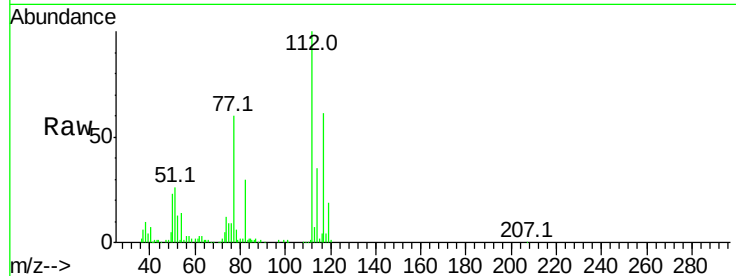
Tgt Ion: 112 Resp: 62280

Ion Ratio Lower Upper

112 100

77 60.0 50.2 75.4

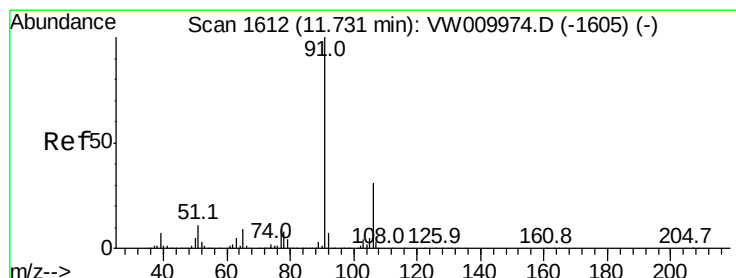
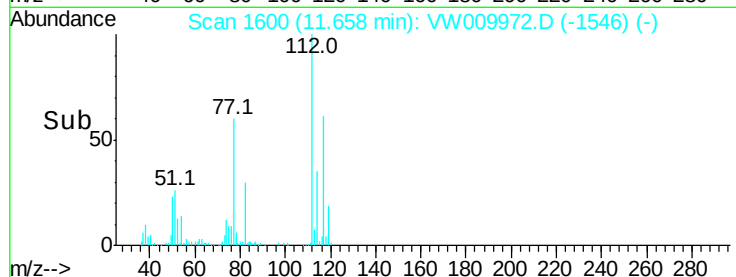
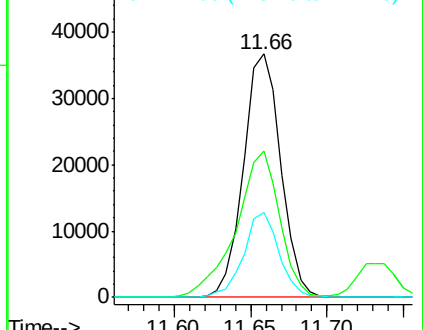
114 34.9 22.7 42.3



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 2.219 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009972.D

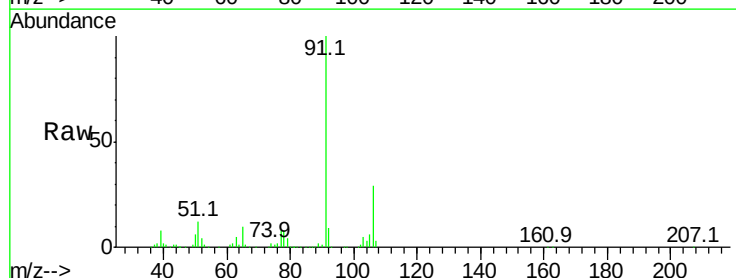
Acq: 15 Apr 2019 14:51

Tgt Ion: 91 Resp: 95741

Ion Ratio Lower Upper

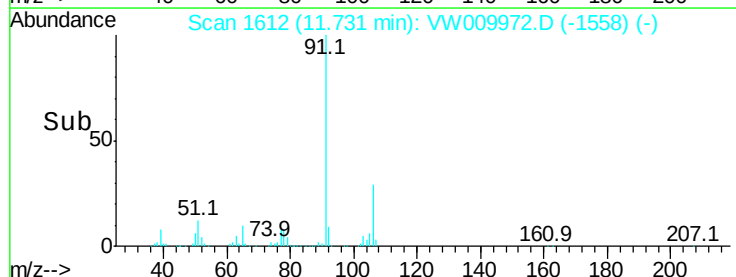
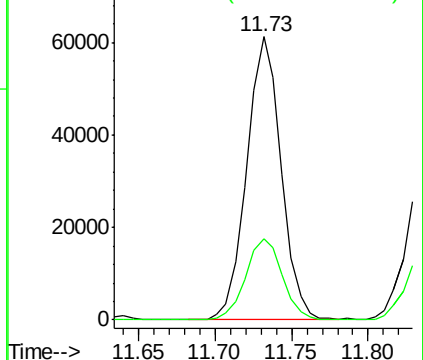
91 100

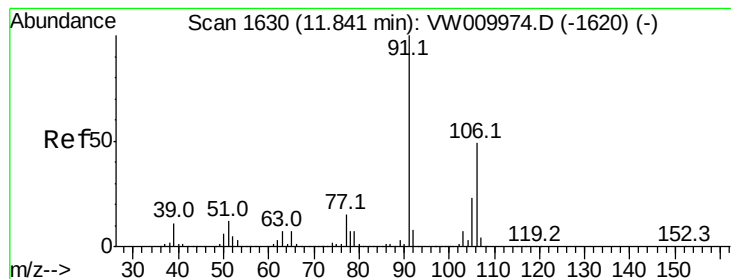
106 28.7 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 2.076 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampled :

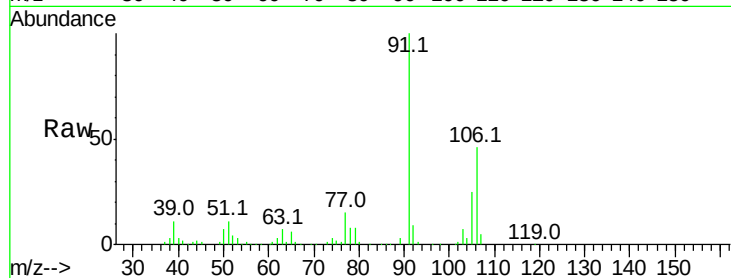
VSTD2.503

Tgt Ion:106 Resp: 33127

Ion Ratio Lower Upper

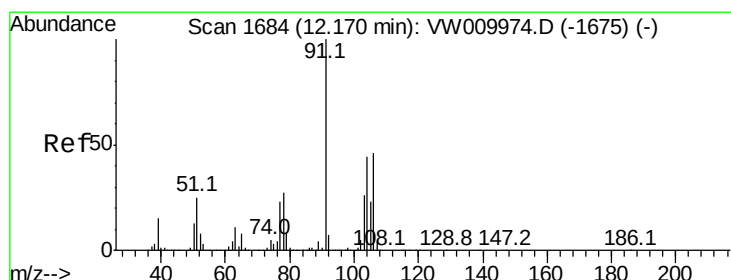
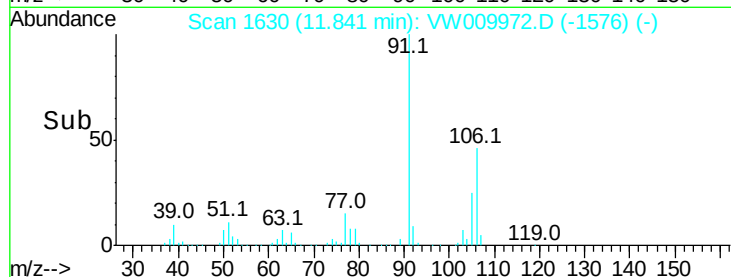
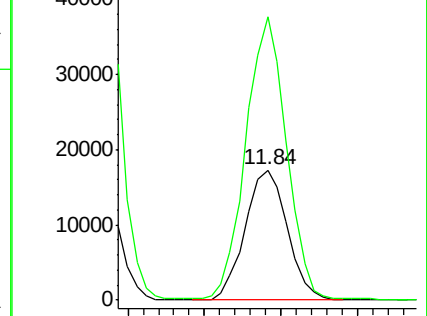
106 100

91 218.1 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.010 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW009972.D

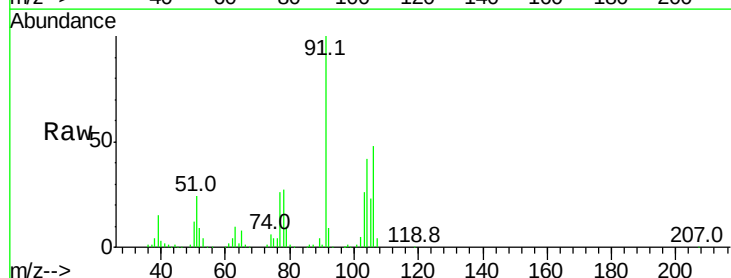
Acq: 15 Apr 2019 14:51

Tgt Ion:106 Resp: 30550

Ion Ratio Lower Upper

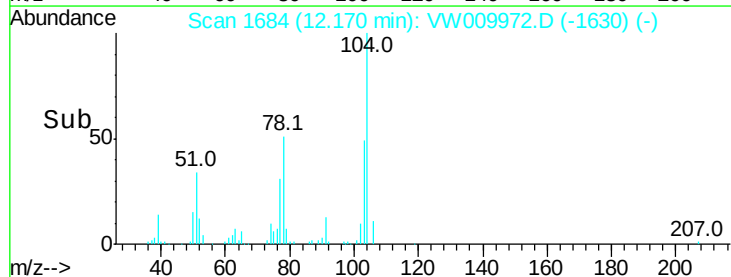
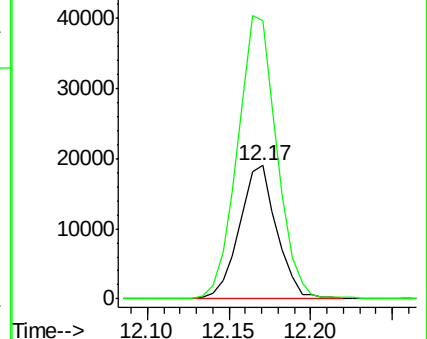
106 100

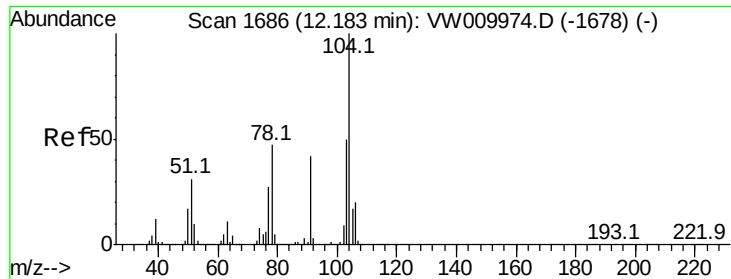
91 208.7 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.005 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

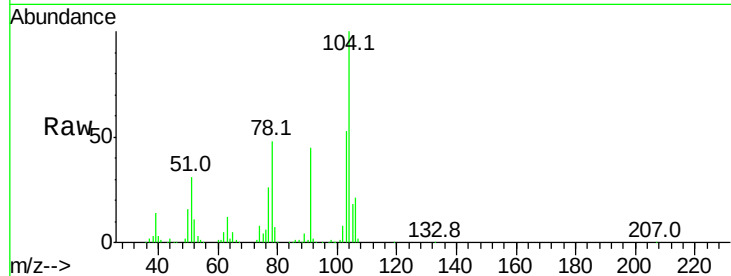
VSTD2.503

Tgt Ion:104 Resp: 52875

Ion Ratio Lower Upper

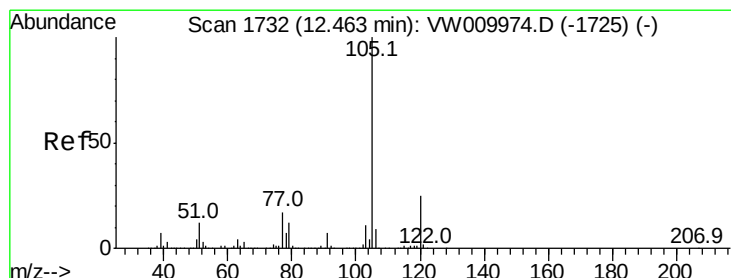
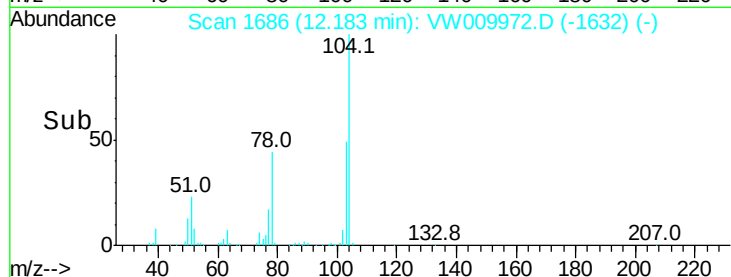
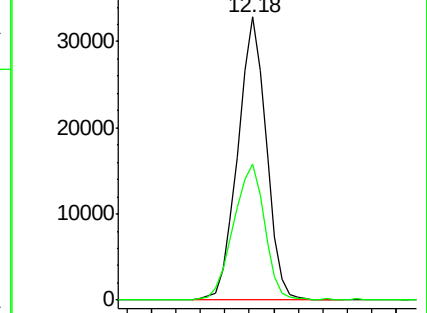
104 100

78 48.0 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 1.961 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

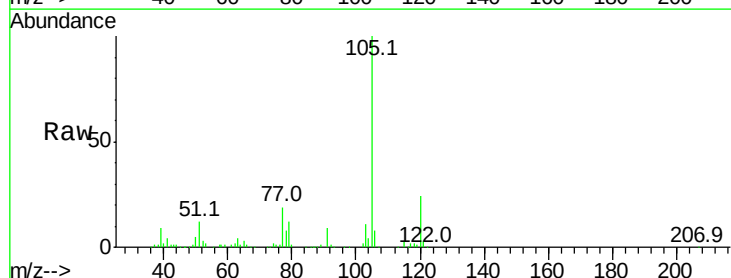
Tgt Ion:105 Resp: 81619

Ion Ratio Lower Upper

105 100

120 27.1 20.6 30.8

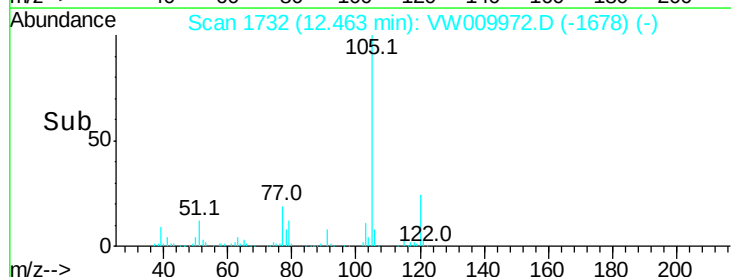
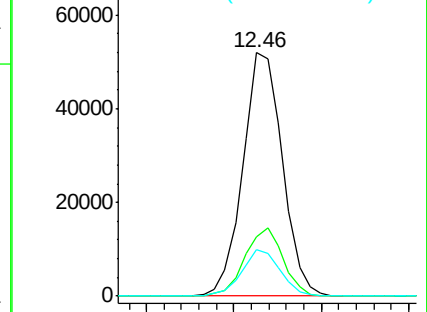
77 18.7 13.4 20.2

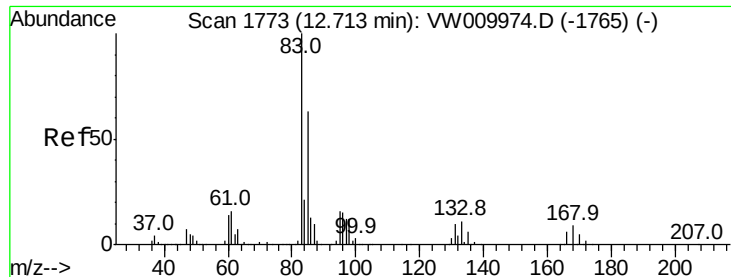


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.501 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009972.D

Acq: 15 Apr 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

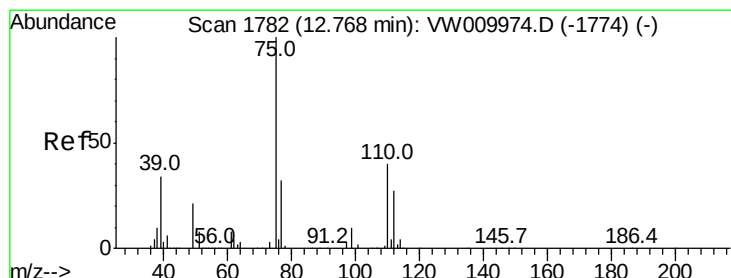
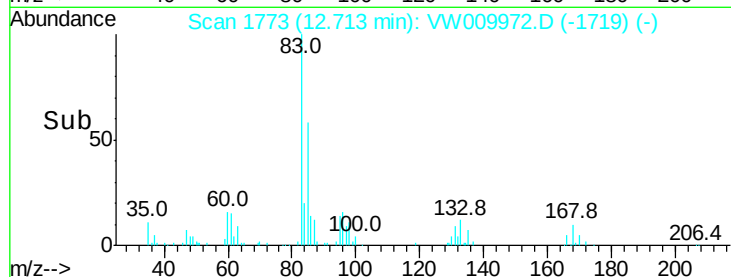
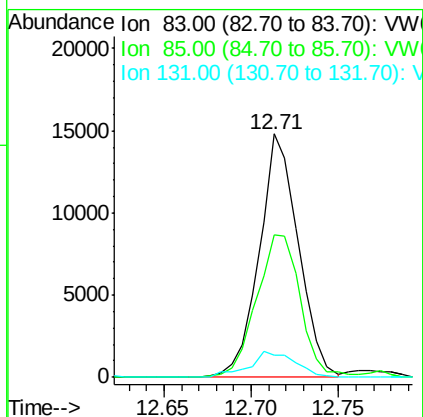
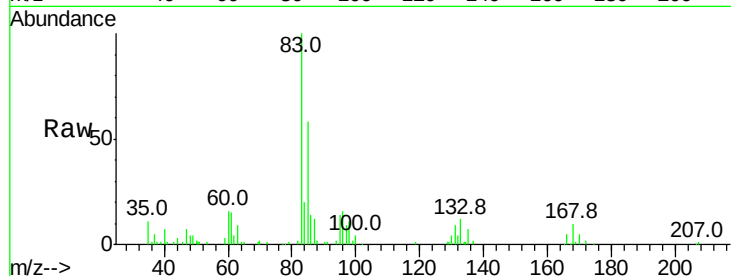
Tgt Ion: 83 Resp: 23101

Ion Ratio Lower Upper

83 100

85 58.5 44.1 81.9

131 9.0 8.3 12.5



#59

1,2,3-Trichloropropane

Concen: 2.447 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW009972.D

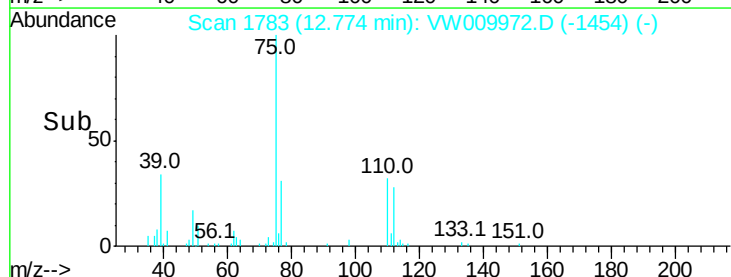
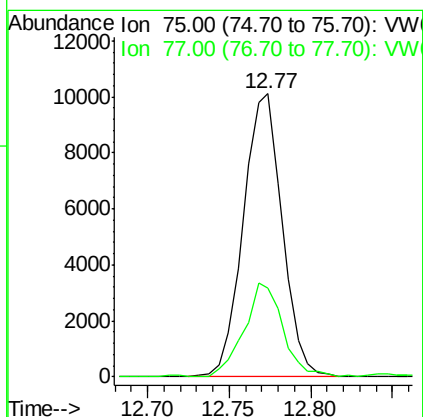
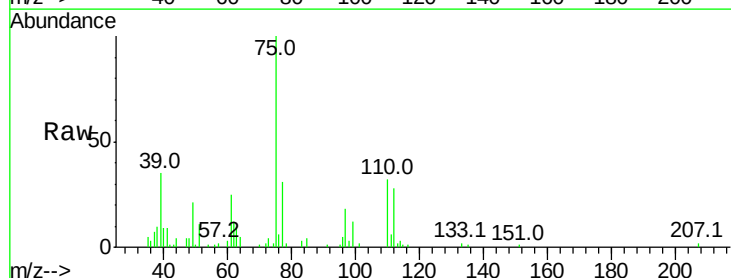
Acq: 15 Apr 2019 14:51

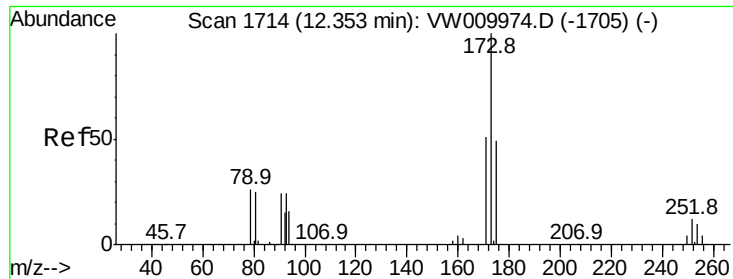
Tgt Ion: 75 Resp: 16829

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.6

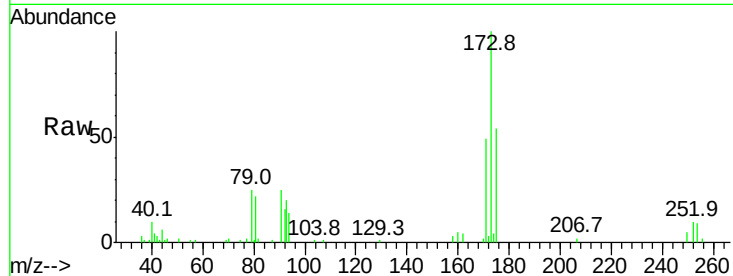




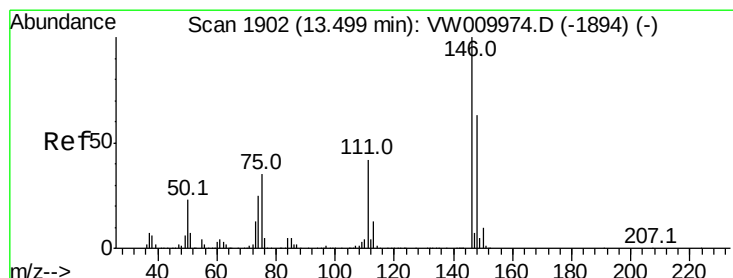
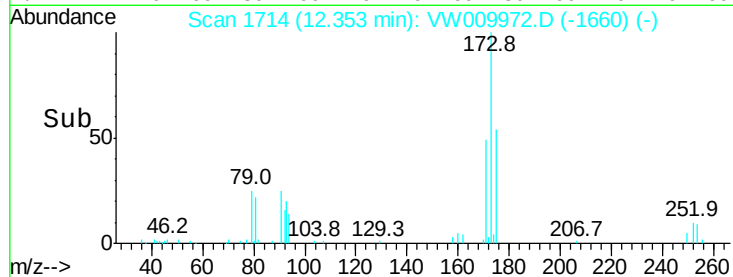
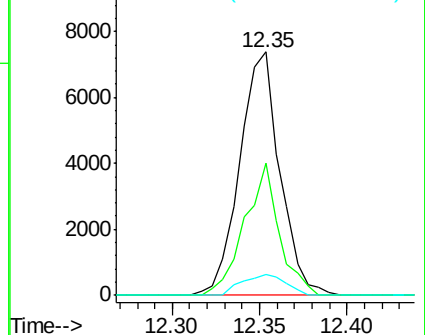
#62
Bromoform
Concen: 2.411 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW009972.D
Acq: 15 Apr 2019 14:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Tgt Ion:173 Resp: 11785
Ion Ratio Lower Upper
173 100
175 46.8 38.4 57.6
254 9.3 7.7 11.5

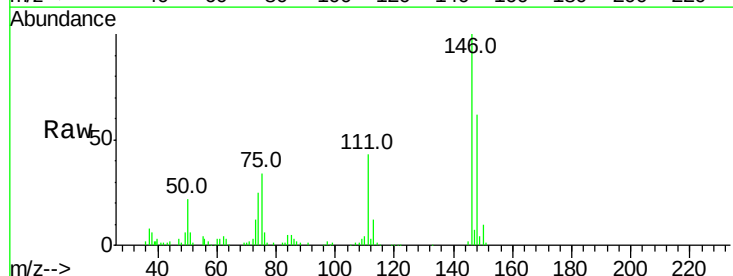


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

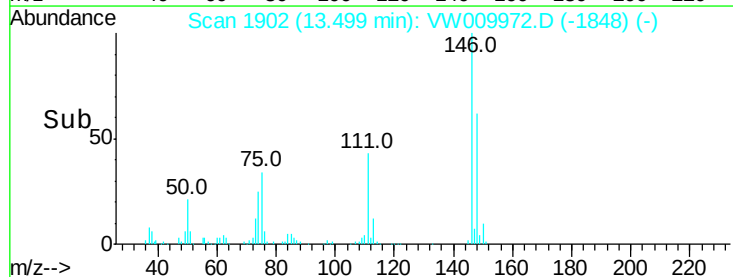
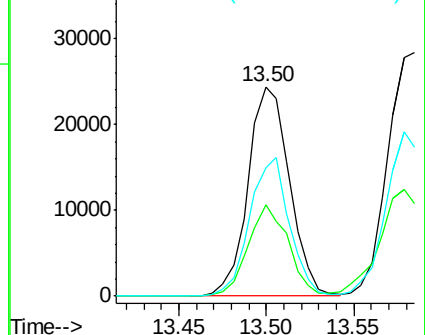


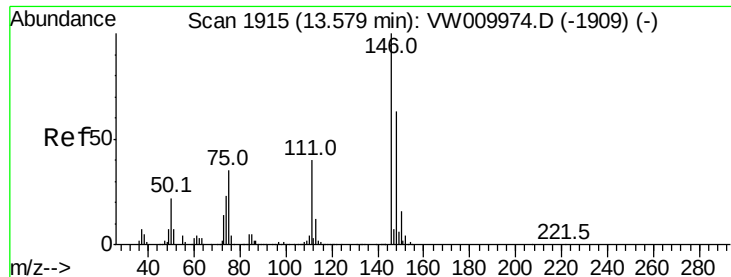
#63
1,3-Dichlorobenzene
Concen: 2.337 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW009972.D
Acq: 15 Apr 2019 14:51

Tgt Ion:146 Resp: 40186
Ion Ratio Lower Upper
146 100
111 43.5 29.3 54.3
148 61.6 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

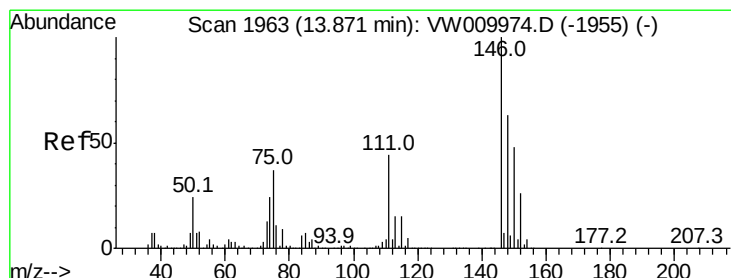
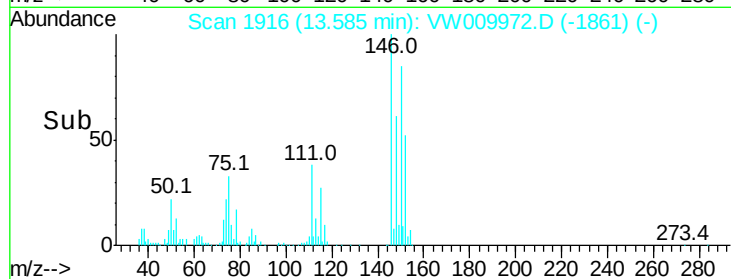
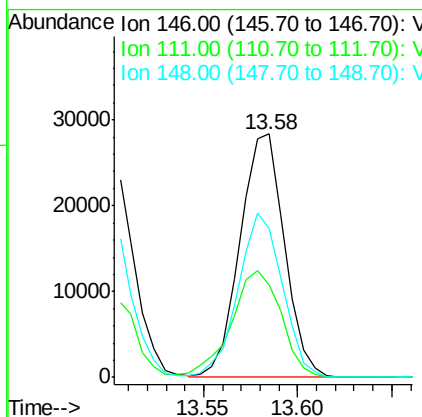
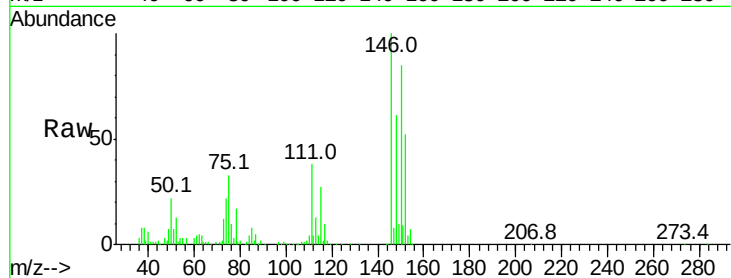




#64
 1,4-Dichlorobenzene
 Concen: 2.532 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

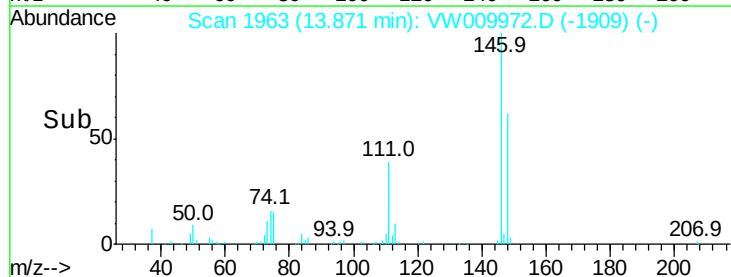
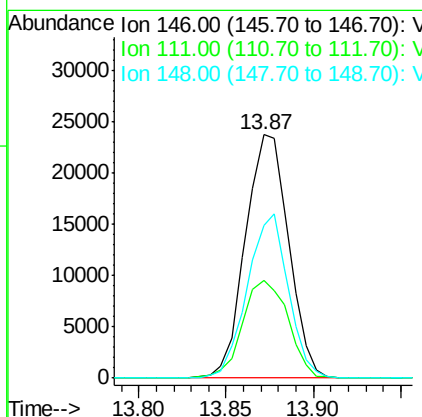
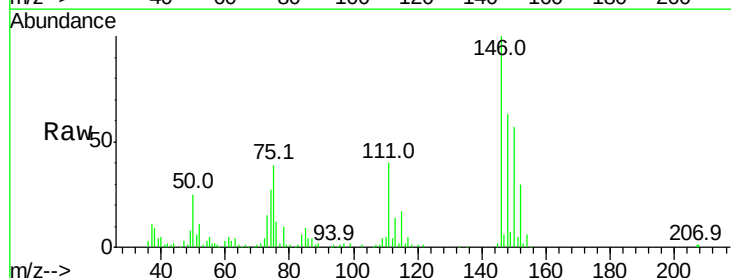
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

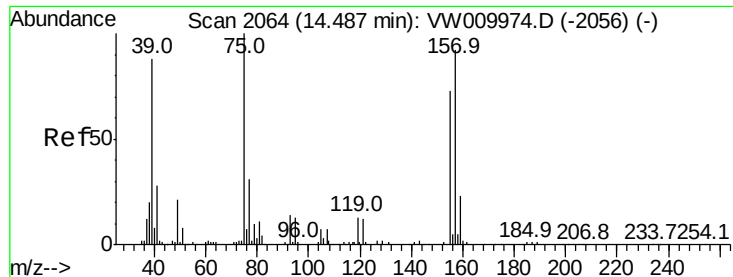
Tgt Ion:146 Resp: 46436
 Ion Ratio Lower Upper
 146 100
 111 38.1 28.0 52.0
 148 61.1 44.1 81.9



#65
 1,2-Dichlorobenzene
 Concen: 2.488 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion:146 Resp: 40932
 Ion Ratio Lower Upper
 146 100
 111 40.3 35.0 52.6
 148 62.9 50.4 75.6

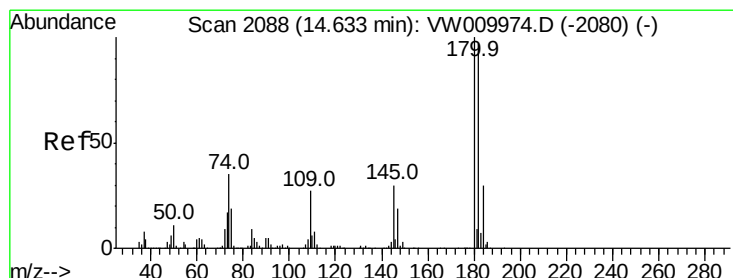
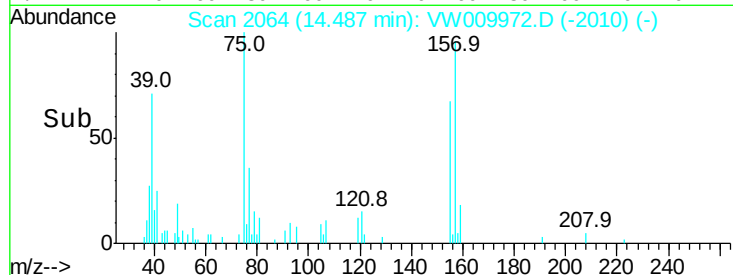
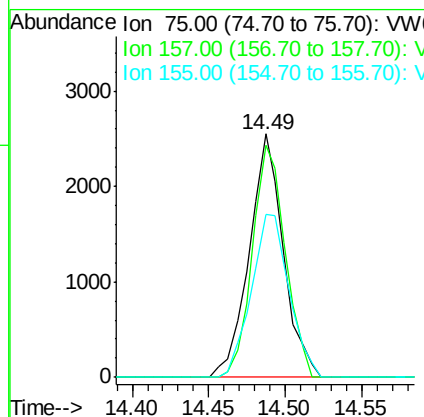
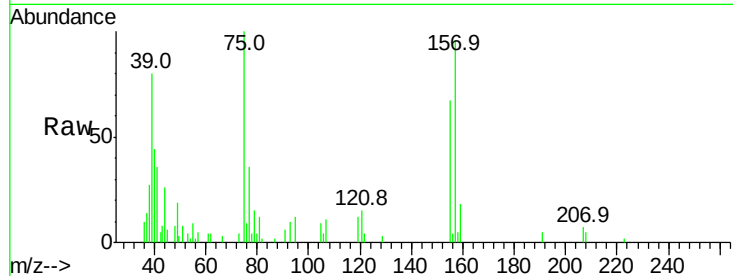




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.461 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

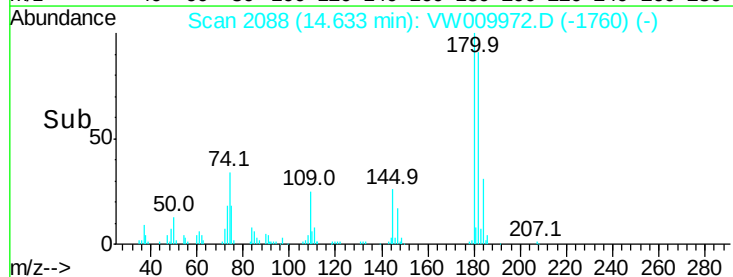
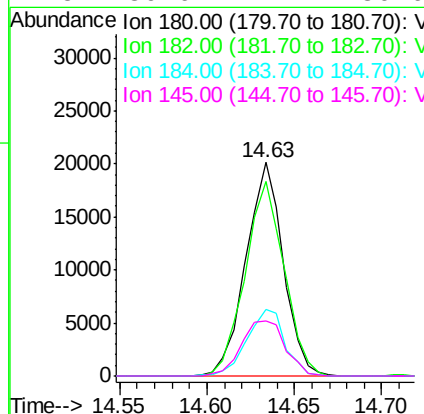
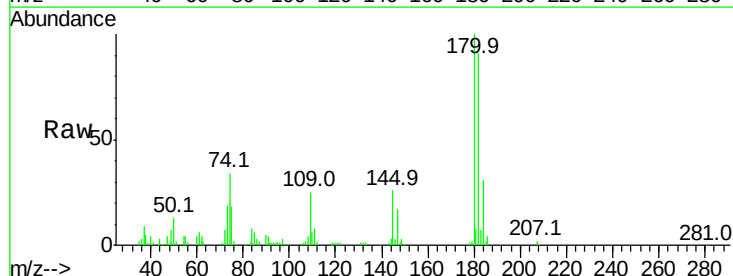
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

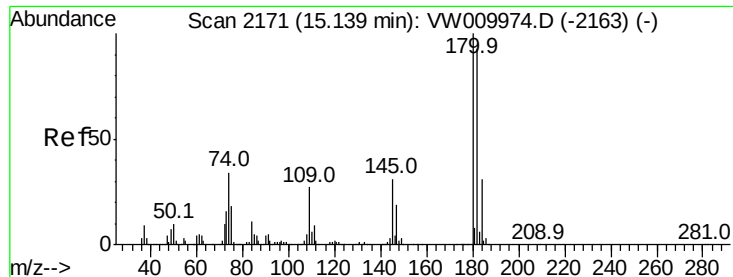
Tgt Ion: 75 Resp: 3941
 Ion Ratio Lower Upper
 75 100
 157 95.5 73.3 109.9
 155 66.8 58.6 88.0



#67
 1,3,5-Trichlorobenzene
 Concen: 2.339 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion: 180 Resp: 29836
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.8 115.2
 184 31.9 24.0 36.0
 145 30.6 24.4 36.6

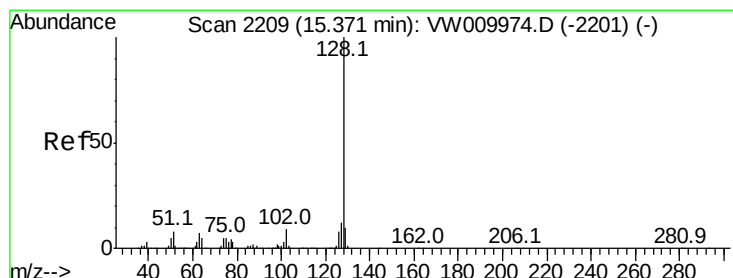
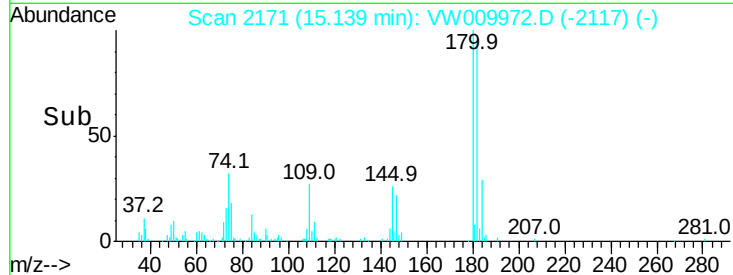
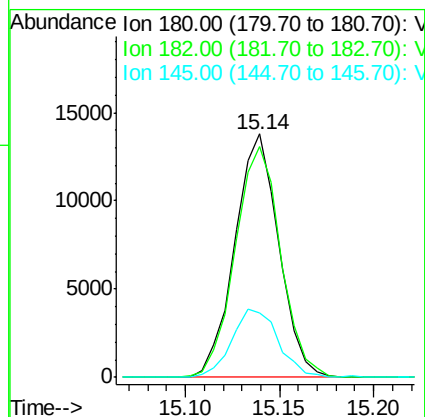
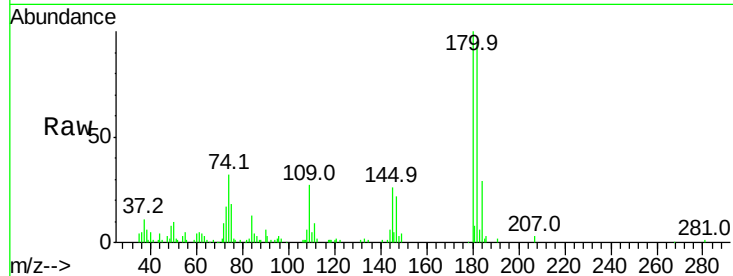




#68
 1,2,4-trichlorobenzene
 Concen: 2.183 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

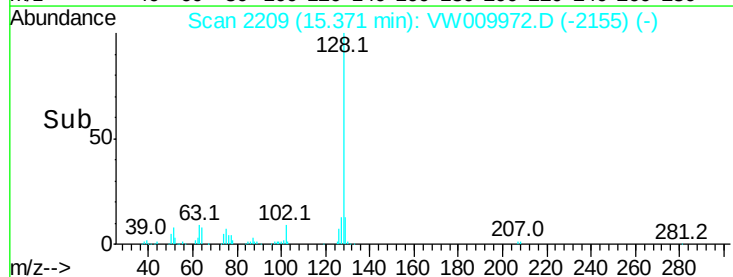
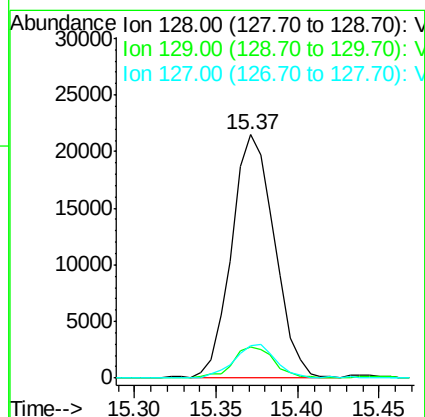
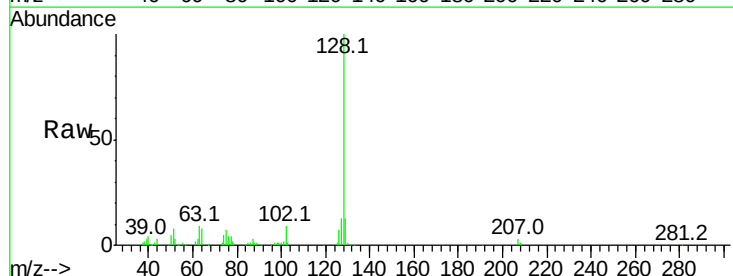
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

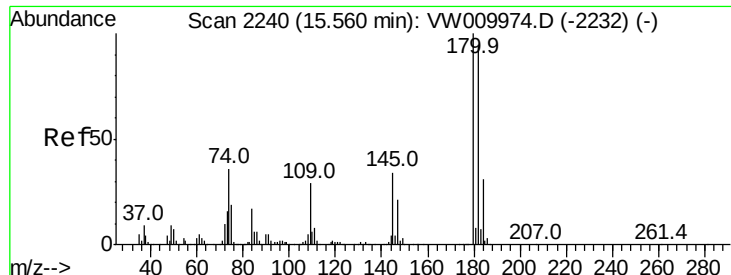
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22369		
182	97.9		75.4	113.0
145	29.4		25.0	37.4



#69
 Naphthalene
 Concen: 1.913 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	39385		
129	12.4		8.6	12.8
127	13.4		10.6	16.0

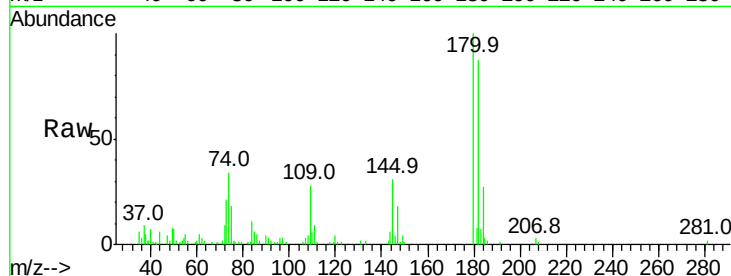




#70
 1,2,3-Trichlorobenzene
 Concen: 2.241 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW009972.D
 Acq: 15 Apr 2019 14:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion:180 Resp: 21480
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.0 114.0
 145 30.5 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

