

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
 Data File : VW017760.D
 Acq On : 28 Dec 2020 12:35
 Operator : SY/VA
 Sample : VSTD10006
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

Quant Time: Dec 28 13:41:55 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	393245	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	366928	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	200920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	503752	96.26	ug/L	0.00
7) Chloroethane-d5	2.89	69	456269	110.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	952836	89.97	ug/L	0.00
21) 2-Butanone-d5	7.07	46	266990	207.11	ug/L	0.00
24) Chloroform-d	7.65	84	1019171	95.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	567964	99.07	ug/L	0.00
32) Benzene-d6	8.27	84	1951365	94.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	564301	95.76	ug/L	0.00
41) Toluene-d8	10.32	98	1912613	100.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	296040	107.67	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	199188	233.25	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	523358	107.72	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	688616	92.61	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	406029	121.843	ug/L	93
3) Chloromethane	2.21	50	387231	116.039	ug/L	99
5) Vinyl chloride	2.37	62	604312	120.495	ug/L	99
6) Bromomethane	2.78	94	514410	146.484	ug/L	100
8) Chloroethane	2.92	64	400487	125.718	ug/L	100
9) Trichlorofluoromethane	3.26	101	485372	105.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	484330	92.657	ug/L	98
12) 1,1-Dichloroethene	4.04	96	465244	93.354	ug/L	95
13) Acetone	4.12	43	194204	190.745	ug/L	100
14) Carbon disulfide	4.39	76	1463509	102.947	ug/L	99
15) Methyl Acetate	4.67	43	227668	109.126	ug/L	99
16) Methylene chloride	4.92	84	495891	85.526	ug/L	99
17) trans-1,2-Dichloroethene	5.42	96	526595	100.718	ug/L	98
18) Methyl tert-butyl Ether	5.42	73	673986	109.035	ug/L	99
19) 1,1-Dichloroethane	6.21	63	932844	103.063	ug/L	97
20) cis-1,2-Dichloroethene	7.17	96	567456	101.708	ug/L	96
22) 2-Butanone	7.17	43	297614	193.775	ug/L	99
23) Bromochloromethane	7.51	128	266215	102.869	ug/L	98
25) Chloroform	7.68	83	976723	101.227	ug/L	99
27) 1,2-Dichloroethane	8.40	62	680560	108.786	ug/L	97
29) Cyclohexane	7.96	56	842882	106.602	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	830283	101.104	ug/L	98
31) Carbon tetrachloride	8.07	117	813406	102.268	ug/L	100
33) Benzene	8.32	78	2091599	101.469	ug/L	100
34) Trichloroethene	9.09	95	575882	101.358	ug/L	97
35) Methylcyclohexane	9.34	83	995193	107.432	ug/L	99
37) 1,2-Dichloropropane	9.37	63	507111	101.078	ug/L	99
38) Bromodichloromethane	9.65	83	760093	108.041	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	905230	113.142	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	666830	233.235	ug/L	98

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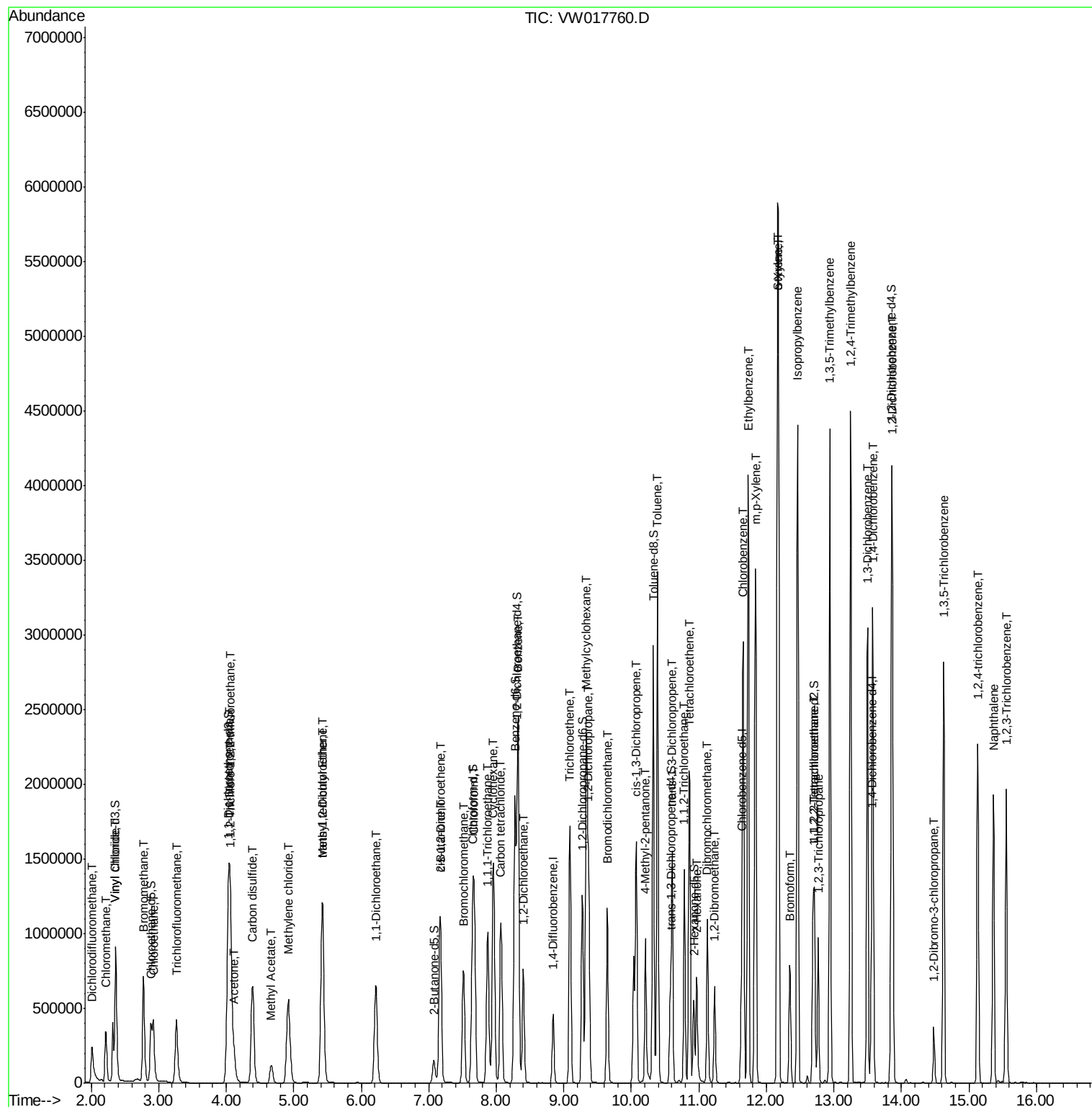
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	2476705	110.633	ug/L	97
44) trans-1,3-Dichloropropene	10.60	75	819508	114.193	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	422972	106.268	ug/L	97
46) Tetrachloroethene	10.86	164	457963	98.012	ug/L	97
48) 2-Hexanone	10.97	43	469626	242.104	ug/L	96
49) Dibromochloromethane	11.13	129	552447	112.614	ug/L	92
50) 1,2-Dibromoethane	11.23	107	429458	110.357	ug/L	93
51) Chlorobenzene	11.66	112	1548831	105.198	ug/L	99
52) Ethylbenzene	11.73	91	2805231	111.055	ug/L	100
53) m,p-Xylene	11.84	106	1134463	117.760	ug/L	99
54) o-Xylene	12.16	106	1079293	118.304	ug/L	94
55) Styrene	12.18	104	1864885	119.674	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	515591	110.047	ug/L	96
59) Bromoform	12.35	173	337498	109.060	ug/L #	95
60) Isopropylbenzene	12.46	105	2910018	107.664	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	384386	101.552	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	2391150	108.467	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	2417779	110.842	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	1239944	97.866	ug/L	95
65) 1,4-Dichlorobenzene	13.58	146	1258411	97.934	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	1134499	98.435	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.48	75	93189	107.749	ug/L	85
69) 1,3,5-Trichlorobenzene	14.63	180	800745	88.271	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	695925	90.653	ug/L	98
71) Naphthalene	15.36	128	1618270	119.802	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	627631	94.134	ug/L	100

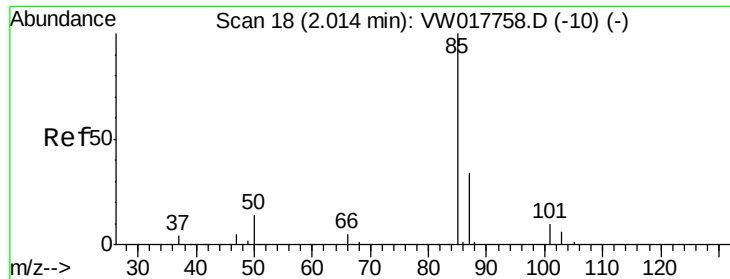
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 121.843 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

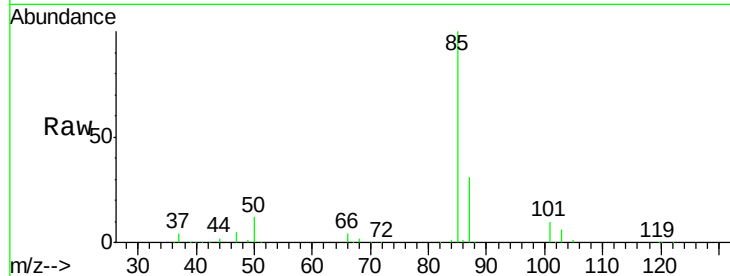
VSTD100106

Tgt Ion: 85 Resp: 406029

Ion Ratio Lower Upper

85 100

87 33.3 23.8 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

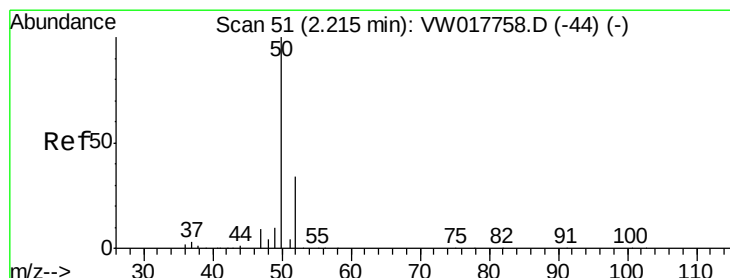
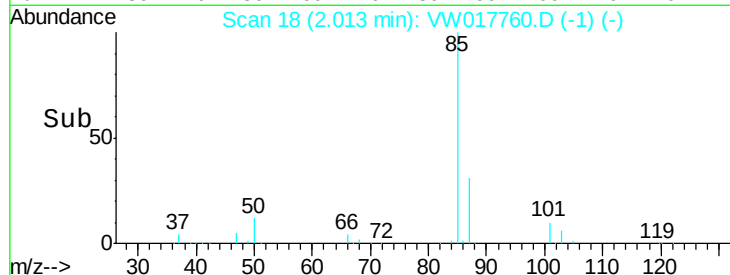
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 116.039 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017760.D

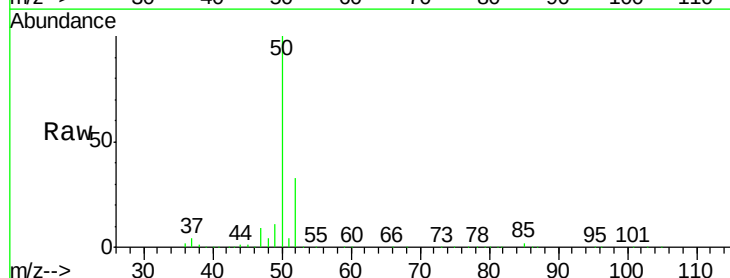
Acq: 28 Dec 2020 12:35

Tgt Ion: 50 Resp: 387231

Ion Ratio Lower Upper

50 100

52 33.1 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

200000

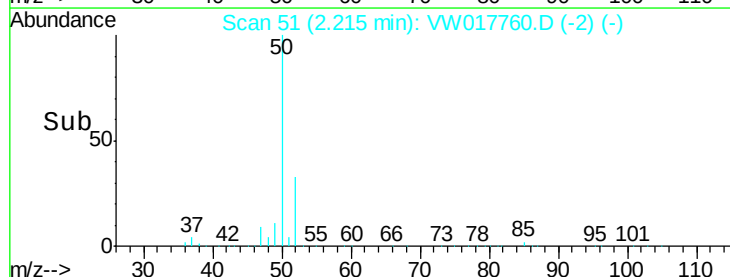
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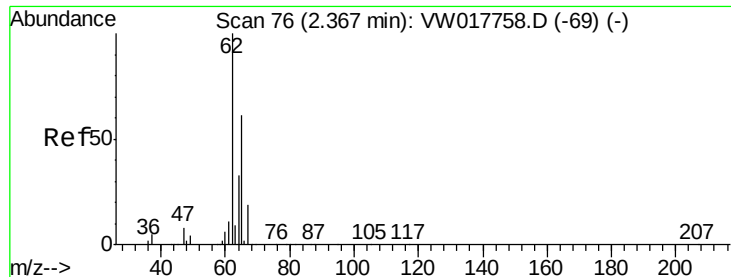
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 120.495 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

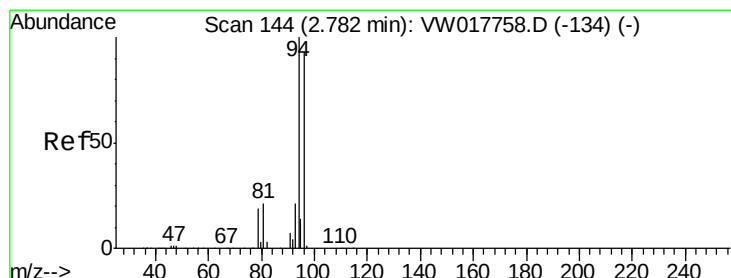
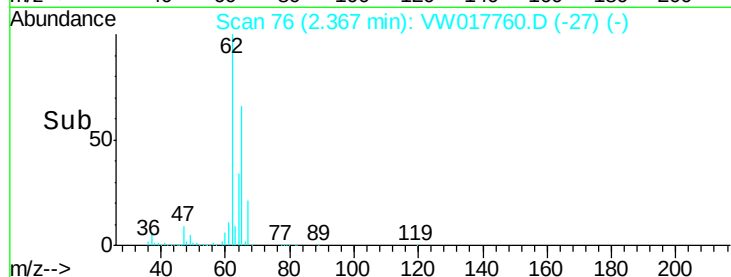
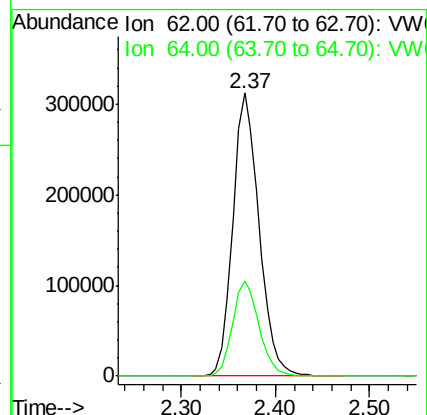
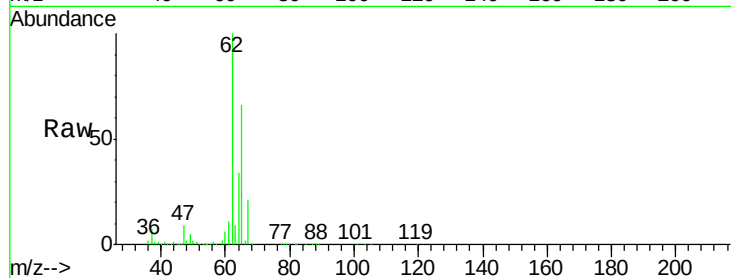
VSTD100106

Tgt Ion: 62 Resp: 604312

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.6



#6

Bromomethane

Concen: 146.484 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017760.D

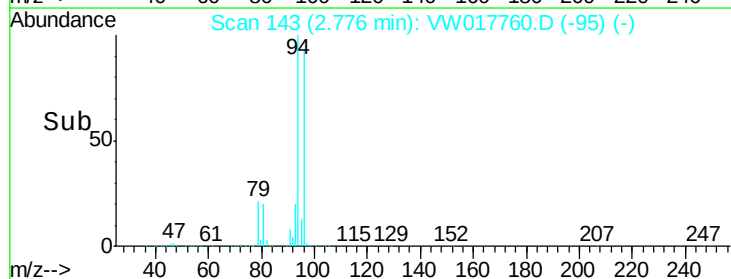
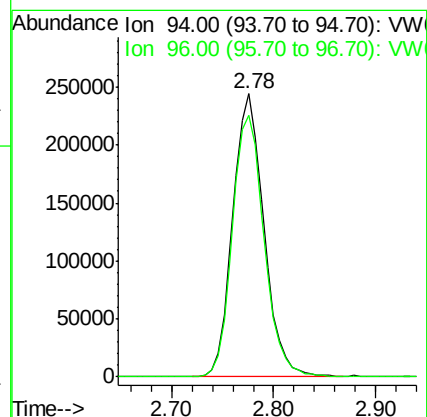
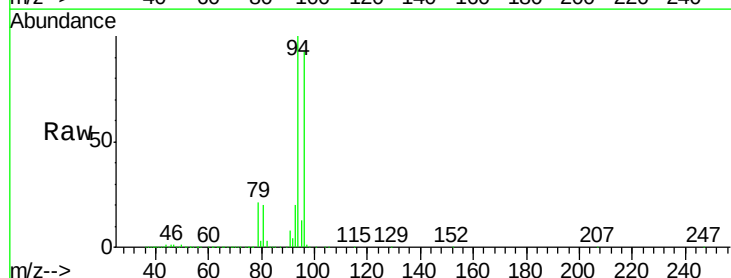
Acq: 28 Dec 2020 12:35

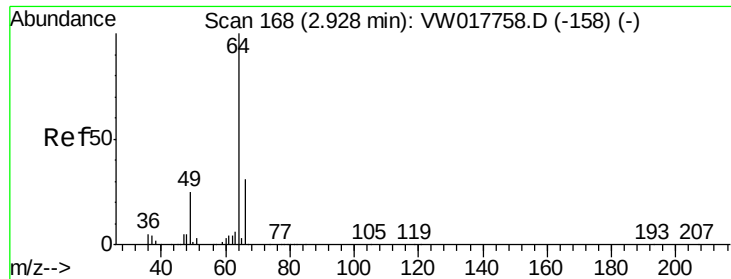
Tgt Ion: 94 Resp: 514410

Ion Ratio Lower Upper

94 100

96 92.6 65.0 120.6





#8

Chloroethane

Concen: 125.718 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

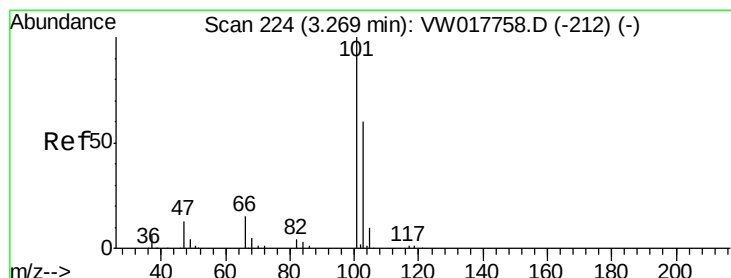
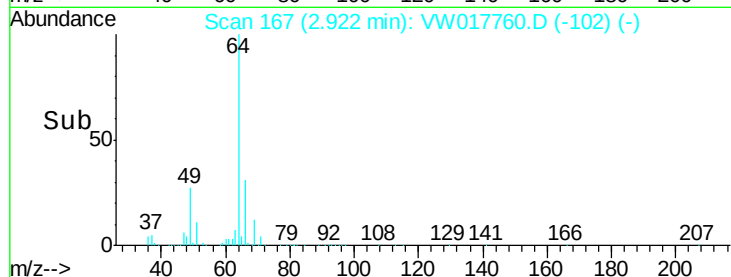
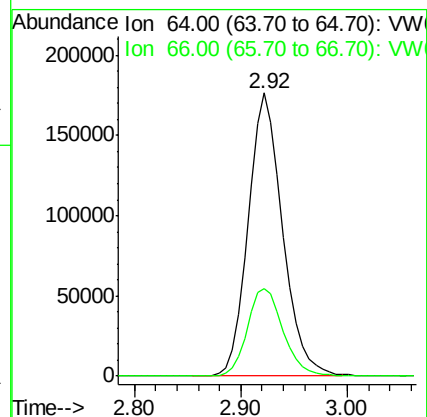
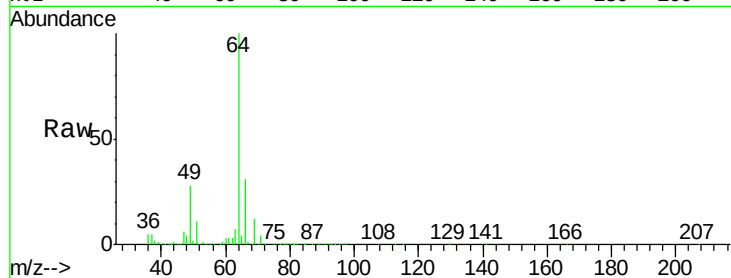
VSTD100106

Tgt Ion: 64 Resp: 400487

Ion Ratio Lower Upper

64 100

66 30.9 21.7 40.3



#9

Trichlorofluoromethane

Concen: 105.767 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017760.D

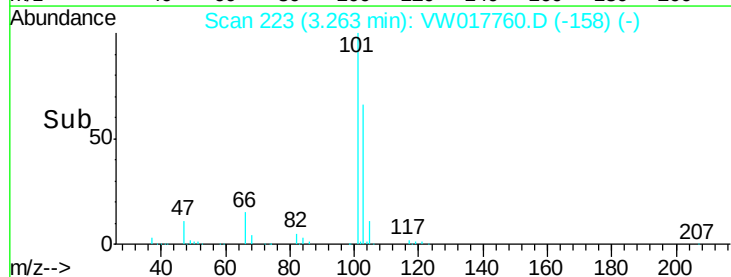
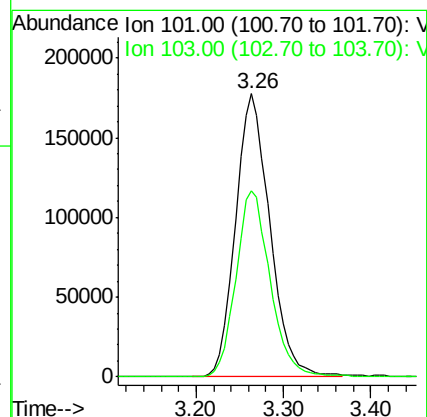
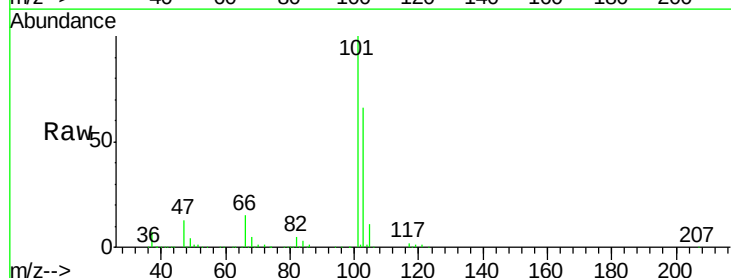
Acq: 28 Dec 2020 12:35

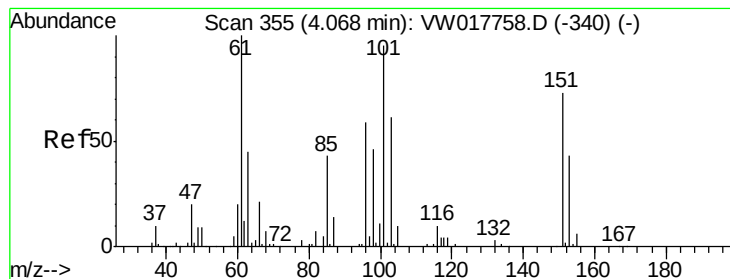
Tgt Ion: 101 Resp: 485372

Ion Ratio Lower Upper

101 100

103 65.3 51.8 77.8





#10

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

Concen: 92.657 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

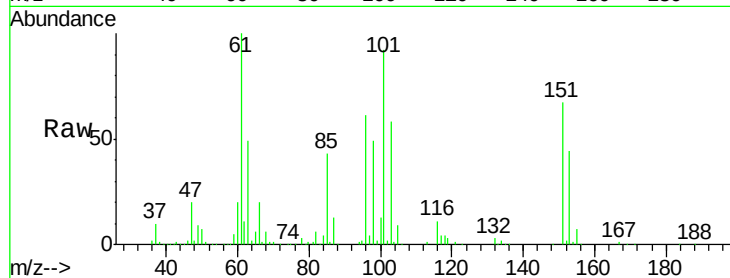
Tgt Ion:101 Resp: 484330

Ion Ratio Lower Upper

101 100

85 45.3 37.9 56.9

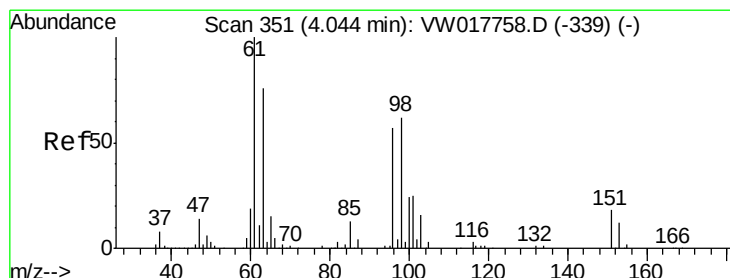
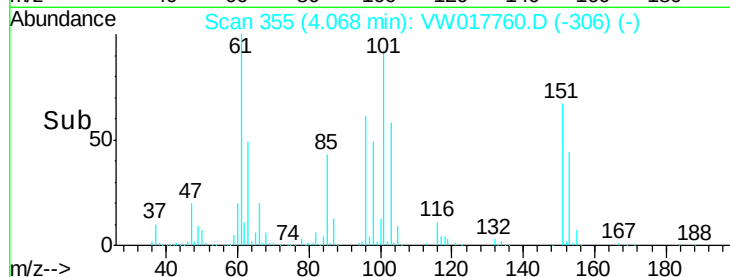
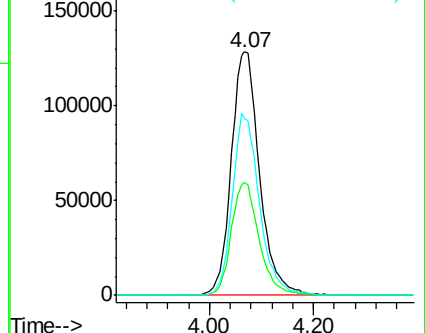
151 71.2 58.2 87.2



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: 93.354 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

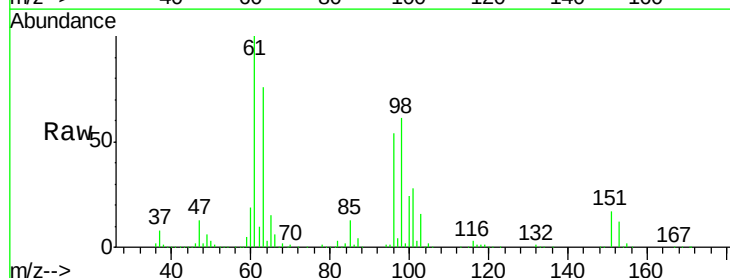
Tgt Ion: 96 Resp: 465244

Ion Ratio Lower Upper

96 100

61 186.7 123.7 229.7

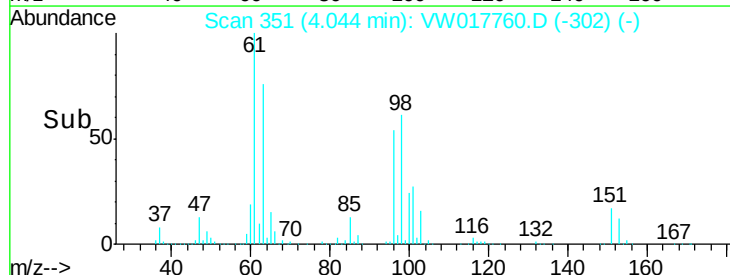
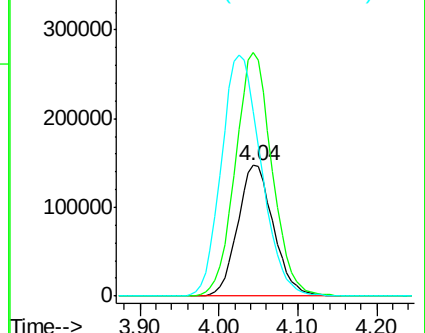
63 142.1 96.6 179.4

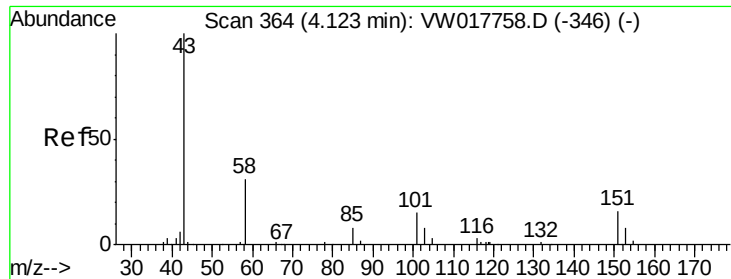


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 190.745 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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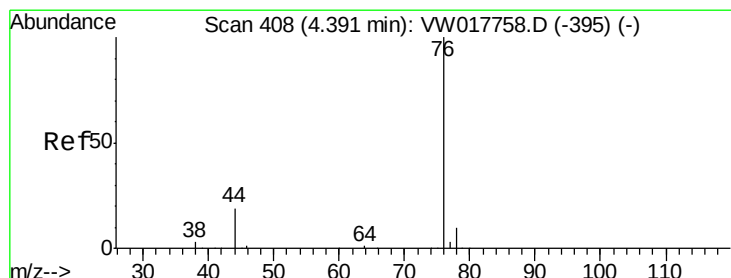
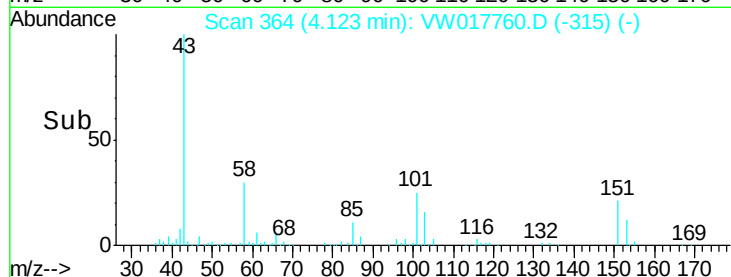
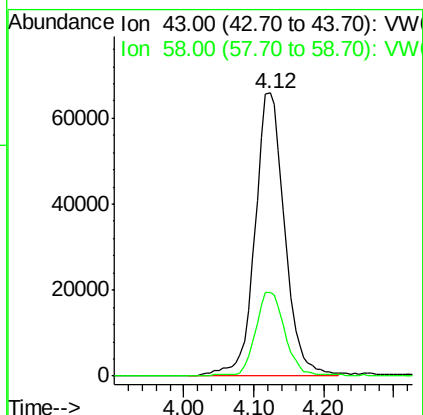
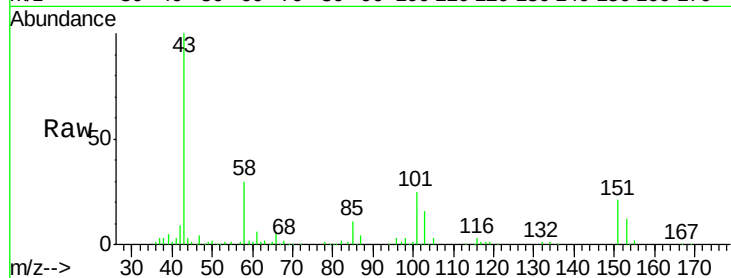
VSTD100106

Tgt Ion: 43 Resp: 194204

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.8



#14

Carbon disulfide

Concen: 102.947 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017760.D

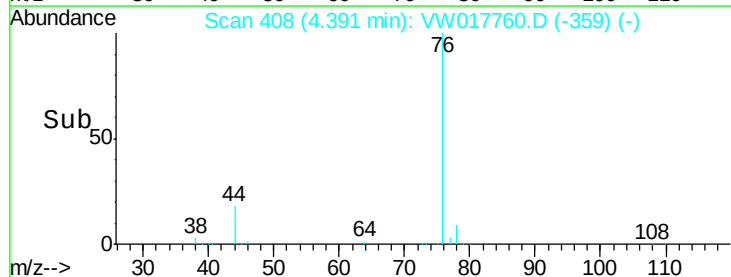
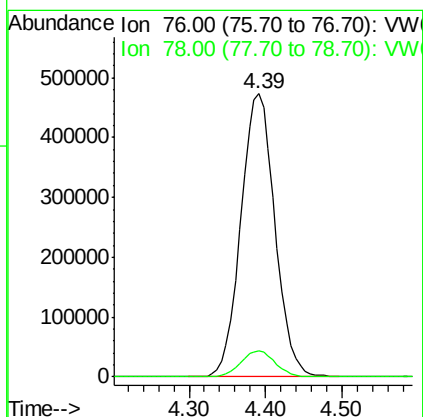
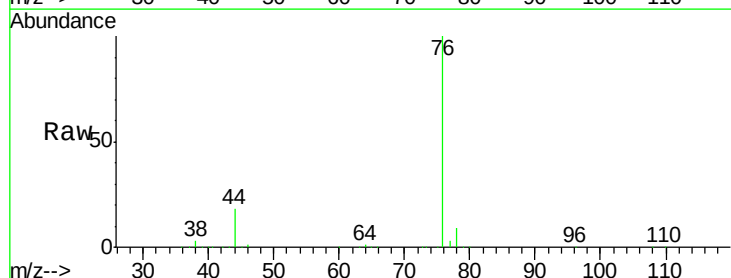
Acq: 28 Dec 2020 12:35

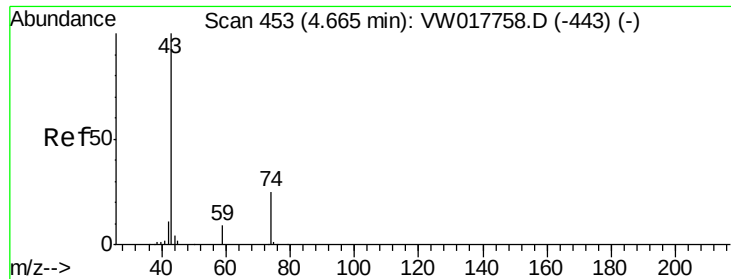
Tgt Ion: 76 Resp: 1463509

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5





#15

Methyl Acetate

Concen: 109.126 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

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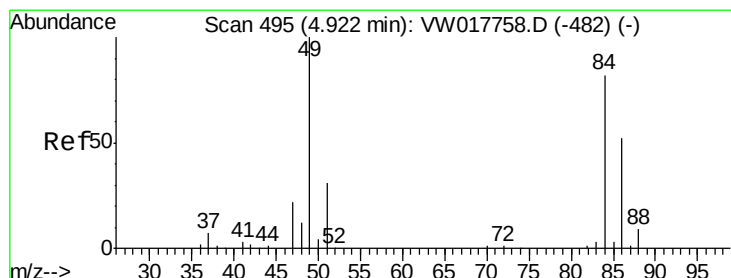
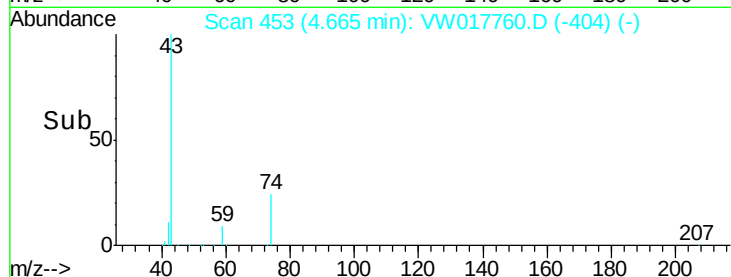
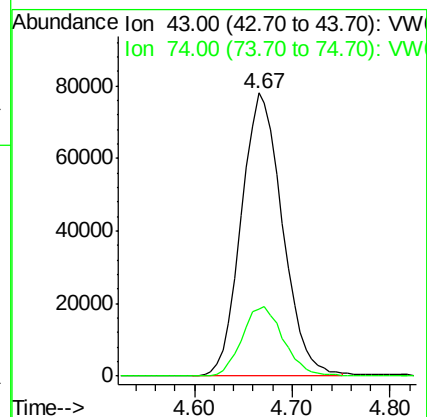
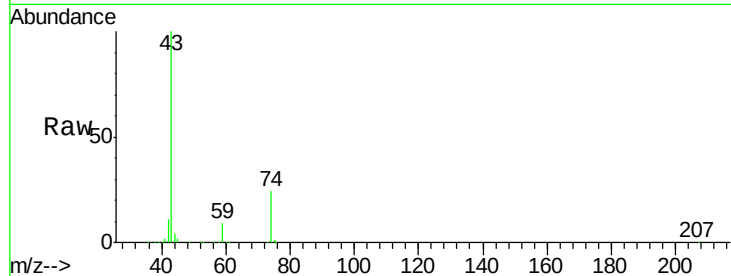
VSTD100106

Tgt Ion: 43 Resp: 227668

Ion Ratio Lower Upper

43 100

74 24.7 19.3 28.9



#16

Methylene chloride

Concen: 85.526 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

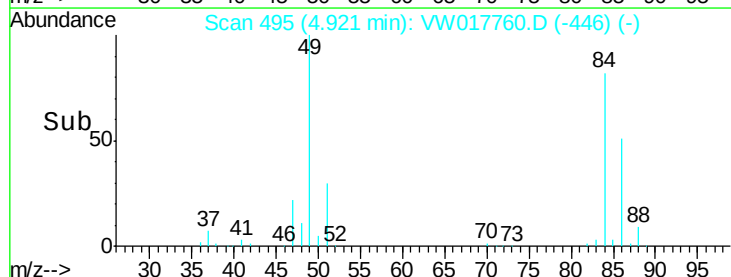
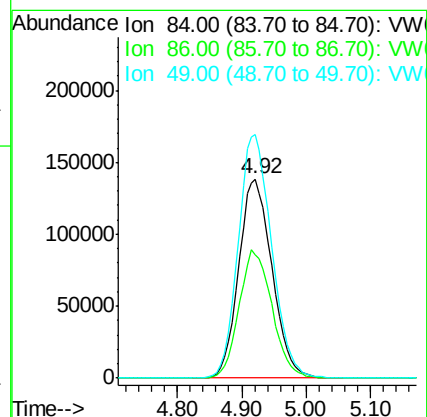
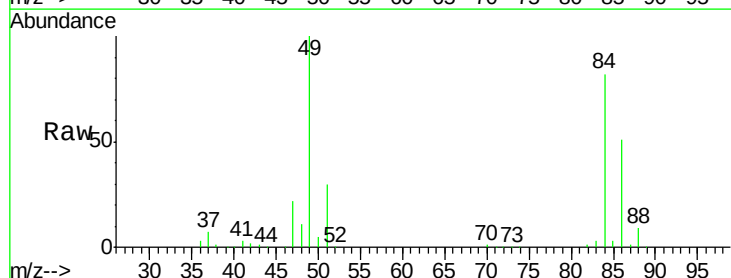
Tgt Ion: 84 Resp: 495891

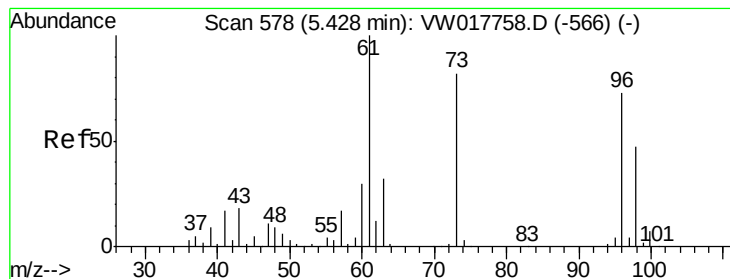
Ion Ratio Lower Upper

84 100

86 62.2 44.0 81.8

49 122.5 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 100.718 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

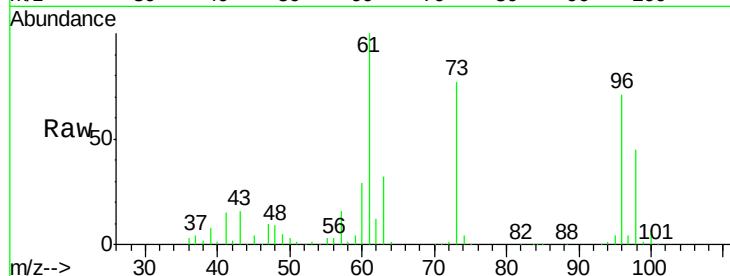
Tgt Ion: 96 Resp: 526595

Ion Ratio Lower Upper

96 100

61 140.0 96.0 178.4

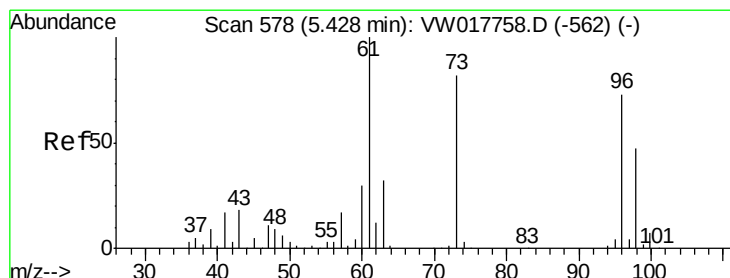
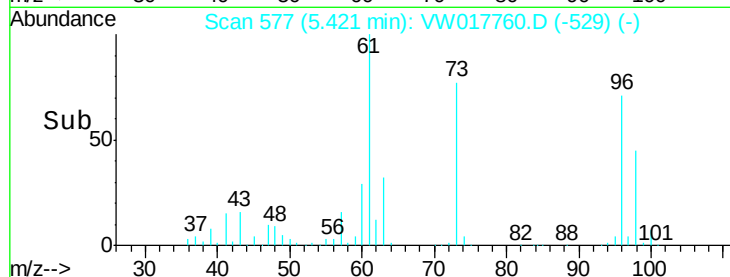
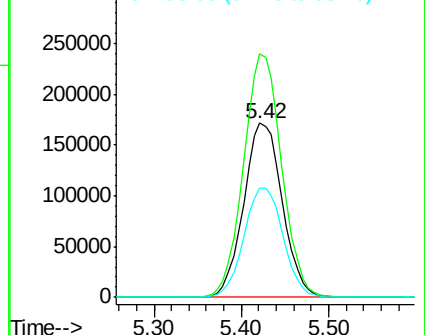
98 62.6 44.9 83.3



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: 109.035 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

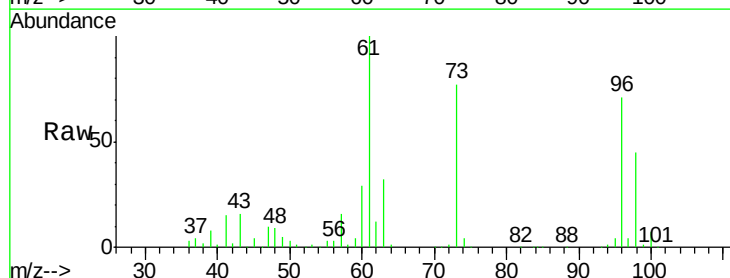
Tgt Ion: 73 Resp: 673986

Ion Ratio Lower Upper

73 100

43 20.9 17.4 26.0

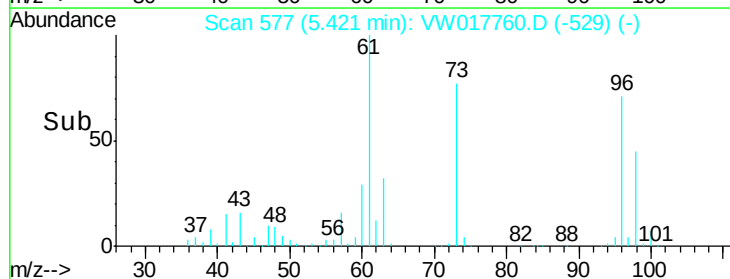
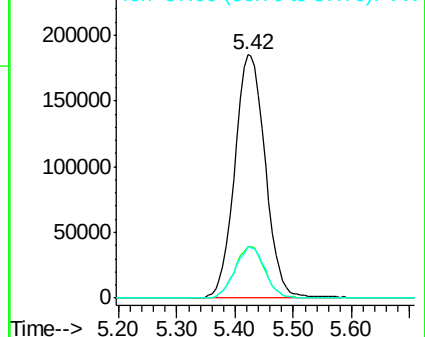
57 20.6 16.9 25.3

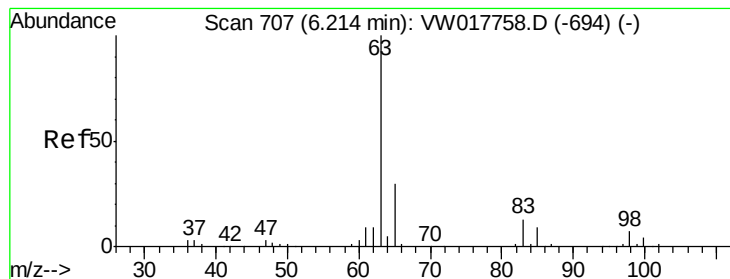


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 103.063 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

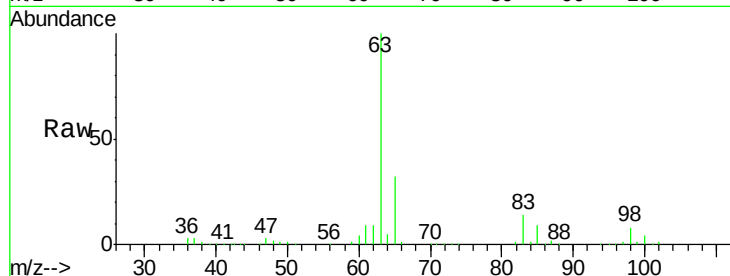
Tgt Ion: 63 Resp: 932844

Ion Ratio Lower Upper

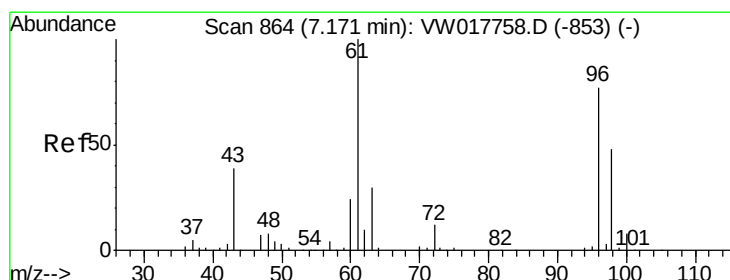
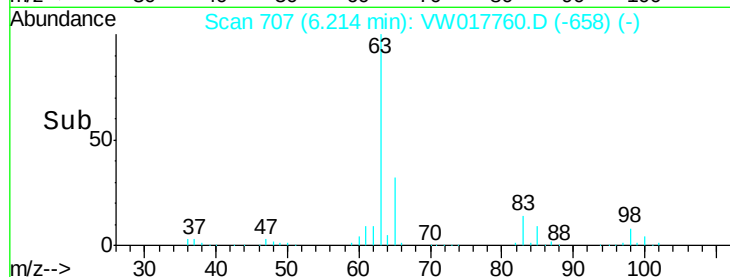
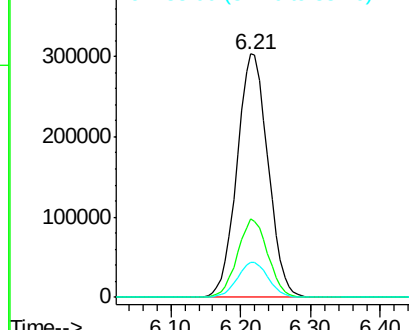
63 100

65 32.0 21.3 39.5

83 14.2 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: 101.708 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

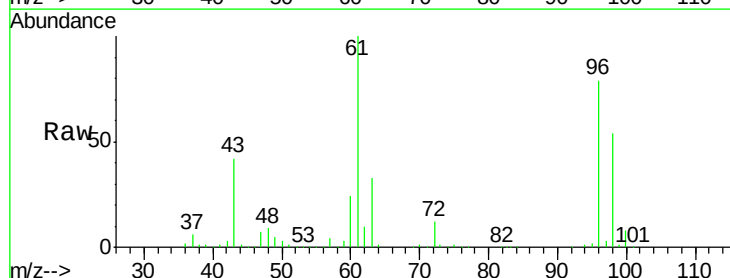
Tgt Ion: 96 Resp: 567456

Ion Ratio Lower Upper

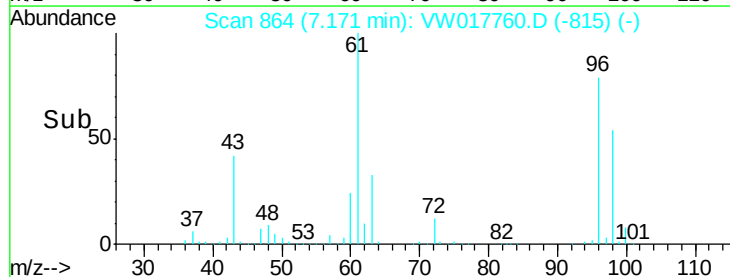
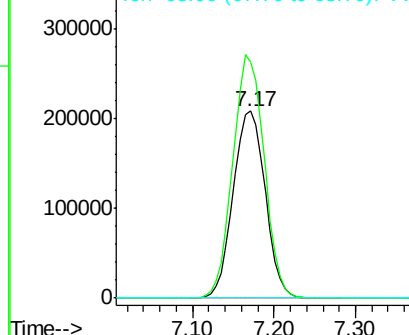
96 100

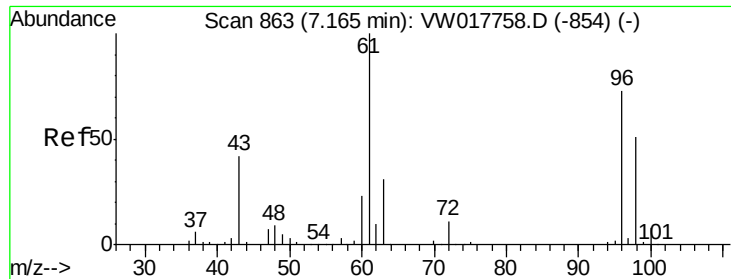
61 126.3 91.6 170.2

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: 193.775 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

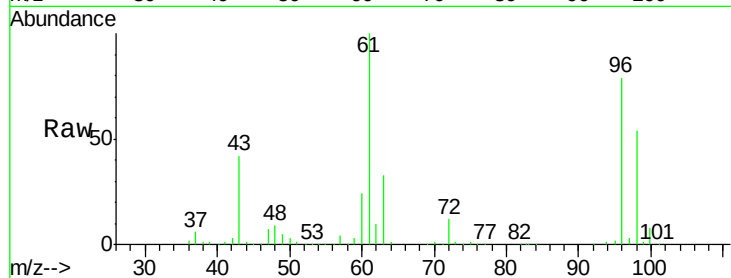
VSTD100106

Tgt Ion: 43 Resp: 297614

Ion Ratio Lower Upper

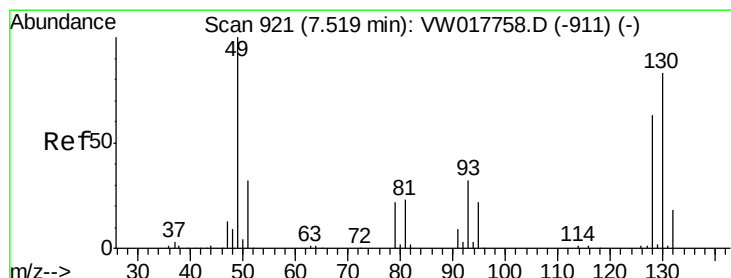
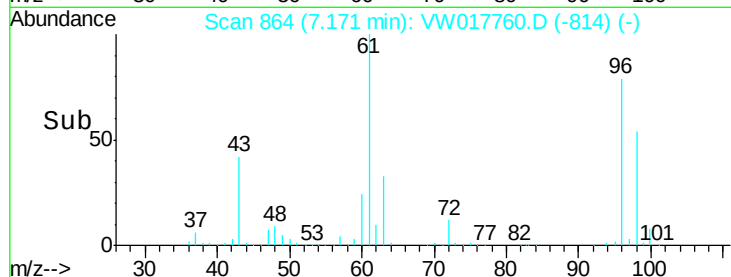
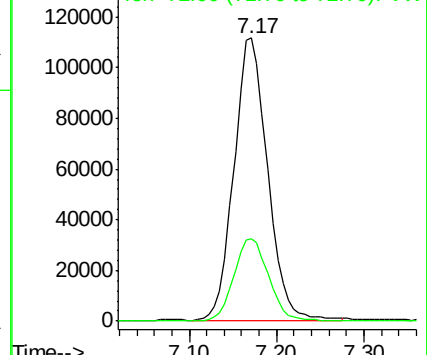
43 100

72 29.9 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: 102.869 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Tgt Ion: 128 Resp: 266215

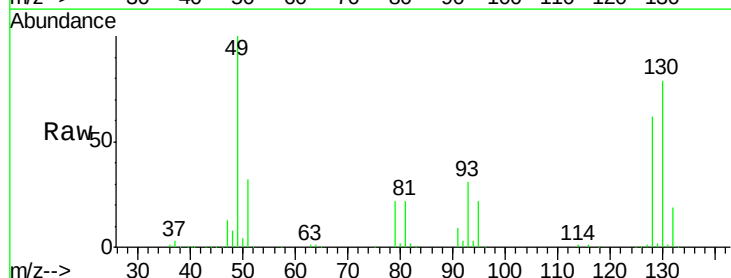
Ion Ratio Lower Upper

128 100

49 160.0 111.2 206.6

130 127.1 91.9 170.7

51 50.5 40.6 60.8

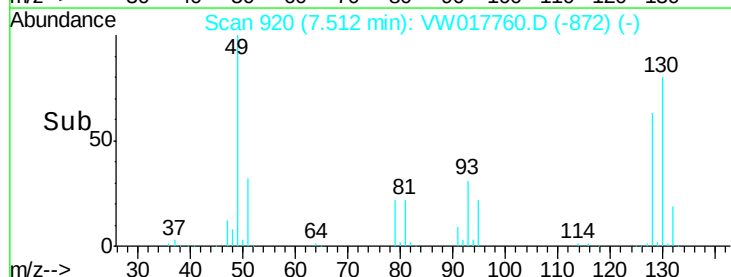
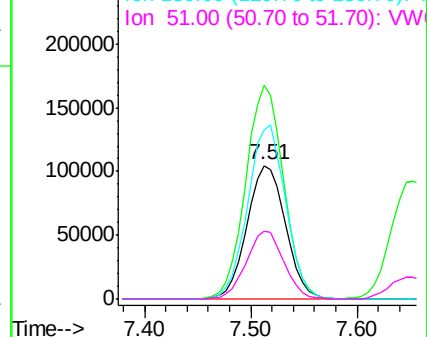


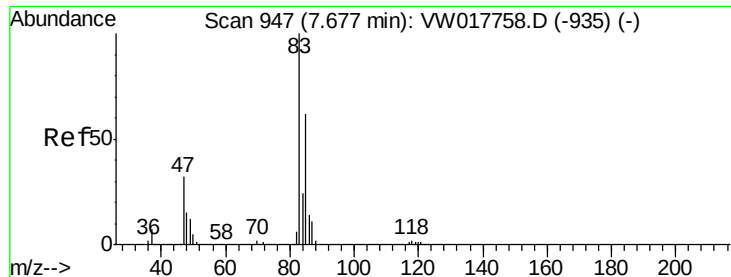
Abundance Ion 128.00 (127.70 to 128.70): V

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: 101.227 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

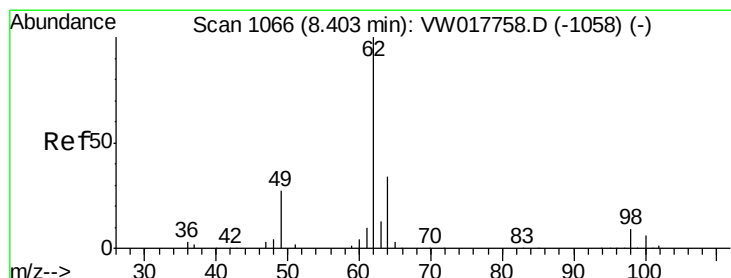
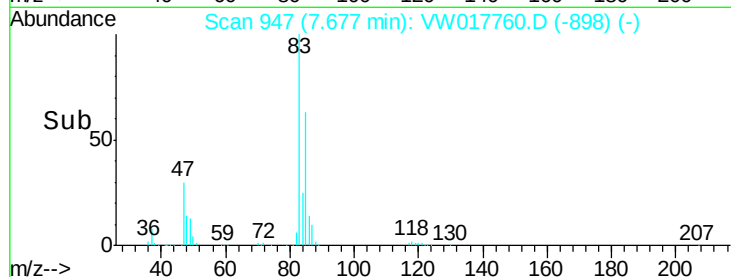
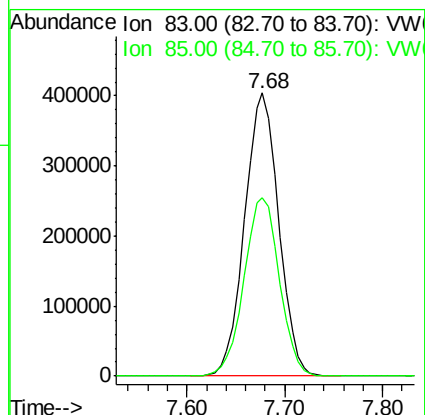
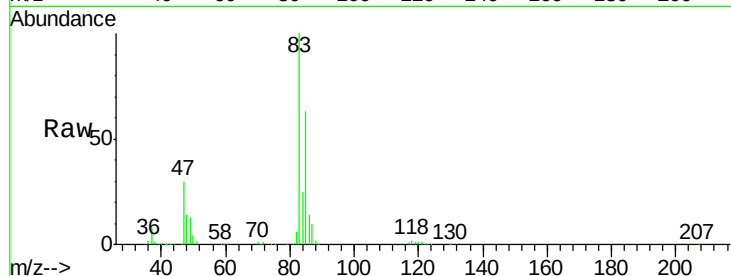
VSTD100106

Tgt Ion: 83 Resp: 976723

Ion Ratio Lower Upper

83 100

85 63.0 43.6 81.0



#27

1,2-Dichloroethane

Concen: 108.786 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017760.D

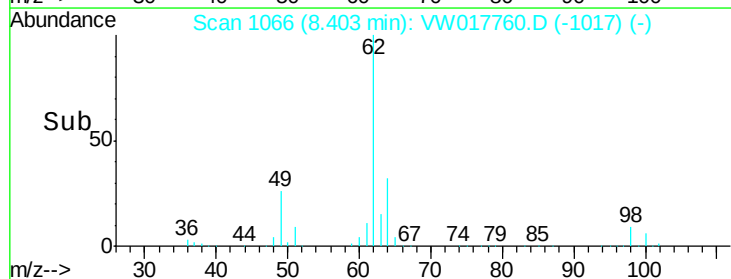
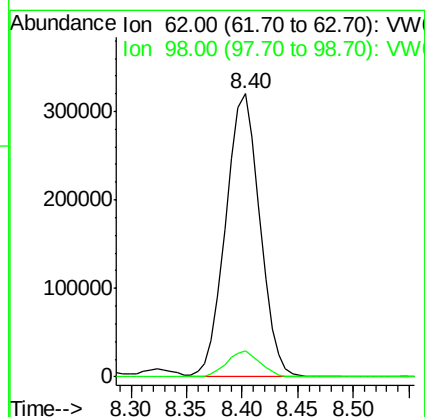
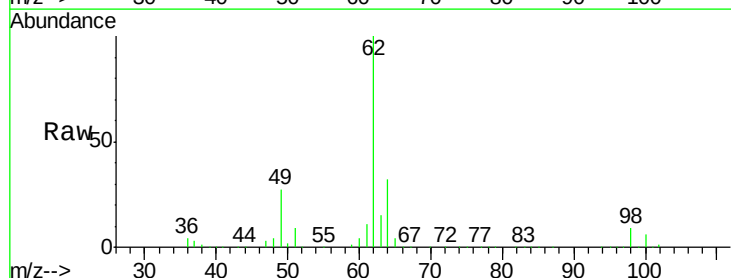
Acq: 28 Dec 2020 12:35

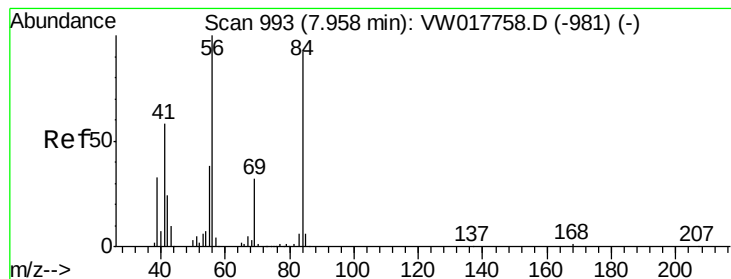
Tgt Ion: 62 Resp: 680560

Ion Ratio Lower Upper

62 100

98 9.4 6.8 10.2





#29

Cyclohexane

Concen: 106.602 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

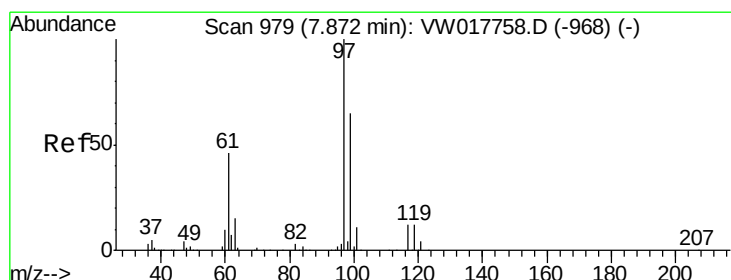
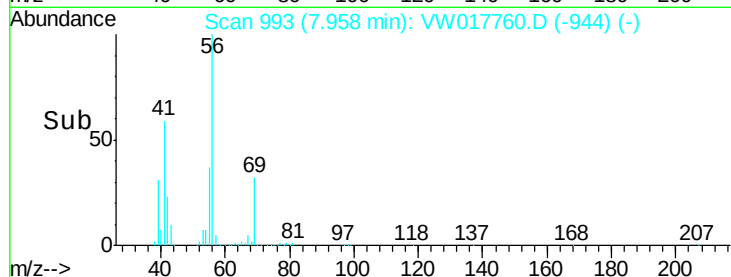
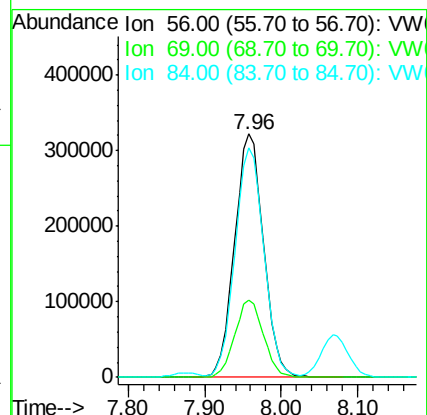
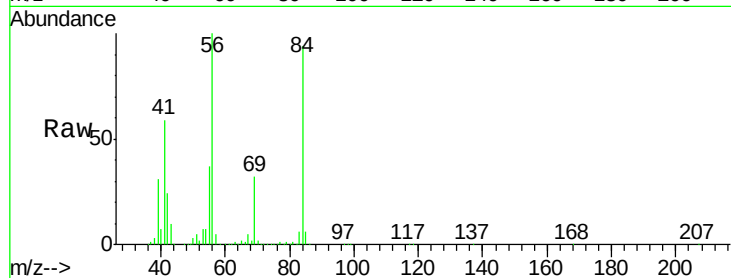
Tgt Ion: 56 Resp: 842882

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 94.4 74.3 111.5



#30

1,1,1-Trichloroethane

Concen: 101.104 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

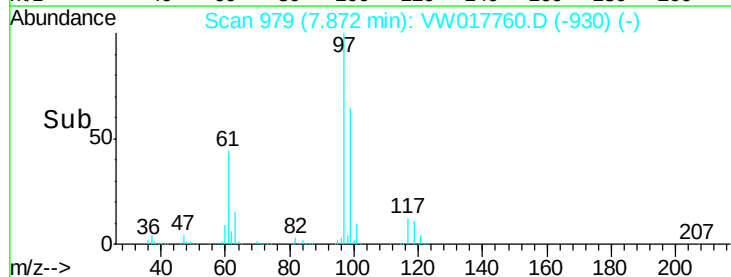
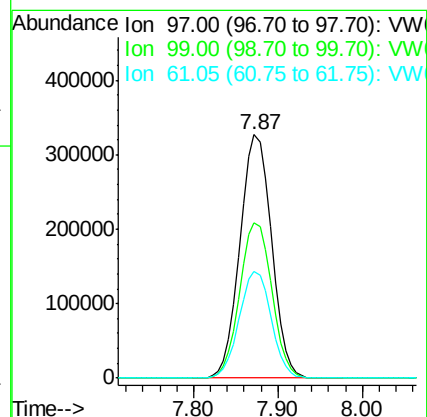
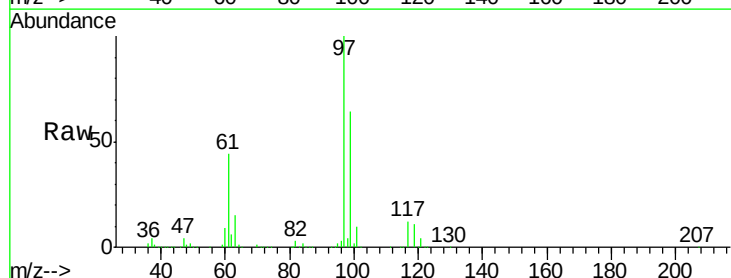
Tgt Ion: 97 Resp: 830283

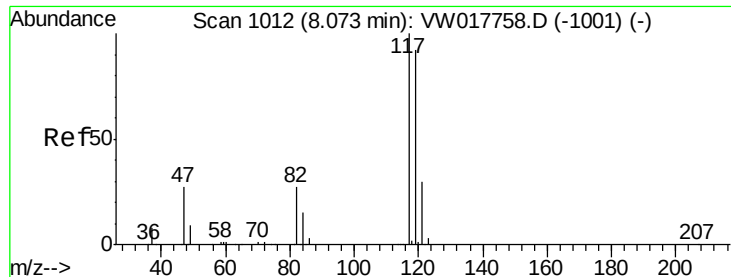
Ion Ratio Lower Upper

97 100

99 64.9 50.6 75.8

61 44.2 36.6 54.8

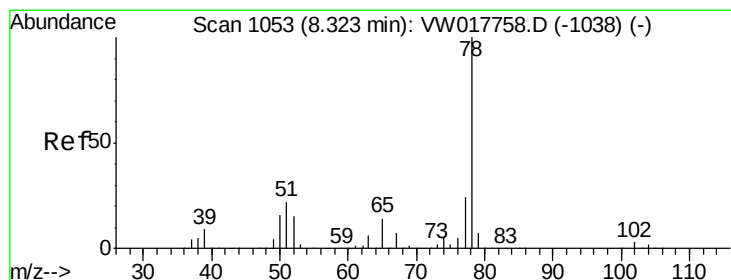
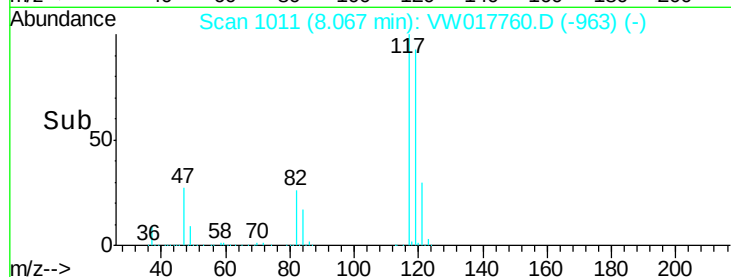
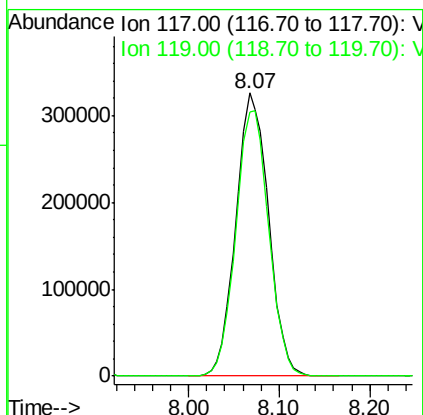
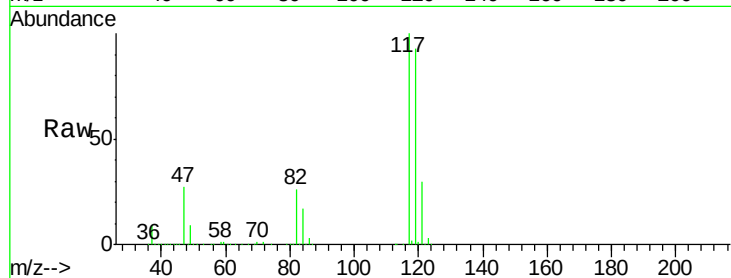




#31
Carbon tetrachloride
Concen: 102.268 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

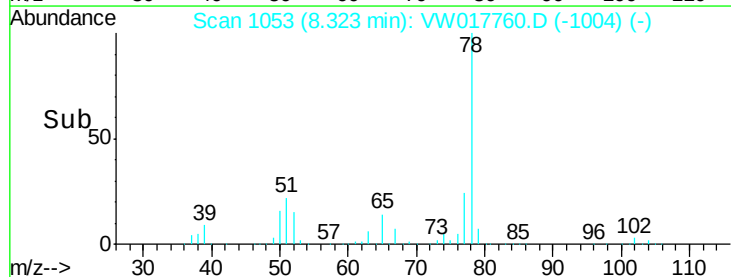
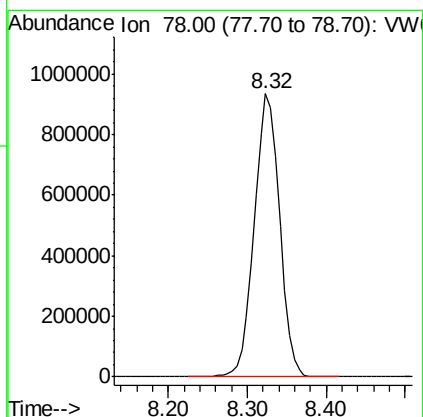
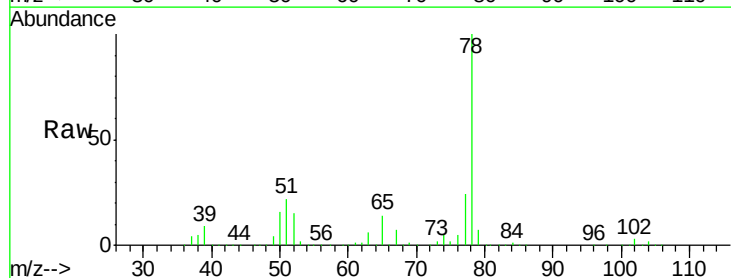
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

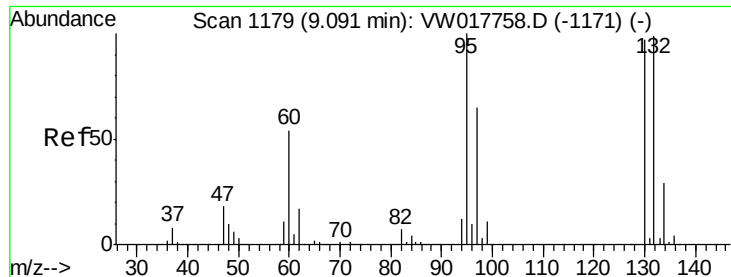
Tgt Ion:117 Resp: 813406
Ion Ratio Lower Upper
117 100
119 95.0 75.6 113.4



#33
Benzene
Concen: 101.469 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

Tgt Ion: 78 Resp: 2091599





#34

Trichloroethene

Concen: 101.358 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

Tgt Ion: 95 Resp: 575882

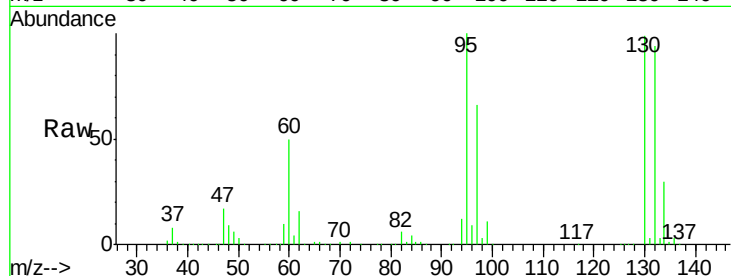
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.6

132 94.1 69.4 128.8

130 99.2 68.2 126.6

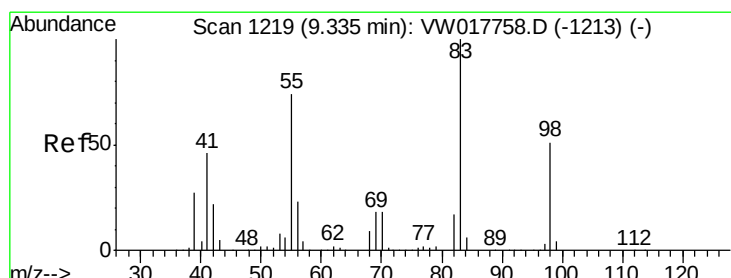
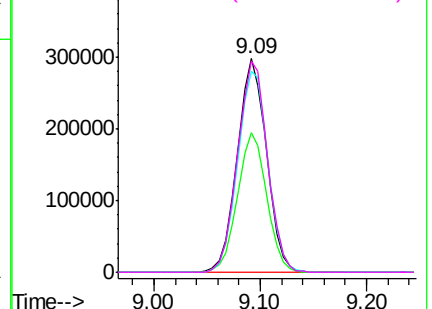
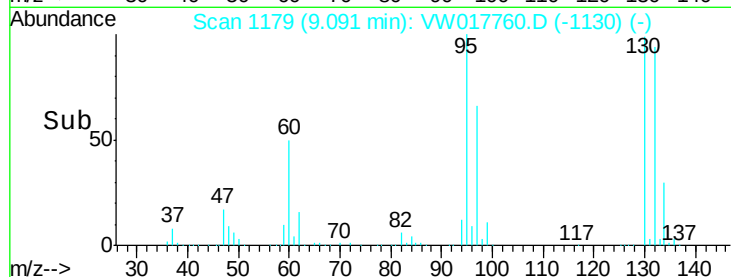


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 107.432 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

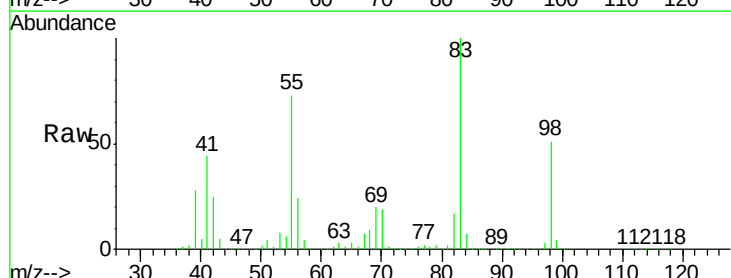
Tgt Ion: 83 Resp: 995193

Ion Ratio Lower Upper

83 100

55 71.3 58.6 88.0

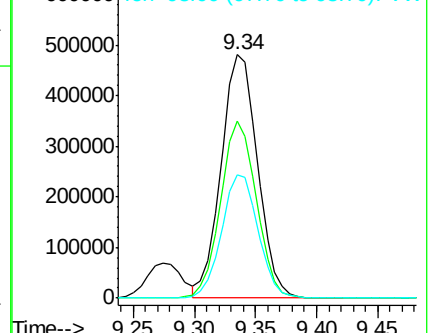
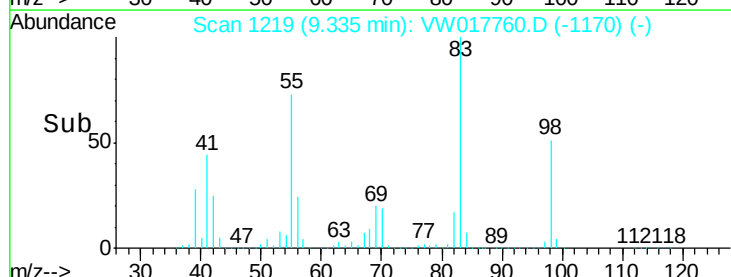
98 50.7 40.5 60.7

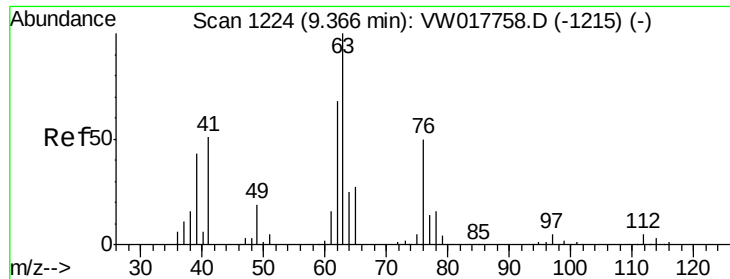


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

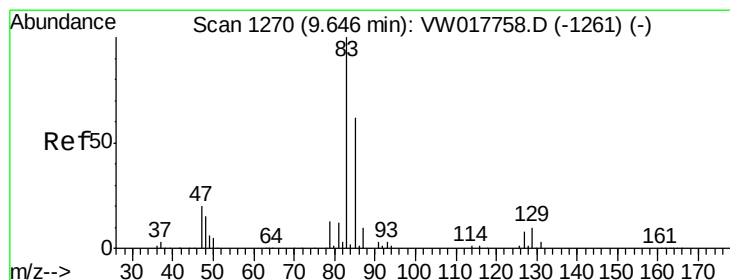
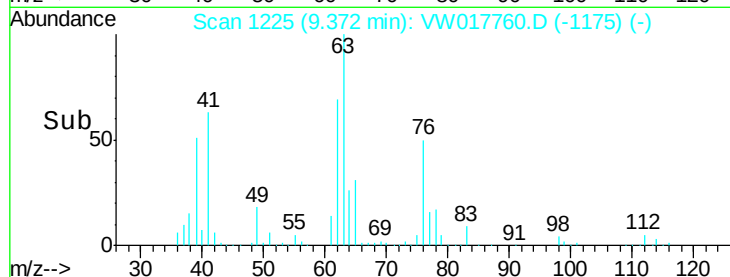
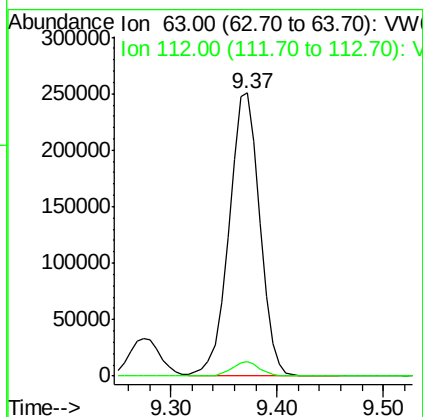
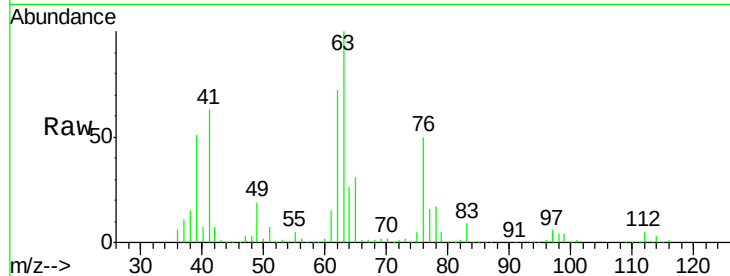




#37
 1,2-Dichloropropane
 Concen: 101.078 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

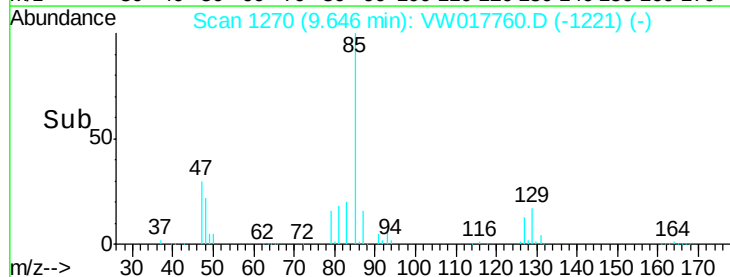
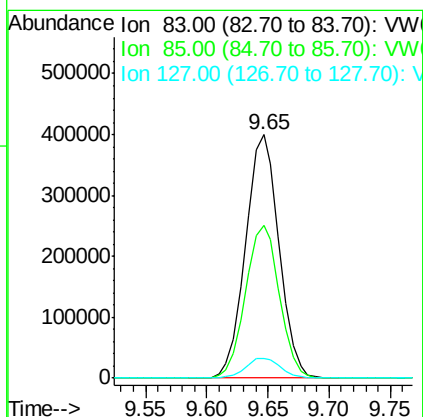
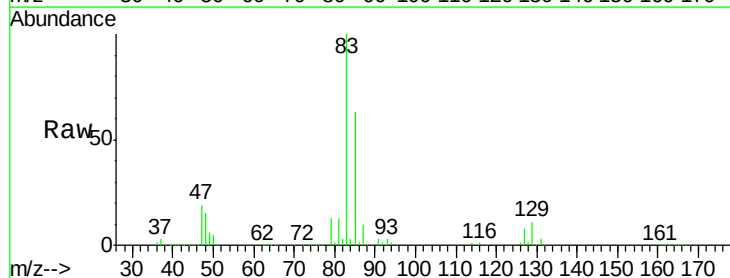
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

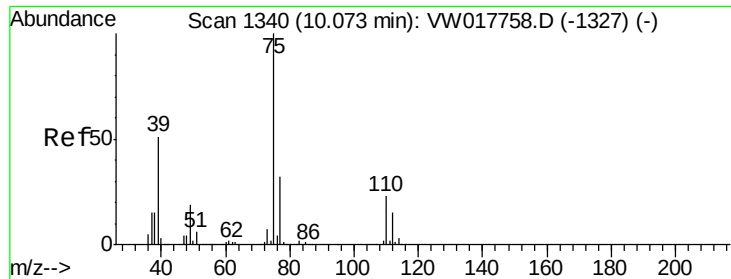
Tgt Ion: 63 Resp: 507111
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 108.041 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Tgt Ion: 83 Resp: 760093
 Ion Ratio Lower Upper
 83 100
 85 62.8 43.0 80.0
 127 8.1 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 113.142 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

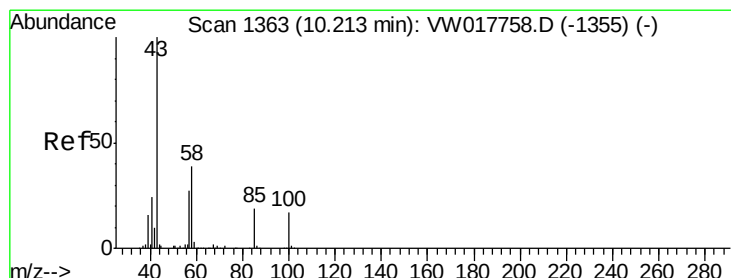
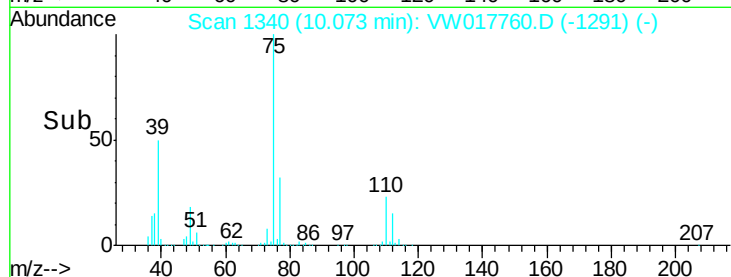
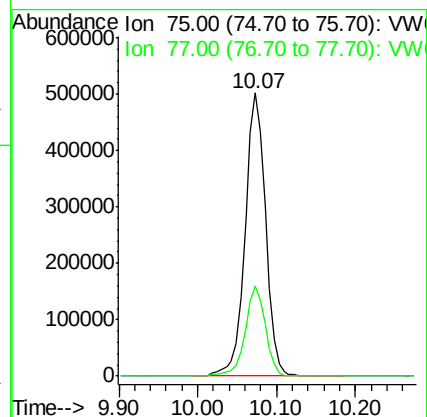
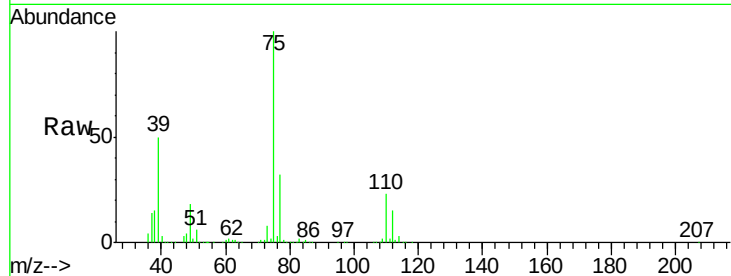
VSTD100106

Tgt Ion: 75 Resp: 905230

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 233.235 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

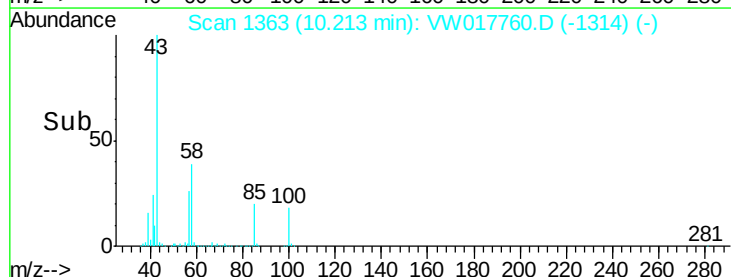
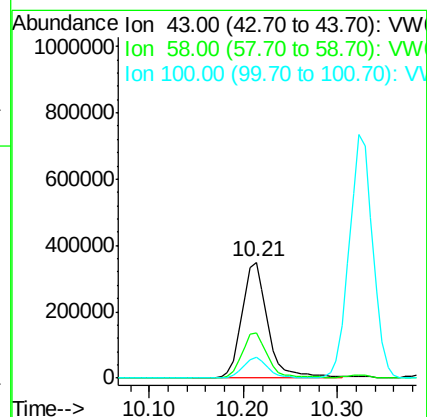
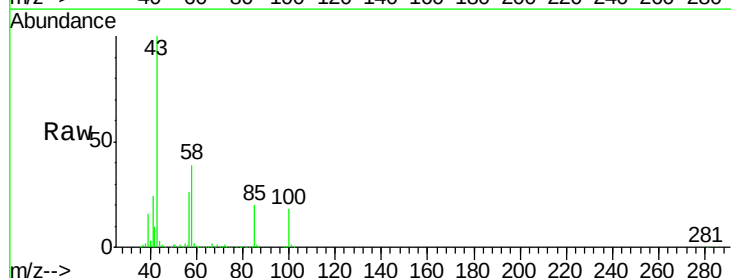
Tgt Ion: 43 Resp: 666830

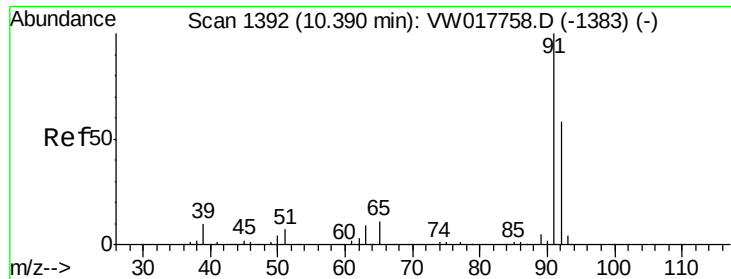
Ion Ratio Lower Upper

43 100

58 39.2 30.3 45.5

100 17.2 12.8 19.2





#42

Toluene

Concen: 110.633 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

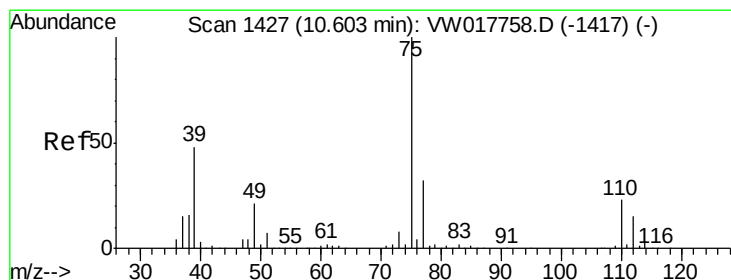
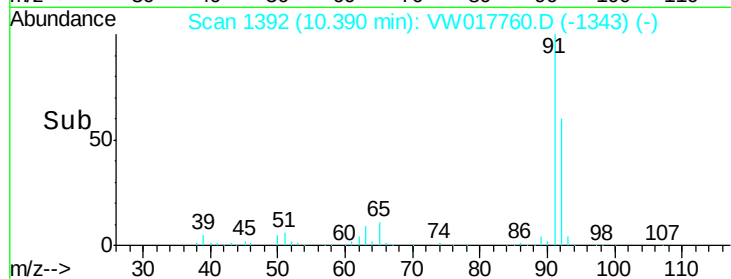
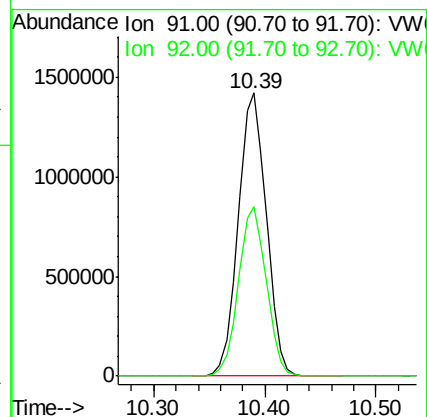
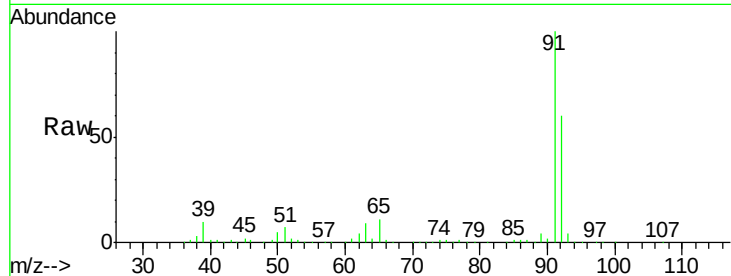
VSTD100106

Tgt Ion: 91 Resp: 2476705

Ion Ratio Lower Upper

91 100

92 59.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 114.193 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017760.D

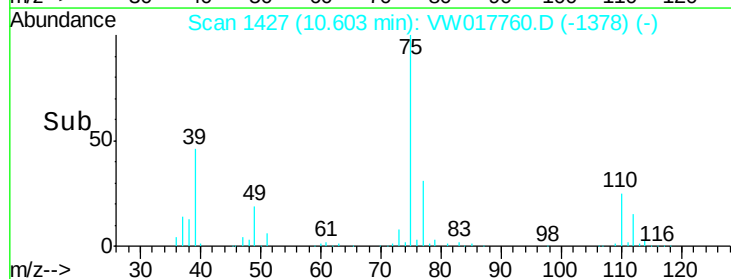
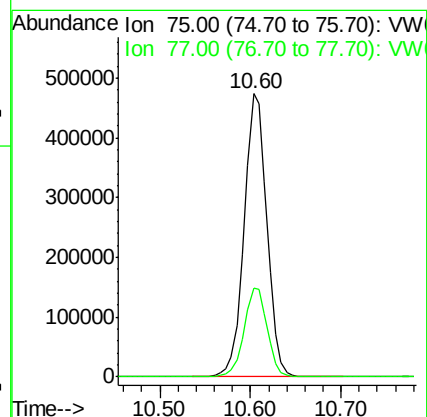
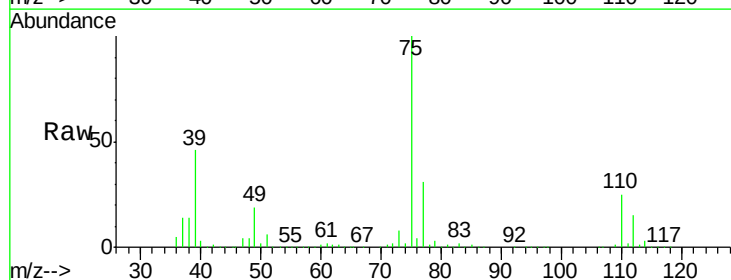
Acq: 28 Dec 2020 12:35

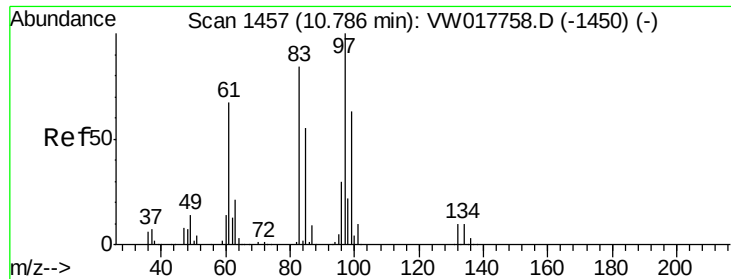
Tgt Ion: 75 Resp: 819508

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5

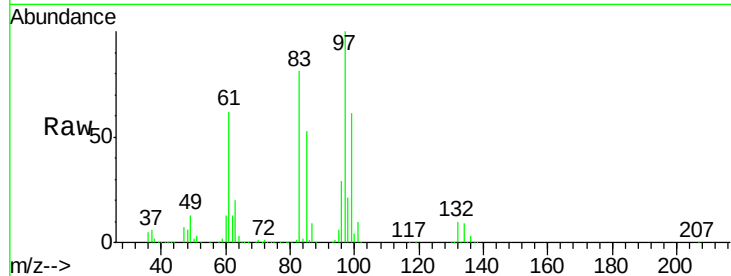




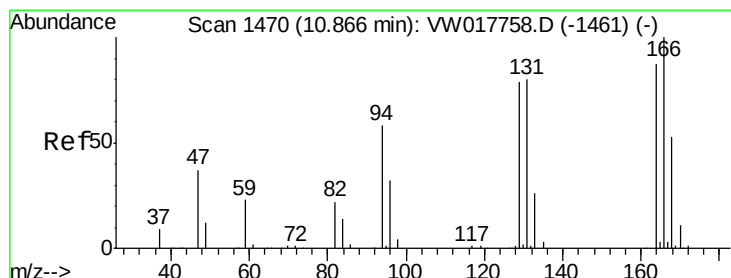
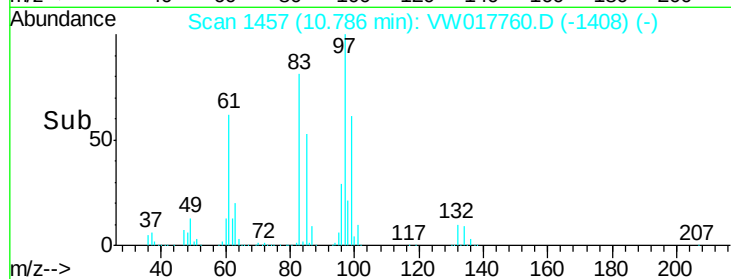
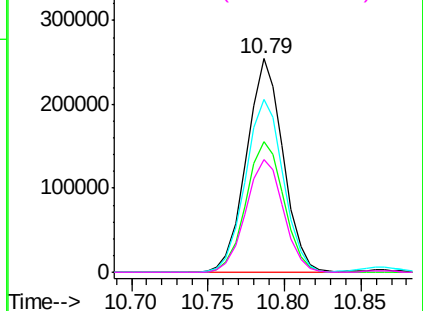
#45
 1,1,2-Trichloroethane
 Concen: 106.268 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

Tgt Ion:	97	Resp:	422972
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.0	81.8
83	81.0	59.1	109.9
85	52.9	38.9	72.3

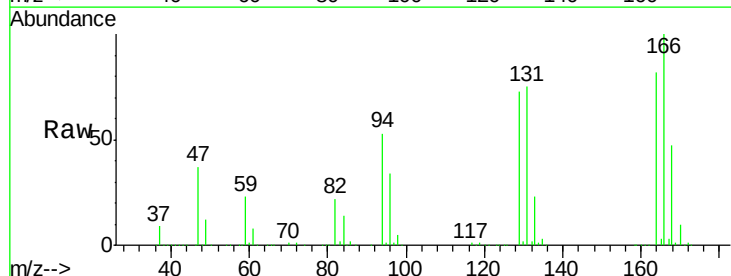


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 99.00 (98.70 to 99.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW

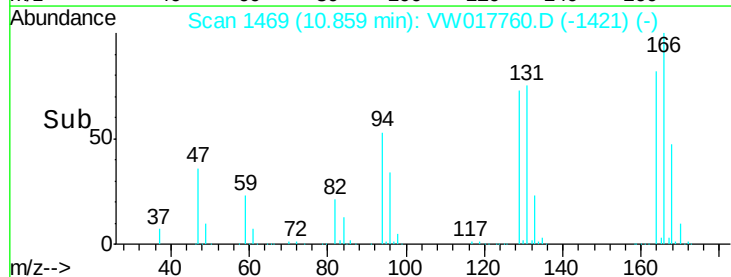
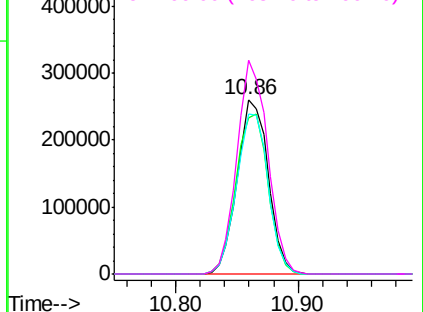


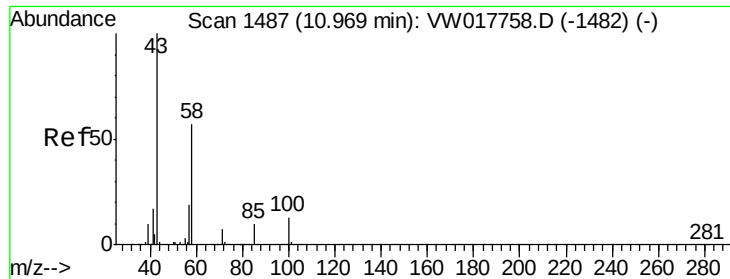
#46
 Tetrachloroethene
 Concen: 98.012 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Tgt Ion:	164	Resp:	457963
Ion	Ratio	Lower	Upper
164	100		
129	89.5	63.3	117.7
131	92.0	63.8	118.6
166	122.4	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

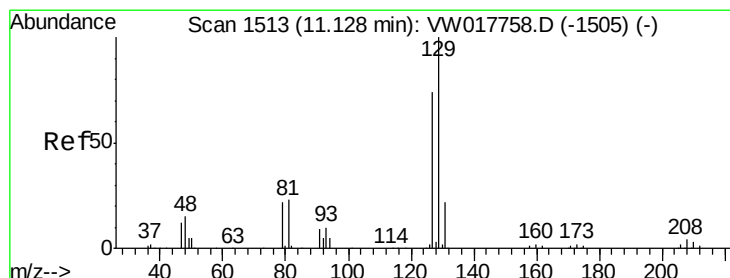
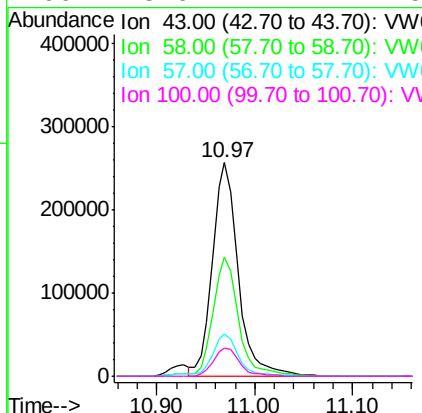
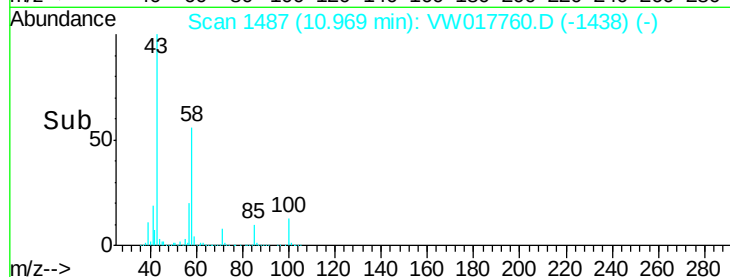
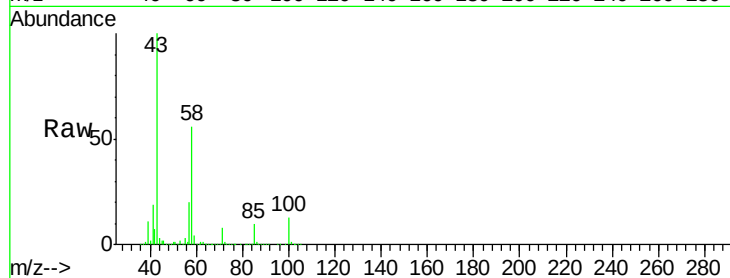




#48
2-Hexanone
Concen: 242.104 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

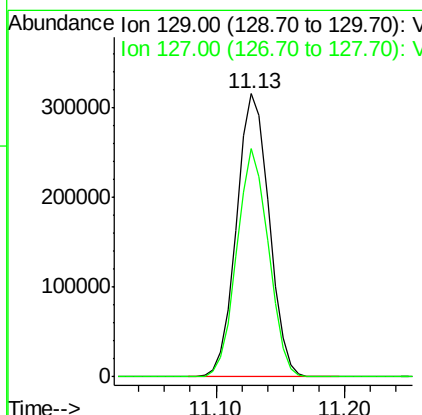
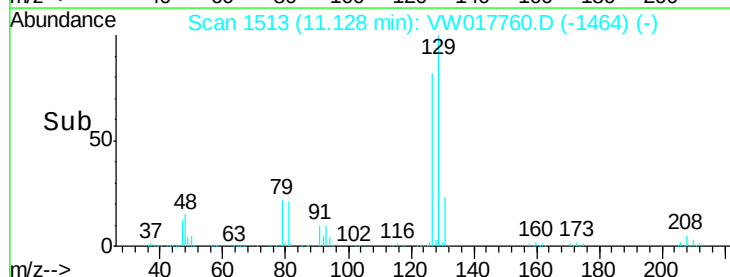
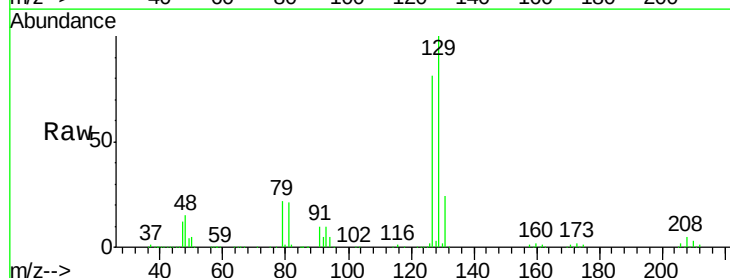
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

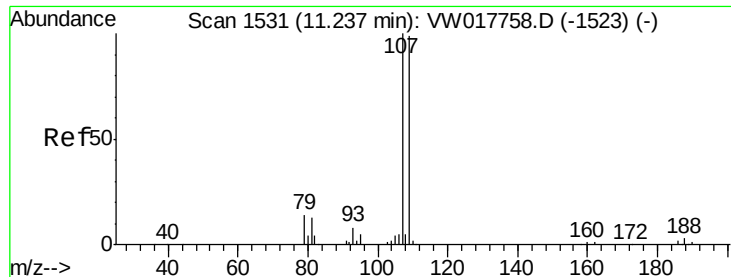
Tgt Ion: 43 Resp: 469626
Ion Ratio Lower Upper
43 100
58 54.7 46.8 70.2
57 19.9 14.6 22.0
100 13.6 11.7 17.5



#49
Dibromochloromethane
Concen: 112.614 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

Tgt Ion: 129 Resp: 552447
Ion Ratio Lower Upper
129 100
127 80.7 51.6 95.8

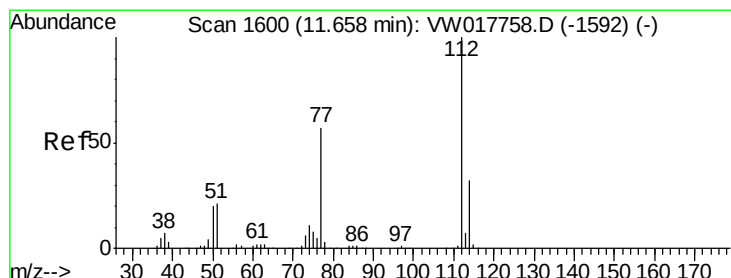
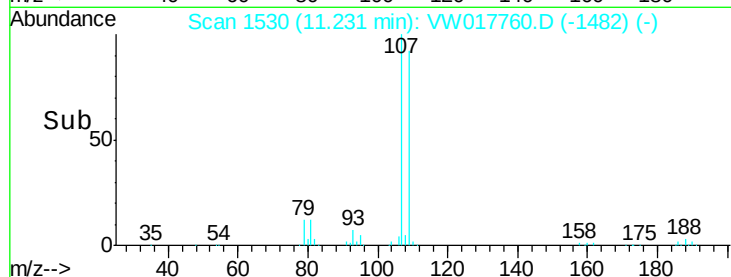
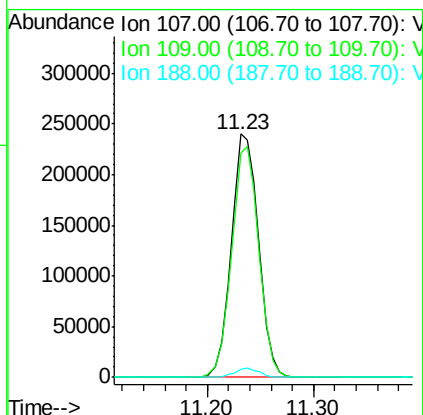
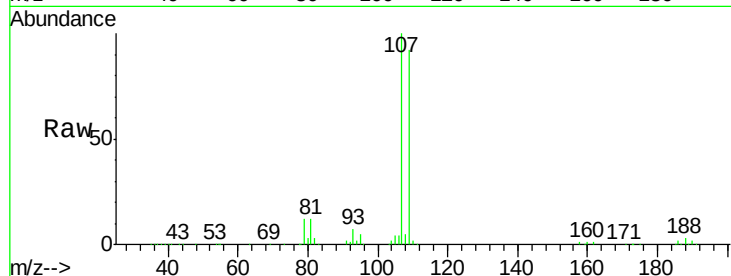




#50
1,2-Dibromoethane
Concen: 110.357 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

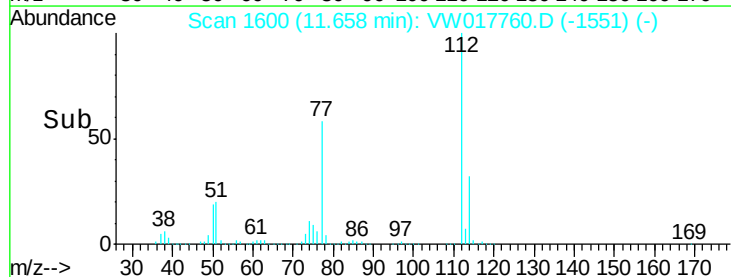
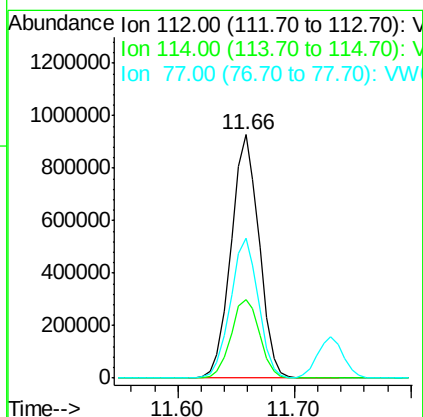
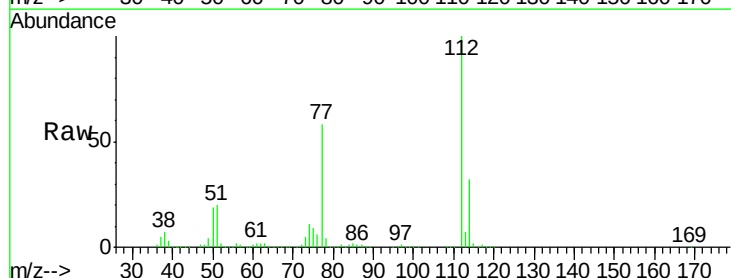
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

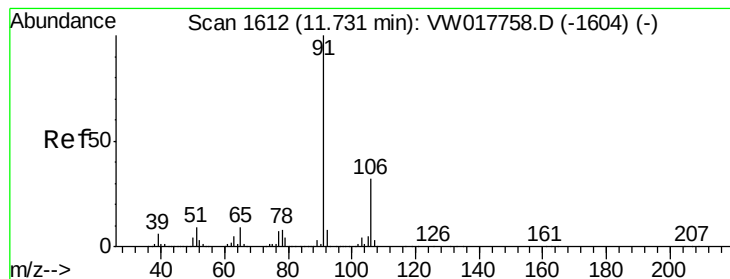
Tgt Ion:107 Resp: 429458
Ion Ratio Lower Upper
107 100
109 92.2 69.3 128.7
188 3.2 2.7 4.1



#51
Chlorobenzene
Concen: 105.198 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

Tgt Ion:112 Resp: 1548831
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 57.7 45.8 68.6





#52

Ethylbenzene

Concen: 111.055 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

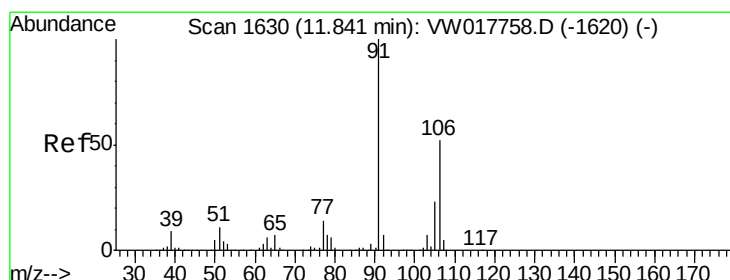
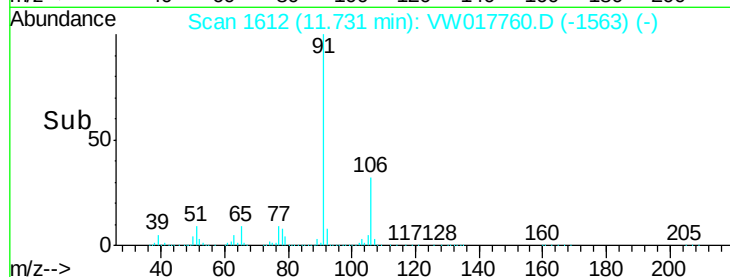
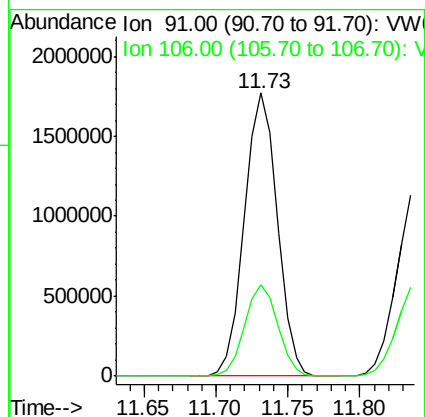
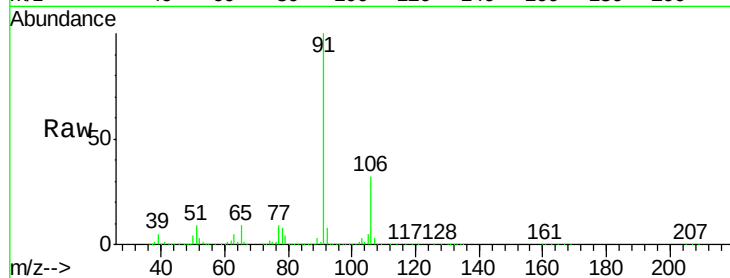
VSTD100106

Tgt Ion: 91 Resp: 2805231

Ion Ratio Lower Upper

91 100

106 32.3 22.7 42.1



#53

m,p-Xylene

Concen: 117.760 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017760.D

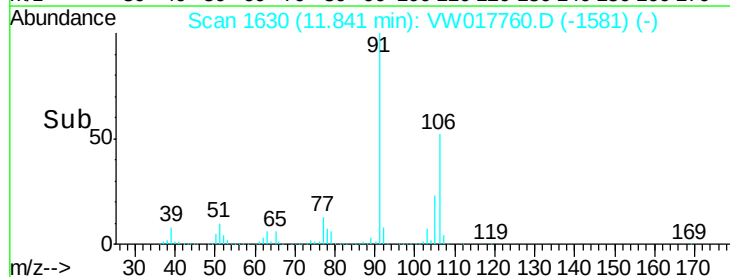
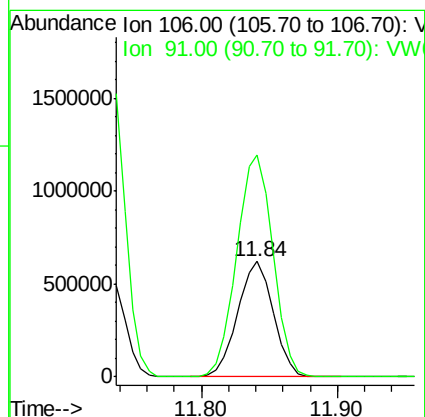
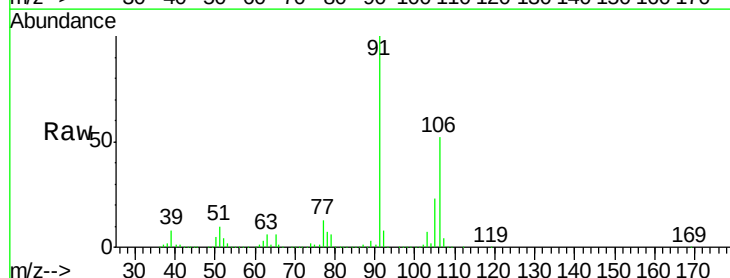
Acq: 28 Dec 2020 12:35

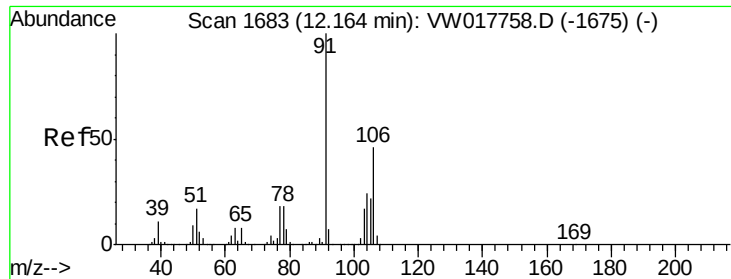
Tgt Ion: 106 Resp: 1134463

Ion Ratio Lower Upper

106 100

91 192.7 135.6 251.8





#54

o-Xylene

Concen: 118.304 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

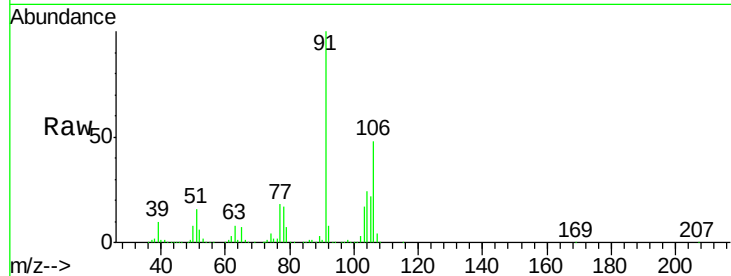
VSTD100106

Tgt Ion:106 Resp: 1079293

Ion Ratio Lower Upper

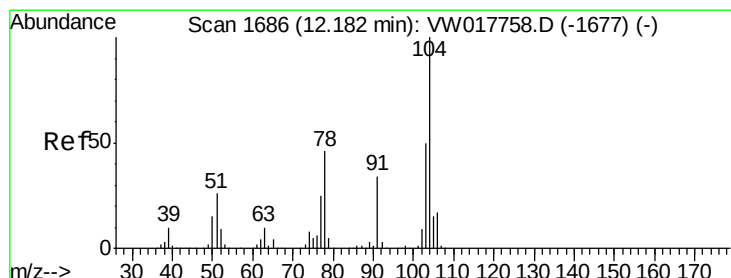
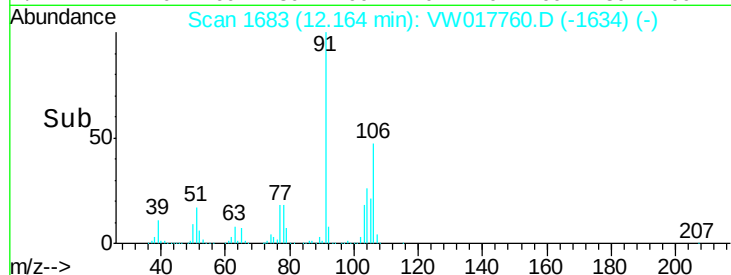
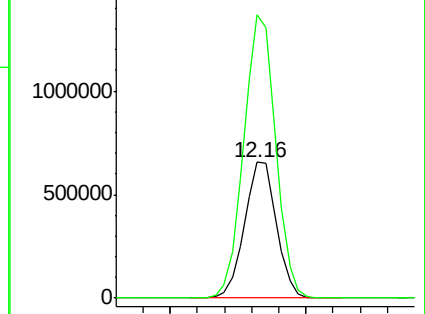
106 100

91 208.2 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

Styrene

Concen: 119.674 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017760.D

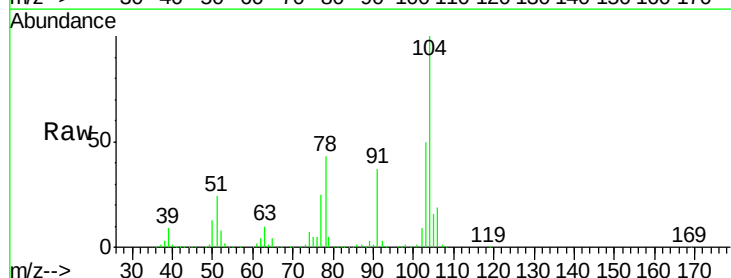
Acq: 28 Dec 2020 12:35

Tgt Ion:104 Resp: 1864885

Ion Ratio Lower Upper

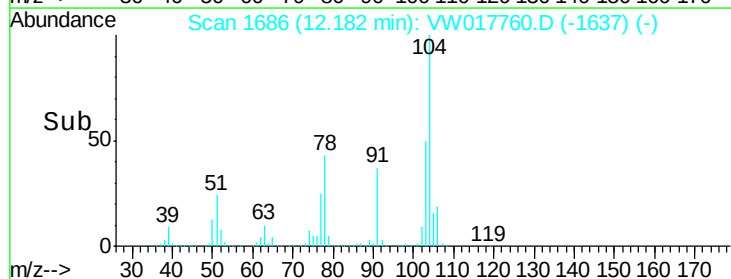
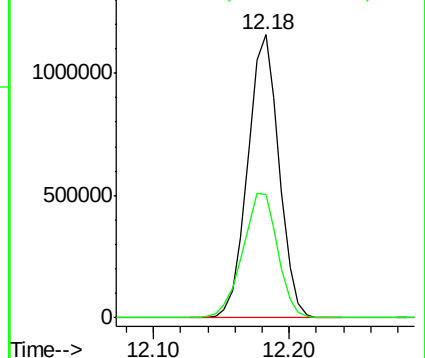
104 100

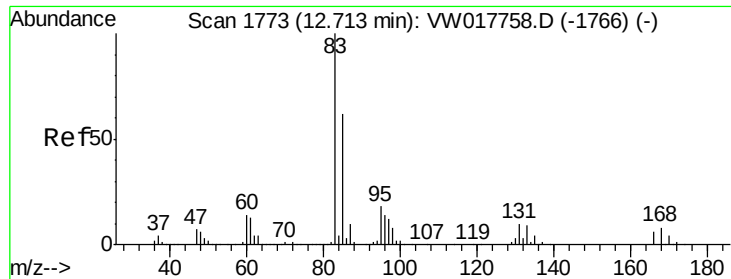
78 43.4 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

1,1,2,2-Tetrachloroethane

Concen: 110.047 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

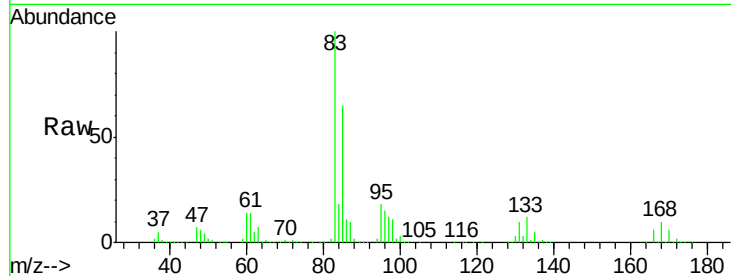
Tgt Ion: 83 Resp: 515591

Ion Ratio Lower Upper

83 100

85 65.3 43.5 80.7

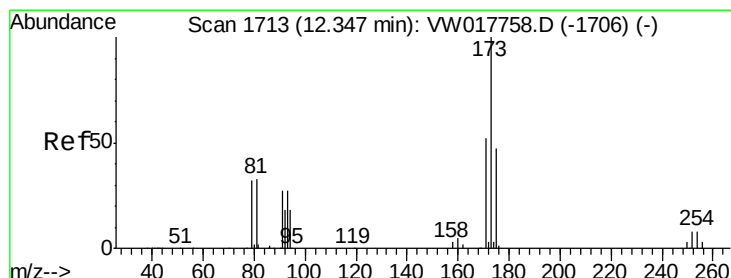
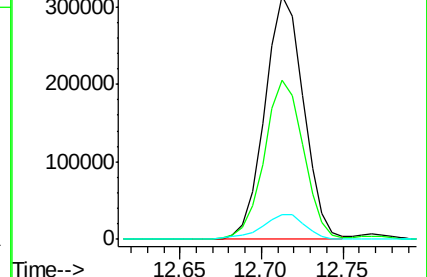
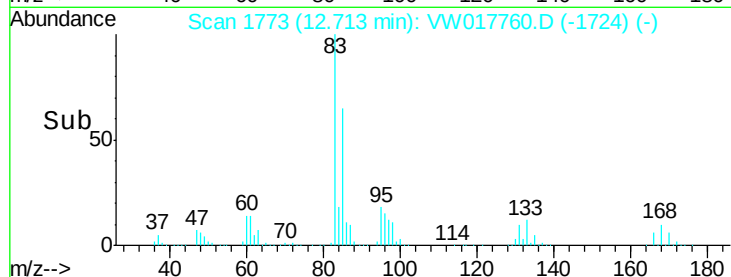
131 10.3 8.2 12.2



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): VW



#59

Bromoform

Concen: 109.060 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

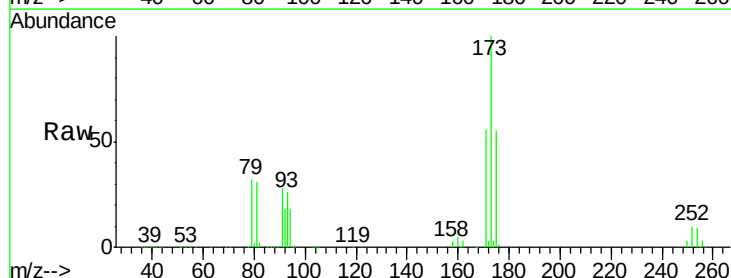
Tgt Ion: 173 Resp: 337498

Ion Ratio Lower Upper

173 100

175 50.6 38.0 57.0

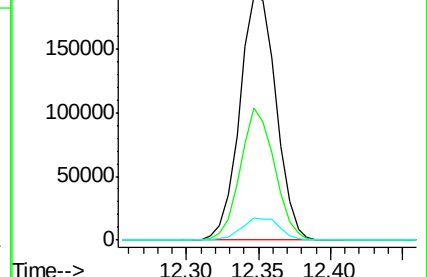
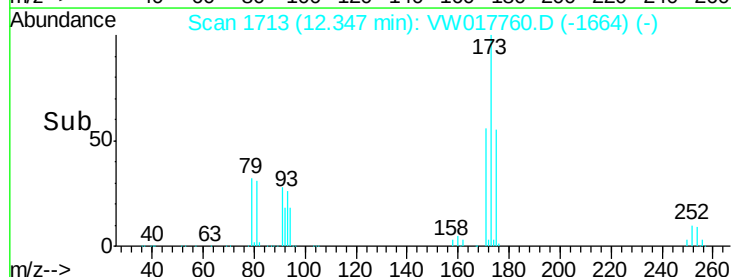
254 9.3 4.8 7.2#

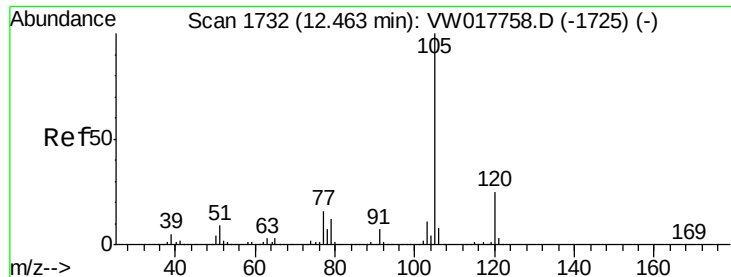


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 107.664 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

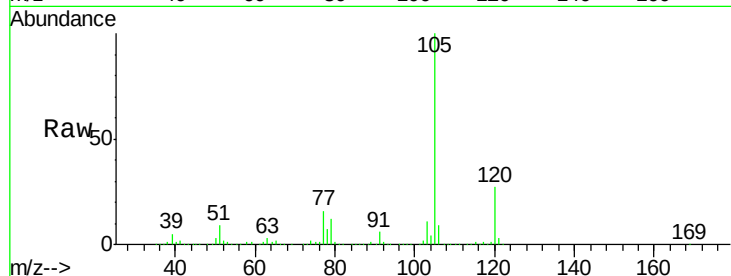
Tgt Ion:105 Resp: 2910018

Ion Ratio Lower Upper

105 100

120 27.3 21.2 31.8

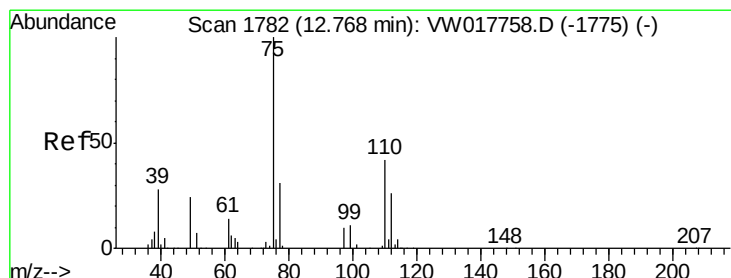
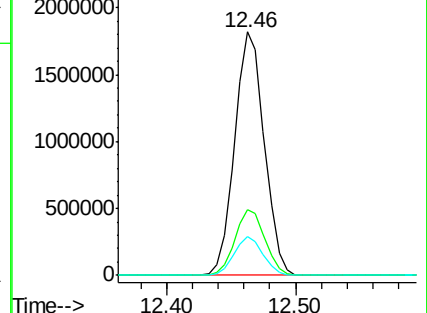
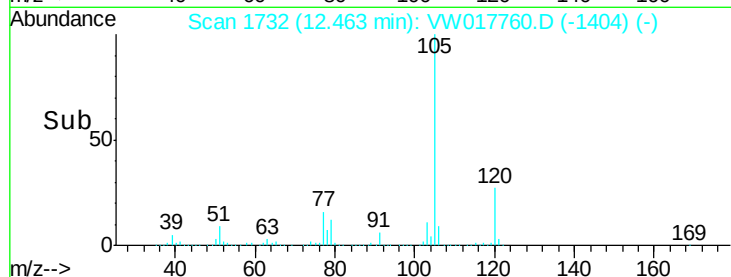
77 15.5 12.9 19.3



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



#61

1,2,3-Trichloropropane

Concen: 101.552 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

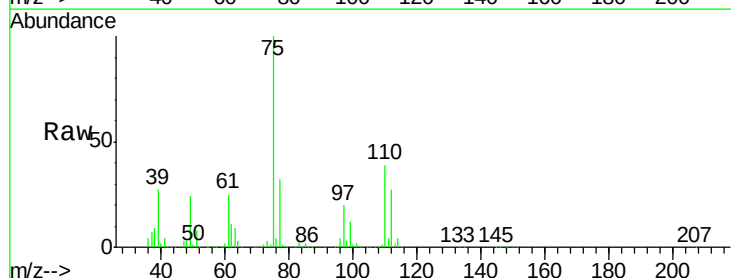
Tgt Ion: 75 Resp: 384386

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

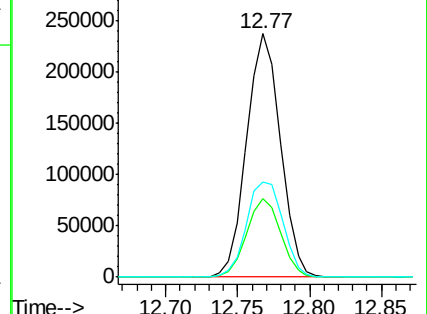
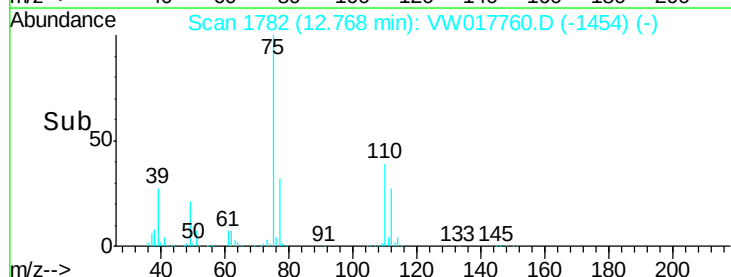
110 42.1 33.0 49.6

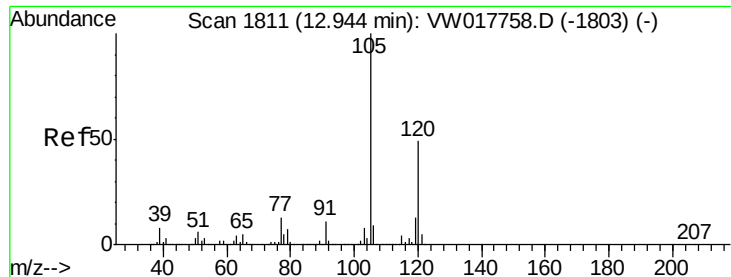


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 108.467 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW017760.D

Acq: 28 Dec 2020 12:35

Instrument :

MSVOA_W

ClientSampleId :

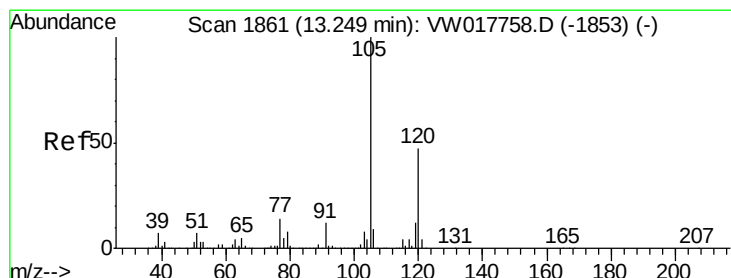
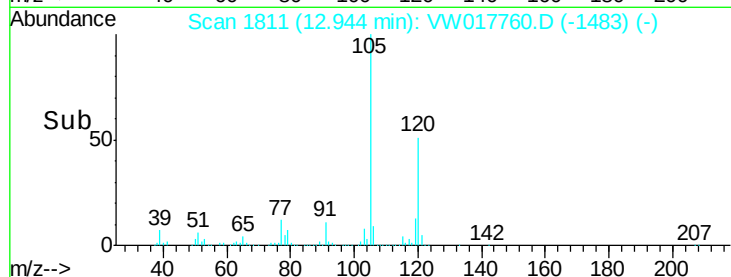
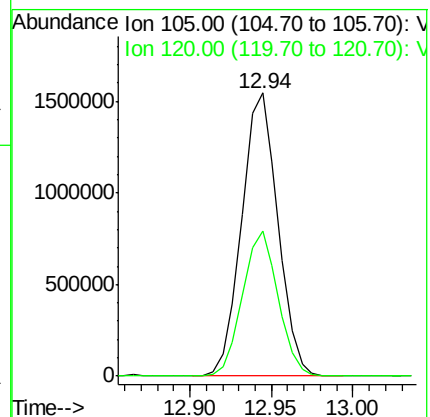
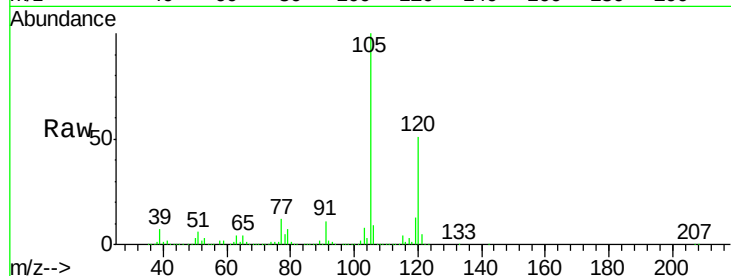
VSTD100106

Tgt Ion:105 Resp: 2391150

Ion Ratio Lower Upper

105 100

120 50.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 110.842 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW017760.D

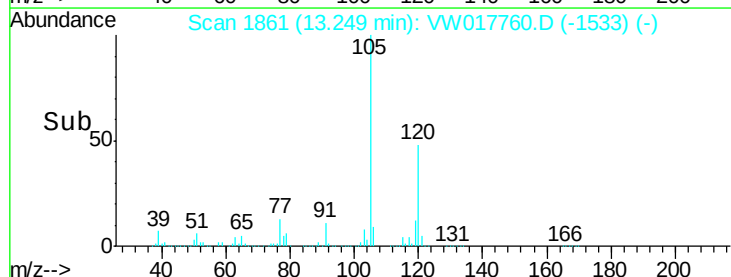
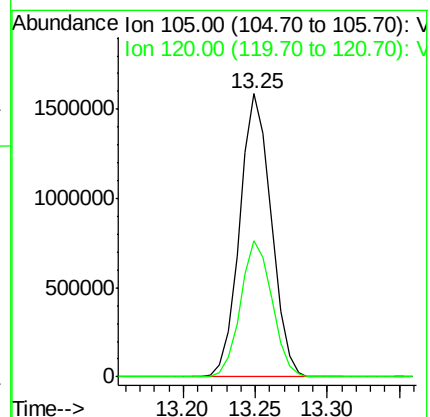
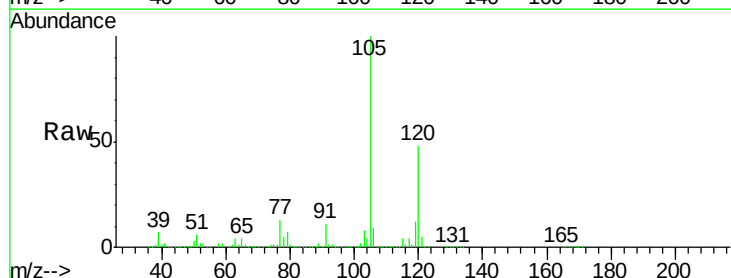
Acq: 28 Dec 2020 12:35

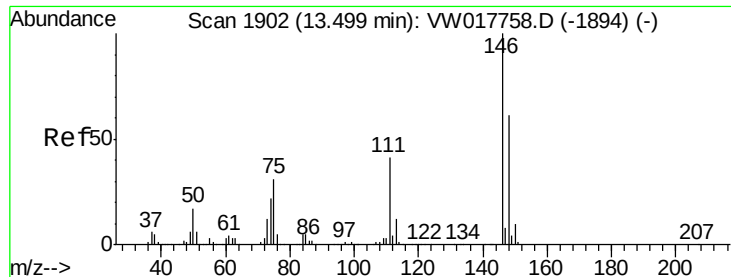
Tgt Ion:105 Resp: 2417779

Ion Ratio Lower Upper

105 100

120 47.7 37.5 56.3

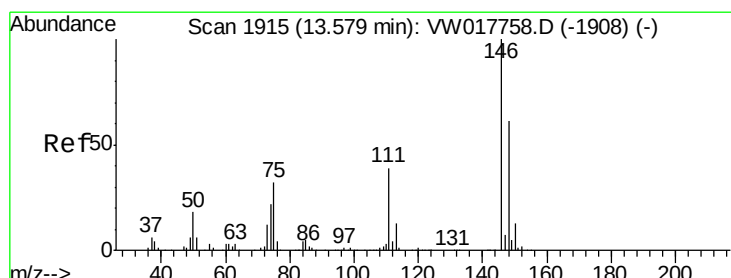
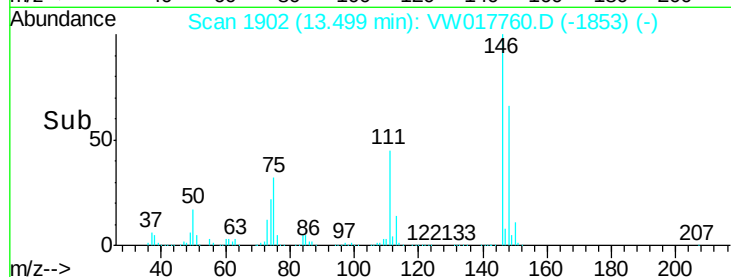
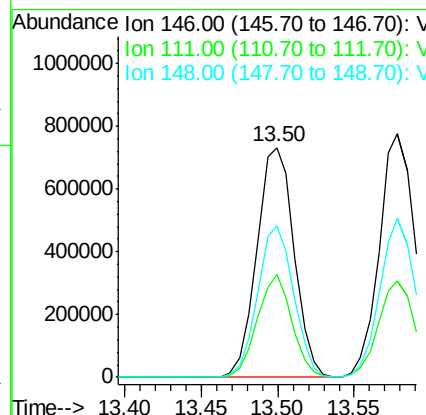
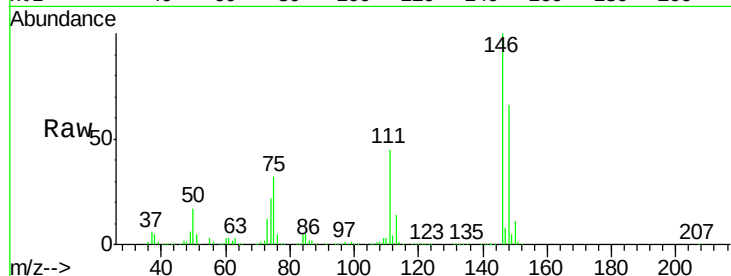




#64
 1,3-Dichlorobenzene
 Concen: 97.866 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

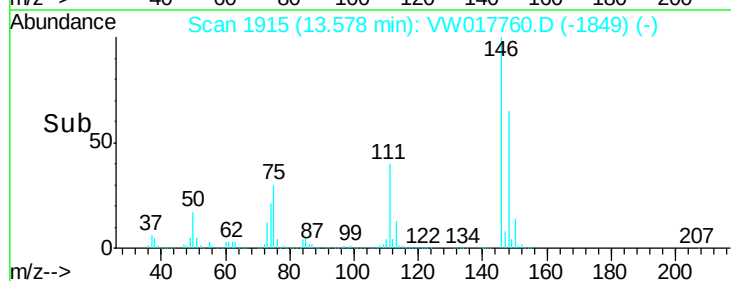
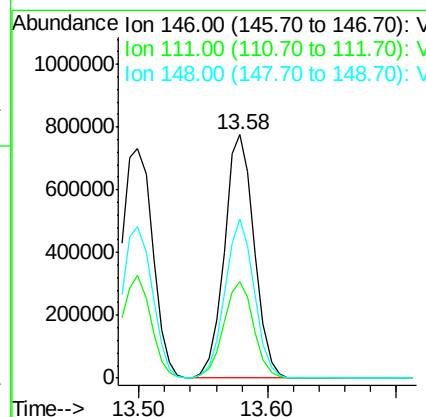
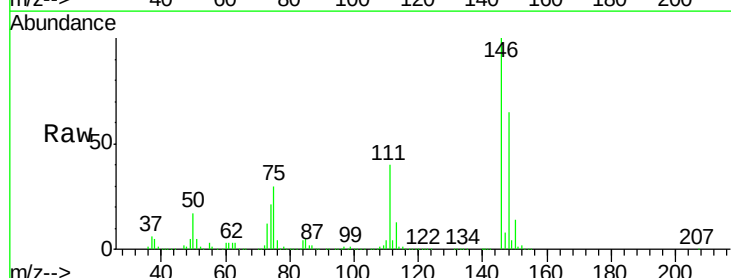
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

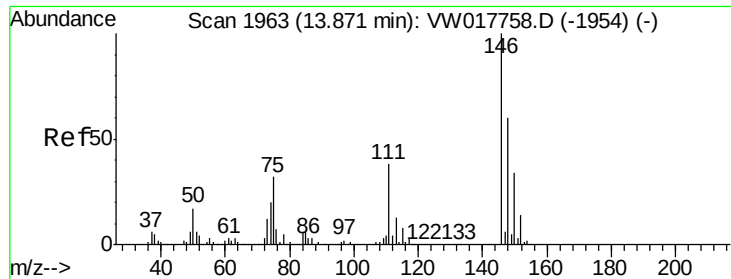
Tgt Ion:146 Resp: 1239944
 Ion Ratio Lower Upper
 146 100
 111 44.7 28.8 53.6
 148 65.6 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 97.934 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Tgt Ion:146 Resp: 1258411
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.6 51.2
 148 65.4 42.4 78.6

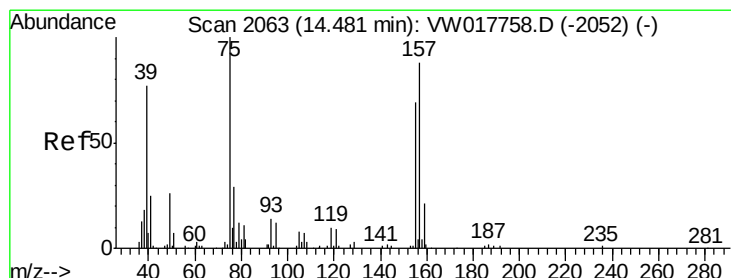
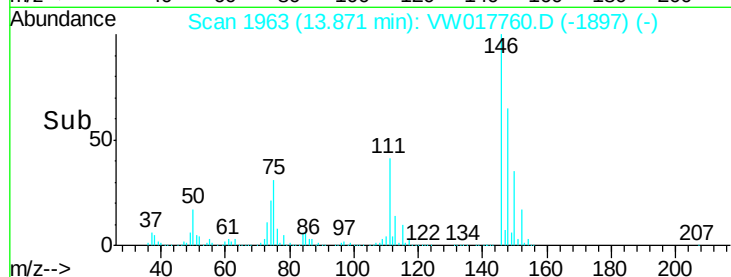
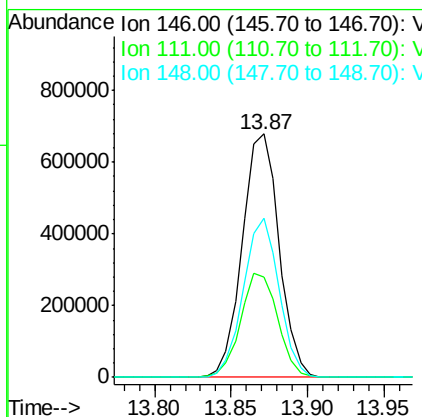
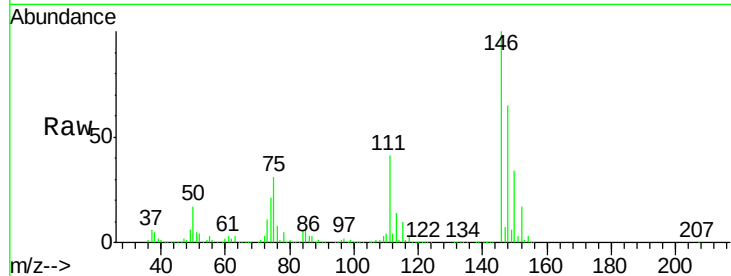




#67
 1,2-Dichlorobenzene
 Concen: 98.435 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

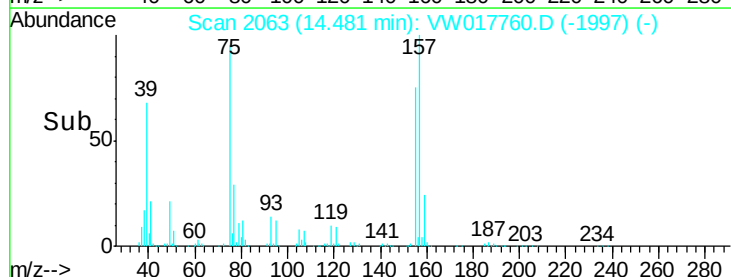
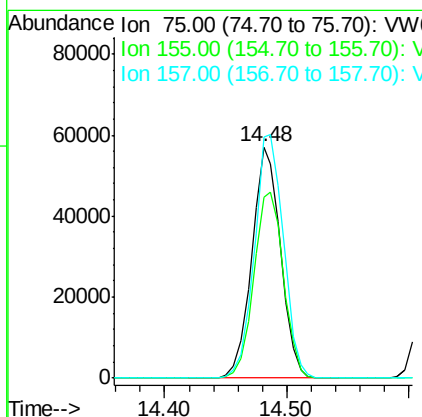
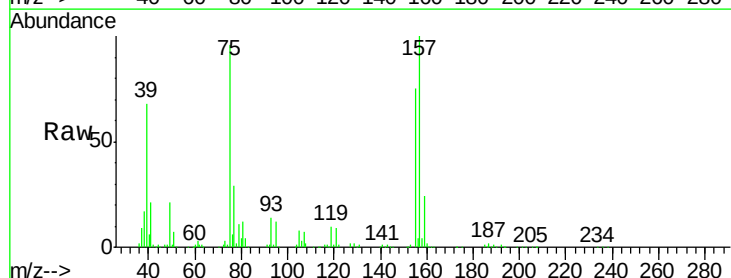
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

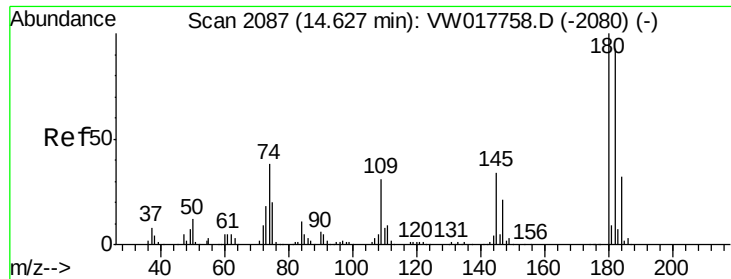
Tgt Ion: 146 Resp: 1134499
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.6 45.8
 148 65.3 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 107.749 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Tgt Ion: 75 Resp: 93189
 Ion Ratio Lower Upper
 75 100
 155 78.1 54.9 82.3
 157 104.1 70.4 105.6

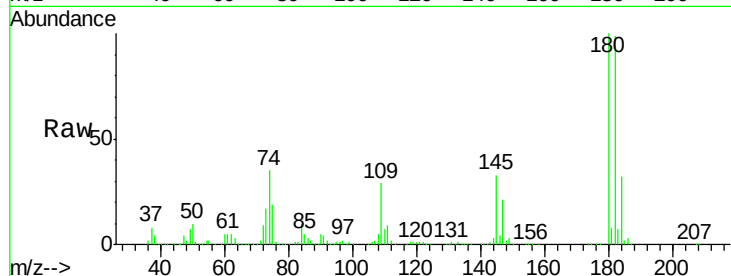




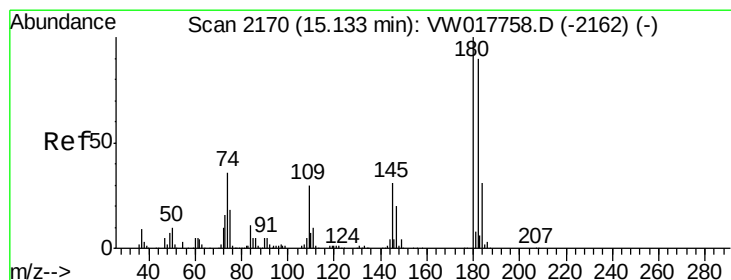
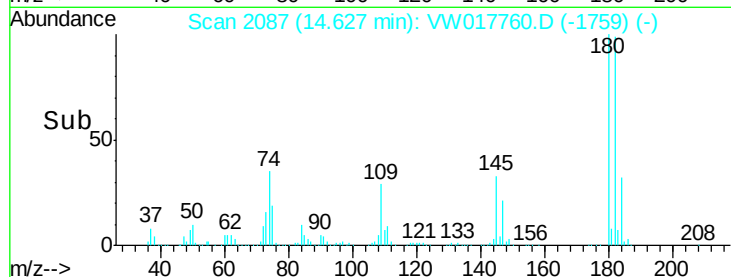
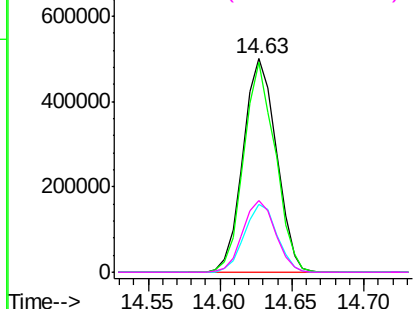
#69
 1,3,5-Trichlorobenzene
 Concen: 88.271 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

Tgt Ion:180 Resp: 800745
 Ion Ratio Lower Upper
 180 100
 182 92.7 76.1 114.1
 184 30.9 24.2 36.4
 145 33.1 25.6 38.4

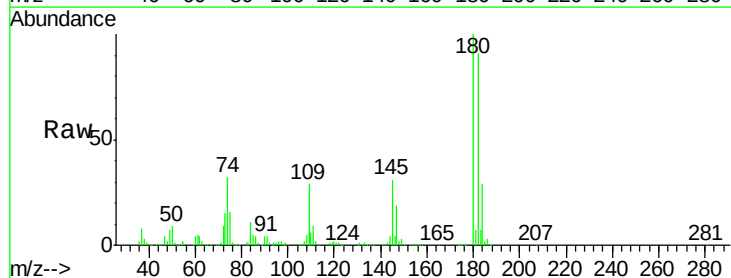


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

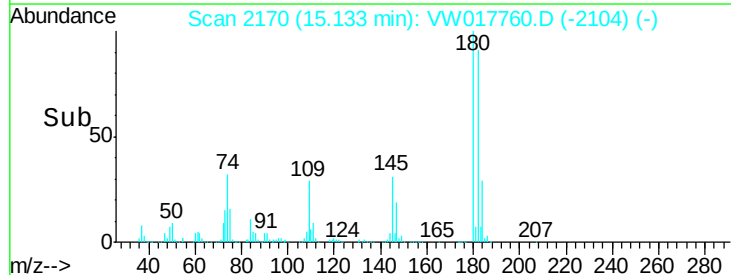
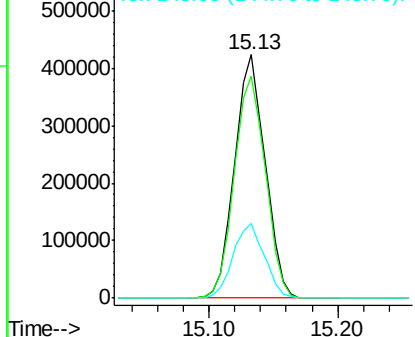


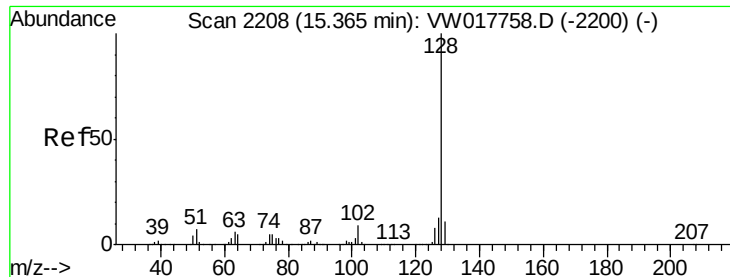
#70
 1,2,4-trichlorobenzene
 Concen: 90.653 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017760.D
 Acq: 28 Dec 2020 12:35

Tgt Ion:180 Resp: 695925
 Ion Ratio Lower Upper
 180 100
 182 93.0 72.3 108.5
 145 31.5 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

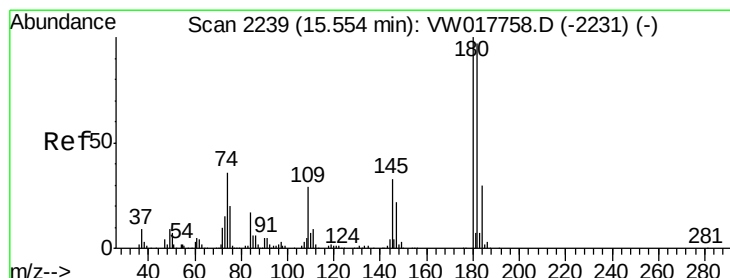
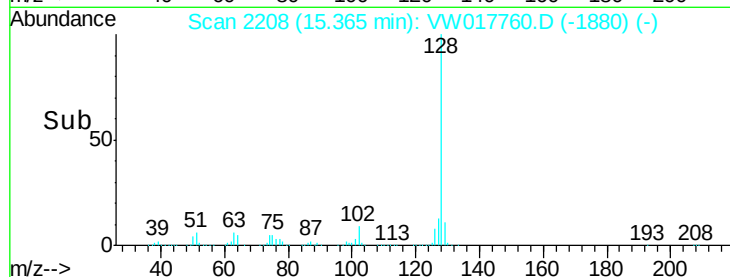
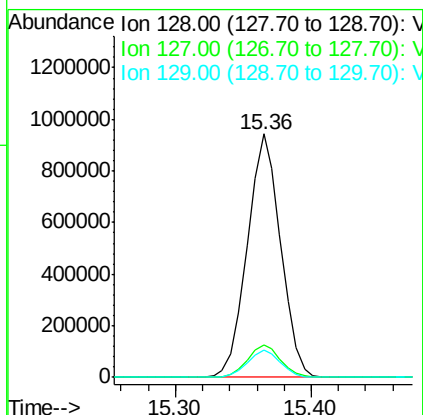
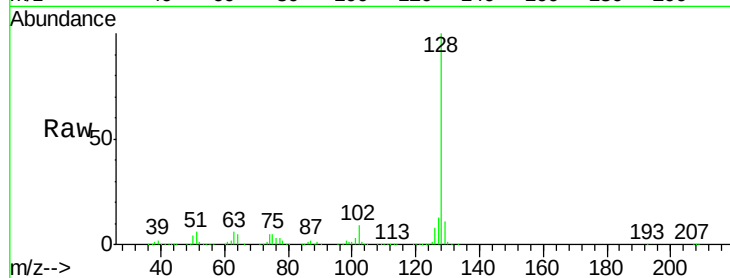




#71
Naphthalene
Concen: 119.802 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

Tgt Ion:128 Resp: 1618270
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.1 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 94.134 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW017760.D
Acq: 28 Dec 2020 12:35

Tgt Ion:180 Resp: 627631
Ion Ratio Lower Upper
180 100
182 93.6 74.5 111.7
145 34.1 27.1 40.7

