

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
 Data File : VW017758.D
 Acq On : 28 Dec 2020 11:48
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

Quant Time: Dec 28 13:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 28 13:38:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	365204	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	343324	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	181328	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128574	26.46	ug/L	0.00
7) Chloroethane-d5	2.89	69	113170	29.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	241202	24.52	ug/L	0.00
21) 2-Butanone-d5	7.07	46	64937	54.24	ug/L	0.00
24) Chloroform-d	7.65	84	252203	25.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	144542	27.15	ug/L	0.00
32) Benzene-d6	8.27	84	480461	24.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	136904	24.83	ug/L	0.00
41) Toluene-d8	10.32	98	468809	26.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	68742	26.72	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	47098	58.94	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	128166	28.19	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	164514	24.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	96545	31.196	ug/L 100
3) Chloromethane	2.21	50	81738	26.375	ug/L 100
5) Vinyl chloride	2.37	62	150254	32.260	ug/L 100
6) Bromomethane	2.78	94	114921	35.238	ug/L 100
8) Chloroethane	2.93	64	100168	33.858	ug/L 100
9) Trichlorofluoromethane	3.27	101	112290	26.348	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	120109	24.742	ug/L 100
12) 1,1-Dichloroethene	4.04	96	116352	25.139	ug/L 100
13) Acetone	4.12	43	55316	58.502	ug/L 100
14) Carbon disulfide	4.39	76	360470	27.303	ug/L 100
15) Methyl Acetate	4.67	43	54062	27.903	ug/L 100
16) Methylene chloride	4.92	84	127797	23.733	ug/L 100
17) trans-1,2-Dichloroethene	5.43	96	129214	26.611	ug/L 100
18) Methyl tert-butyl Ether	5.43	73	170844	29.761	ug/L 100
19) 1,1-Dichloroethane	6.21	63	226128	26.901	ug/L 100
20) cis-1,2-Dichloroethene	7.17	96	138309	26.693	ug/L 100
22) 2-Butanone	7.17	43	75844	53.173	ug/L 100
23) Bromochloromethane	7.52	128	61681	25.664	ug/L 100
25) Chloroform	7.68	83	239386	26.715	ug/L 100
27) 1,2-Dichloroethane	8.40	62	167986	28.914	ug/L 100
29) Cyclohexane	7.96	56	210066	28.394	ug/L 100
30) 1,1,1-Trichloroethane	7.87	97	204097	26.562	ug/L 100
31) Carbon tetrachloride	8.07	117	193139	25.952	ug/L 100
33) Benzene	8.32	78	518948	26.906	ug/L 100
34) Trichloroethene	9.09	95	140491	26.427	ug/L 100
35) Methylcyclohexane	9.34	83	245013	28.268	ug/L 100
37) 1,2-Dichloropropane	9.37	63	125240	26.679	ug/L 100
38) Bromodichloromethane	9.65	83	179808	27.316	ug/L 100
39) cis-1,3-Dichloropropene	10.07	75	213328	28.496	ug/L 100
40) 4-Methyl-2-pentanone	10.21	43	156382	58.458	ug/L 100

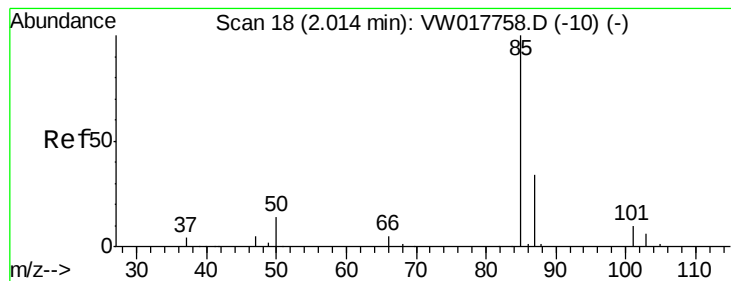
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
 Data File : VW017758.D
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 Quant Title : SFAM01.0
 QLast Update : Mon Dec 28 13:38:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	588604	28.100	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	191456	28.512	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	101145	27.159	ug/L	100
46) Tetrachloroethene	10.87	164	112062	25.632	ug/L	100
48) 2-Hexanone	10.97	43	105660	58.215	ug/L	100
49) Dibromochloromethane	11.13	129	122669	26.725	ug/L	100
50) 1,2-Dibromoethane	11.24	107	98439	27.035	ug/L	100
51) Chlorobenzene	11.66	112	372829	27.064	ug/L	100
52) Ethylbenzene	11.73	91	666214	28.188	ug/L	100
53) m,p-Xylene	11.84	106	260444	28.893	ug/L	100
54) o-Xylene	12.16	106	246112	28.832	ug/L	100
55) Styrene	12.18	104	428509	29.389	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	125341	28.592	ug/L	100
59) Bromoform	12.35	173	69657	24.941	ug/L	100
60) Isopropylbenzene	12.46	105	683525	28.021	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	95378	27.921	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	568724	28.586	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	563471	28.623	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	298069	26.068	ug/L	100
65) 1,4-Dichlorobenzene	13.58	146	298806	25.767	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	273246	26.270	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.48	75	21857	28.002	ug/L	100
69) 1,3,5-Trichlorobenzene	14.63	180	200529	24.494	ug/L	100
70) 1,2,4-trichlorobenzene	15.13	180	171566	24.763	ug/L	100
71) Naphthalene	15.36	128	381959	31.332	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	152723	25.381	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 31.196 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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MSVOA_W

ClientSampleId :

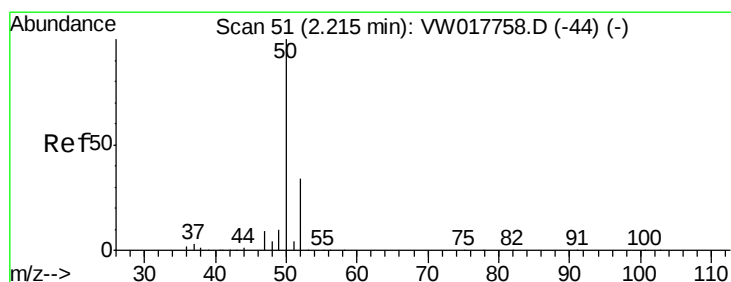
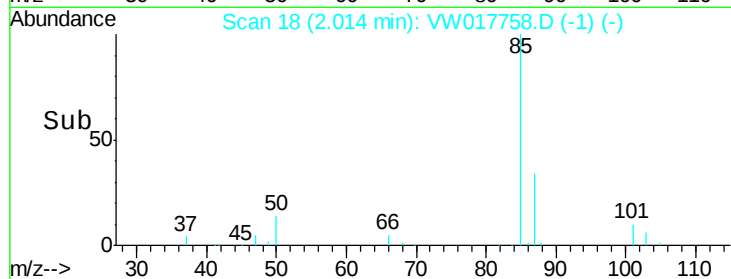
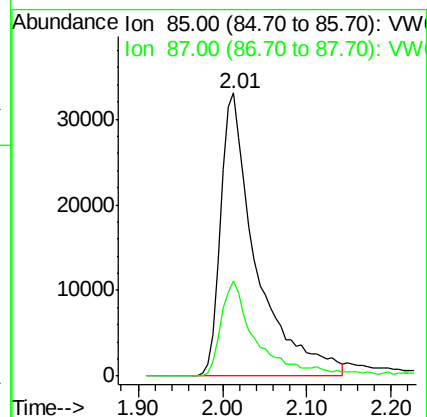
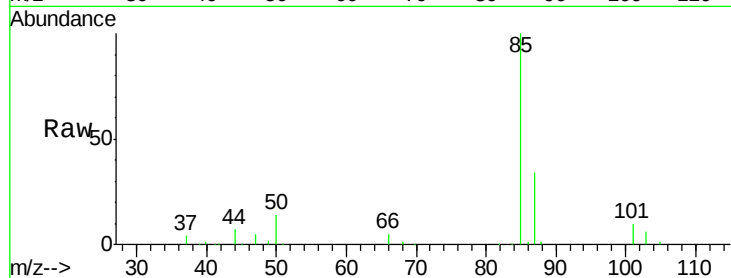
VSTD025104

Tgt Ion: 85 Resp: 96545

Ion Ratio Lower Upper

85 100

87 29.7 23.8 35.6



#3

Chloromethane

Concen: 26.375 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017758.D

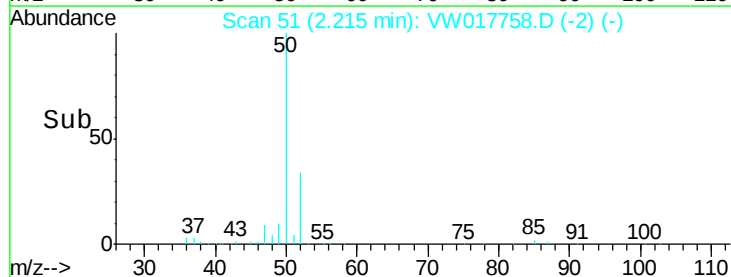
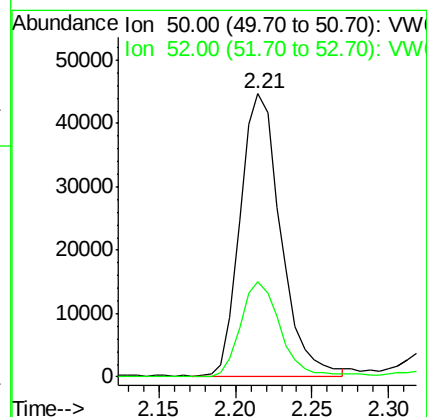
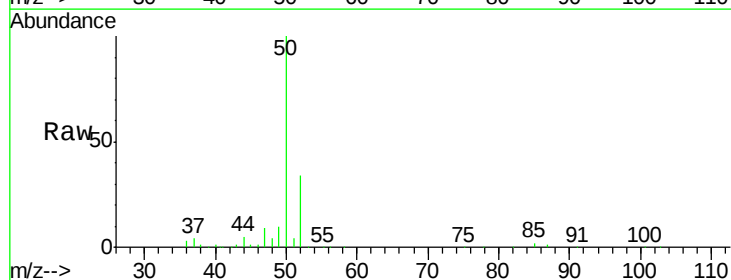
Acq: 28 Dec 2020 11:48

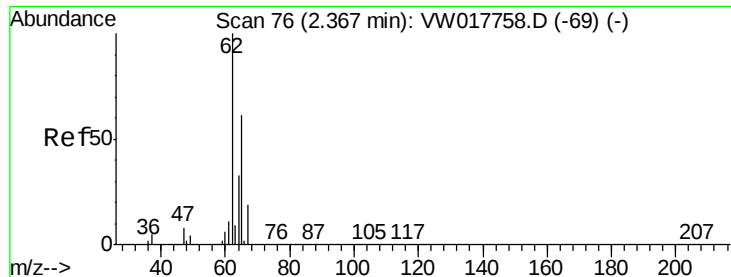
Tgt Ion: 50 Resp: 81738

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8





#5

Vinyl chloride

Concen: 32.260 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

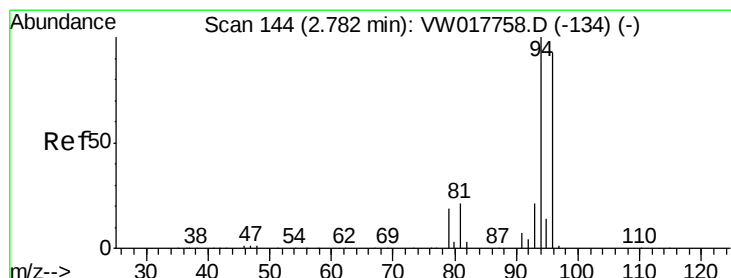
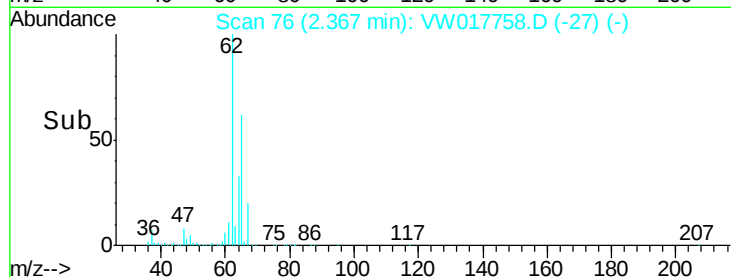
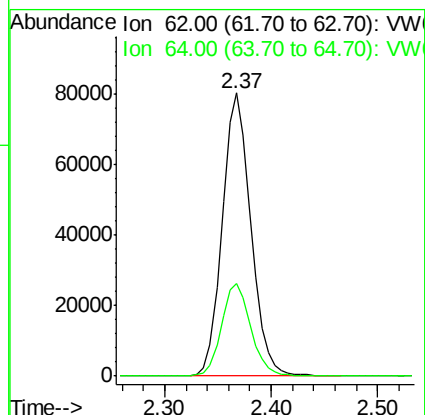
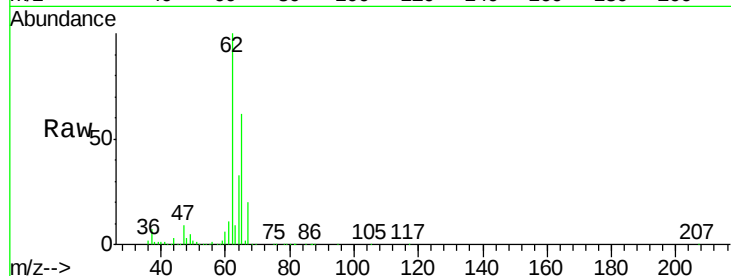
VSTD025104

Tgt Ion: 62 Resp: 150254

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 35.238 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017758.D

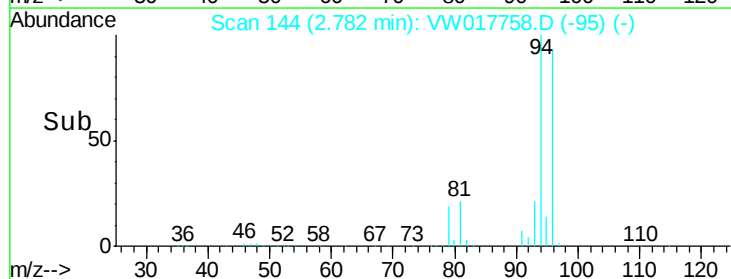
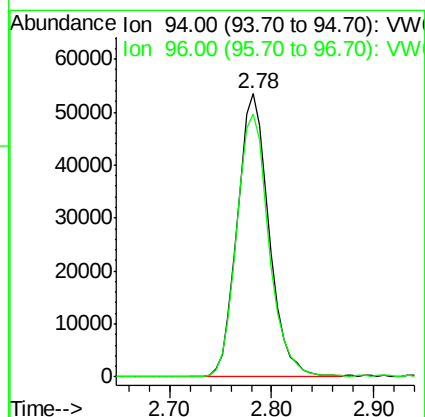
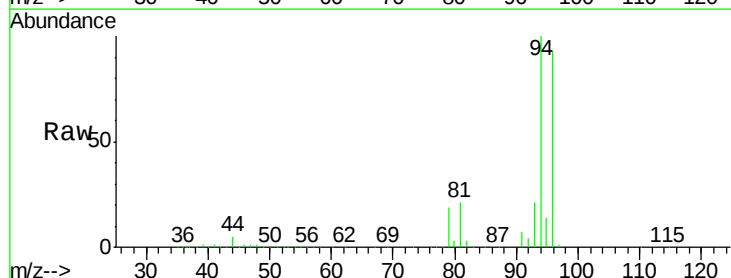
Acq: 28 Dec 2020 11:48

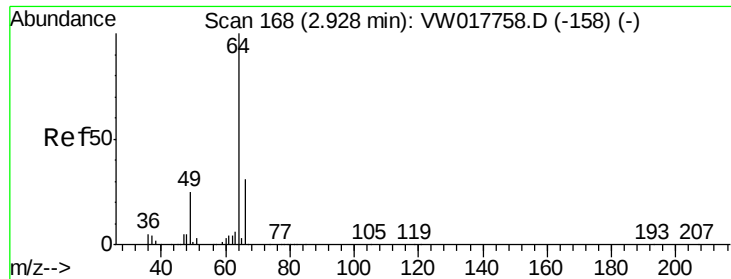
Tgt Ion: 94 Resp: 114921

Ion Ratio Lower Upper

94 100

96 92.8 65.0 120.6

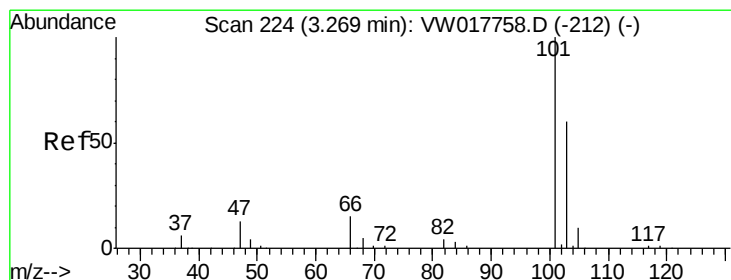
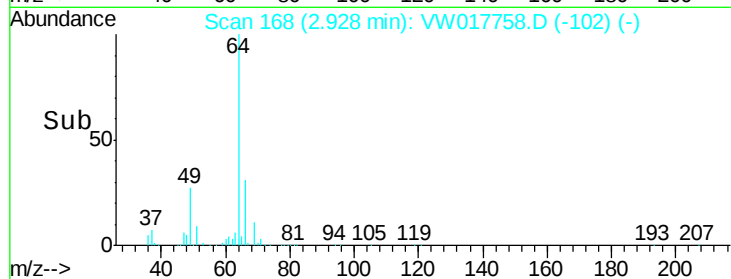
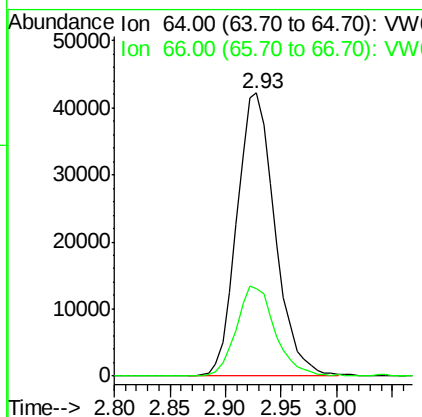
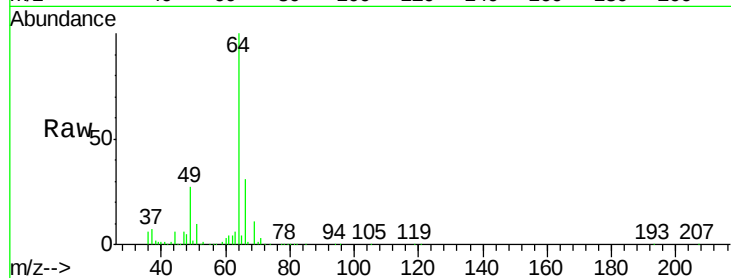




#8
Chloroethane
Concen: 33.858 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

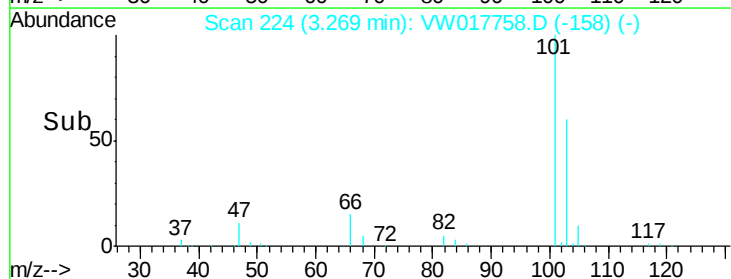
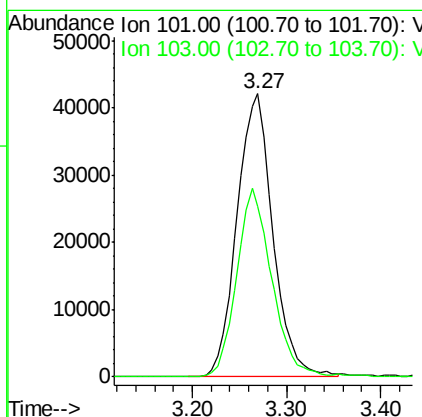
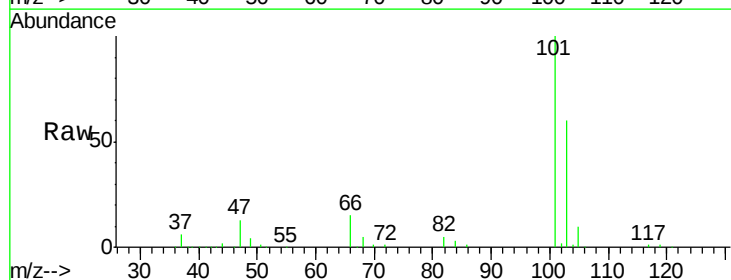
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

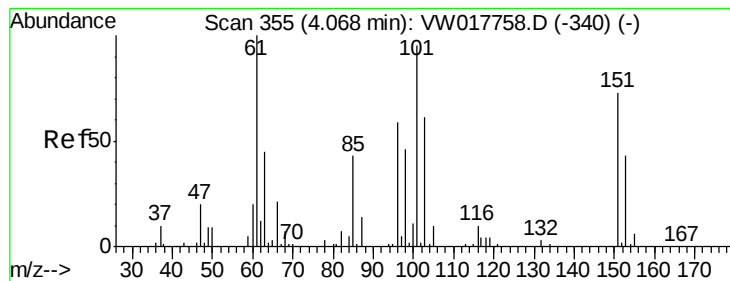
Tgt Ion: 64 Resp: 100168
Ion Ratio Lower Upper
64 100
66 31.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 26.348 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion: 101 Resp: 112290
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 24.742 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

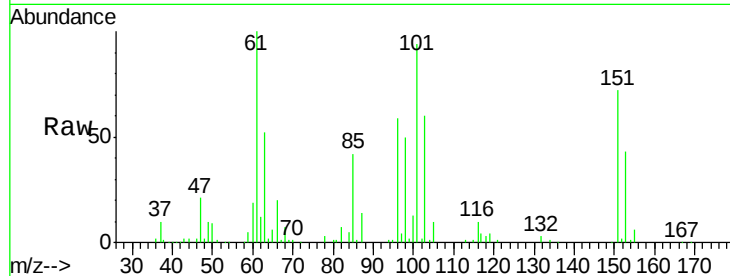
Tgt Ion:101 Resp: 120109

Ion Ratio Lower Upper

101 100

85 47.4 37.9 56.9

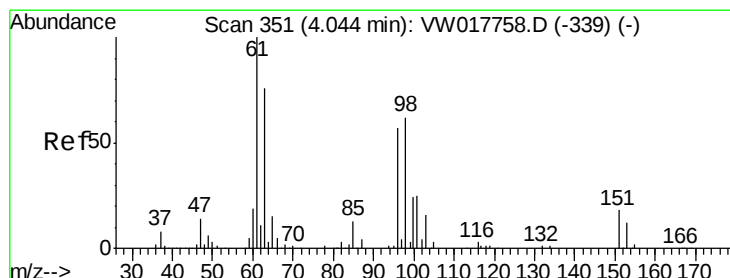
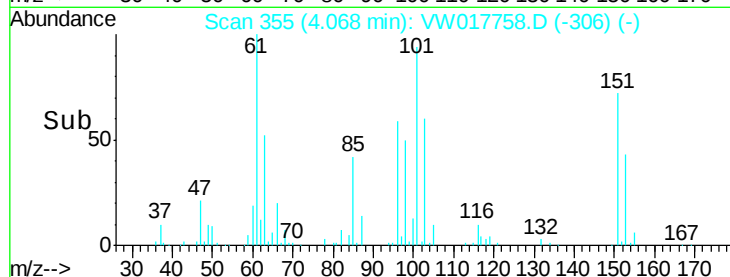
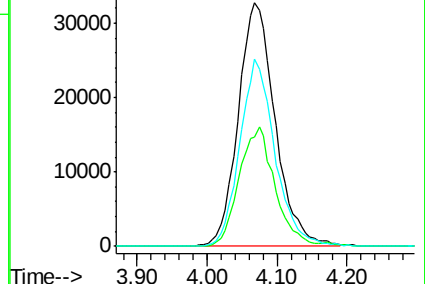
151 72.7 58.2 87.2



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: 25.139 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

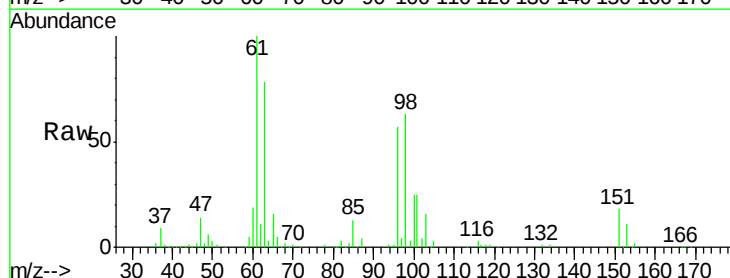
Tgt Ion: 96 Resp: 116352

Ion Ratio Lower Upper

96 100

61 176.7 123.7 229.7

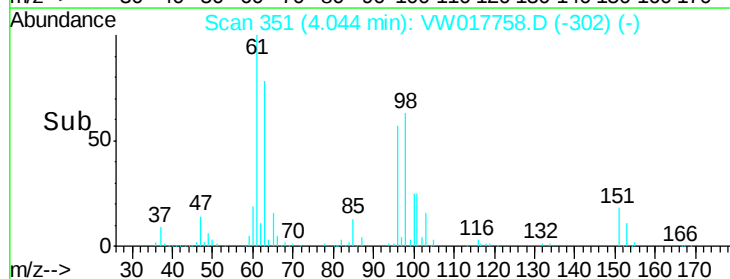
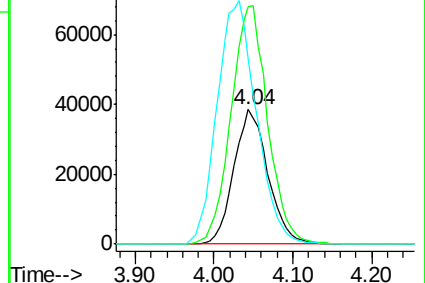
63 138.0 96.6 179.4

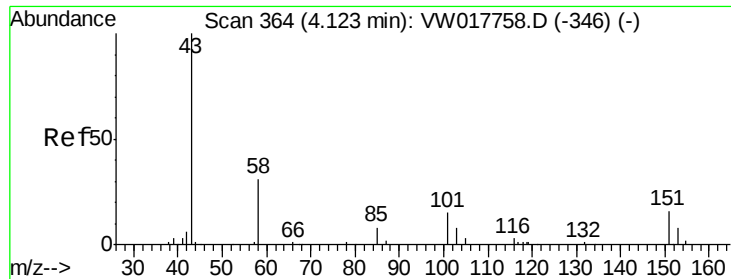


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.502 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

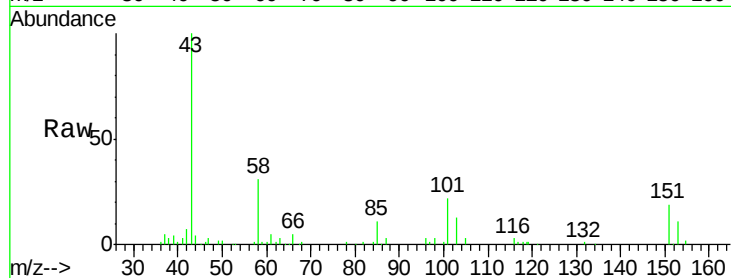
VSTD025104

Tgt Ion: 43 Resp: 55316

Ion Ratio Lower Upper

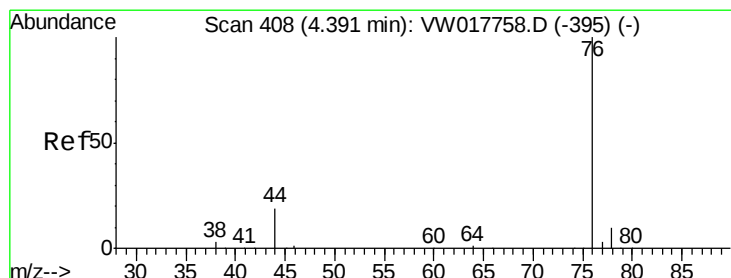
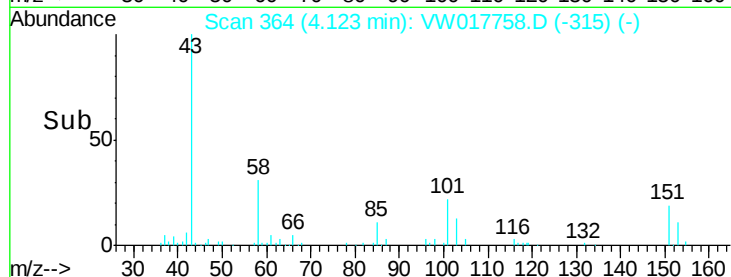
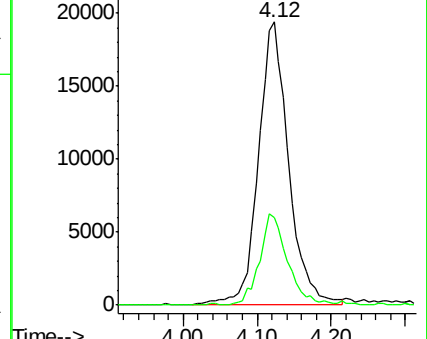
43 100

58 28.9 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 27.303 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017758.D

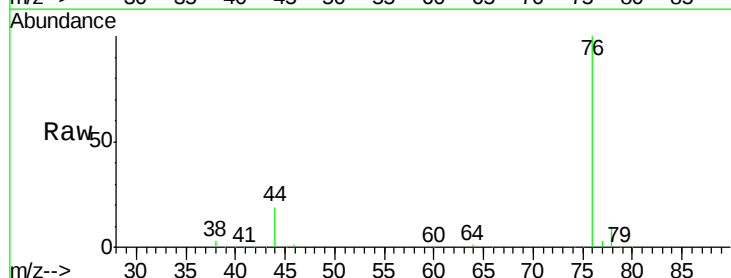
Acq: 28 Dec 2020 11:48

Tgt Ion: 76 Resp: 360470

Ion Ratio Lower Upper

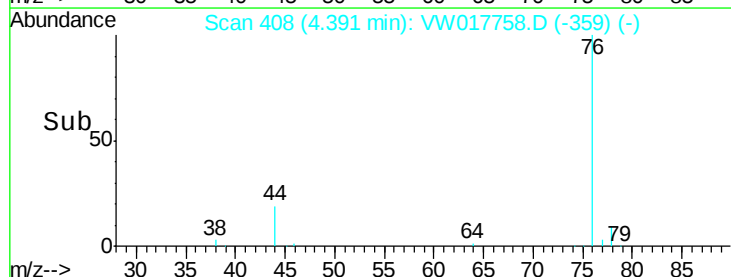
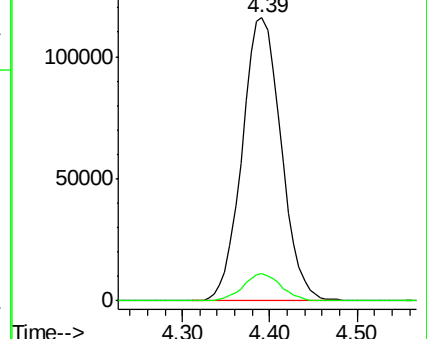
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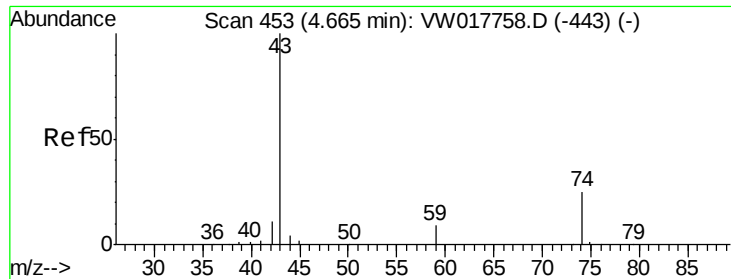
78 9.6 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

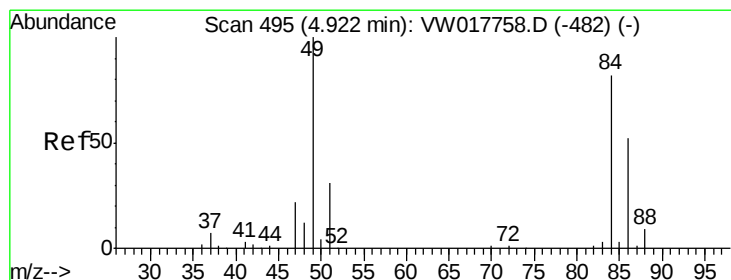
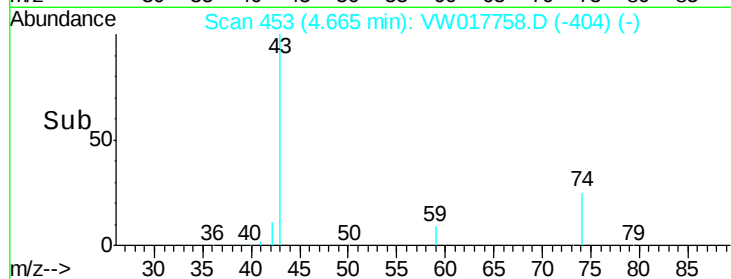
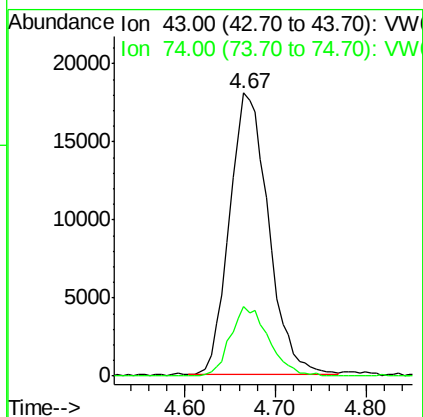
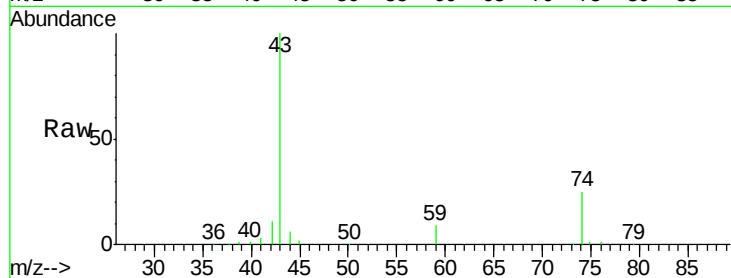




#15
Methyl Acetate
Concen: 27.903 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

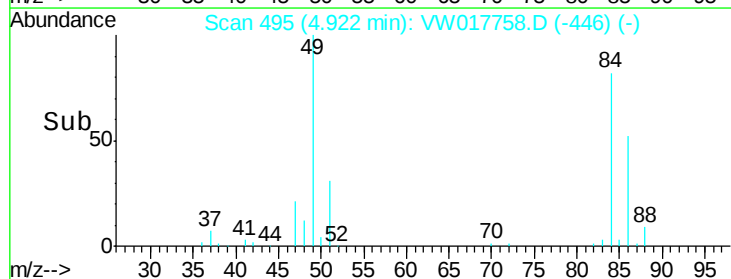
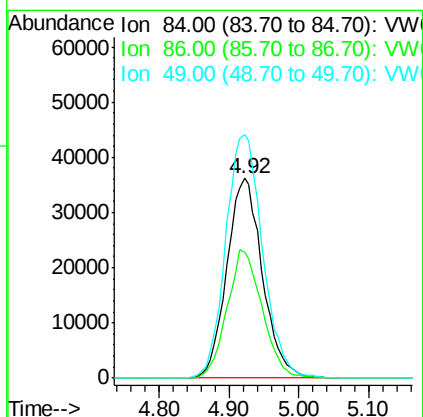
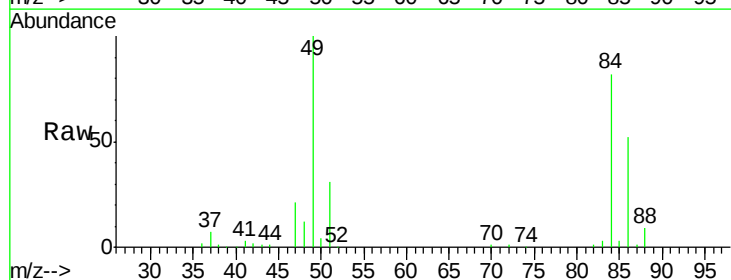
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

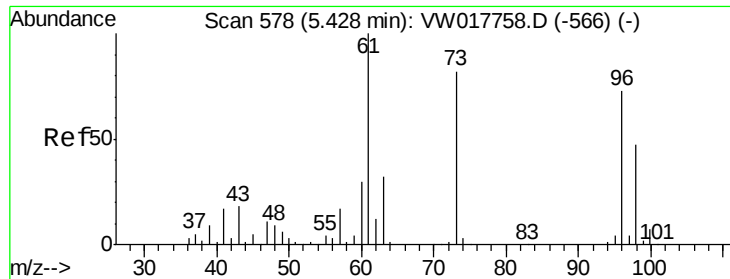
Tgt Ion: 43 Resp: 54062
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



#16
Methylene chloride
Concen: 23.733 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion: 84 Resp: 127797
Ion Ratio Lower Upper
84 100
86 62.9 44.0 81.8
49 122.0 85.4 158.6

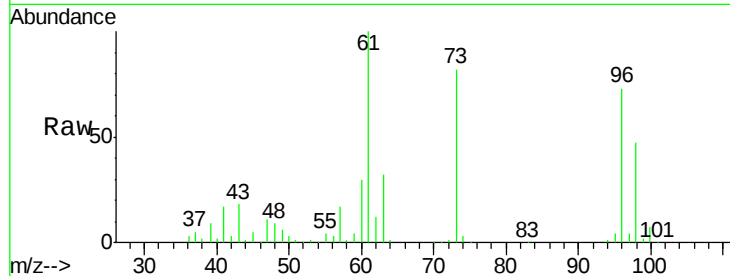




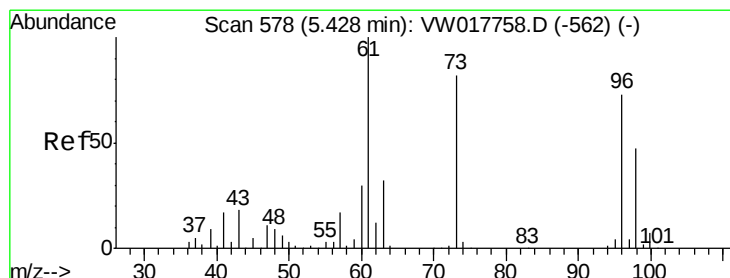
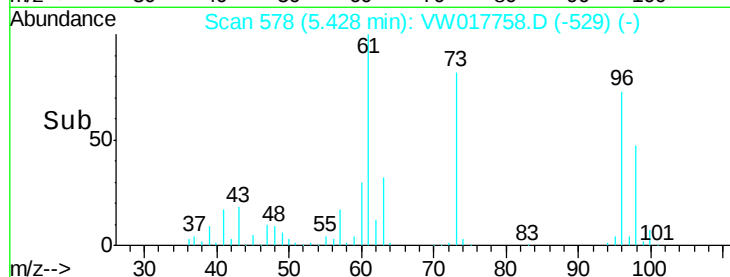
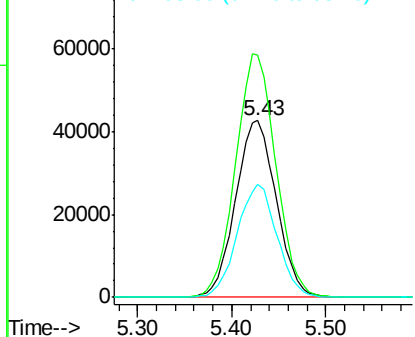
#17
trans-1,2-Dichloroethene
Concen: 26.611 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

Tgt Ion: 96 Resp: 129214
Ion Ratio Lower Upper
96 100
61 137.2 96.0 178.4
98 64.1 44.9 83.3

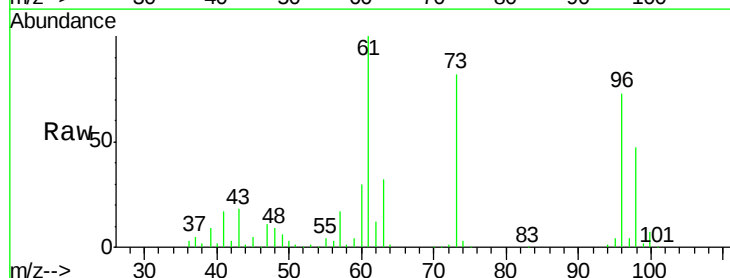


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

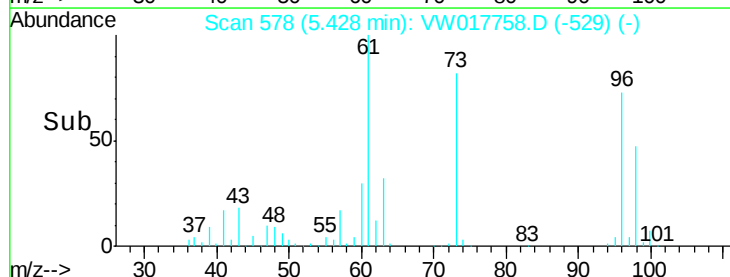
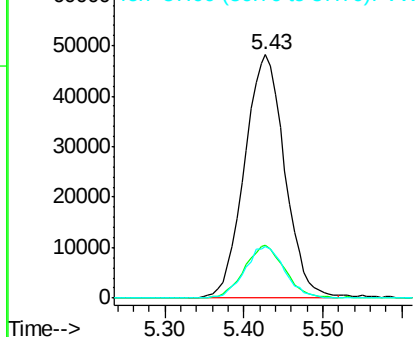


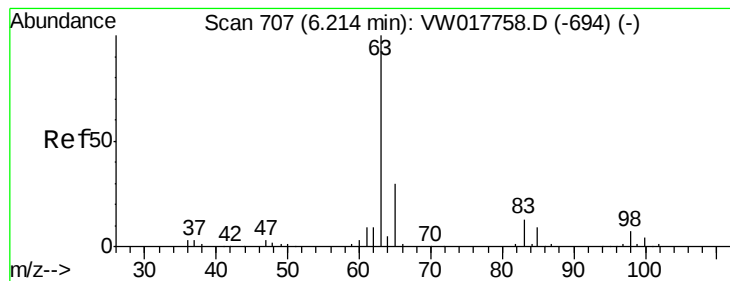
#18
Methyl tert-butyl Ether
Concen: 29.761 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion: 73 Resp: 170844
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.0
57 21.1 16.9 25.3



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





#19

1,1-Dichloroethane

Concen: 26.901 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

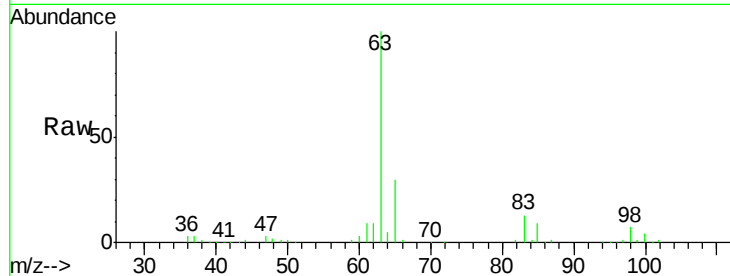
Tgt Ion: 63 Resp: 226128

Ion Ratio Lower Upper

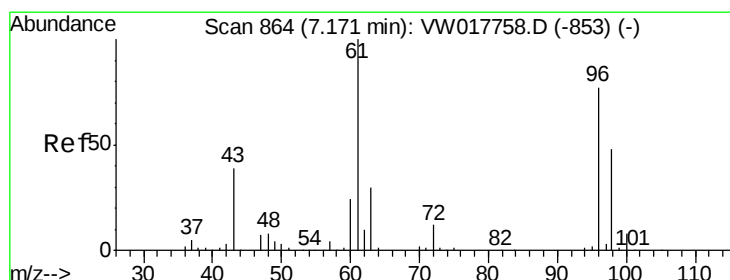
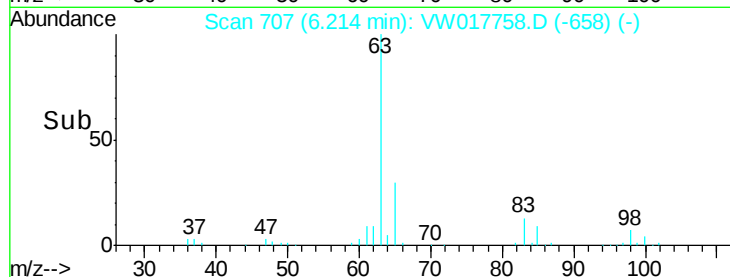
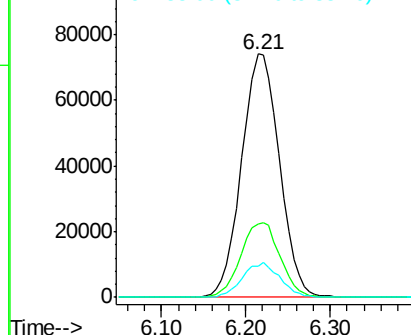
63 100

65 30.4 21.3 39.5

83 12.6 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 26.693 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

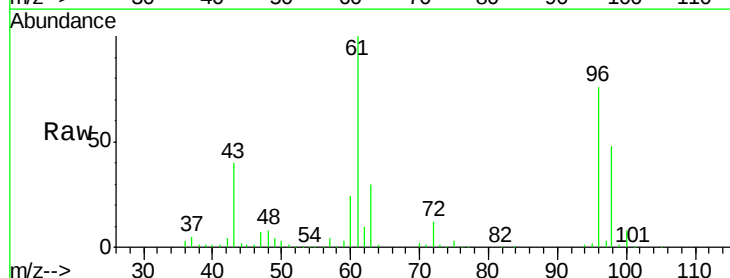
Tgt Ion: 96 Resp: 138309

Ion Ratio Lower Upper

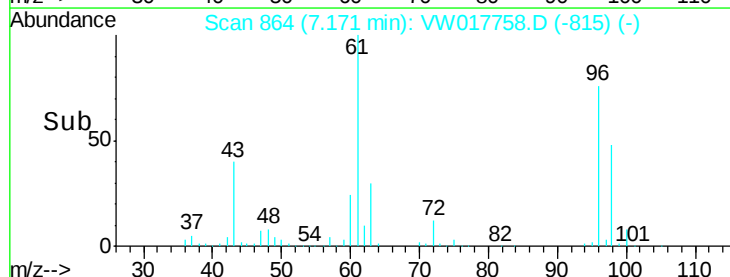
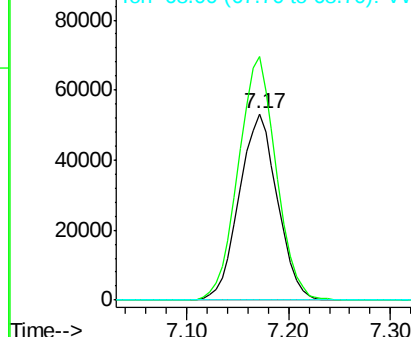
96 100

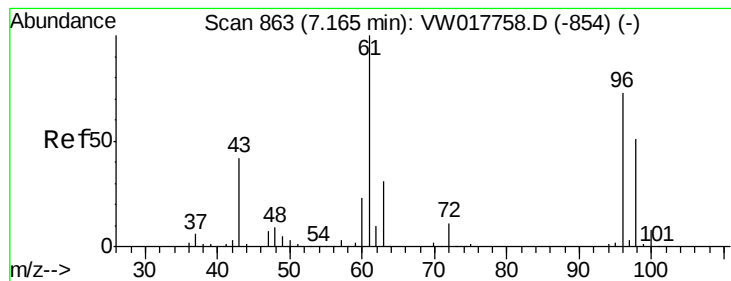
61 130.9 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 53.173 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

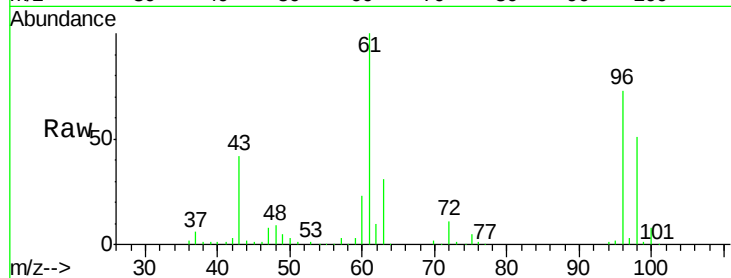
VSTD025104

Tgt Ion: 43 Resp: 75844

Ion Ratio Lower Upper

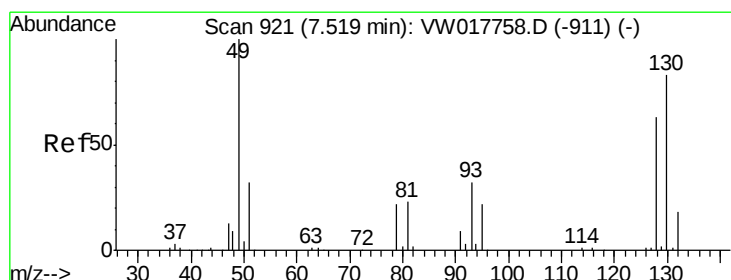
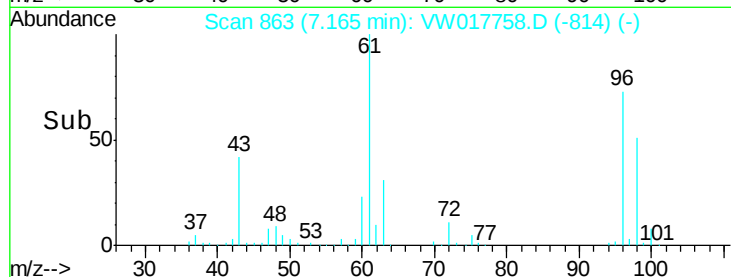
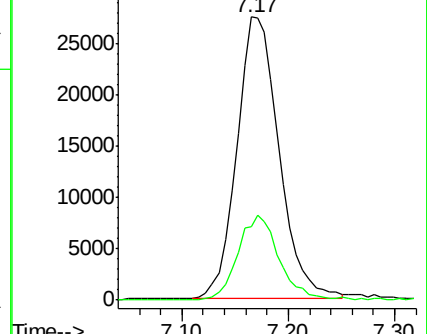
43 100

72 29.3 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#23

Bromochloromethane

Concen: 25.664 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Tgt Ion: 128 Resp: 61681

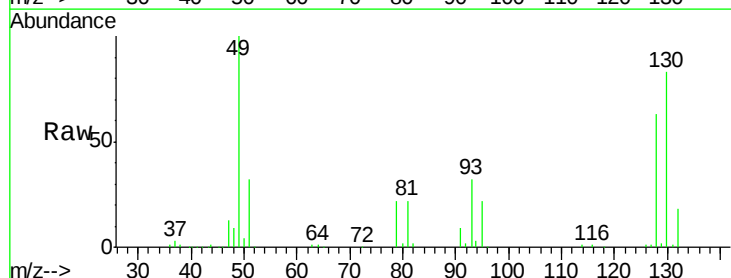
Ion Ratio Lower Upper

128 100

49 158.9 111.2 206.6

130 131.3 91.9 170.7

51 50.7 40.6 60.8

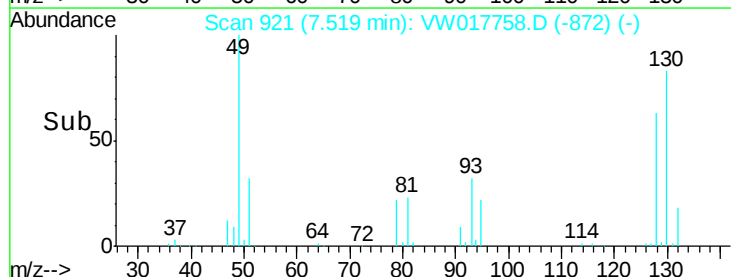
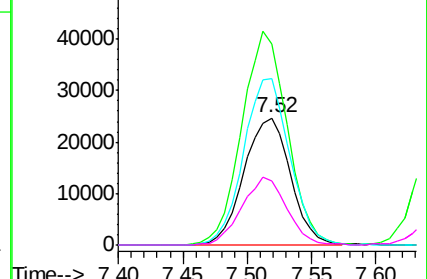


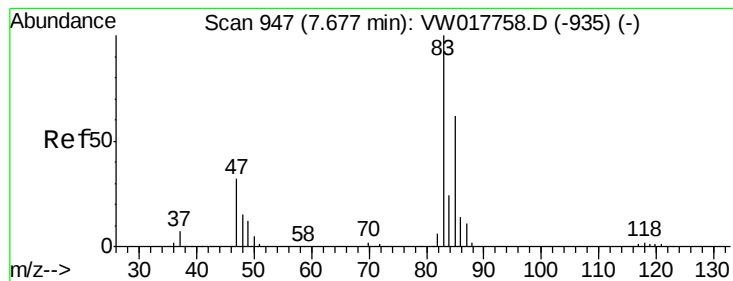
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.715 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

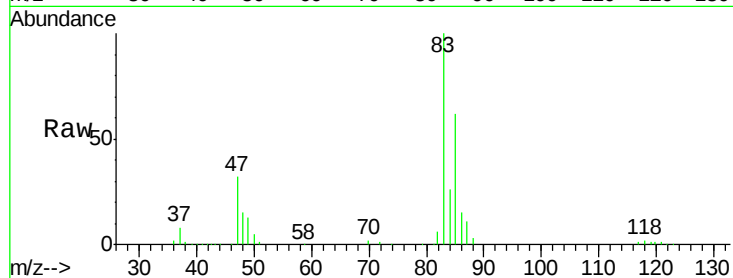
VSTD025104

Tgt Ion: 83 Resp: 239386

Ion Ratio Lower Upper

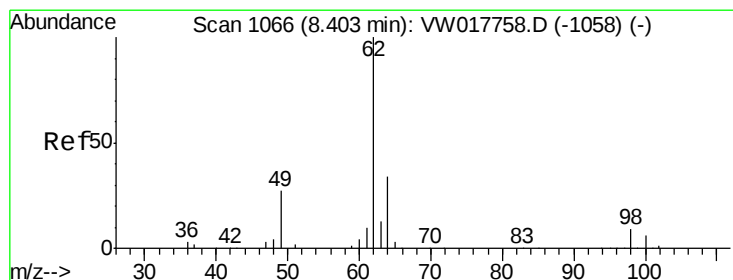
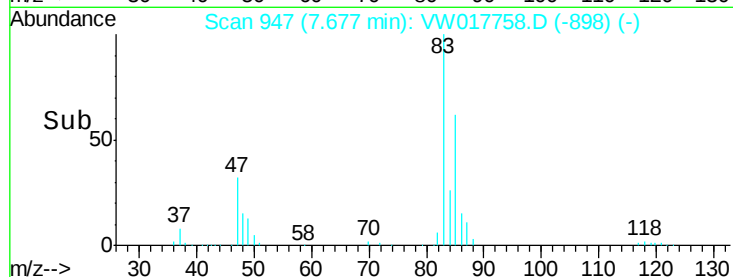
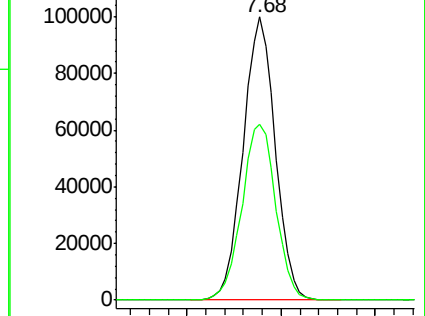
83 100

85 62.3 43.6 81.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.914 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017758.D

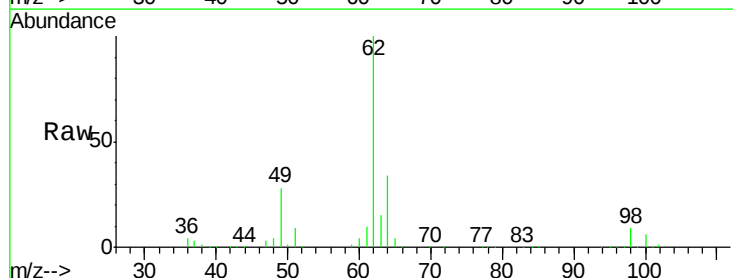
Acq: 28 Dec 2020 11:48

Tgt Ion: 62 Resp: 167986

Ion Ratio Lower Upper

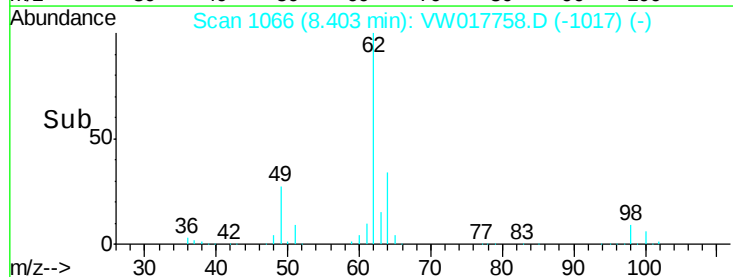
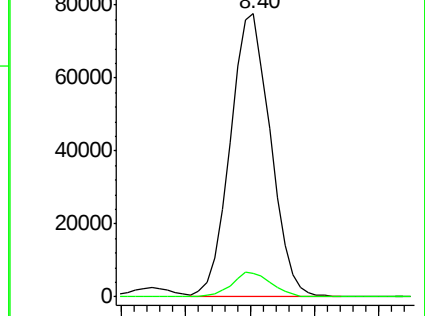
62 100

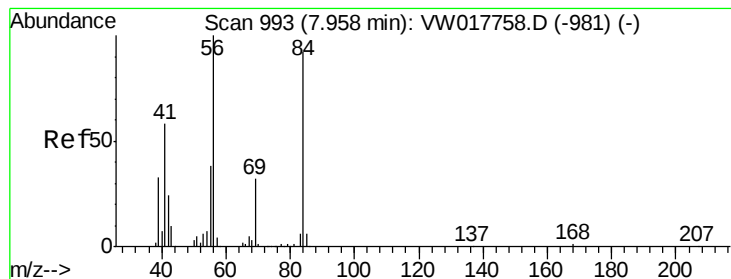
98 8.5 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#29

Cyclohexane

Concen: 28.394 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampled :

VSTD025104

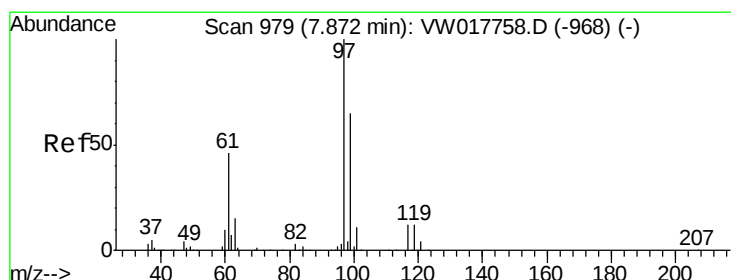
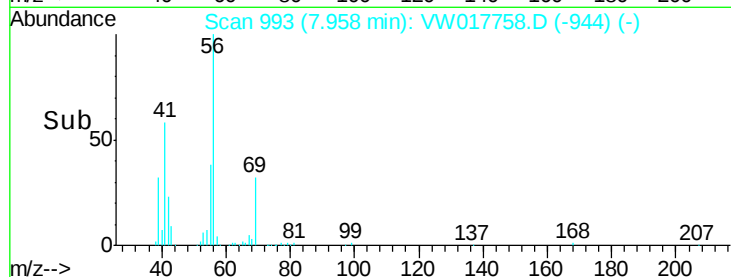
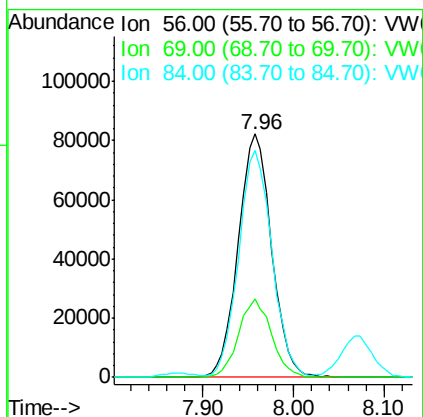
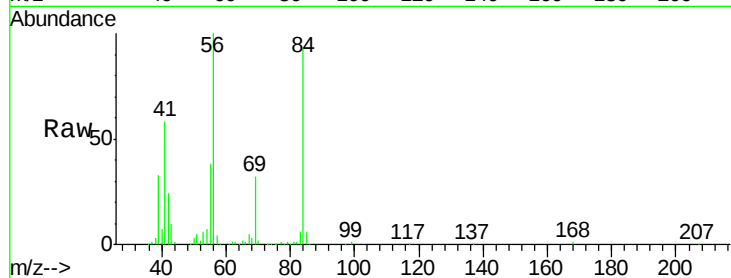
Tgt Ion: 56 Resp: 210066

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 92.9 74.3 111.5



#30

1,1,1-Trichloroethane

Concen: 26.562 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

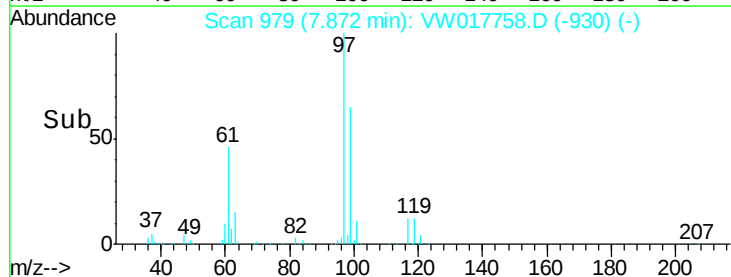
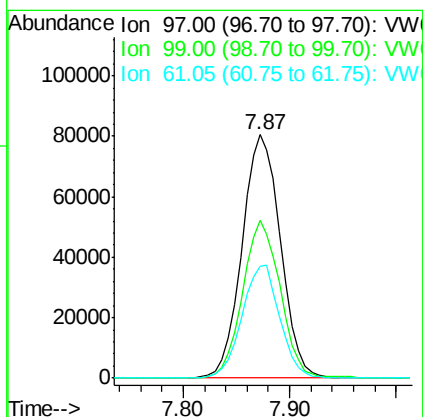
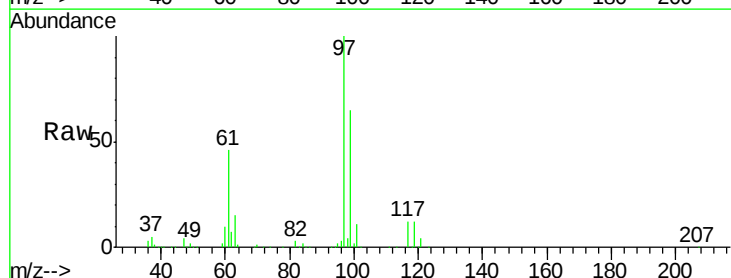
Tgt Ion: 97 Resp: 204097

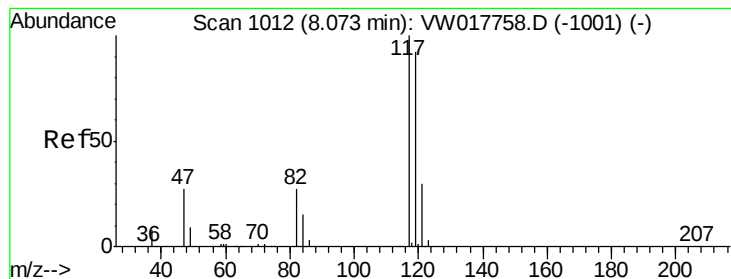
Ion Ratio Lower Upper

97 100

99 63.2 50.6 75.8

61 45.7 36.6 54.8





#31

Carbon tetrachloride

Concen: 25.952 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

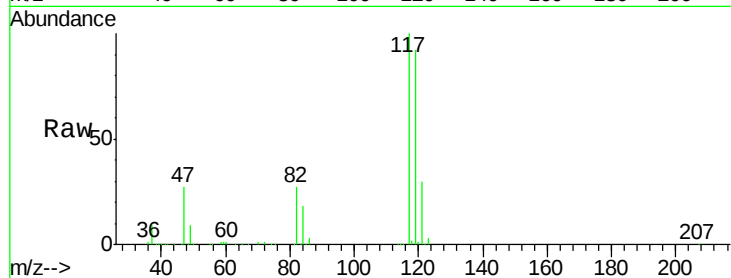
VSTD025104

Tgt Ion:117 Resp: 193139

Ion Ratio Lower Upper

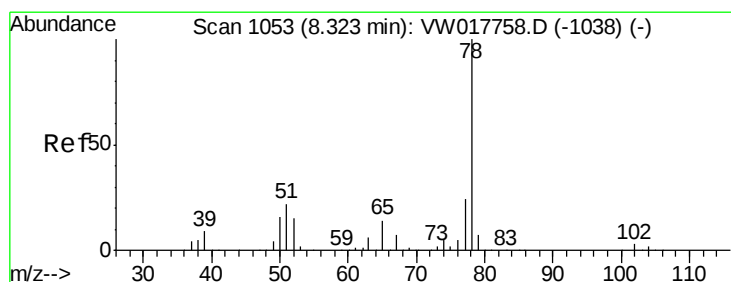
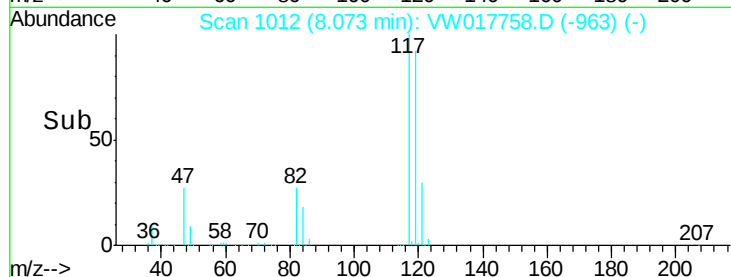
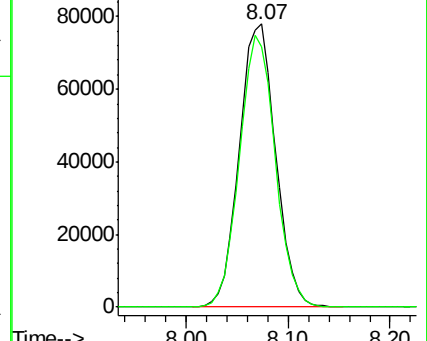
117 100

119 94.5 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 26.906 ug/L

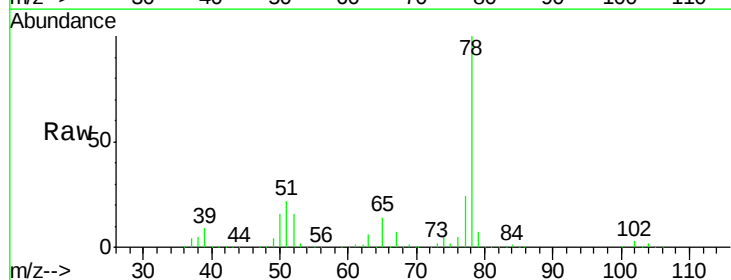
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

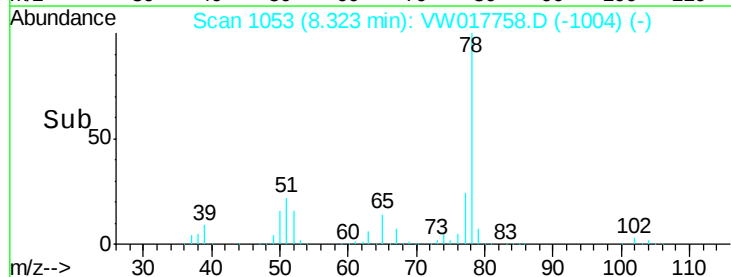
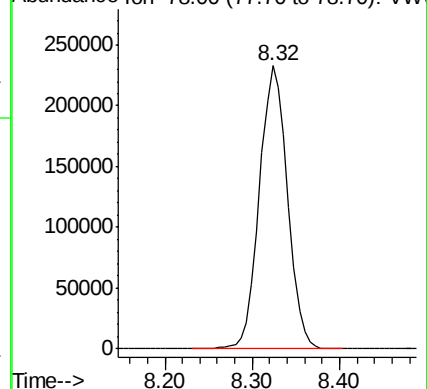
Lab File: VW017758.D

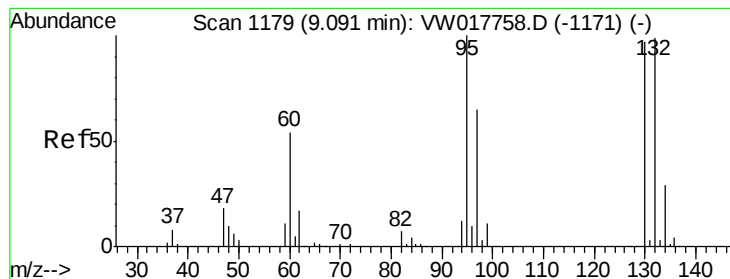
Acq: 28 Dec 2020 11:48

Tgt Ion: 78 Resp: 518948



Abundance Ion 78.00 (77.70 to 78.70): VW





#34

Trichloroethene

Concen: 26.427 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

Tgt Ion: 95 Resp: 140491

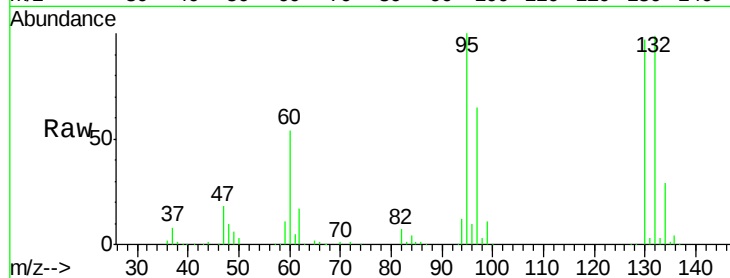
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.6

132 99.1 69.4 128.8

130 97.4 68.2 126.6

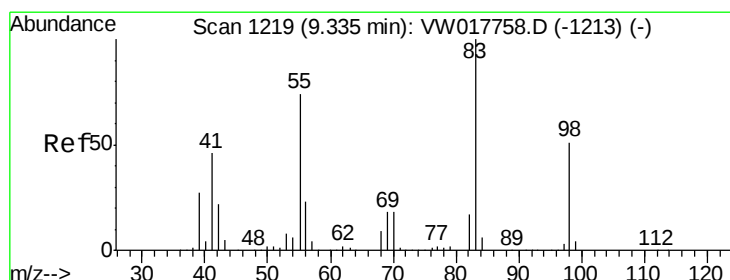
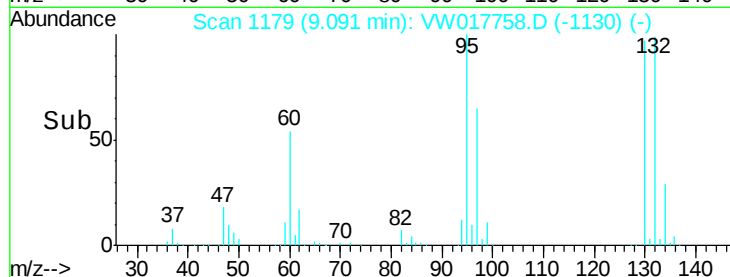
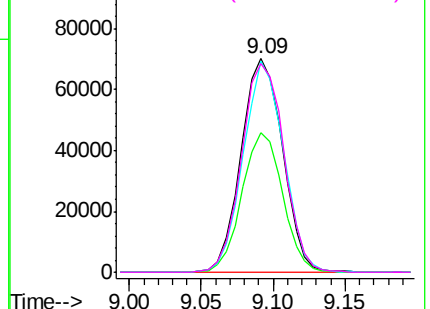


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#35

Methylcyclohexane

Concen: 28.268 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

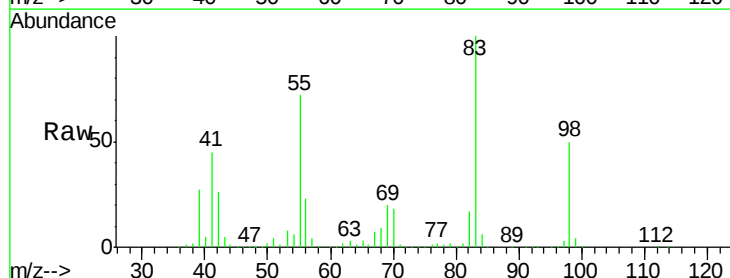
Tgt Ion: 83 Resp: 245013

Ion Ratio Lower Upper

83 100

55 73.3 58.6 88.0

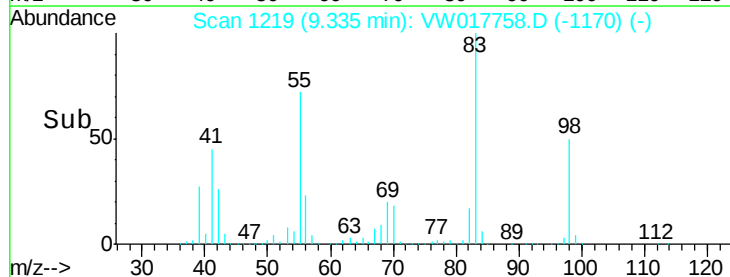
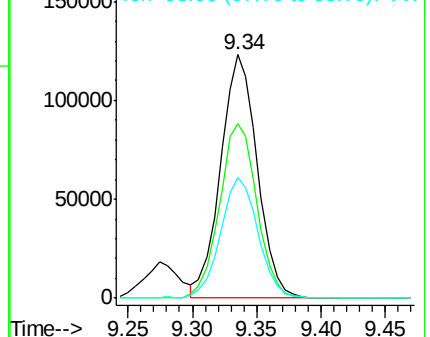
98 50.6 40.5 60.7

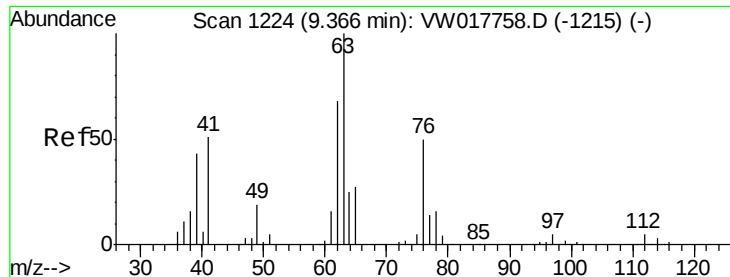


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

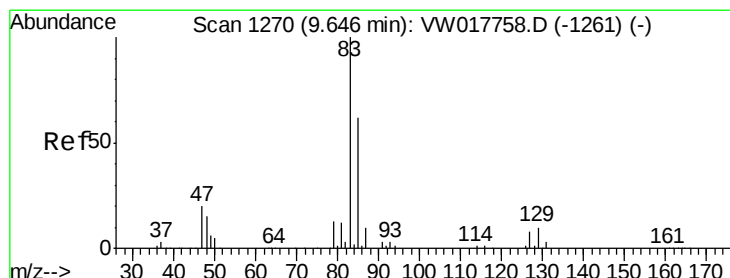
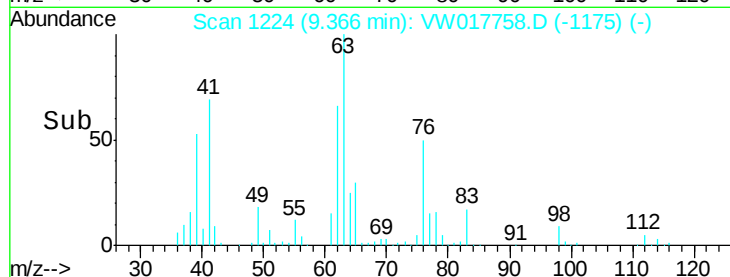
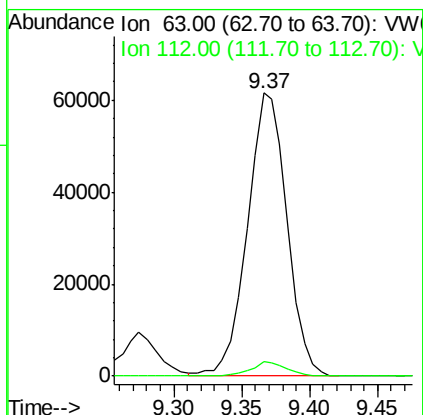
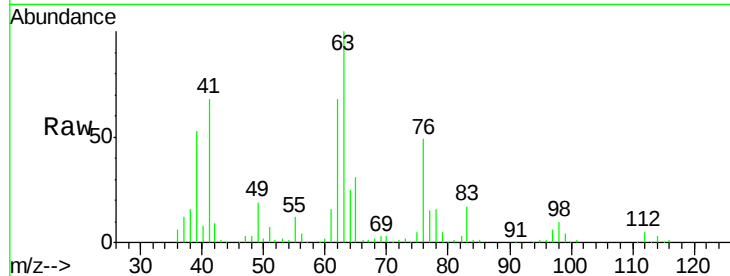




#37
 1,2-Dichloropropane
 Concen: 26.679 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

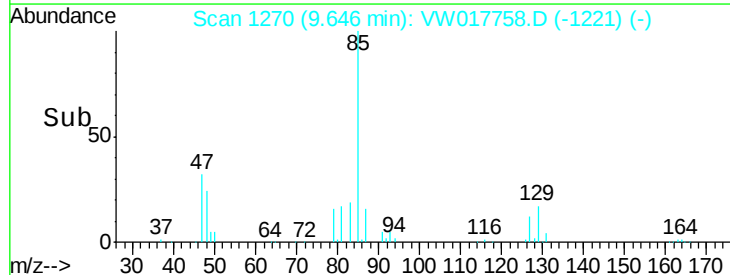
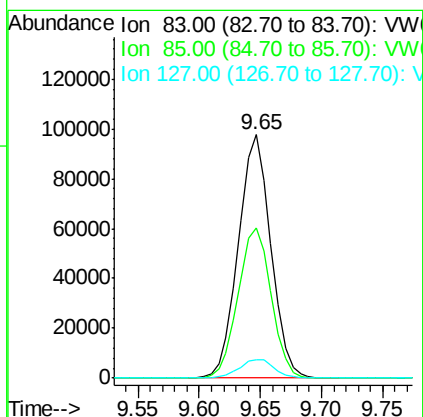
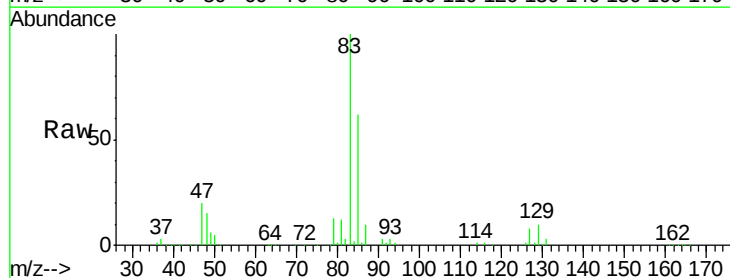
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

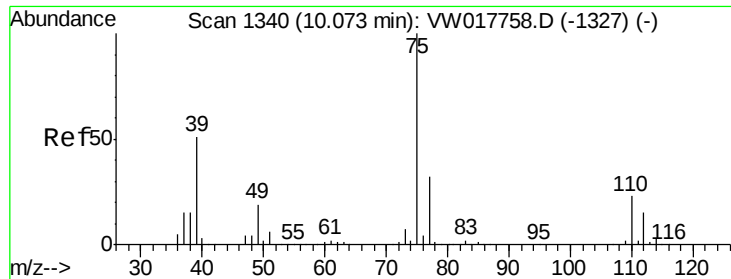
Tgt Ion: 63 Resp: 125240
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 27.316 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion: 83 Resp: 179808
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.0 80.0
 127 7.6 6.1 9.1

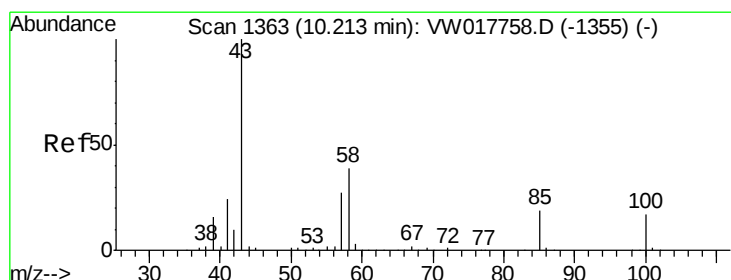
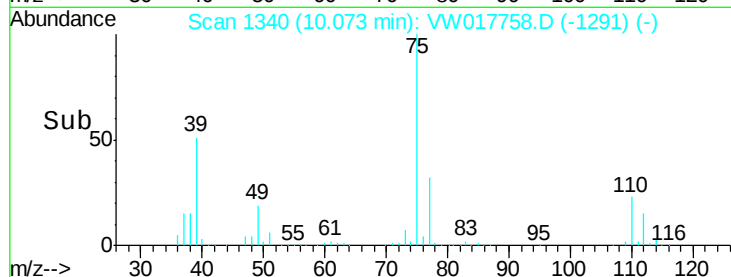
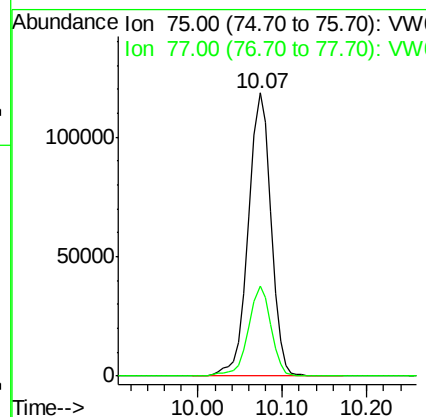
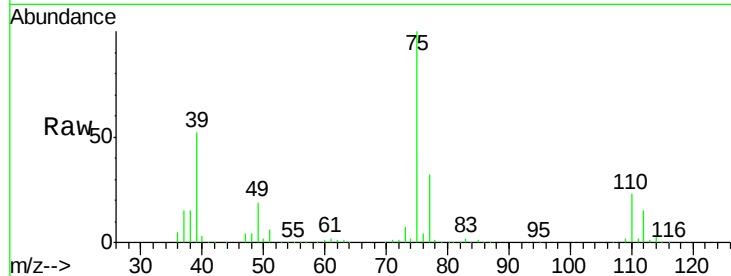




#39
 cis-1,3-Dichloropropene
 Concen: 28.496 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

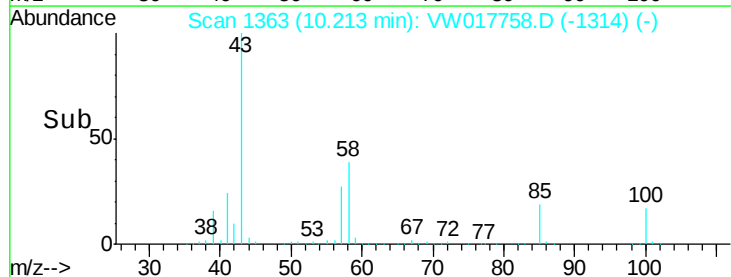
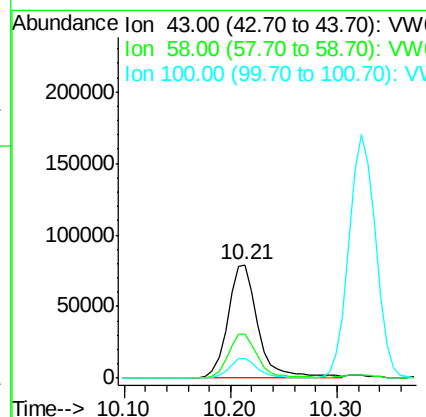
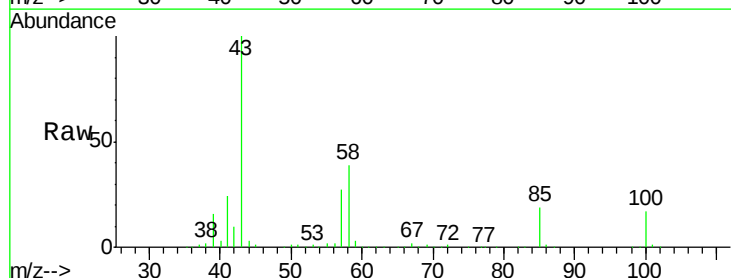
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

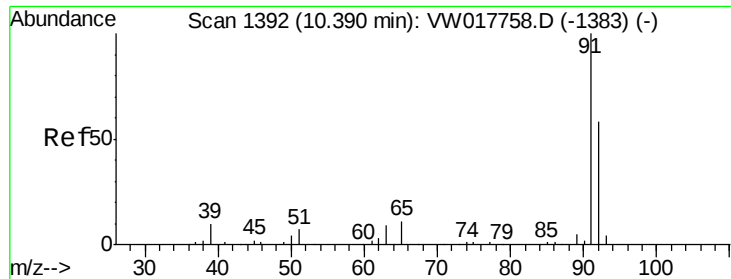
Tgt Ion: 75 Resp: 213328
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 58.458 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion: 43 Resp: 156382
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5
 100 16.0 12.8 19.2





#42

Toluene

Concen: 28.100 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

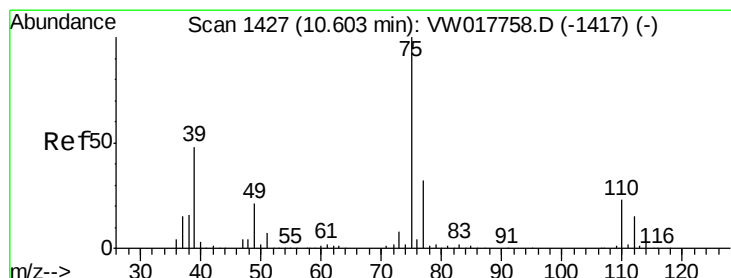
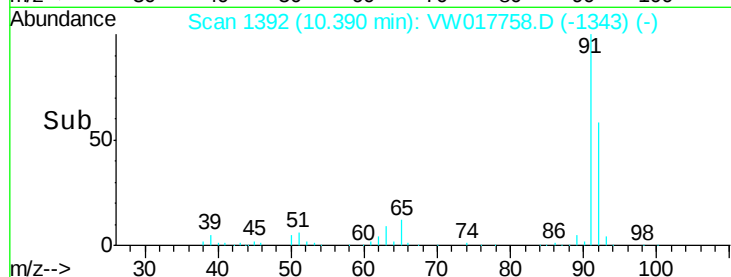
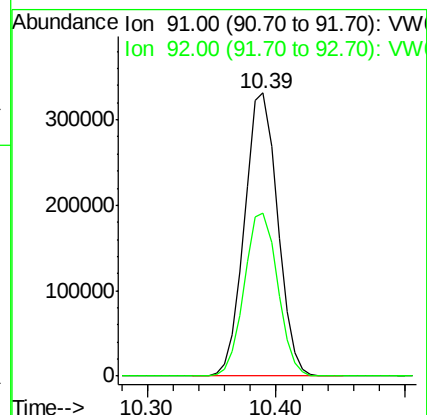
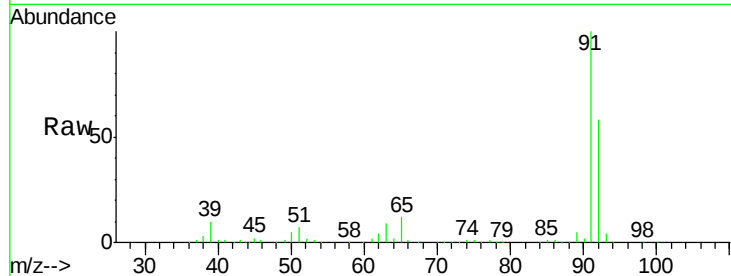
VSTD025104

Tgt Ion: 91 Resp: 588604

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 28.512 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017758.D

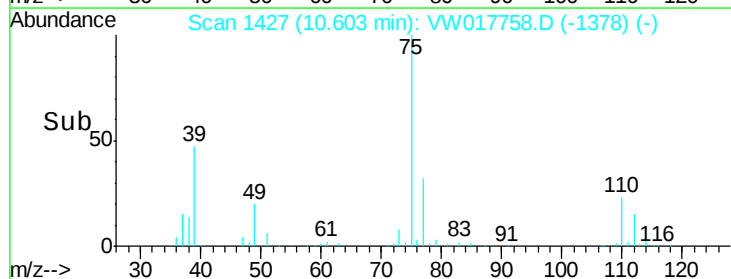
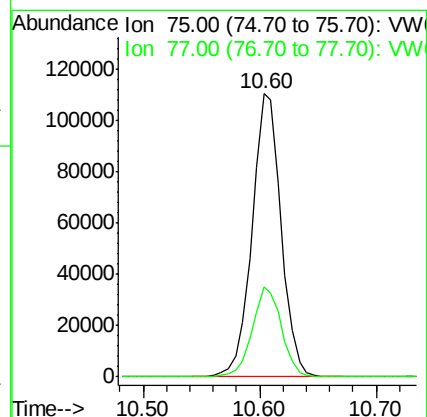
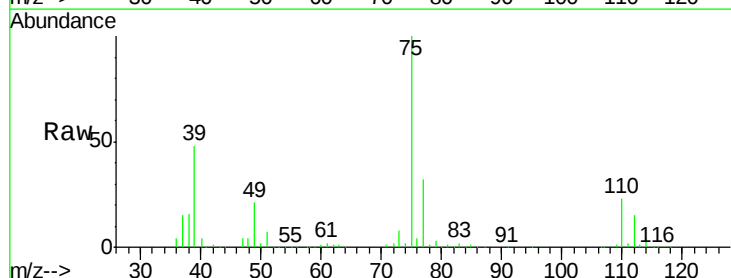
Acq: 28 Dec 2020 11:48

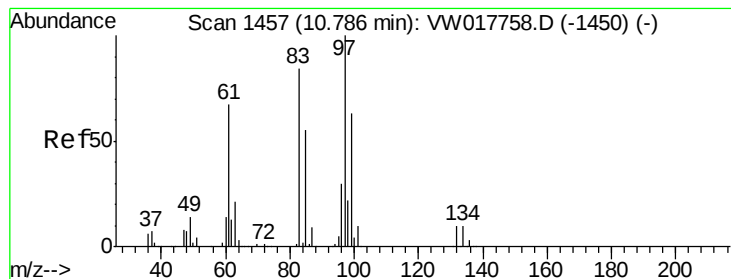
Tgt Ion: 75 Resp: 191456

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 27.159 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampled :

VSTD025104

Tgt Ion: 97 Resp: 101145

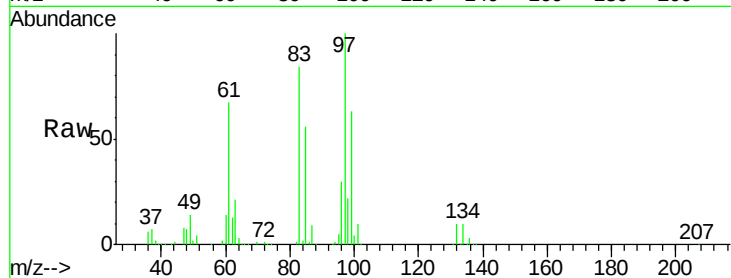
Ion Ratio Lower Upper

97 100

99 62.9 44.0 81.8

83 84.5 59.1 109.9

85 55.6 38.9 72.3

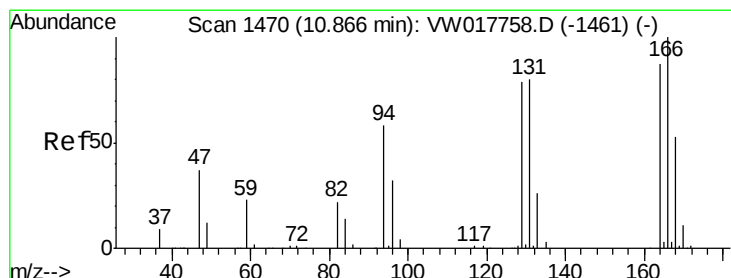
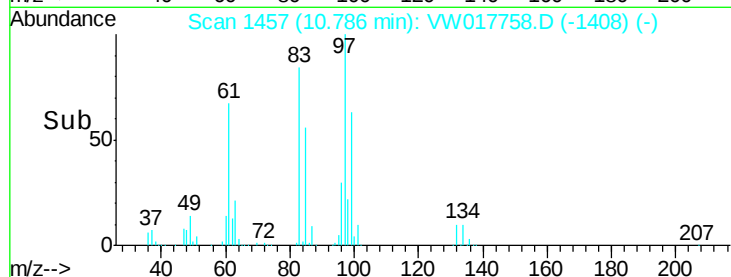
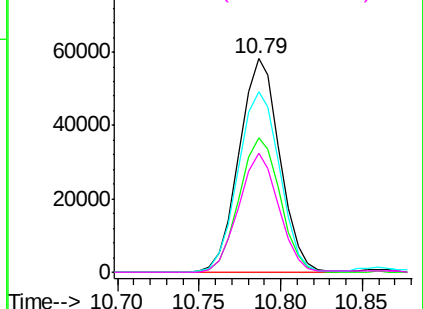


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 25.632 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Tgt Ion: 164 Resp: 112062

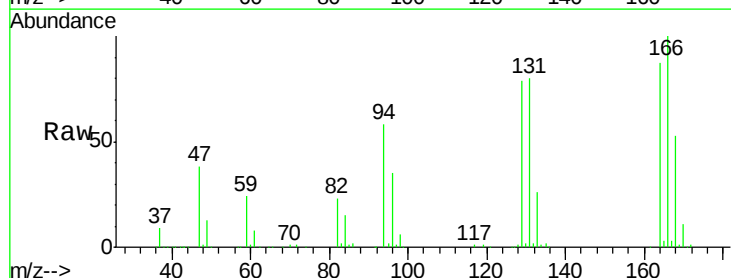
Ion Ratio Lower Upper

164 100

129 90.5 63.3 117.7

131 91.2 63.8 118.6

166 114.7 80.3 149.1

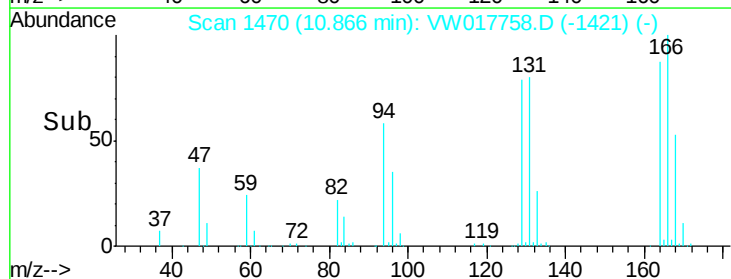
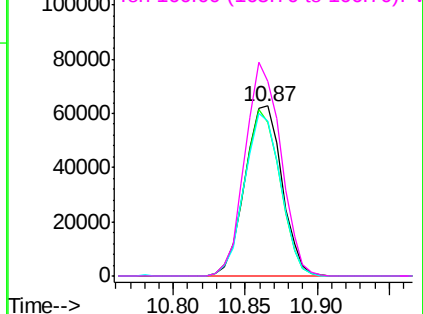


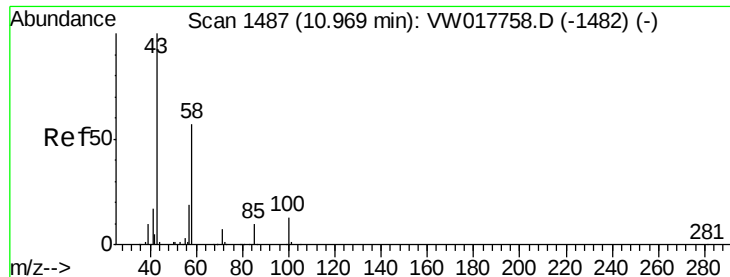
Abundance Ion 164.00 (163.70 to 164.70): V

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

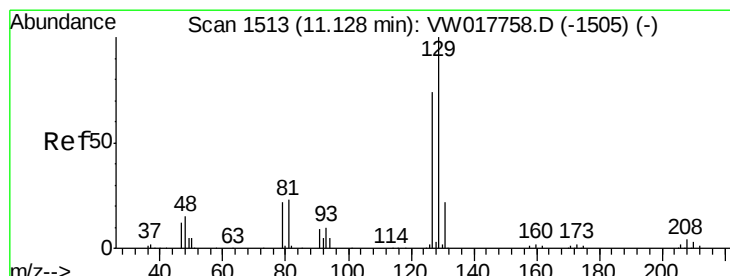
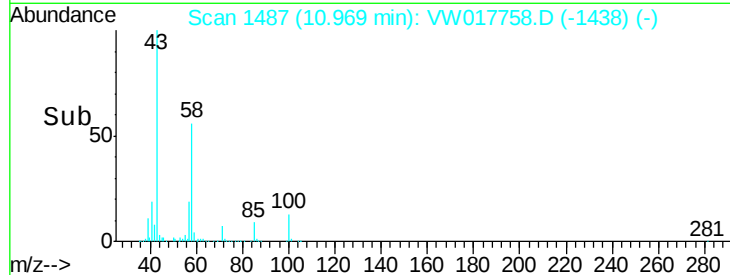
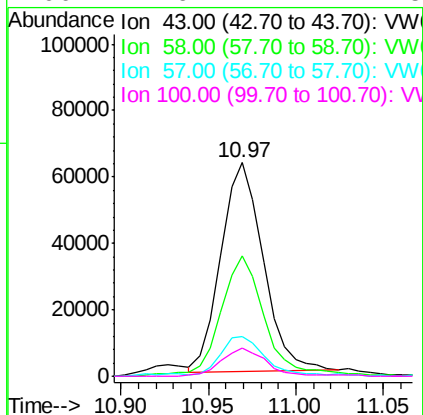
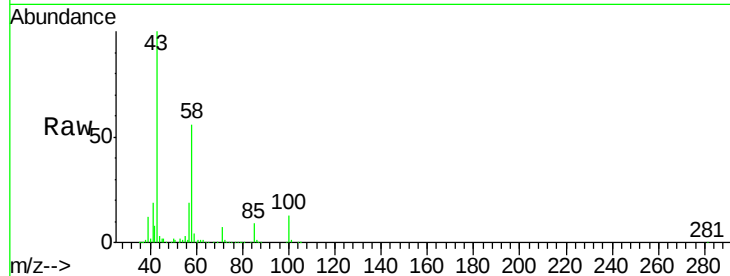




#48
2-Hexanone
Concen: 58.215 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

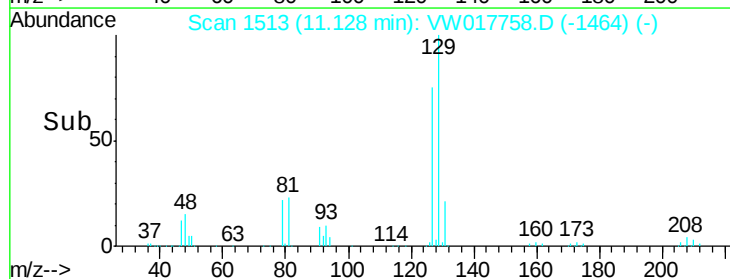
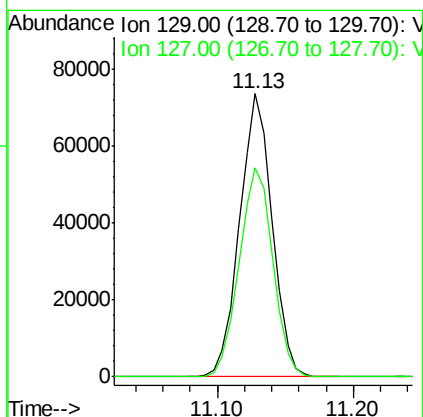
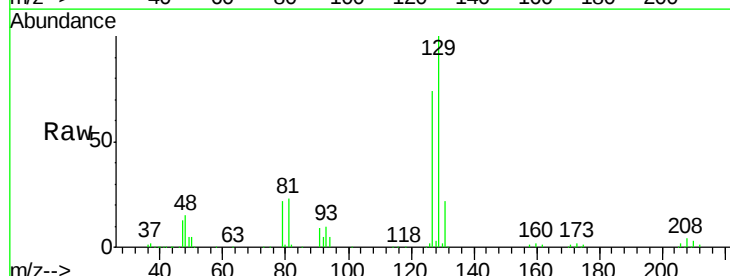
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

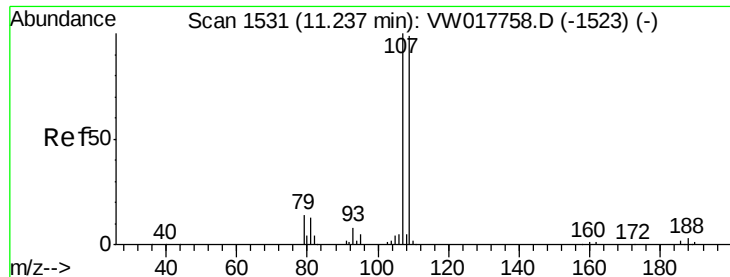
Tgt Ion: 43 Resp: 105660
Ion Ratio Lower Upper
43 100
58 58.5 46.8 70.2
57 18.3 14.6 22.0
100 14.6 11.7 17.5



#49
Dibromochloromethane
Concen: 26.725 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion: 129 Resp: 122669
Ion Ratio Lower Upper
129 100
127 73.7 51.6 95.8

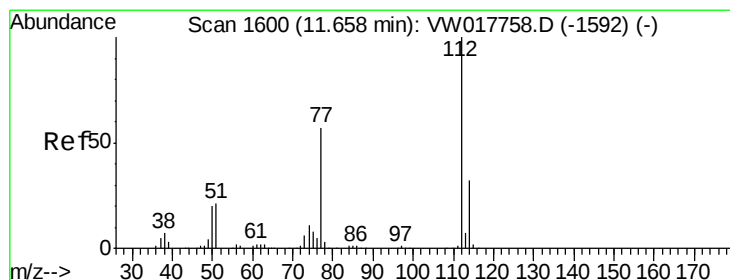
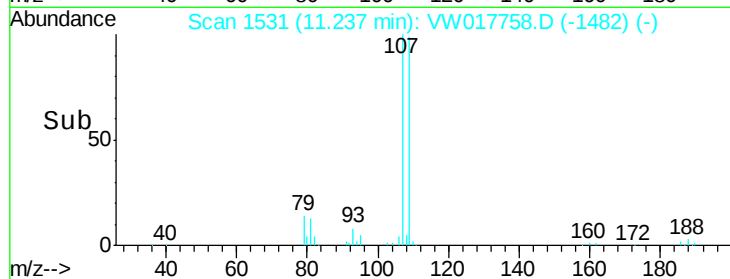
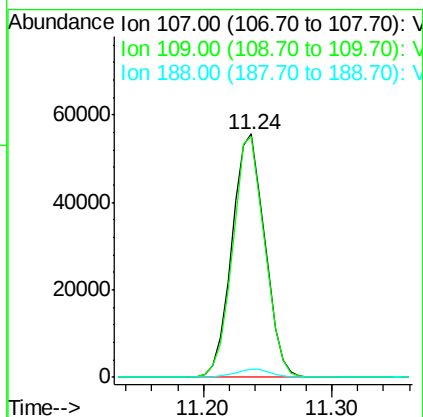
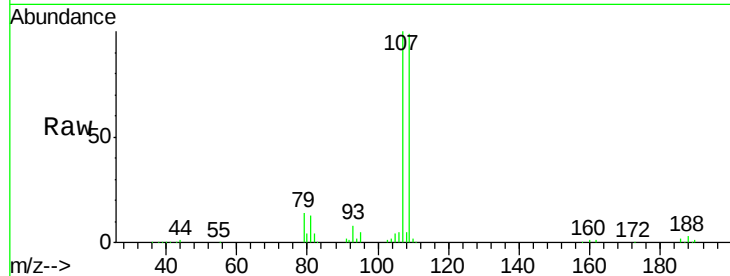




#50
1,2-Dibromoethane
Concen: 27.035 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

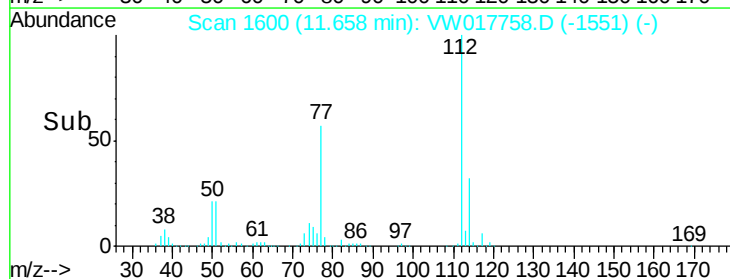
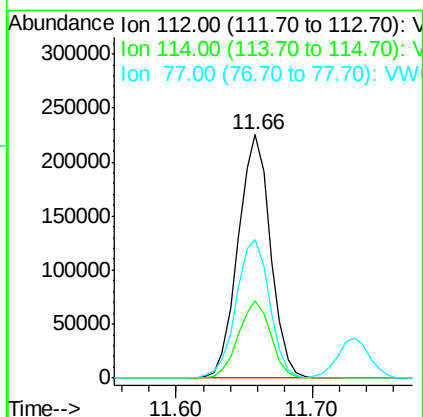
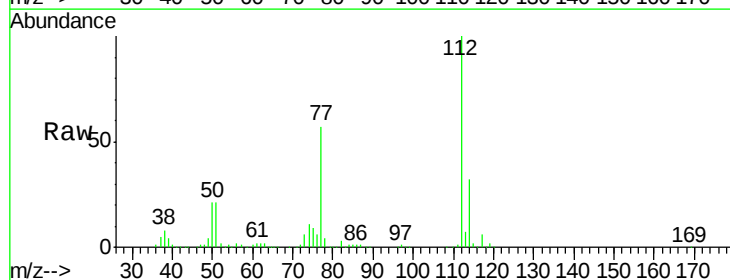
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

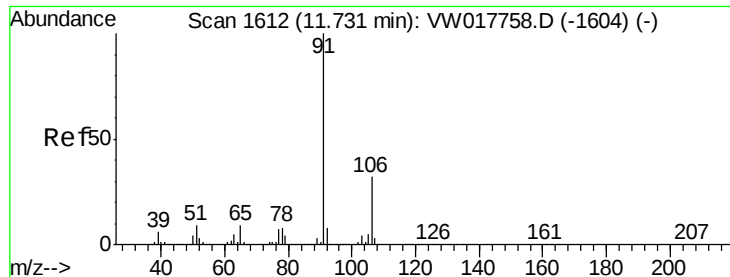
Tgt Ion:107 Resp: 98439
Ion Ratio Lower Upper
107 100
109 99.0 69.3 128.7
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 27.064 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion:112 Resp: 372829
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 57.2 45.8 68.6





#52

Ethylbenzene

Concen: 28.188 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

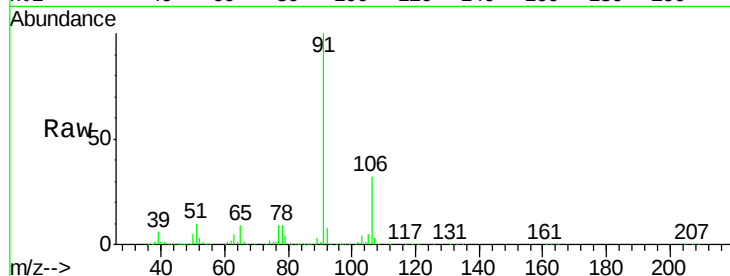
VSTD025104

Tgt Ion: 91 Resp: 666214

Ion Ratio Lower Upper

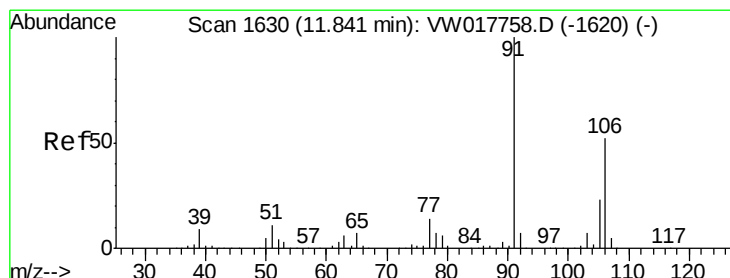
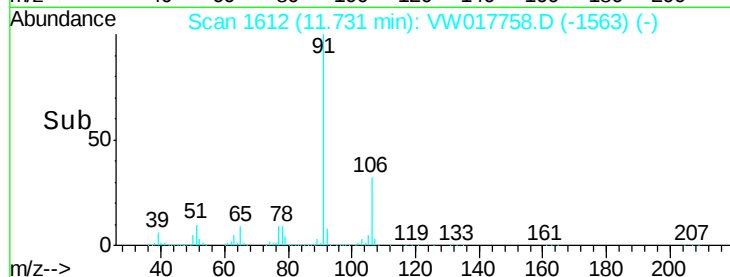
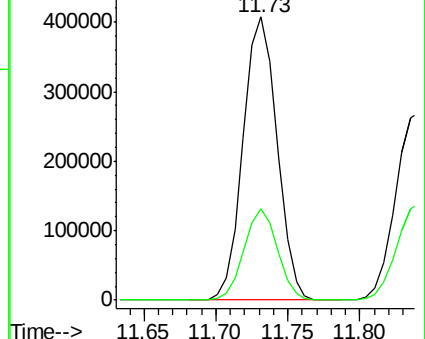
91 100

106 32.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 28.893 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017758.D

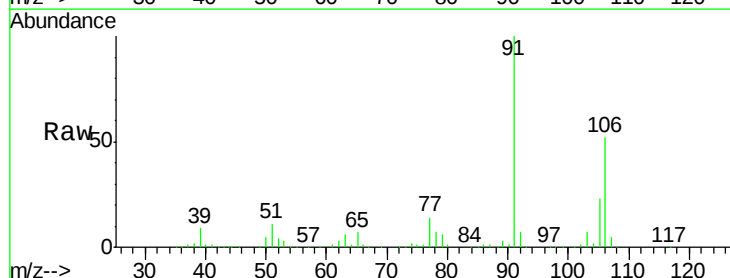
Acq: 28 Dec 2020 11:48

Tgt Ion: 106 Resp: 260444

Ion Ratio Lower Upper

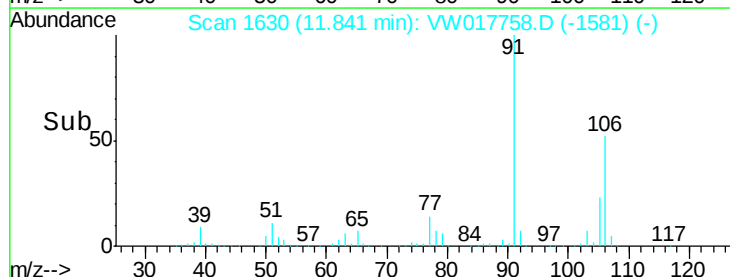
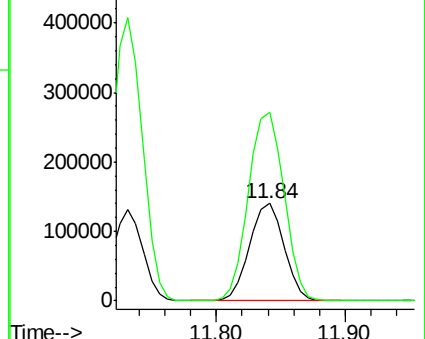
106 100

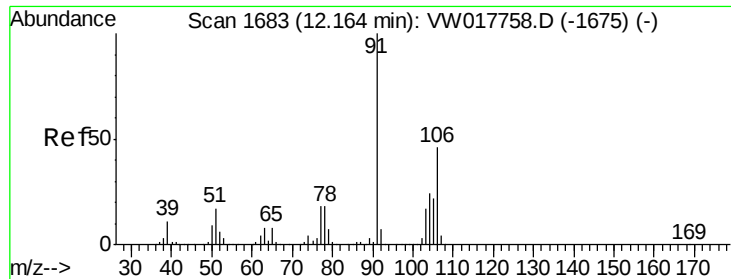
91 193.7 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

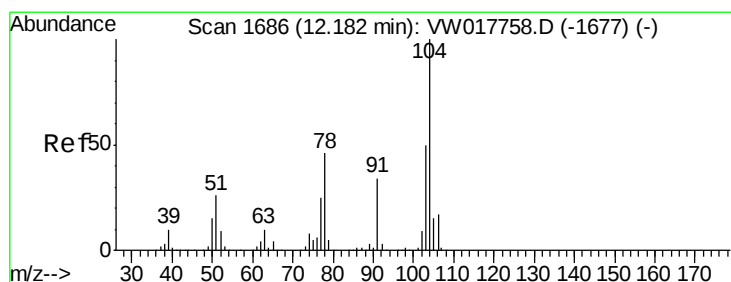
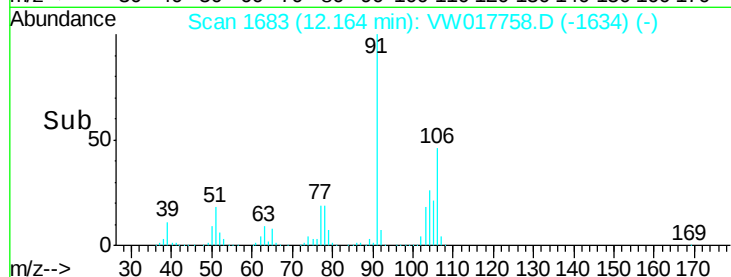
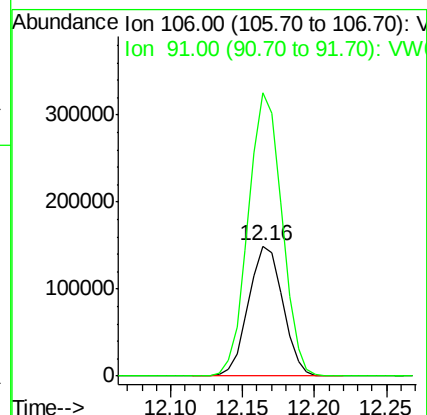
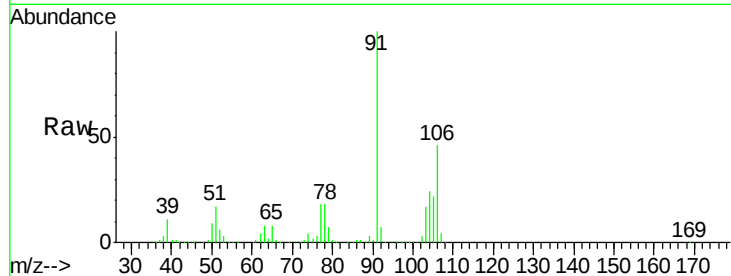




#54
o-Xylene
Concen: 28.832 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

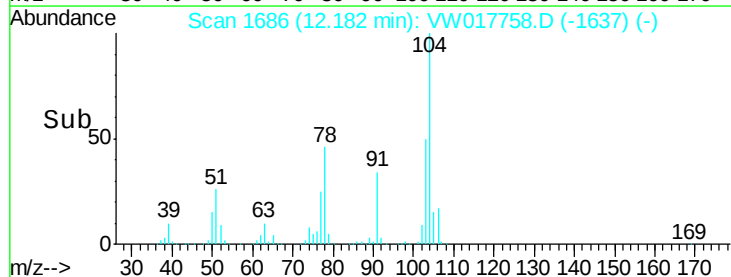
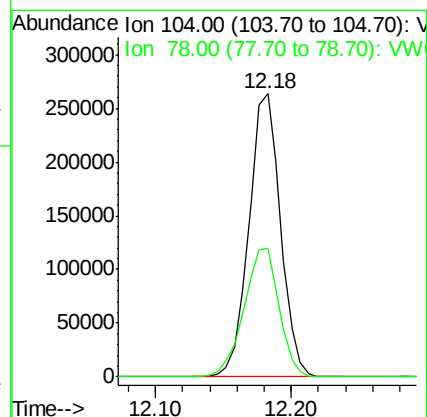
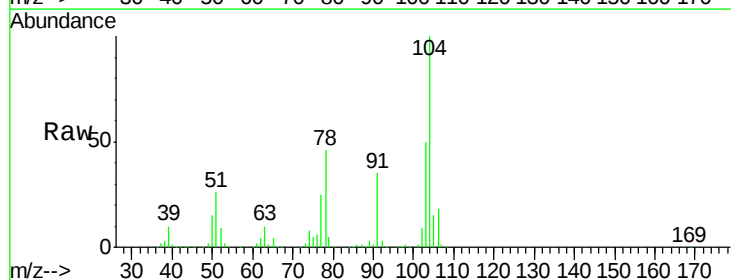
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

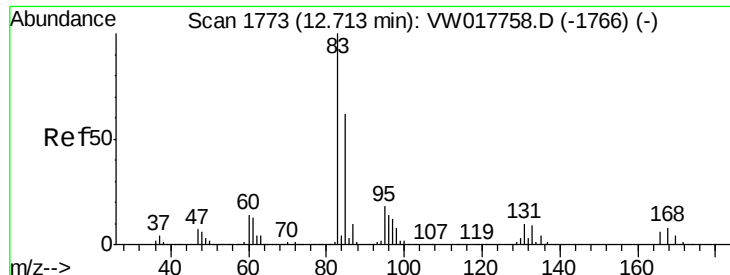
Tgt Ion:106 Resp: 246112
Ion Ratio Lower Upper
106 100
91 217.4 152.2 282.6



#55
Styrene
Concen: 29.389 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion:104 Resp: 428509
Ion Ratio Lower Upper
104 100
78 45.6 31.9 59.3

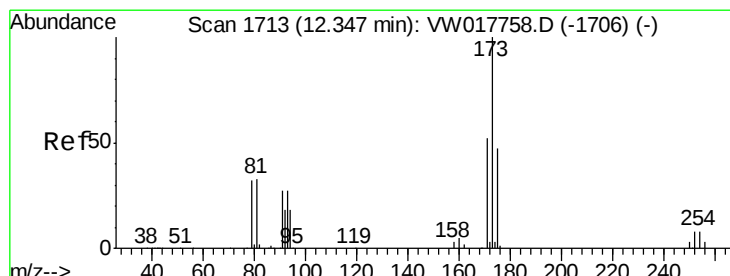
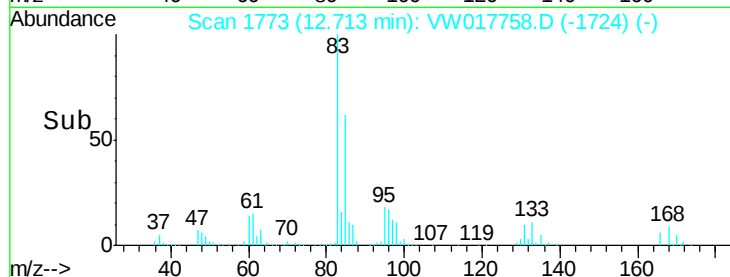
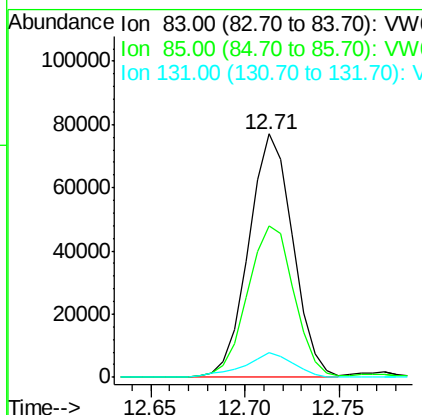
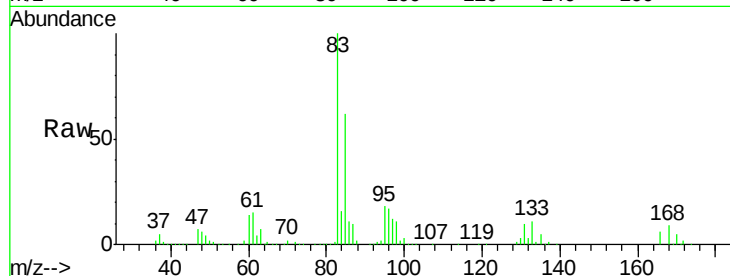




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.592 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

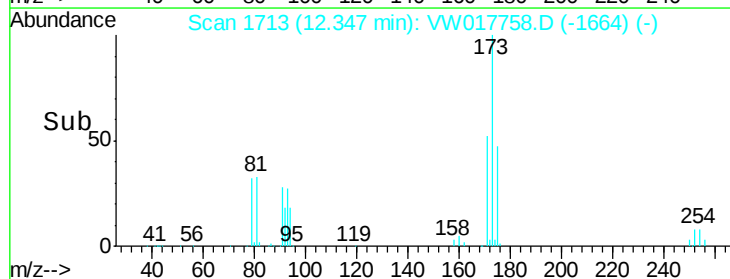
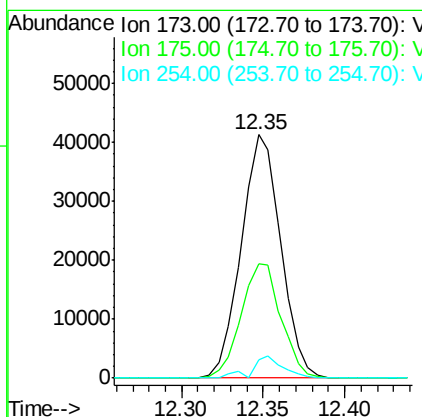
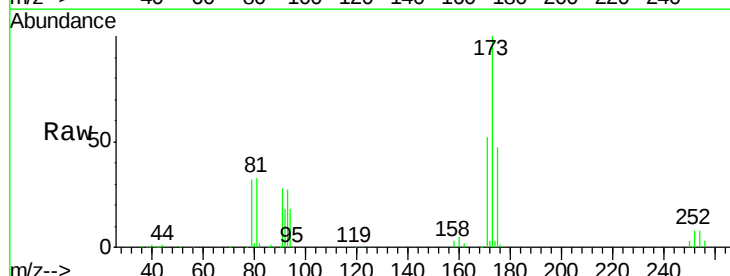
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

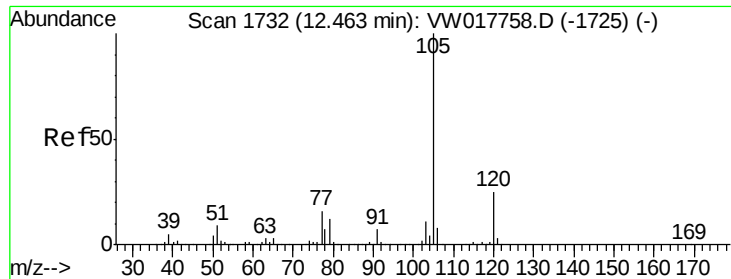
Tgt Ion: 83 Resp: 125341
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.5 80.7
 131 10.2 8.2 12.2



#59
 Bromoform
 Concen: 24.941 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion: 173 Resp: 69657
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.0 57.0
 254 6.0 4.8 7.2





#60

Isopropylbenzene

Concen: 28.021 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

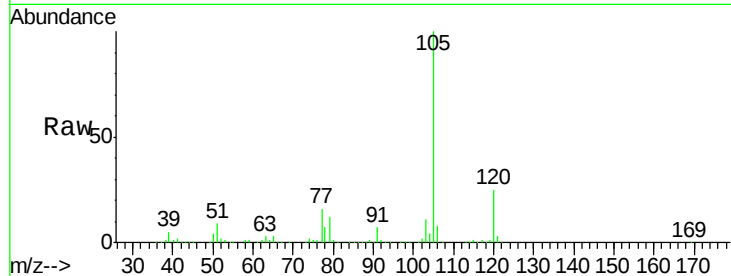
Tgt Ion: 105 Resp: 683525

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

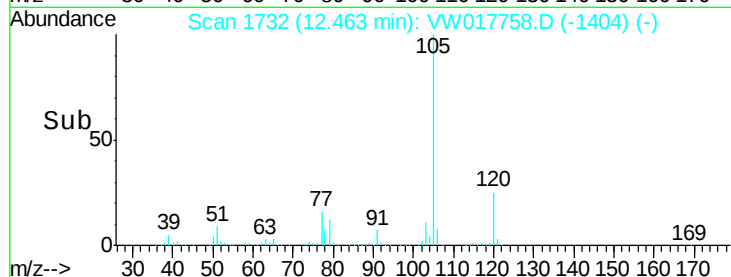
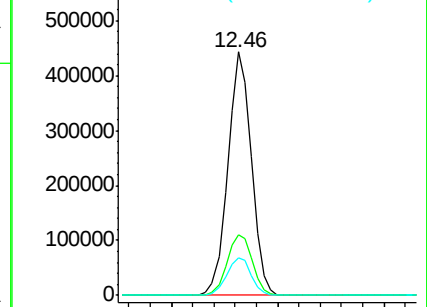
77 16.1 12.9 19.3



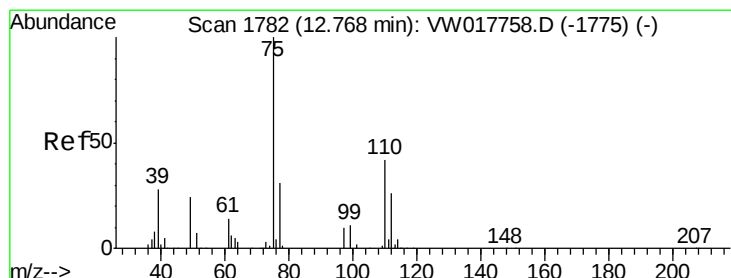
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#61

1,2,3-Trichloropropane

Concen: 27.921 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017758.D

Acq: 28 Dec 2020 11:48

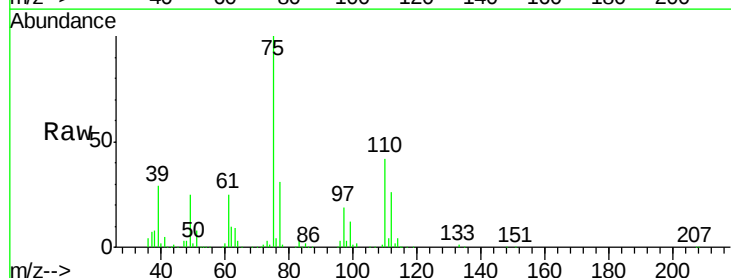
Tgt Ion: 75 Resp: 95378

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

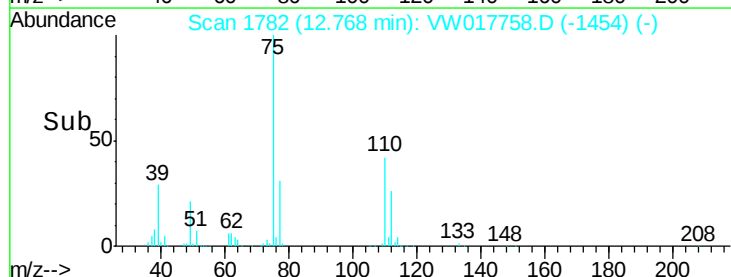
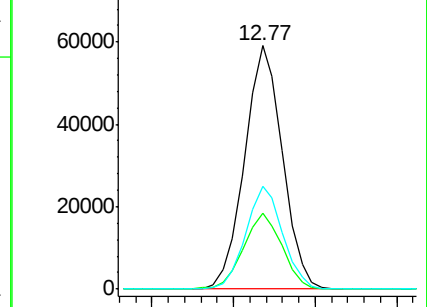
110 41.3 33.0 49.6



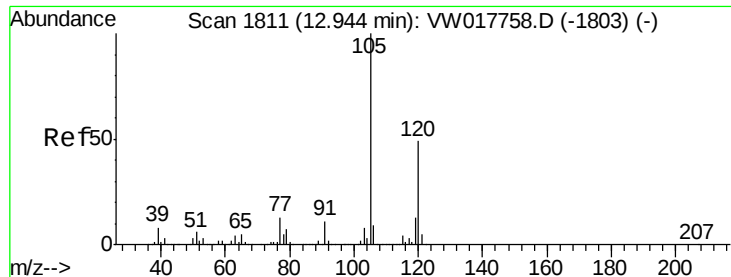
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V



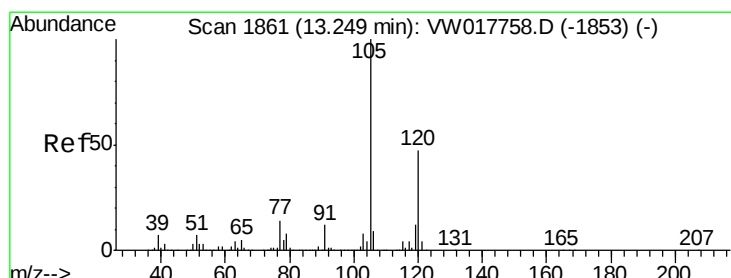
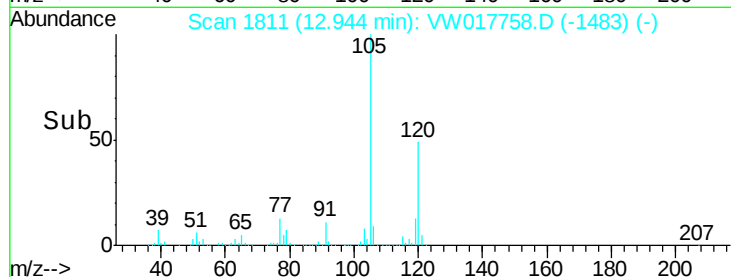
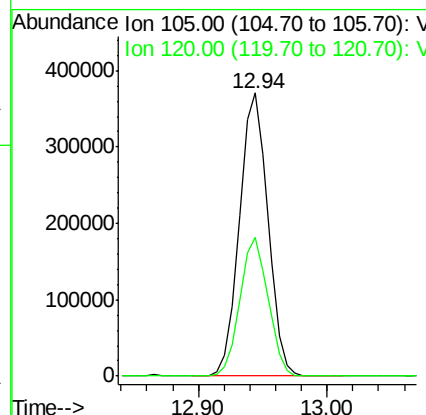
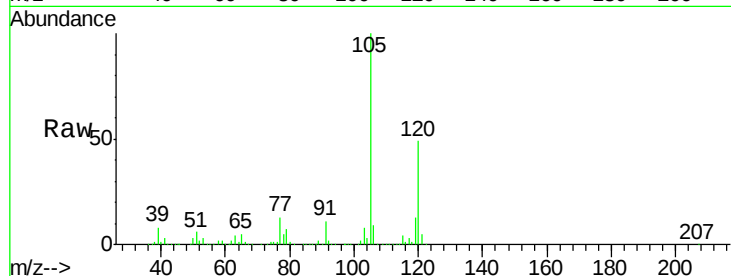
Time-->



#62
 1,3,5-Trimethylbenzene
 Concen: 28.586 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

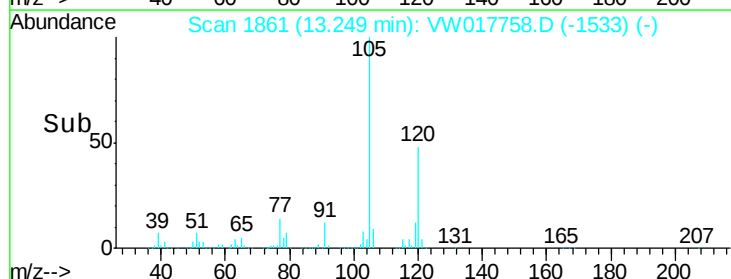
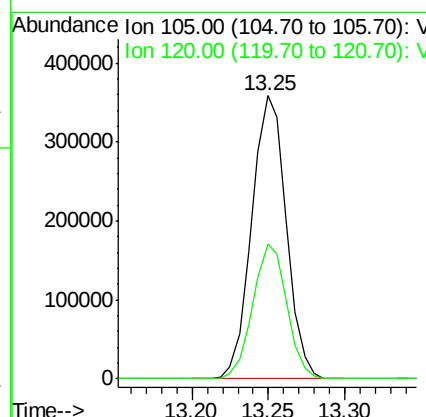
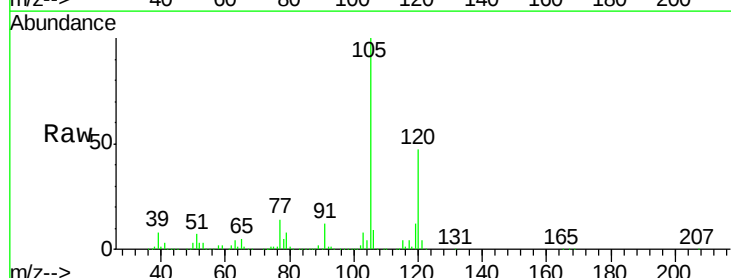
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

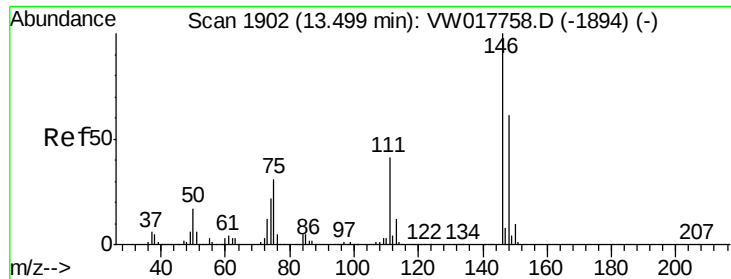
Tgt Ion:105 Resp: 568724
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 28.623 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion:105 Resp: 563471
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.5 56.3

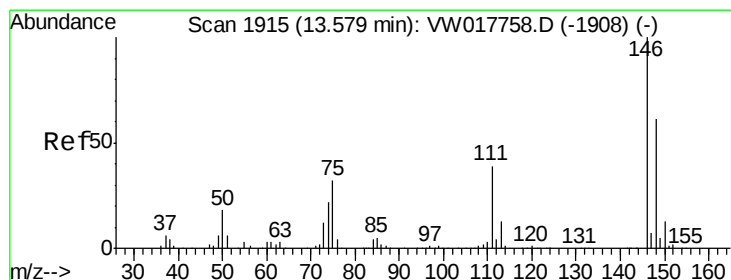
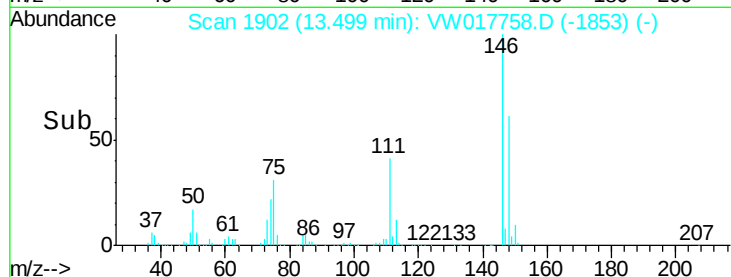
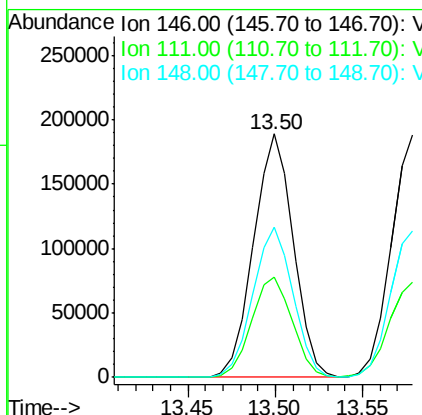
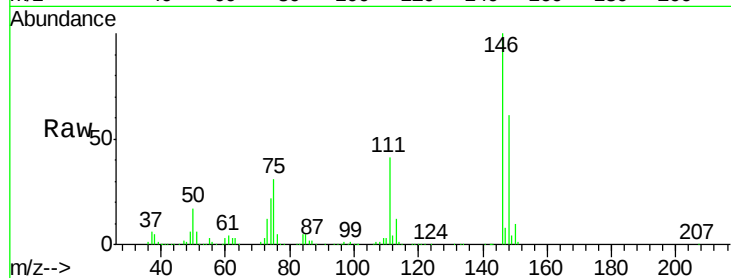




#64
 1,3-Dichlorobenzene
 Concen: 26.068 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

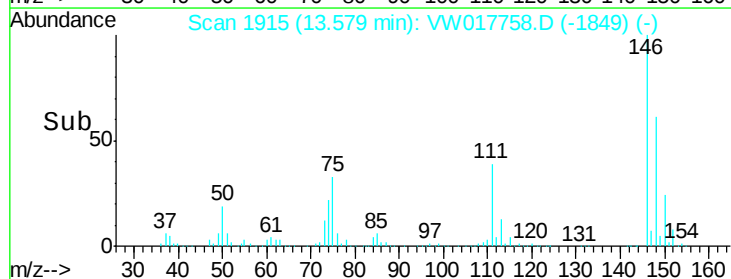
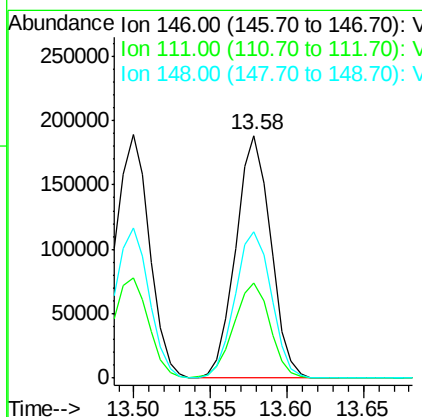
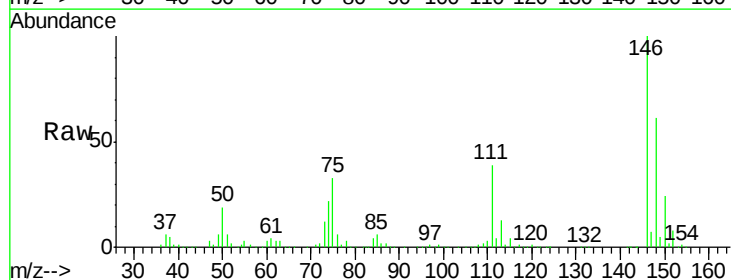
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

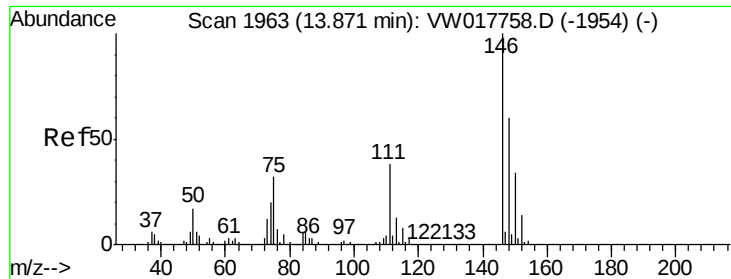
Tgt Ion:146 Resp: 298069
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.8 53.6
 148 61.5 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 25.767 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion:146 Resp: 298806
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 60.5 42.4 78.6

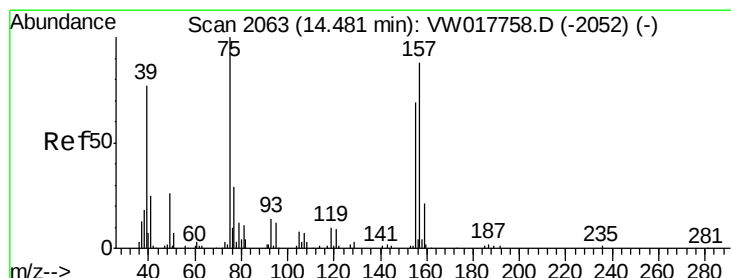
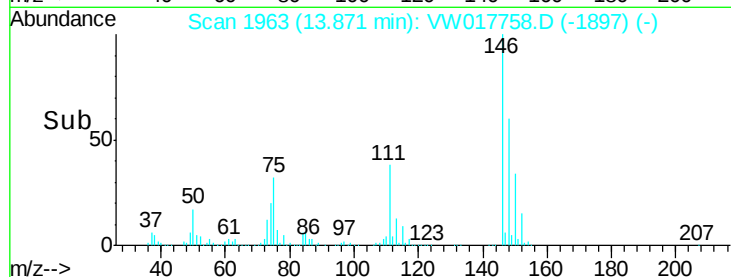
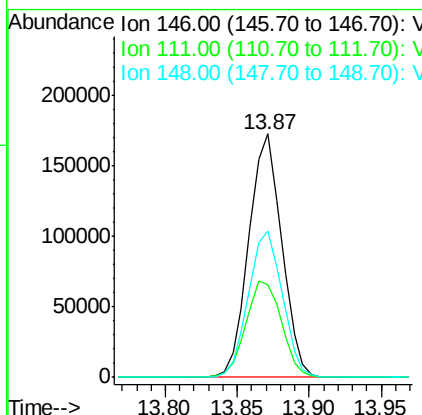
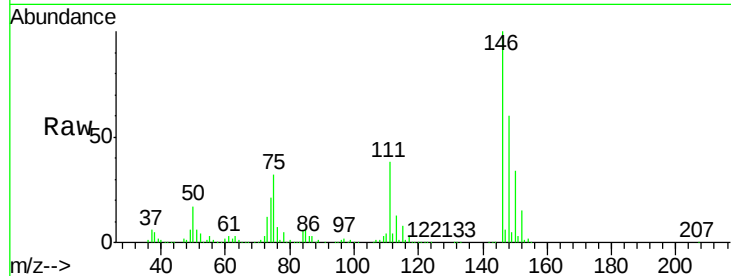




#67
 1,2-Dichlorobenzene
 Concen: 26.270 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

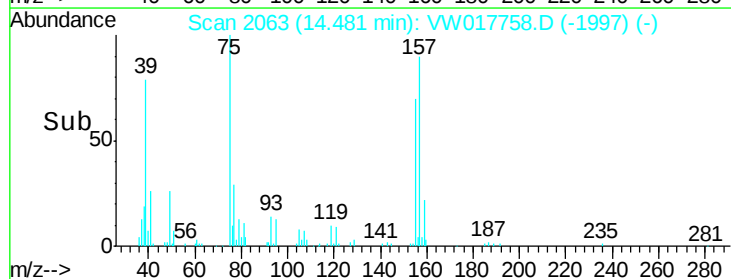
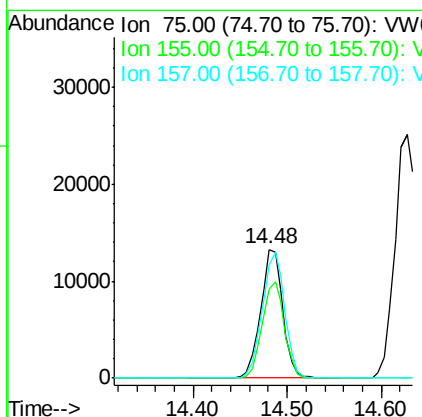
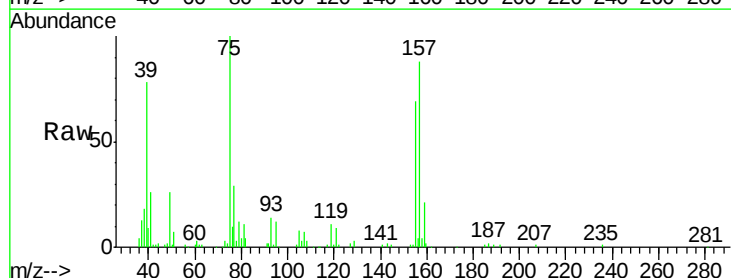
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

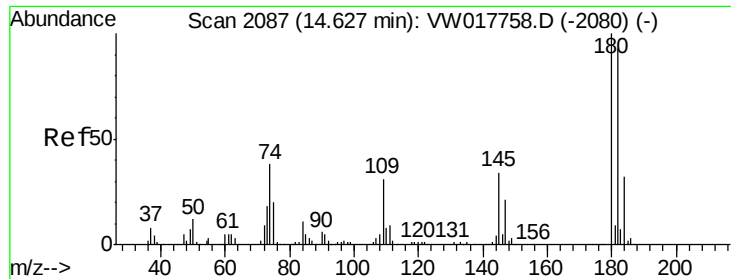
Tgt Ion: 146 Resp: 273246
 Ion Ratio Lower Upper
 146 100
 111 38.2 30.6 45.8
 148 60.1 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.002 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion: 75 Resp: 21857
 Ion Ratio Lower Upper
 75 100
 155 68.6 54.9 82.3
 157 88.0 70.4 105.6

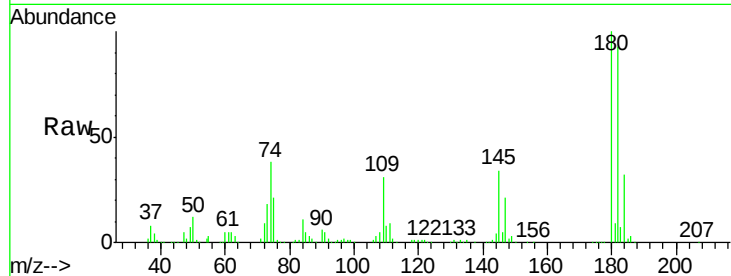




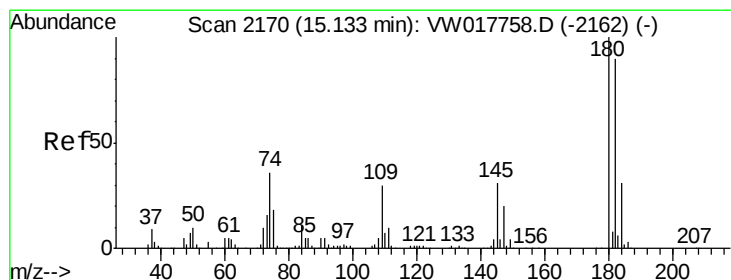
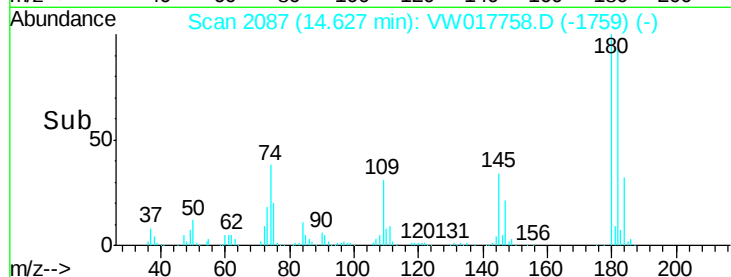
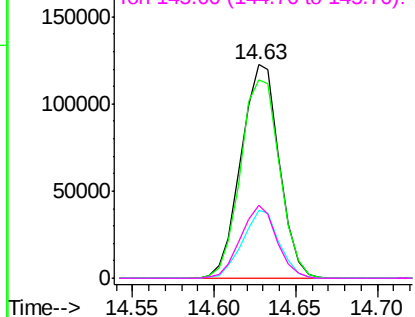
#69
 1,3,5-Trichlorobenzene
 Concen: 24.494 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

Tgt Ion:	180	Resp:	200529
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.3	24.2	36.4
145	32.0	25.6	38.4

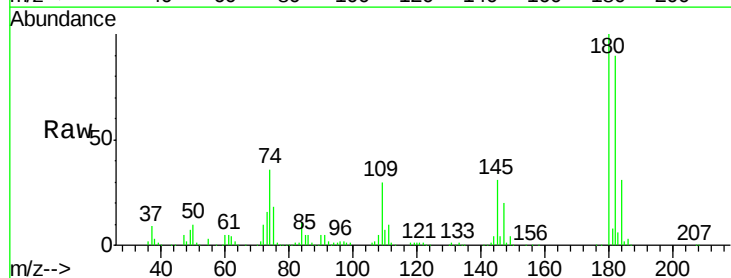


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

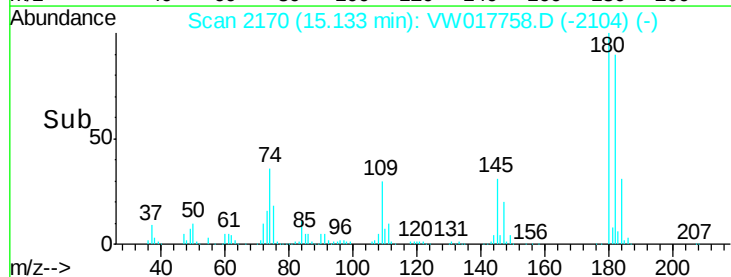
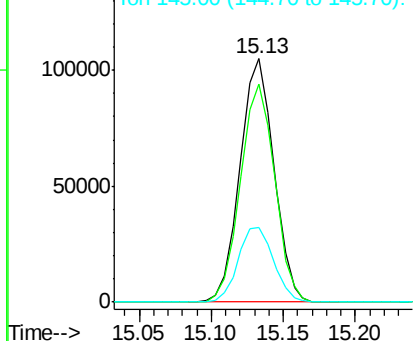


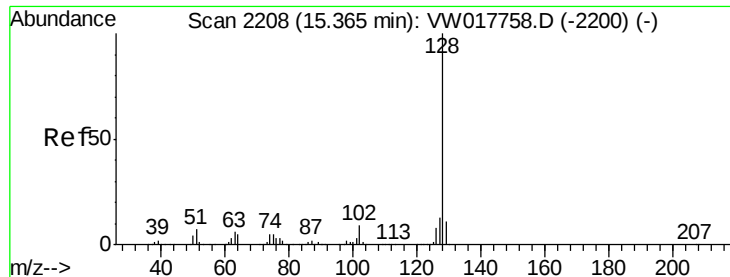
#70
 1,2,4-trichlorobenzene
 Concen: 24.763 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017758.D
 Acq: 28 Dec 2020 11:48

Tgt Ion:	180	Resp:	171566
Ion	Ratio	Lower	Upper
180	100		
182	90.4	72.3	108.5
145	32.0	25.6	38.4



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

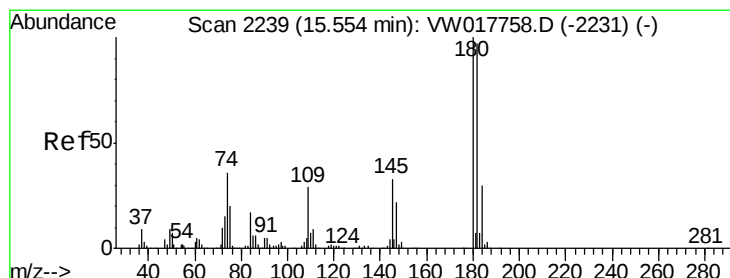
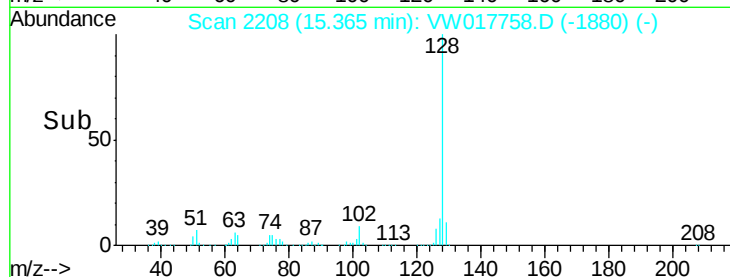
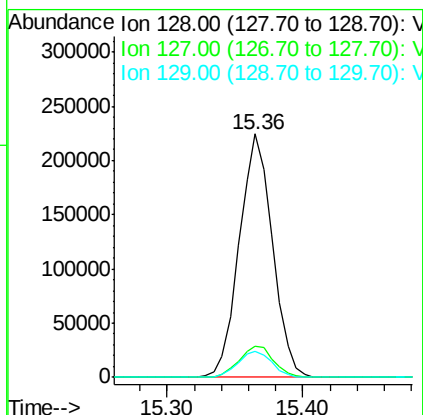
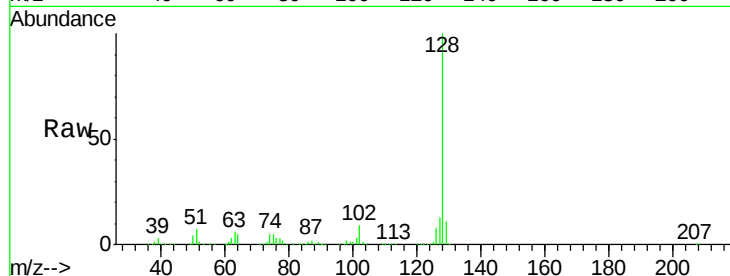




#71
Naphthalene
Concen: 31.332 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

Tgt Ion:128 Resp: 381959
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 25.381 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017758.D
Acq: 28 Dec 2020 11:48

Tgt Ion:180 Resp: 152723
Ion Ratio Lower Upper
180 100
182 93.1 74.5 111.7
145 33.9 27.1 40.7

