

Data File : VW010106.D
Acq On : 24 Apr 2019 10:00
Operator : SY/VA
Sample : VSTD2.513
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

Quant Time: Apr 24 11:33:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 11:30:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	859995	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	785871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	370008	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	20609	2.54	ug/L	0.00
7) Chloroethane-d5	2.89	69	17261	2.10	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	62767	2.78	ug/L	0.00
20) 2-Butanone-d5	7.08	46	18061	4.11	ug/L	0.00
24) Chloroform-d	7.65	84	59243	2.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	35625	2.31	ug/L	0.00
29) Benzene-d6	8.27	84	113096	2.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	35712	2.60	ug/L	0.00
37) Toluene-d8	10.32	98	101758	2.58	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	15625	2.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	11281	3.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28904	2.25	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	35276	2.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	23166	1.920 ug/L	83
3) Chloromethane	2.21	50	22090	2.009 ug/L	97
5) Vinyl chloride	2.37	62	26192	2.532 ug/L	91
6) Bromomethane	2.78	94	15718	2.057 ug/L	98
8) Chloroethane	2.92	64	15375	2.070 ug/L	94
9) Trichlorofluoromethane	3.25	101	11652	1.368 ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	29303	2.642 ug/L	90
12) 1,1-Dichloroethene	4.04	96	28222	2.718 ug/L	84
13) Acetone	4.12	43	18330	4.689 ug/L	98
14) Carbon disulfide	4.38	76	78116	2.654 ug/L	98
15) Methyl Acetate	4.67	43	18316	2.321 ug/L	97
16) Methylene chloride	4.92	84	35249	2.264 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	36568	2.407 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	31088	2.646 ug/L	86
19) 1,1-Dichloroethane	6.21	63	58339	2.491 ug/L	96
21) 2-Butanone	7.18	43	22453	4.386 ug/L	93
22) cis-1,2-Dichloroethene	7.16	96	30738	2.410 ug/L	98
23) Bromochloromethane	7.51	128	13842	2.331 ug/L	99
25) Chloroform	7.68	83	55992	2.336 ug/L	95
27) 1,2-Dichloroethane	8.40	62	42396	2.298 ug/L	99
30) Cyclohexane	7.95	56	48335	2.721 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	43069	2.624 ug/L	99
32) Carbon tetrachloride	8.07	117	42804	2.656 ug/L	98
34) Benzene	8.32	78	122748	2.651 ug/L	100
35) Trichloroethene	9.09	95	32863	2.730 ug/L	99
36) Methylcyclohexane	9.34	83	50371	2.605 ug/L	97
40) 1,2-Dichloropropane	9.37	63	31085	2.539 ug/L	# 96
41) Bromodichloromethane	9.64	83	38845	2.324 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	44601	2.363 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	42979	4.262 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	126575	2.577	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	38035	2.282	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21652	2.268	ug/L	98
47) Tetrachloroethene	10.86	164	23763	2.527	ug/L	90
49) 2-Hexanone	10.97	43	29658	4.140	ug/L	98
50) Dibromochloromethane	11.13	129	25360	2.237	ug/L	100
51) 1,2-Dibromoethane	11.23	107	22529	2.410	ug/L	94
52) Chlorobenzene	11.66	112	83468	2.604	ug/L	95
53) Ethylbenzene	11.73	91	138605	2.525	ug/L	99
54) m,p-Xylene	11.84	106	50578	2.519	ug/L	93
55) o-xylene	12.16	106	46983	2.440	ug/L	94
56) Styrene	12.18	104	75688	2.245	ug/L	97
57) Isopropylbenzene	12.47	105	127874	2.493	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	28082	2.236	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	22067	2.347	ug/L	100
62) Bromoform	12.35	173	15148	2.331	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	59174	2.647	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	64419	2.682	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	55717	2.540	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	5429	2.446	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	44259	2.703	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	33698	2.512	ug/L	95
69) Naphthalene	15.37	128	108030	3.752	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	33326	2.604	ug/L	96

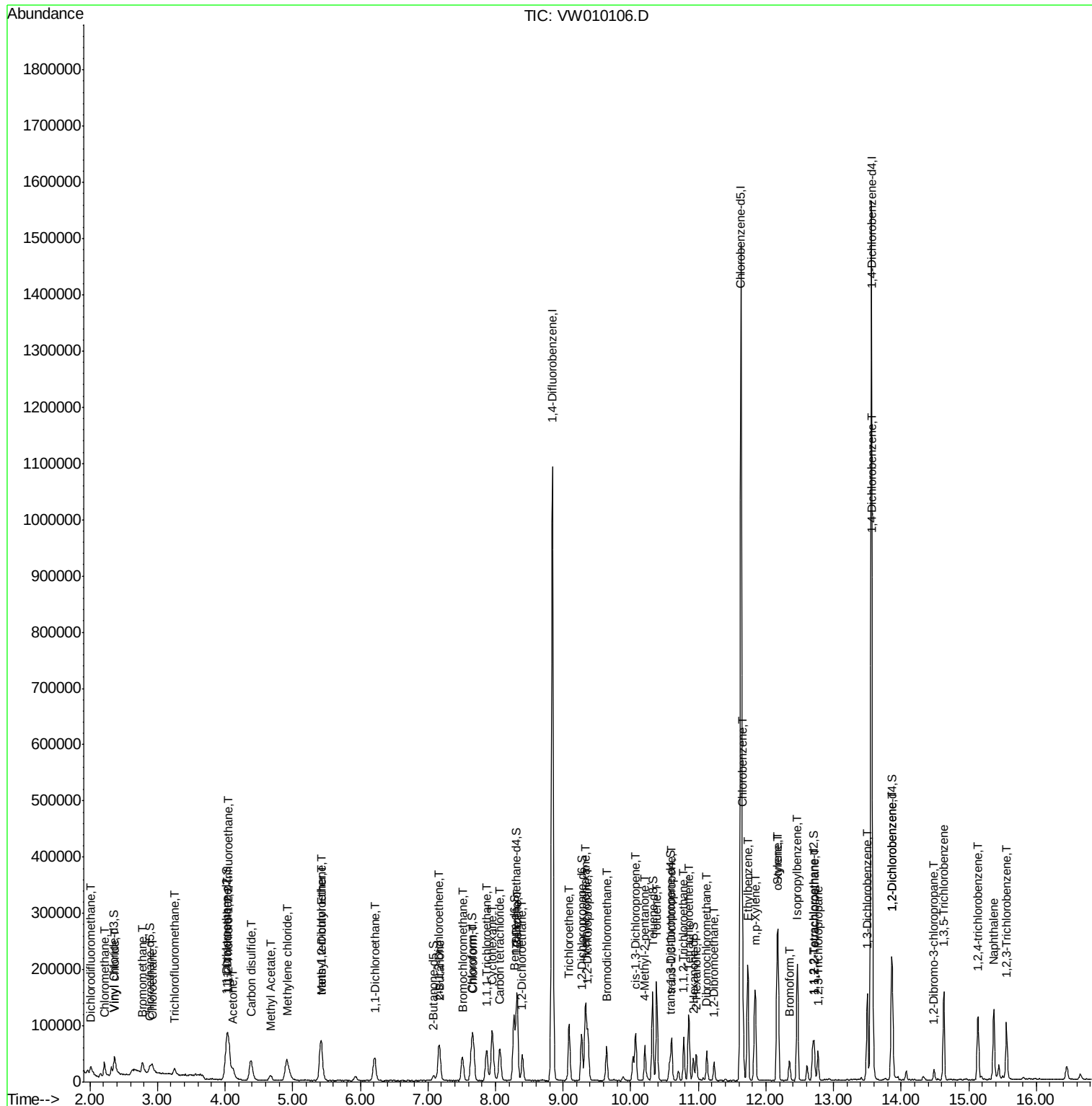
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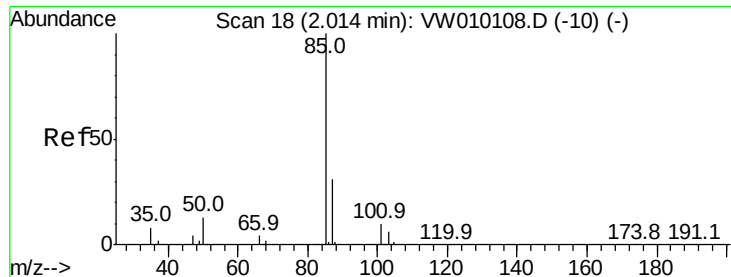
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#2

Dichlorodifluoromethane

Concen: 1.920 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

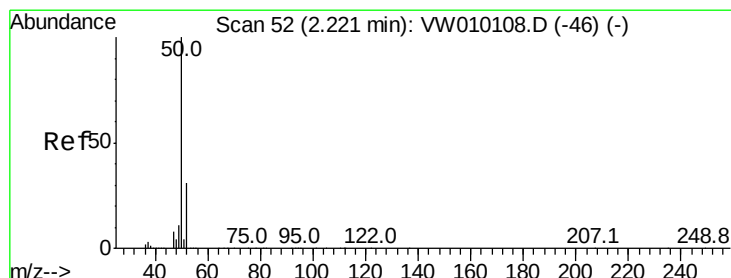
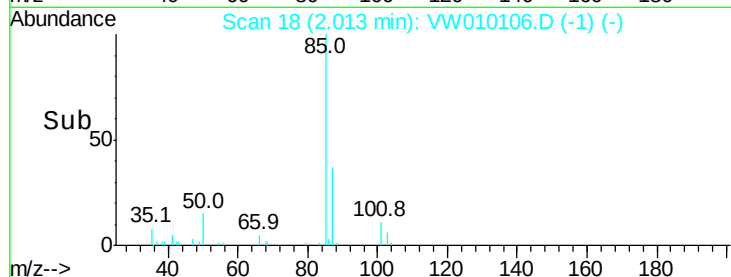
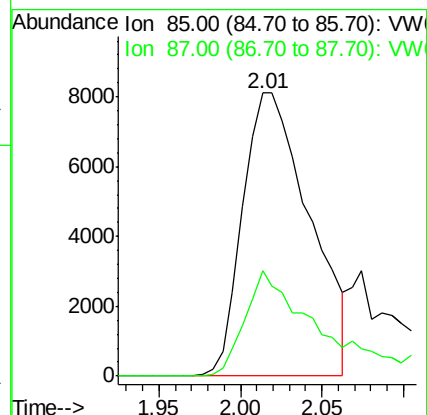
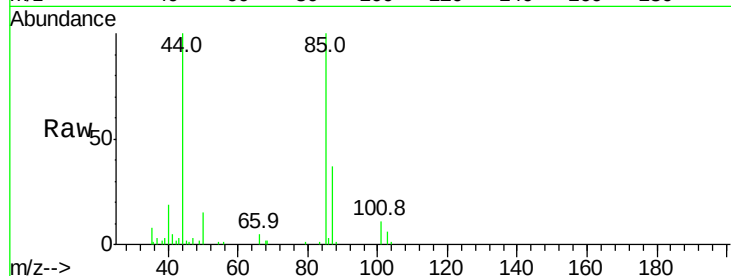
VSTD2.513

Tgt Ion: 85 Resp: 23166

Ion Ratio Lower Upper

85 100

87 23.0 22.7 42.1



#3

Chloromethane

Concen: 2.009 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010106.D

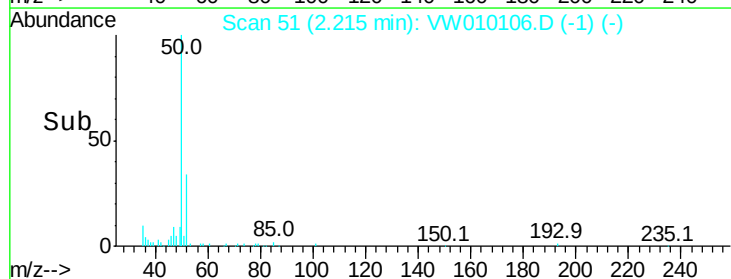
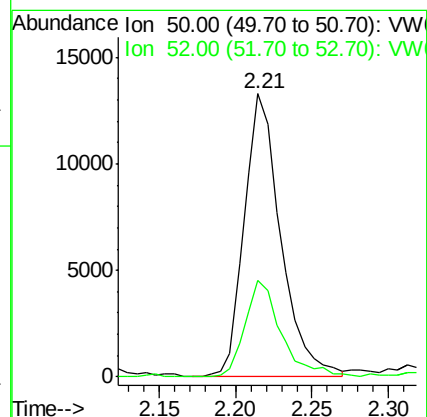
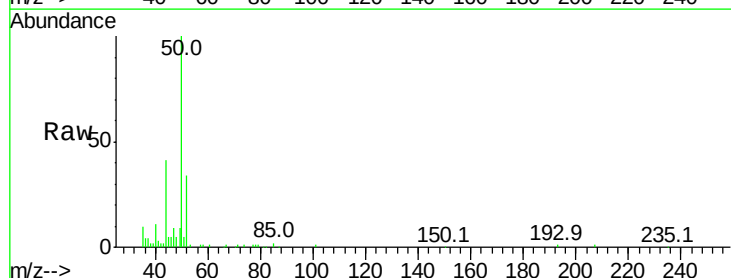
Acq: 24 Apr 2019 10:00

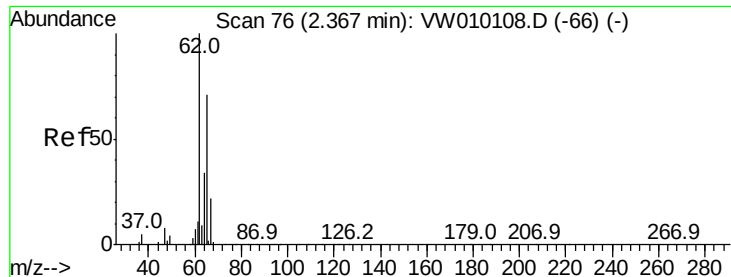
Tgt Ion: 50 Resp: 22090

Ion Ratio Lower Upper

50 100

52 34.0 22.7 42.1





#5

Vinyl chloride

Concen: 2.532 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

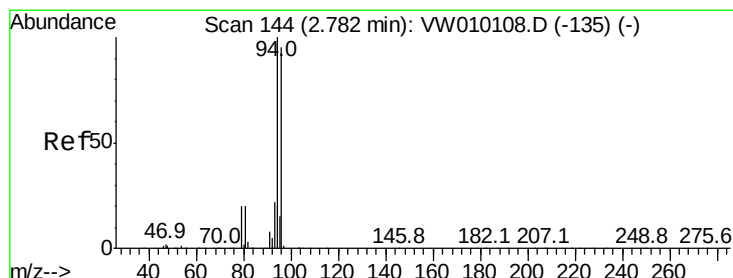
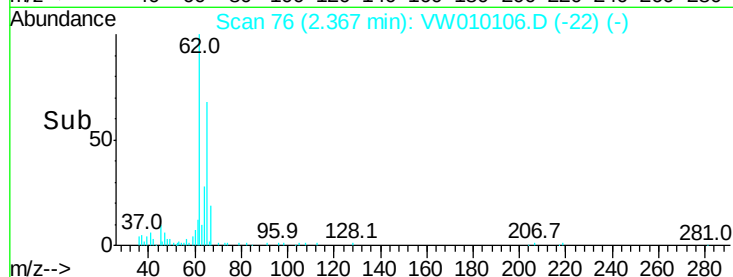
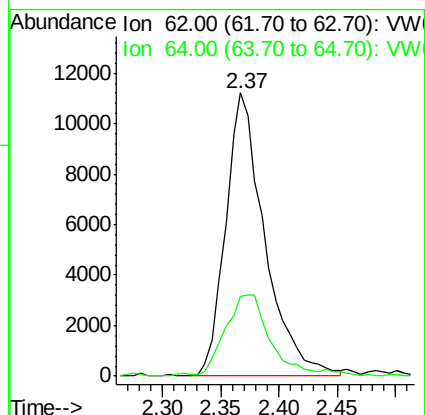
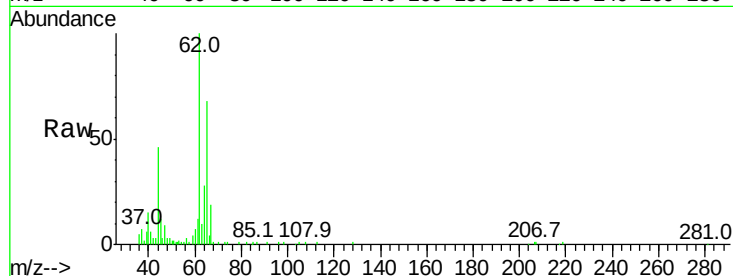
VSTD2.513

Tgt Ion: 62 Resp: 26192

Ion Ratio Lower Upper

62 100

64 28.0 23.3 43.3



#6

Bromomethane

Concen: 2.057 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW010106.D

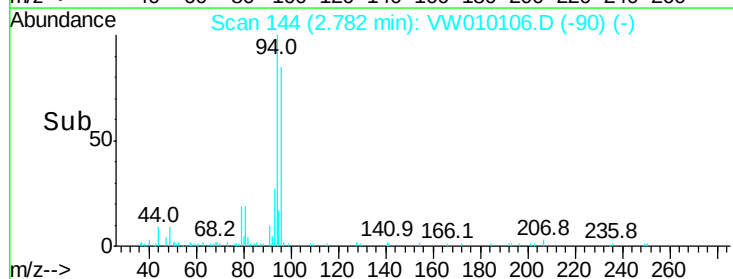
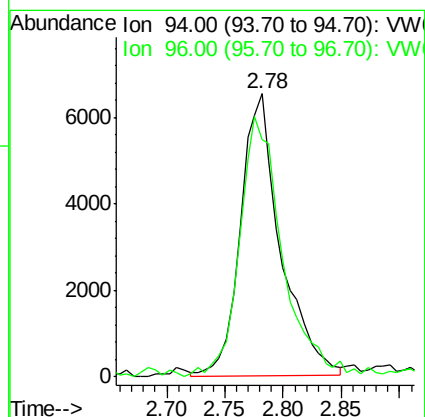
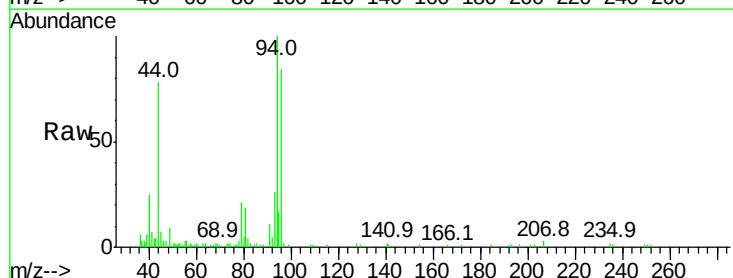
Acq: 24 Apr 2019 10:00

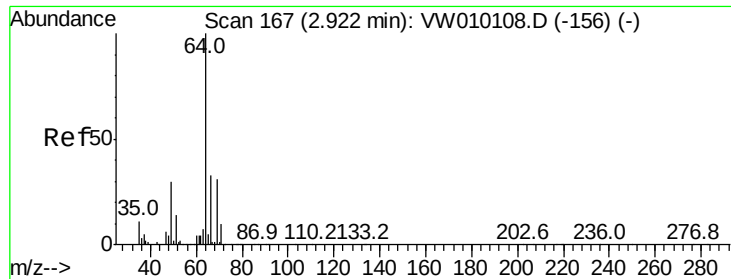
Tgt Ion: 94 Resp: 15718

Ion Ratio Lower Upper

94 100

96 96.5 9.5 180.3

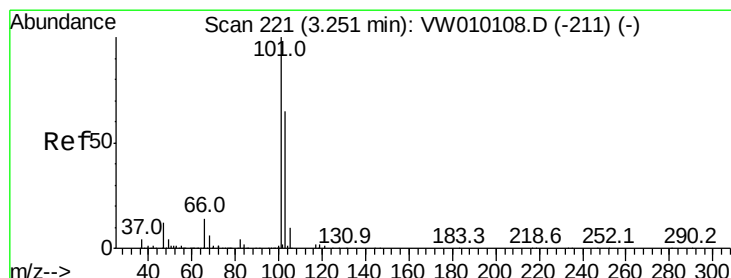
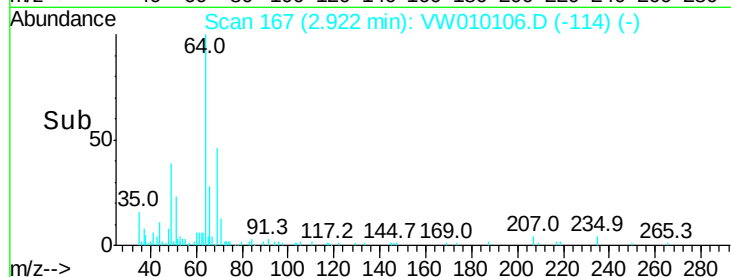
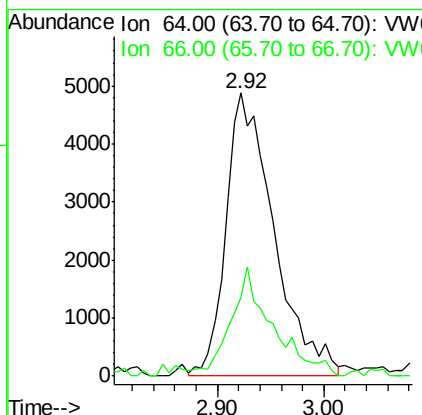
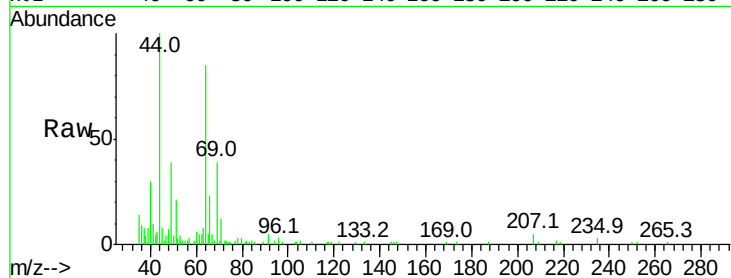




#8
Chloroethane
Concen: 2.070 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

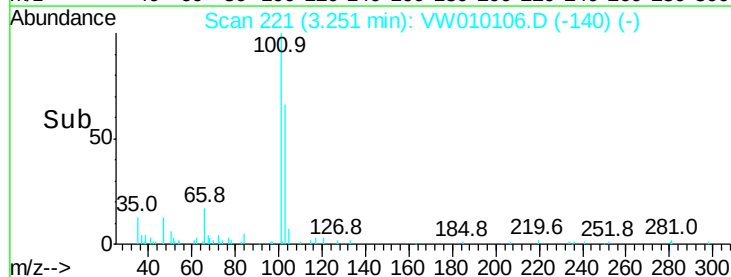
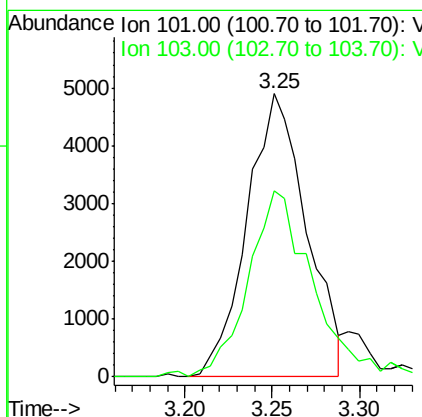
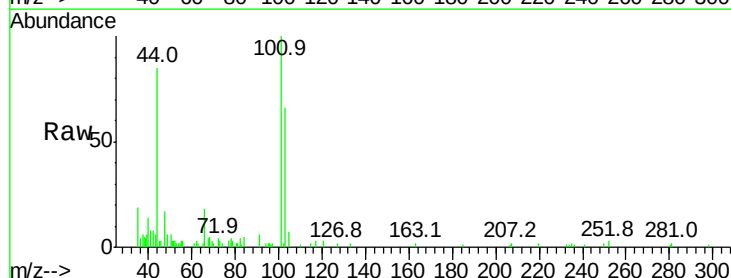
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

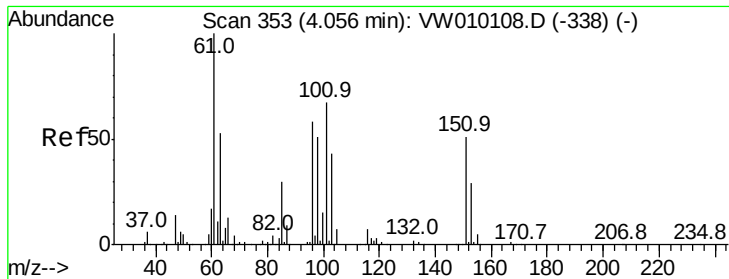
Tgt Ion: 64 Resp: 15375
Ion Ratio Lower Upper
64 100
66 27.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 1.368 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

Tgt Ion: 101 Resp: 11652
Ion Ratio Lower Upper
101 100
103 69.4 44.5 82.7





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.642 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

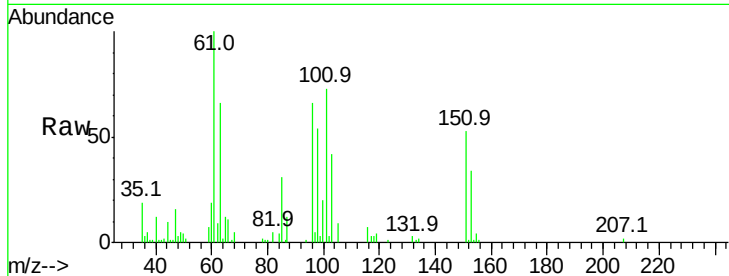
Tgt Ion: 101 Resp: 29303

Ion Ratio Lower Upper

101 100

85 37.6 37.0 55.4

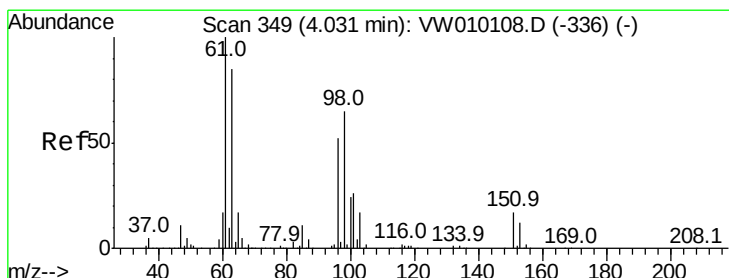
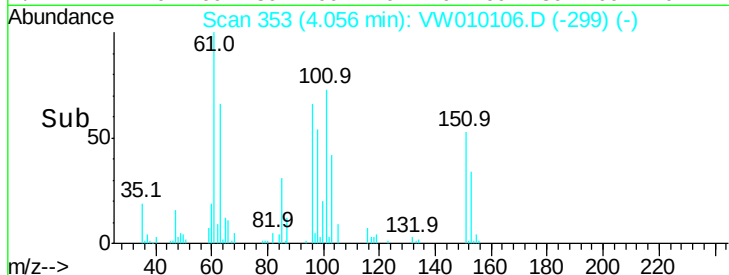
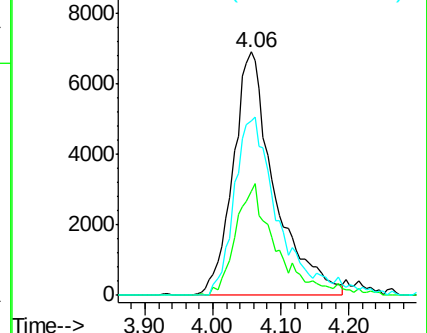
151 65.4 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.718 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

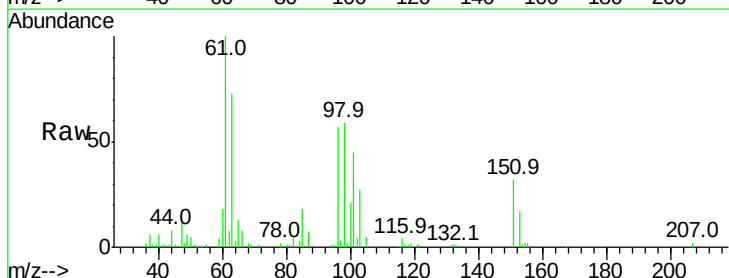
Tgt Ion: 96 Resp: 28222

Ion Ratio Lower Upper

96 100

61 176.1 131.2 243.6

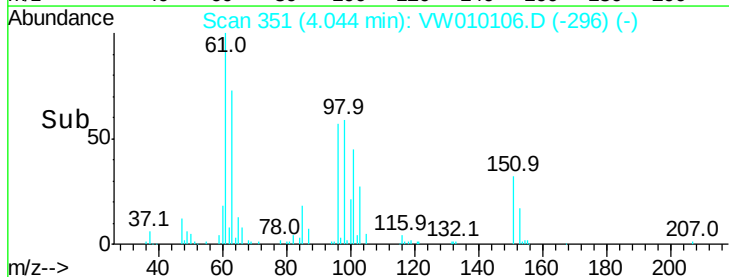
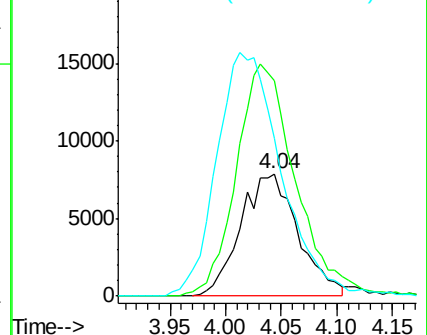
63 129.2 113.9 211.5

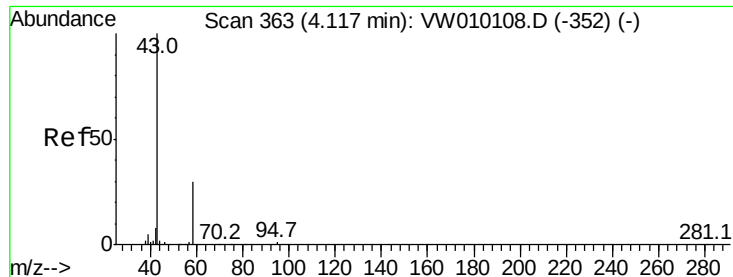


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.689 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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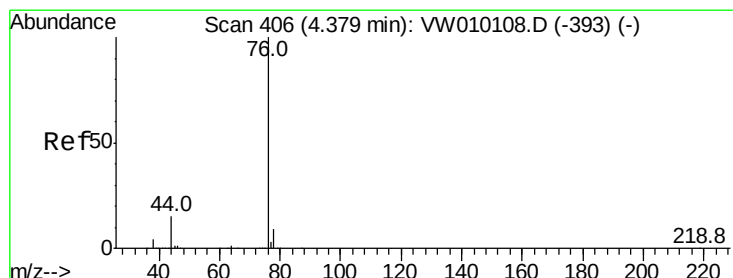
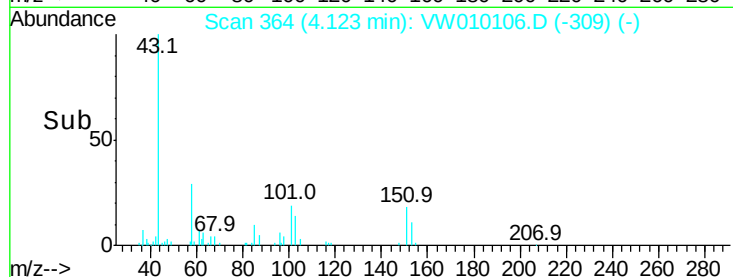
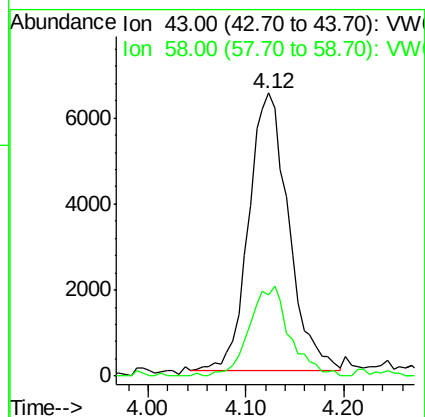
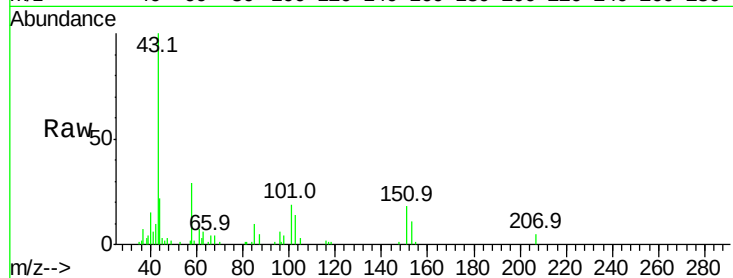
VSTD2.513

Tgt Ion: 43 Resp: 18330

Ion Ratio Lower Upper

43 100

58 29.4 0.0 56.2



#14

Carbon disulfide

Concen: 2.654 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW010106.D

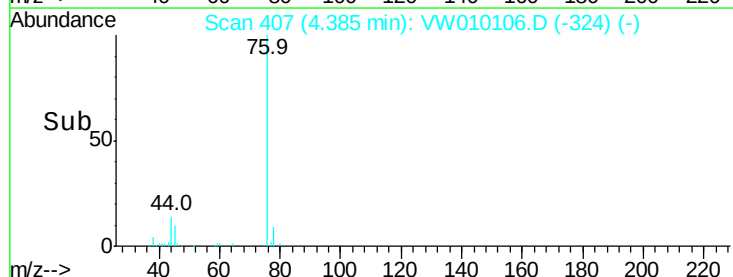
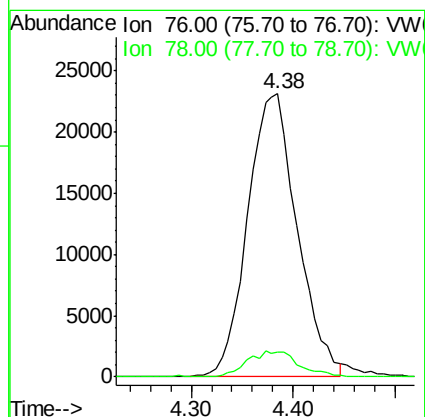
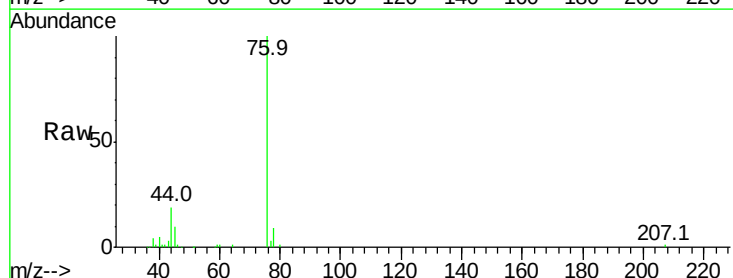
Acq: 24 Apr 2019 10:00

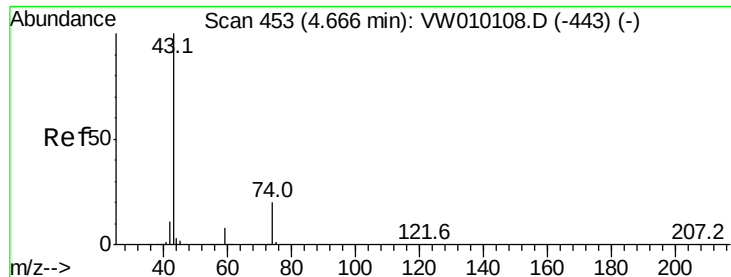
Tgt Ion: 76 Resp: 78116

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

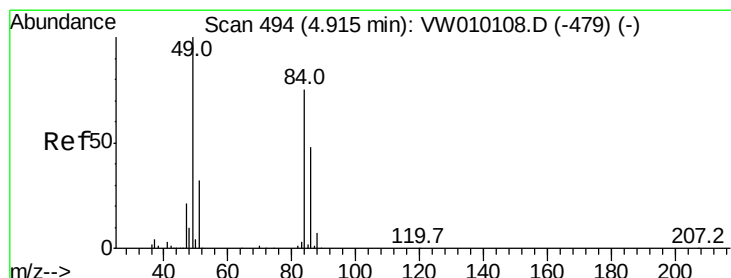
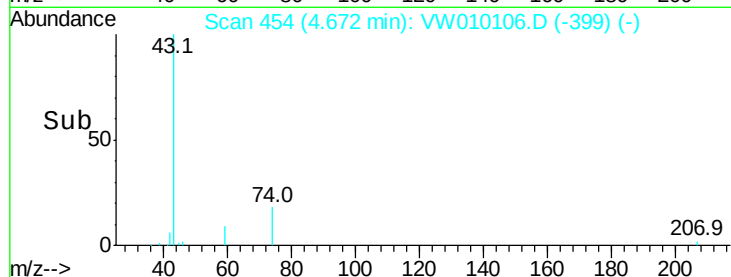
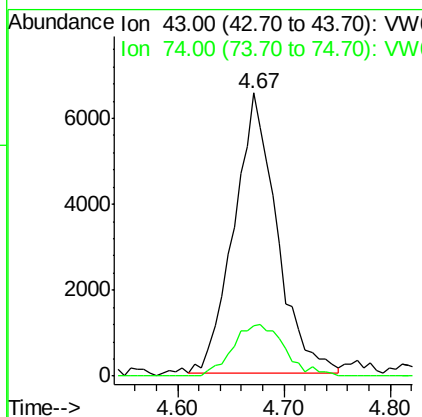
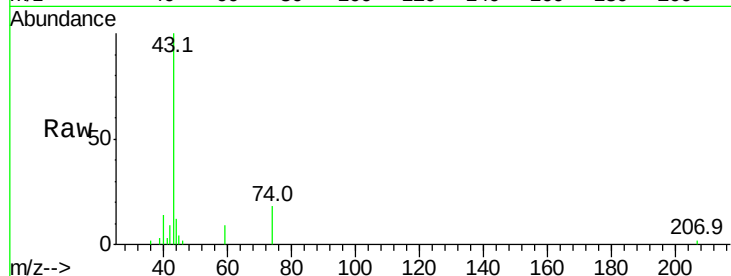




#15
Methyl Acetate
Concen: 2.321 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

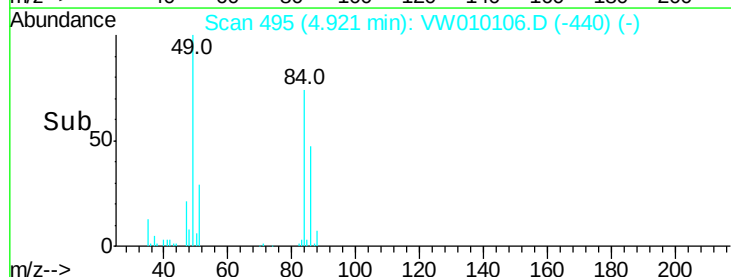
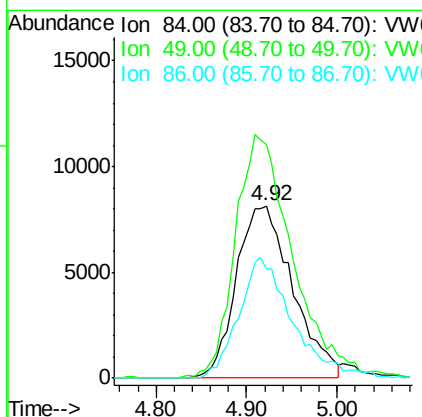
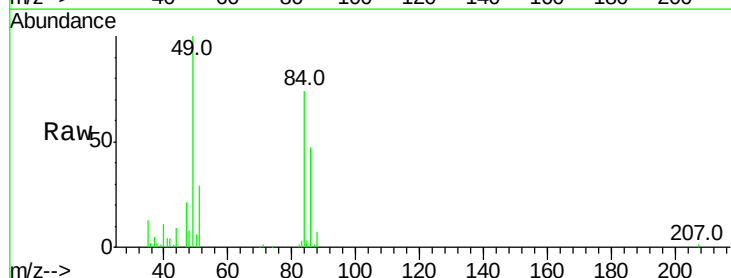
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

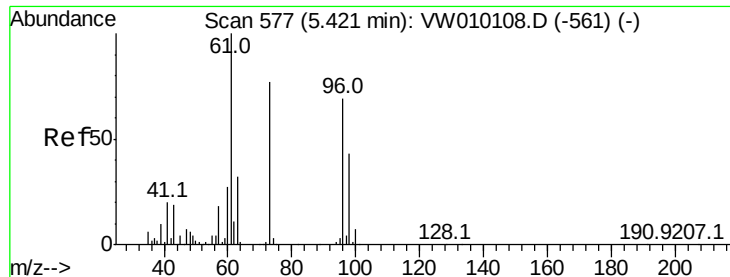
Tgt Ion: 43 Resp: 18316
Ion Ratio Lower Upper
43 100
74 21.5 16.2 24.4



#16
Methylene chloride
Concen: 2.264 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

Tgt Ion: 84 Resp: 35249
Ion Ratio Lower Upper
84 100
49 135.6 100.7 187.1
86 63.6 43.8 81.3

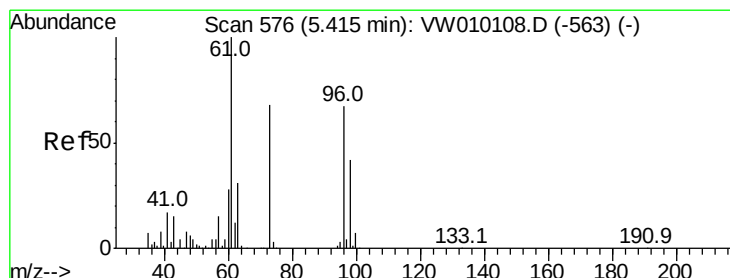
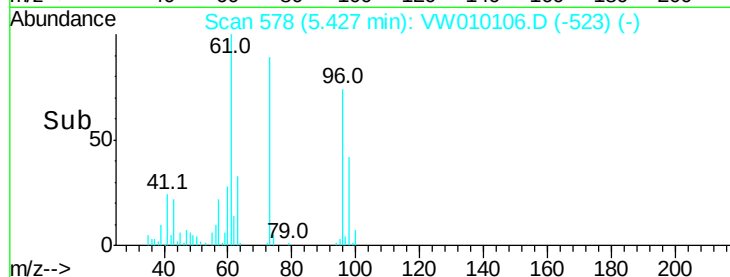
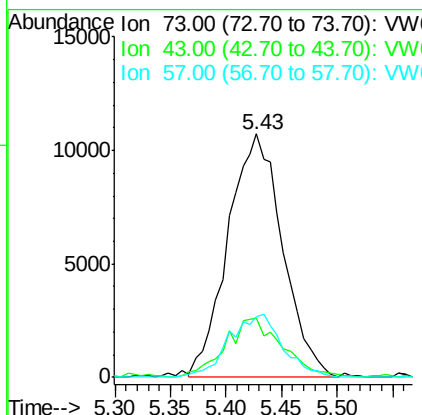
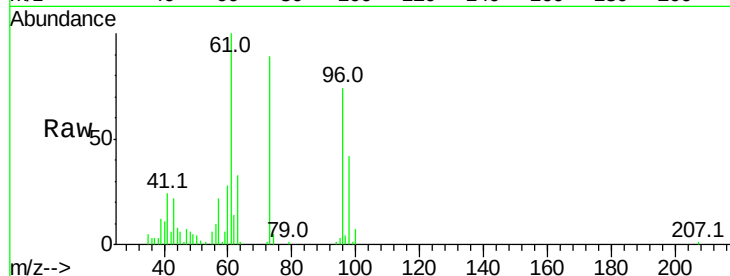




#17
Methyl tert-butyl Ether
Concen: 2.407 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

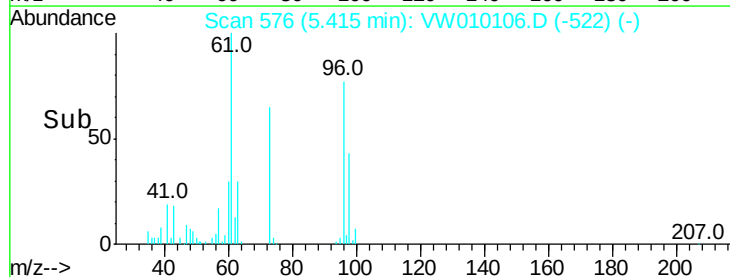
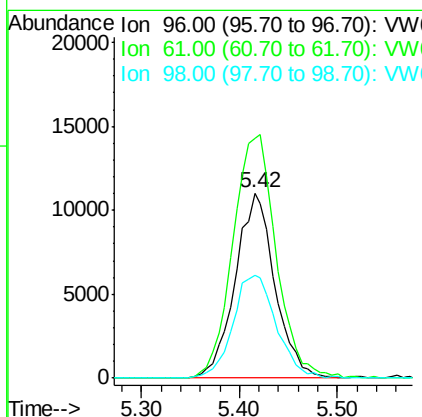
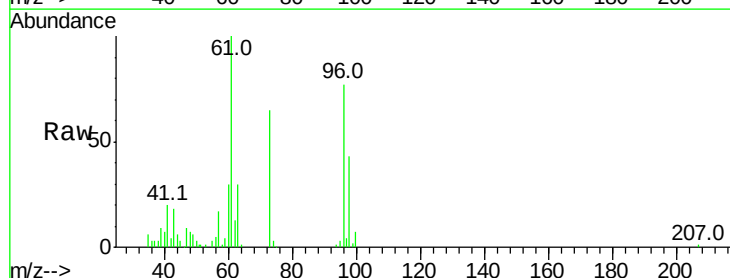
Instrument :
MSVOA_W
ClientSampled :
VSTD2.513

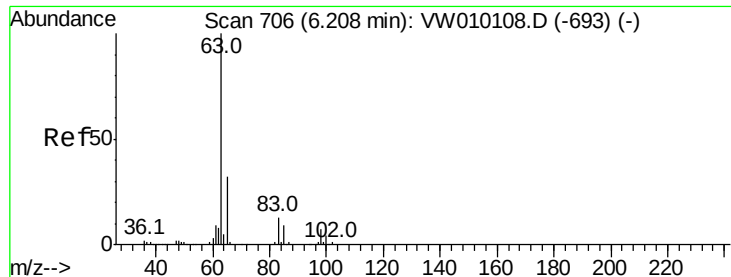
Tgt Ion: 73 Resp: 36568
Ion Ratio Lower Upper
73 100
43 25.6 19.4 29.0
57 25.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 2.646 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

Tgt Ion: 96 Resp: 31088
Ion Ratio Lower Upper
96 100
61 129.5 104.9 194.9
98 55.2 44.1 81.9

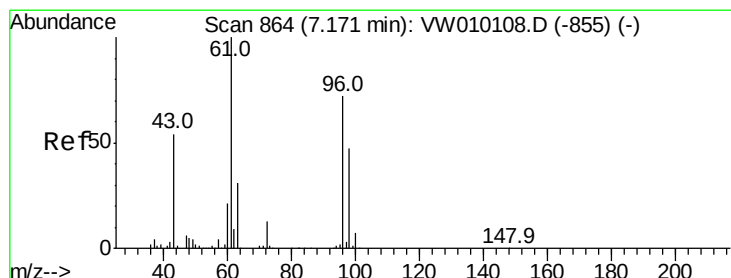
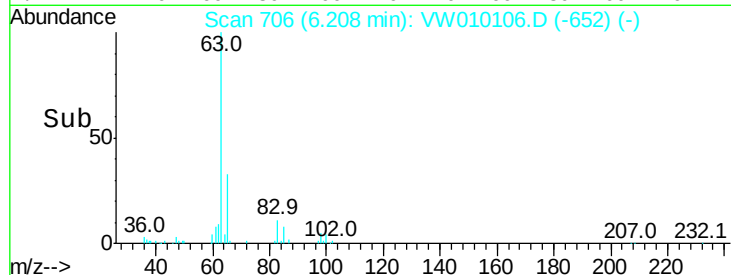
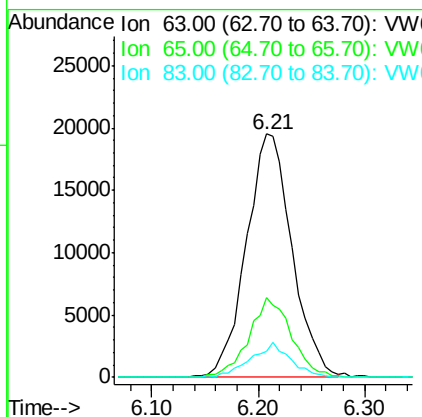
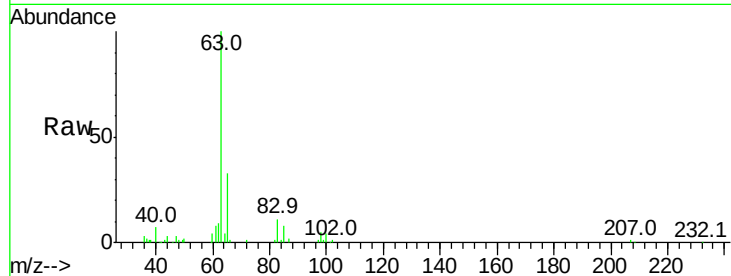




#19
 1,1-Dichloroethane
 Concen: 2.491 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

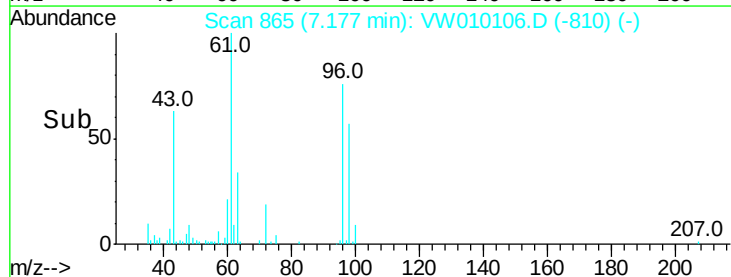
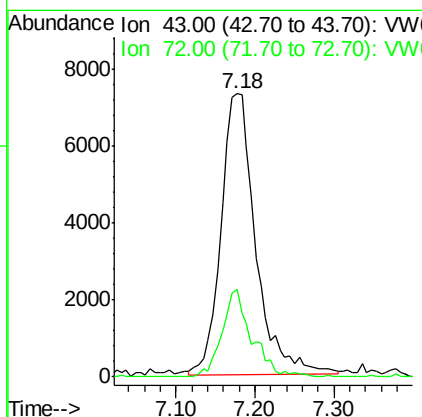
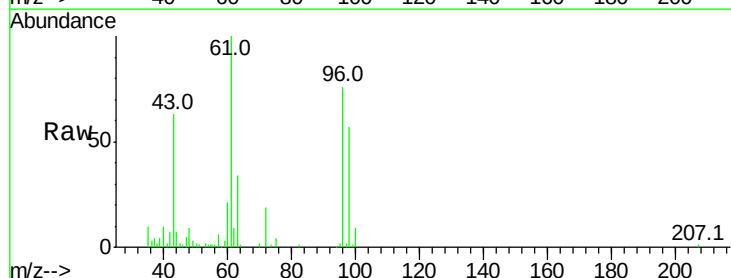
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

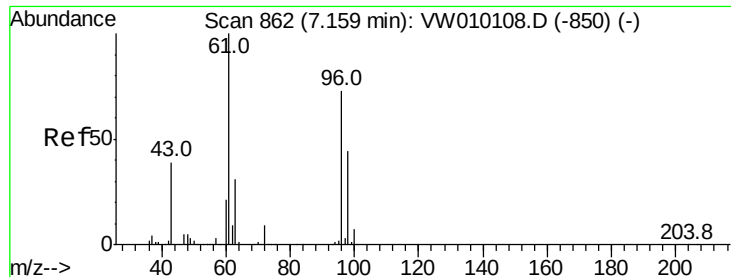
Tgt Ion: 63 Resp: 58339
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.6 40.0
 83 10.7 9.0 16.6



#21
 2-Butanone
 Concen: 4.386 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Tgt Ion: 43 Resp: 22453
 Ion Ratio Lower Upper
 43 100
 72 20.4 11.9 35.7





#22

cis-1,2-Dichloroethene

Concen: 2.410 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

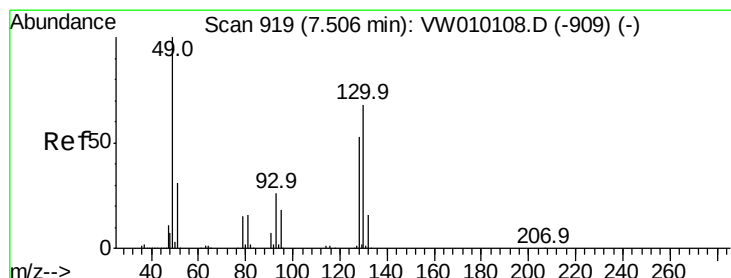
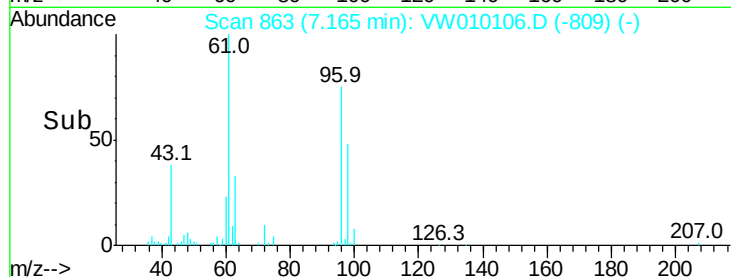
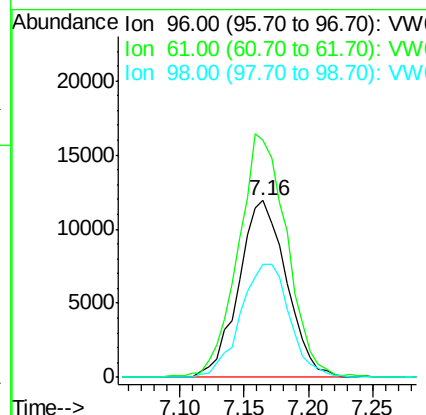
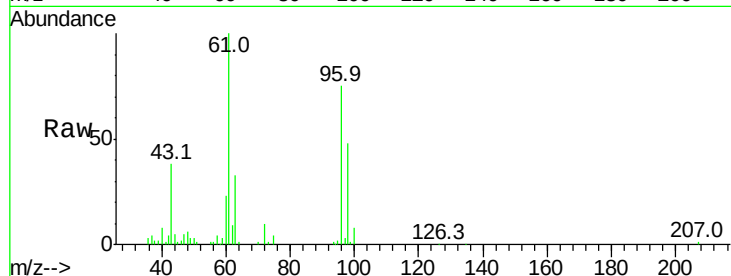
Tgt Ion: 96 Resp: 30738

Ion Ratio Lower Upper

96 100

61 133.8 94.7 175.9

98 63.9 42.8 79.6



#23

Bromochloromethane

Concen: 2.331 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Tgt Ion: 128 Resp: 13842

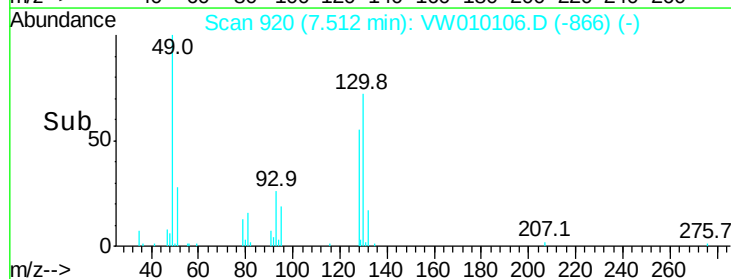
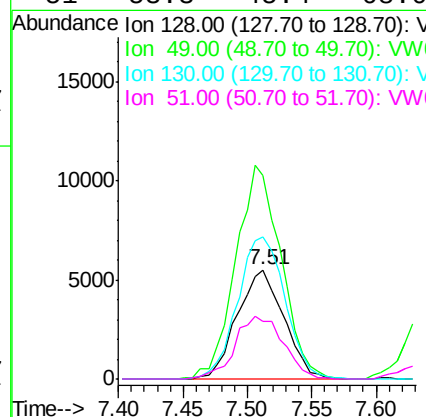
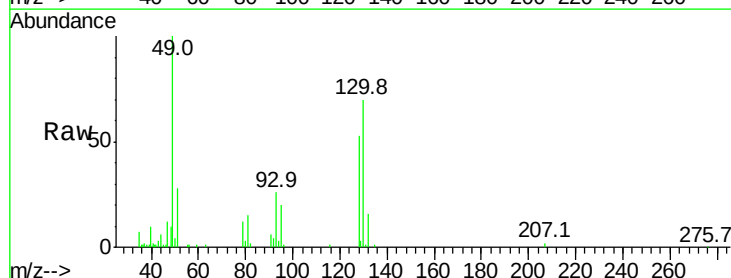
Ion Ratio Lower Upper

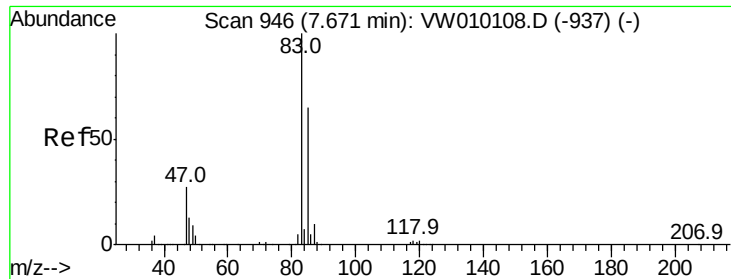
128 100

49 187.2 132.2 245.4

130 130.5 91.5 169.9

51 53.3 45.4 68.0

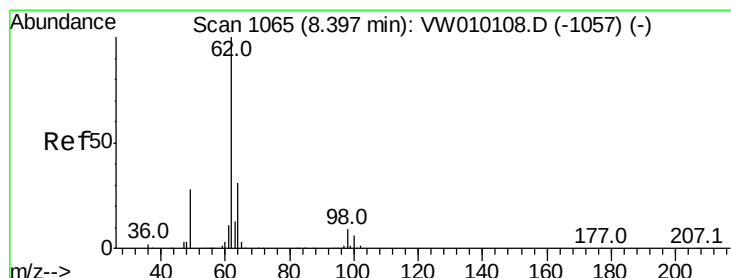
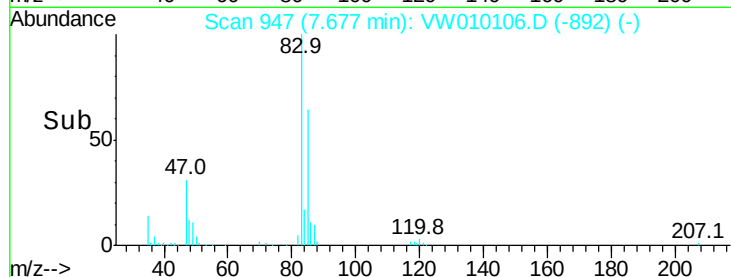
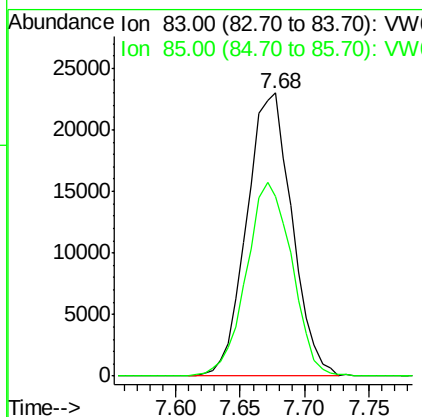
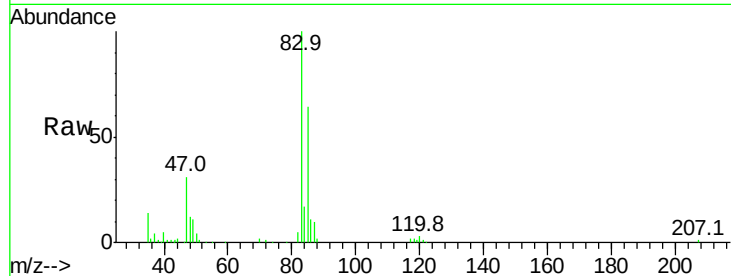




#25
Chloroform
Concen: 2.336 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

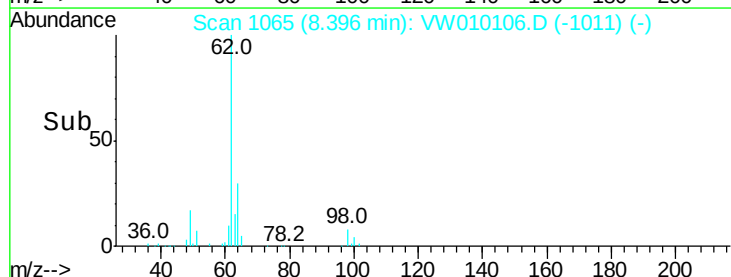
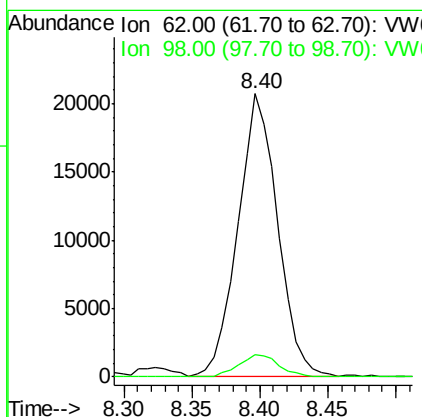
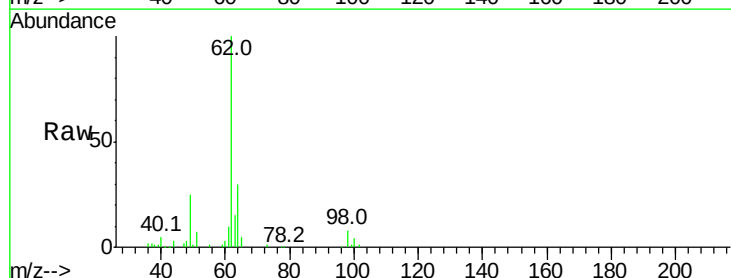
Instrument :
MSVOA_W
ClientSampled :
VSTD2.513

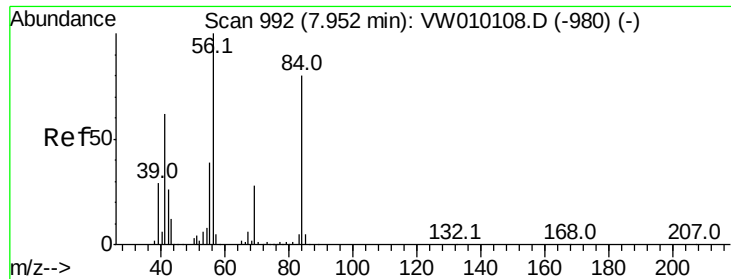
Tgt Ion: 83 Resp: 55992
Ion Ratio Lower Upper
83 100
85 69.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 2.298 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

Tgt Ion: 62 Resp: 42396
Ion Ratio Lower Upper
62 100
98 8.1 6.6 10.0

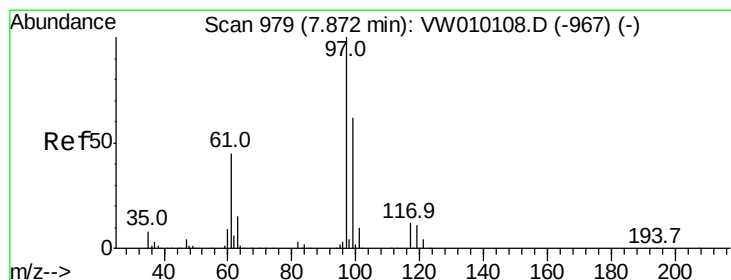
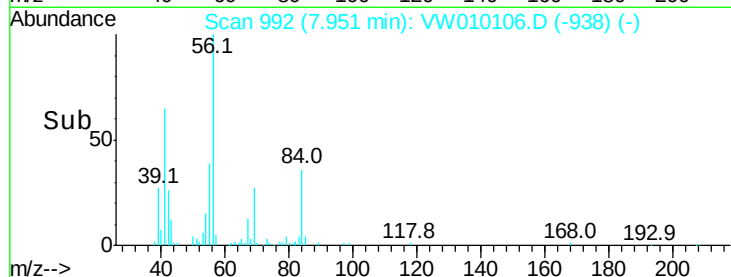
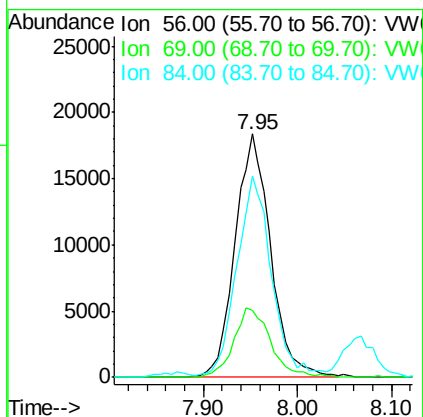
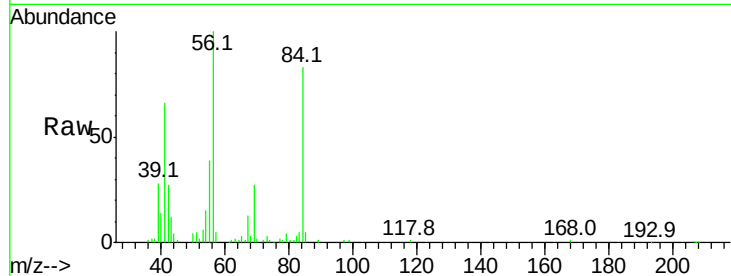




#30
Cyclohexane
Concen: 2.721 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

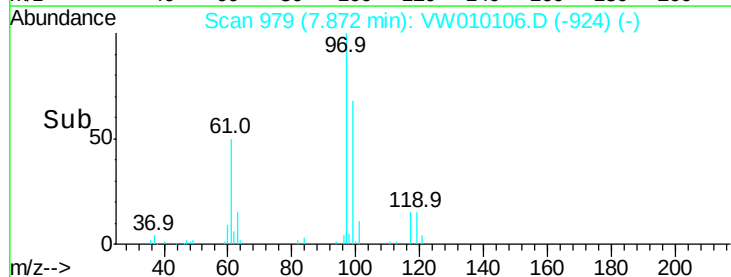
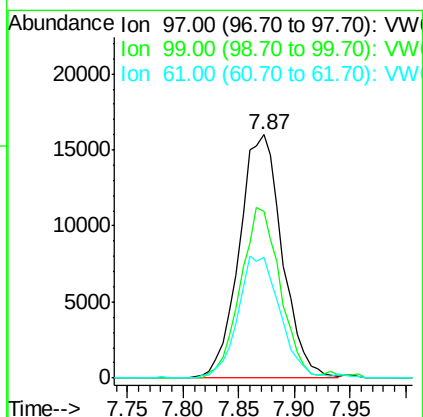
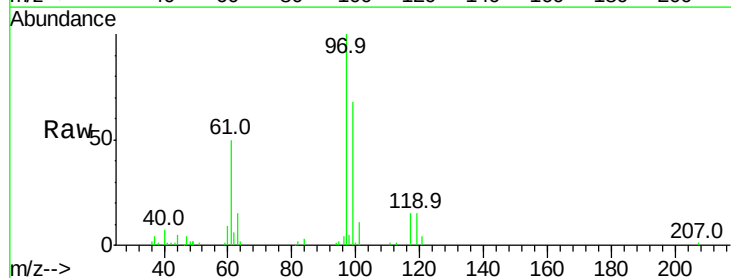
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

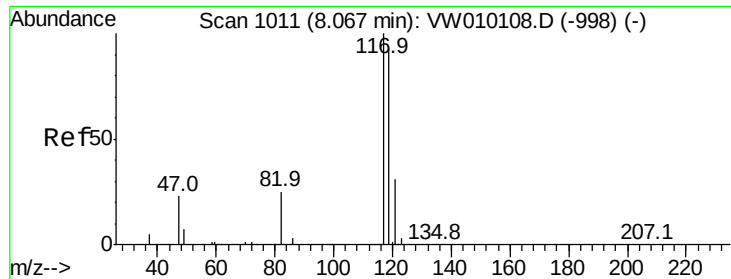
Tgt Ion: 56 Resp: 48335
Ion Ratio Lower Upper
56 100
69 29.3 23.4 35.0
84 80.9 65.5 98.3



#31
1,1,1-Trichloroethane
Concen: 2.624 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

Tgt Ion: 97 Resp: 43069
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 49.0 39.3 58.9





#32

Carbon tetrachloride

Concen: 2.656 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

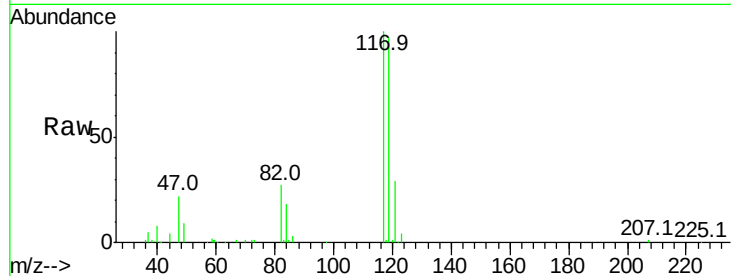
VSTD2.513

Tgt Ion:117 Resp: 42804

Ion Ratio Lower Upper

117 100

119 97.8 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

20000

15000

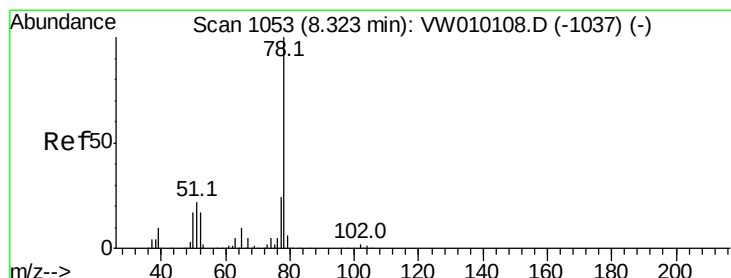
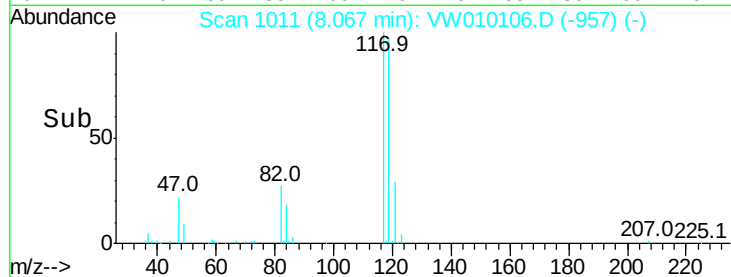
10000

5000

0

8.07

Time-->



#34

Benzene

Concen: 2.651 ug/L

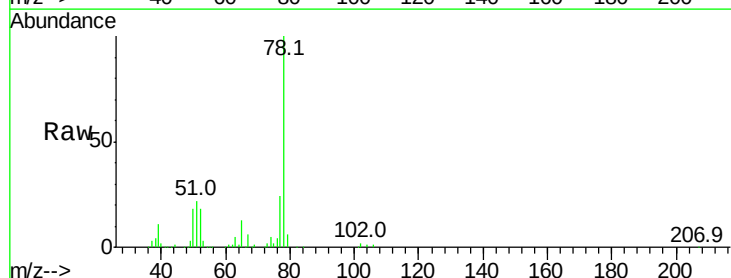
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Tgt Ion: 78 Resp: 122748



Abundance Ion 78.00 (77.70 to 78.70): VW

60000

50000

40000

30000

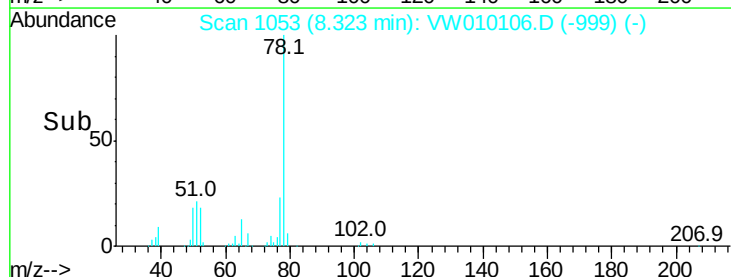
20000

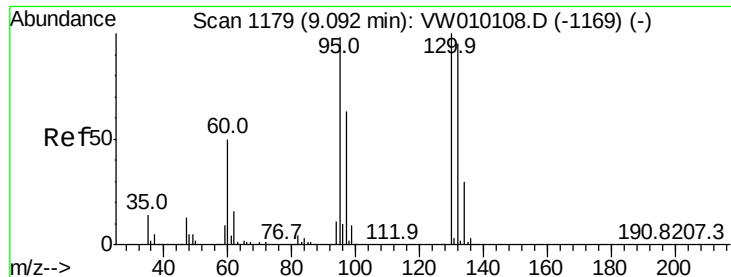
10000

0

8.32

Time-->





#35

Trichloroethene

Concen: 2.730 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampled :

VSTD2.513

Tgt Ion: 95 Resp: 32863

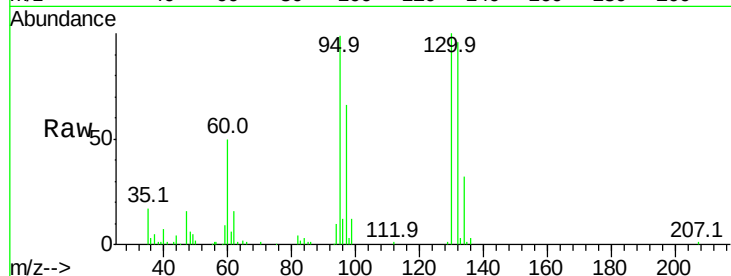
Ion Ratio Lower Upper

95 100

97 62.9 45.3 84.1

132 95.0 65.6 121.8

130 97.8 68.5 127.3



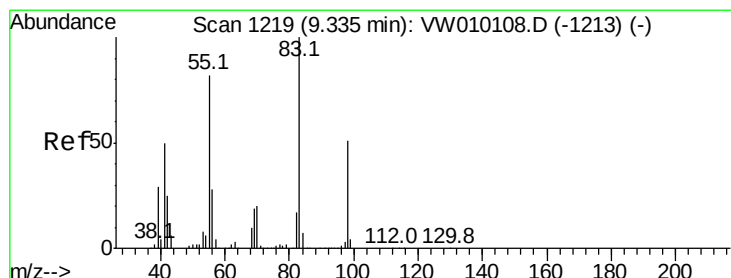
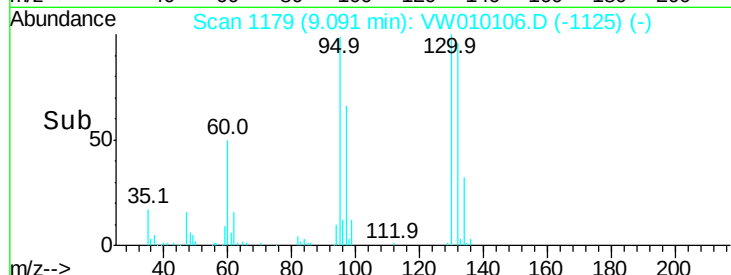
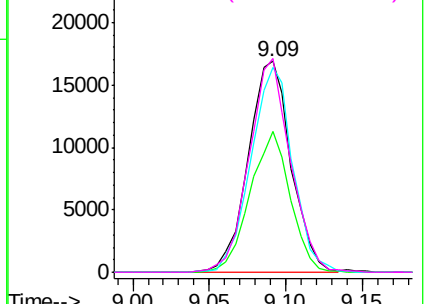
Abundance

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: 2.605 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

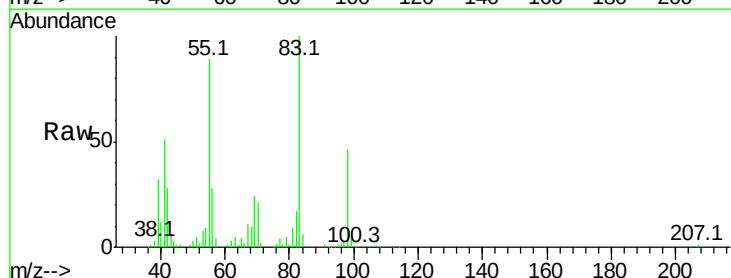
Tgt Ion: 83 Resp: 50371

Ion Ratio Lower Upper

83 100

55 87.5 68.4 102.6

98 47.9 40.0 60.0

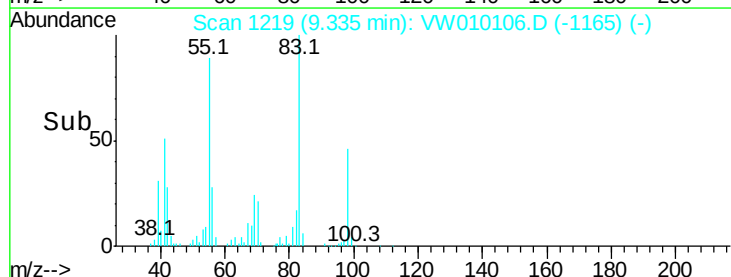
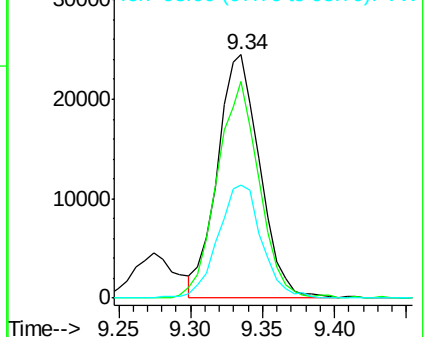


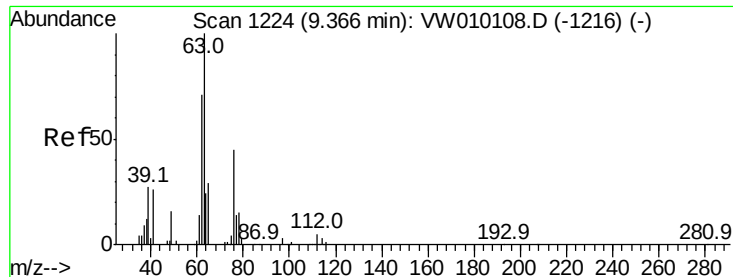
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.539 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

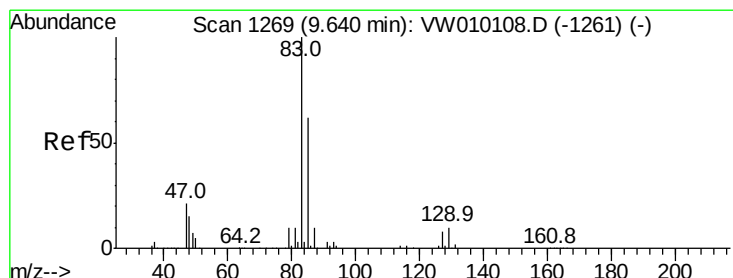
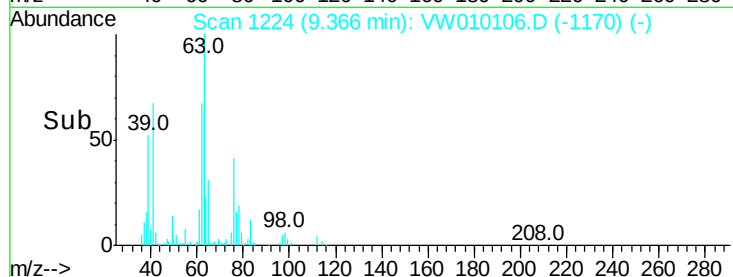
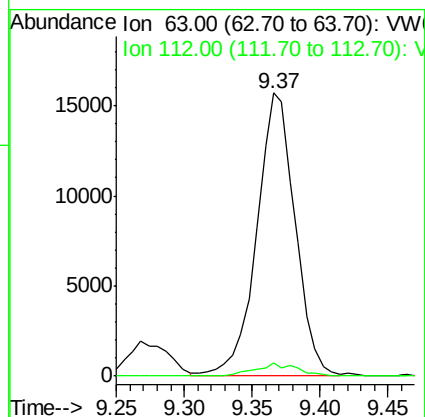
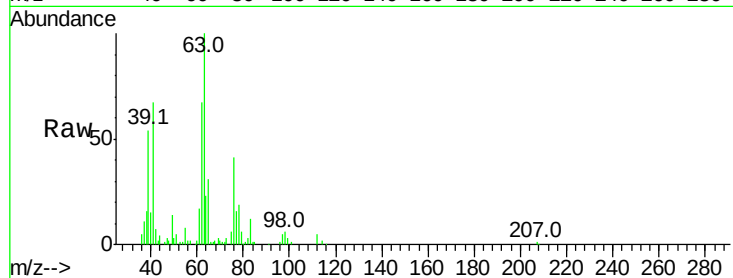
VSTD2.513

Tgt Ion: 63 Resp: 31085

Ion Ratio Lower Upper

63 100

112 3.1 3.4 5.2#



#41

Bromodichloromethane

Concen: 2.324 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

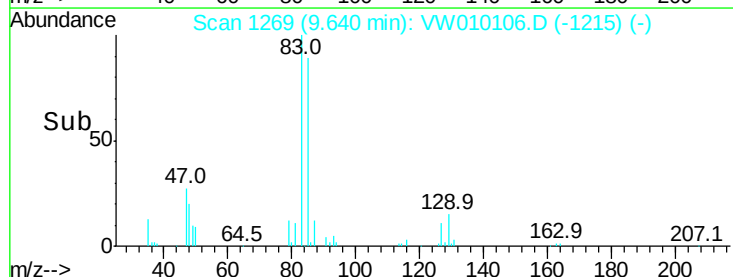
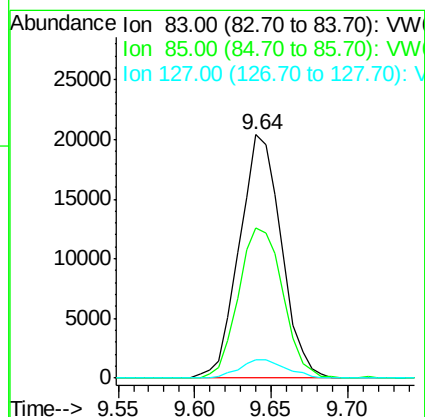
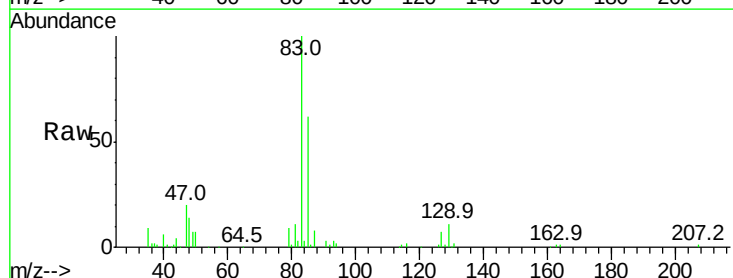
Tgt Ion: 83 Resp: 38845

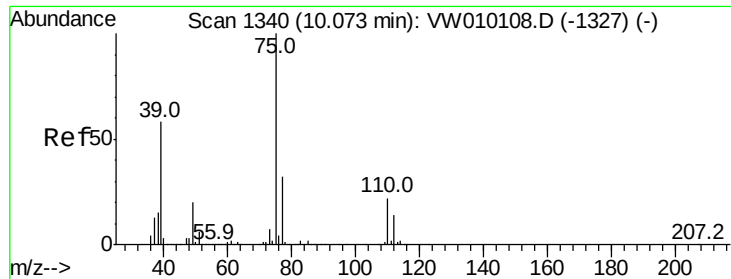
Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.9

127 7.3 6.1 9.1





#42

cis-1,3-Dichloropropene

Concen: 2.363 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampled :

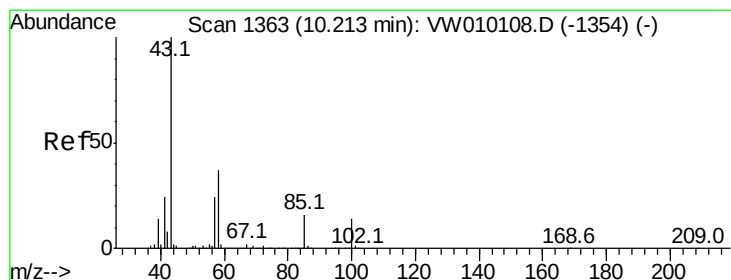
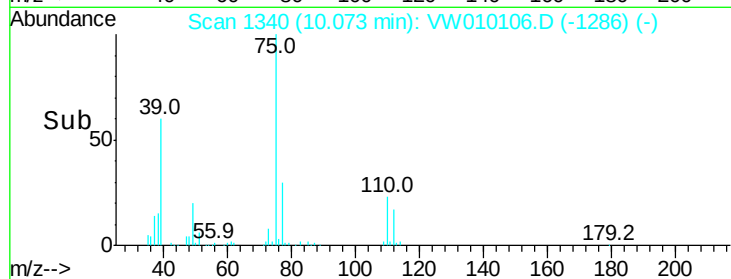
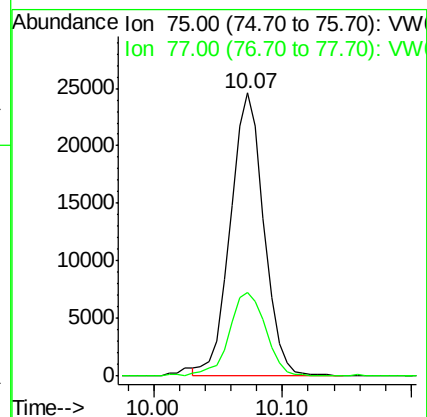
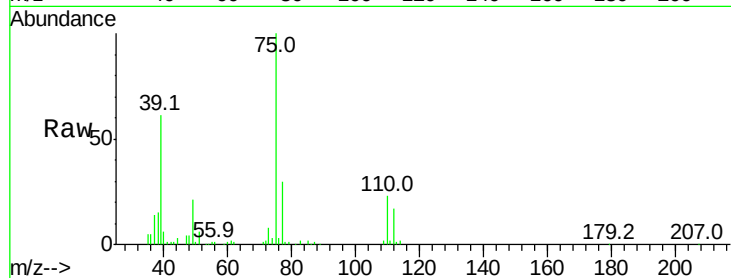
VSTD2.513

Tgt Ion: 75 Resp: 44601

Ion Ratio Lower Upper

75 100

77 29.5 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 4.262 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

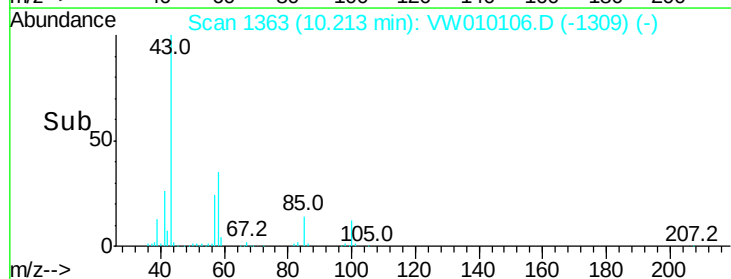
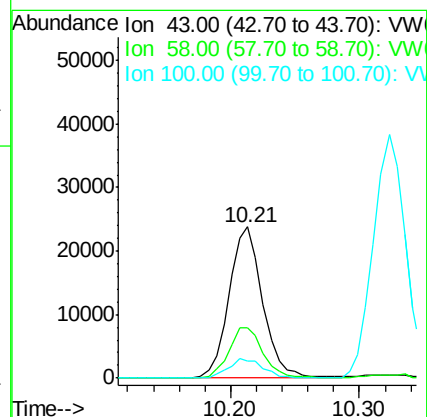
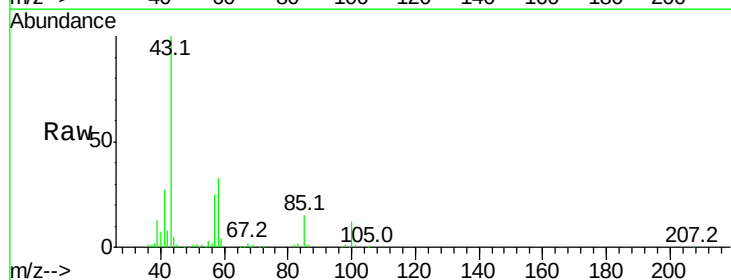
Tgt Ion: 43 Resp: 42979

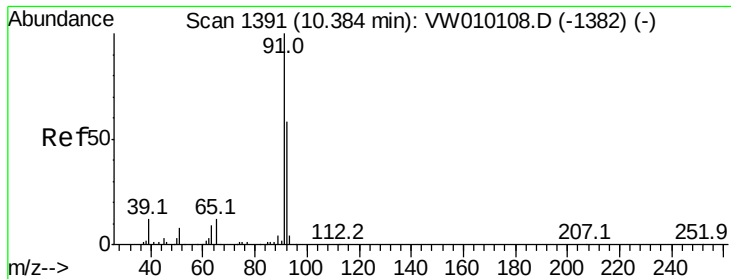
Ion Ratio Lower Upper

43 100

58 34.3 27.9 41.9

100 13.2 10.5 15.7





#44

Toluene

Concen: 2.577 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampled :

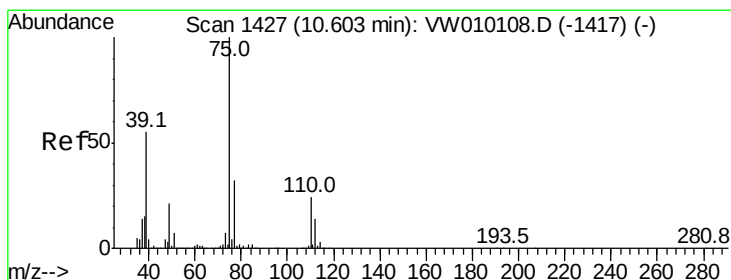
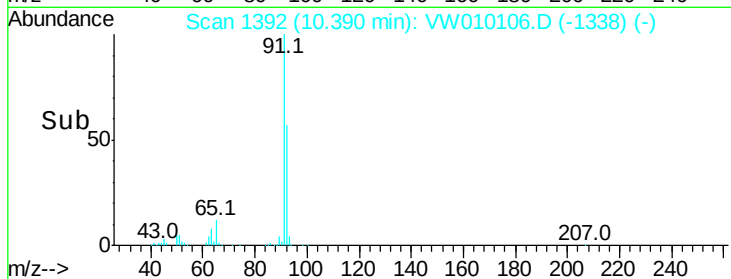
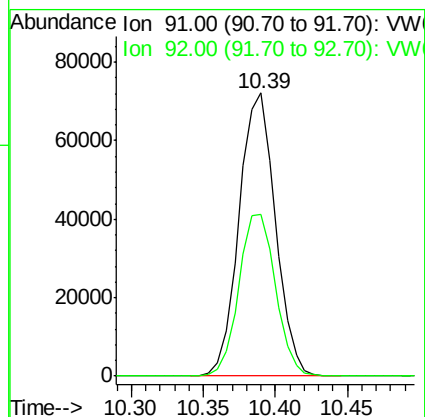
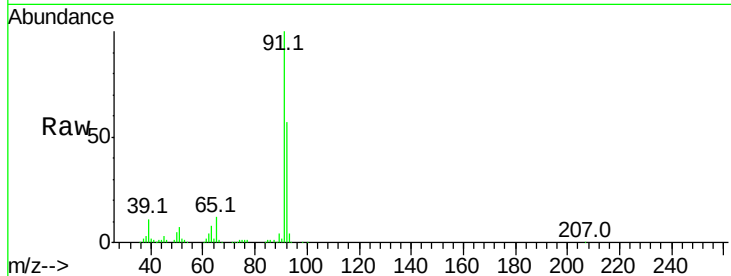
VSTD2.513

Tgt Ion: 91 Resp: 126575

Ion Ratio Lower Upper

91 100

92 57.1 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 2.282 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010106.D

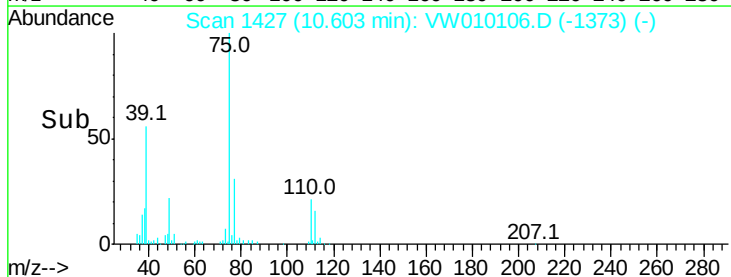
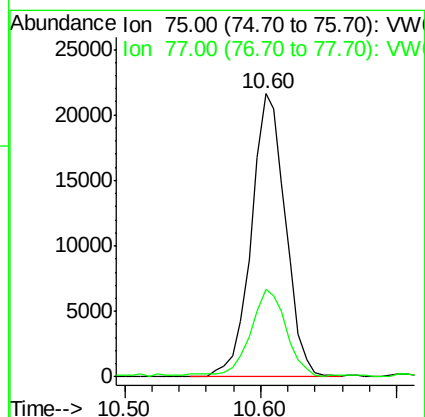
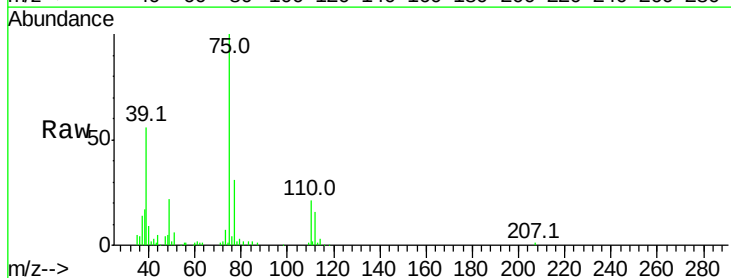
Acq: 24 Apr 2019 10:00

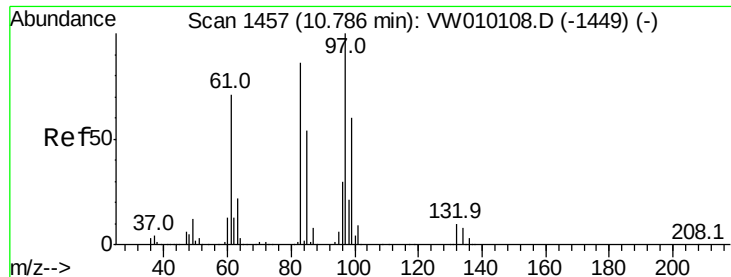
Tgt Ion: 75 Resp: 38035

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 2.268 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

Tgt Ion: 97 Resp: 21652

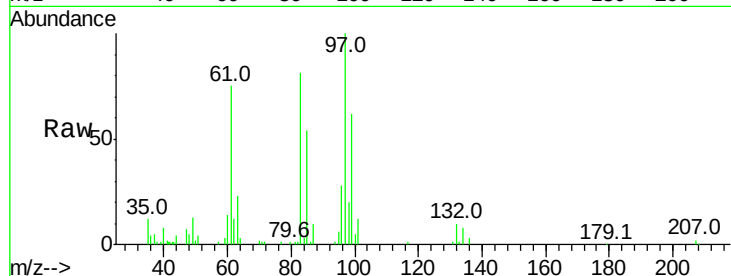
Ion Ratio Lower Upper

97 100

83 81.3 59.1 109.7

85 54.2 39.3 73.1

99 61.8 43.6 81.0

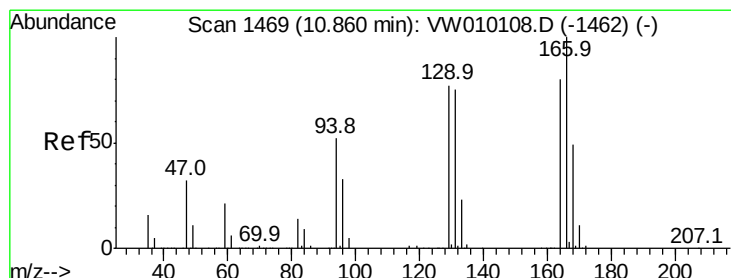
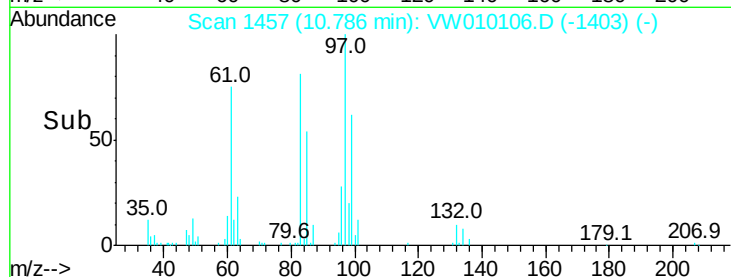
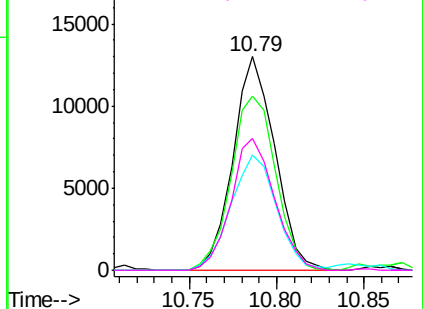


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.527 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Tgt Ion: 164 Resp: 23763

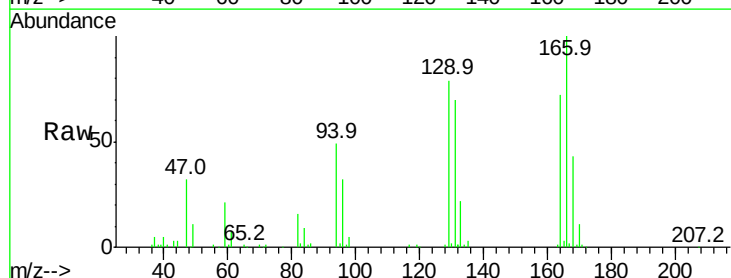
Ion Ratio Lower Upper

164 100

129 109.8 66.8 124.2

131 97.0 65.2 121.0

166 139.3 89.0 165.2

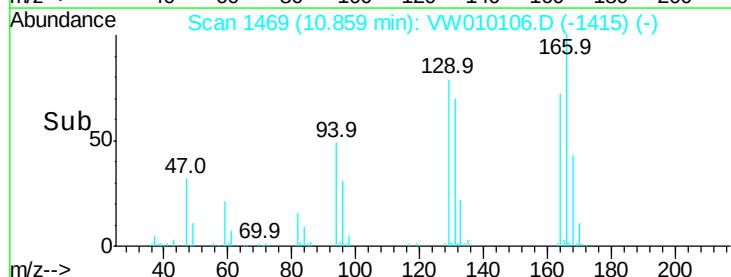
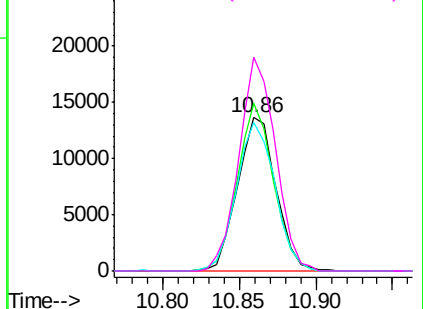


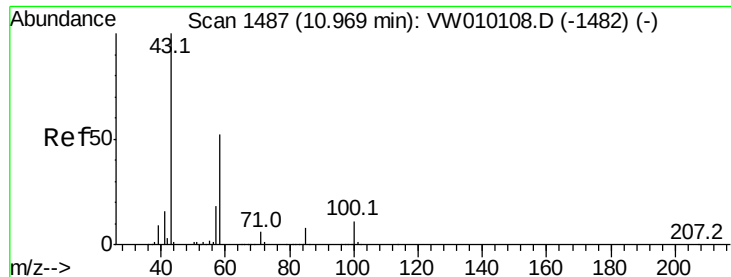
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

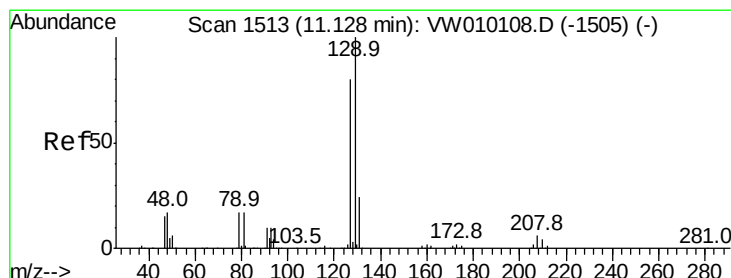
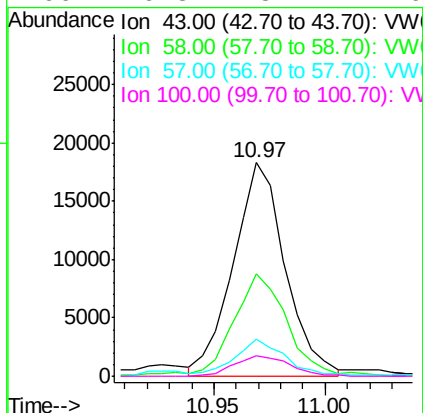
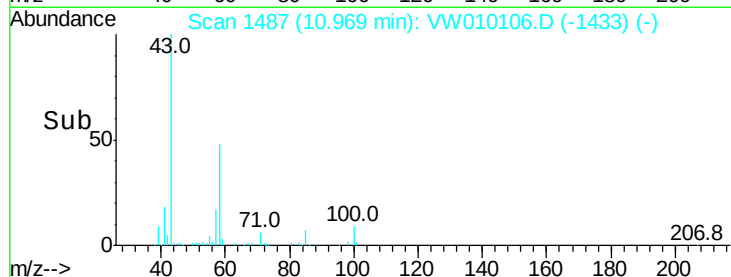
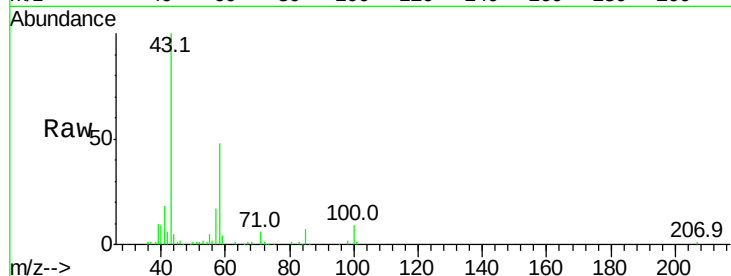




#49
2-Hexanone
Concen: 4.140 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

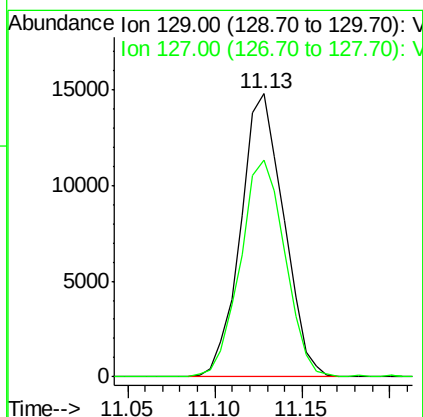
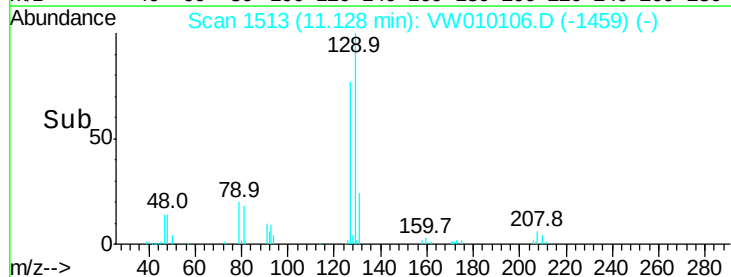
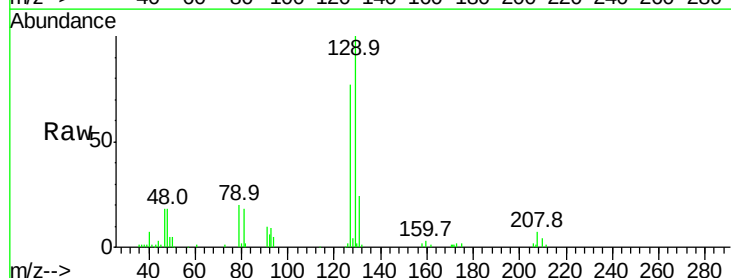
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

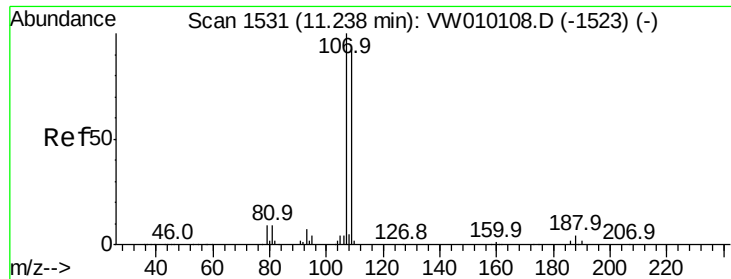
Tgt Ion:	43	Resp:	29658
Ion	Ratio	Lower	Upper
43	100		
58	48.2	39.8	59.8
57	17.2	14.1	21.1
100	10.3	8.4	12.6



#50
Dibromochloromethane
Concen: 2.237 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010106.D
Acq: 24 Apr 2019 10:00

Tgt Ion:	129	Resp:	25360
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.5	99.3

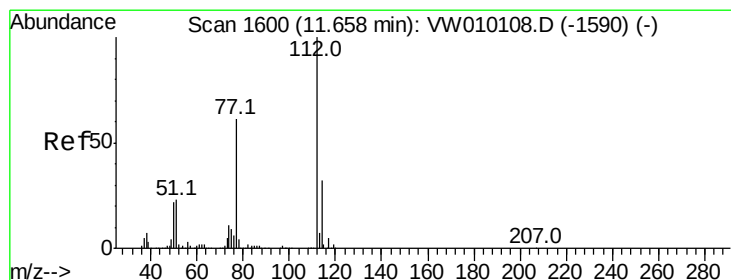
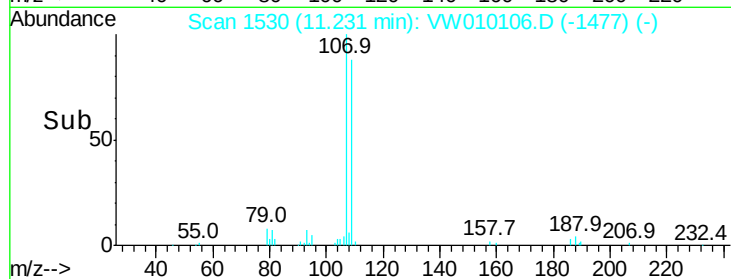
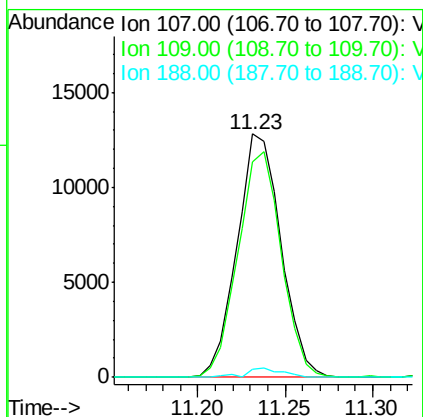
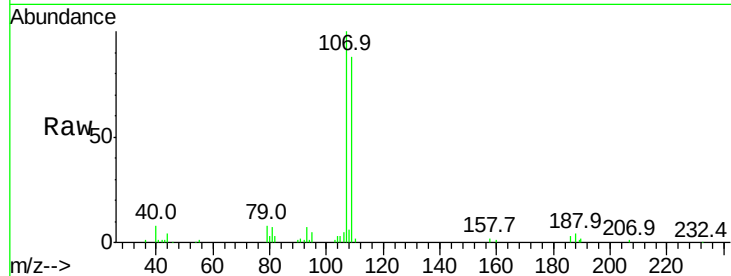




#51
 1,2-Dibromoethane
 Concen: 2.410 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

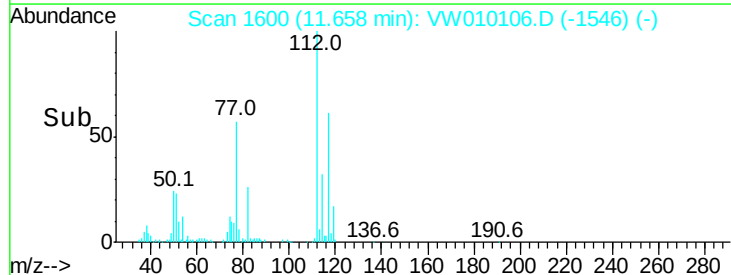
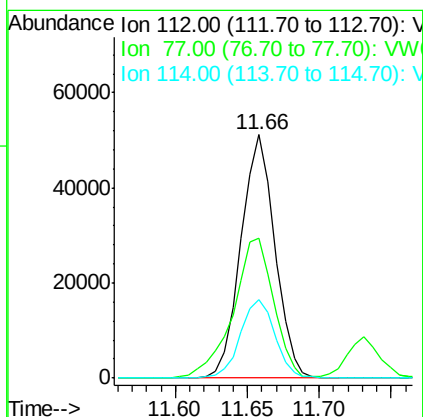
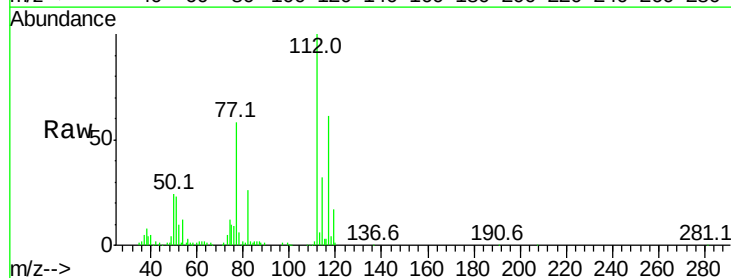
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

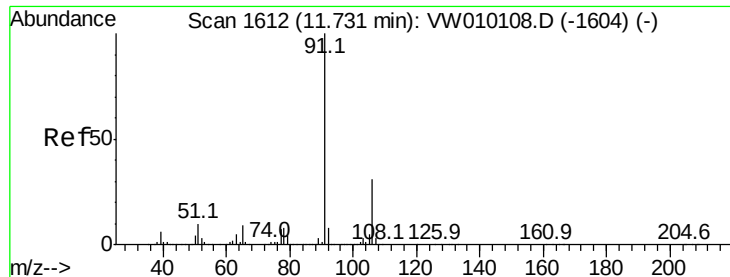
Tgt Ion:107 Resp: 22529
 Ion Ratio Lower Upper
 107 100
 109 88.4 66.4 123.4
 188 3.5 2.7 4.1



#52
 Chlorobenzene
 Concen: 2.604 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Tgt Ion:112 Resp: 83468
 Ion Ratio Lower Upper
 112 100
 77 57.6 50.2 75.4
 114 32.1 22.7 42.3





#53

Ethylbenzene

Concen: 2.525 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

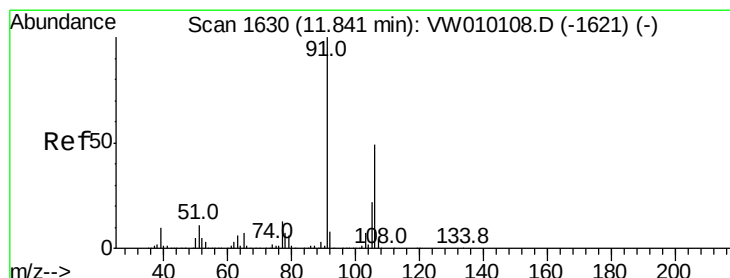
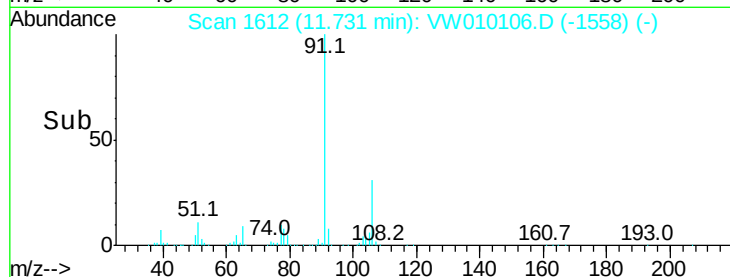
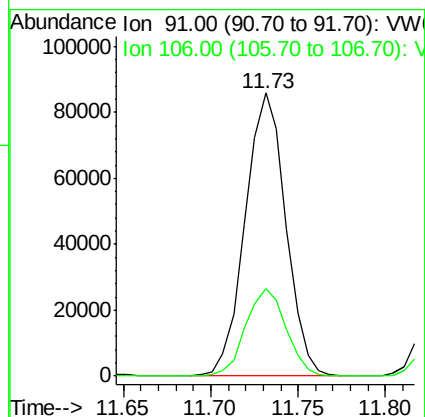
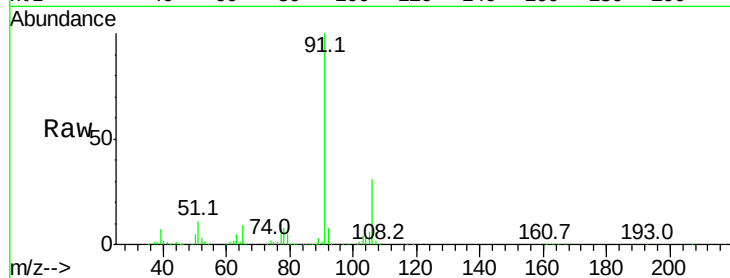
VSTD2.513

Tgt Ion: 91 Resp: 138605

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



#54

m,p-Xylene

Concen: 2.519 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010106.D

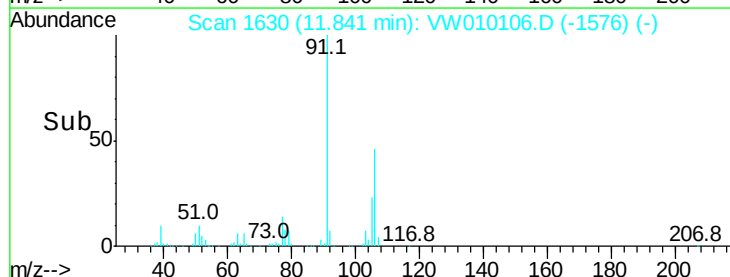
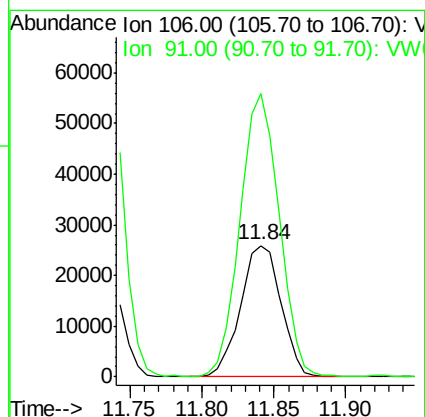
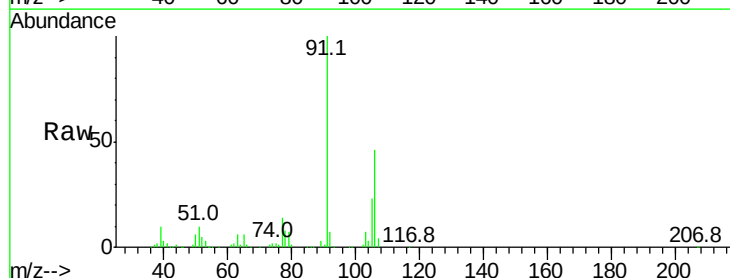
Acq: 24 Apr 2019 10:00

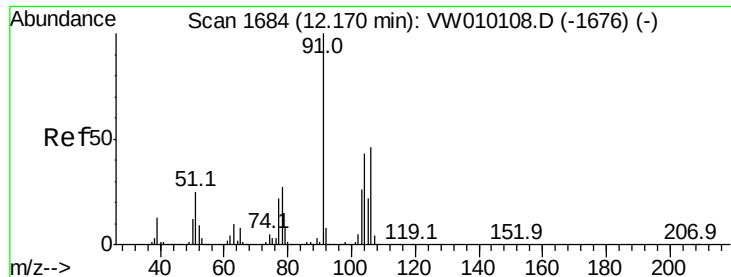
Tgt Ion: 106 Resp: 50578

Ion Ratio Lower Upper

106 100

91 215.9 143.4 266.2





#55

o-xylene

Concen: 2.440 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

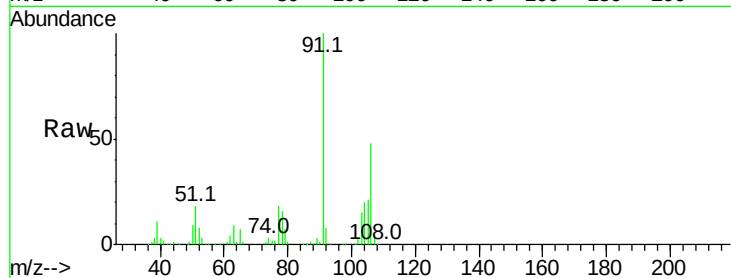
VSTD2.513

Tgt Ion:106 Resp: 46983

Ion Ratio Lower Upper

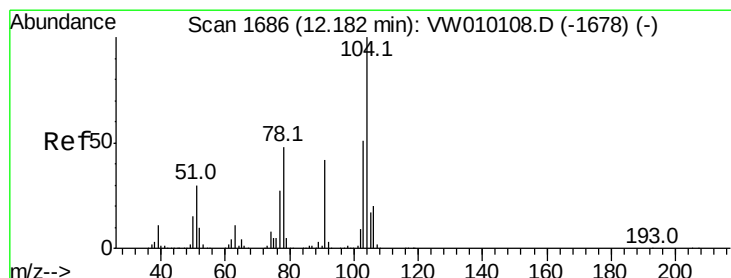
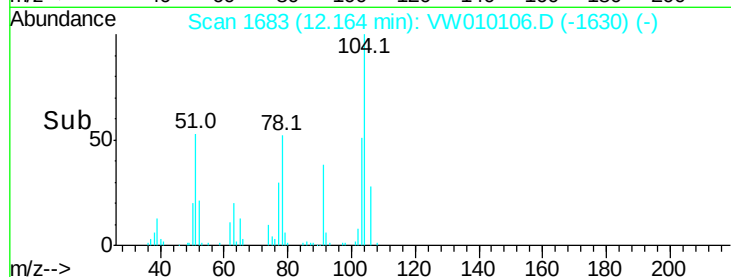
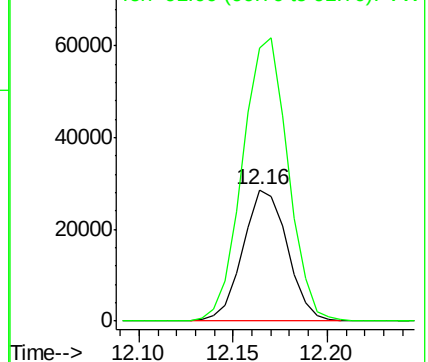
106 100

91 208.1 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.245 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010106.D

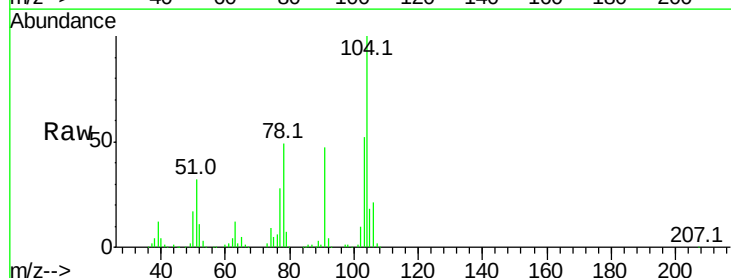
Acq: 24 Apr 2019 10:00

Tgt Ion:104 Resp: 75688

Ion Ratio Lower Upper

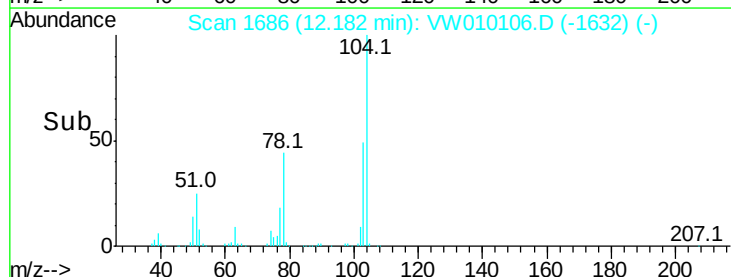
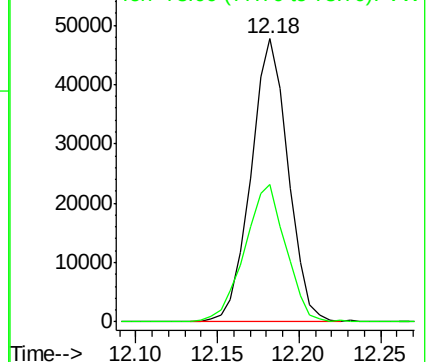
104 100

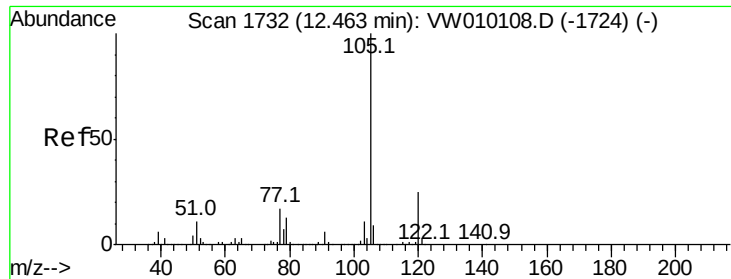
78 48.7 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.493 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Instrument :

MSVOA_W

ClientSampled :

VSTD2.513

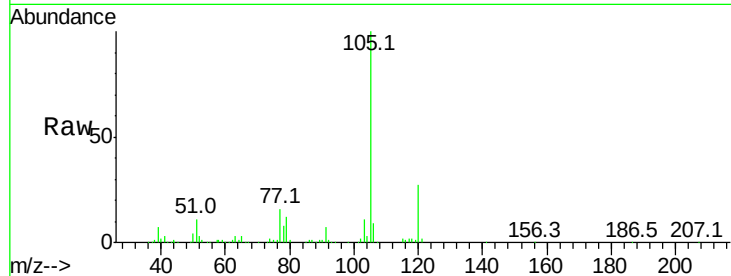
Tgt Ion: 105 Resp: 127874

Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

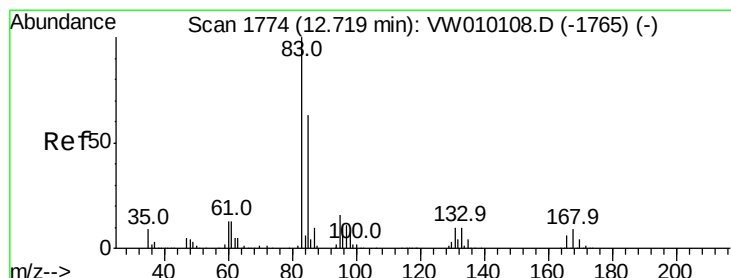
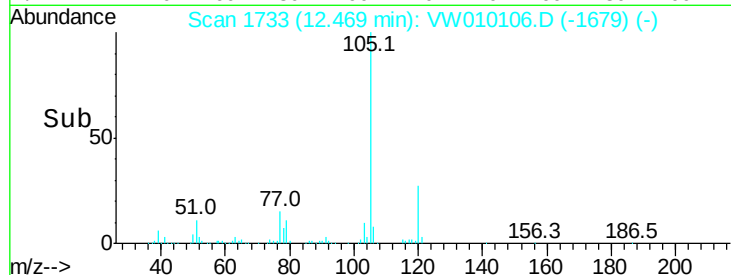
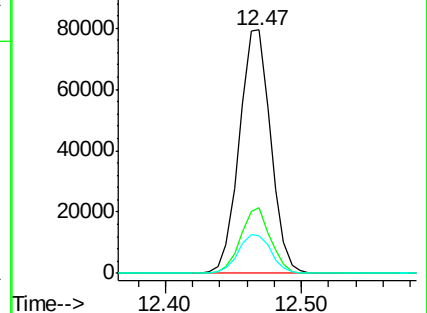
77 16.7 13.4 20.2



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.236 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

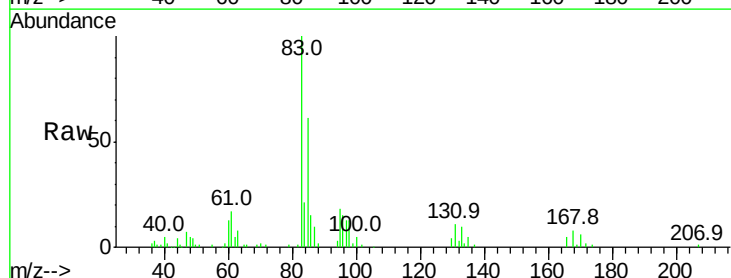
Tgt Ion: 83 Resp: 28082

Ion Ratio Lower Upper

83 100

85 60.9 44.1 81.9

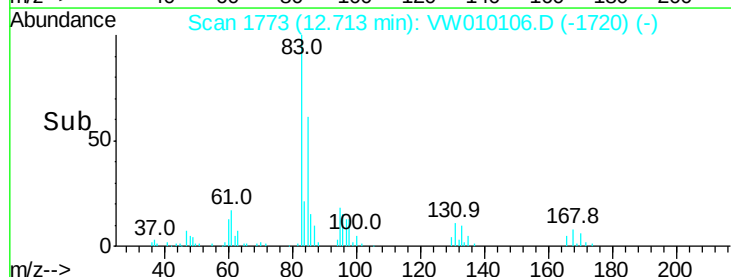
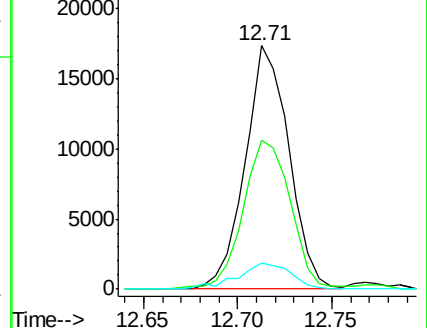
131 10.8 8.3 12.5

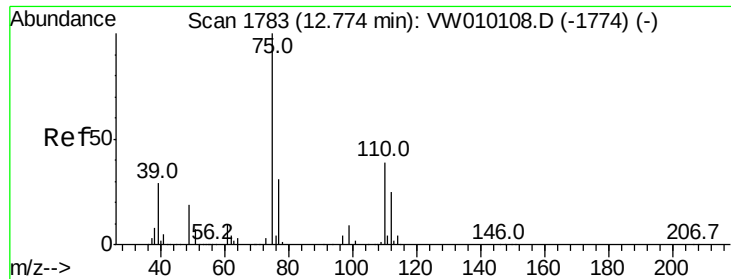


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

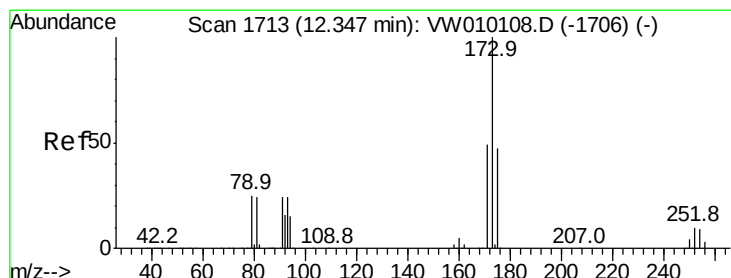
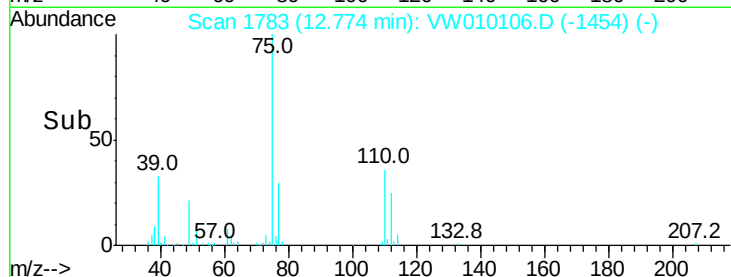
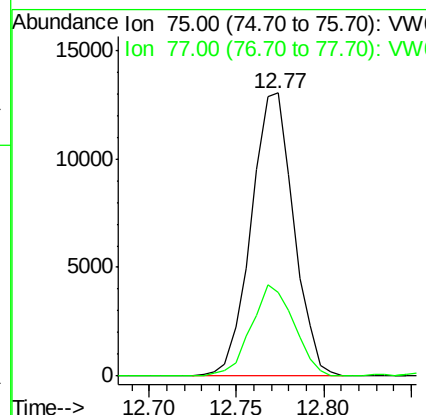
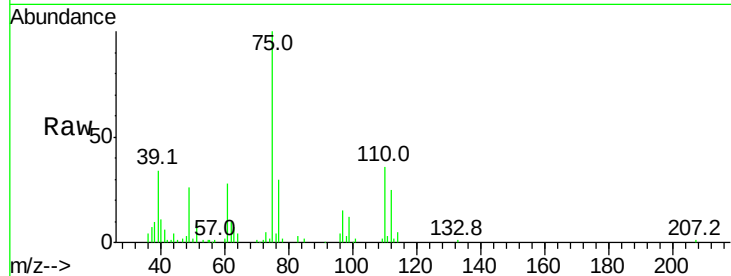




#59
 1,2,3-Trichloropropane
 Concen: 2.347 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

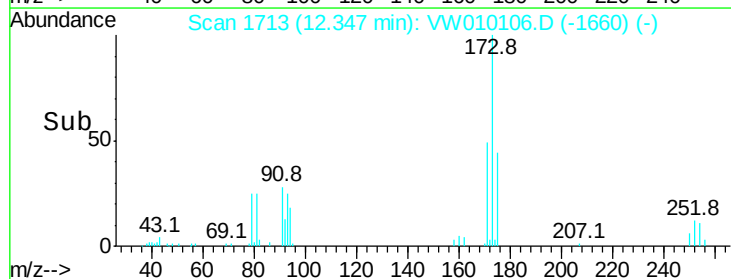
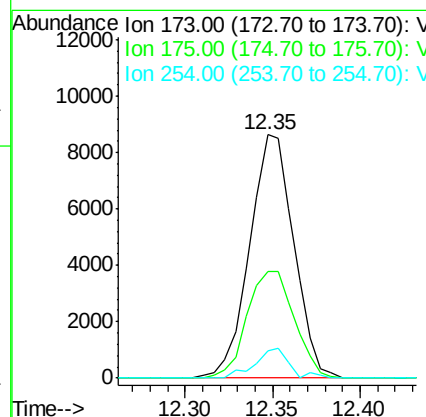
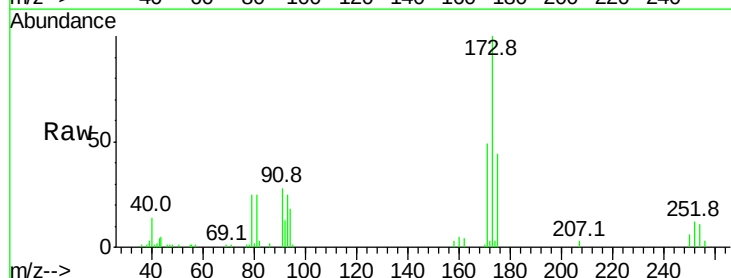
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

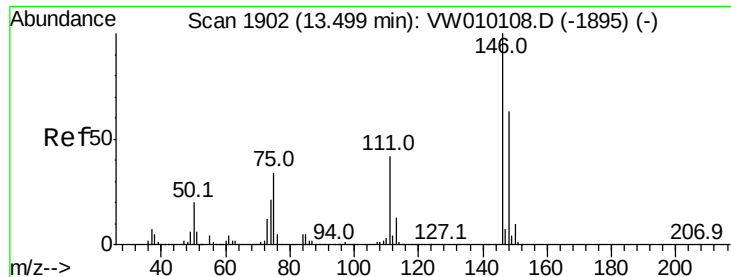
Tgt Ion: 75 Resp: 22067
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6



#62
 Bromoform
 Concen: 2.331 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Tgt Ion: 173 Resp: 15148
 Ion Ratio Lower Upper
 173 100
 175 46.9 38.4 57.6
 254 8.8 7.7 11.5

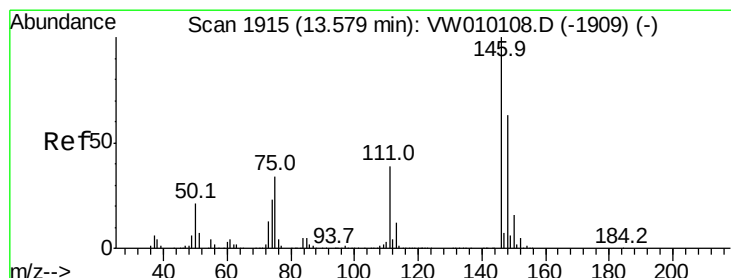
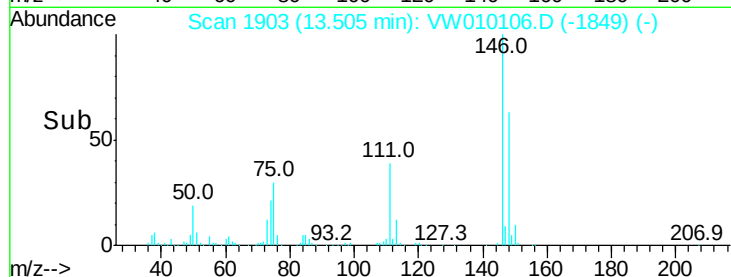
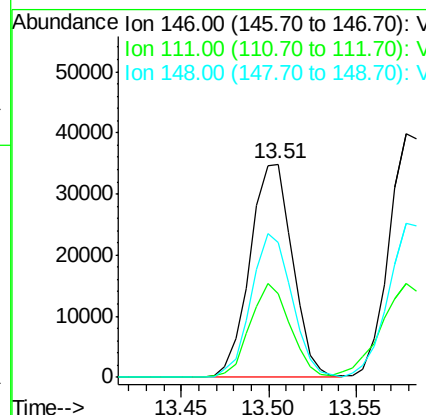
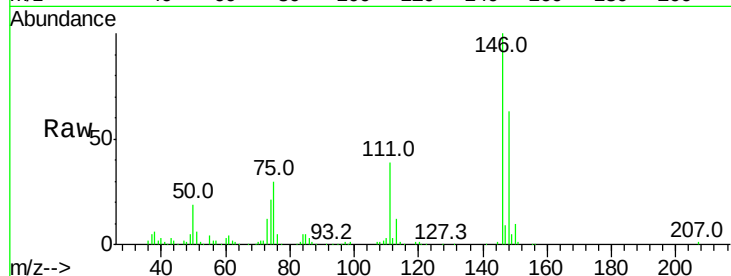




#63
 1,3-Dichlorobenzene
 Concen: 2.647 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

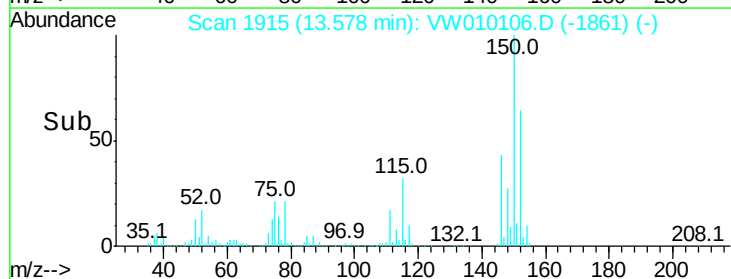
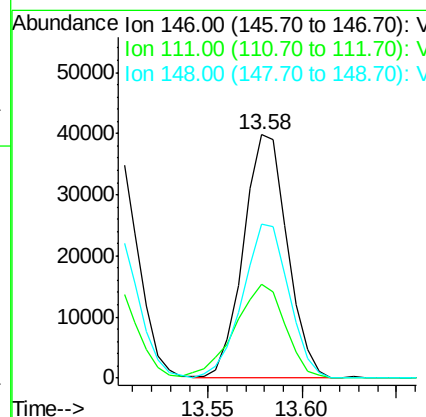
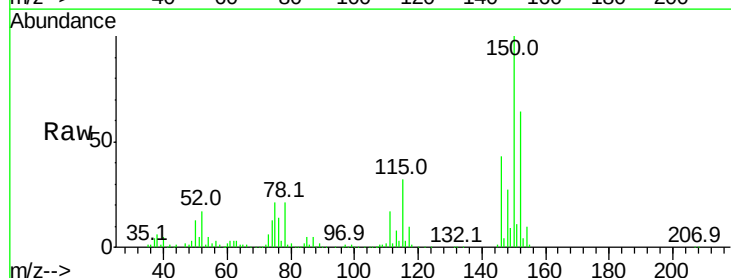
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.513

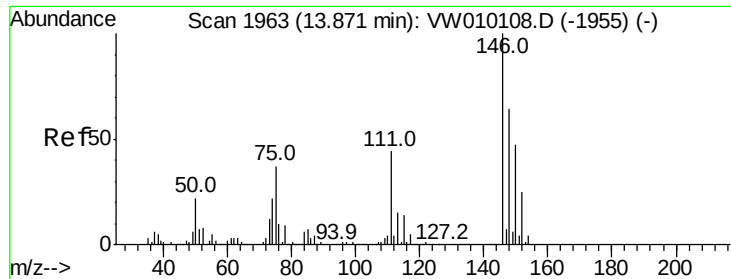
Tgt Ion:146 Resp: 59174
 Ion Ratio Lower Upper
 146 100
 111 39.5 29.3 54.3
 148 63.4 44.1 81.9



#64
 1,4-Dichlorobenzene
 Concen: 2.682 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Tgt Ion:146 Resp: 64419
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.0 52.0
 148 63.2 44.1 81.9

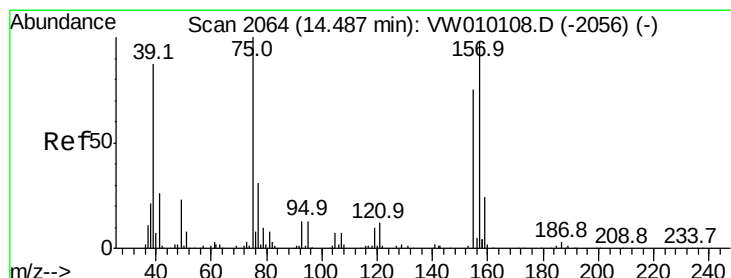
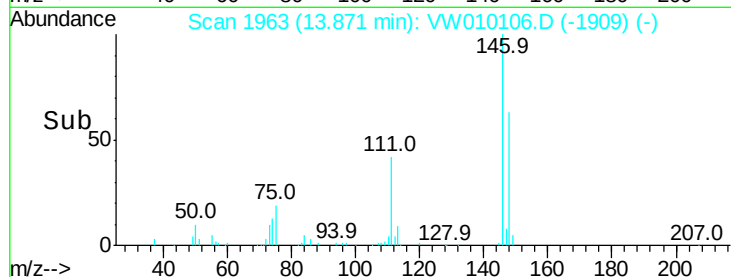
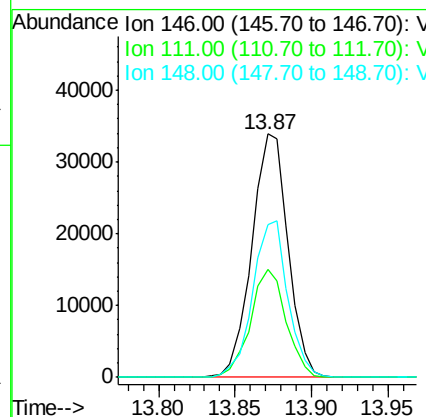
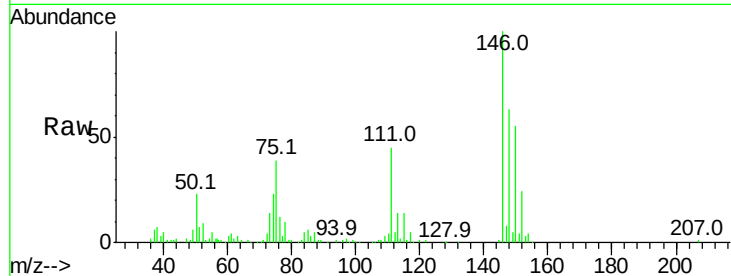




#65
 1,2-Dichlorobenzene
 Concen: 2.540 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

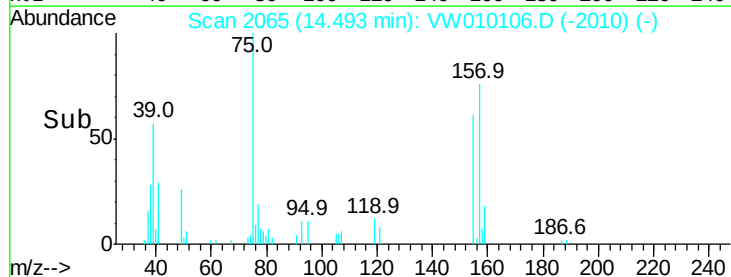
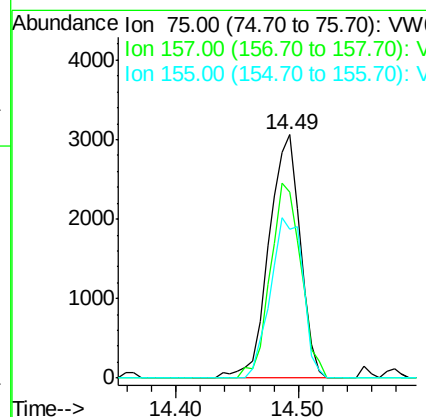
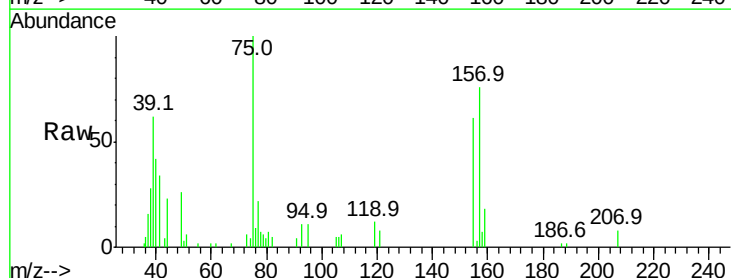
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

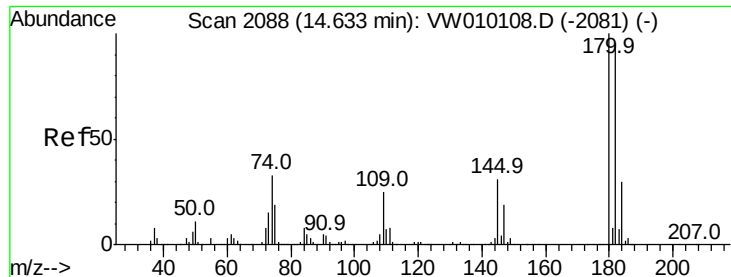
Tgt Ion:146 Resp: 55717
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.0 52.6
 148 62.5 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.446 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Tgt Ion: 75 Resp: 5429
 Ion Ratio Lower Upper
 75 100
 157 76.4 73.3 109.9
 155 61.2 58.6 88.0

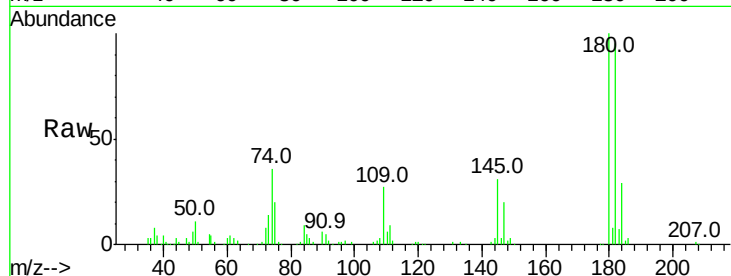




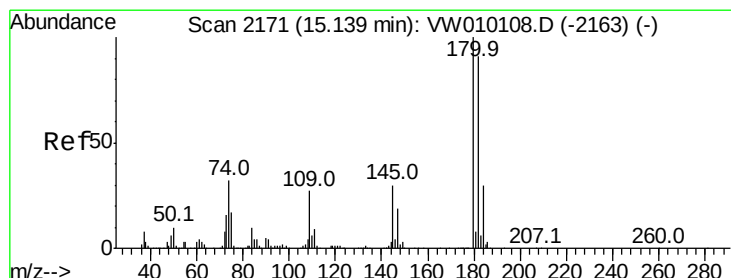
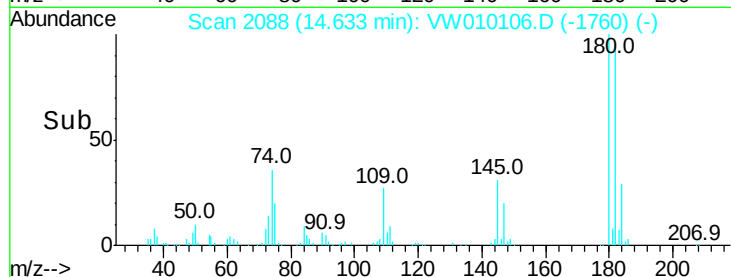
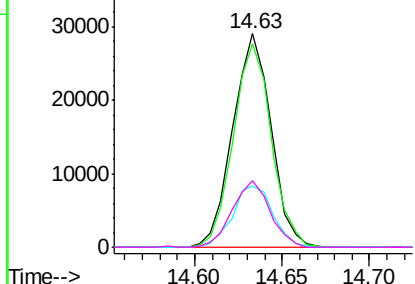
#67
 1,3,5-Trichlorobenzene
 Concen: 2.703 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

Tgt Ion:180 Resp: 44259
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.8 115.2
 184 30.7 24.0 36.0
 145 30.6 24.4 36.6

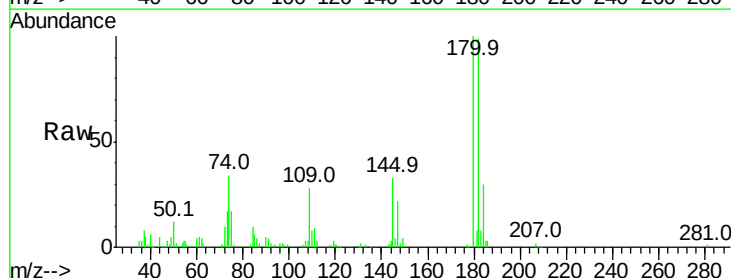


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

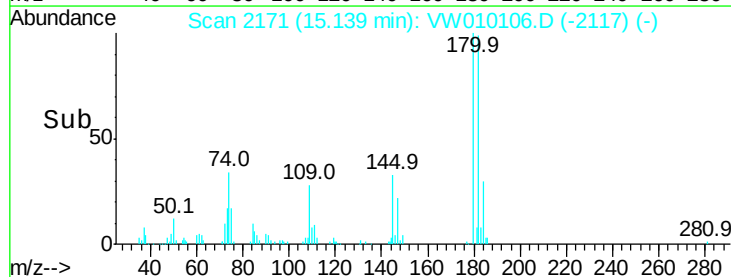
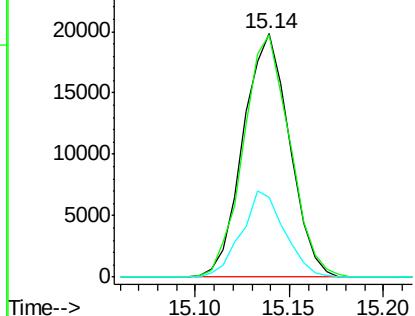


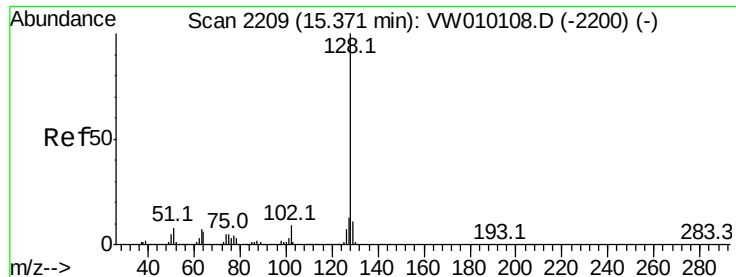
#68
 1,2,4-trichlorobenzene
 Concen: 2.512 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010106.D
 Acq: 24 Apr 2019 10:00

Tgt Ion:180 Resp: 33698
 Ion Ratio Lower Upper
 180 100
 182 100.0 75.4 113.0
 145 33.0 25.0 37.4



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





#69

Naphthalene

Concen: 3.752 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

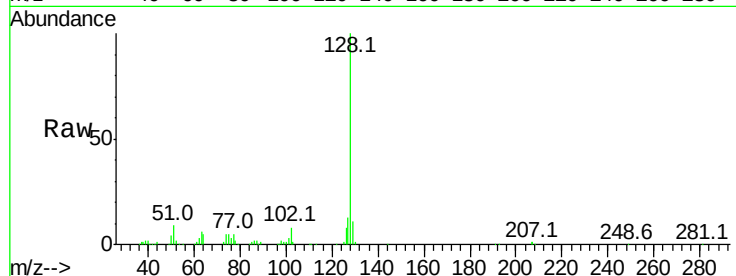
Instrument :

MSVOA_W

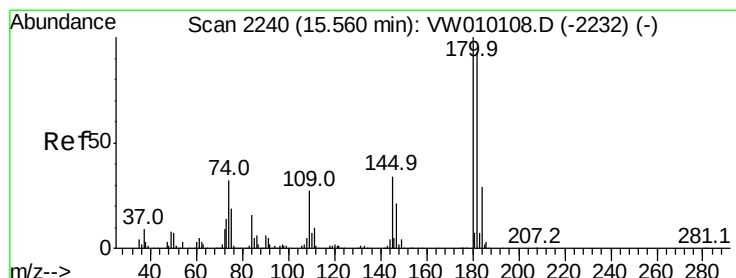
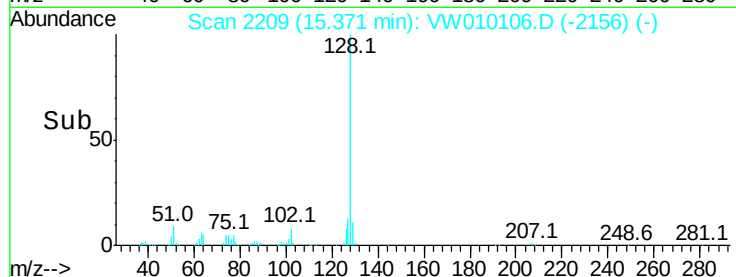
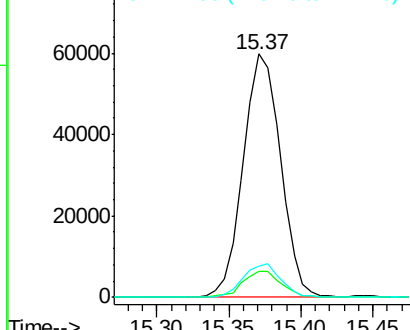
ClientSampleId :

VSTD2.513

Tgt Ion:	128	Resp:	108030
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.6	10.6	16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.604 ug/L

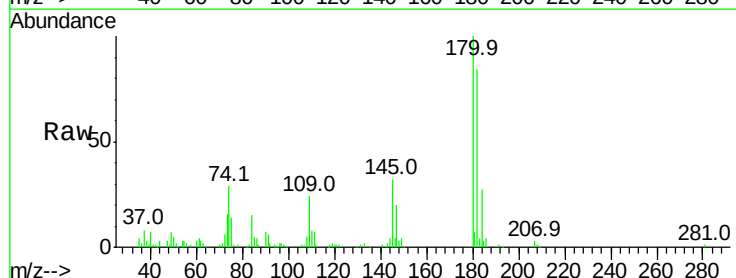
RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW010106.D

Acq: 24 Apr 2019 10:00

Tgt Ion:	180	Resp:	33326
Ion	Ratio	Lower	Upper
180	100		
182	90.5	76.0	114.0
145	33.2	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

