

Data File : VW010108.D
Acq On : 24 Apr 2019 10:57
Operator : SY/VA
Sample : VSTD02515
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Apr 24 11:31:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 10:04:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	832069	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	764125	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	371619	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	198498	25.24	ug/L	0.00
7) Chloroethane-d5	2.89	69	157359	19.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	567980	26.05	ug/L	0.00
20) 2-Butanone-d5	7.08	46	170505	40.09	ug/L	0.00
24) Chloroform-d	7.65	84	533535	22.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	304524	20.40	ug/L	0.00
29) Benzene-d6	8.27	84	1047598	24.95	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	318930	23.84	ug/L	0.00
37) Toluene-d8	10.32	98	963238	25.14	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	147577	23.27	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	138969	46.89	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	263575	21.07	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	324929	23.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	293576	25.148 ug/L	96
3) Chloromethane	2.22	50	209847	19.721 ug/L	97
5) Vinyl chloride	2.37	62	247288	24.705 ug/L	99
6) Bromomethane	2.78	94	149423	20.214 ug/L	100
8) Chloroethane	2.92	64	147587	20.539 ug/L	96
9) Trichlorofluoromethane	3.25	101	132908	16.129 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	252688	23.551 ug/L	97
12) 1,1-Dichloroethene	4.03	96	269170	26.795 ug/L	97
13) Acetone	4.12	43	124623	32.948 ug/L	98
14) Carbon disulfide	4.38	76	806434	28.319 ug/L	100
15) Methyl Acetate	4.67	43	155541	20.374 ug/L	98
16) Methylene chloride	4.92	84	274735	18.235 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	342921	23.325 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	284832	25.054 ug/L	100
19) 1,1-Dichloroethane	6.21	63	532878	23.515 ug/L	99
21) 2-Butanone	7.17	43	206671	41.728 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	306540	24.846 ug/L	99
23) Bromochloromethane	7.51	128	133562	23.245 ug/L	99
25) Chloroform	7.67	83	532230	22.953 ug/L	100
27) 1,2-Dichloroethane	8.40	62	383857	21.502 ug/L	99
30) Cyclohexane	7.95	56	518768	30.039 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	417906	26.188 ug/L	99
32) Carbon tetrachloride	8.07	117	408447	26.069 ug/L	99
34) Benzene	8.32	78	1170652	26.006 ug/L	100
35) Trichloroethene	9.09	95	302811	25.872 ug/L	98
36) Methylcyclohexane	9.34	83	523560	27.842 ug/L	98
40) 1,2-Dichloropropane	9.37	63	300308	25.226 ug/L	100
41) Bromodichloromethane	9.64	83	386819	23.800 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	474534	25.855 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	451797	46.080 ug/L	97

Data File : VW010108.D
Acq On : 24 Apr 2019 10:57
Operator : SY/VA
Sample : VSTD02515
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Apr 24 11:31:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 10:04:42 2019
Response via : Initial Calibration

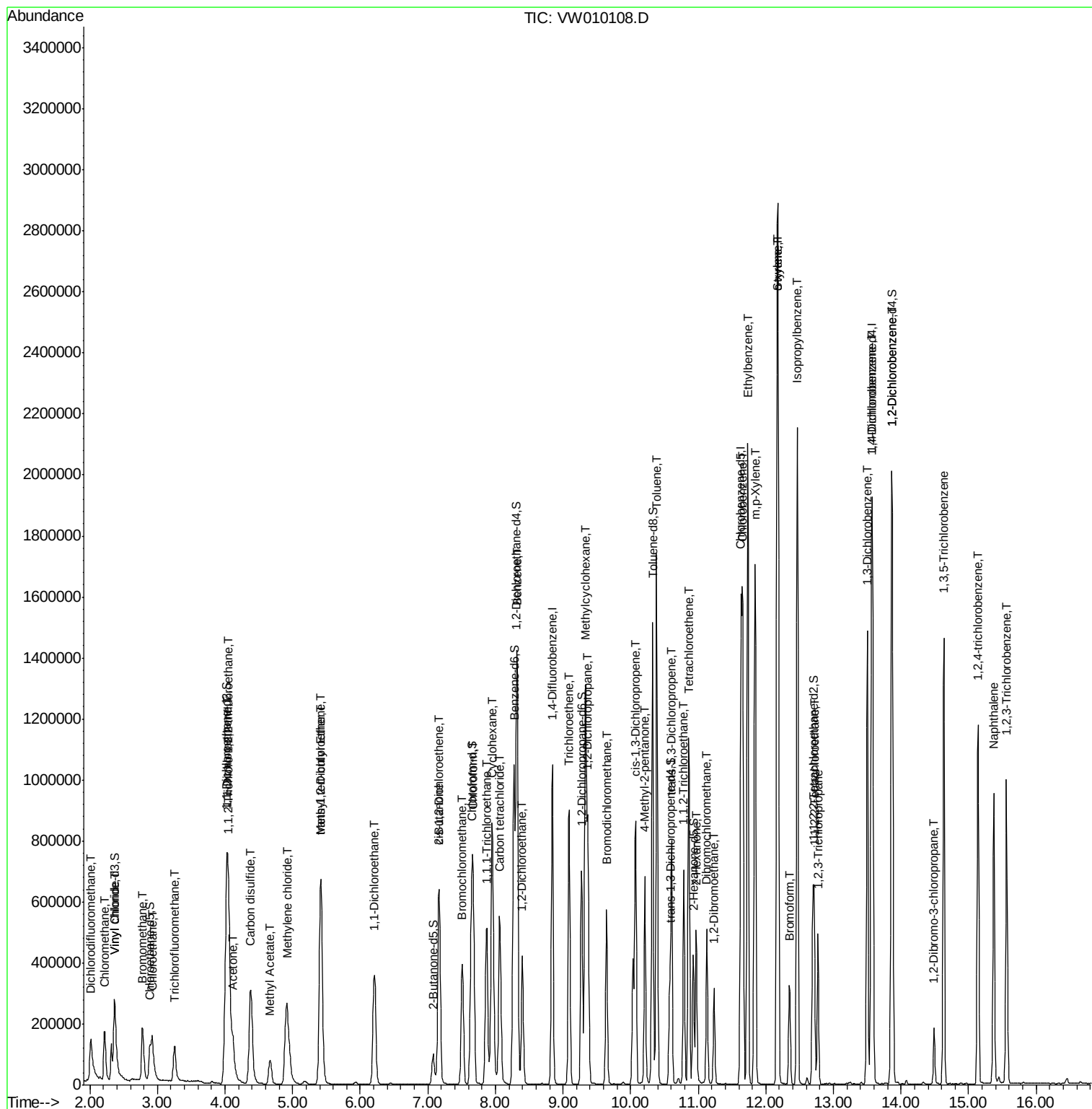
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1246304	26.098	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	407756	25.161	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	215034	23.161	ug/L	98
47) Tetrachloroethene	10.86	164	235606	25.771	ug/L	99
49) 2-Hexanone	10.97	43	323950	46.508	ug/L	100
50) Dibromochloromethane	11.13	129	258010	23.412	ug/L	96
51) 1,2-Dibromoethane	11.24	107	211611	23.284	ug/L	98
52) Chlorobenzene	11.66	112	773309	24.816	ug/L	98
53) Ethylbenzene	11.73	91	1408537	26.389	ug/L	99
54) m,p-Xylene	11.84	106	525859	26.934	ug/L	100
55) o-xylene	12.17	106	493195	26.338	ug/L	99
56) Styrene	12.18	104	859253	26.212	ug/L	99
57) Isopropylbenzene	12.46	105	1360680	27.281	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	268163	21.956	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	199143	21.787	ug/L	99
62) Bromoform	12.35	173	146707	22.480	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	583431	25.985	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	597294	24.756	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	541626	24.585	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	46268	20.753	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	429576	26.120	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	356401	26.453	ug/L	99
69) Naphthalene	15.37	128	777713	26.896	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	327438	25.472	ug/L	99

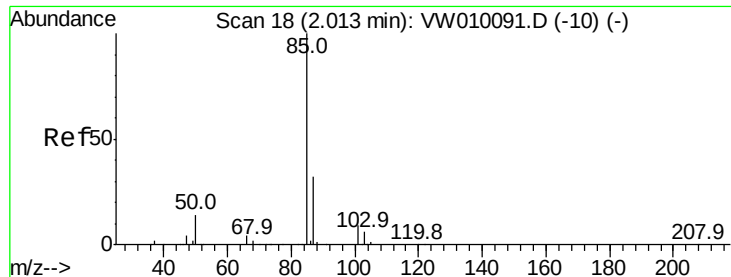
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010108.D
Acq On : 24 Apr 2019 10:57
Operator : SY/VA
Sample : VSTD02515
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Apr 24 11:31:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 10:04:42 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.148 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

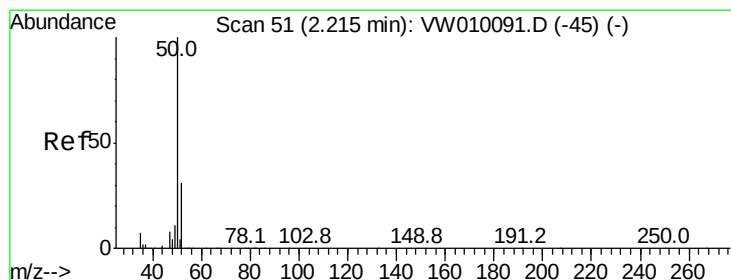
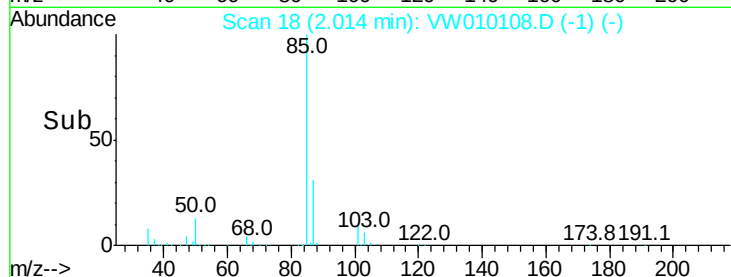
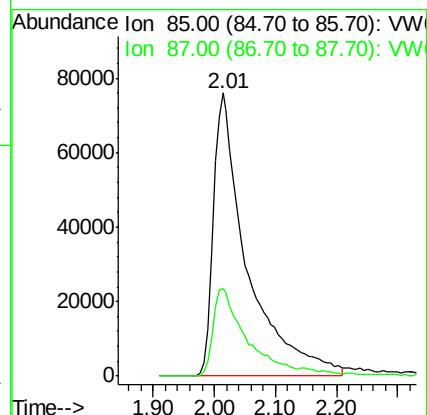
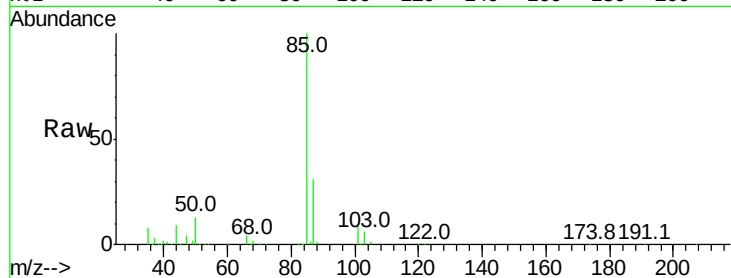
VSTD02515

Tgt Ion: 85 Resp: 293576

Ion Ratio Lower Upper

85 100

87 30.2 22.7 42.1



#3

Chloromethane

Concen: 19.721 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010108.D

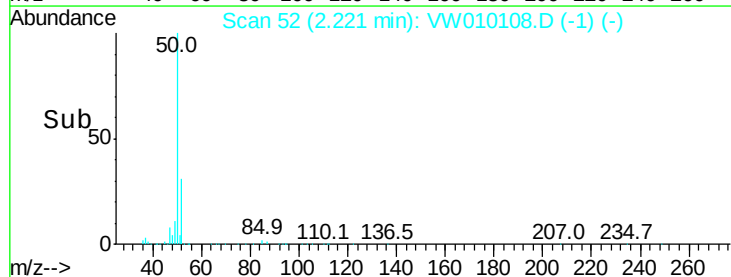
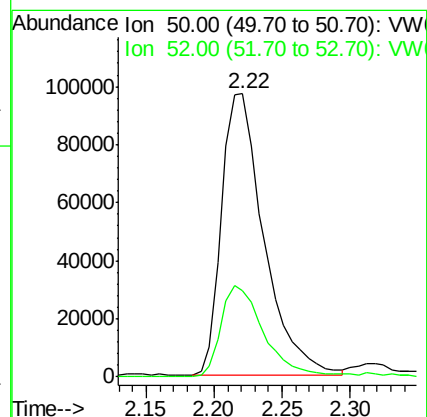
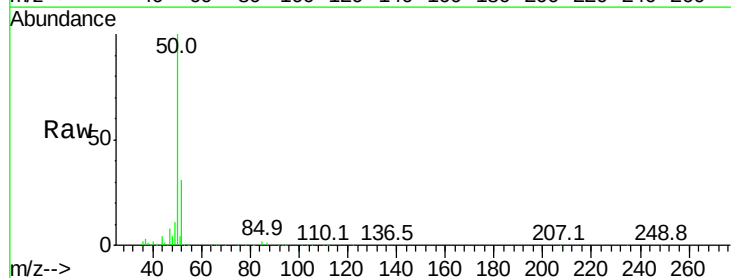
Acq: 24 Apr 2019 10:57

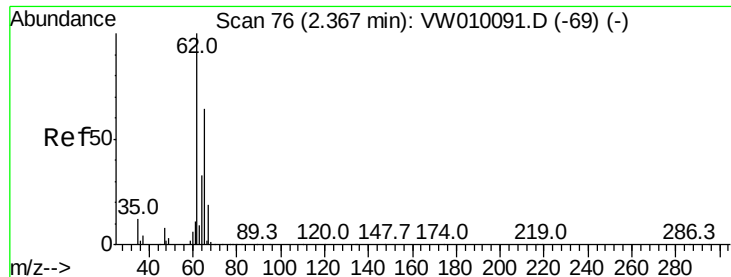
Tgt Ion: 50 Resp: 209847

Ion Ratio Lower Upper

50 100

52 30.7 22.7 42.1





#5

Vinyl chloride

Concen: 24.705 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

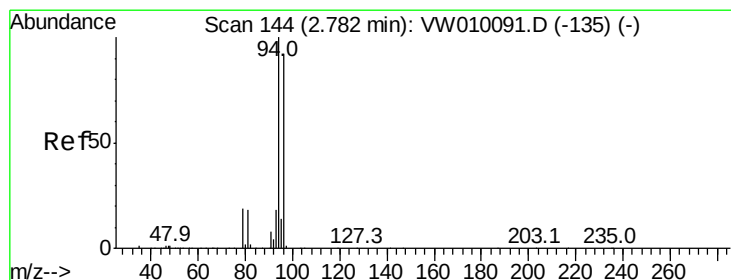
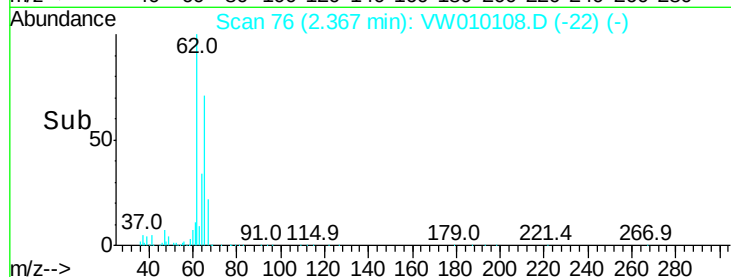
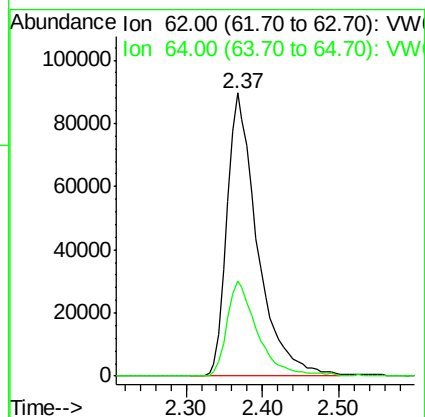
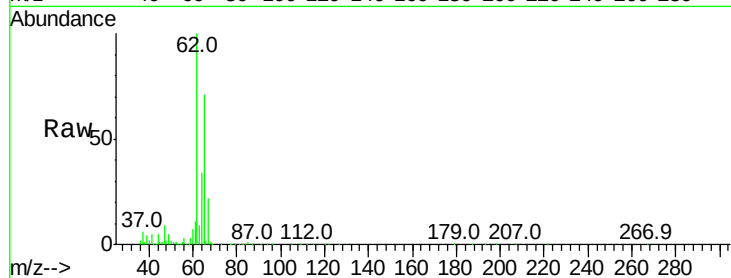
VSTD02515

Tgt Ion: 62 Resp: 247288

Ion Ratio Lower Upper

62 100

64 33.8 23.3 43.3



#6

Bromomethane

Concen: 20.214 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW010108.D

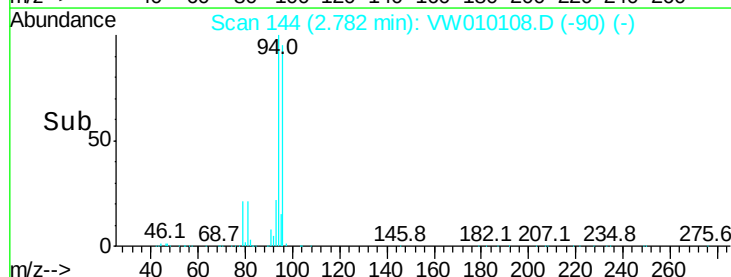
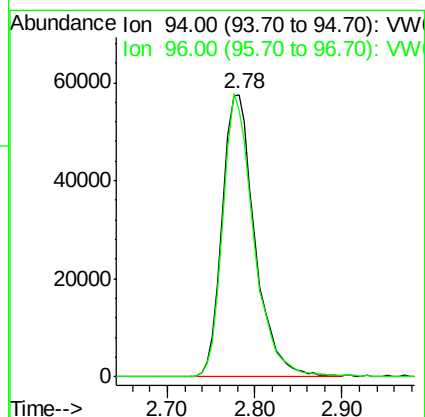
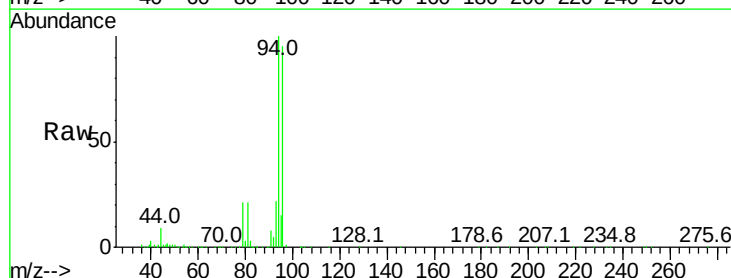
Acq: 24 Apr 2019 10:57

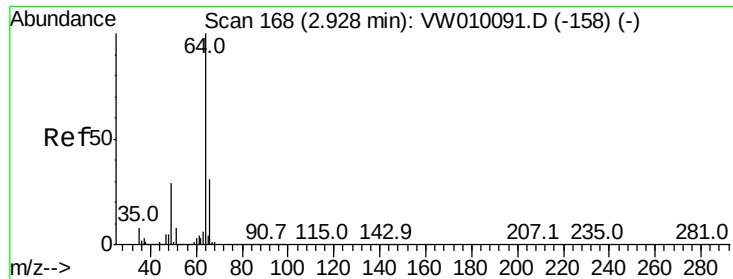
Tgt Ion: 94 Resp: 149423

Ion Ratio Lower Upper

94 100

96 94.9 9.5 180.3





#8

Chloroethane

Concen: 20.539 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

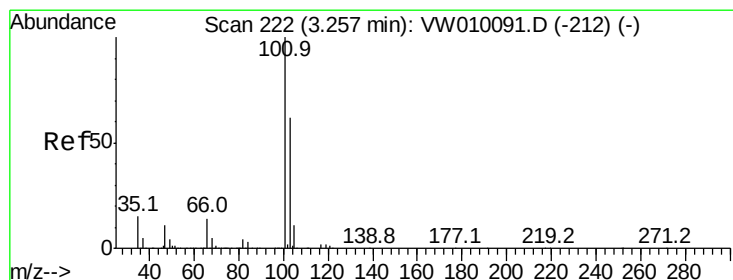
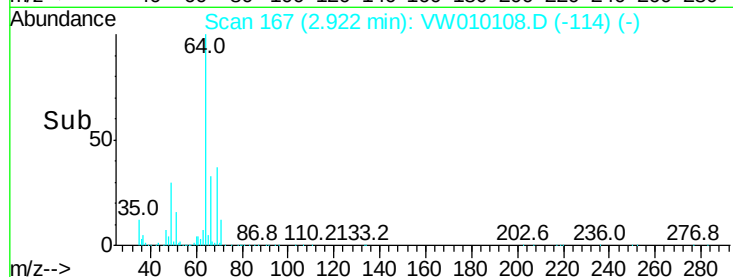
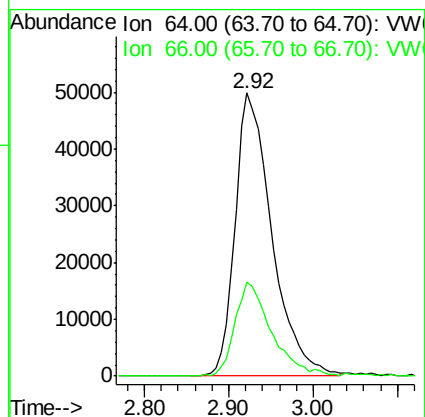
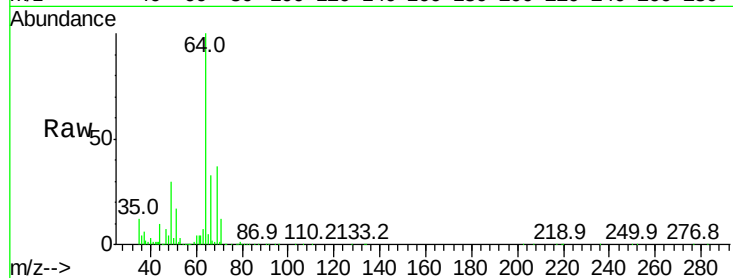
VSTD02515

Tgt Ion: 64 Resp: 147587

Ion Ratio Lower Upper

64 100

66 33.2 21.7 40.3



#9

Trichlorofluoromethane

Concen: 16.129 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010108.D

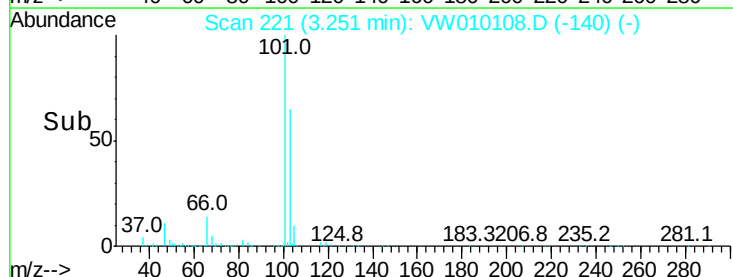
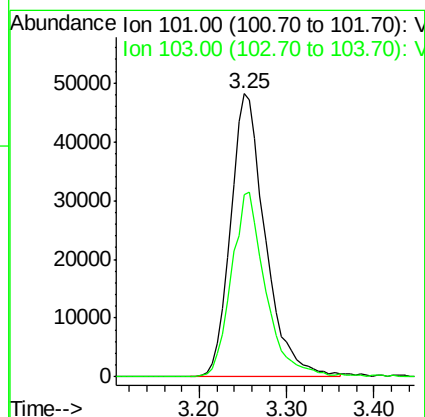
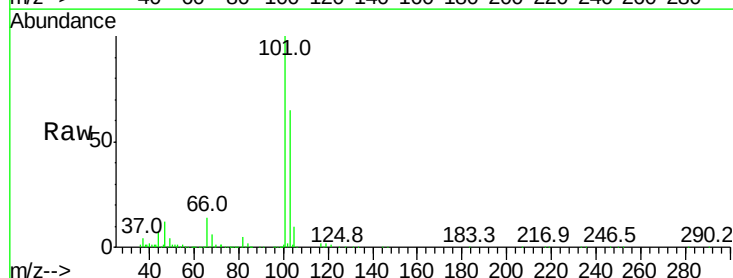
Acq: 24 Apr 2019 10:57

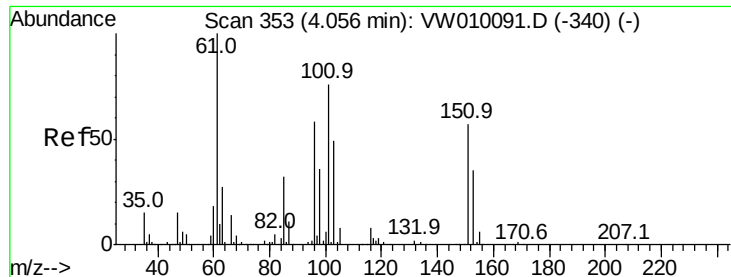
Tgt Ion: 101 Resp: 132908

Ion Ratio Lower Upper

101 100

103 64.0 44.5 82.7





#11

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

Concen: 23.551 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

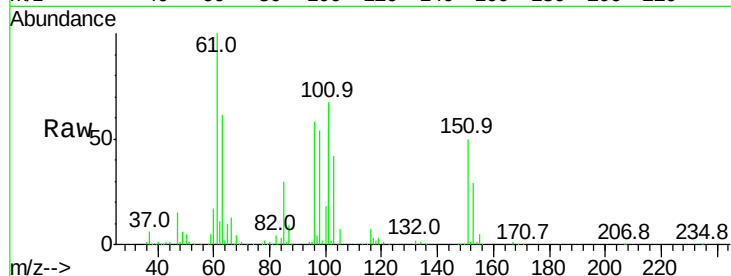
Tgt Ion: 101 Resp: 252688

Ion Ratio Lower Upper

101 100

85 43.5 37.0 55.4

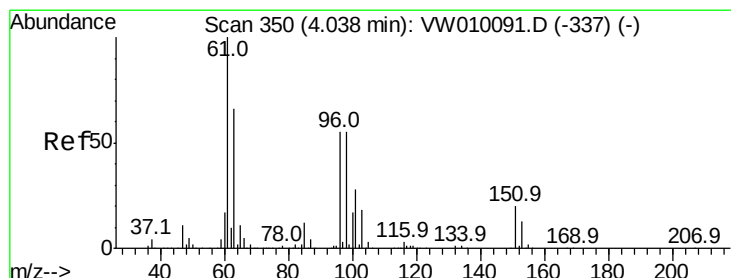
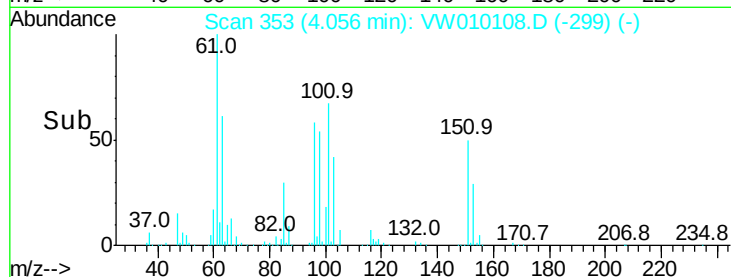
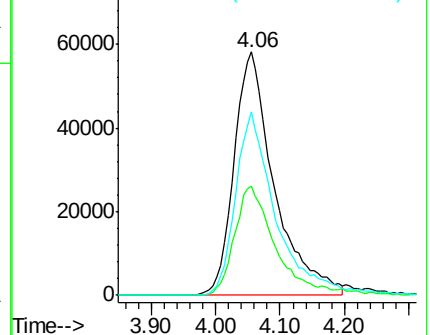
151 74.2 58.2 87.2



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: 26.795 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

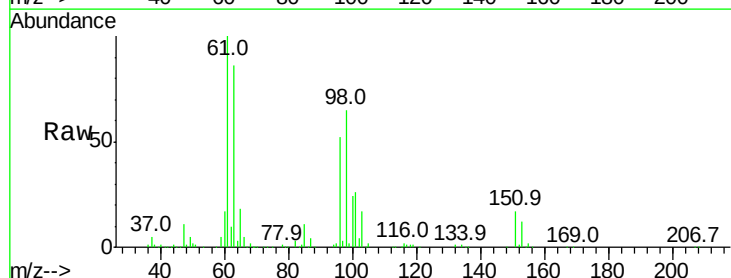
Tgt Ion: 96 Resp: 269170

Ion Ratio Lower Upper

96 100

61 193.3 131.2 243.6

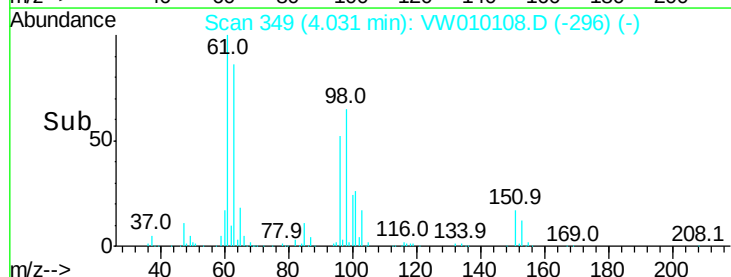
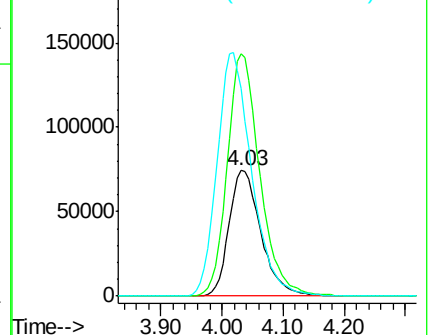
63 165.5 113.9 211.5

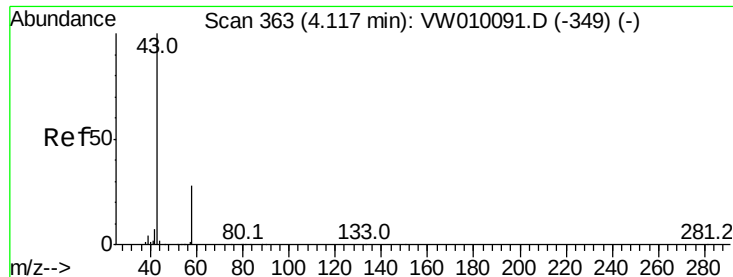


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 32.948 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

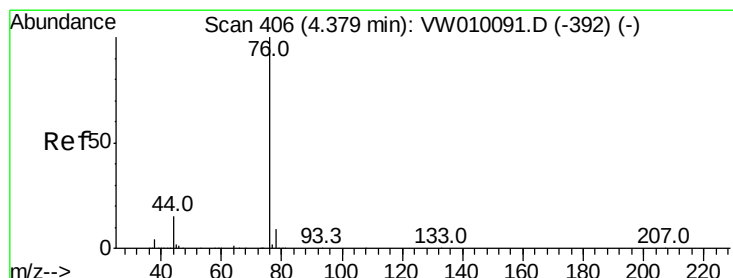
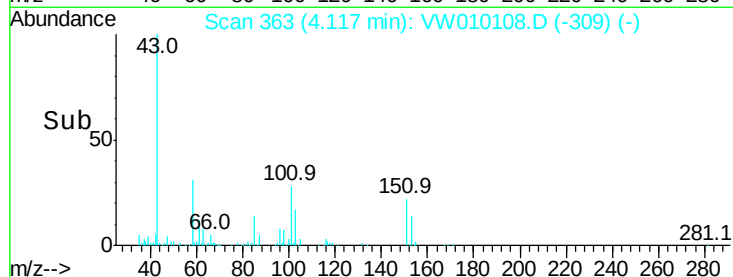
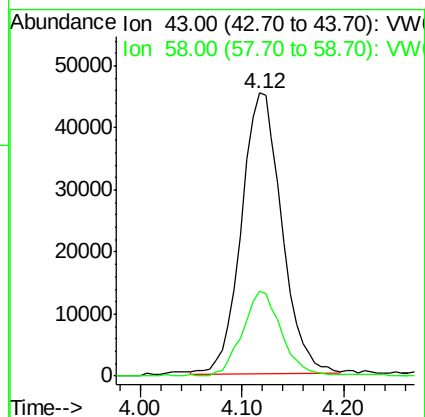
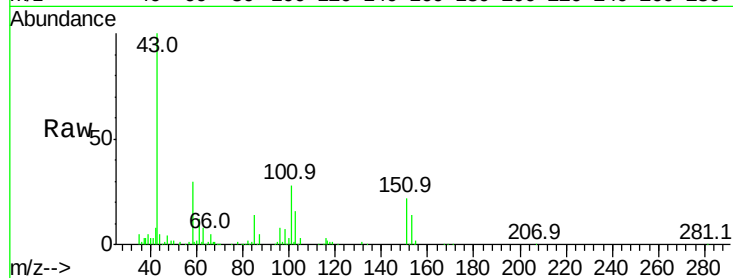
VSTD02515

Tgt Ion: 43 Resp: 124623

Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.2



#14

Carbon disulfide

Concen: 28.319 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010108.D

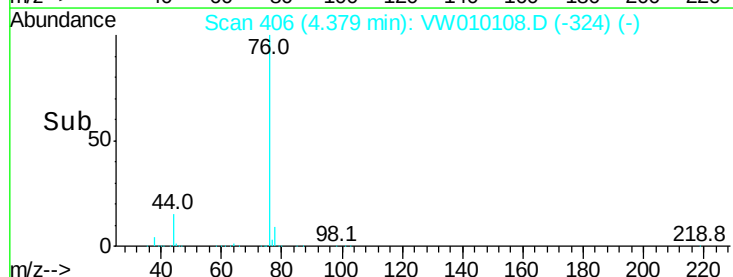
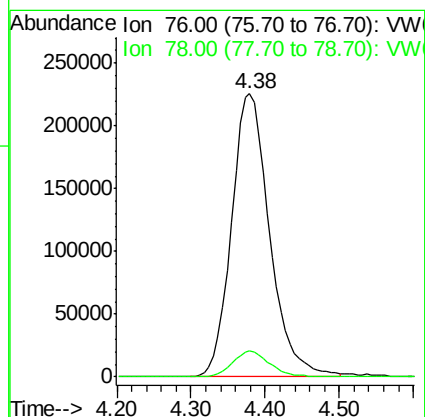
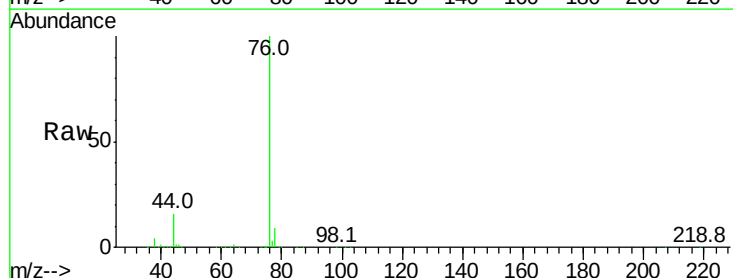
Acq: 24 Apr 2019 10:57

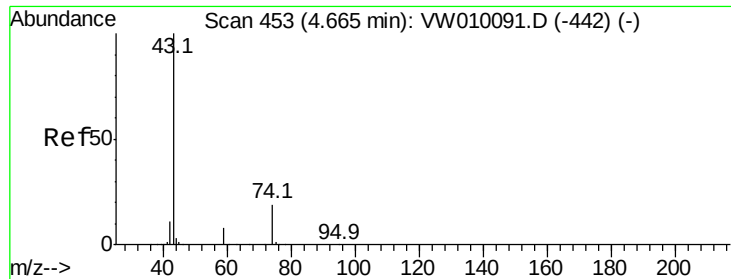
Tgt Ion: 76 Resp: 806434

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

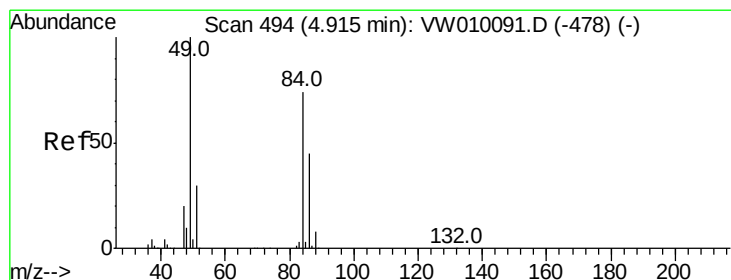
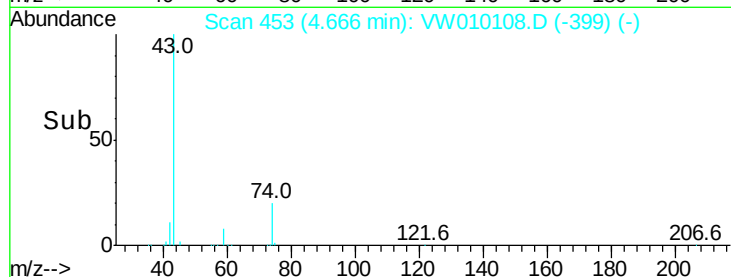
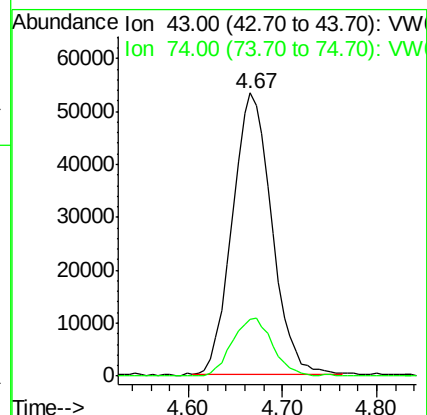
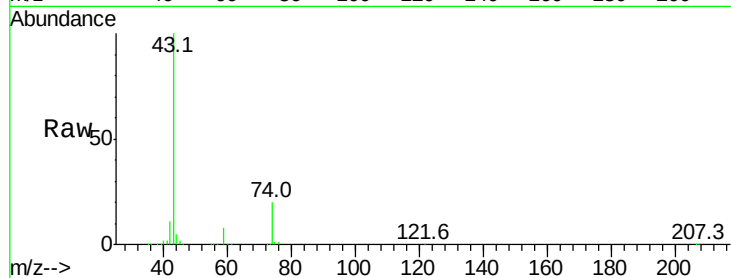




#15
Methyl Acetate
Concen: 20.374 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

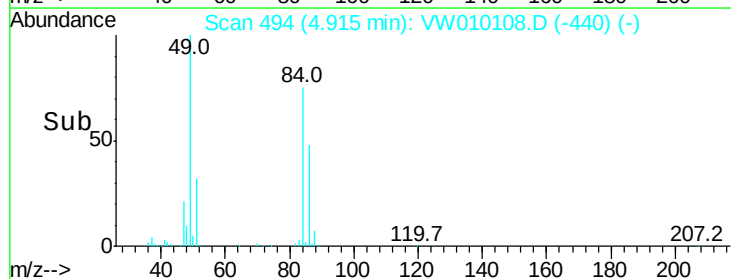
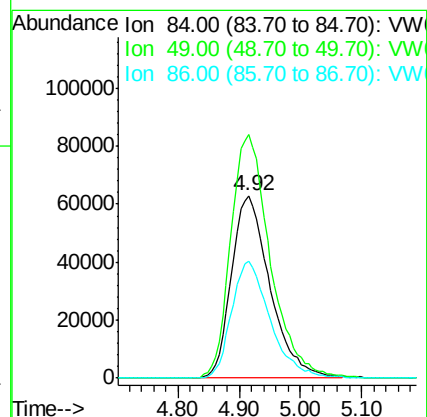
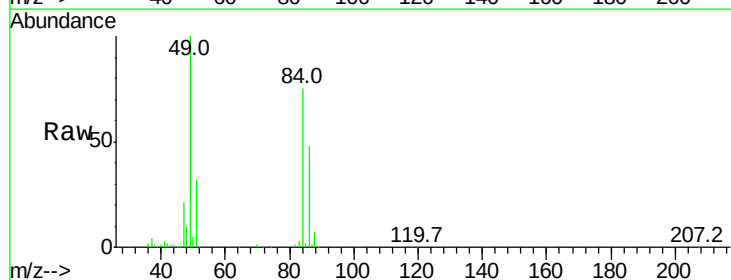
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

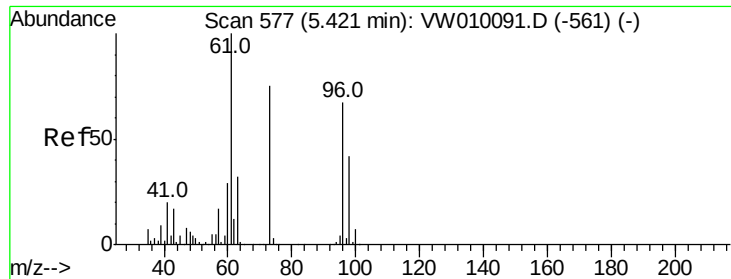
Tgt Ion: 43 Resp: 155541
Ion Ratio Lower Upper
43 100
74 21.1 16.2 24.4



#16
Methylene chloride
Concen: 18.235 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion: 84 Resp: 274735
Ion Ratio Lower Upper
84 100
49 133.6 100.7 187.1
86 64.2 43.8 81.3

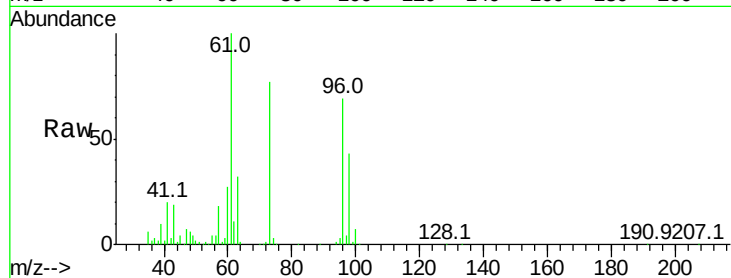




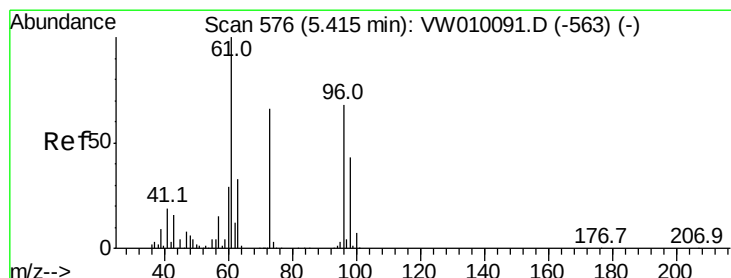
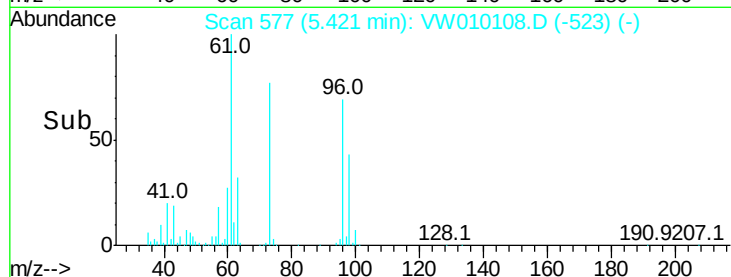
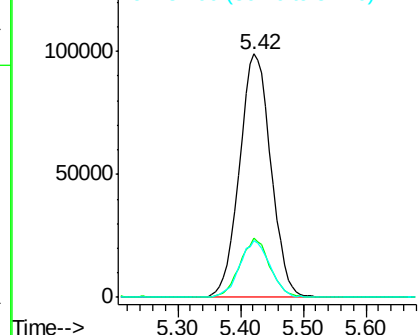
#17
Methyl tert-butyl Ether
Concen: 23.325 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Instrument :
MSVOA_W
ClientSampled :
VSTD02515

Tgt Ion: 73 Resp: 342921
Ion Ratio Lower Upper
73 100
43 23.2 19.4 29.0
57 22.7 18.6 28.0

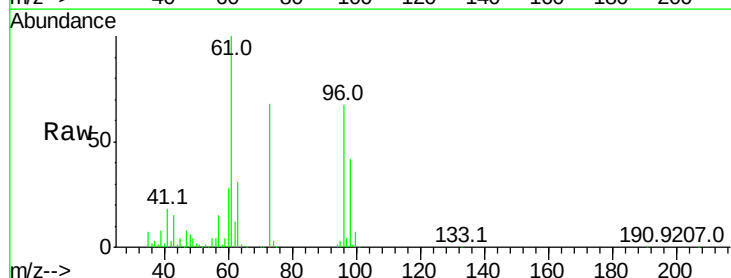


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

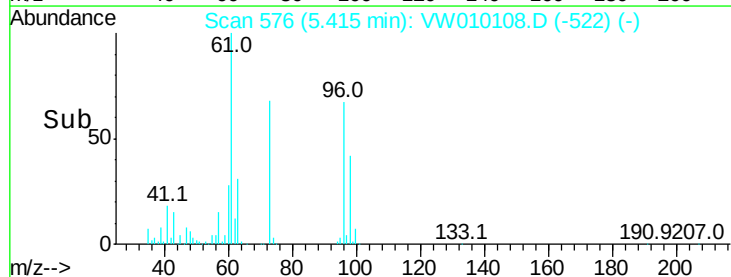
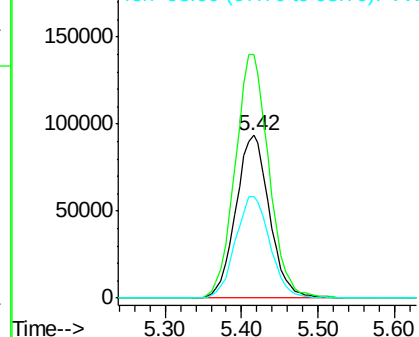


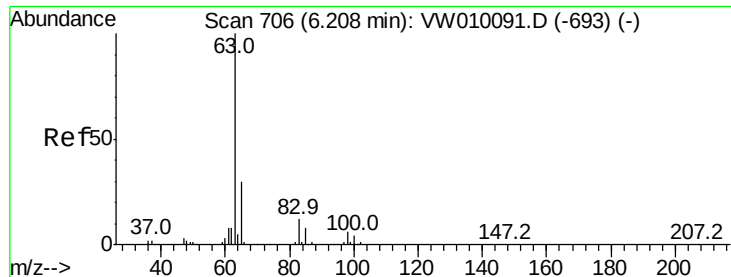
#18
trans-1,2-Dichloroethene
Concen: 25.054 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion: 96 Resp: 284832
Ion Ratio Lower Upper
96 100
61 149.6 104.9 194.9
98 62.1 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

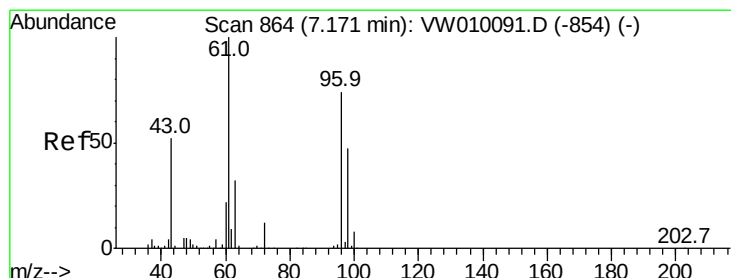
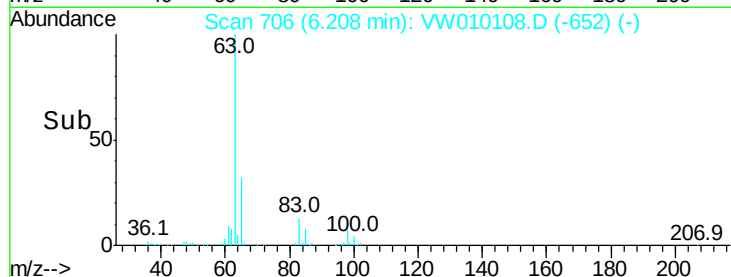
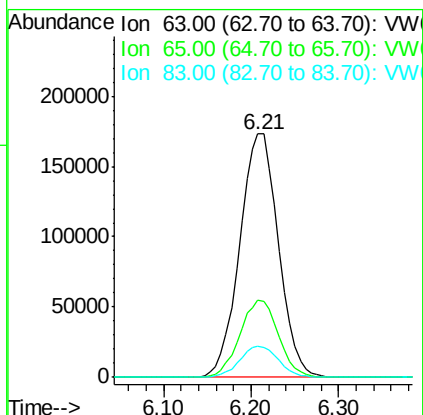
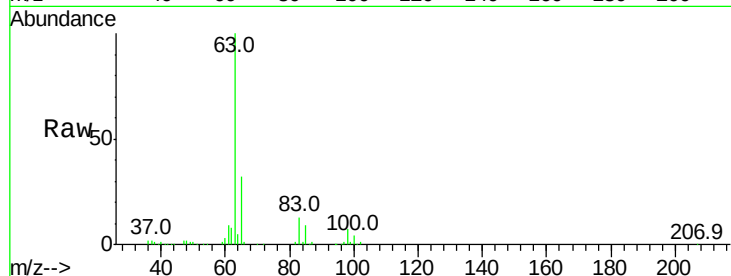




#19
 1,1-Dichloroethane
 Concen: 23.515 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

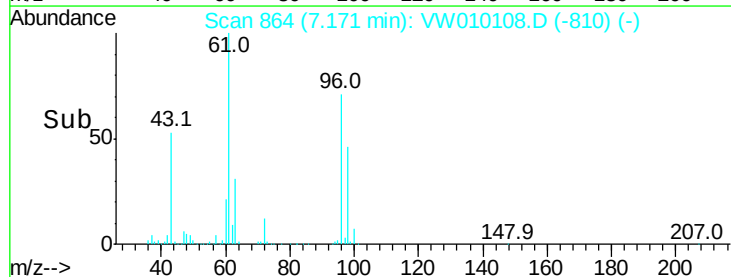
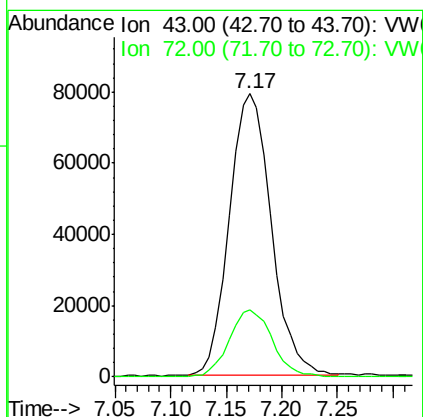
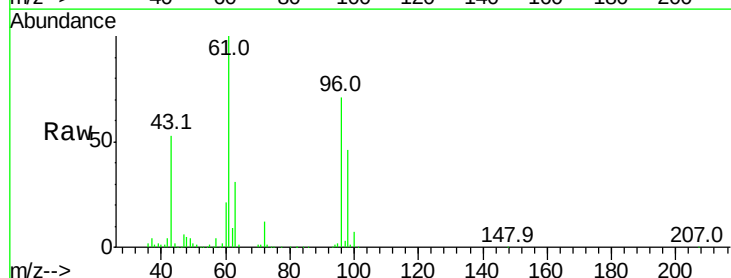
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

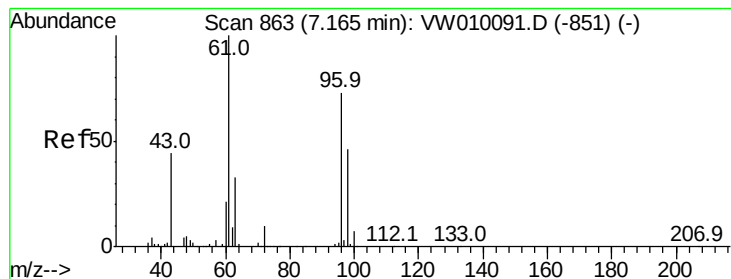
Tgt Ion: 63 Resp: 532878
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 40.0
 83 12.8 9.0 16.6



#21
 2-Butanone
 Concen: 41.728 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

Tgt Ion: 43 Resp: 206671
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.9 35.7



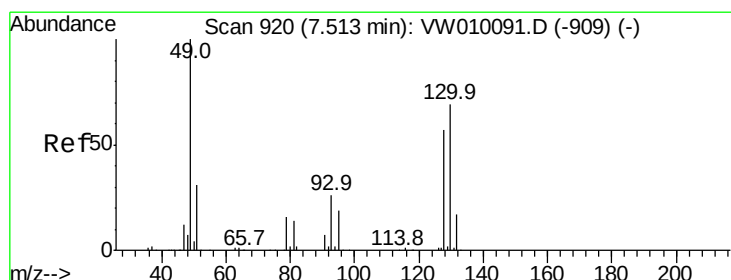
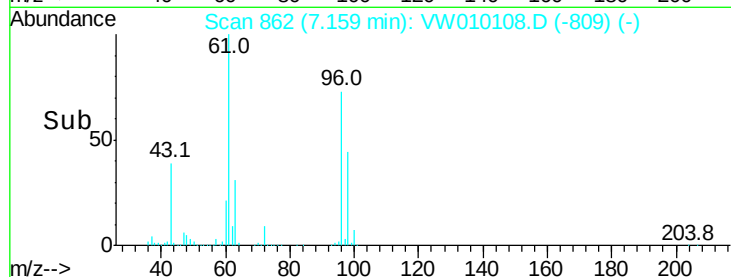
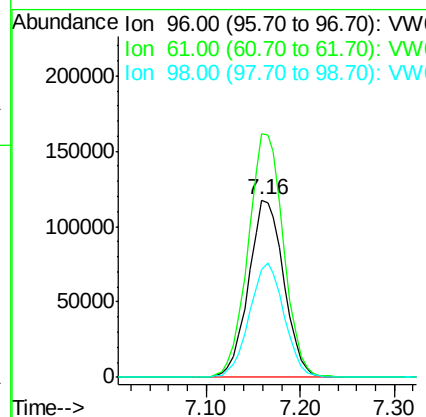
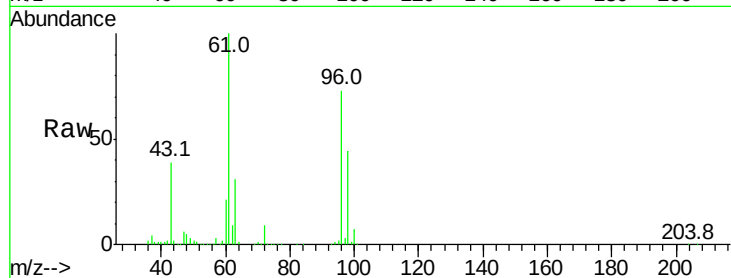


#22

cis-1,2-Dichloroethene
Concen: 24.846 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

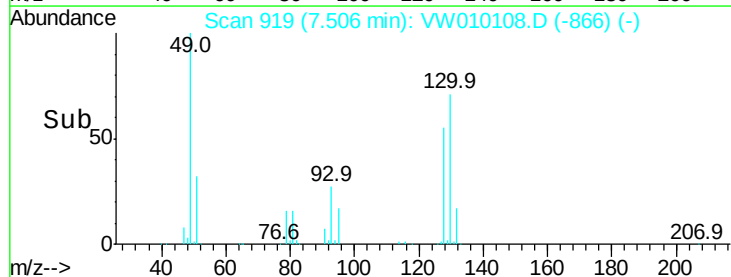
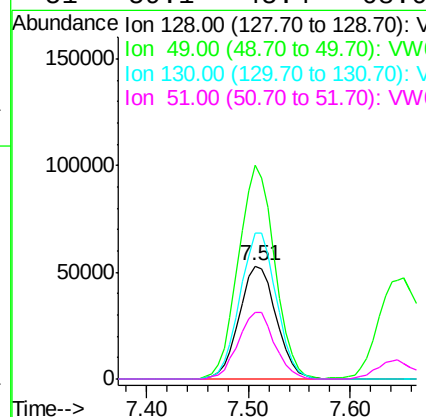
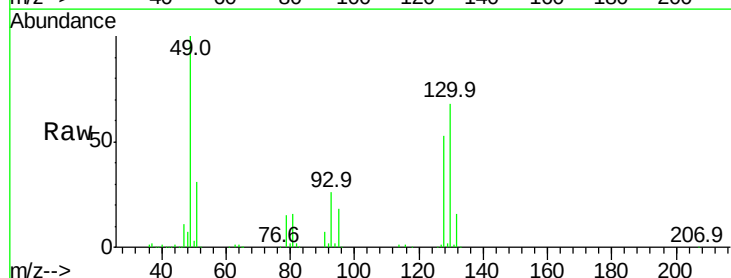
Tgt Ion: 96 Resp: 306540
Ion Ratio Lower Upper
96 100
61 137.2 94.7 175.9
98 60.9 42.8 79.6

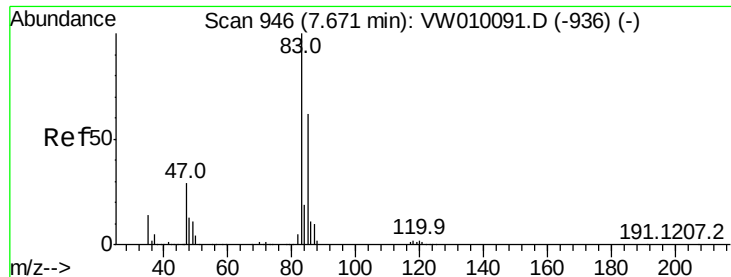


#23

Bromochloromethane
Concen: 23.245 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion: 128 Resp: 133562
Ion Ratio Lower Upper
128 100
49 188.8 132.2 245.4
130 128.9 91.5 169.9
51 59.1 45.4 68.0





#25

Chloroform

Concen: 22.953 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

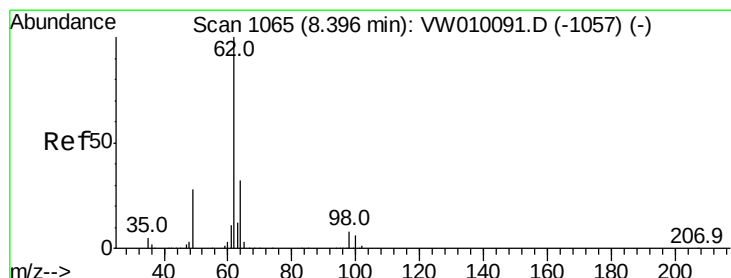
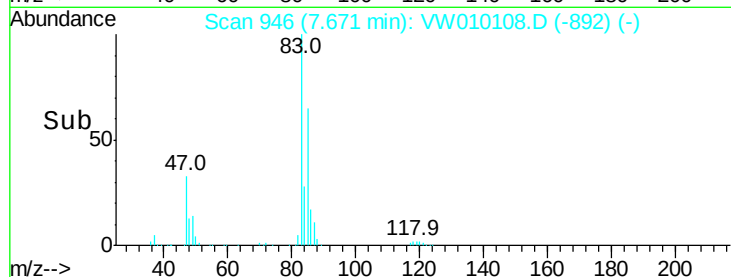
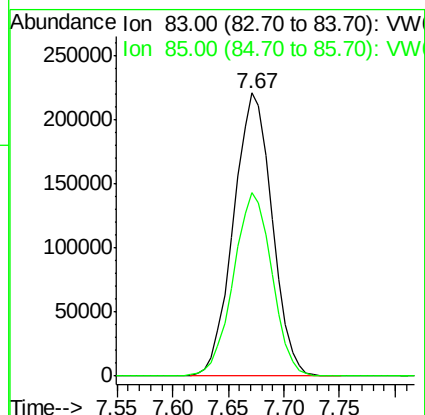
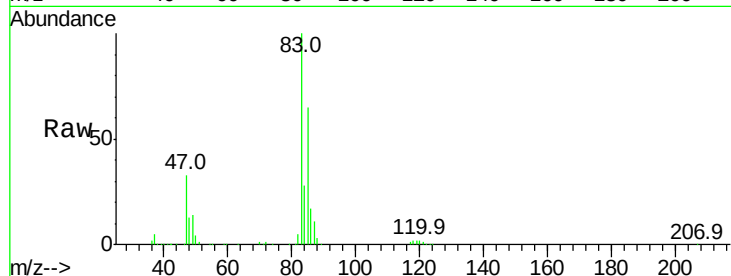
VSTD02515

Tgt Ion: 83 Resp: 532230

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5



#27

1,2-Dichloroethane

Concen: 21.502 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010108.D

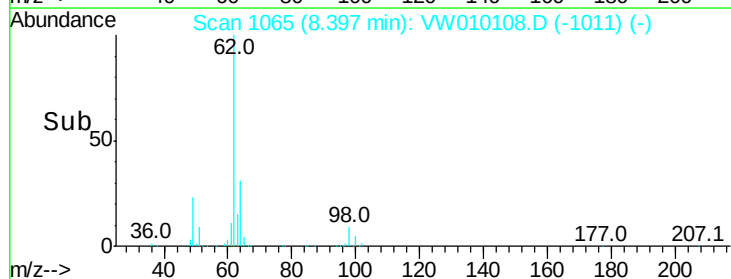
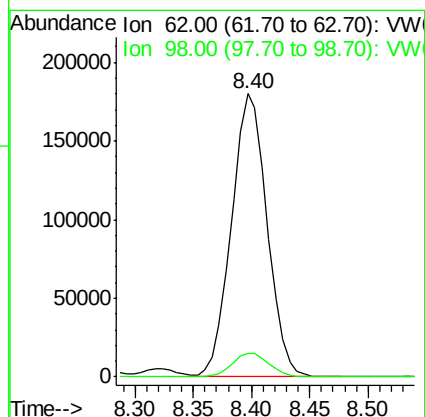
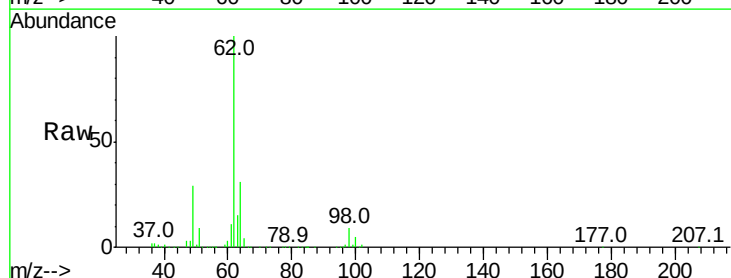
Acq: 24 Apr 2019 10:57

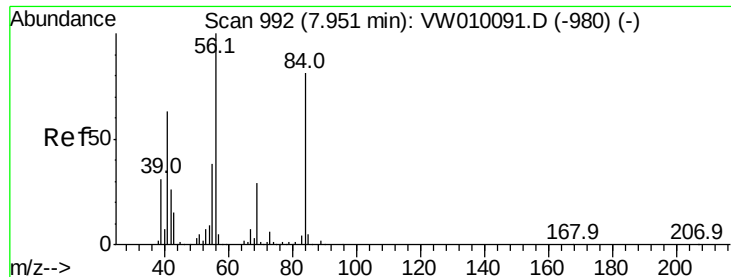
Tgt Ion: 62 Resp: 383857

Ion Ratio Lower Upper

62 100

98 8.5 6.6 10.0

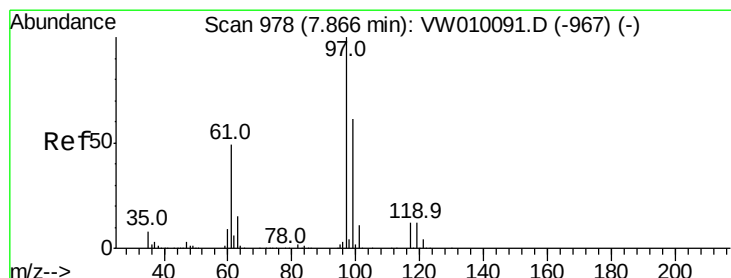
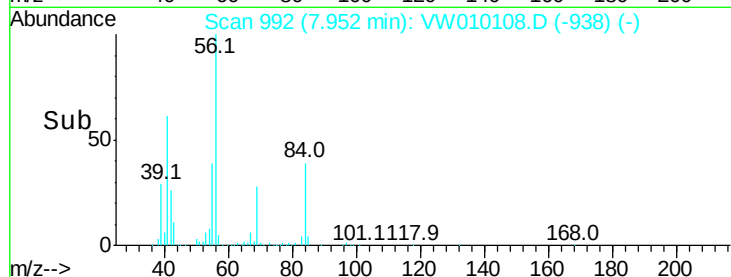
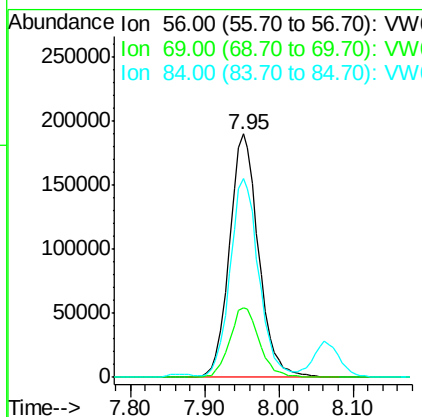
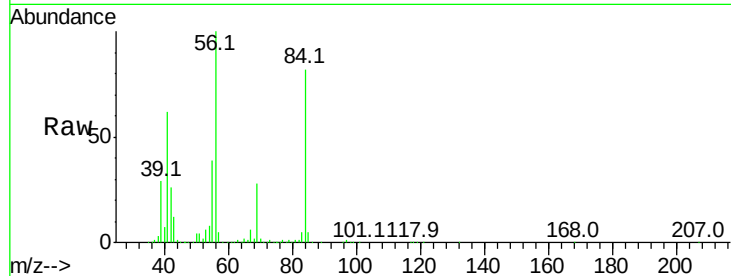




#30
Cyclohexane
Concen: 30.039 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

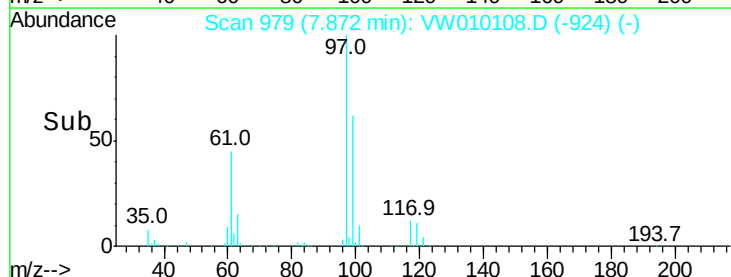
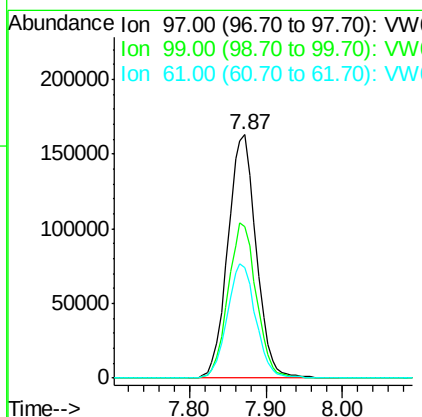
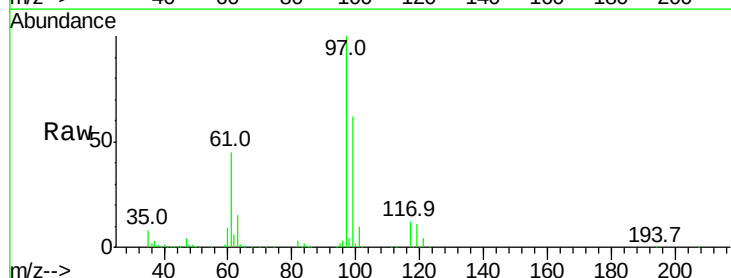
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

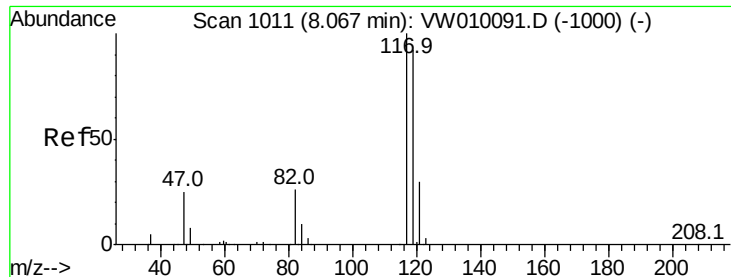
Tgt Ion: 56 Resp: 518768
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.0
84 81.0 65.5 98.3



#31
1,1,1-Trichloroethane
Concen: 26.188 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion: 97 Resp: 417906
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 47.1 39.3 58.9





#32

Carbon tetrachloride

Concen: 26.069 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

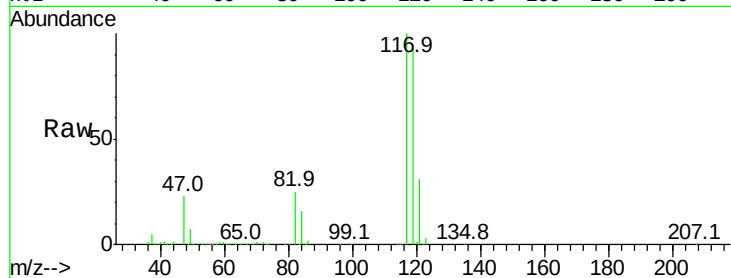
VSTD02515

Tgt Ion:117 Resp: 408447

Ion Ratio Lower Upper

117 100

119 95.1 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

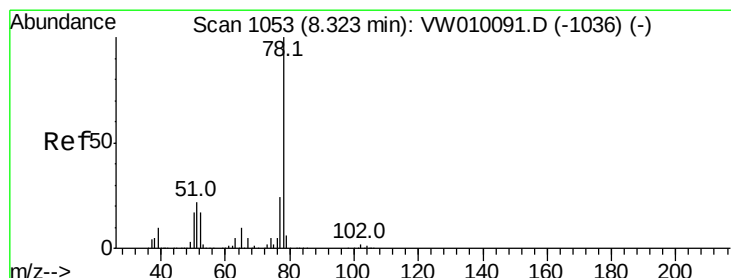
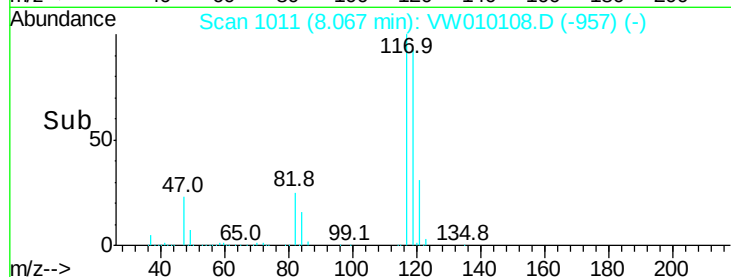
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.006 ug/L

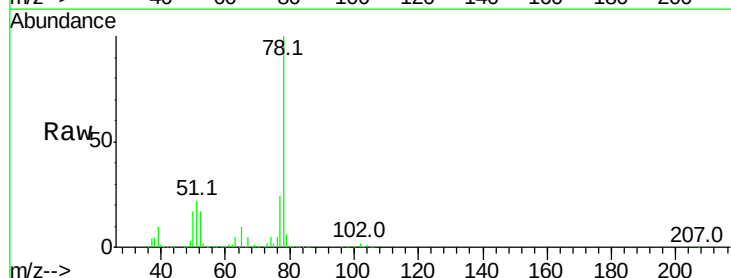
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Tgt Ion: 78 Resp: 1170652



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

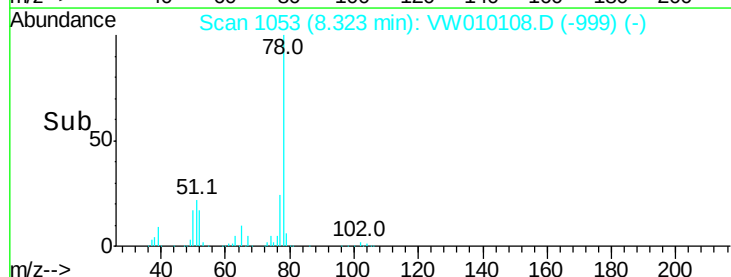
200000

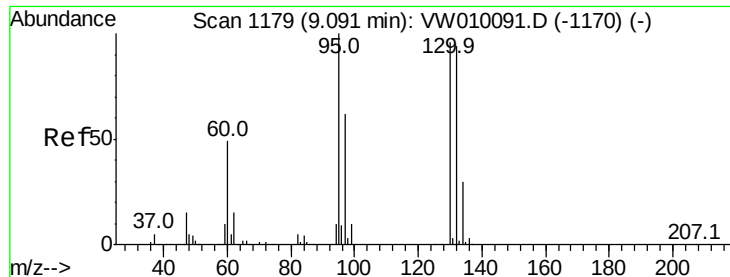
100000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.872 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion: 95 Resp: 302811

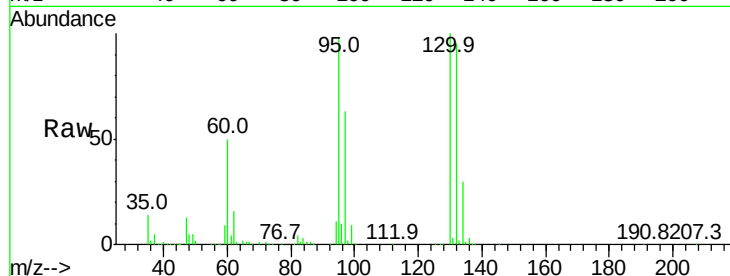
Ion Ratio Lower Upper

95 100

97 64.5 45.3 84.1

132 96.0 65.6 121.8

130 100.0 68.5 127.3



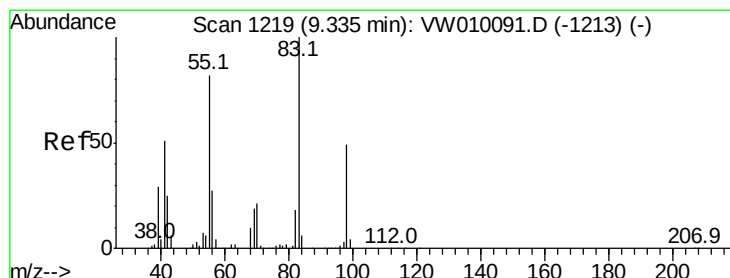
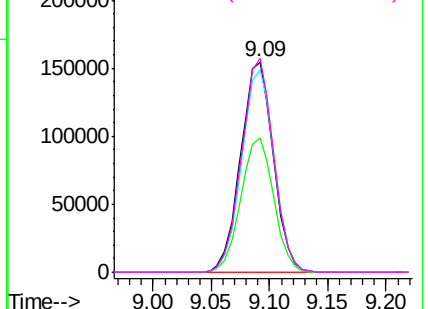
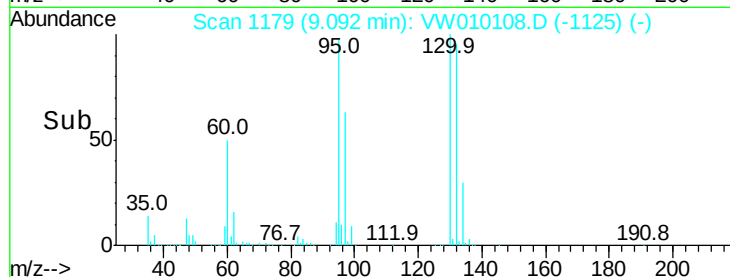
Abundance

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: 27.842 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

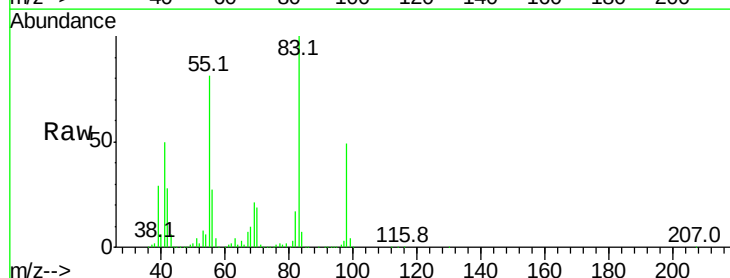
Tgt Ion: 83 Resp: 523560

Ion Ratio Lower Upper

83 100

55 83.3 68.4 102.6

98 48.9 40.0 60.0

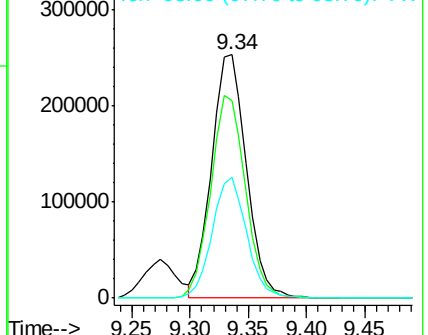
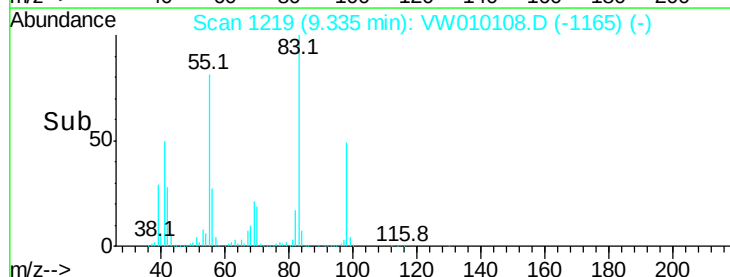


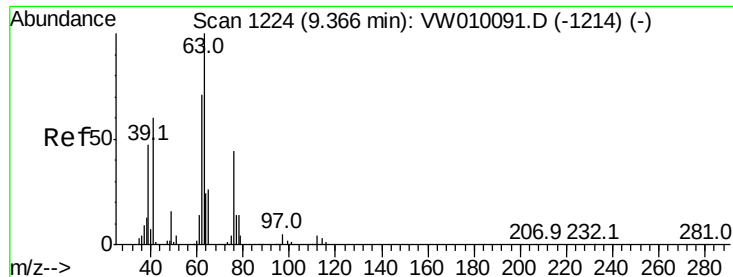
Abundance

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

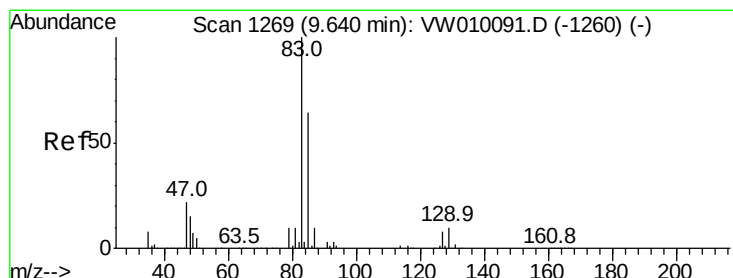
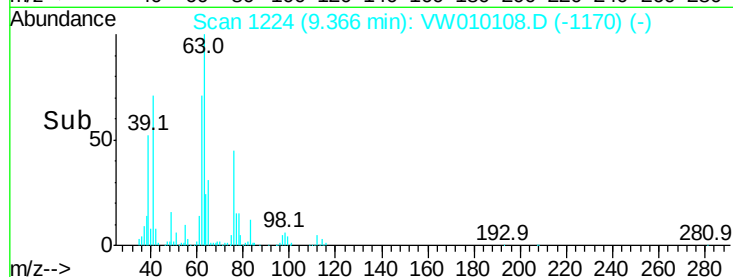
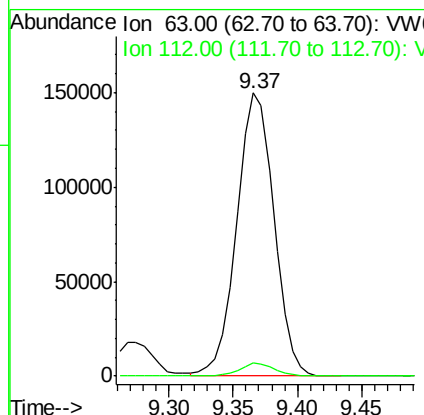
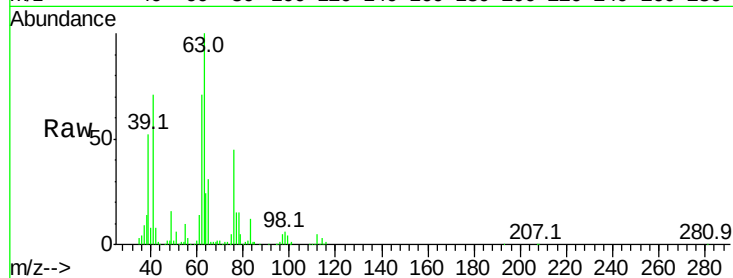




#40
 1,2-Dichloropropane
 Concen: 25.226 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

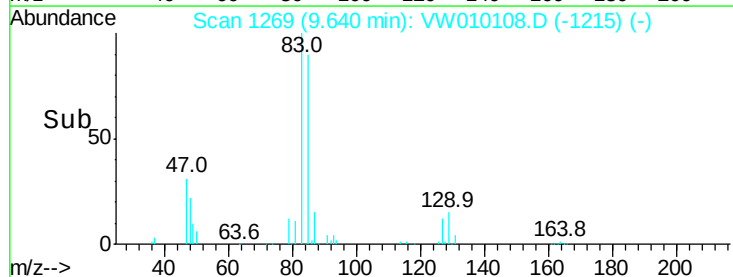
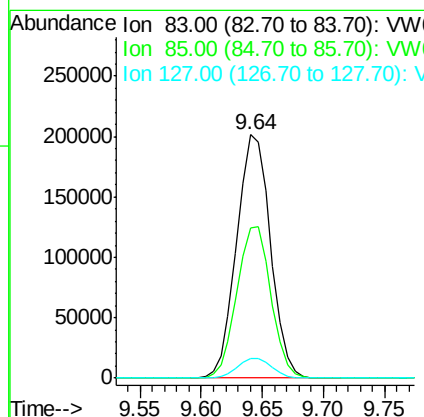
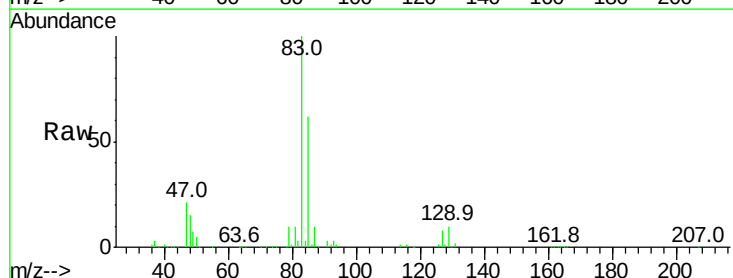
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

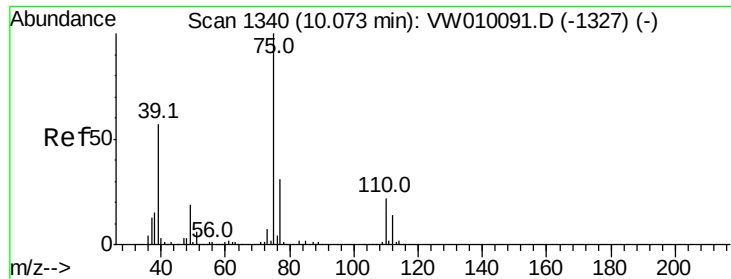
Tgt Ion: 63 Resp: 300308
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 23.800 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

Tgt Ion: 83 Resp: 386819
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.1 83.9
 127 8.1 6.1 9.1





#42

cis-1,3-Dichloropropene

Concen: 25.855 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

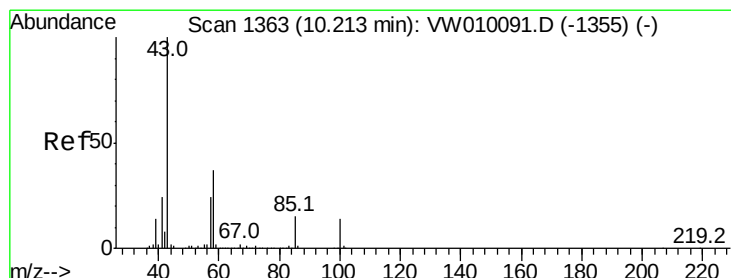
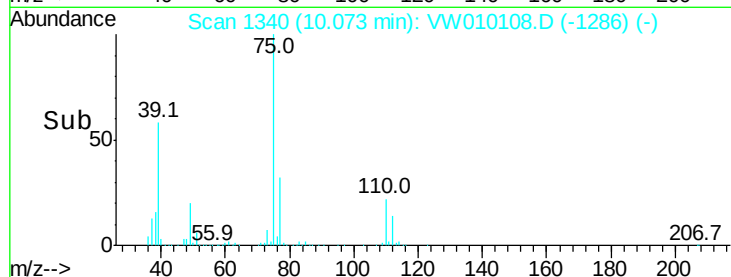
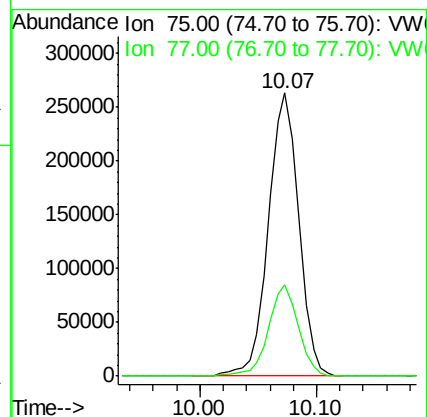
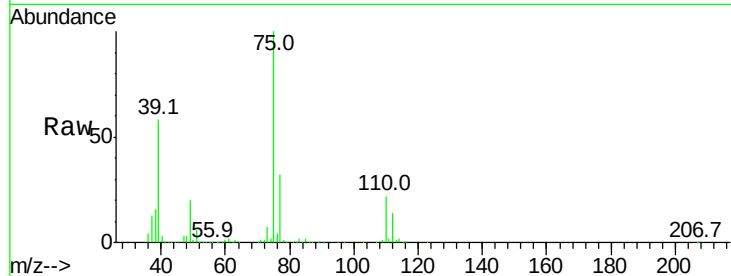
VSTD02515

Tgt Ion: 75 Resp: 474534

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 46.080 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

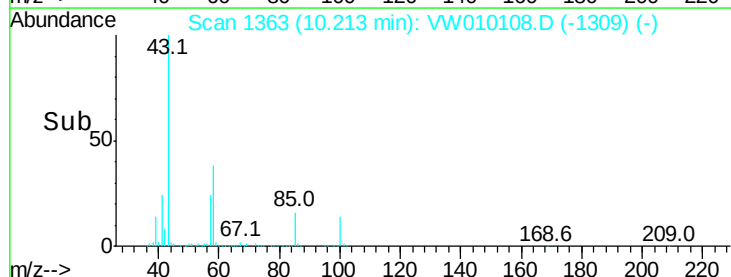
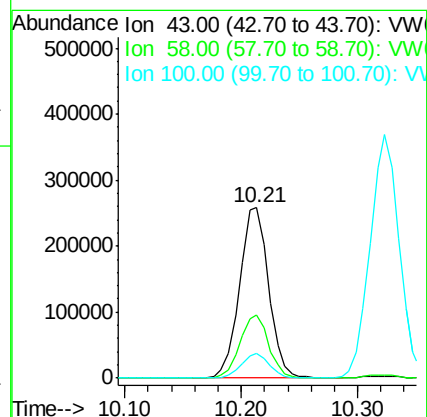
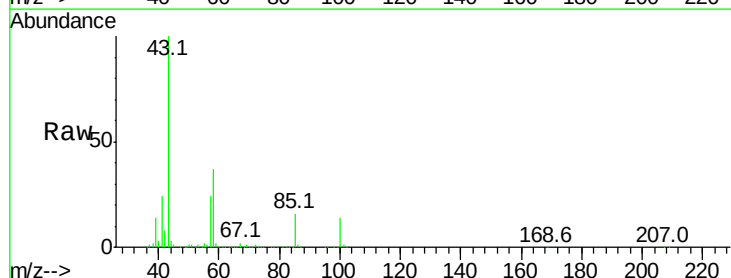
Tgt Ion: 43 Resp: 451797

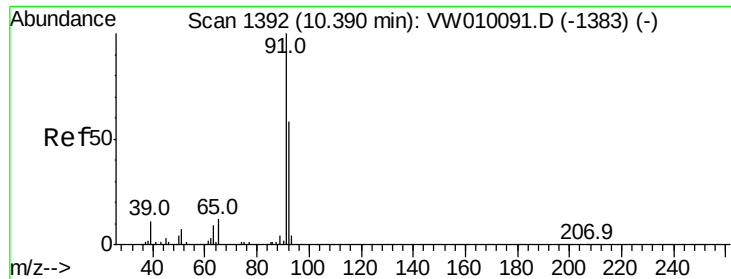
Ion Ratio Lower Upper

43 100

58 36.7 27.9 41.9

100 14.0 10.5 15.7





#44

Toluene

Concen: 26.098 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

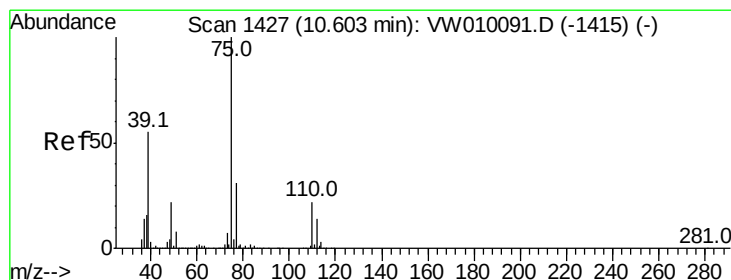
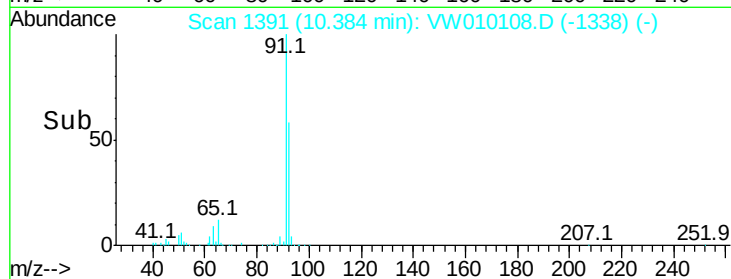
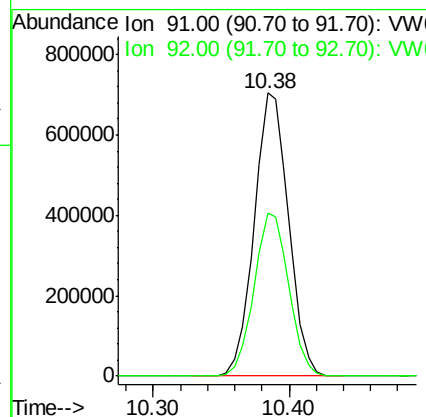
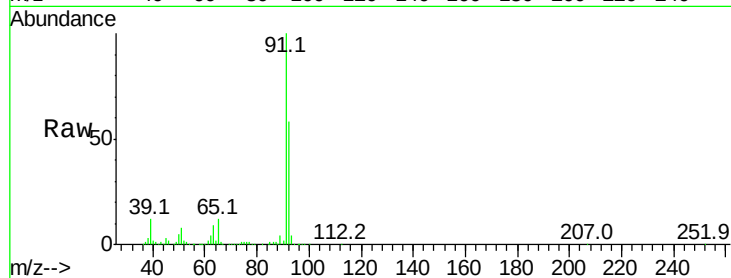
VSTD02515

Tgt Ion: 91 Resp: 1246304

Ion Ratio Lower Upper

91 100

92 57.6 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.161 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010108.D

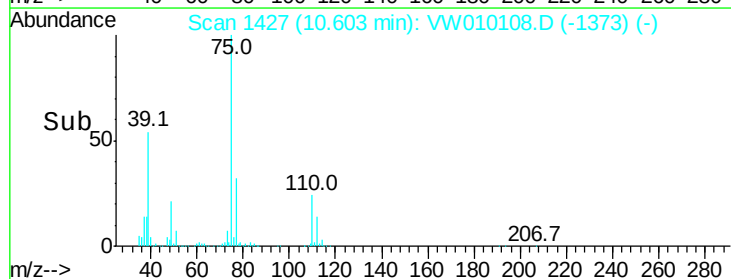
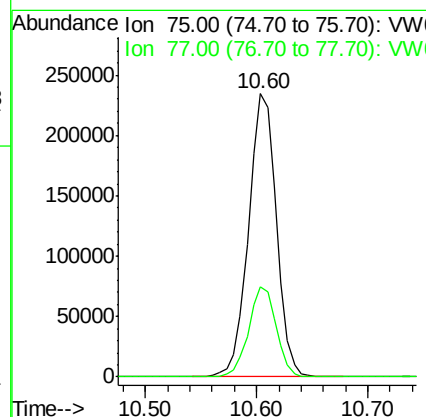
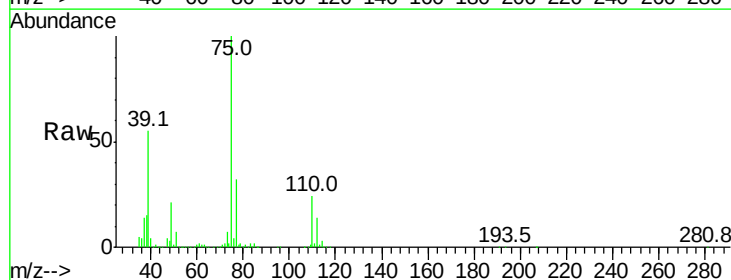
Acq: 24 Apr 2019 10:57

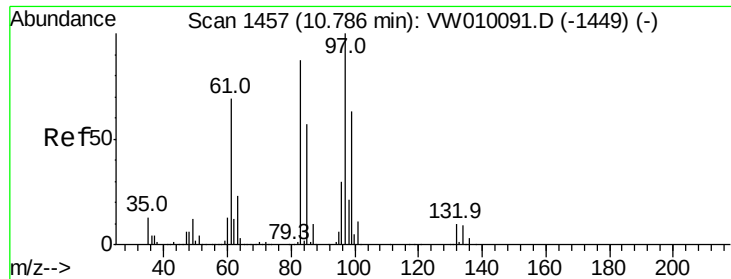
Tgt Ion: 75 Resp: 407756

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 23.161 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion: 97 Resp: 215034

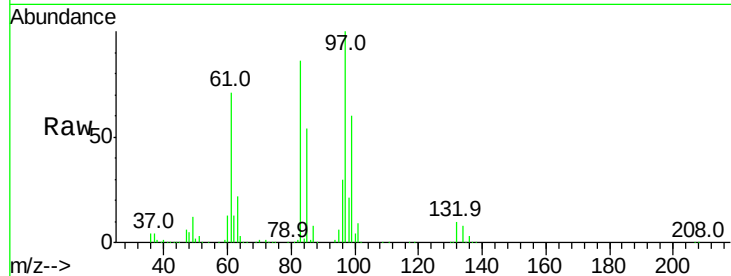
Ion Ratio Lower Upper

97 100

83 85.7 59.1 109.7

85 54.3 39.3 73.1

99 60.2 43.6 81.0

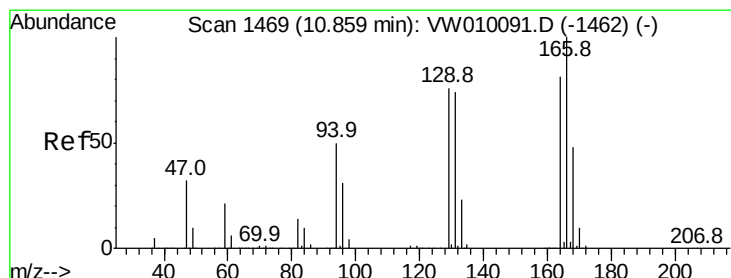
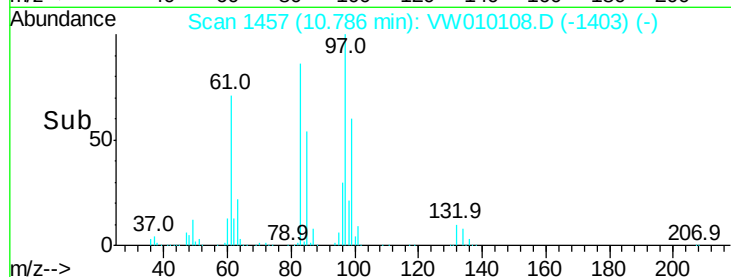
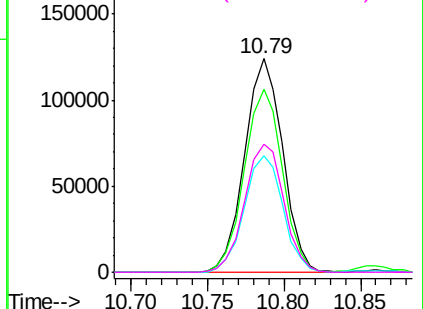


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.771 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Tgt Ion: 164 Resp: 235606

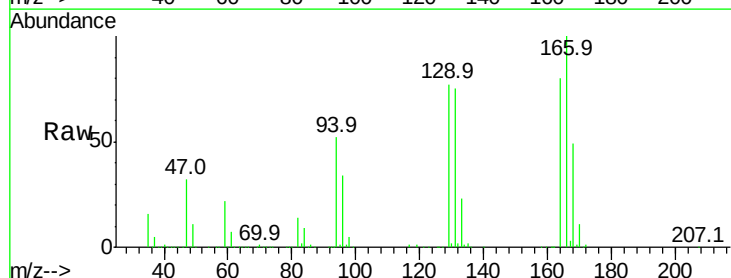
Ion Ratio Lower Upper

164 100

129 95.9 66.8 124.2

131 93.6 65.2 121.0

166 124.8 89.0 165.2

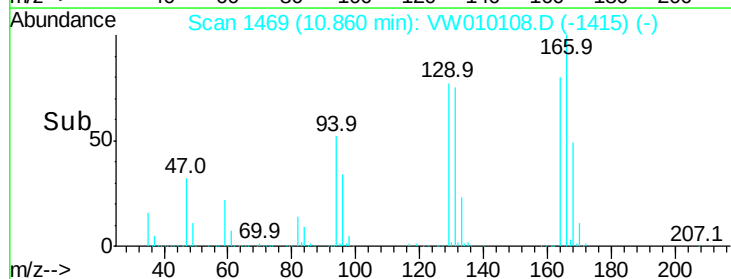
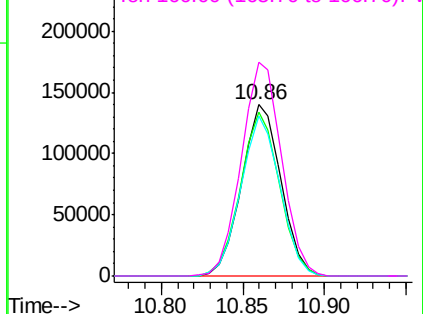


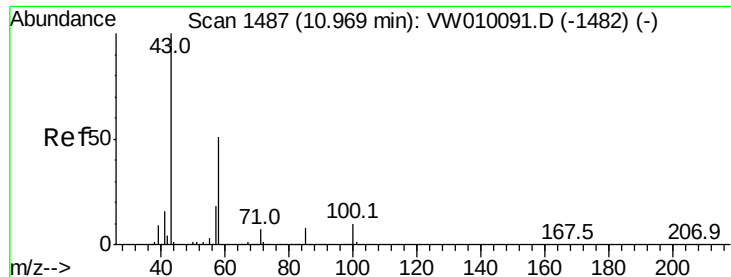
Abundance Ion 164.00 (163.70 to 164.70): V

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

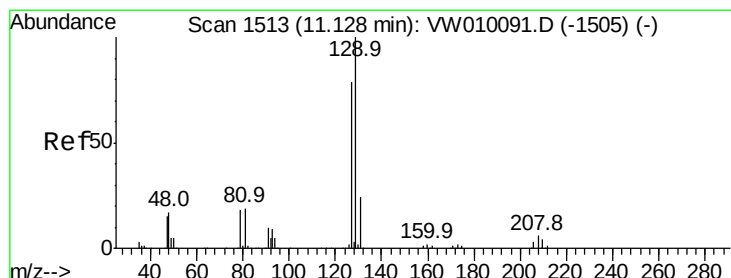
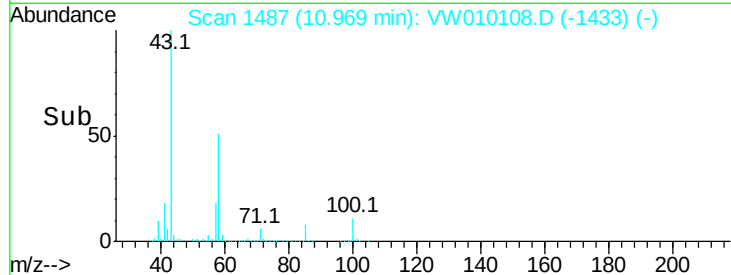
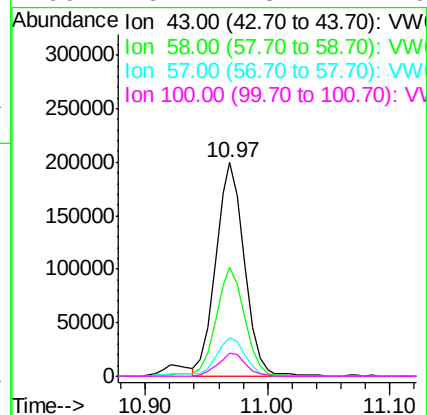
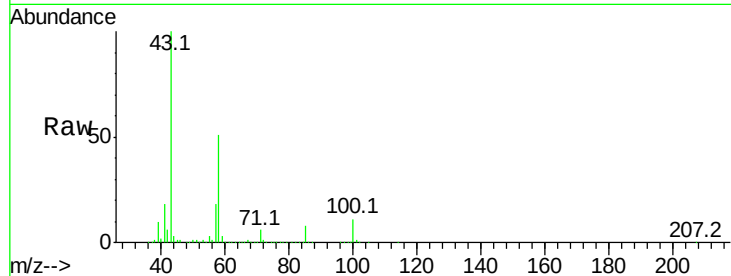




#49
2-Hexanone
Concen: 46.508 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

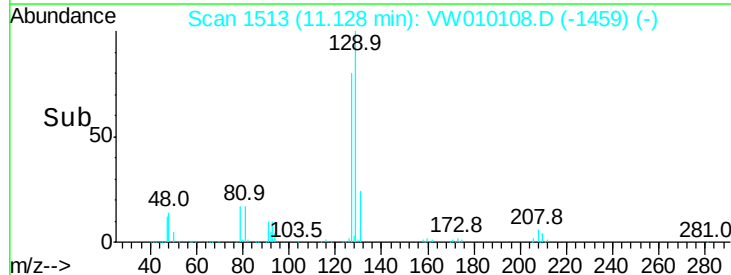
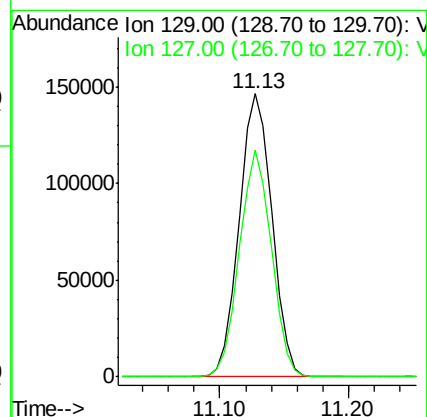
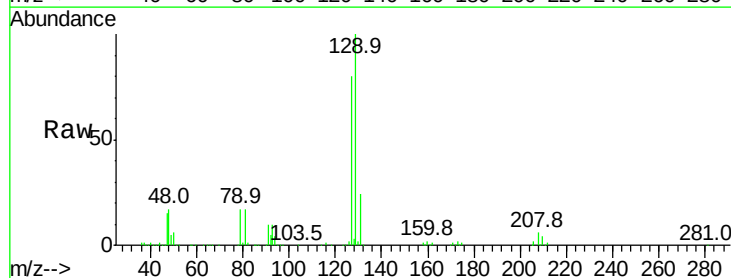
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

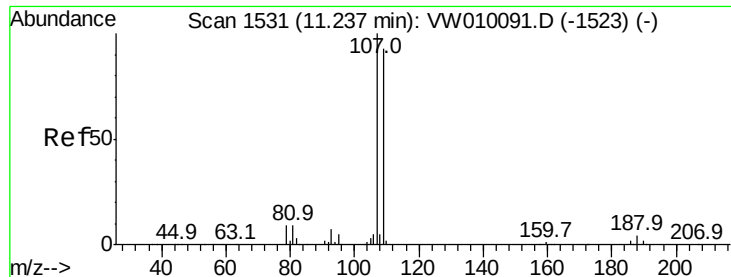
Tgt Ion: 43 Resp: 323950
Ion Ratio Lower Upper
43 100
58 49.9 39.8 59.8
57 17.9 14.1 21.1
100 10.7 8.4 12.6



#50
Dibromochloromethane
Concen: 23.412 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion: 129 Resp: 258010
Ion Ratio Lower Upper
129 100
127 80.1 53.5 99.3

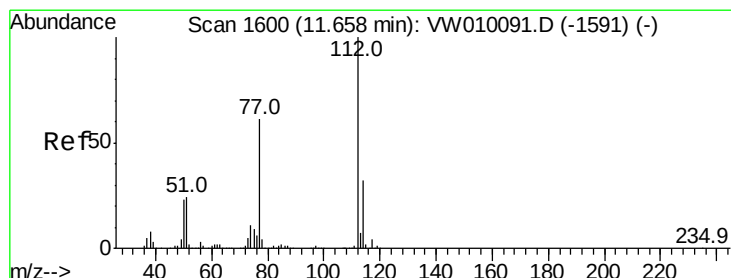
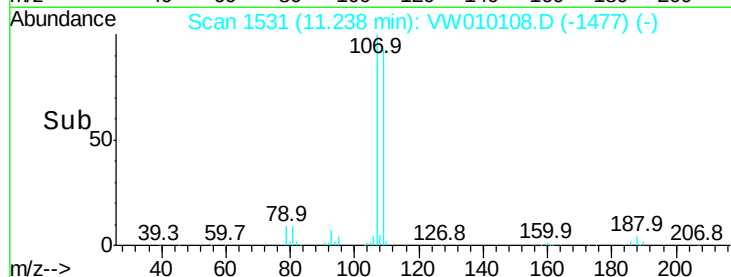
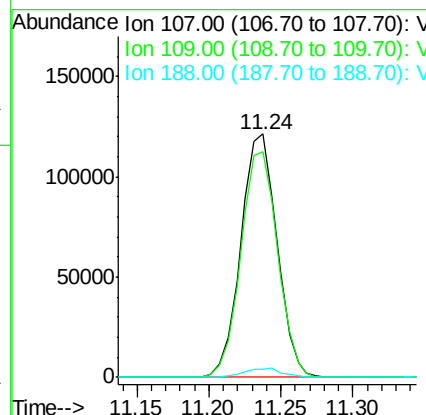
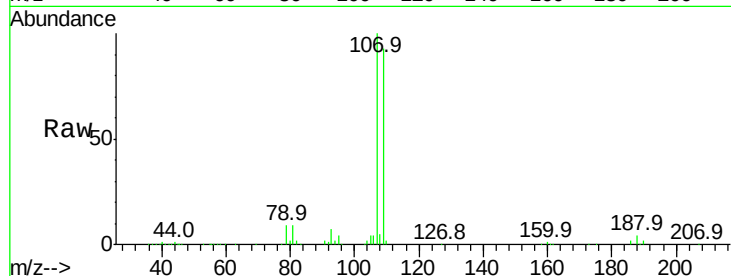




#51
 1,2-Dibromoethane
 Concen: 23.284 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

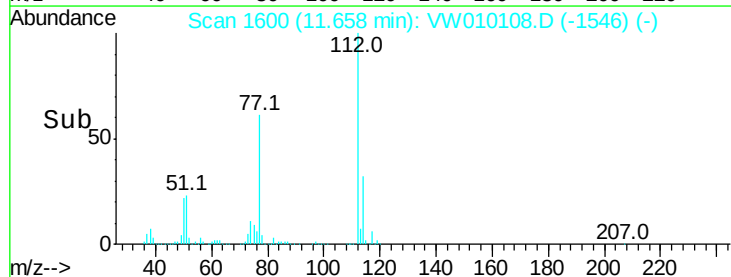
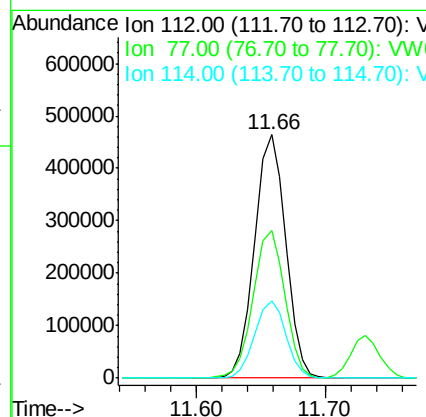
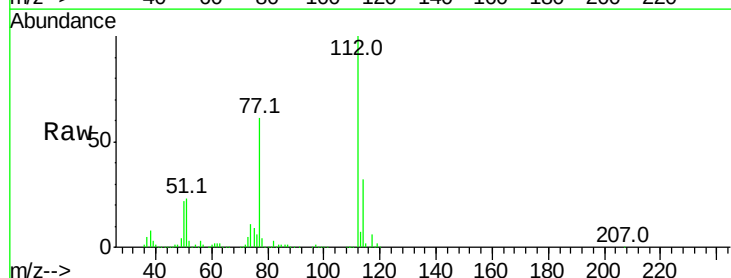
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

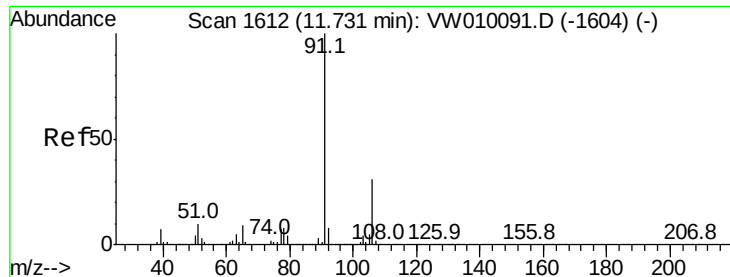
Tgt Ion:107 Resp: 211611
 Ion Ratio Lower Upper
 107 100
 109 92.7 66.4 123.4
 188 3.6 2.7 4.1



#52
 Chlorobenzene
 Concen: 24.816 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

Tgt Ion:112 Resp: 773309
 Ion Ratio Lower Upper
 112 100
 77 60.8 50.2 75.4
 114 31.8 22.7 42.3

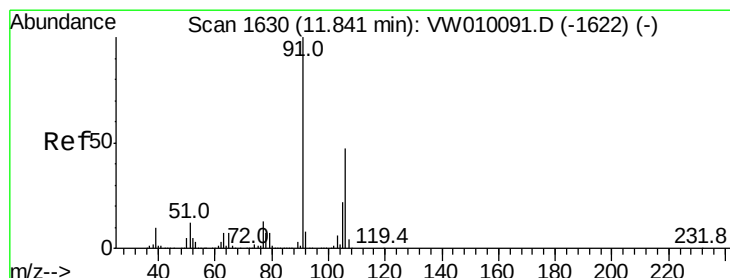
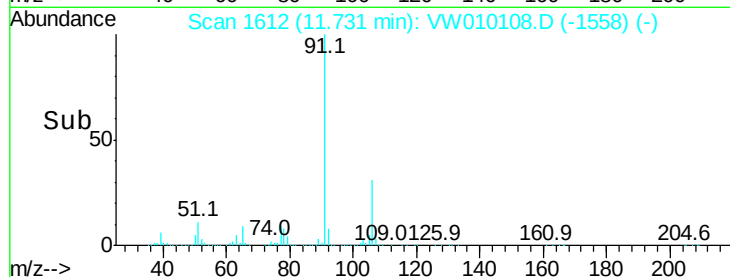
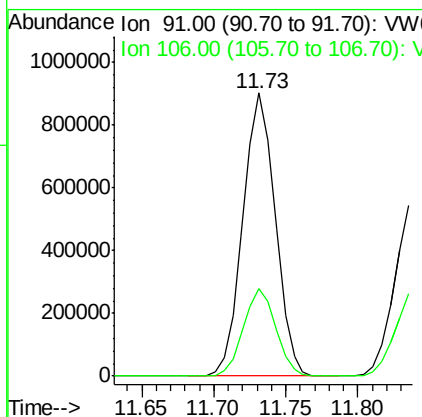
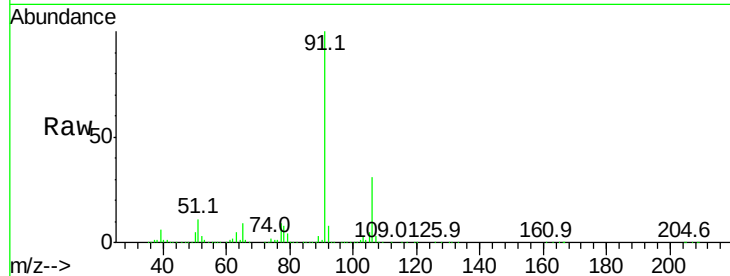




#53
Ethylbenzene
Concen: 26.389 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

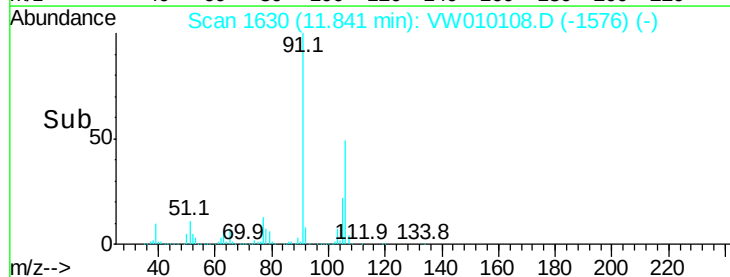
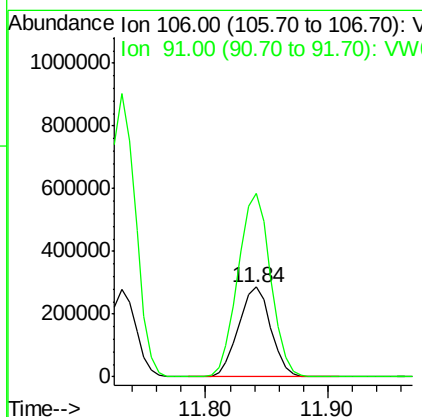
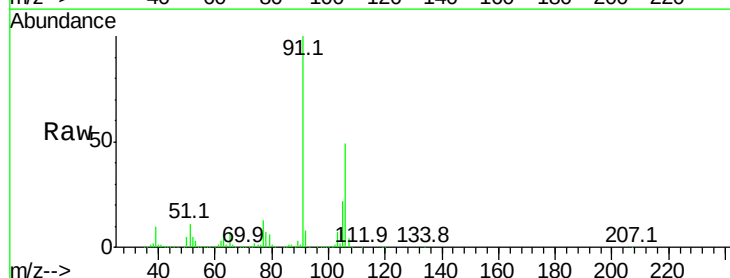
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

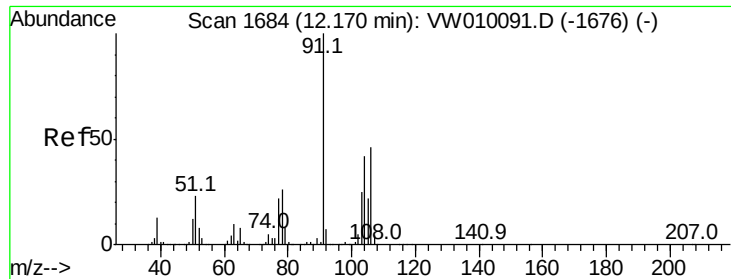
Tgt Ion: 91 Resp: 1408537
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4



#54
m,p-Xylene
Concen: 26.934 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion: 106 Resp: 525859
Ion Ratio Lower Upper
106 100
91 204.9 143.4 266.2

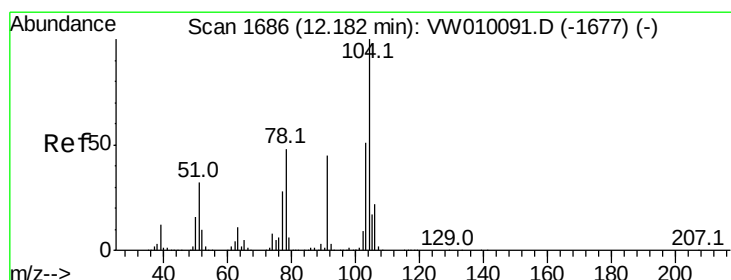
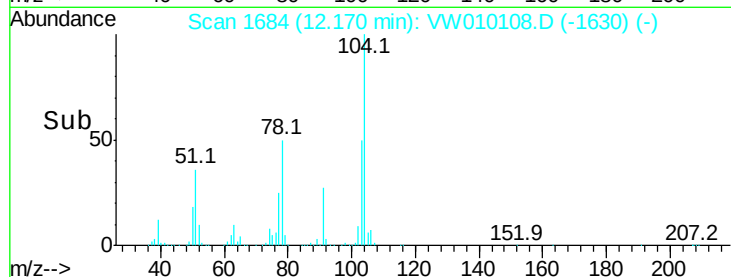
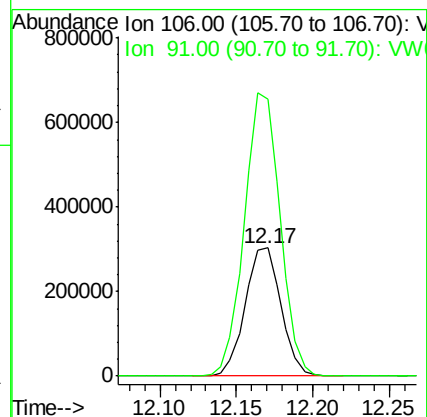
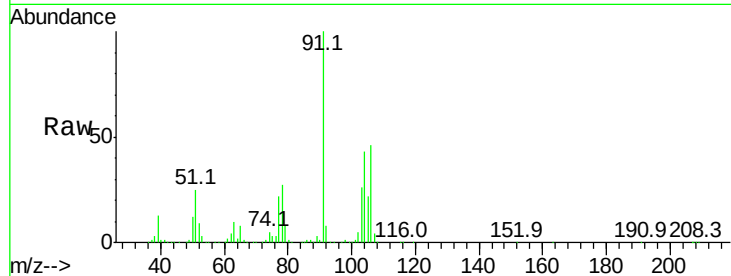




#55
o-xylene
Concen: 26.338 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

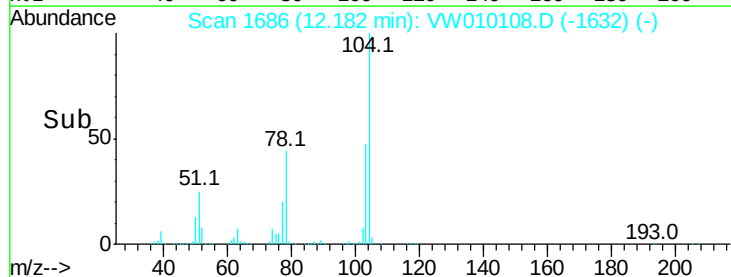
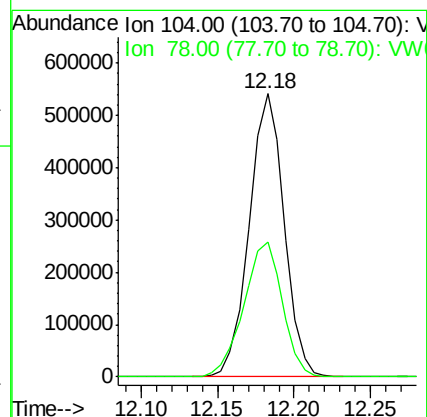
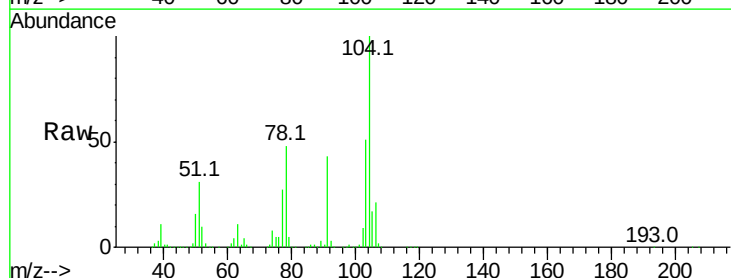
Instrument :
MSVOA_W
ClientSampled :
VSTD02515

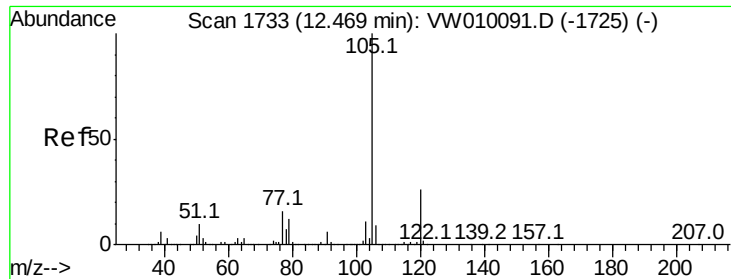
Tgt Ion:106 Resp: 493195
Ion Ratio Lower Upper
106 100
91 216.3 152.2 282.7



#56
Styrene
Concen: 26.212 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion:104 Resp: 859253
Ion Ratio Lower Upper
104 100
78 47.7 32.7 60.7





#57

Isopropylbenzene

Concen: 27.281 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

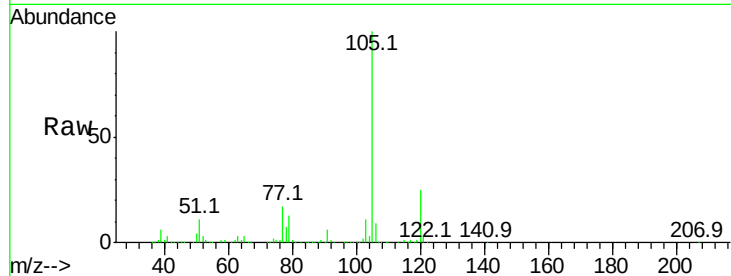
Tgt Ion:105 Resp: 1360680

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

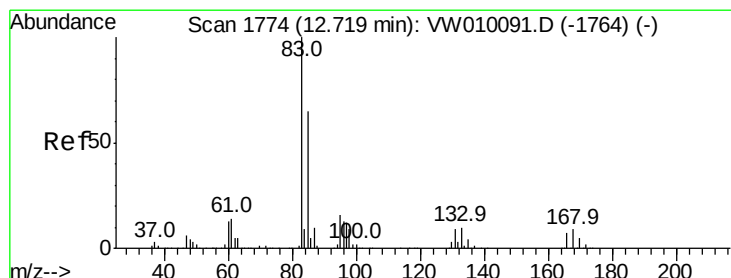
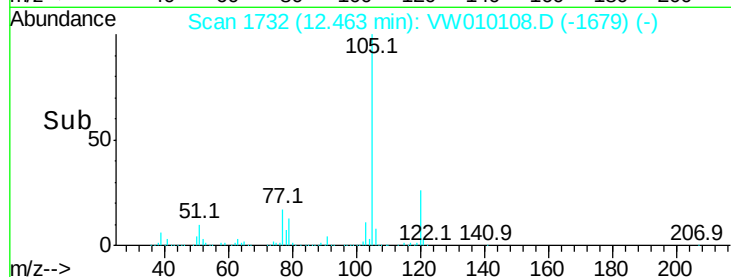
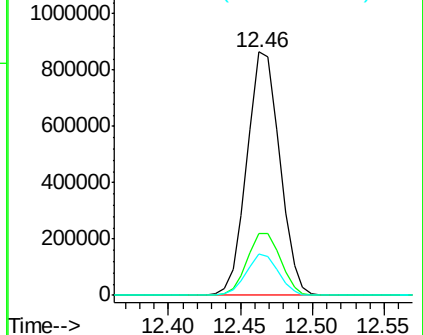
77 16.6 13.4 20.2



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: 21.956 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

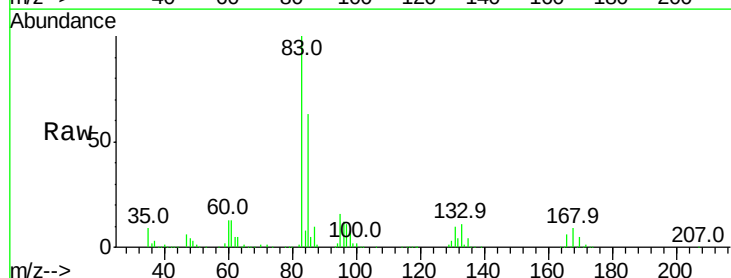
Tgt Ion: 83 Resp: 268163

Ion Ratio Lower Upper

83 100

85 63.2 44.1 81.9

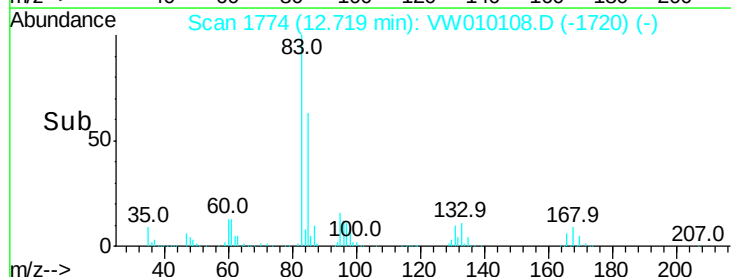
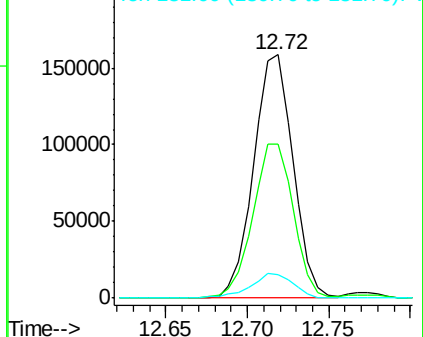
131 9.8 8.3 12.5

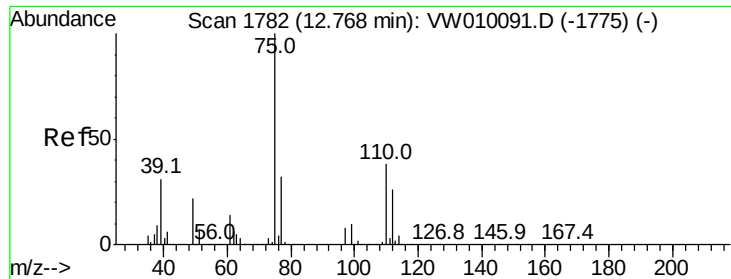


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.787 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

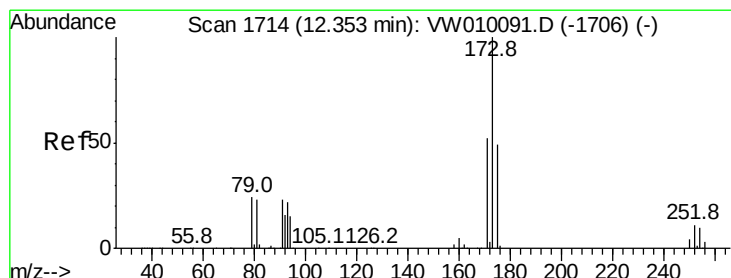
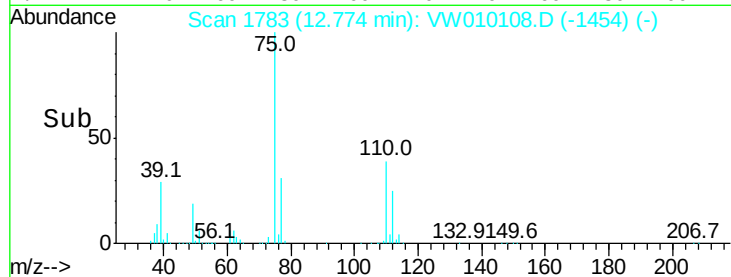
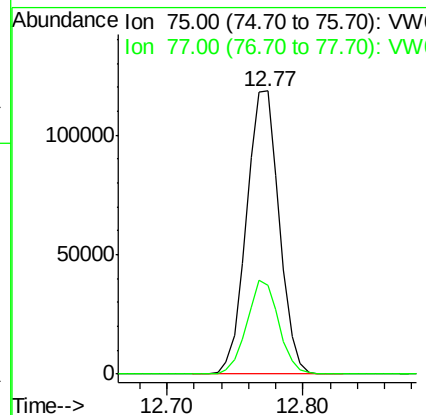
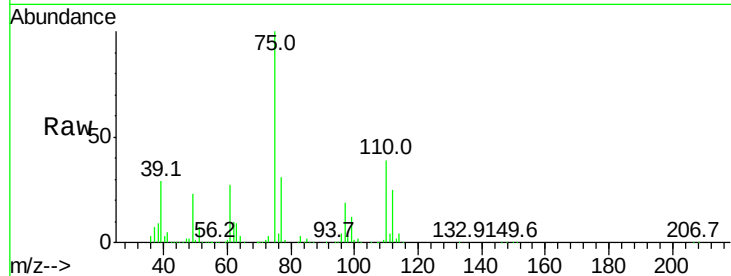
VSTD02515

Tgt Ion: 75 Resp: 199143

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6



#62

Bromoform

Concen: 22.480 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010108.D

Acq: 24 Apr 2019 10:57

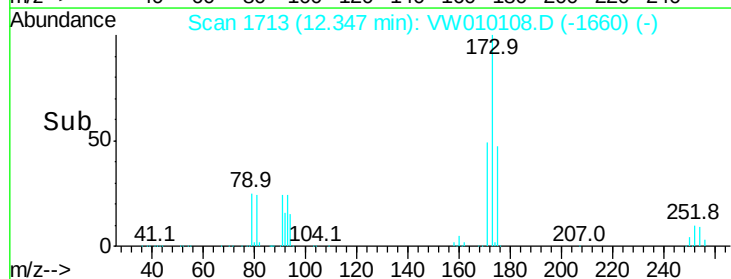
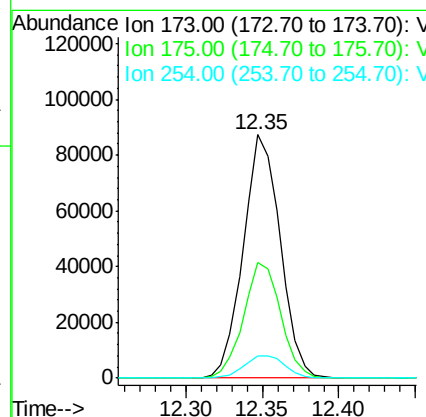
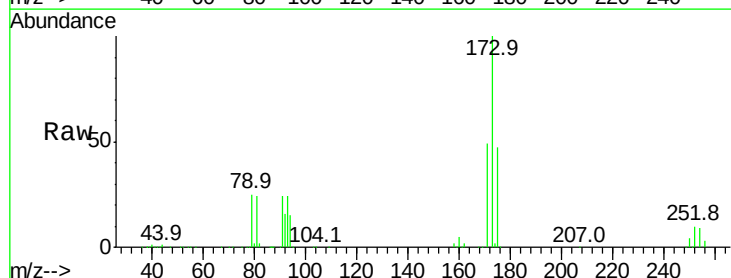
Tgt Ion: 173 Resp: 146707

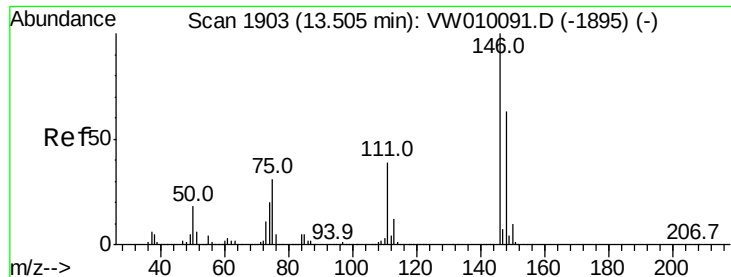
Ion Ratio Lower Upper

173 100

175 47.8 38.4 57.6

254 9.9 7.7 11.5

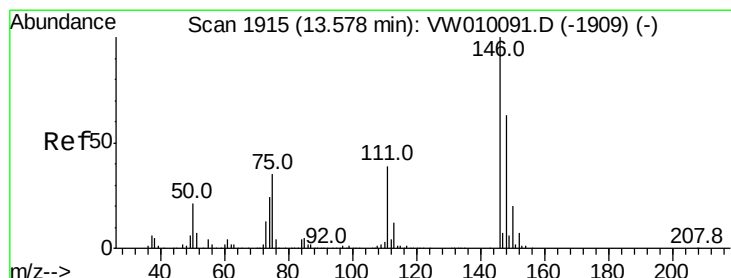
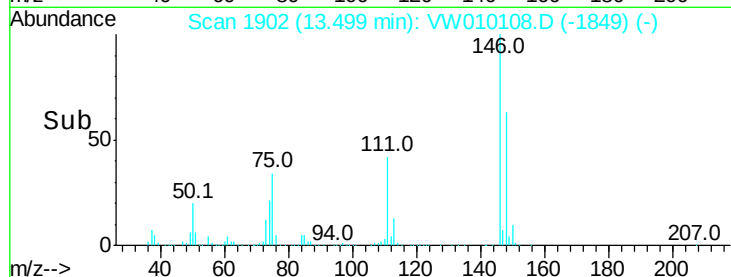
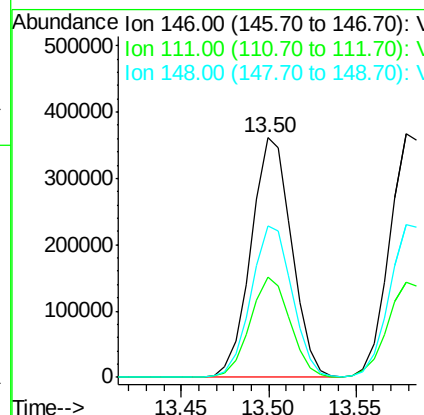
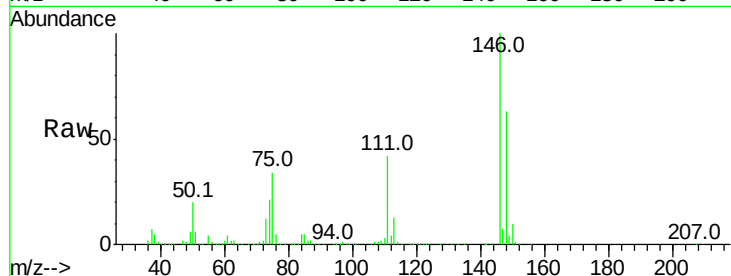




#63
 1,3-Dichlorobenzene
 Concen: 25.985 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

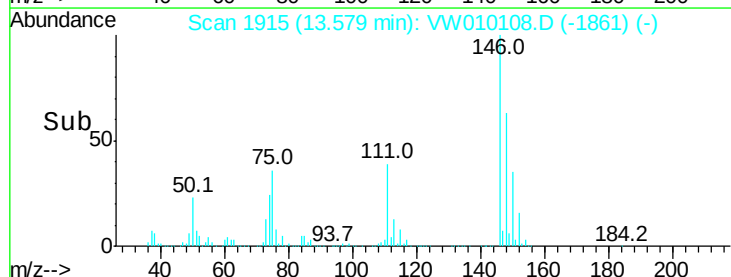
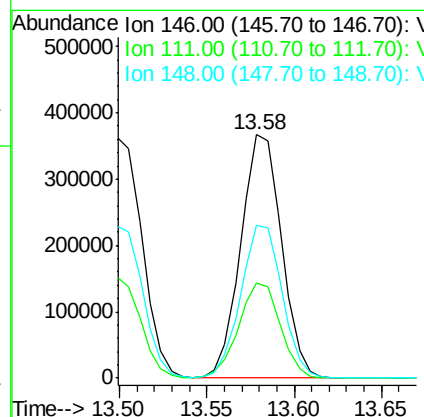
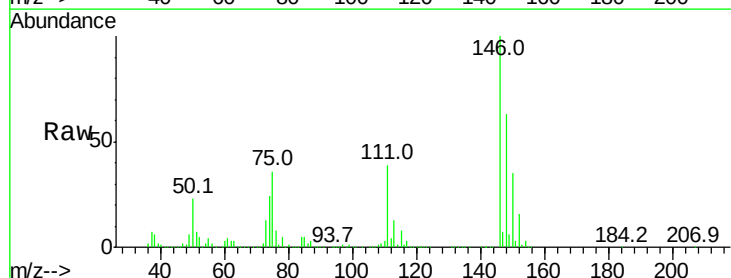
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

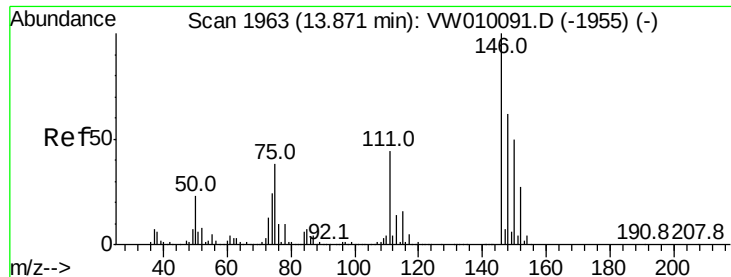
Tgt Ion:146 Resp: 583431
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.3 54.3
 148 63.4 44.1 81.9



#64
 1,4-Dichlorobenzene
 Concen: 24.756 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

Tgt Ion:146 Resp: 597294
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.0 52.0
 148 62.7 44.1 81.9

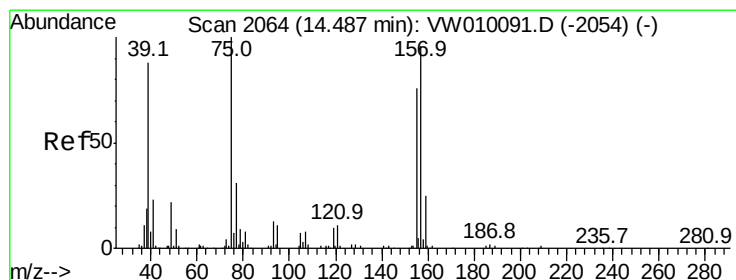
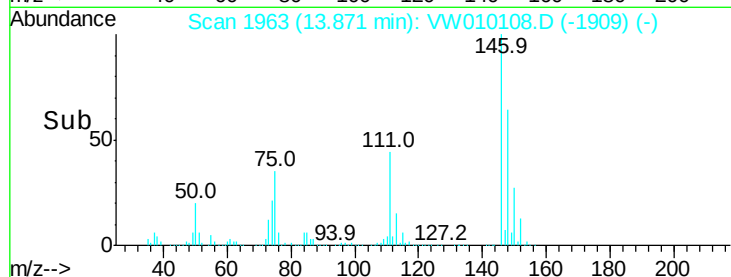
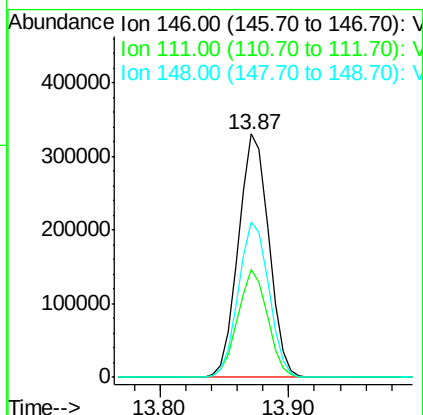
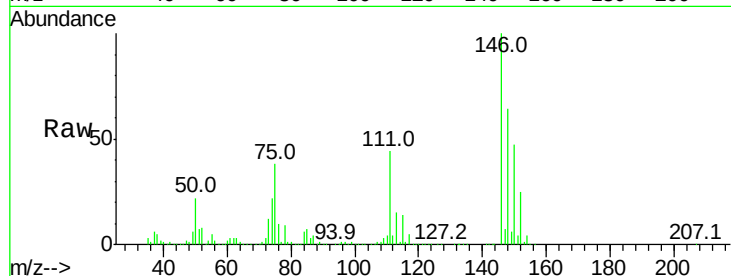




#65
 1,2-Dichlorobenzene
 Concen: 24.585 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

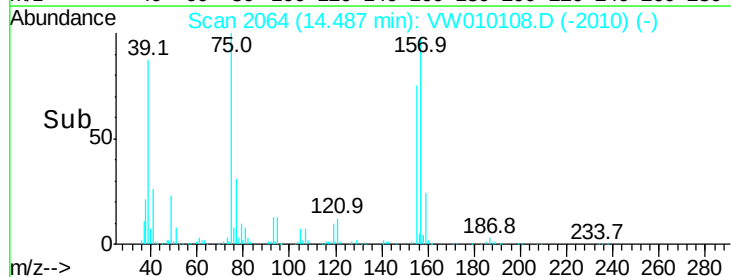
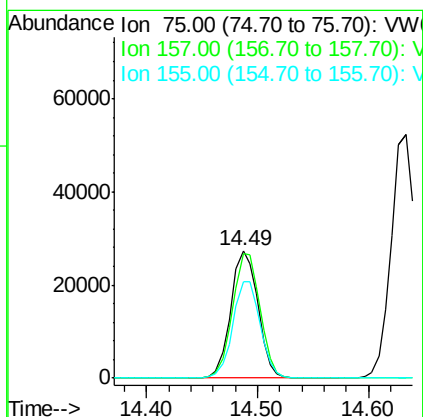
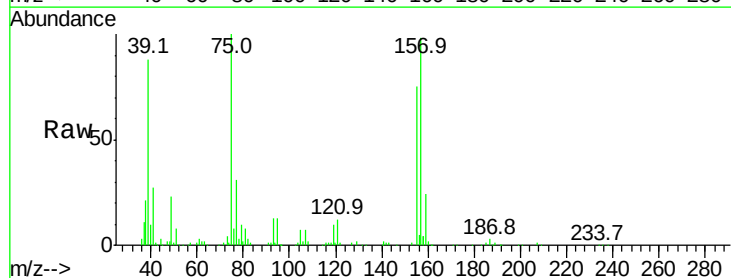
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

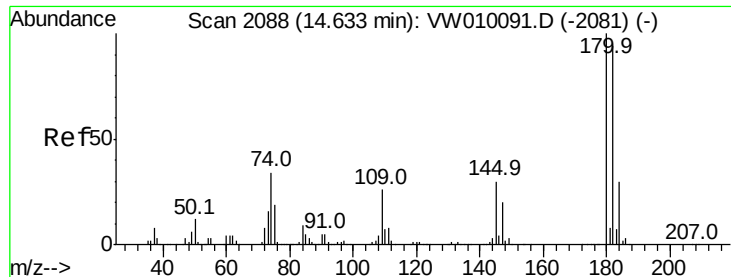
Tgt Ion: 146 Resp: 541626
 Ion Ratio Lower Upper
 146 100
 111 44.4 35.0 52.6
 148 63.6 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.753 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

Tgt Ion: 75 Resp: 46268
 Ion Ratio Lower Upper
 75 100
 157 98.0 73.3 109.9
 155 75.2 58.6 88.0

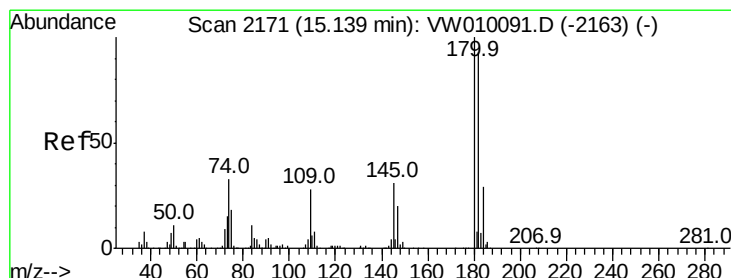
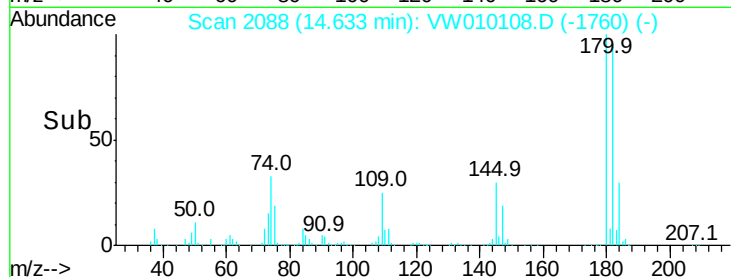
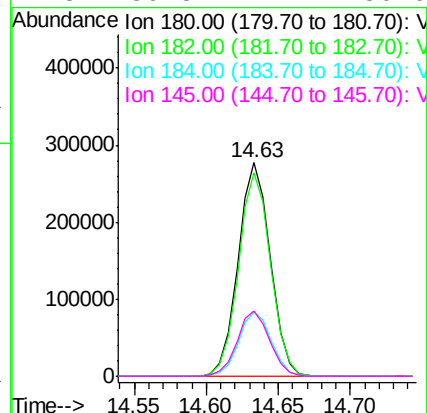
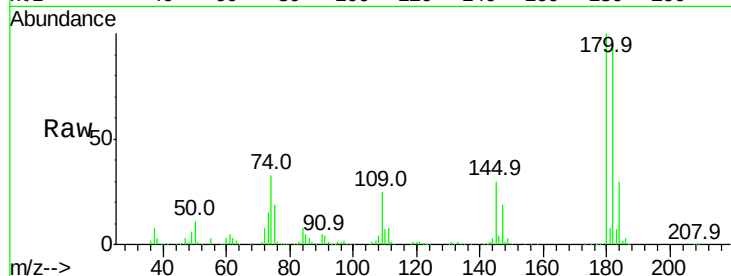




#67
 1,3,5-Trichlorobenzene
 Concen: 26.120 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

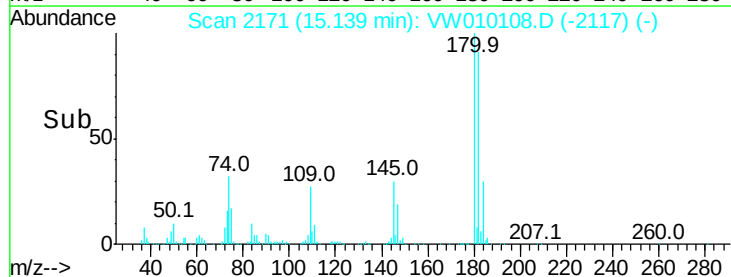
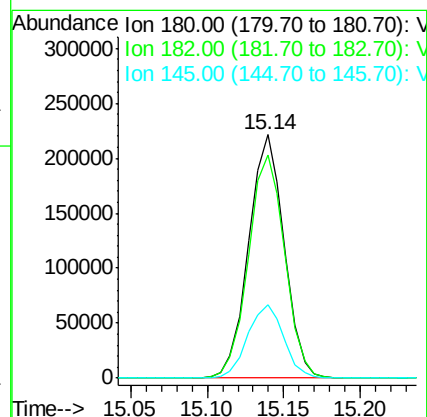
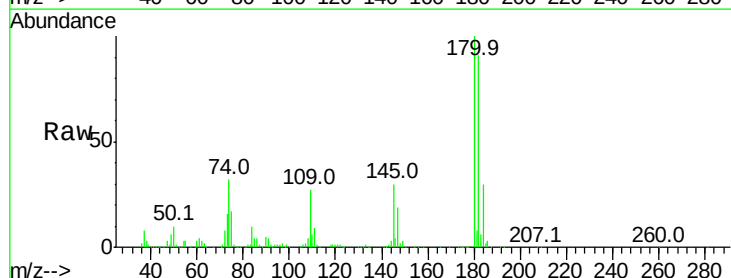
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

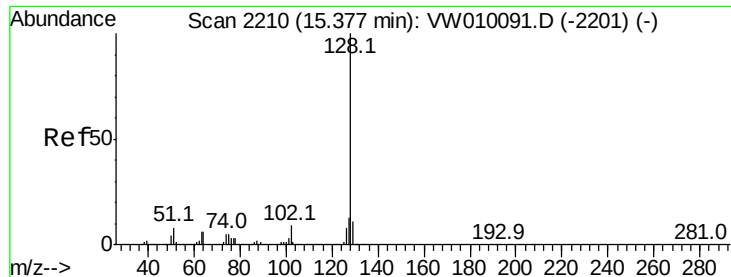
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
184	30.2	24.0	36.0
145	30.8	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 26.453 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010108.D
 Acq: 24 Apr 2019 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.4	113.0
145	30.5	25.0	37.4

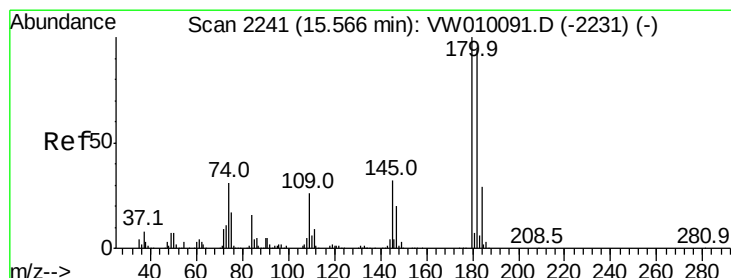
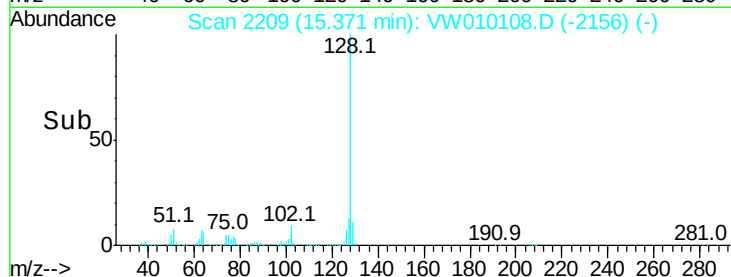
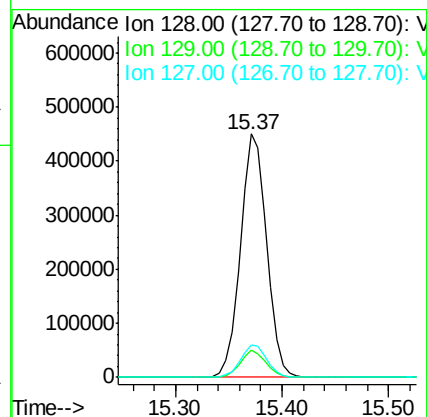
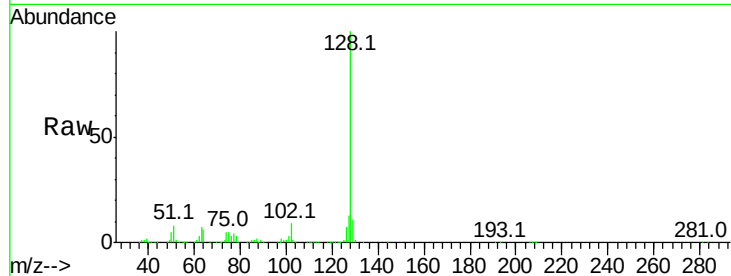




#69
Naphthalene
Concen: 26.896 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Tgt Ion:128 Resp: 777713
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.5 10.6 16.0



#70
1,2,3-Trichlorobenzene
Concen: 25.472 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW010108.D
Acq: 24 Apr 2019 10:57

Tgt Ion:180 Resp: 327438
Ion Ratio Lower Upper
180 100
182 94.0 76.0 114.0
145 32.6 26.3 39.5

