

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
 Data File : VW017759.D
 Acq On : 28 Dec 2020 12:12
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

Quant Time: Dec 28 13:41:41 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	375231	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	355482	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	194868	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	250439	50.15	ug/L	0.00
7) Chloroethane-d5	2.89	69	225056	57.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	474344	46.94	ug/L	0.00
21) 2-Butanone-d5	7.07	46	121530	98.80	ug/L	0.00
24) Chloroform-d	7.65	84	498770	48.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	275259	50.32	ug/L	0.00
32) Benzene-d6	8.27	84	951305	47.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	273610	47.92	ug/L	0.00
41) Toluene-d8	10.32	98	916805	49.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	139469	52.36	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	90348	109.21	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	246075	52.28	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	339728	47.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	196555	61.815 ug/L	97
3) Chloromethane	2.21	50	174272	54.730 ug/L	98
5) Vinyl chloride	2.37	62	296662	61.992 ug/L	99
6) Bromomethane	2.78	94	252312	75.298 ug/L	99
8) Chloroethane	2.92	64	198304	65.239 ug/L	98
9) Trichlorofluoromethane	3.26	101	220190	50.285 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	237520	47.621 ug/L	98
12) 1,1-Dichloroethene	4.05	96	232738	48.942 ug/L	94
13) Acetone	4.12	43	85754	88.270 ug/L	97
14) Carbon disulfide	4.39	76	713882	52.627 ug/L	99
15) Methyl Acetate	4.67	43	101670	51.072 ug/L	98
16) Methylene chloride	4.92	84	239390	43.270 ug/L	99
17) trans-1,2-Dichloroethene	5.43	96	256722	51.458 ug/L	98
18) Methyl tert-butyl Ether	5.43	73	323764	54.892 ug/L	99
19) 1,1-Dichloroethane	6.21	63	446367	51.683 ug/L	95
20) cis-1,2-Dichloroethene	7.17	96	275054	51.666 ug/L	97
22) 2-Butanone	7.17	43	137957	94.135 ug/L	99
23) Bromochloromethane	7.52	128	125677	50.895 ug/L	96
25) Chloroform	7.68	83	477346	51.847 ug/L	97
27) 1,2-Dichloroethane	8.40	62	333971	55.947 ug/L	100
29) Cyclohexane	7.96	56	413204	53.942 ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	405114	50.919 ug/L	99
31) Carbon tetrachloride	8.07	117	393863	51.114 ug/L	99
33) Benzene	8.32	78	1030313	51.592 ug/L	100
34) Trichloroethene	9.09	95	281482	51.137 ug/L	99
35) Methylcyclohexane	9.34	83	484019	53.933 ug/L	99
37) 1,2-Dichloropropane	9.37	63	250513	51.540 ug/L	99
38) Bromodichloromethane	9.65	83	359265	52.711 ug/L	100
39) cis-1,3-Dichloropropene	10.07	75	425298	54.868 ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	300900	108.634 ug/L	97

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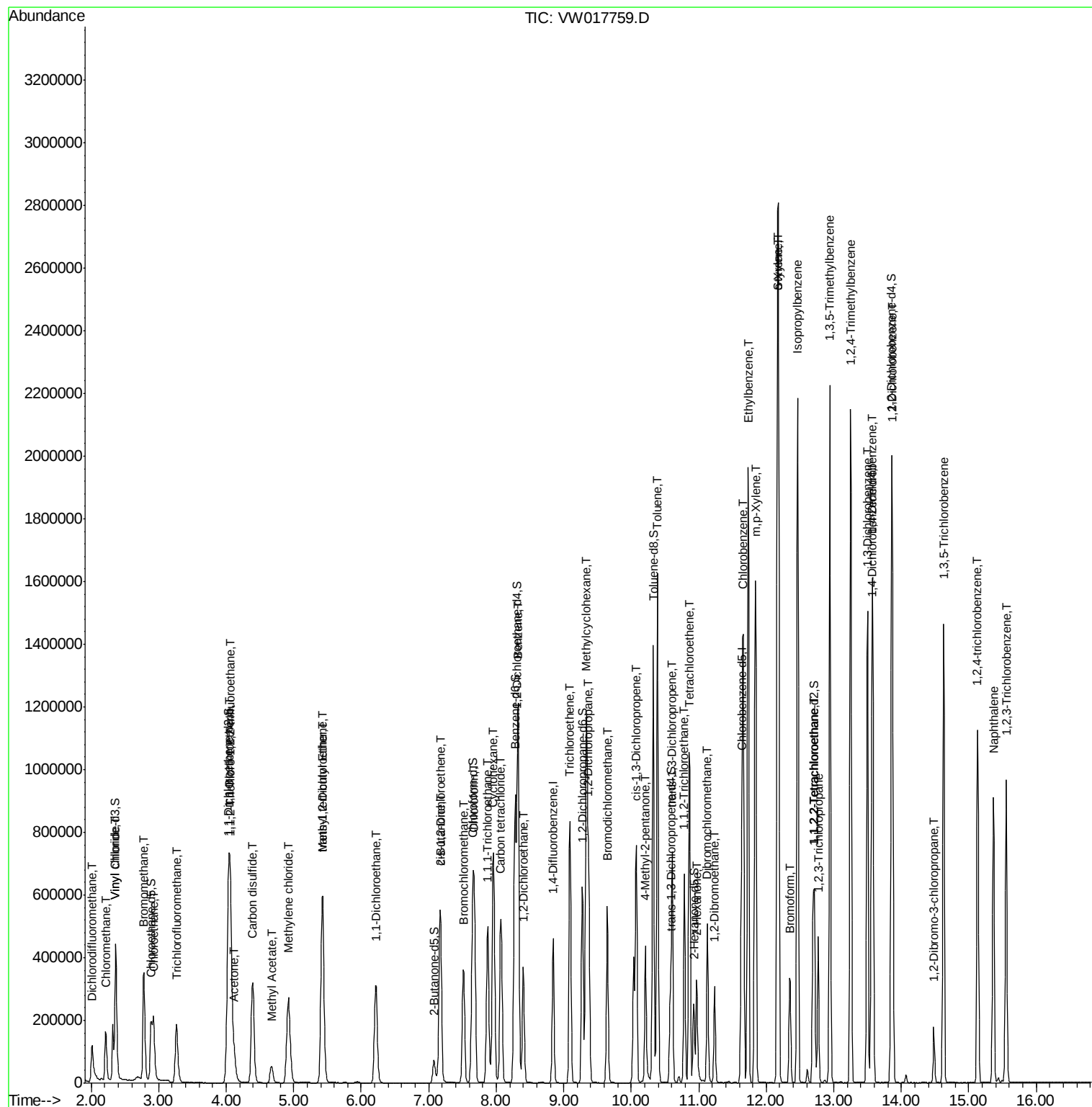
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	1178833	54.353	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	390584	56.178	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	202172	52.429	ug/L	99
46) Tetrachloroethene	10.86	164	219506	48.491	ug/L	92
48) 2-Hexanone	10.97	43	216356	115.128	ug/L	95
49) Dibromochloromethane	11.13	129	254321	53.512	ug/L	96
50) 1,2-Dibromoethane	11.24	107	201407	53.422	ug/L	99
51) Chlorobenzene	11.66	112	747963	52.438	ug/L	100
52) Ethylbenzene	11.73	91	1346438	55.020	ug/L	99
53) m,p-Xylene	11.84	106	527682	56.538	ug/L	92
54) o-Xylene	12.16	106	505005	57.137	ug/L	98
55) Styrene	12.18	104	902643	59.790	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.71	83	245474	54.081	ug/L	97
59) Bromoform	12.35	173	147414	49.115	ug/L #	98
60) Isopropylbenzene	12.46	105	1412516	53.883	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	181631	49.476	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1166007	54.535	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	1158702	54.770	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	601058	48.914	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	586564	47.066	ug/L	89
67) 1,2-Dichlorobenzene	13.87	146	534697	47.834	ug/L #	93
68) 1,2-Dibromo-3-chloropropan	14.48	75	43634	52.018	ug/L	85
69) 1,3,5-Trichlorobenzene	14.63	180	410885	46.701	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	340875	45.782	ug/L	96
71) Naphthalene	15.36	128	767651	58.595	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	309822	47.911	ug/L	99

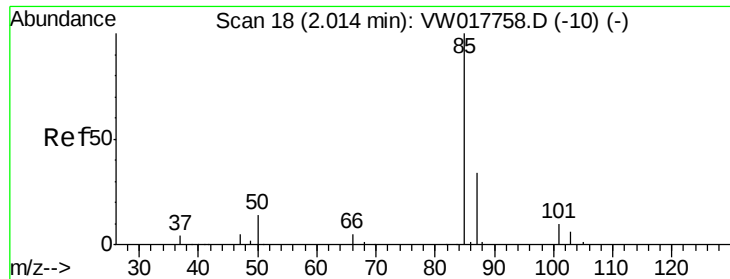
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#2

Dichlorodifluoromethane

Concen: 61.815 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

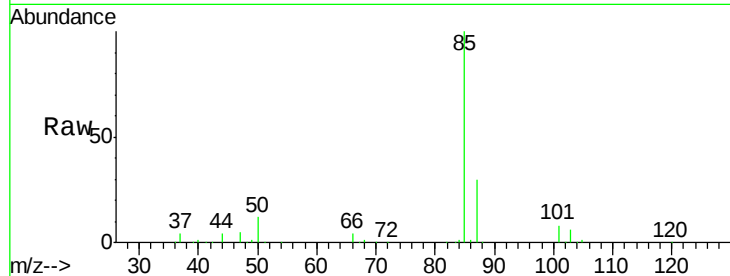
VSTD050105

Tgt Ion: 85 Resp: 196555

Ion Ratio Lower Upper

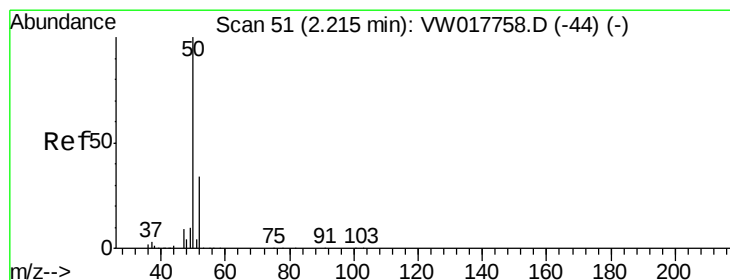
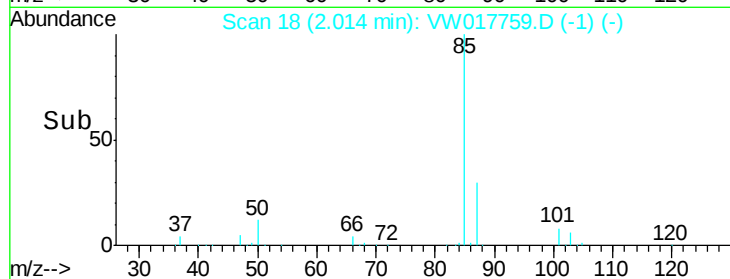
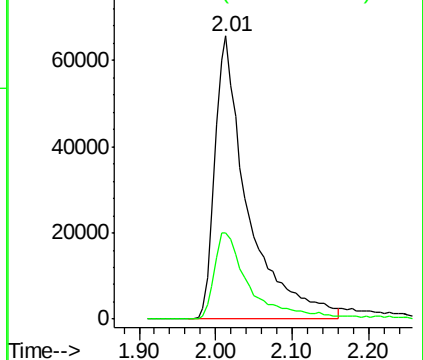
85 100

87 31.4 23.8 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 54.730 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017759.D

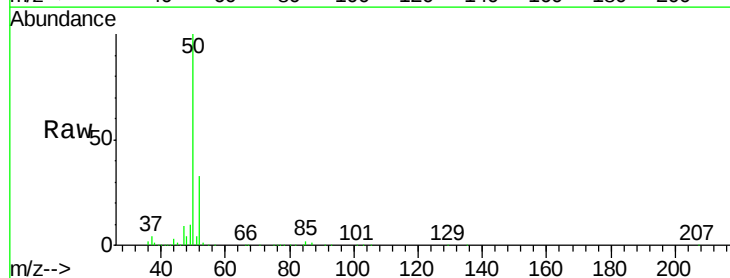
Acq: 28 Dec 2020 12:12

Tgt Ion: 50 Resp: 174272

Ion Ratio Lower Upper

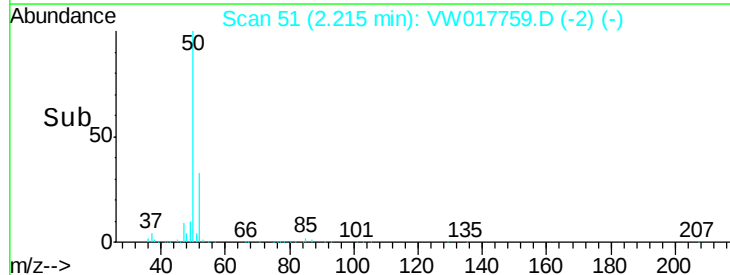
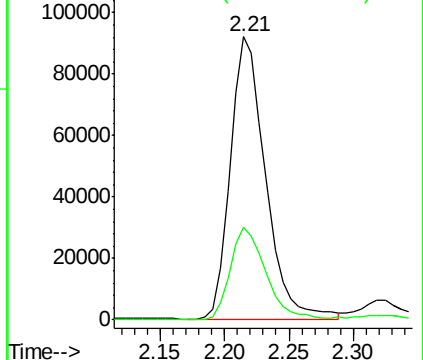
50 100

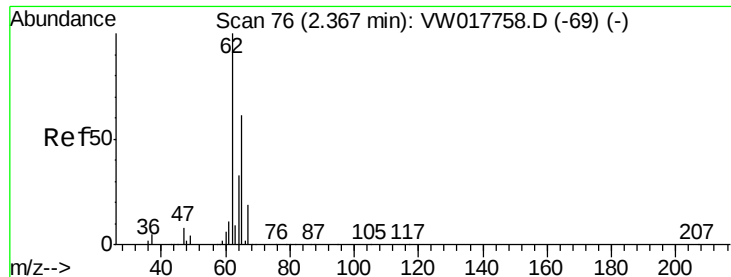
52 32.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 61.992 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

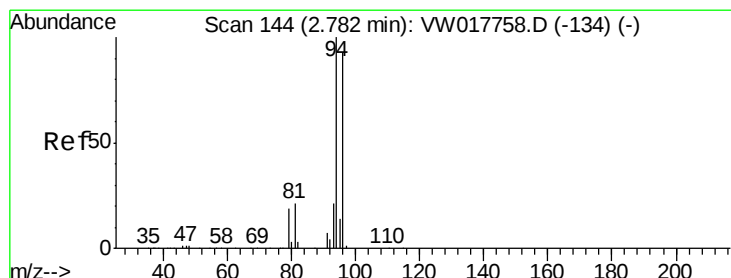
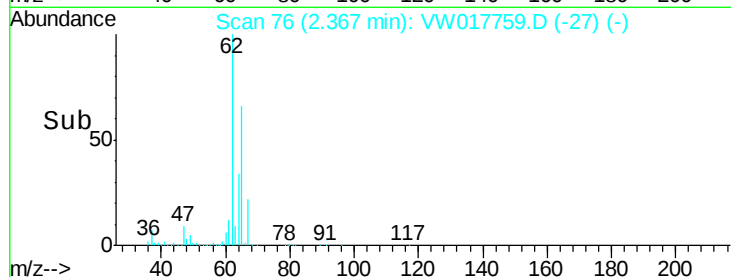
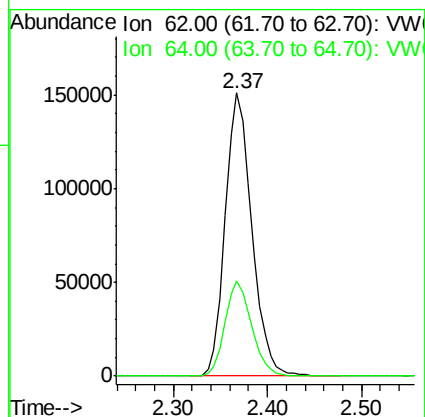
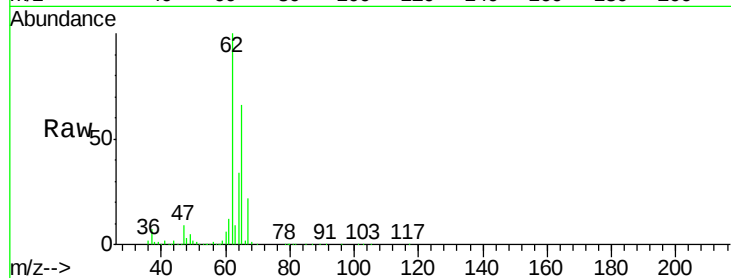
VSTD050105

Tgt Ion: 62 Resp: 296662

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.6



#6

Bromomethane

Concen: 75.298 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017759.D

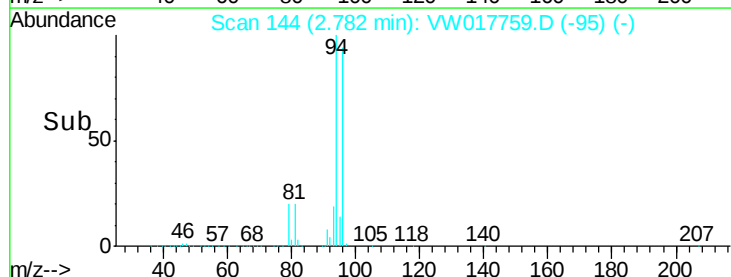
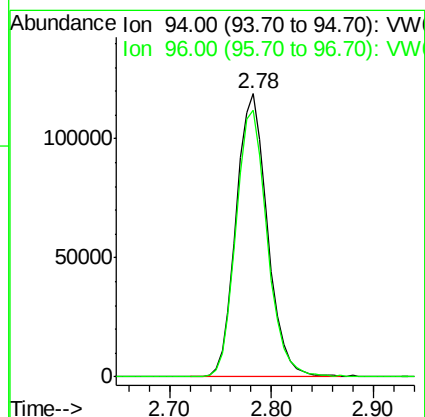
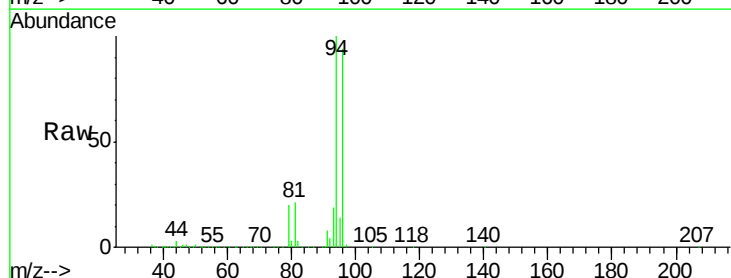
Acq: 28 Dec 2020 12:12

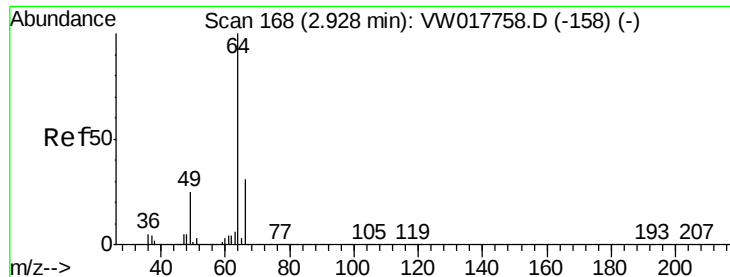
Tgt Ion: 94 Resp: 252312

Ion Ratio Lower Upper

94 100

96 94.1 65.0 120.6

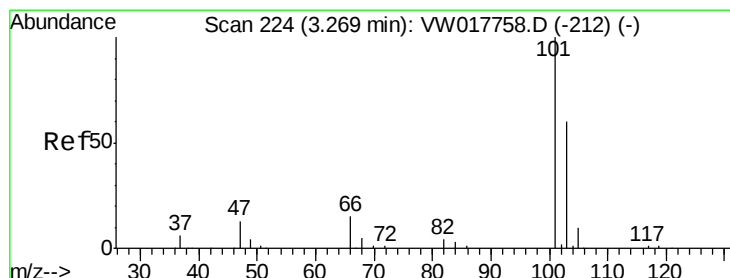
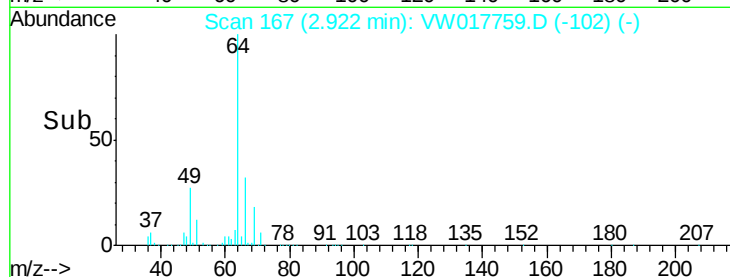
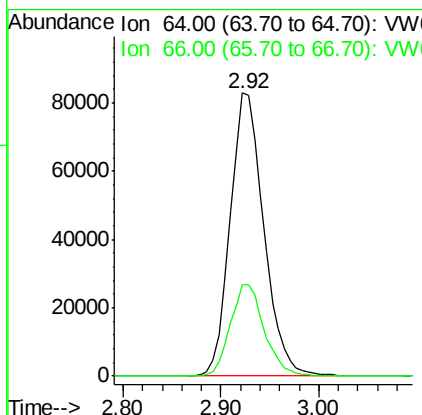
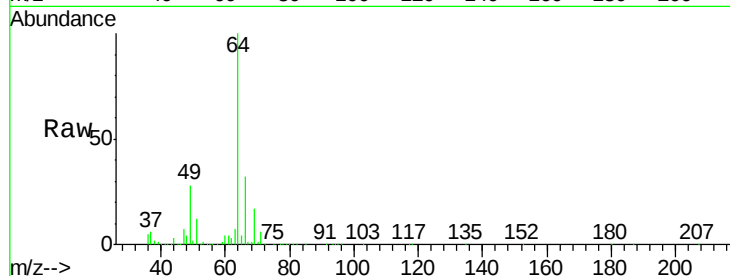




#8
Chloroethane
Concen: 65.239 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

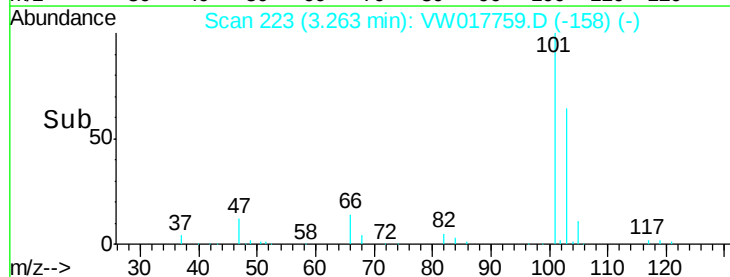
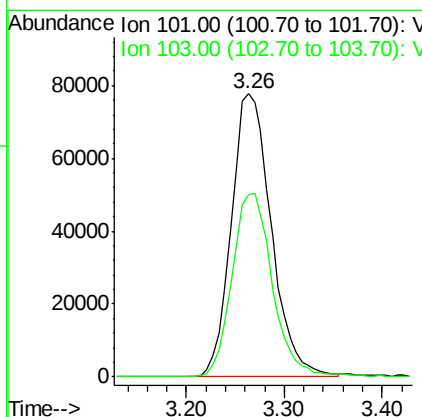
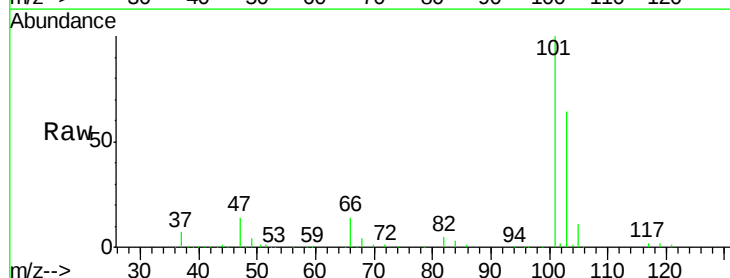
Instrument :
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VSTD050105

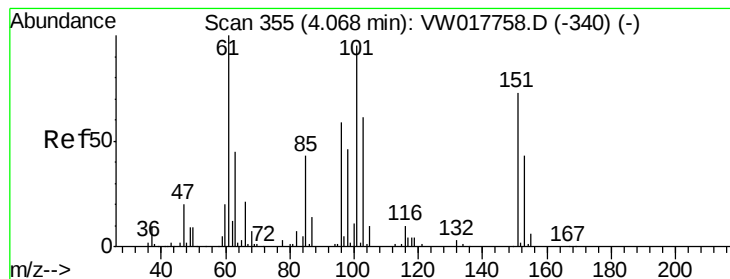
Tgt Ion: 64 Resp: 198304
Ion Ratio Lower Upper
64 100
66 32.4 21.7 40.3



#9
Trichlorofluoromethane
Concen: 50.285 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion: 101 Resp: 220190
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 47.621 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

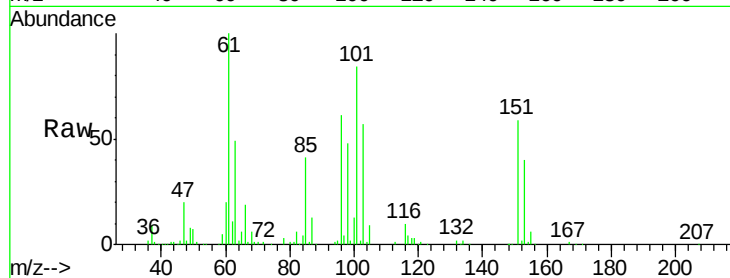
Tgt Ion:101 Resp: 237520

Ion Ratio Lower Upper

101 100

85 46.6 37.9 56.9

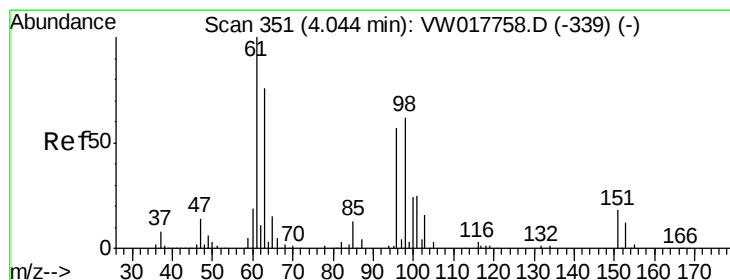
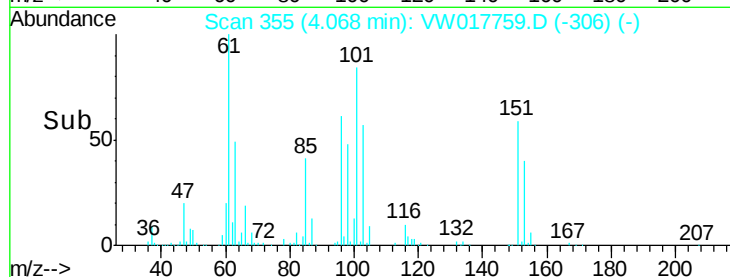
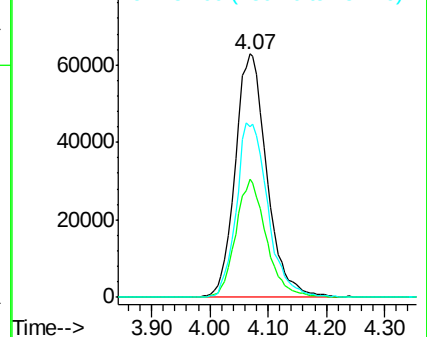
151 71.2 58.2 87.2



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: 48.942 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

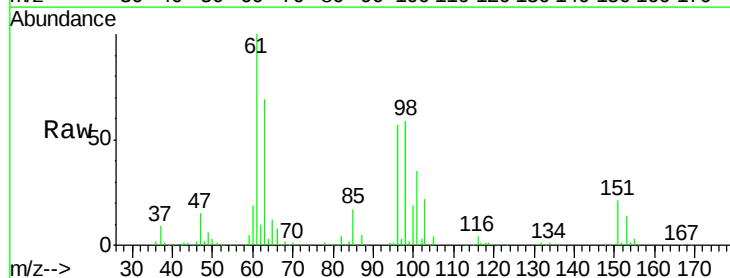
Tgt Ion: 96 Resp: 232738

Ion Ratio Lower Upper

96 100

61 175.4 123.7 229.7

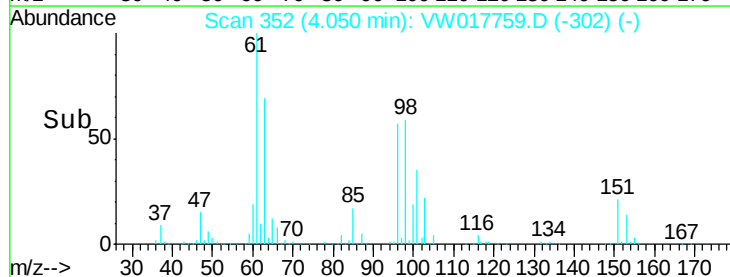
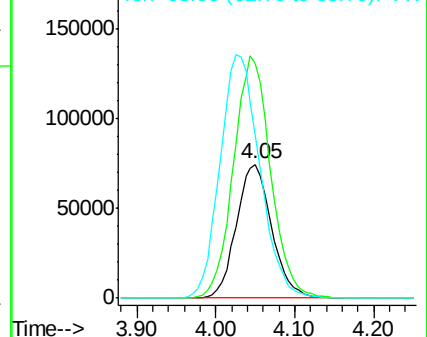
63 121.9 96.6 179.4

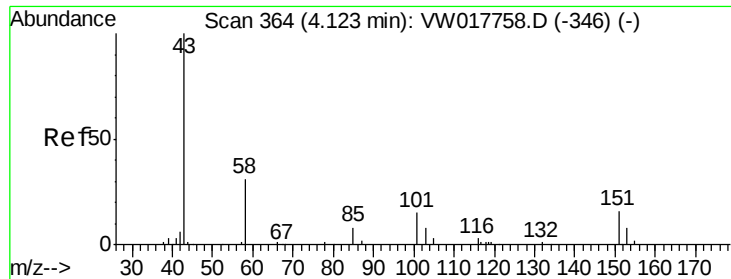


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

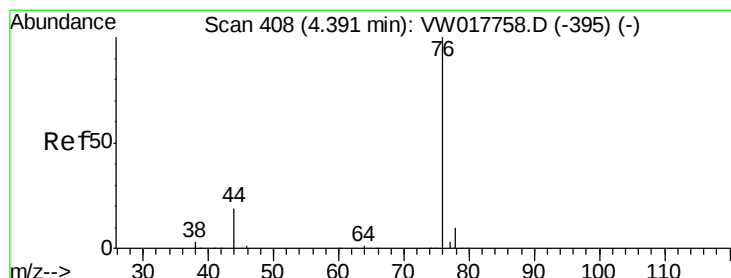
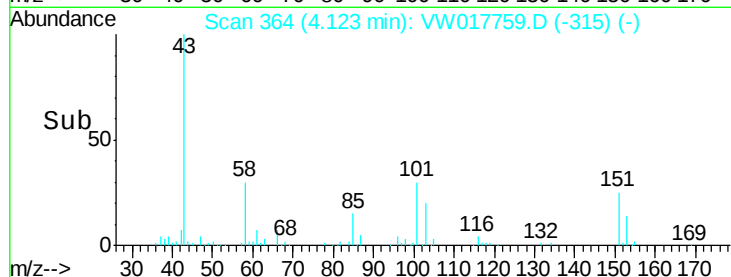
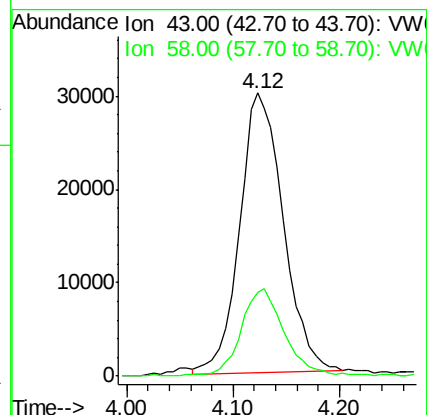
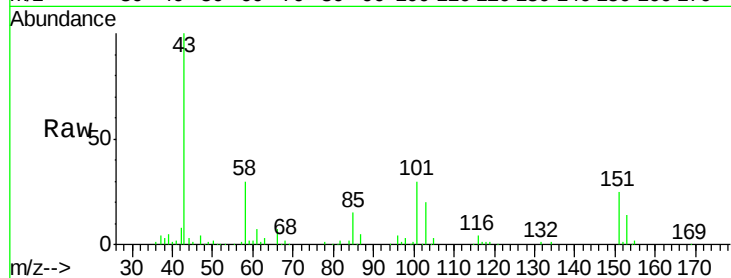




#13
Acetone
Concen: 88.270 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

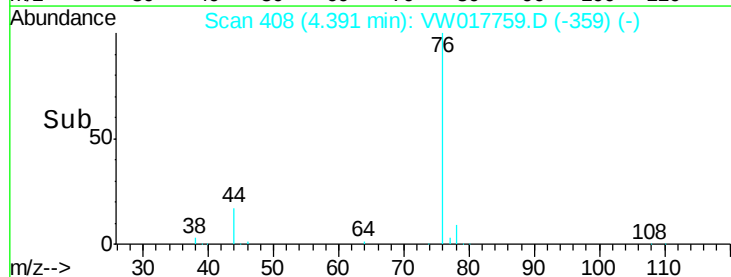
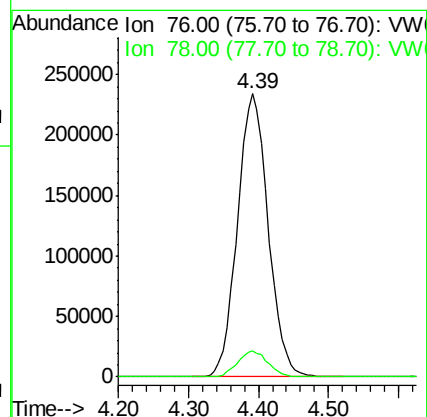
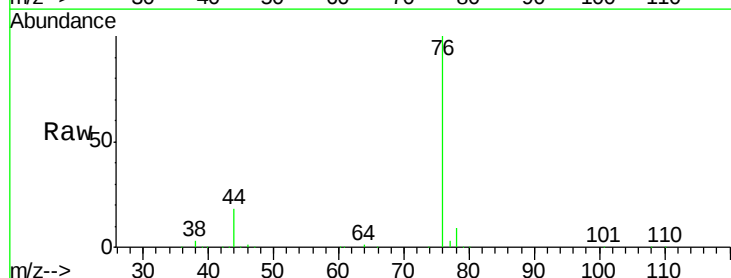
Instrument :
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ClientSampleId :
VSTD050105

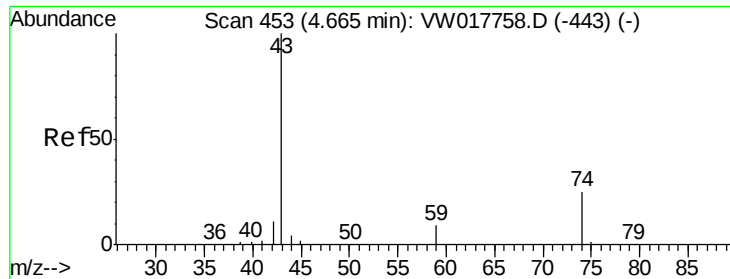
Tgt Ion: 43 Resp: 85754
Ion Ratio Lower Upper
43 100
58 30.7 0.0 57.8



#14
Carbon disulfide
Concen: 52.627 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion: 76 Resp: 713882
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5

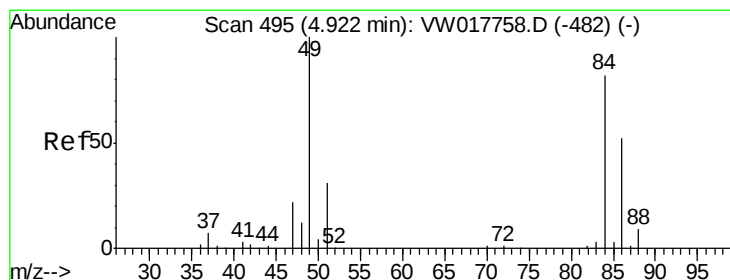
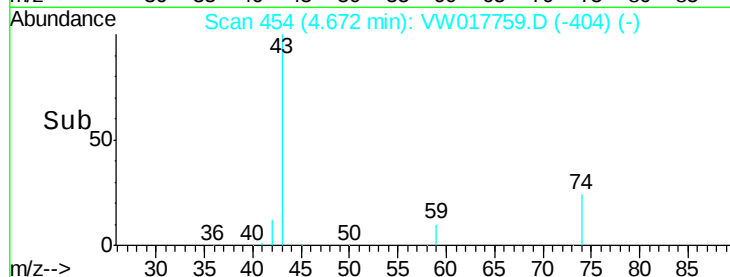
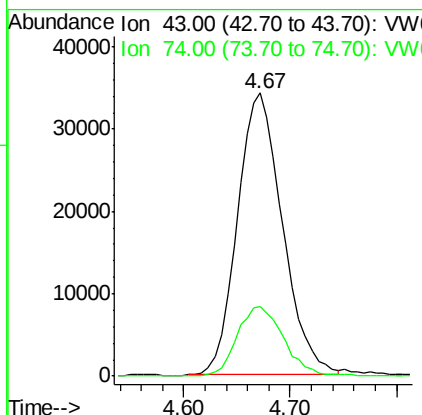
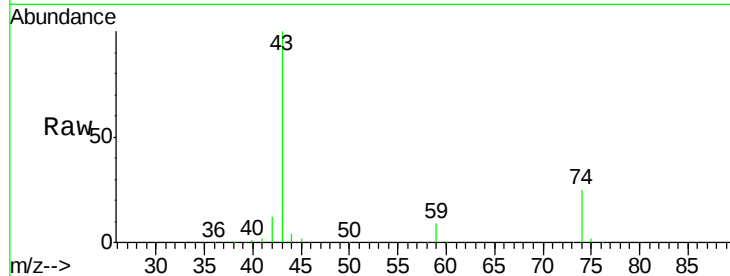




#15
Methyl Acetate
Concen: 51.072 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

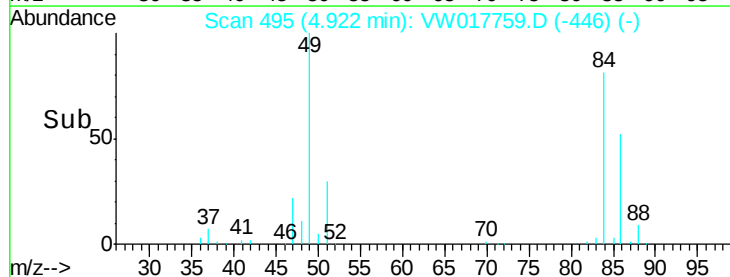
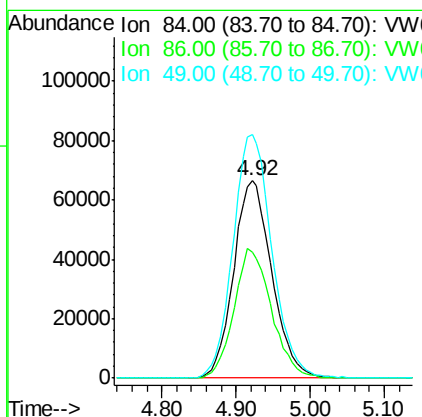
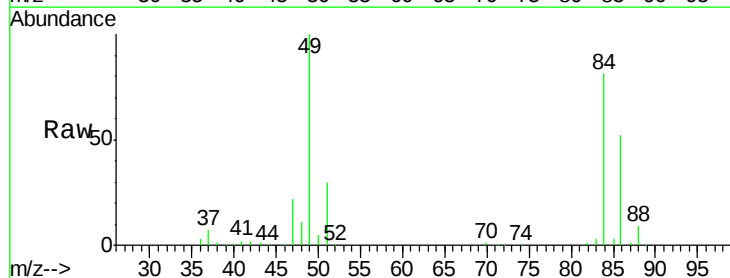
Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

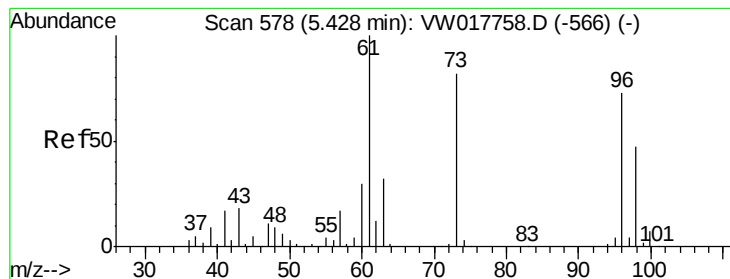
Tgt Ion: 43 Resp: 101670
Ion Ratio Lower Upper
43 100
74 25.3 19.3 28.9



#16
Methylene chloride
Concen: 43.270 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion: 84 Resp: 239390
Ion Ratio Lower Upper
84 100
86 63.6 44.0 81.8
49 123.4 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 51.458 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

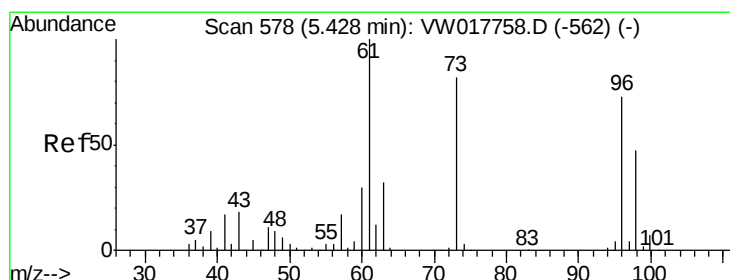
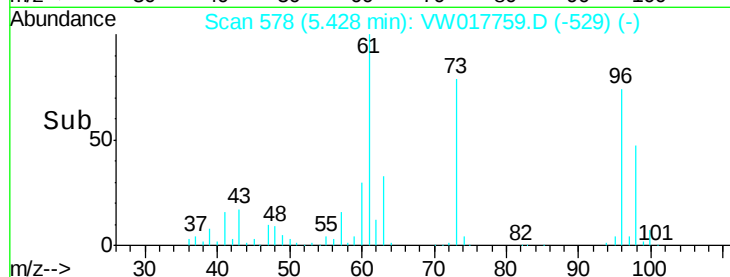
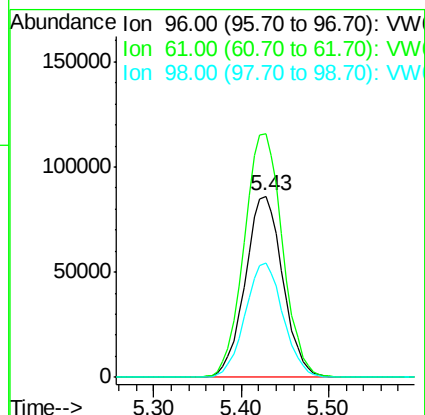
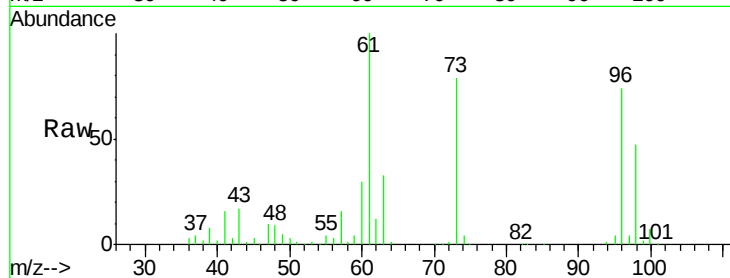
Tgt Ion: 96 Resp: 256722

Ion Ratio Lower Upper

96 100

61 134.6 96.0 178.4

98 63.1 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 54.892 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

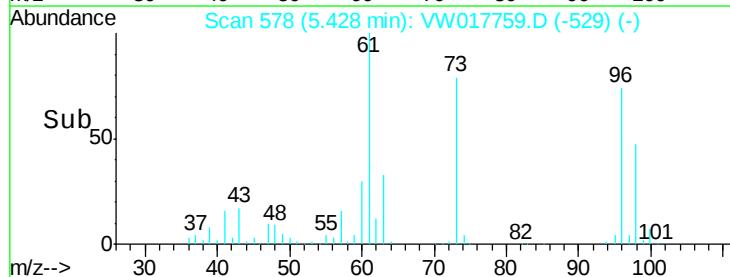
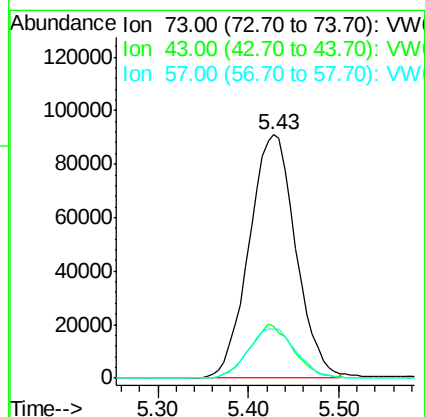
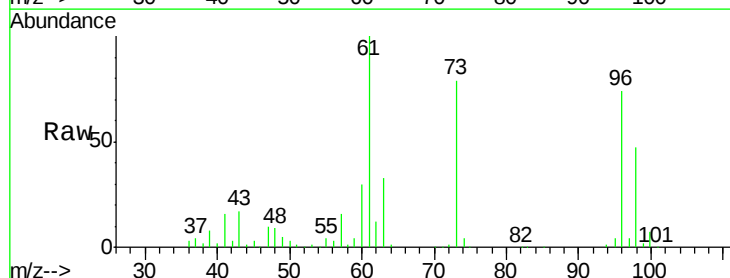
Tgt Ion: 73 Resp: 323764

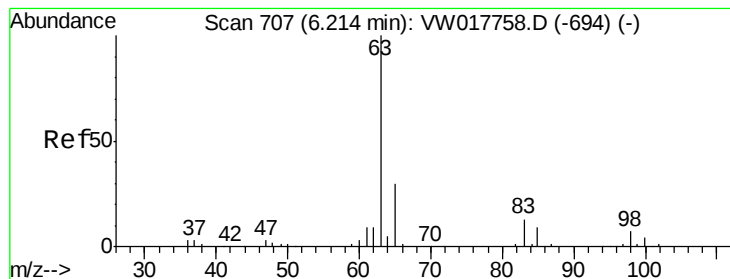
Ion Ratio Lower Upper

73 100

43 21.1 17.4 26.0

57 20.8 16.9 25.3





#19

1,1-Dichloroethane

Concen: 51.683 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

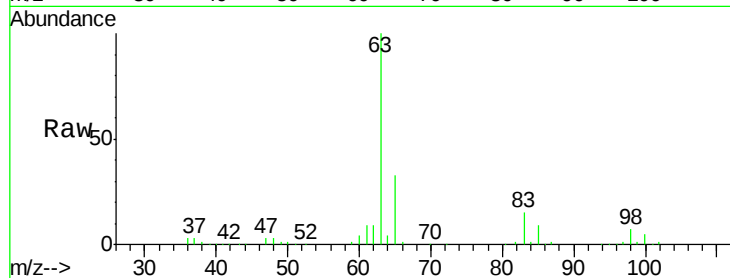
Tgt Ion: 63 Resp: 446367

Ion Ratio Lower Upper

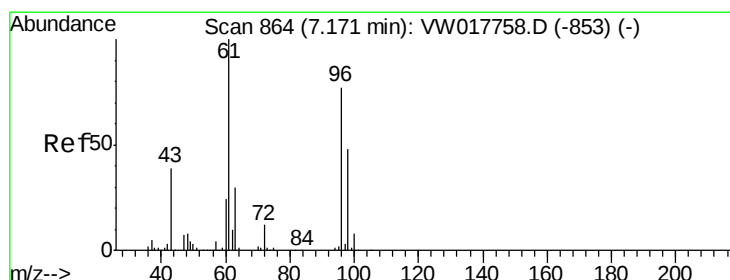
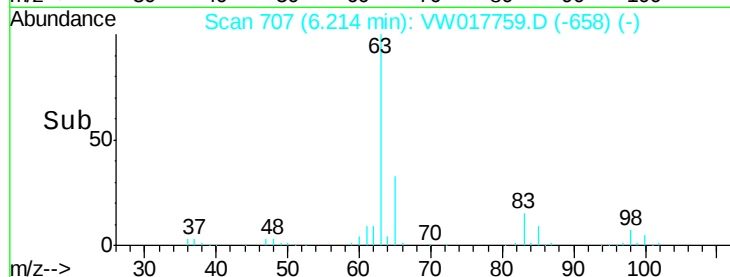
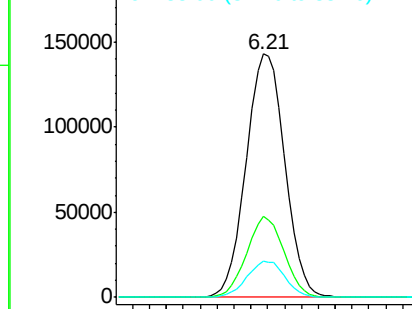
63 100

65 33.0 21.3 39.5

83 14.8 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: 51.666 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

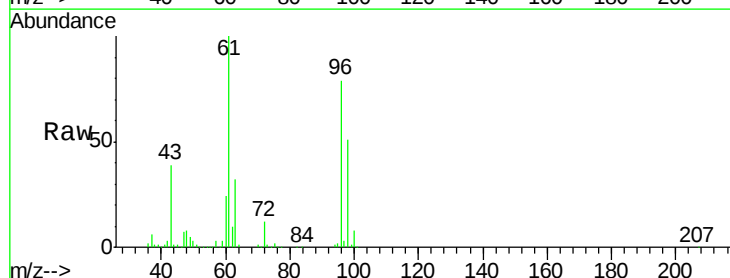
Tgt Ion: 96 Resp: 275054

Ion Ratio Lower Upper

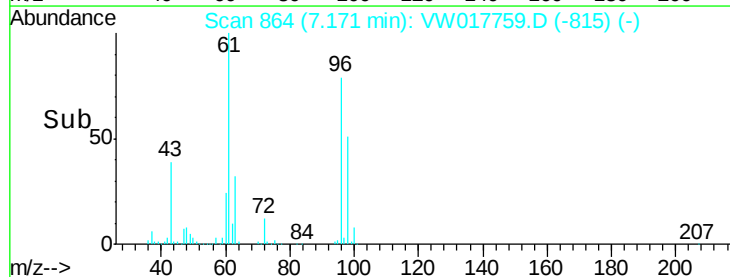
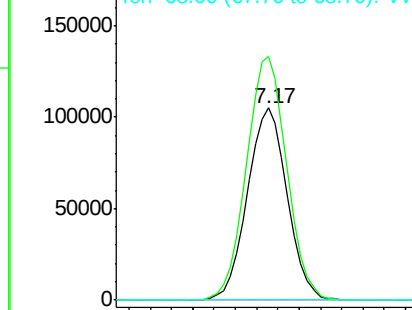
96 100

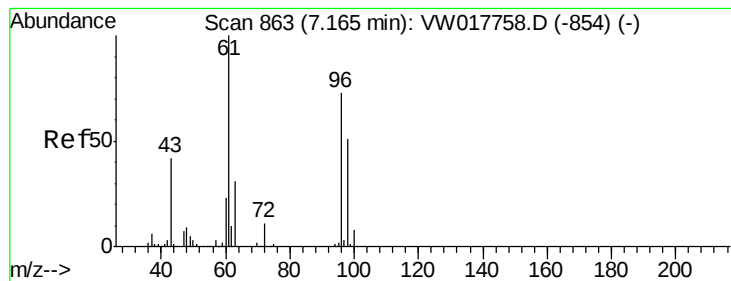
61 126.9 91.6 170.2

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: 94.135 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

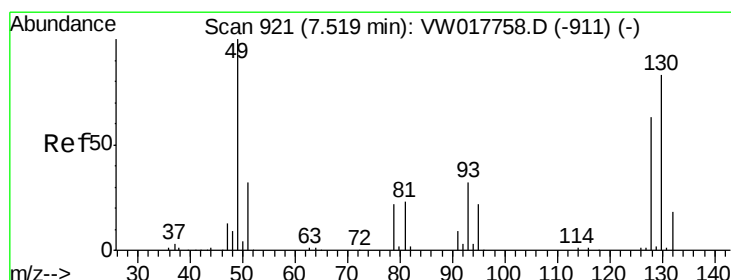
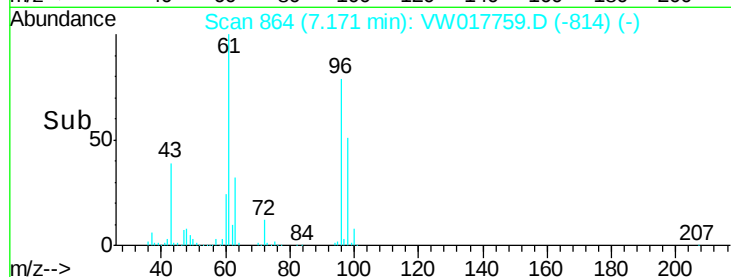
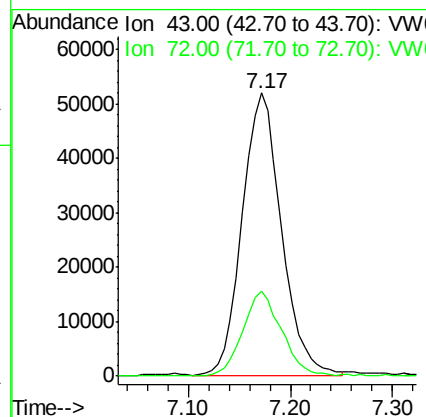
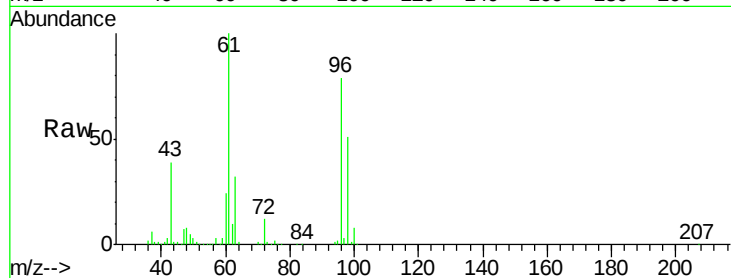
VSTD050105

Tgt Ion: 43 Resp: 137957

Ion Ratio Lower Upper

43 100

72 29.9 14.6 44.0



#23

Bromochloromethane

Concen: 50.895 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Tgt Ion: 128 Resp: 125677

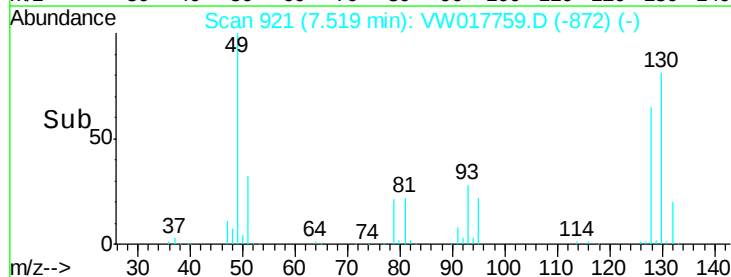
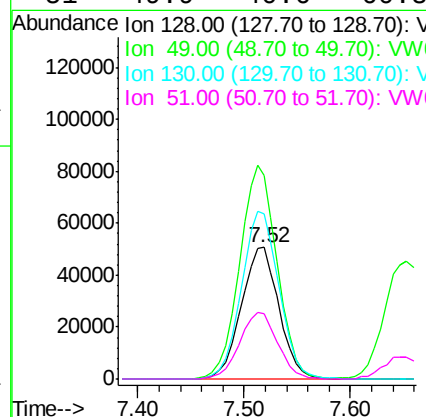
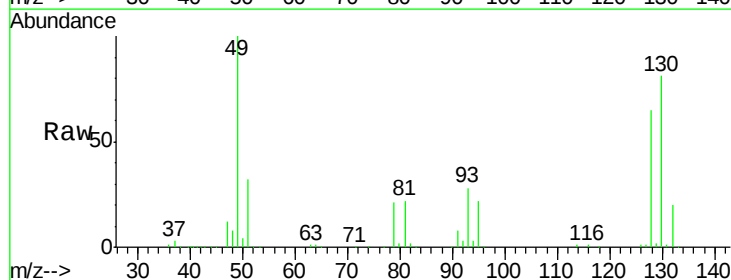
Ion Ratio Lower Upper

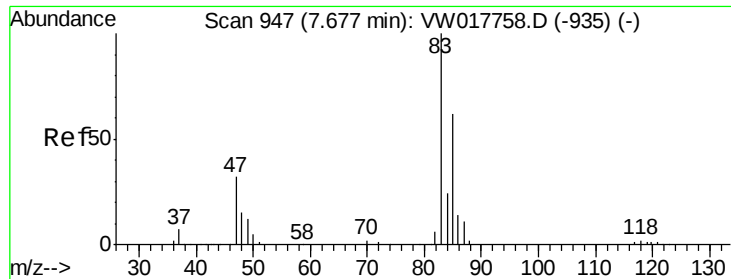
128 100

49 154.7 111.2 206.6

130 125.3 91.9 170.7

51 49.9 40.6 60.8

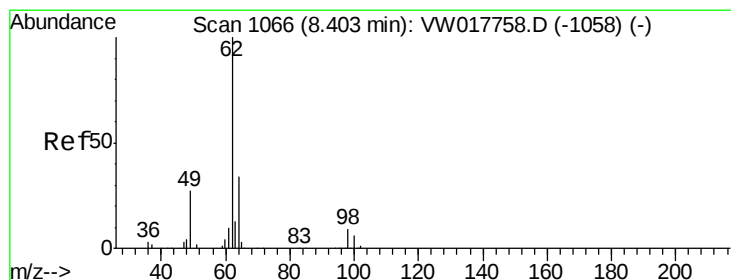
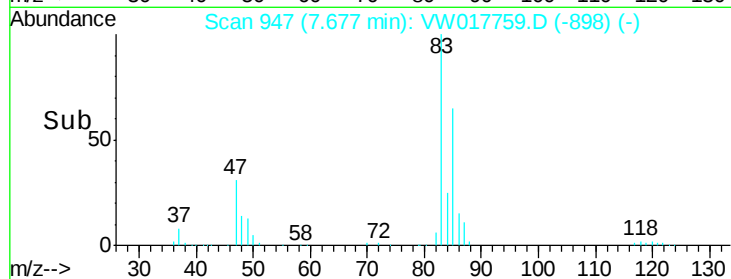
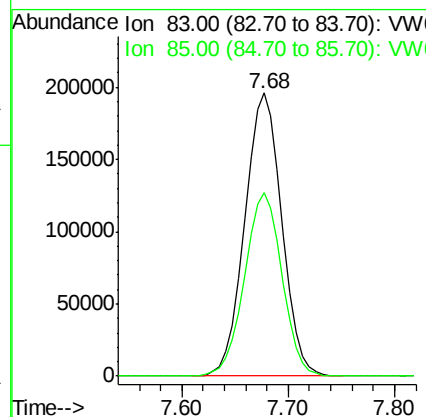
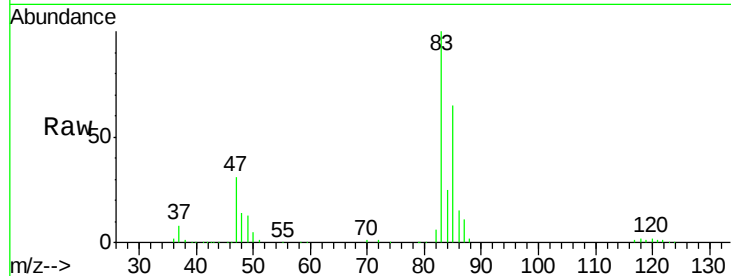




#25
Chloroform
Concen: 51.847 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

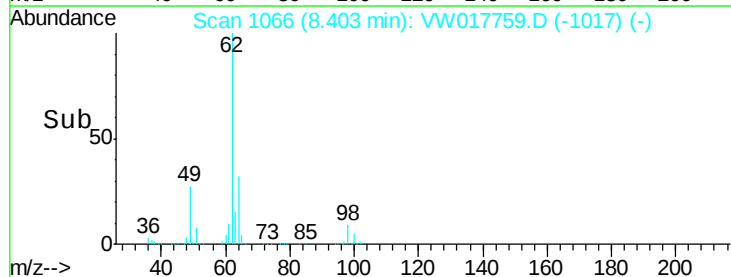
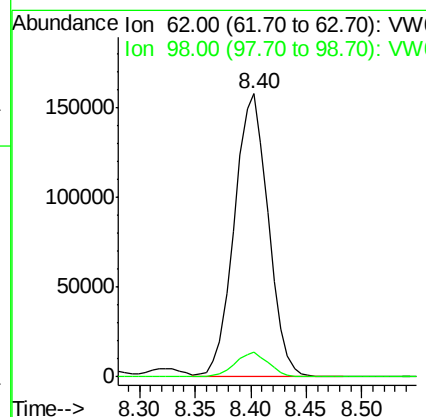
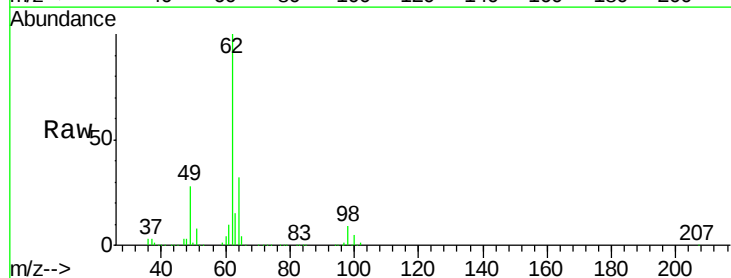
Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

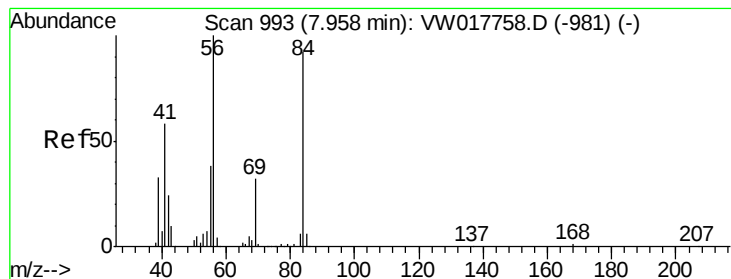
Tgt Ion: 83 Resp: 477346
Ion Ratio Lower Upper
83 100
85 65.0 43.6 81.0



#27
1,2-Dichloroethane
Concen: 55.947 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion: 62 Resp: 333971
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2





#29

Cyclohexane

Concen: 53.942 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

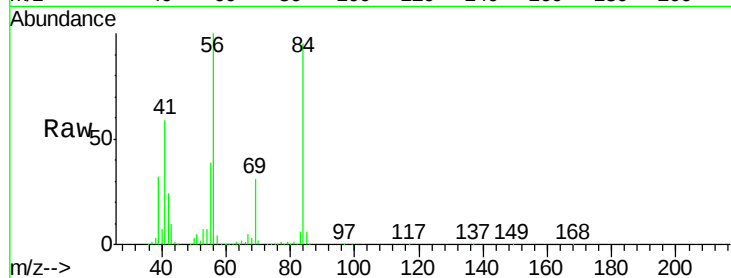
Tgt Ion: 56 Resp: 413204

Ion Ratio Lower Upper

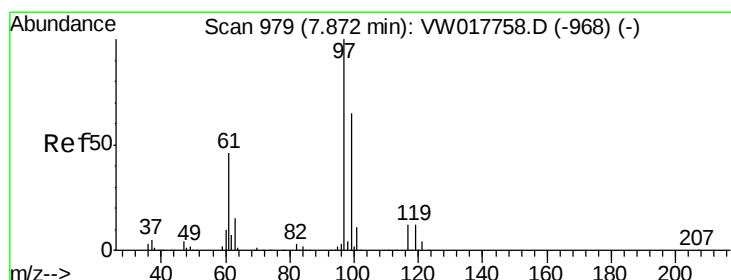
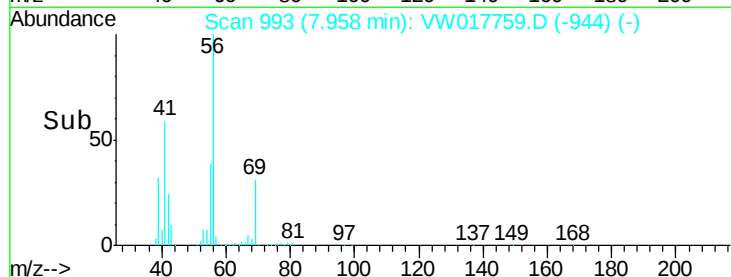
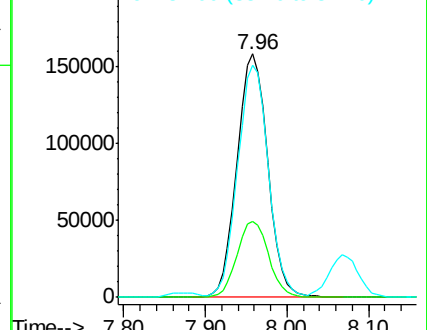
56 100

69 32.0 25.4 38.2

84 95.4 74.3 111.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#30

1,1,1-Trichloroethane

Concen: 50.919 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

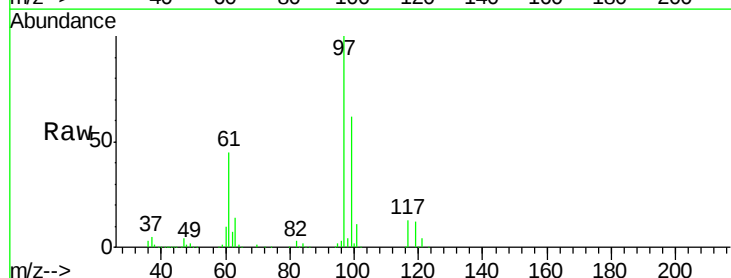
Tgt Ion: 97 Resp: 405114

Ion Ratio Lower Upper

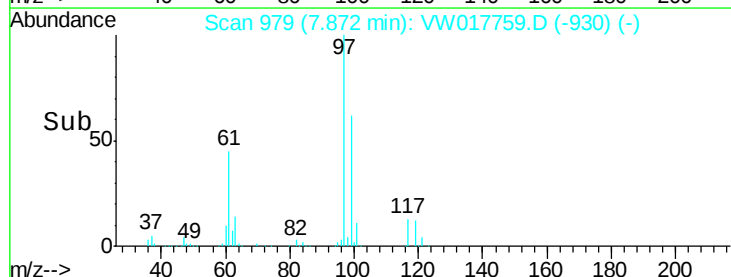
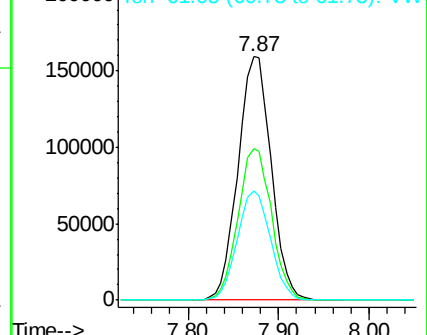
97 100

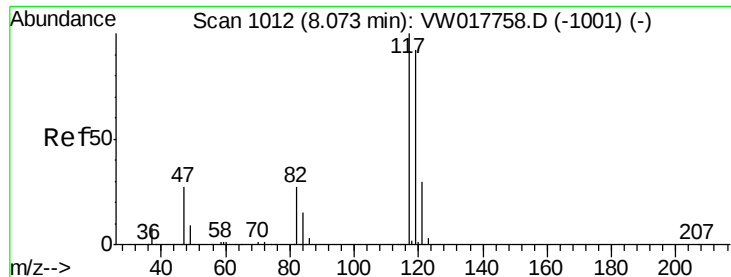
99 62.7 50.6 75.8

61 45.0 36.6 54.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW

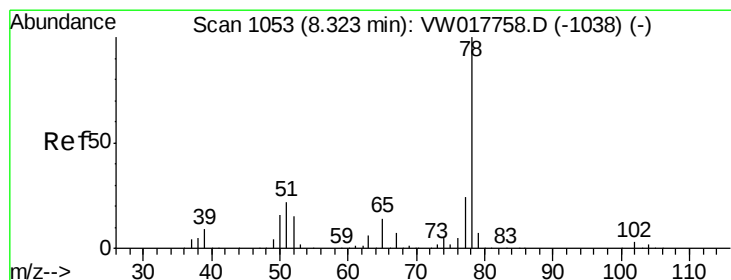
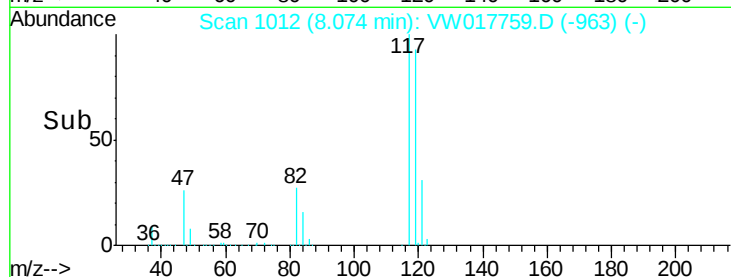
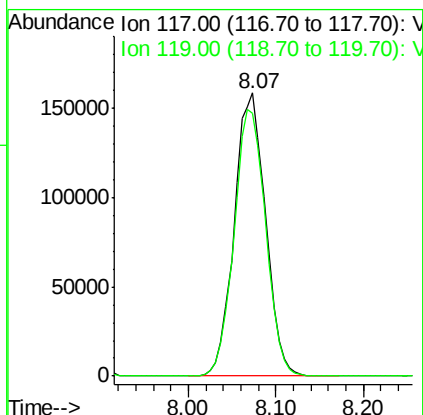
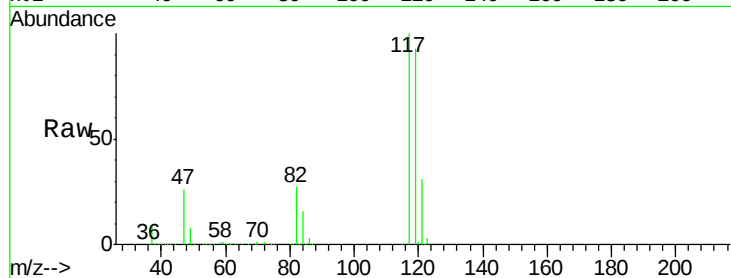




#31
Carbon tetrachloride
Concen: 51.114 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

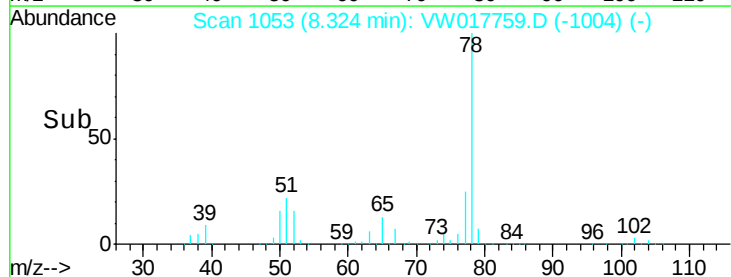
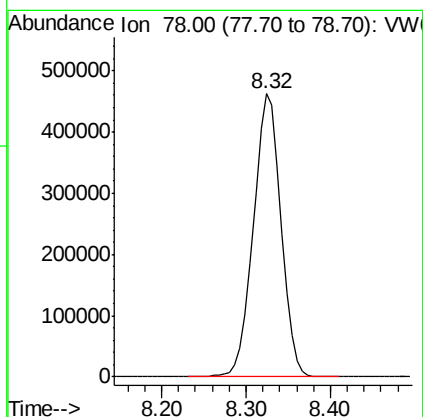
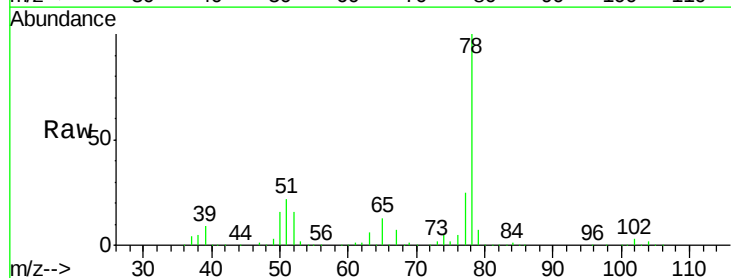
Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

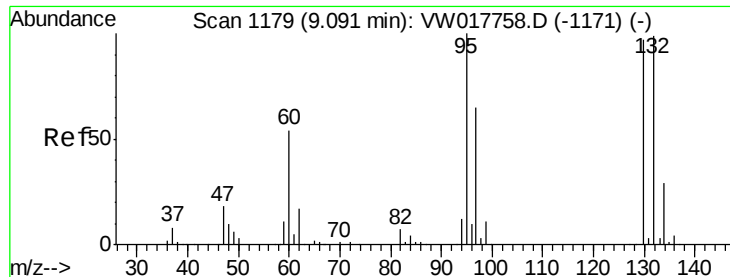
Tgt Ion:117 Resp: 393863
Ion Ratio Lower Upper
117 100
119 95.1 75.6 113.4



#33
Benzene
Concen: 51.592 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion: 78 Resp: 1030313





#34

Trichloroethene

Concen: 51.137 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

Tgt Ion: 95 Resp: 281482

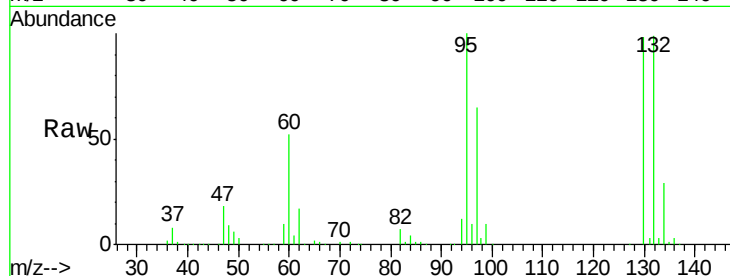
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.6

132 98.6 69.4 128.8

130 98.3 68.2 126.6

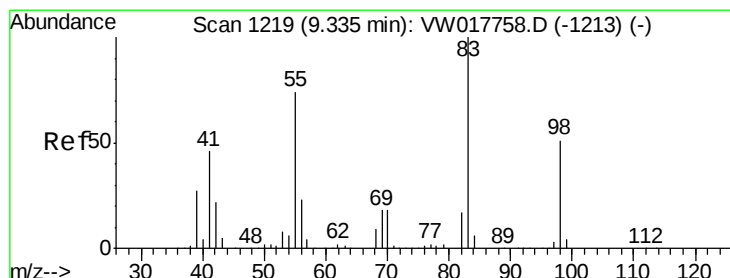
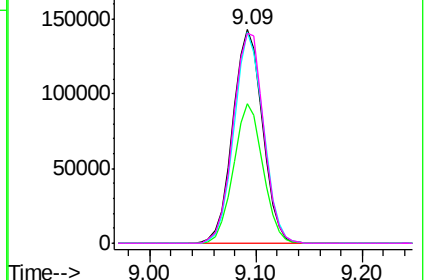
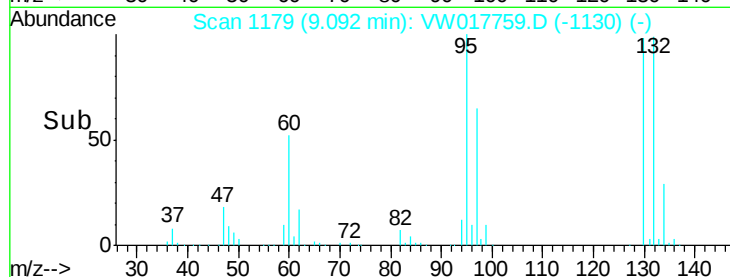


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35

Methylcyclohexane

Concen: 53.933 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

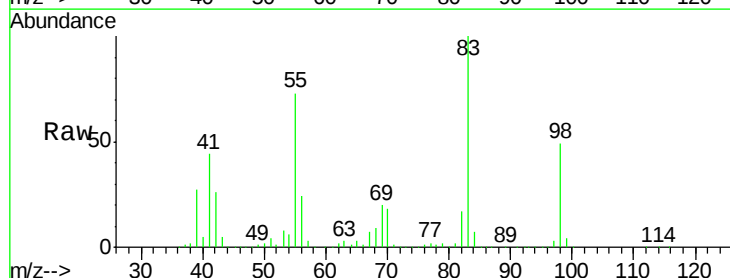
Tgt Ion: 83 Resp: 484019

Ion Ratio Lower Upper

83 100

55 72.5 58.6 88.0

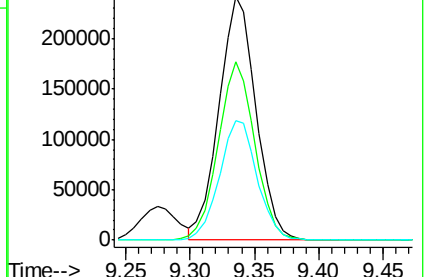
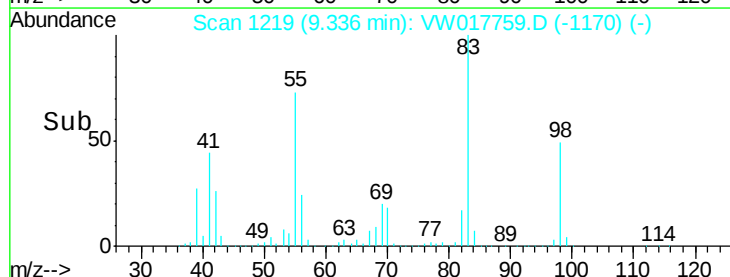
98 50.3 40.5 60.7

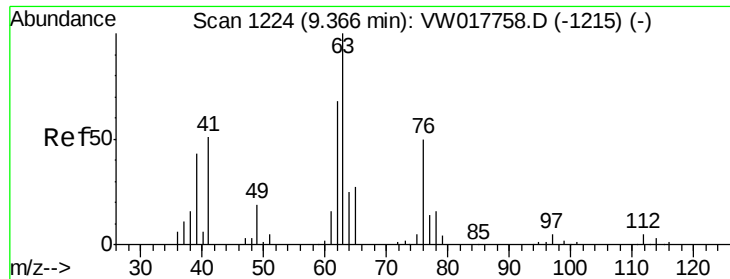


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

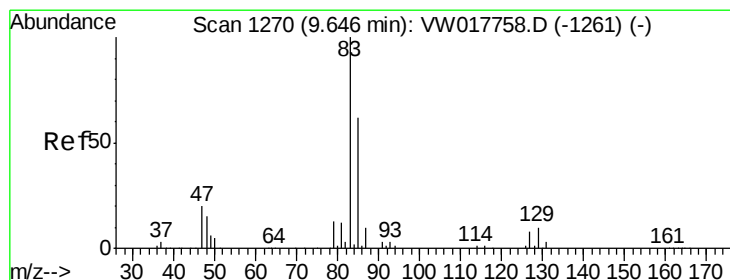
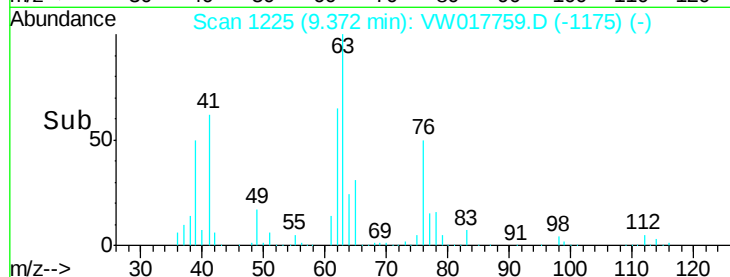
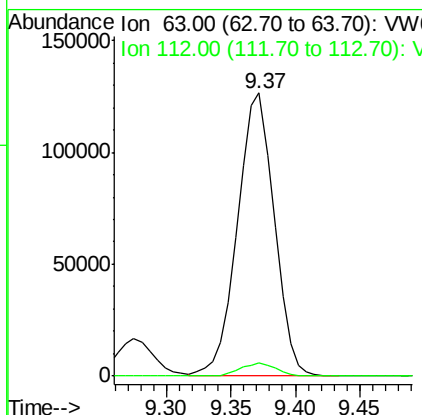
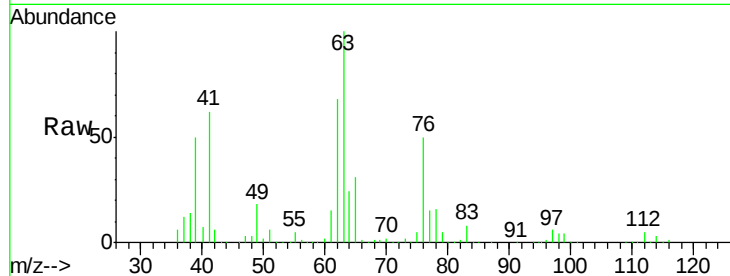




#37
 1,2-Dichloropropane
 Concen: 51.540 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

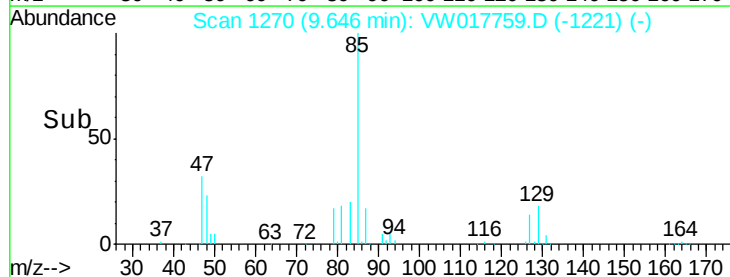
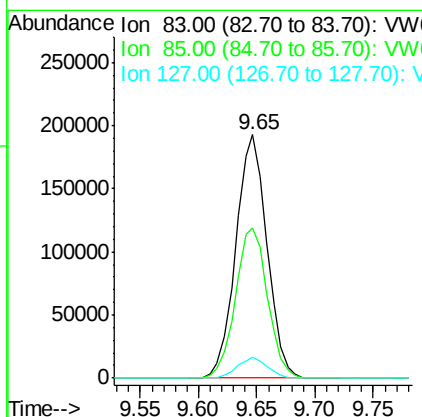
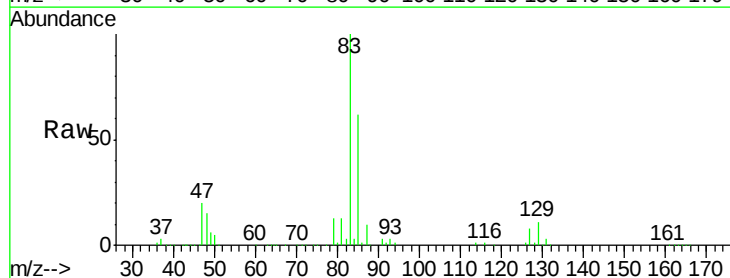
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

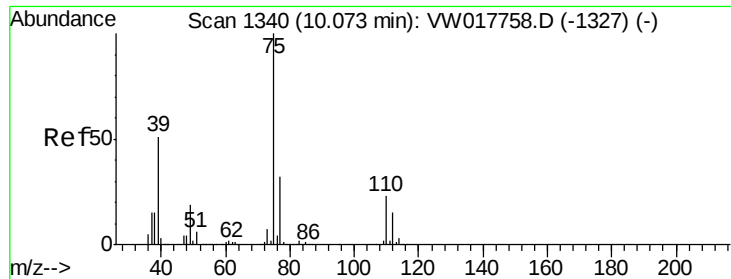
Tgt Ion: 63 Resp: 250513
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 52.711 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Tgt Ion: 83 Resp: 359265
 Ion Ratio Lower Upper
 83 100
 85 61.6 43.0 80.0
 127 8.5 6.1 9.1

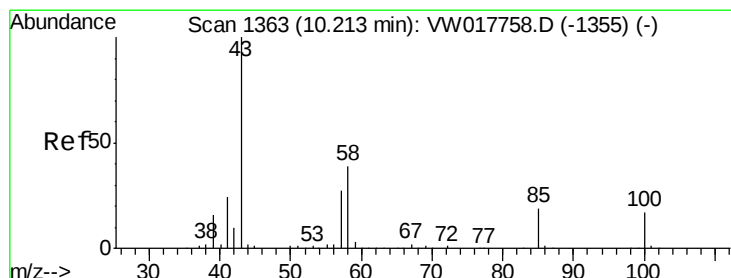
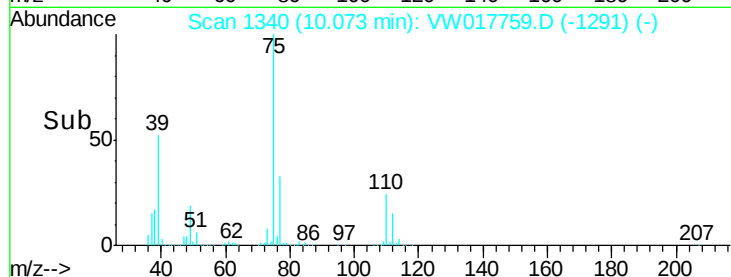
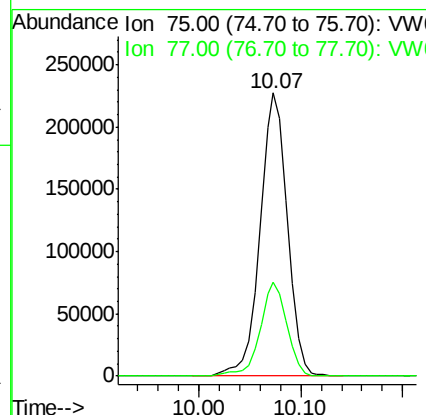
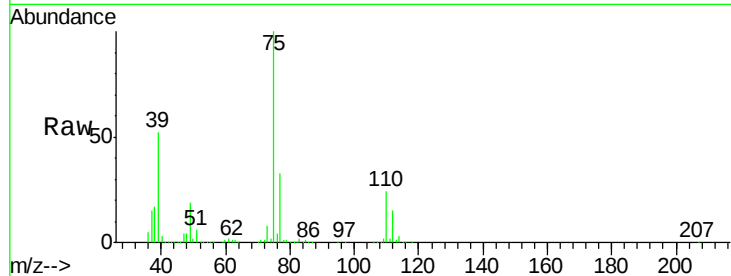




#39
 cis-1,3-Dichloropropene
 Concen: 54.868 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

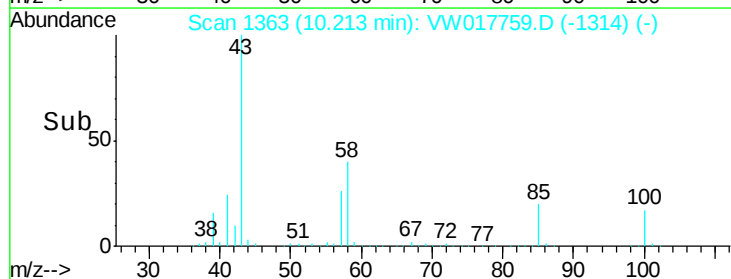
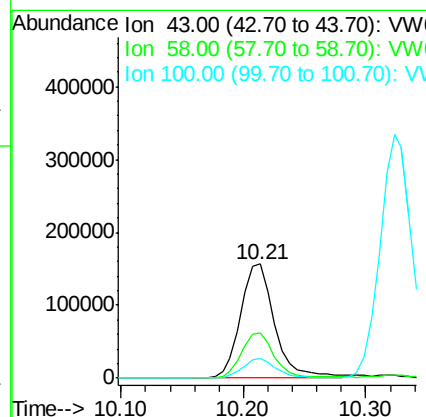
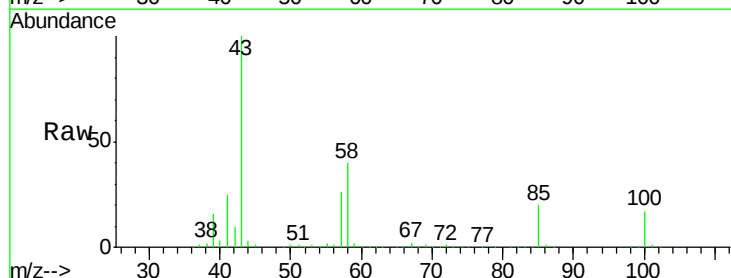
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

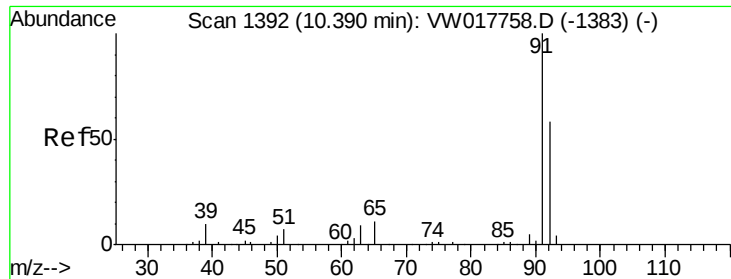
Tgt Ion: 75 Resp: 425298
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 108.634 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Tgt Ion: 43 Resp: 300900
 Ion Ratio Lower Upper
 43 100
 58 39.7 30.3 45.5
 100 17.2 12.8 19.2





#42

Toluene

Concen: 54.353 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

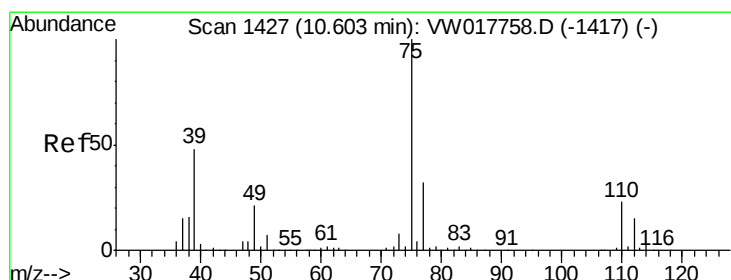
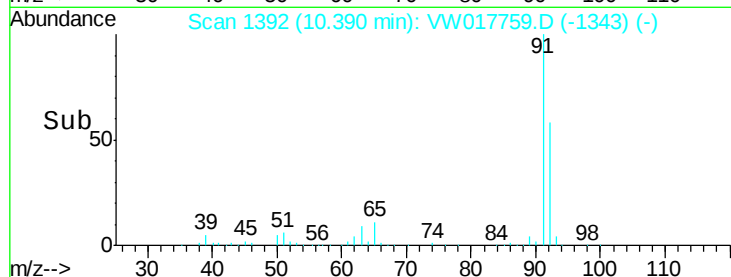
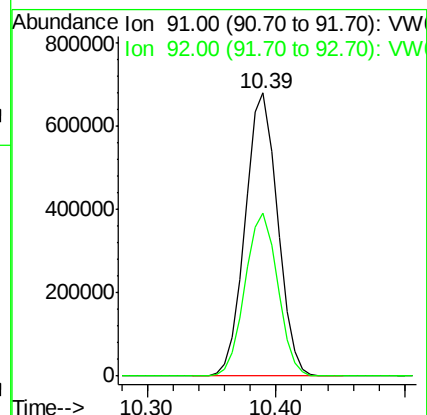
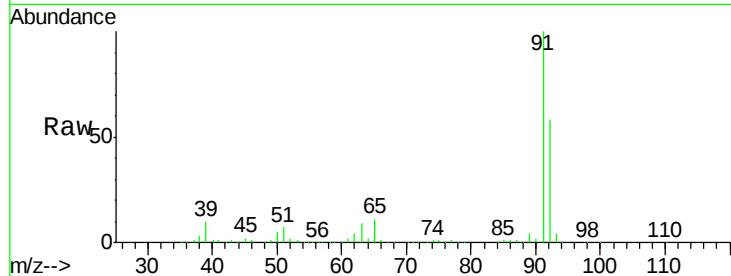
VSTD050105

Tgt Ion: 91 Resp: 1178833

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 56.178 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017759.D

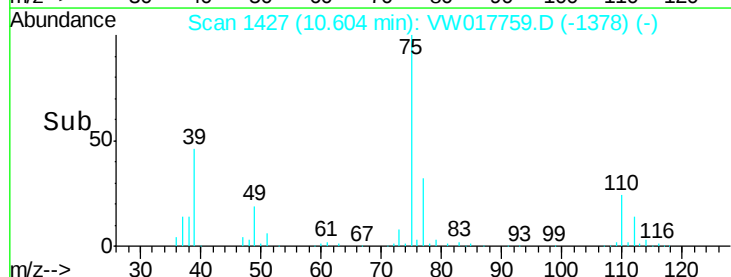
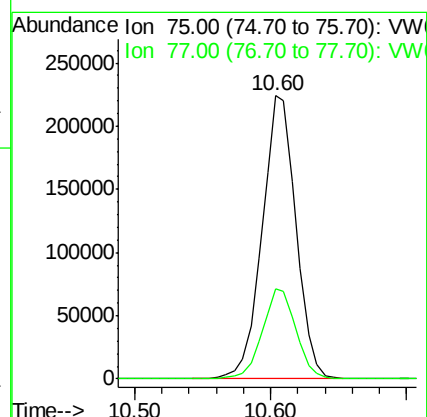
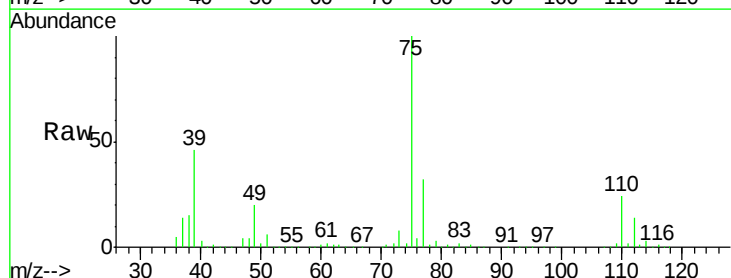
Acq: 28 Dec 2020 12:12

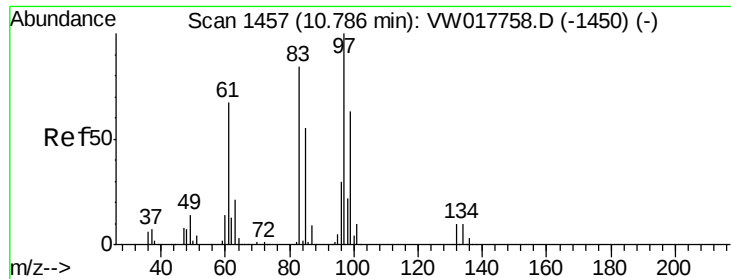
Tgt Ion: 75 Resp: 390584

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 52.429 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

Tgt Ion: 97 Resp: 202172

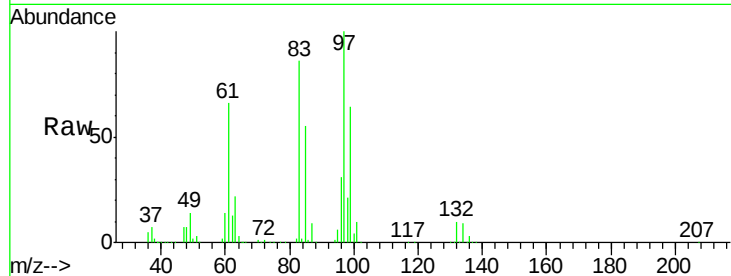
Ion Ratio Lower Upper

97 100

99 64.1 44.0 81.8

83 85.7 59.1 109.9

85 55.2 38.9 72.3

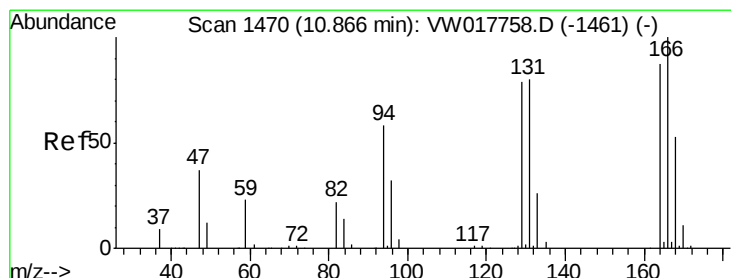
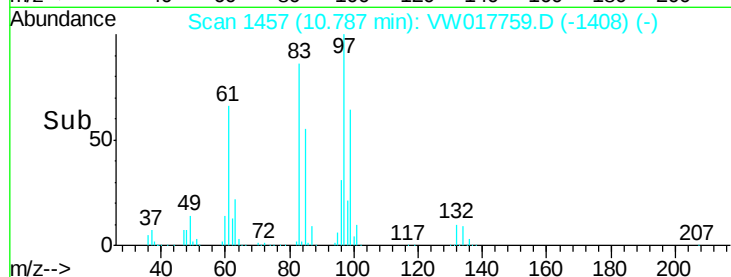
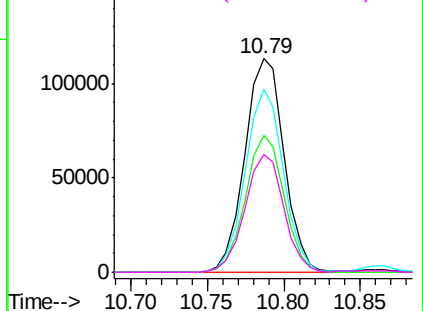


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 48.491 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Tgt Ion: 164 Resp: 219506

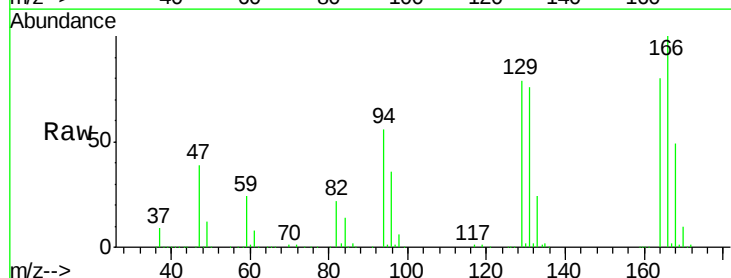
Ion Ratio Lower Upper

164 100

129 98.6 63.3 117.7

131 95.4 63.8 118.6

166 125.3 80.3 149.1

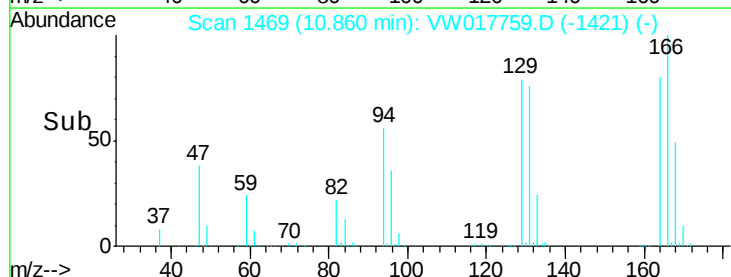
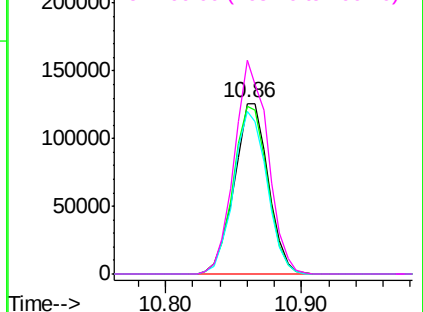


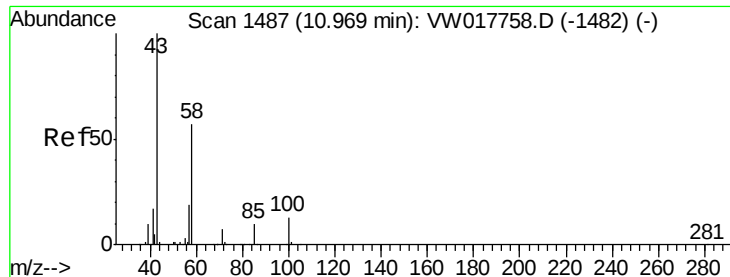
Abundance Ion 164.00 (163.70 to 164.70): V

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

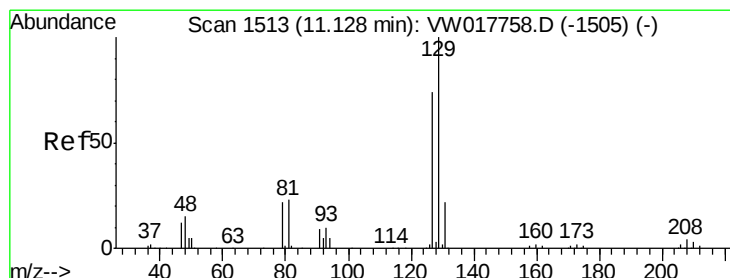
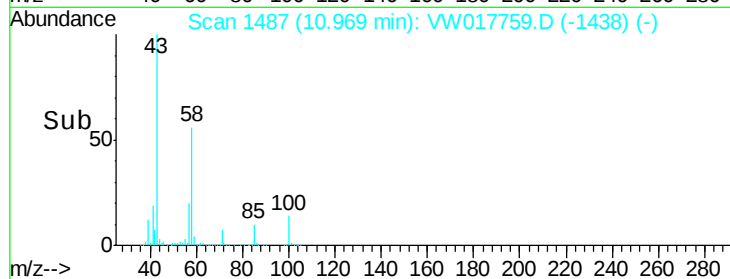
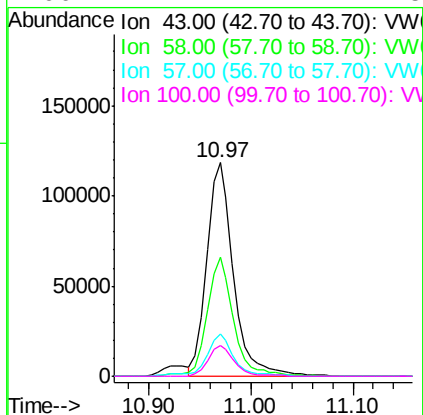
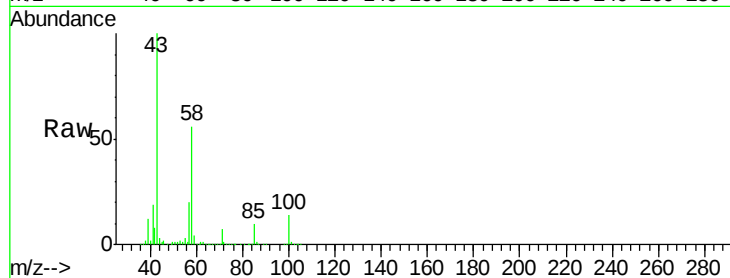




#48
2-Hexanone
Concen: 115.128 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

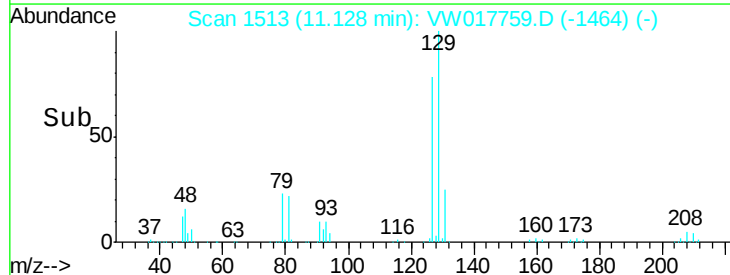
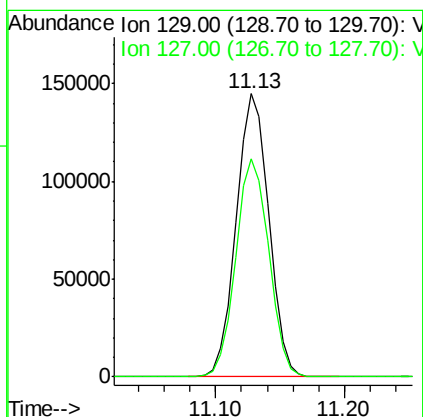
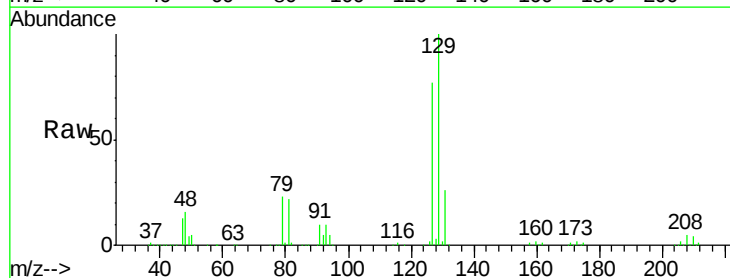
Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

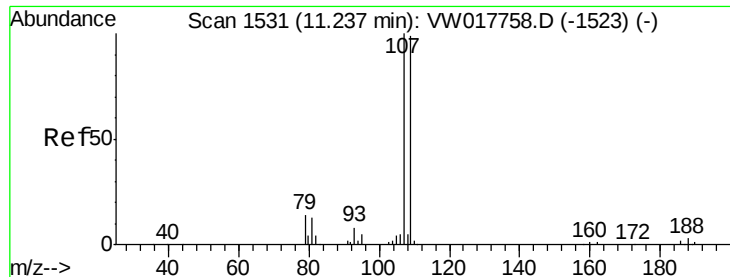
Tgt Ion: 43 Resp: 216356
Ion Ratio Lower Upper
43 100
58 53.8 46.8 70.2
57 16.8 14.6 22.0
100 14.1 11.7 17.5



#49
Dibromochloromethane
Concen: 53.512 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion: 129 Resp: 254321
Ion Ratio Lower Upper
129 100
127 76.9 51.6 95.8

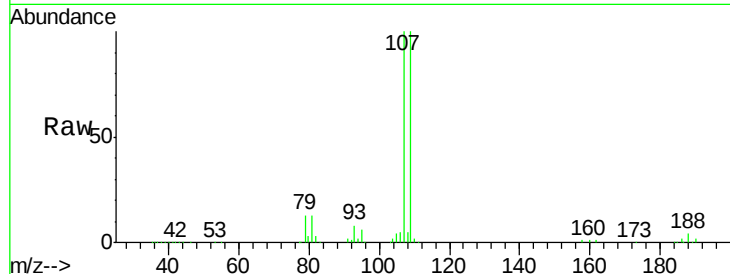




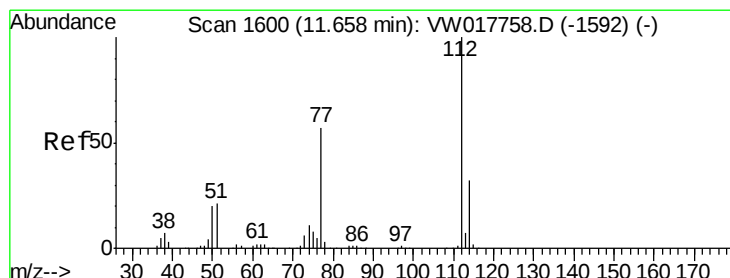
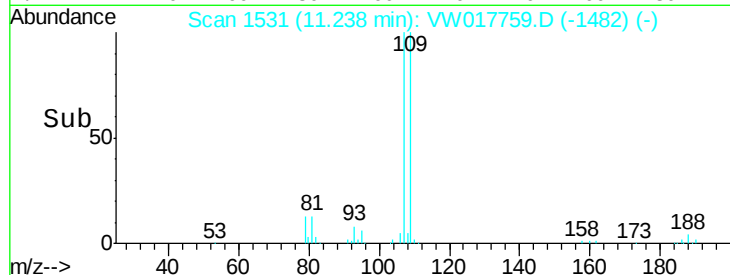
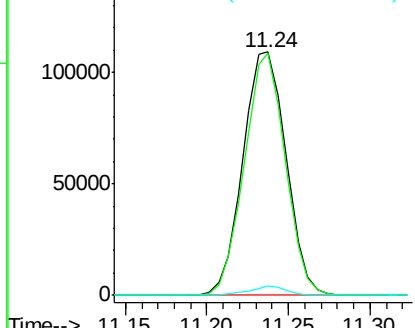
#50
1,2-Dibromoethane
Concen: 53.422 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.7	69.3	128.7
188	4.0	2.7	4.1

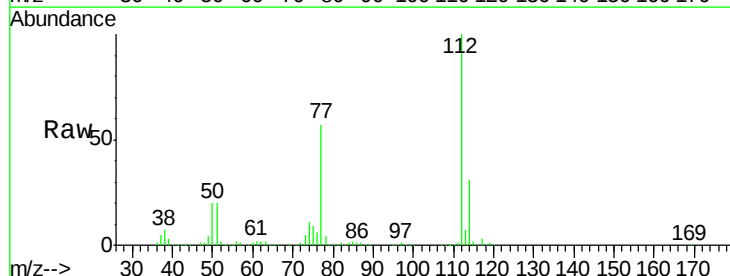


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

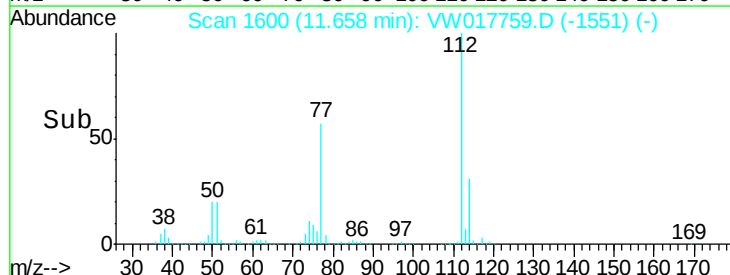
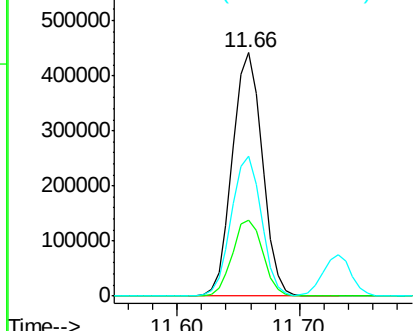


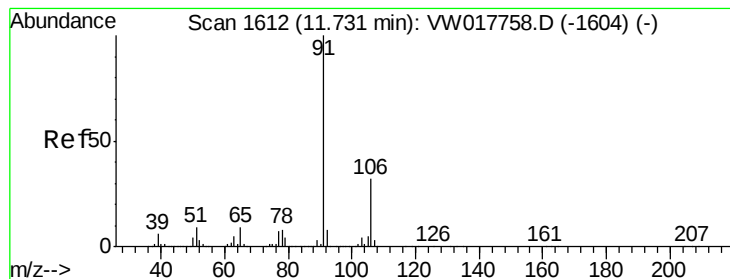
#51
Chlorobenzene
Concen: 52.438 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.3	41.3
77	57.3	45.8	68.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 55.020 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

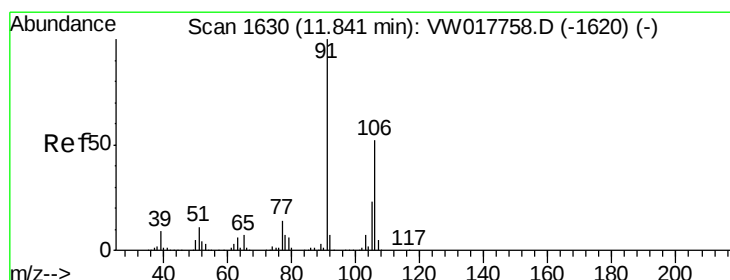
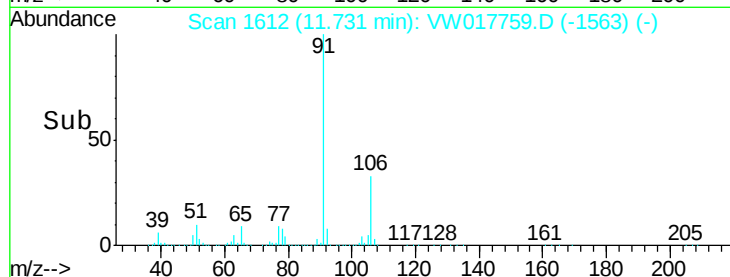
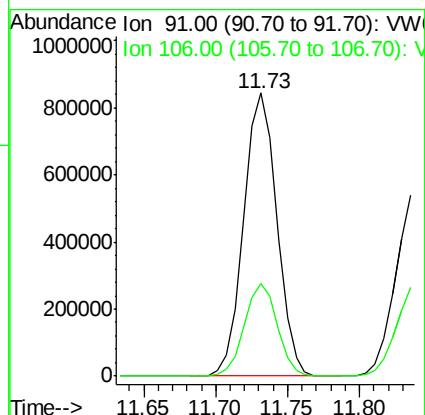
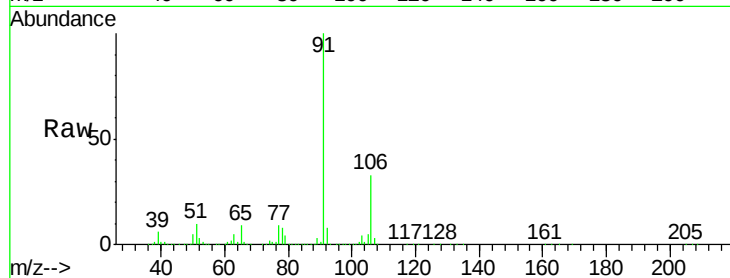
VSTD050105

Tgt Ion: 91 Resp: 1346438

Ion Ratio Lower Upper

91 100

106 32.8 22.7 42.1



#53

m,p-Xylene

Concen: 56.538 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017759.D

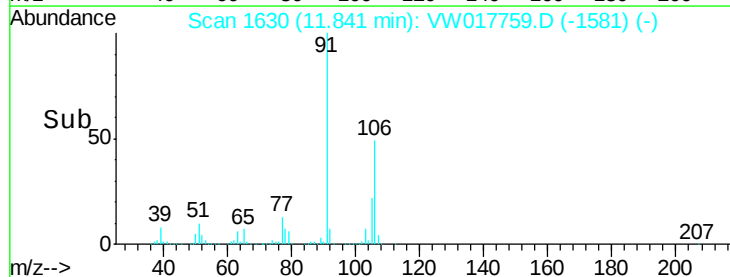
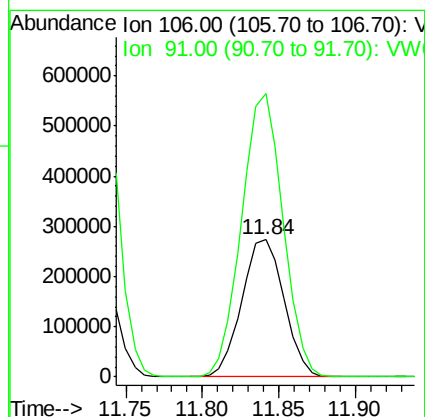
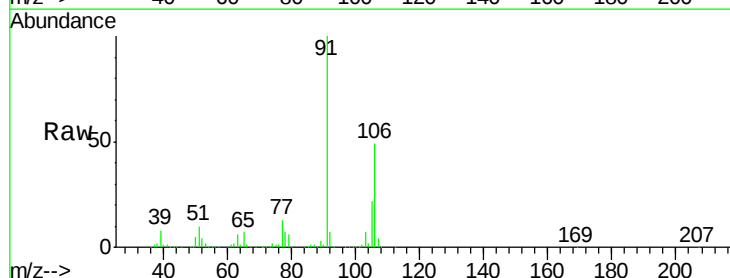
Acq: 28 Dec 2020 12:12

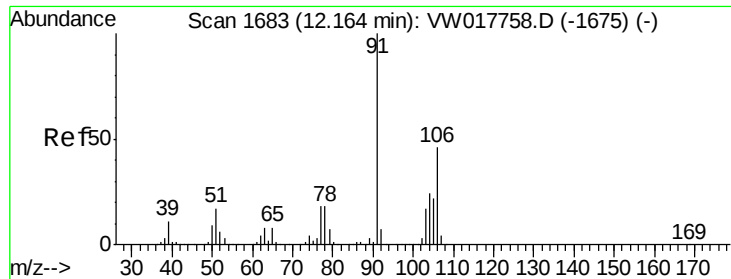
Tgt Ion: 106 Resp: 527682

Ion Ratio Lower Upper

106 100

91 206.1 135.6 251.8

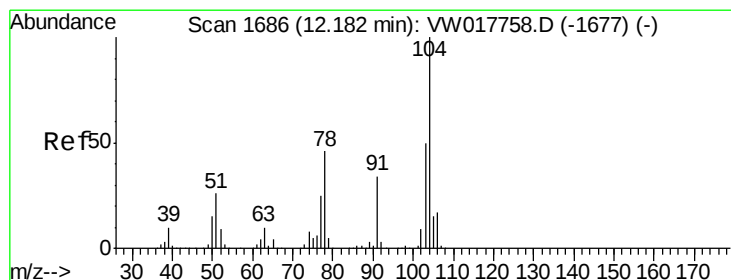
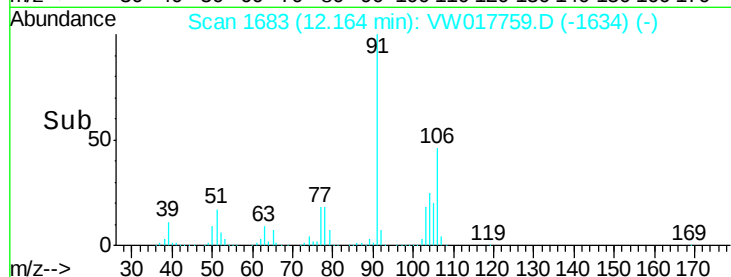
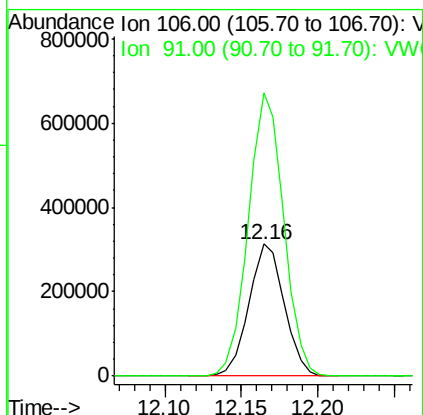
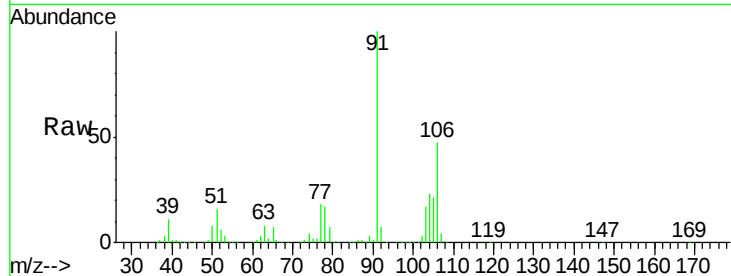




#54
o-Xylene
Concen: 57.137 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

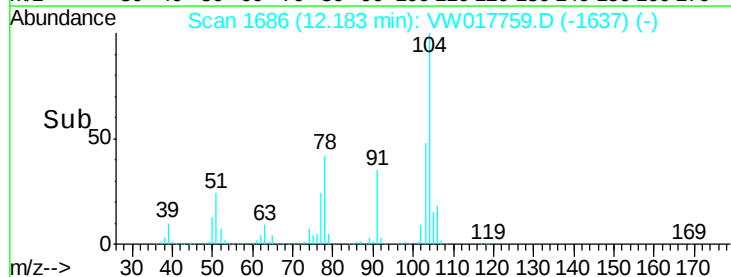
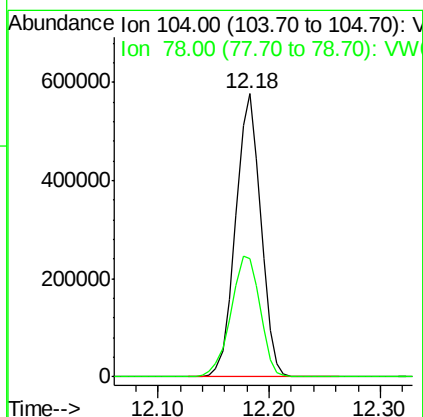
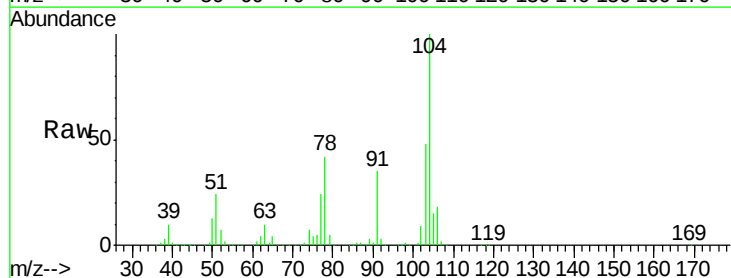
Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

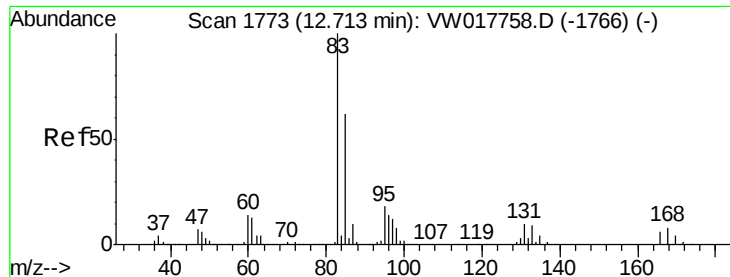
Tgt Ion:106 Resp: 505005
Ion Ratio Lower Upper
106 100
91 214.8 152.2 282.6



#55
Styrene
Concen: 59.790 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion:104 Resp: 902643
Ion Ratio Lower Upper
104 100
78 41.7 31.9 59.3

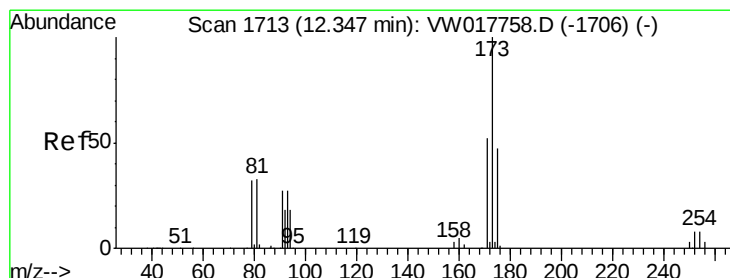
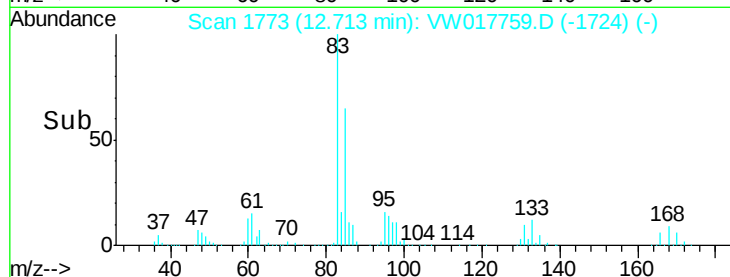
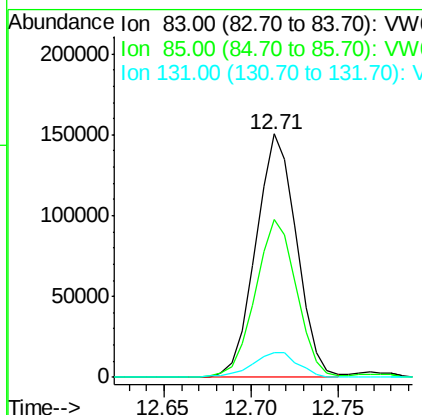
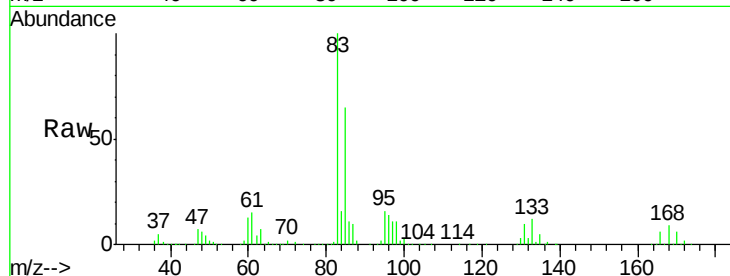




#57
 1,1,2,2-Tetrachloroethane
 Concen: 54.081 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

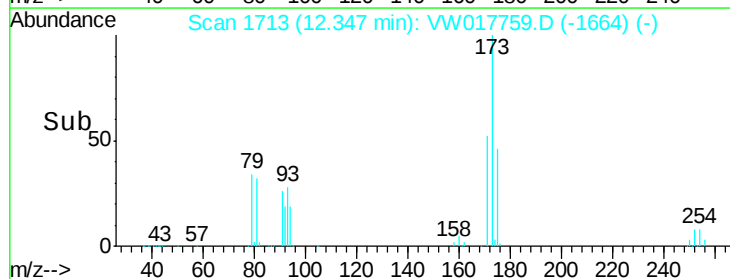
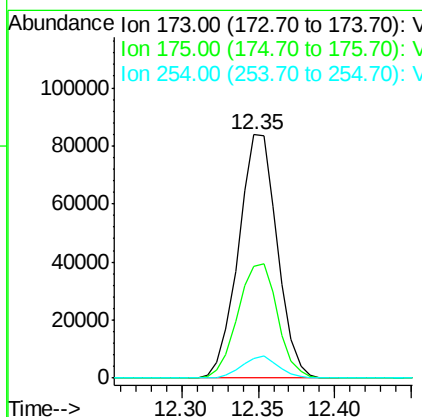
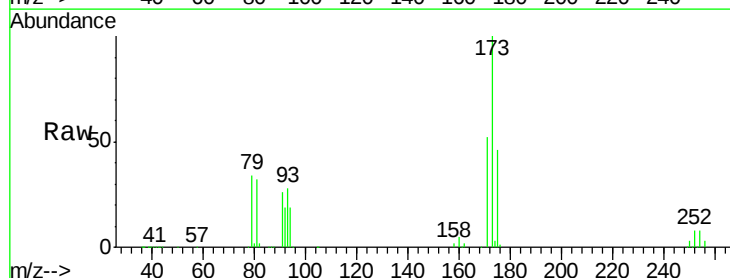
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

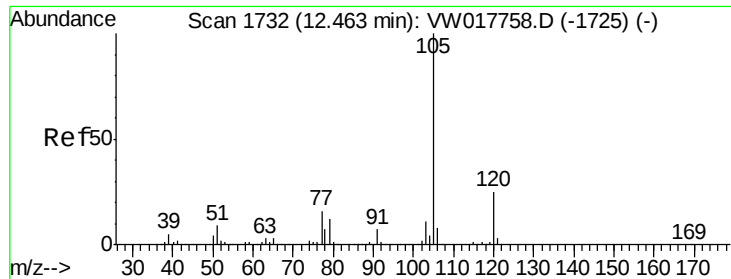
Tgt Ion: 83 Resp: 245474
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.5 80.7
 131 10.3 8.2 12.2



#59
 Bromoform
 Concen: 49.115 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Tgt Ion: 173 Resp: 147414
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.0 57.0
 254 8.3 4.8 7.2#





#60

Isopropylbenzene

Concen: 53.883 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

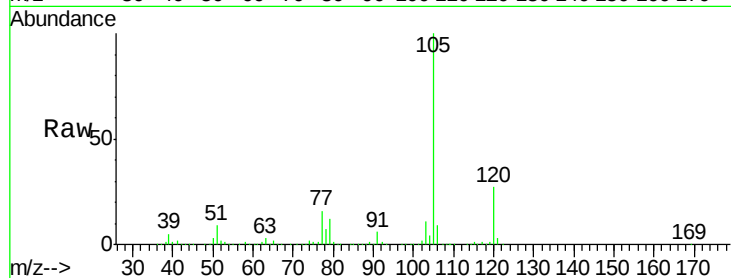
Tgt Ion: 105 Resp: 1412516

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

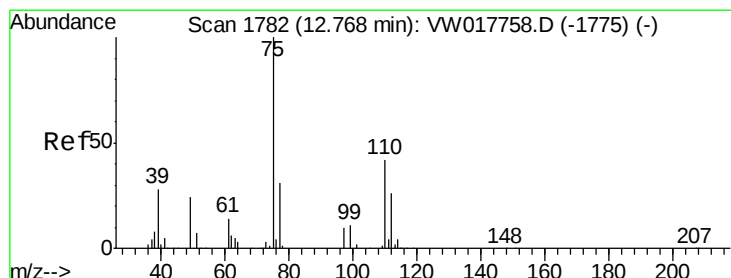
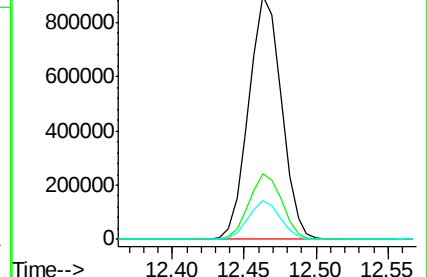
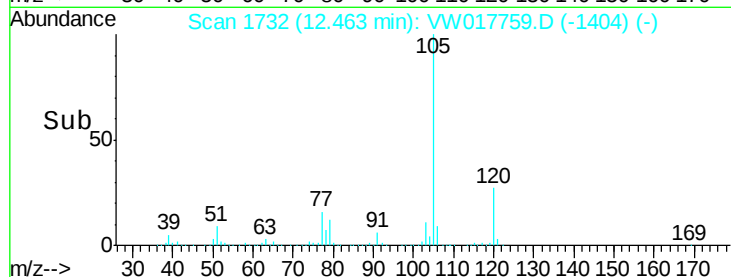
77 15.5 12.9 19.3



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: 49.476 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

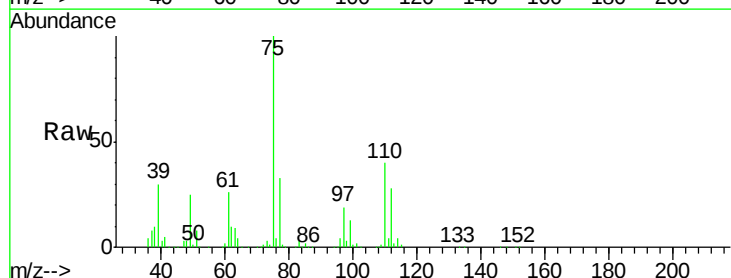
Tgt Ion: 75 Resp: 181631

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

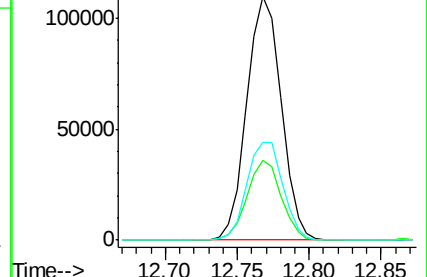
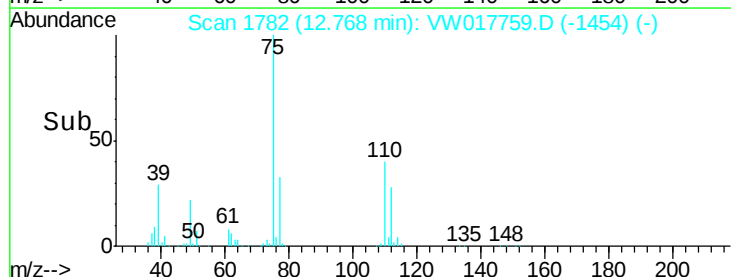
110 42.0 33.0 49.6

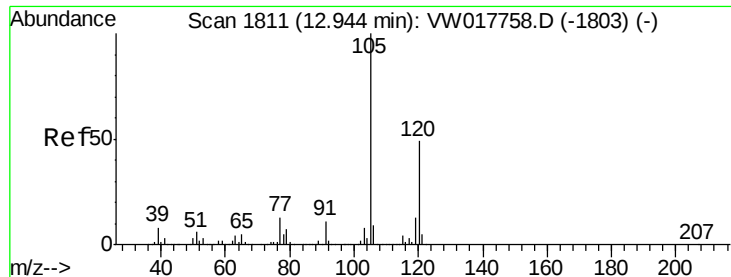


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

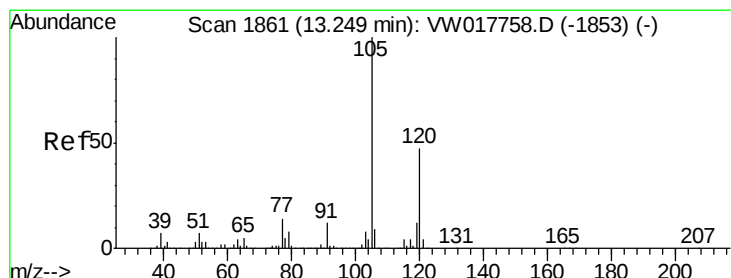
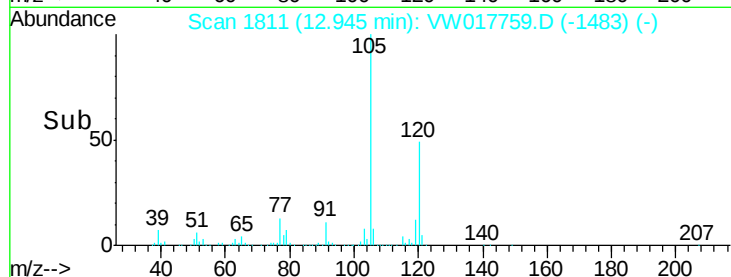
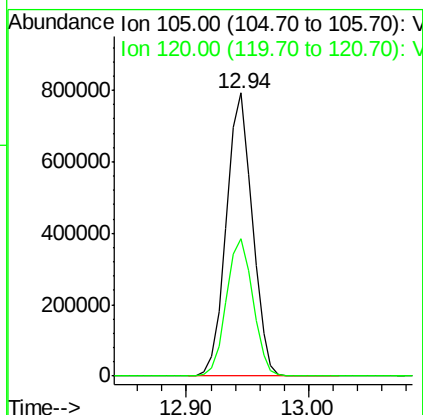
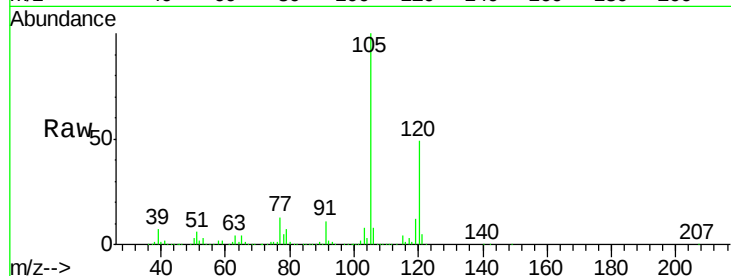




#62
 1,3,5-Trimethylbenzene
 Concen: 54.535 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

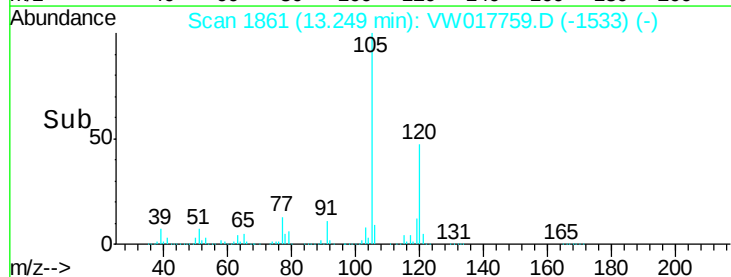
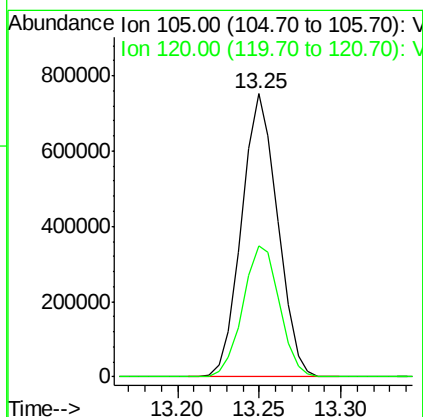
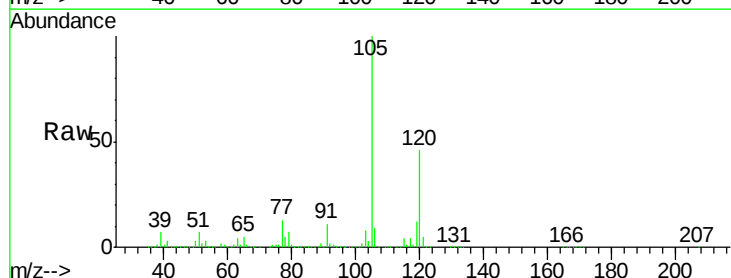
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

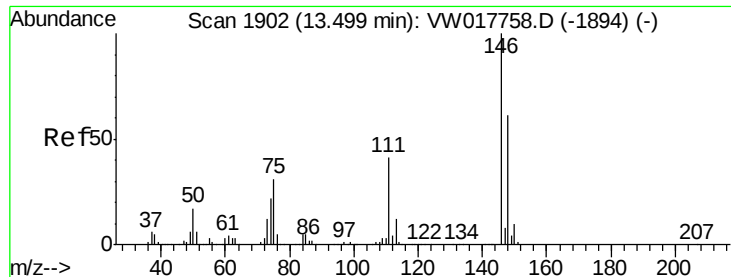
Tgt Ion:105 Resp: 1166007
 Ion Ratio Lower Upper
 105 100
 120 49.6 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 54.770 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Tgt Ion:105 Resp: 1158702
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 48.914 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

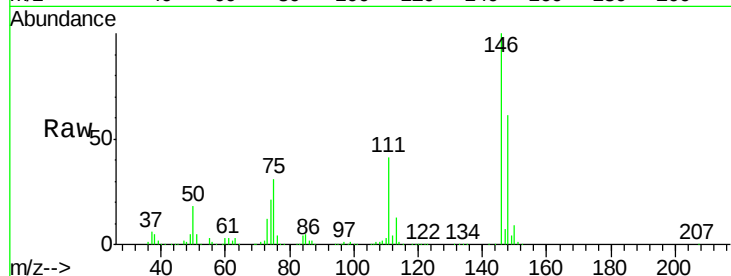
Tgt Ion:146 Resp: 601058

Ion Ratio Lower Upper

146 100

111 40.6 28.8 53.6

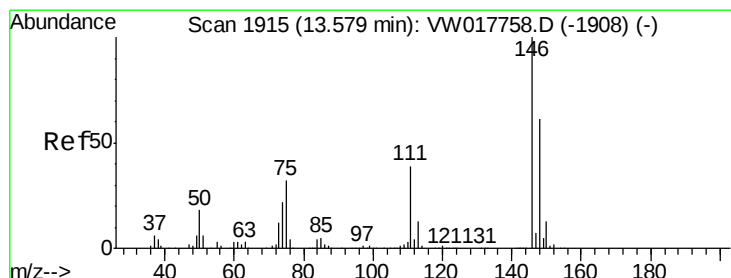
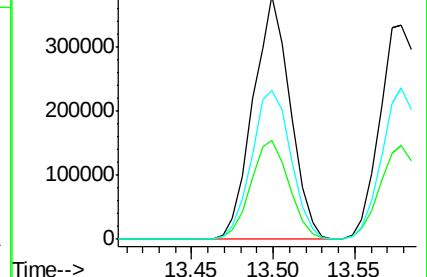
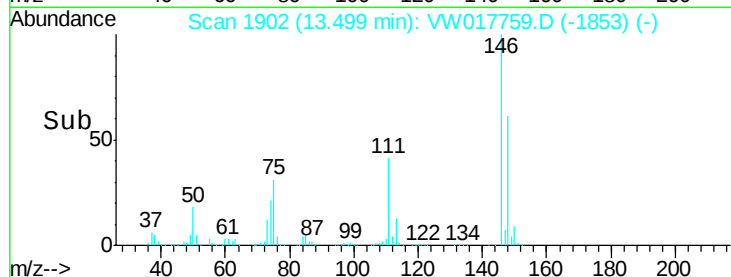
148 61.4 43.0 80.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 47.066 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017759.D

Acq: 28 Dec 2020 12:12

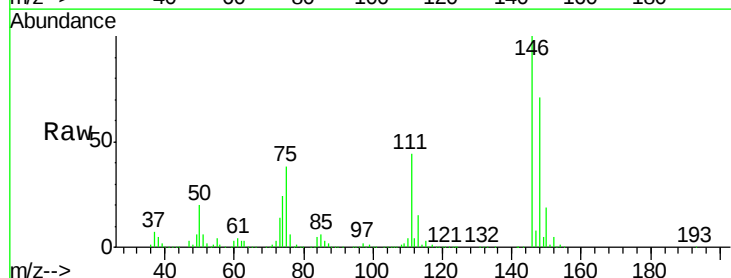
Tgt Ion:146 Resp: 586564

Ion Ratio Lower Upper

146 100

111 43.7 27.6 51.2

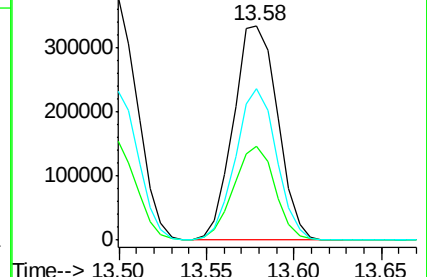
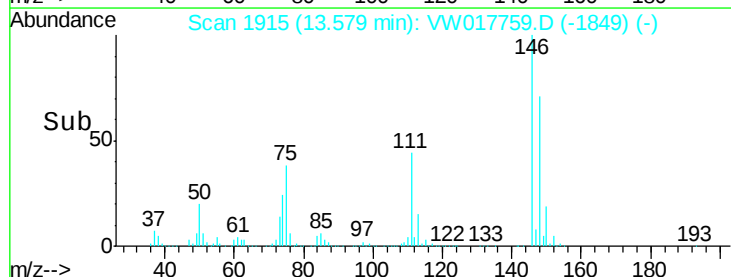
148 70.6 42.4 78.6

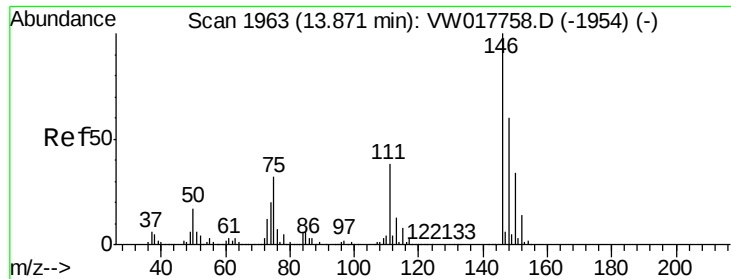


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

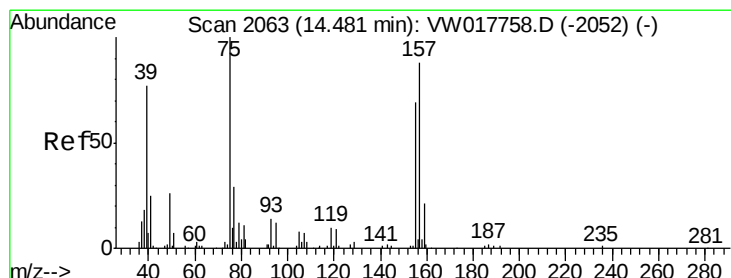
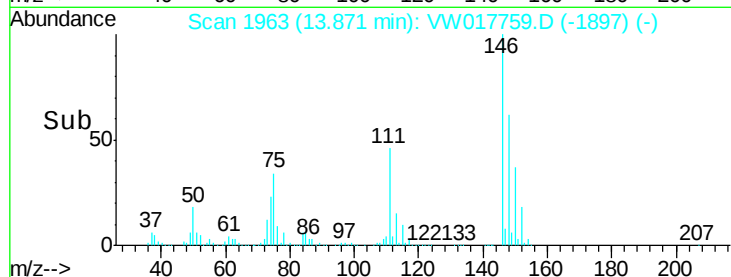
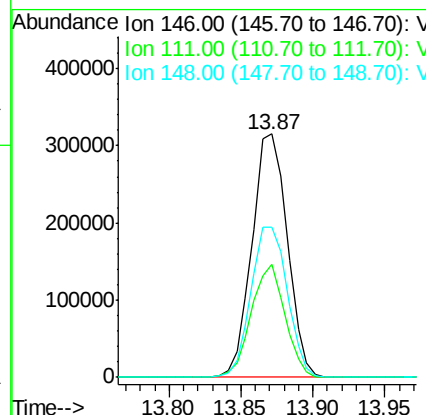
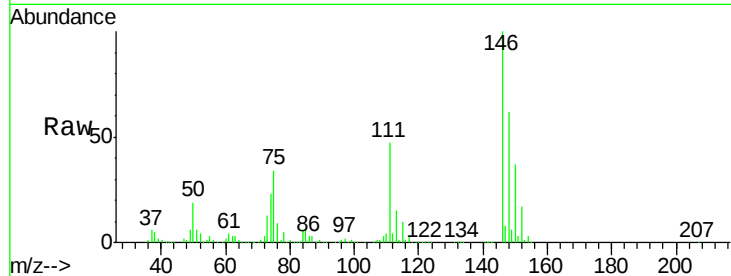




#67
 1,2-Dichlorobenzene
 Concen: 47.834 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

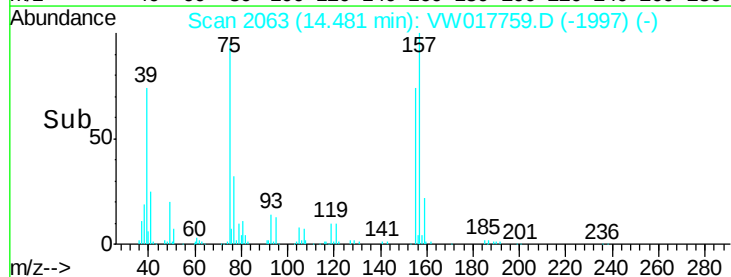
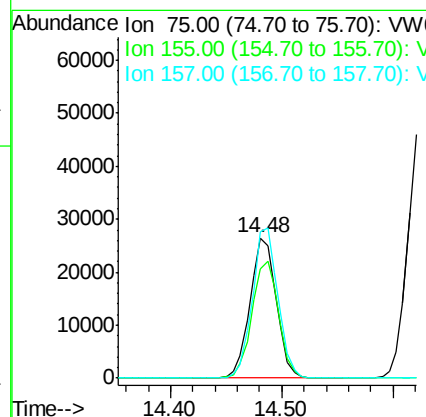
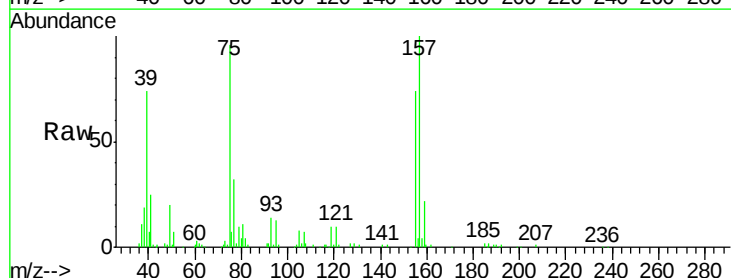
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

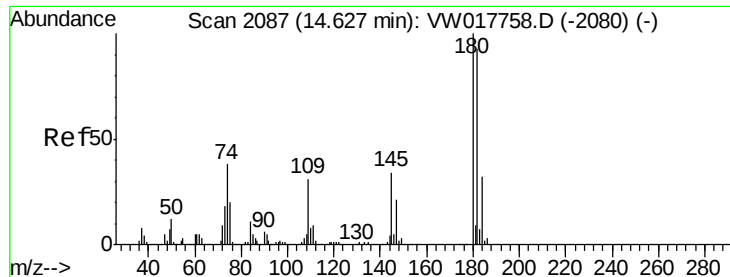
Tgt Ion: 146 Resp: 534697
 Ion Ratio Lower Upper
 146 100
 111 46.6 30.6 45.8#
 148 61.9 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 52.018 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Tgt Ion: 75 Resp: 43634
 Ion Ratio Lower Upper
 75 100
 155 77.6 54.9 82.3
 157 104.4 70.4 105.6

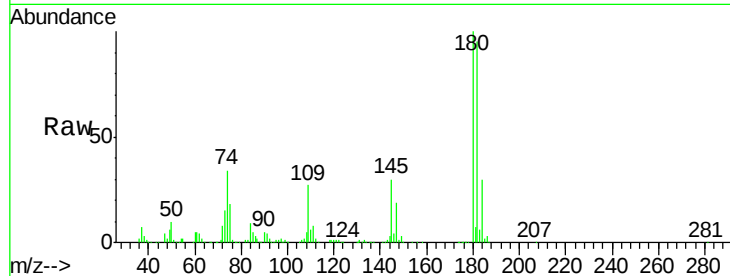




#69
 1,3,5-Trichlorobenzene
 Concen: 46.701 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
184	30.4	24.2	36.4
145	31.4	25.6	38.4



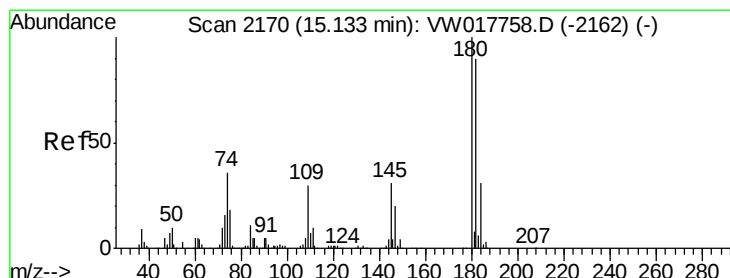
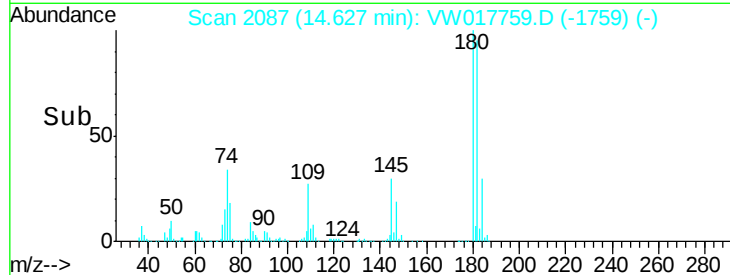
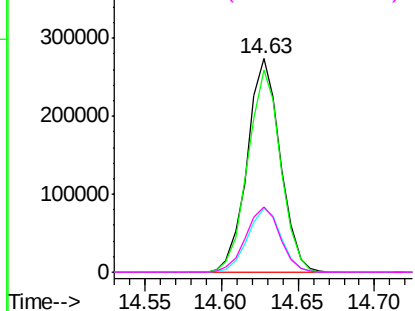
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

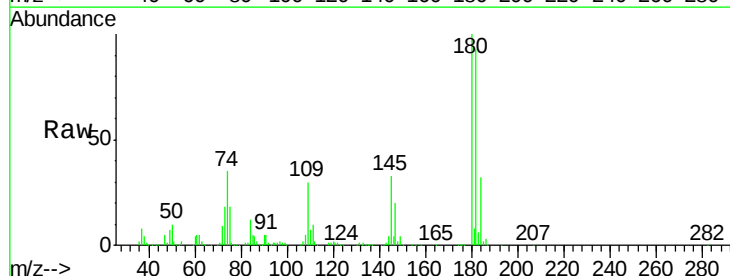
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 45.782 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017759.D
 Acq: 28 Dec 2020 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	72.3	108.5
145	32.6	25.6	38.4

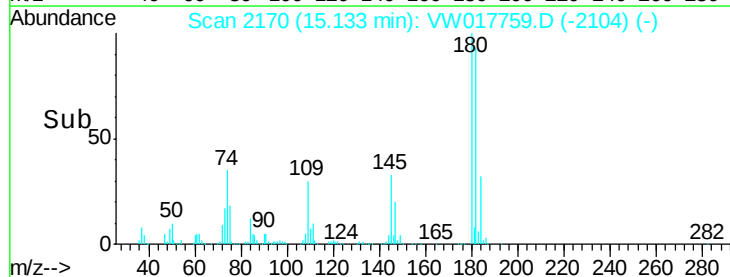
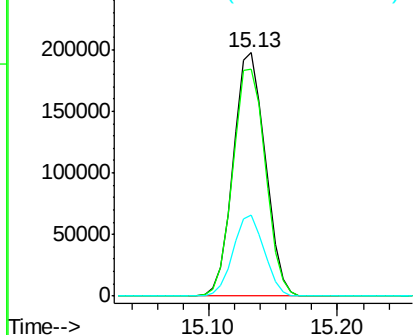


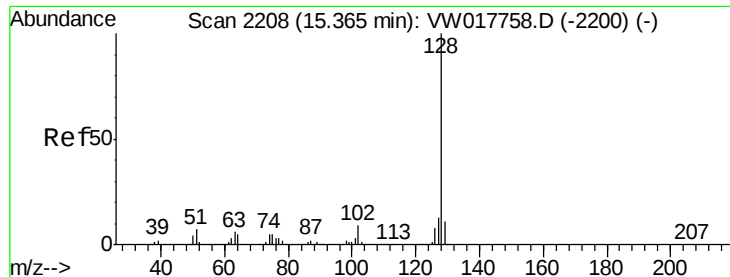
Abundance

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

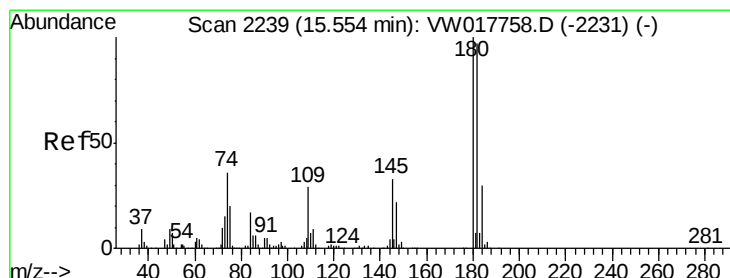
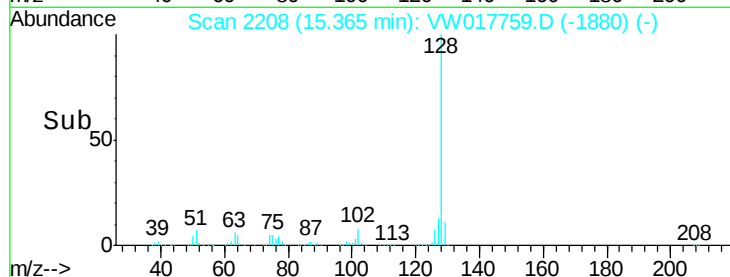
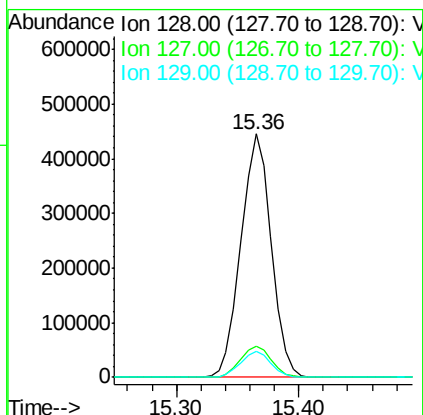
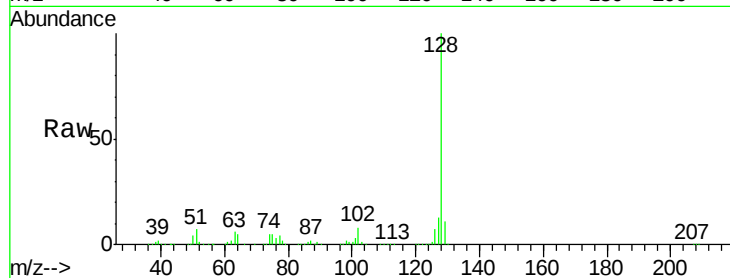




#71
Naphthalene
Concen: 58.595 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

Tgt Ion:128 Resp: 767651
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.911 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017759.D
Acq: 28 Dec 2020 12:12

Tgt Ion:180 Resp: 309822
Ion Ratio Lower Upper
180 100
182 92.1 74.5 111.7
145 33.6 27.1 40.7

