

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
 Data File : VW017756.D
 Acq On : 28 Dec 2020 11:01
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

Quant Time: Dec 28 13:40:45 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	8.85	114	403377	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	358830	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	184396	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	18845	3.51	ug/L	0.00
7) Chloroethane-d5	2.90	69	15390	3.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	32028	2.95	ug/L	0.00
21) 2-Butanone-d5	7.09	46	6411	4.85	ug/L	0.02
24) Chloroform-d	7.65	84	30367	2.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	16595	2.82	ug/L	0.00
32) Benzene-d6	8.28	84	57196	2.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	16596	2.88	ug/L	0.00
41) Toluene-d8	10.32	98	54160	2.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	7557	2.81	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	4928	5.90	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	13671	2.88	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	16213	2.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.03	85	13300	3.891 ug/L	97
3) Chloromethane	2.22	50	11958	3.493 ug/L	95
5) Vinyl chloride	2.37	62	18661	3.627 ug/L	99
6) Bromomethane	2.78	94	17500	4.858 ug/L	93
8) Chloroethane	2.93	64	12273	3.756 ug/L	95
9) Trichlorofluoromethane	3.27	101	11614	2.467 ug/L #	64
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	13792	2.572 ug/L	97
12) 1,1-Dichloroethene	4.06	96	12664	2.477 ug/L	86
13) Acetone	4.15	43	5299	5.074 ug/L	96
14) Carbon disulfide	4.39	76	40537	2.780 ug/L	98
15) Methyl Acetate	4.68	43	3400	1.589 ug/L #	80
16) Methylene chloride	4.92	84	21646	3.640 ug/L	98
17) trans-1,2-Dichloroethene	5.43	96	14808	2.761 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	19548	3.083 ug/L #	91
19) 1,1-Dichloroethane	6.23	63	25823	2.781 ug/L	95
20) cis-1,2-Dichloroethene	7.17	96	15900	2.778 ug/L	94
22) 2-Butanone	7.18	43	7811	4.958 ug/L	94
23) Bromochloromethane	7.52	128	6907	2.602 ug/L	96
25) Chloroform	7.68	83	26852	2.713 ug/L	97
27) 1,2-Dichloroethane	8.40	62	18310	2.853 ug/L	97
29) Cyclohexane	7.96	56	23748	3.071 ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	22201	2.764 ug/L	98
31) Carbon tetrachloride	8.07	117	20793	2.673 ug/L	99
33) Benzene	8.33	78	57818	2.868 ug/L	100
34) Trichloroethene	9.09	95	15196	2.735 ug/L	94
35) Methylcyclohexane	9.34	83	25504	2.815 ug/L	98
37) 1,2-Dichloropropane	9.37	63	13568	2.765 ug/L	98
38) Bromodichloromethane	9.65	83	18872	2.743 ug/L	90
39) cis-1,3-Dichloropropene	10.07	75	20438	2.612 ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	15905	5.689 ug/L	98

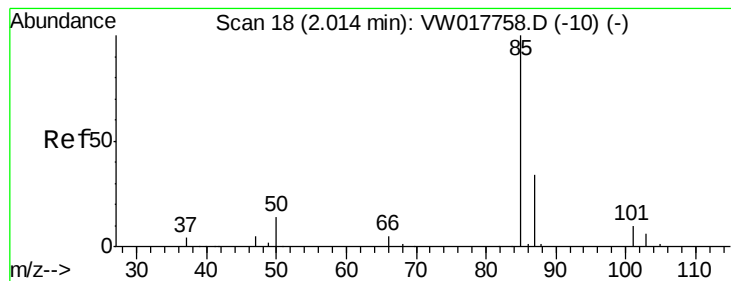
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	62984	2.877	ug/L	96
44) trans-1,3-Dichloropropene	10.61	75	18321	2.611	ug/L	95
45) 1,1,2-Trichloroethane	10.79	97	10724	2.755	ug/L	99
46) Tetrachloroethene	10.87	164	11079	2.425	ug/L	86
48) 2-Hexanone	10.97	43	11221	5.915	ug/L	89
49) Dibromochloromethane	11.13	129	11850	2.470	ug/L	92
50) 1,2-Dibromoethane	11.24	107	9997	2.627	ug/L #	89
51) Chlorobenzene	11.66	112	39429	2.738	ug/L	92
52) Ethylbenzene	11.73	91	69166	2.800	ug/L	95
53) m,p-Xylene	11.84	106	25882	2.747	ug/L	91
54) o-Xylene	12.16	106	24548	2.751	ug/L	99
55) Styrene	12.18	104	39951	2.622	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.72	83	12627	2.756	ug/L	95
59) Bromoform	12.35	173	5681	2.000	ug/L #	85
60) Isopropylbenzene	12.46	105	66977	2.700	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	9765	2.811	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	54160	2.677	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	55471	2.771	ug/L	95
64) 1,3-Dichlorobenzene	13.50	146	29801	2.563	ug/L	92
65) 1,4-Dichlorobenzene	13.58	146	28874	2.448	ug/L	88
67) 1,2-Dichlorobenzene	13.87	146	28279	2.674	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.48	75	2174	2.739	ug/L	98
69) 1,3,5-Trichlorobenzene	14.63	180	20818	2.501	ug/L	97
70) 1,2,4-trichlorobenzene	15.13	180	17901	2.541	ug/L	98
71) Naphthalene	15.36	128	36662	2.957	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	16219	2.651	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.891 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

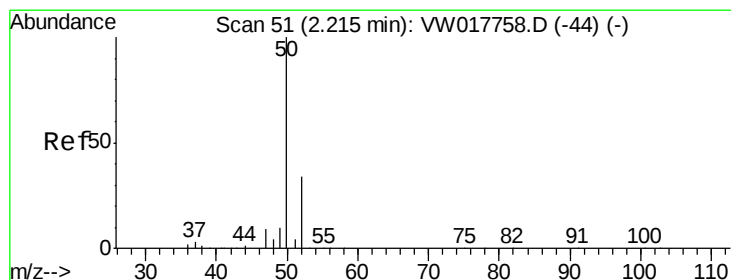
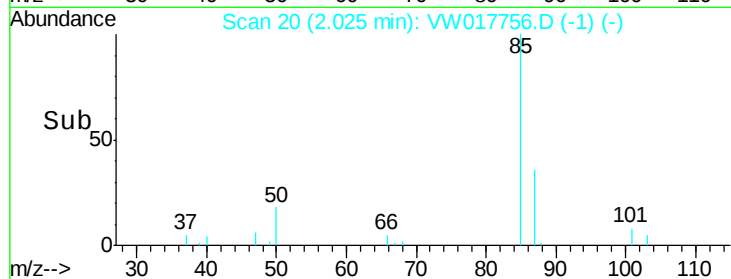
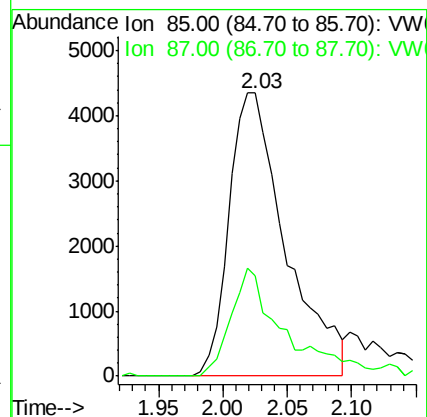
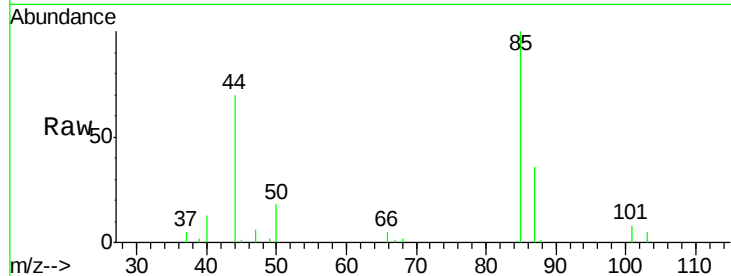
VSTD2.5102

Tgt Ion: 85 Resp: 13300

Ion Ratio Lower Upper

85 100

87 28.0 23.8 35.6



#3

Chloromethane

Concen: 3.493 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017756.D

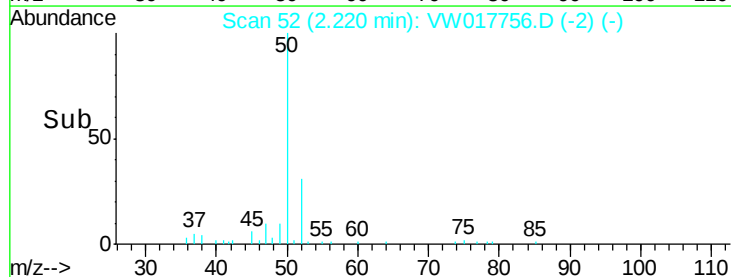
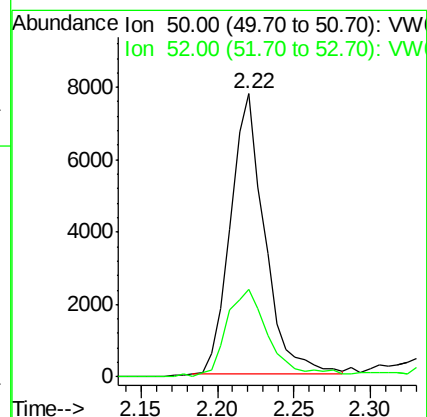
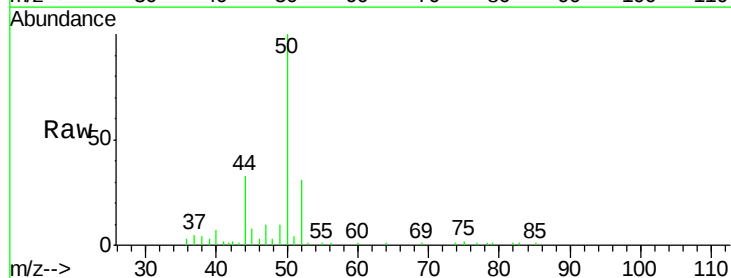
Acq: 28 Dec 2020 11:01

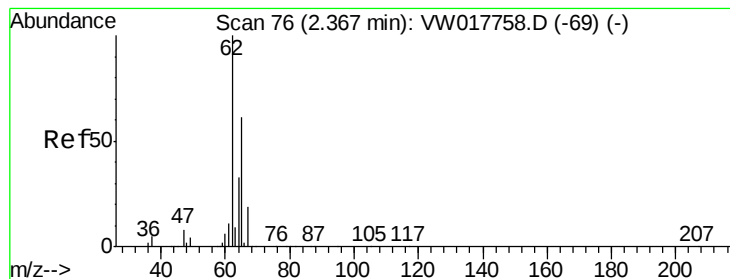
Tgt Ion: 50 Resp: 11958

Ion Ratio Lower Upper

50 100

52 30.8 23.6 43.8





#5

Vinyl chloride

Concen: 3.627 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampled :

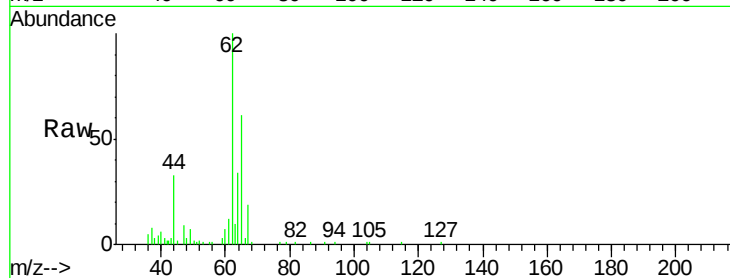
VSTD2.5102

Tgt Ion: 62 Resp: 18661

Ion Ratio Lower Upper

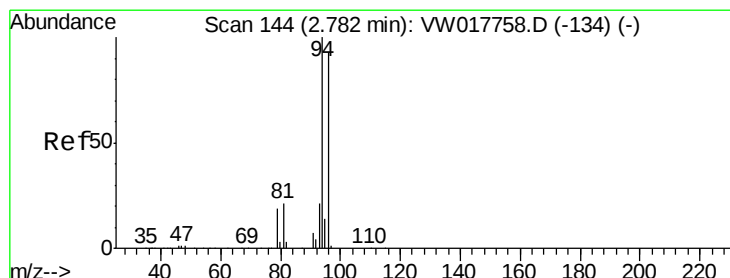
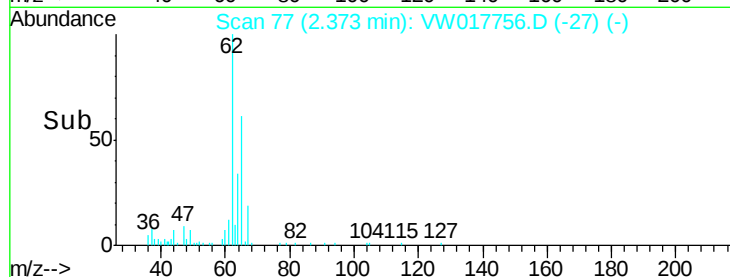
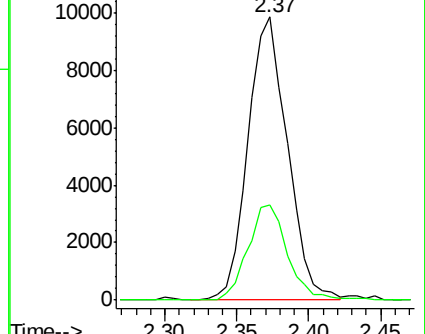
62 100

64 33.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 4.858 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017756.D

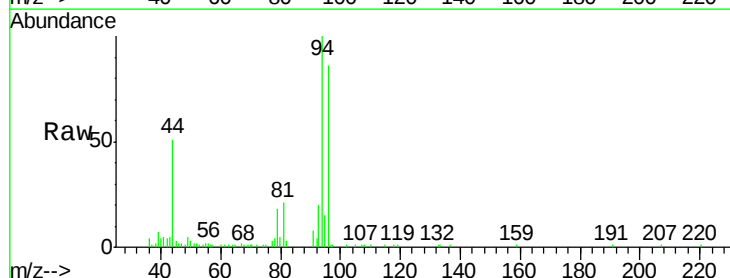
Acq: 28 Dec 2020 11:01

Tgt Ion: 94 Resp: 17500

Ion Ratio Lower Upper

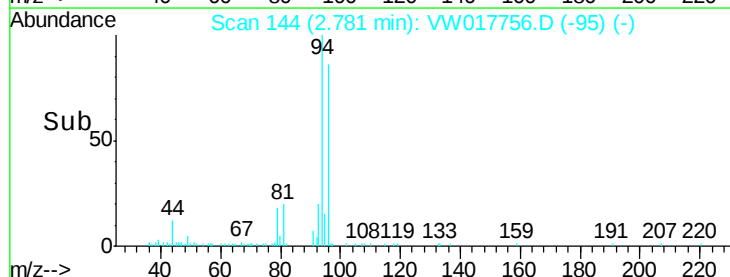
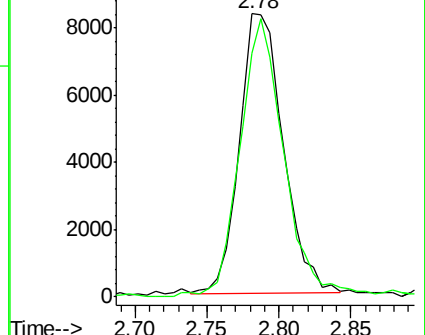
94 100

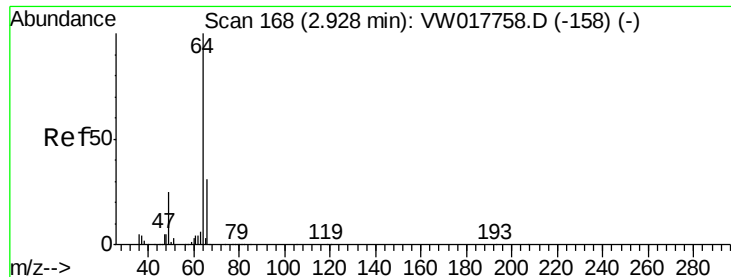
96 85.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 3.756 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

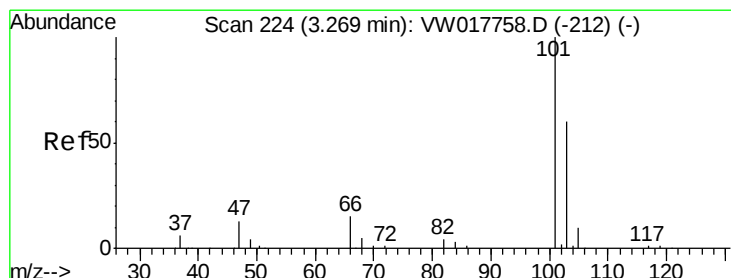
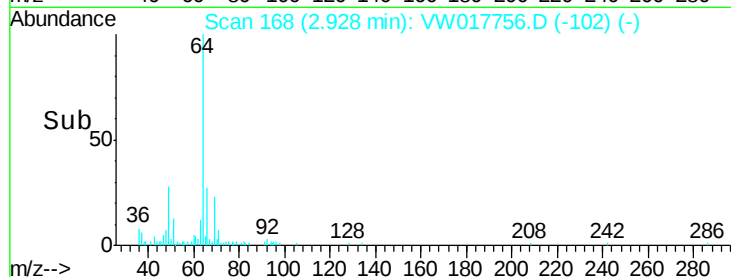
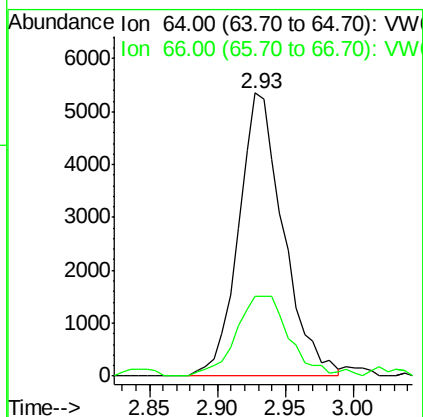
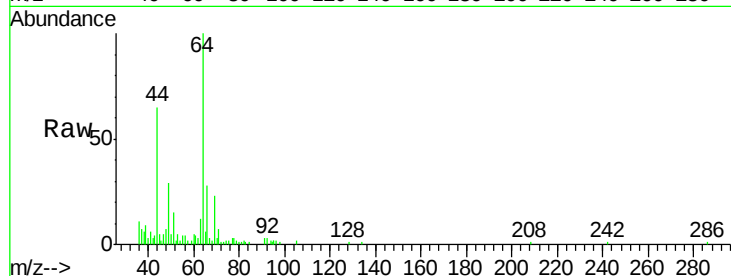
VSTD2.5102

Tgt Ion: 64 Resp: 12273

Ion Ratio Lower Upper

64 100

66 28.3 21.7 40.3



#9

Trichlorofluoromethane

Concen: 2.467 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017756.D

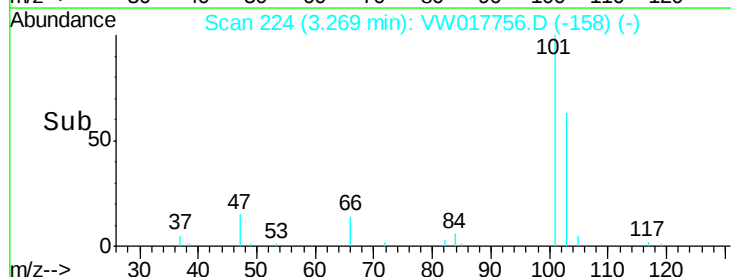
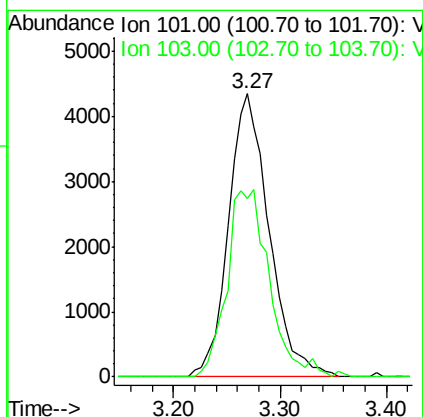
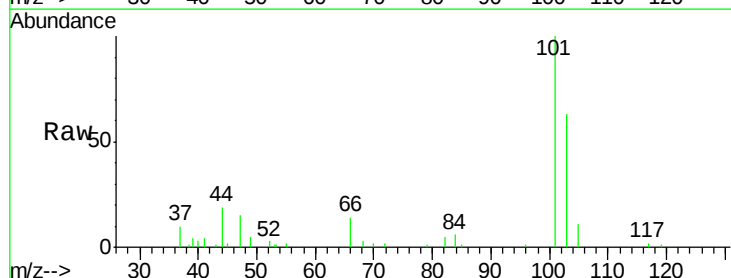
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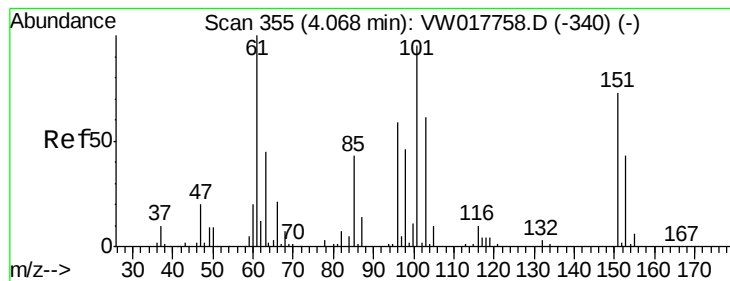
Tgt Ion: 101 Resp: 11614

Ion Ratio Lower Upper

101 100

103 36.6 51.8 77.8#





#10

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

Concen: 2.572 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

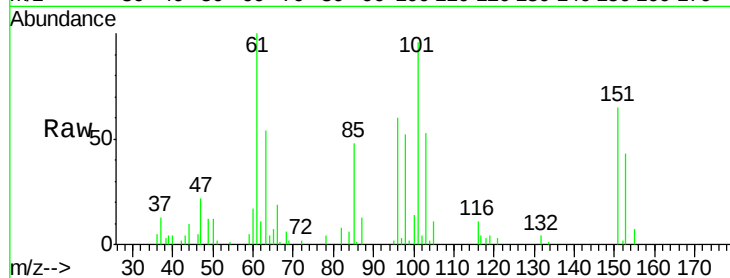
Tgt Ion:101 Resp: 13792

Ion Ratio Lower Upper

101 100

85 48.5 37.9 56.9

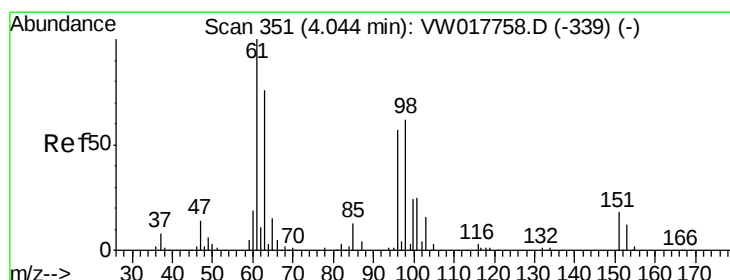
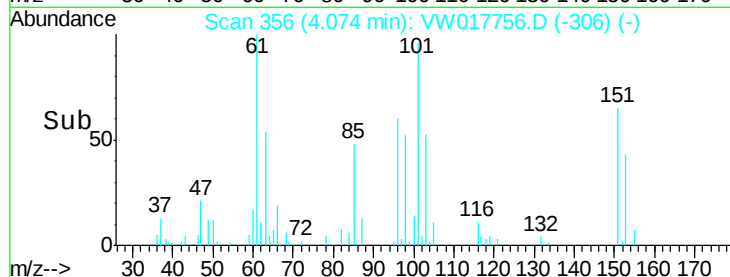
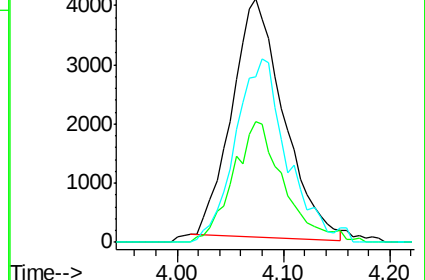
151 75.5 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.477 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

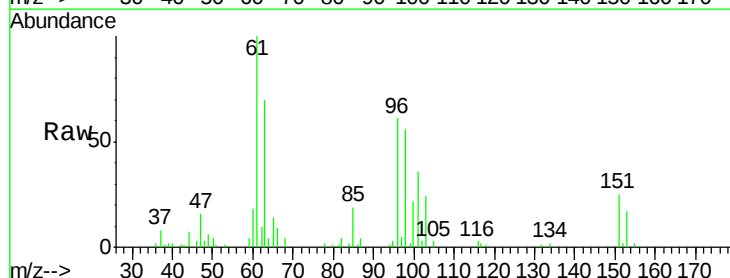
Tgt Ion: 96 Resp: 12664

Ion Ratio Lower Upper

96 100

61 163.9 123.7 229.7

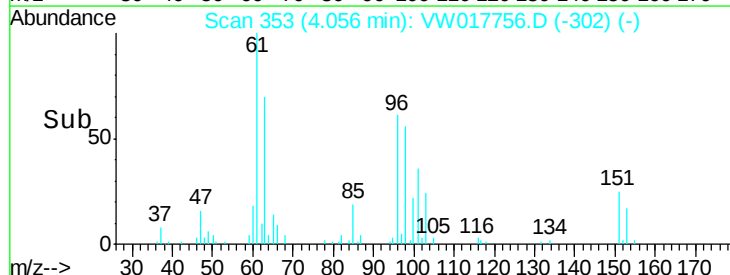
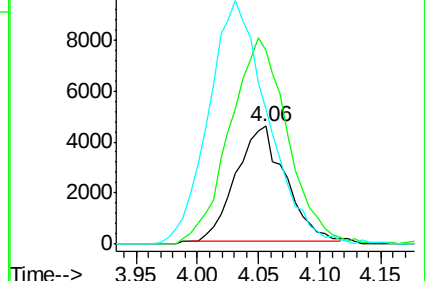
63 114.2 96.6 179.4

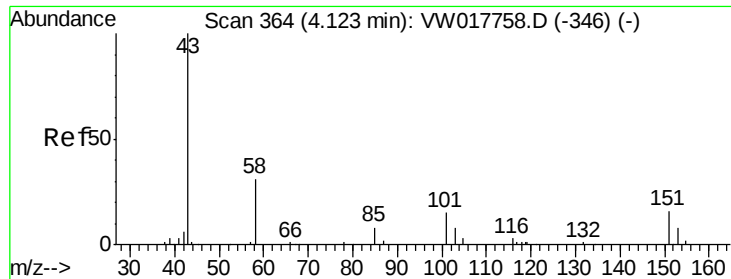


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.074 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

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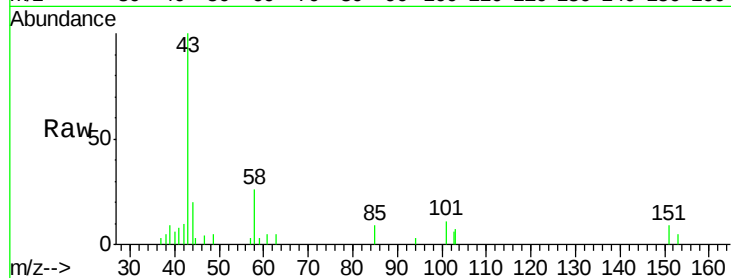
VSTD2.5102

Tgt Ion: 43 Resp: 5299

Ion Ratio Lower Upper

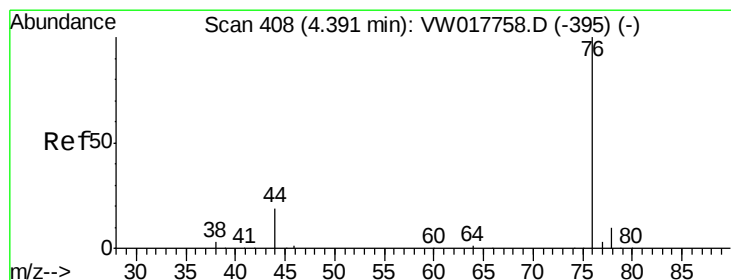
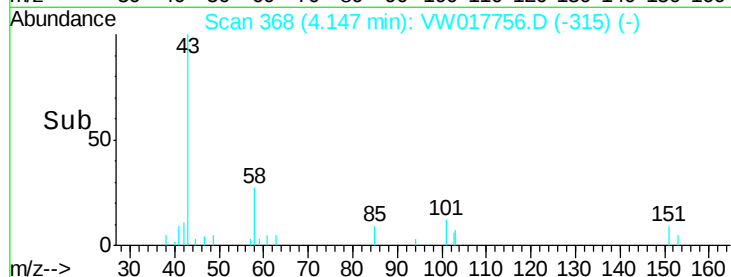
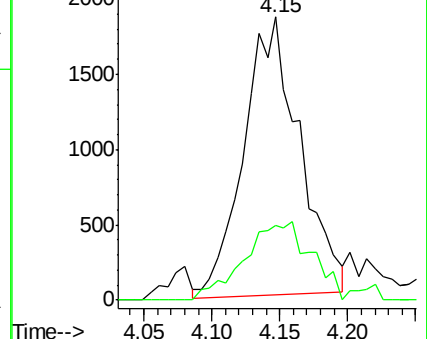
43 100

58 26.8 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.780 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017756.D

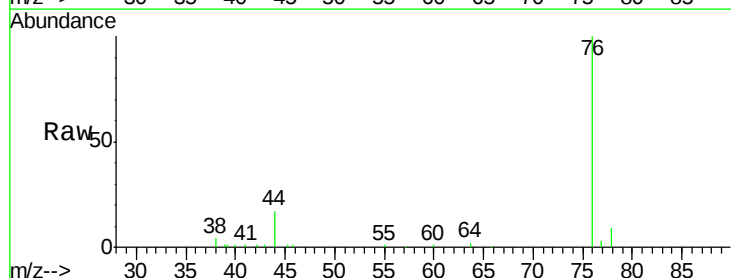
Acq: 28 Dec 2020 11:01

Tgt Ion: 76 Resp: 40537

Ion Ratio Lower Upper

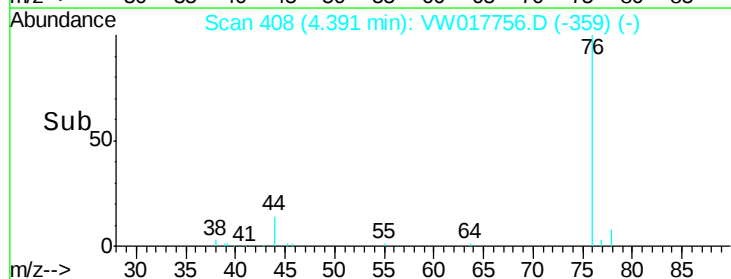
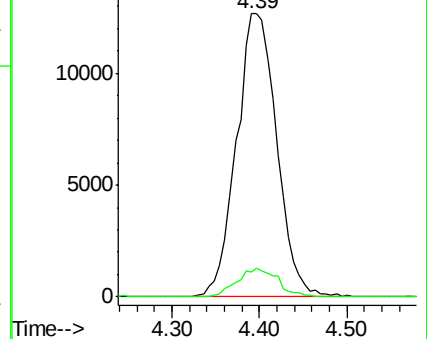
76 100

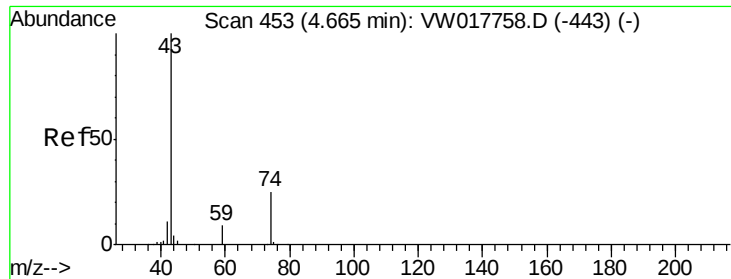
78 8.8 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

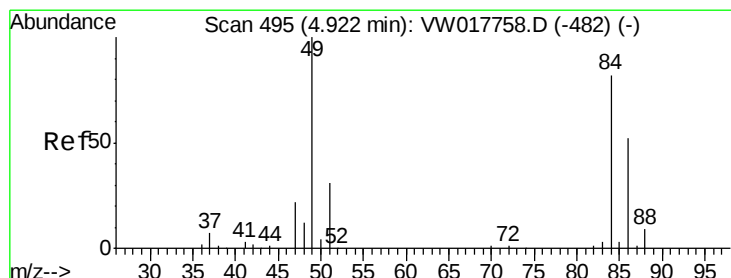
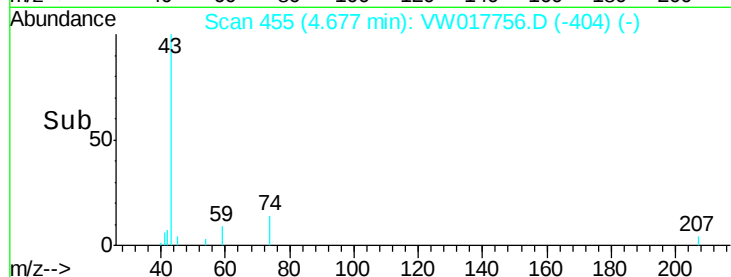
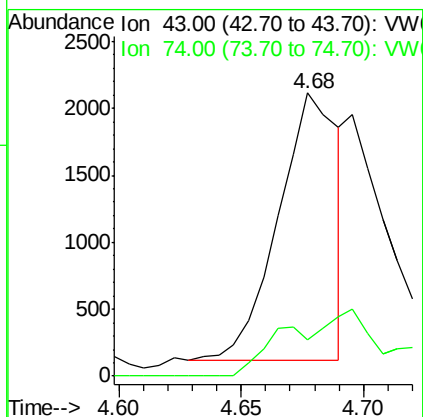
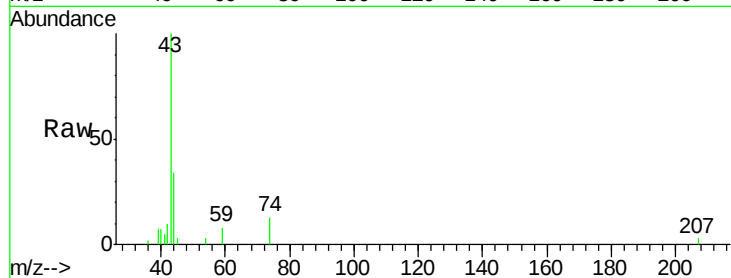




#15
Methyl Acetate
Concen: 1.589 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

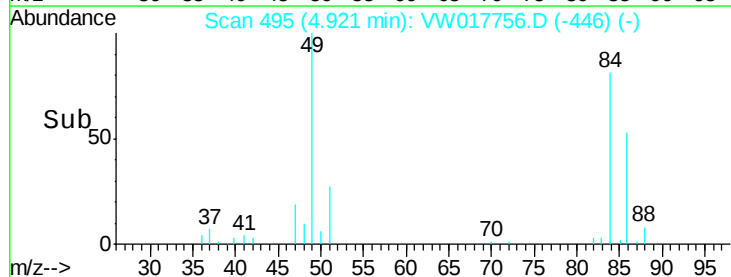
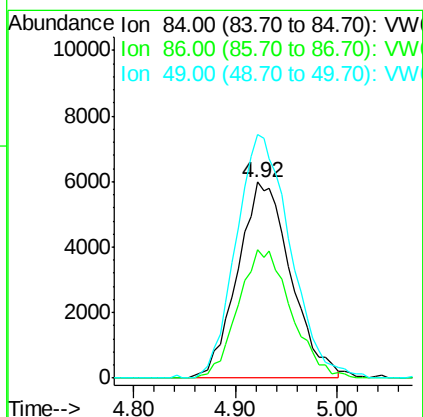
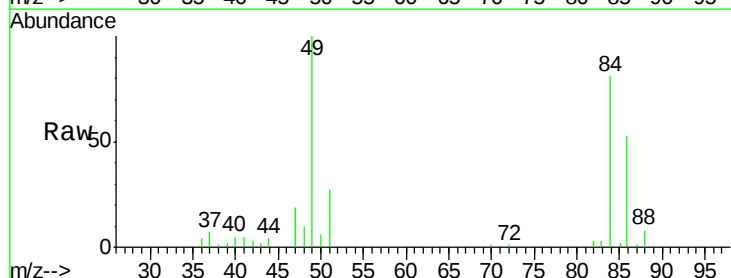
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

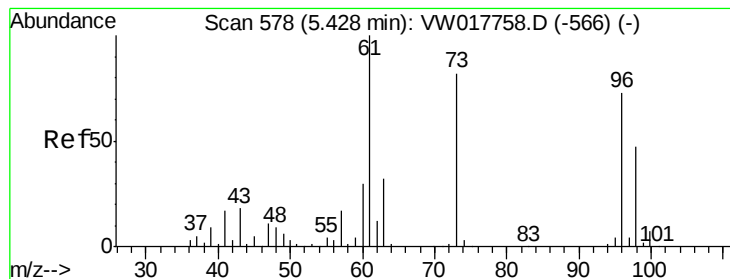
Tgt Ion: 43 Resp: 3400
Ion Ratio Lower Upper
43 100
74 14.1 19.3 28.9#



#16
Methylene chloride
Concen: 3.640 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion: 84 Resp: 21646
Ion Ratio Lower Upper
84 100
86 65.6 44.0 81.8
49 124.1 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 2.761 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

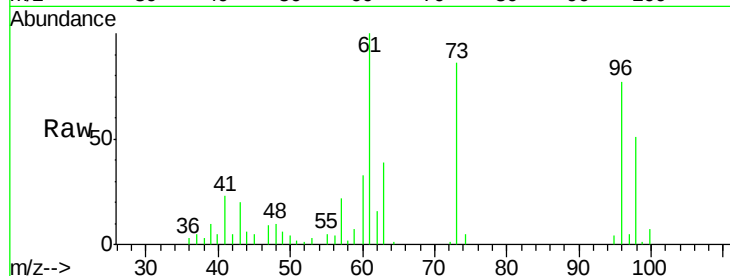
Tgt Ion: 96 Resp: 14808

Ion Ratio Lower Upper

96 100

61 130.5 96.0 178.4

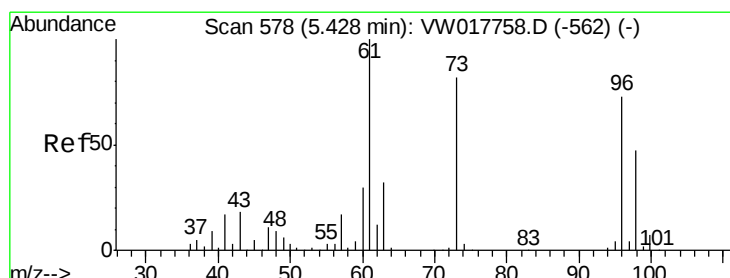
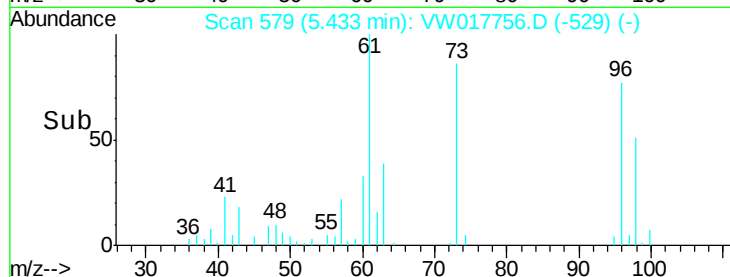
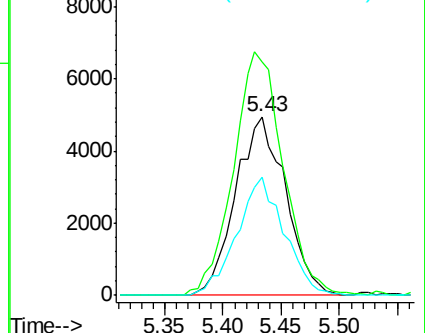
98 66.1 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#18

Methyl tert-butyl Ether

Concen: 3.083 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

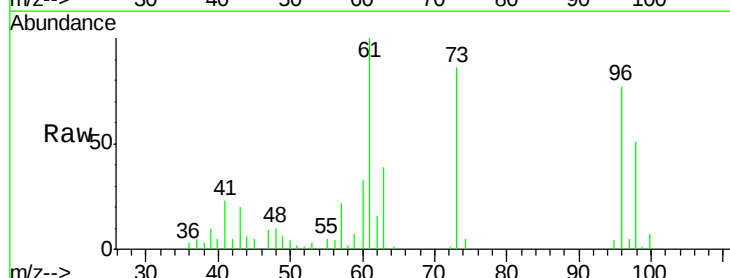
Tgt Ion: 73 Resp: 19548

Ion Ratio Lower Upper

73 100

43 21.4 17.4 26.0

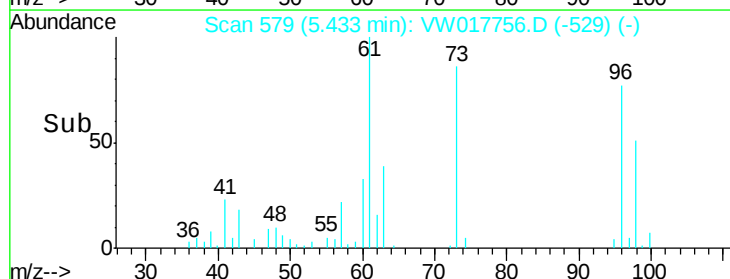
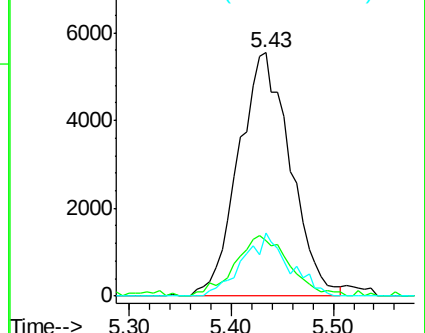
57 13.3 16.9 25.3#

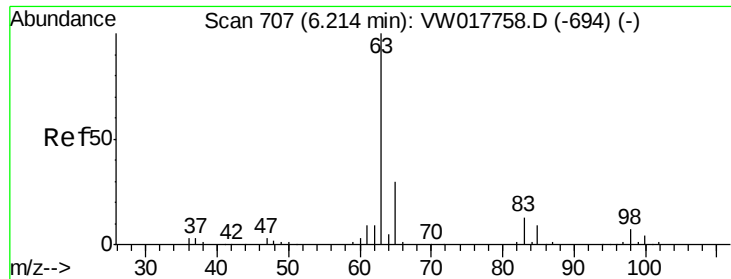


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW

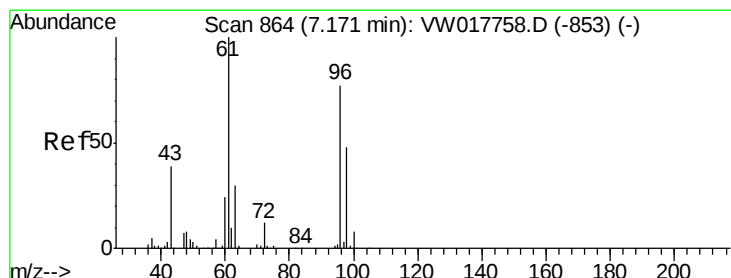
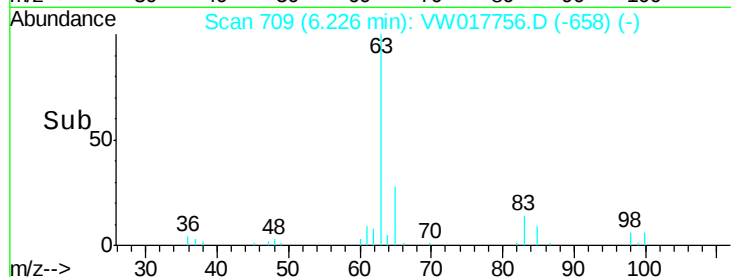
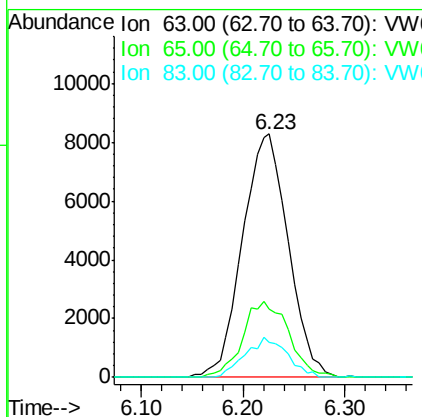
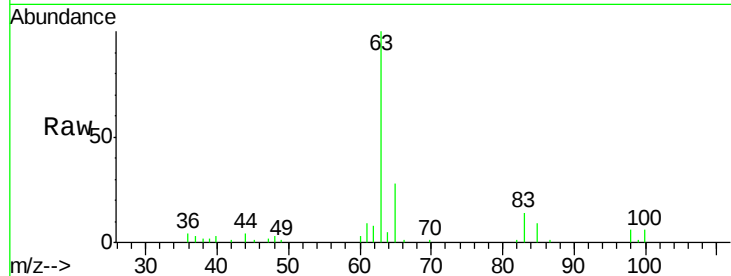




#19
 1,1-Dichloroethane
 Concen: 2.781 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

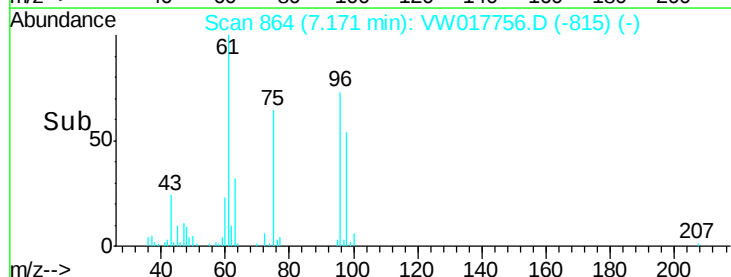
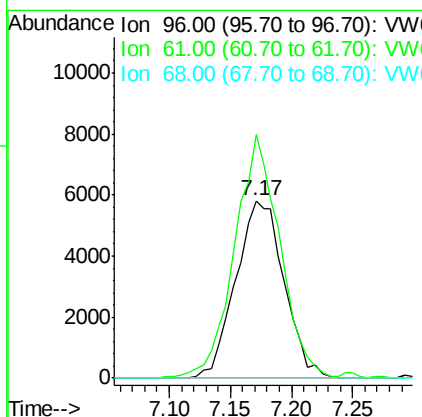
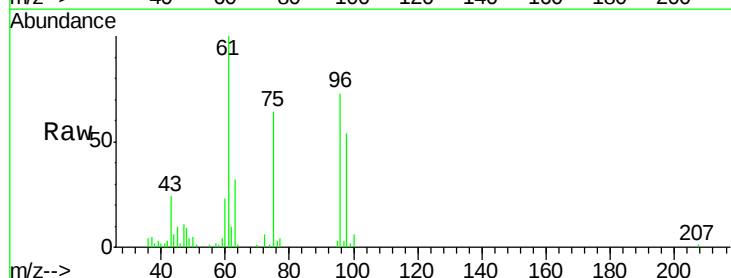
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.5102

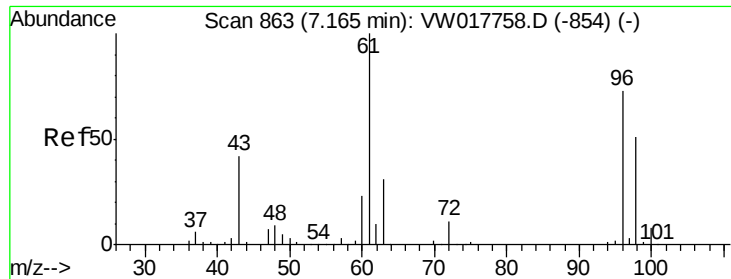
Tgt Ion: 63 Resp: 25823
 Ion Ratio Lower Upper
 63 100
 65 27.8 21.3 39.5
 83 14.2 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 2.778 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion: 96 Resp: 15900
 Ion Ratio Lower Upper
 96 100
 61 137.4 91.6 170.2
 68 0.0 0.0 0.0

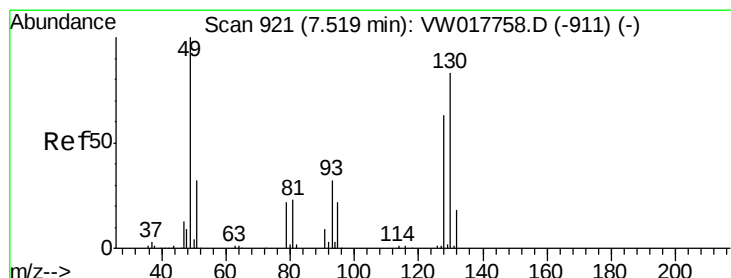
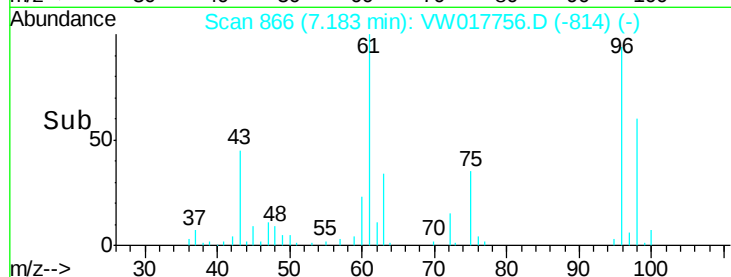
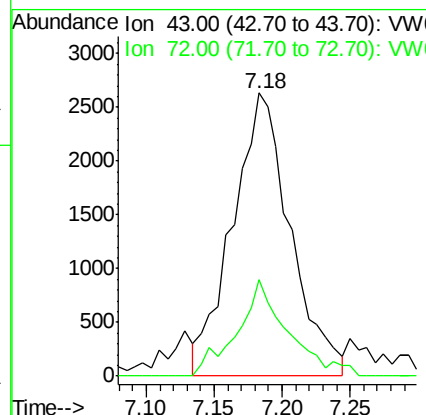
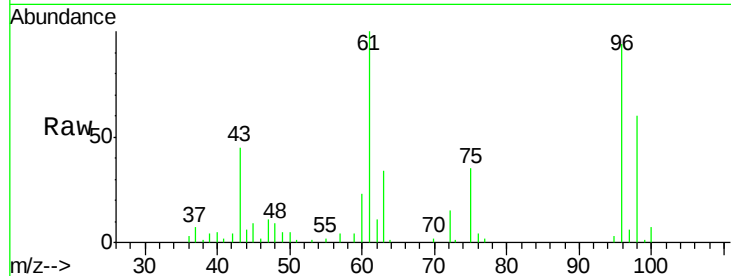




#22
2-Butanone
Concen: 4.958 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

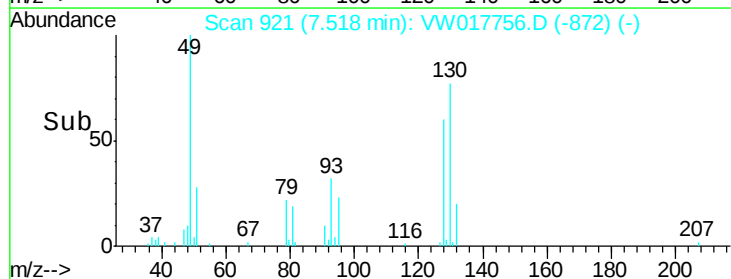
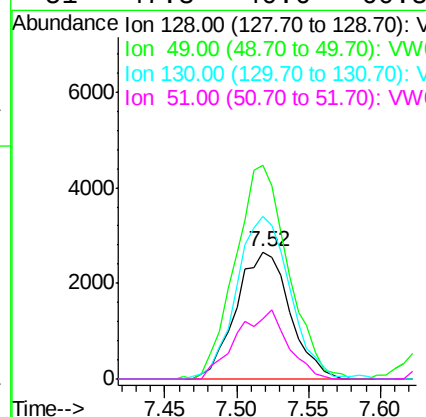
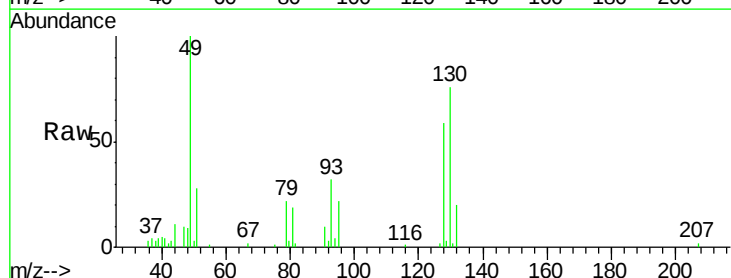
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

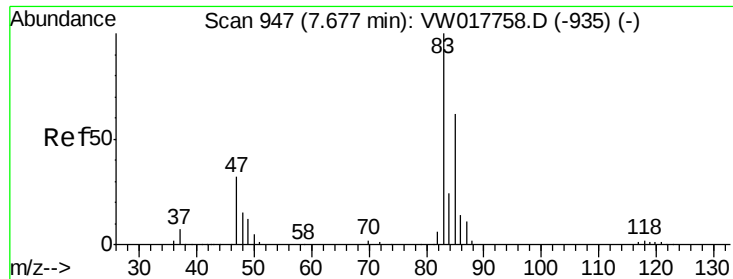
Tgt Ion: 43 Resp: 7811
Ion Ratio Lower Upper
43 100
72 25.8 14.6 44.0



#23
Bromochloromethane
Concen: 2.602 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion: 128 Resp: 6907
Ion Ratio Lower Upper
128 100
49 168.3 111.2 206.6
130 131.1 91.9 170.7
51 47.3 40.6 60.8

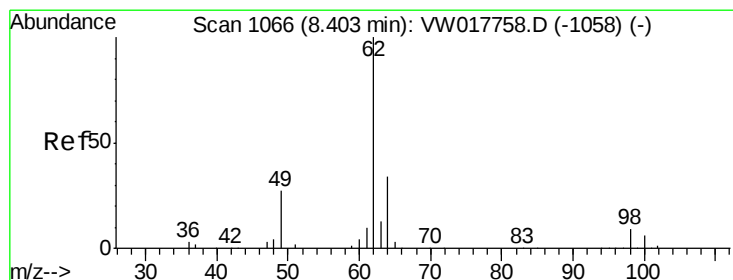
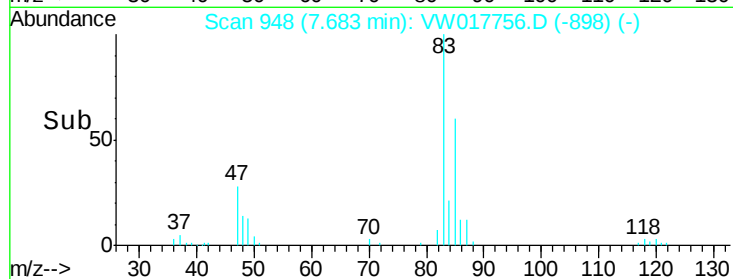
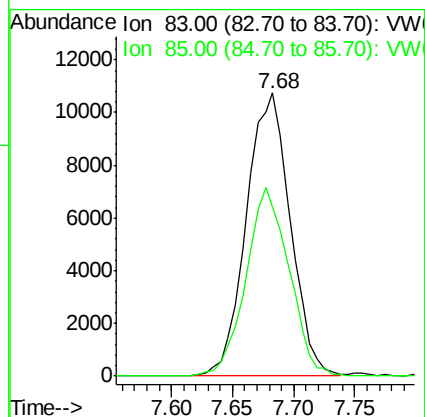
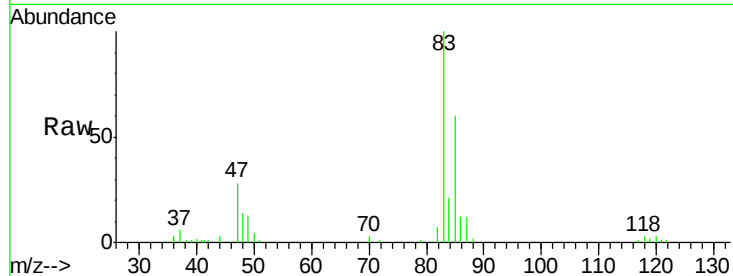




#25
Chloroform
Concen: 2.713 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

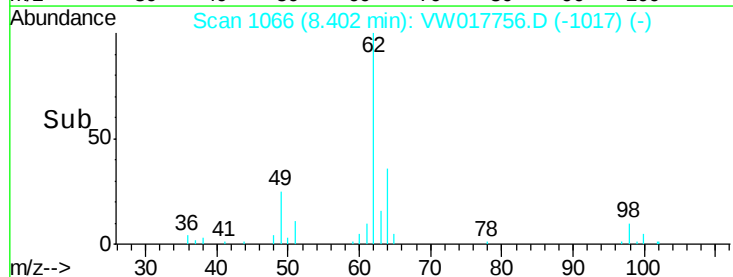
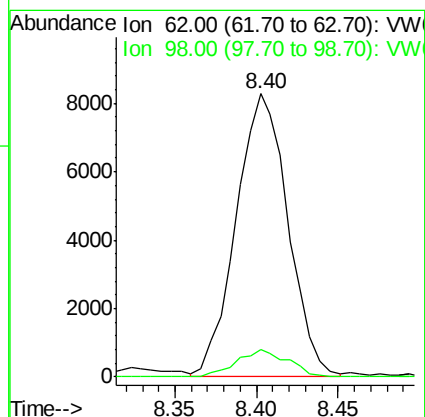
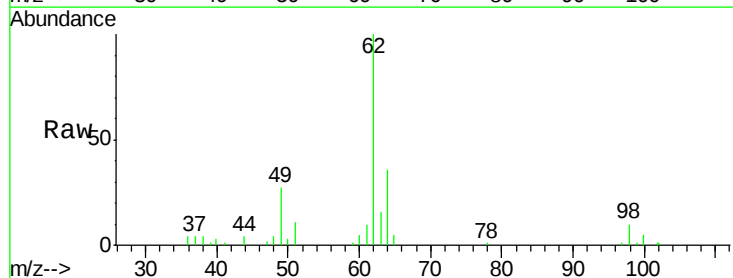
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

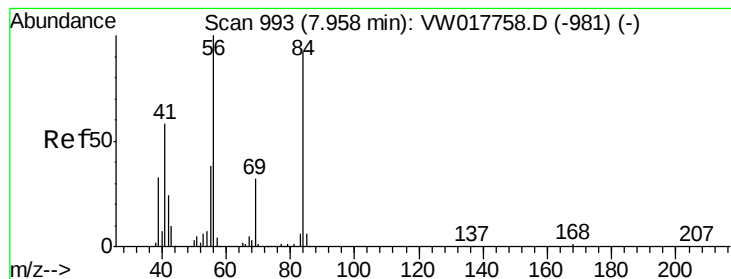
Tgt Ion: 83 Resp: 26852
Ion Ratio Lower Upper
83 100
85 59.9 43.6 81.0



#27
1,2-Dichloroethane
Concen: 2.853 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion: 62 Resp: 18310
Ion Ratio Lower Upper
62 100
98 9.5 6.8 10.2





#29

Cyclohexane

Concen: 3.071 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

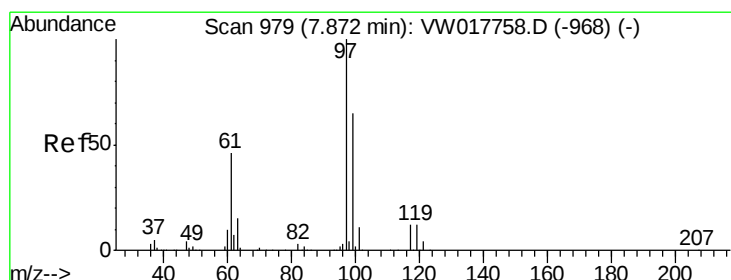
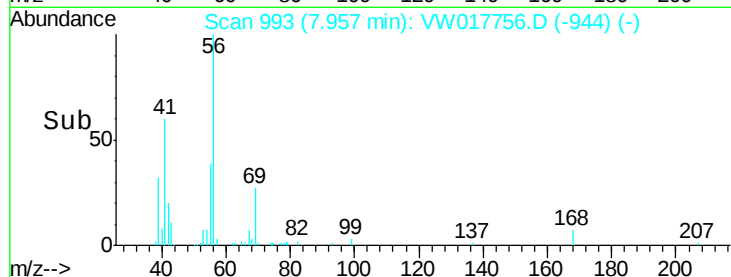
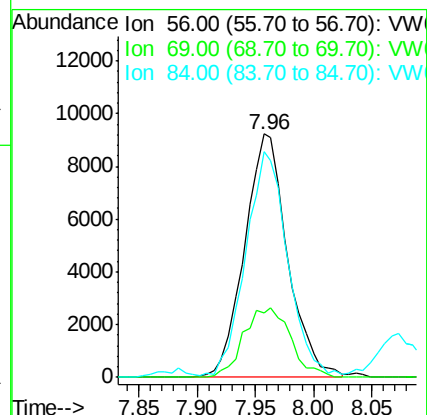
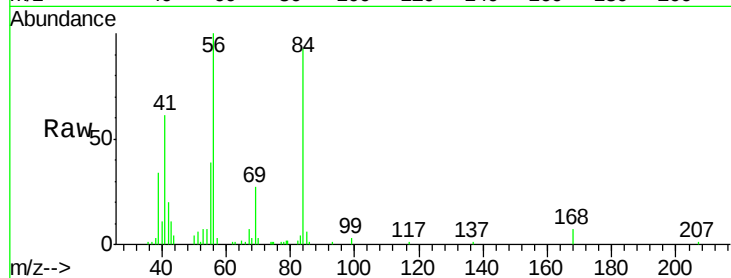
Tgt Ion: 56 Resp: 23748

Ion Ratio Lower Upper

56 100

69 31.0 25.4 38.2

84 90.7 74.3 111.5



#30

1,1,1-Trichloroethane

Concen: 2.764 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

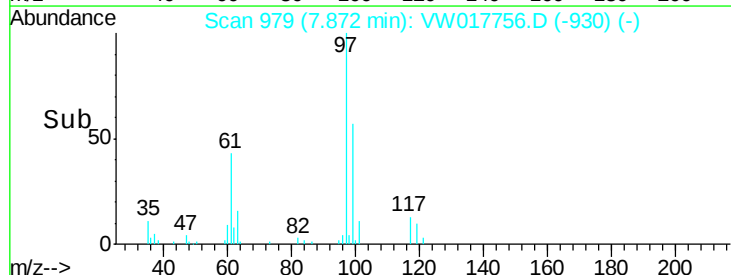
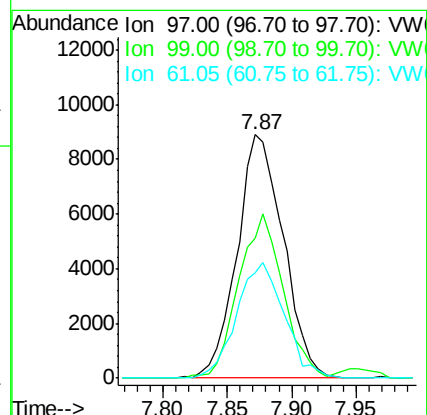
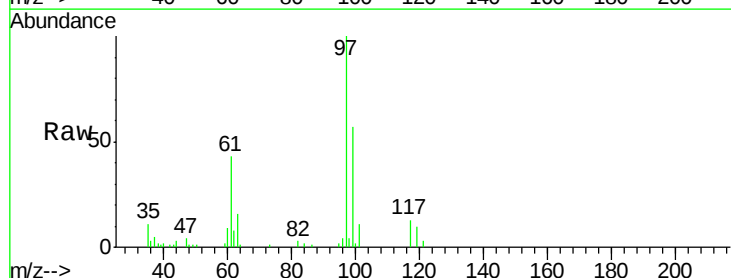
Tgt Ion: 97 Resp: 22201

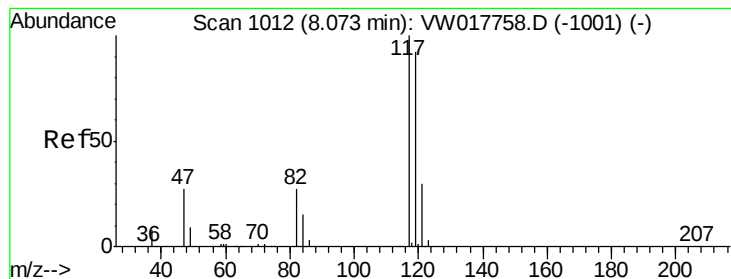
Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 47.0 36.6 54.8





#31

Carbon tetrachloride

Concen: 2.673 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

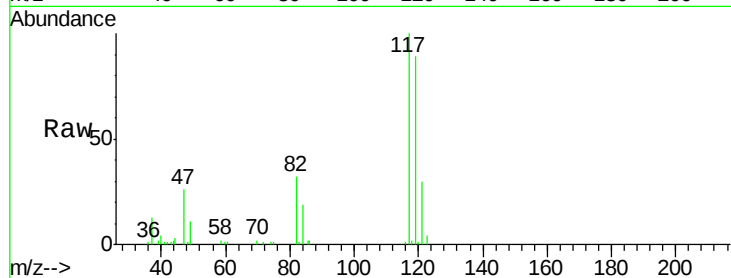
VSTD2.5102

Tgt Ion:117 Resp: 20793

Ion Ratio Lower Upper

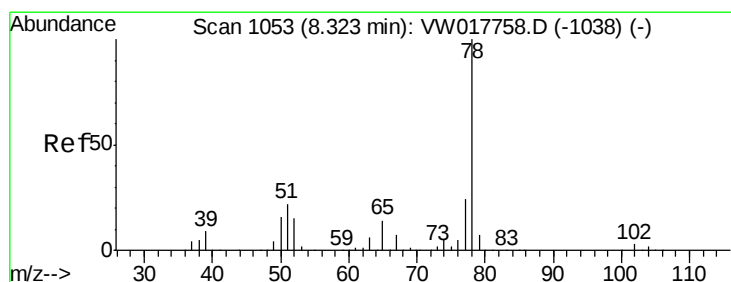
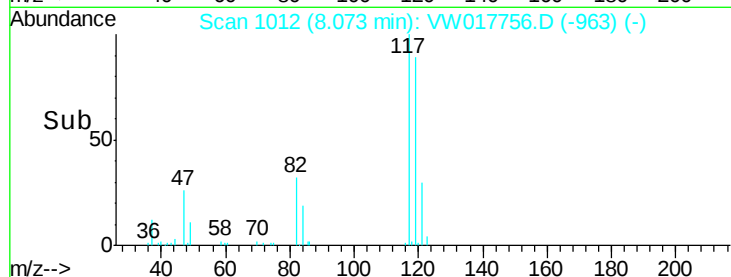
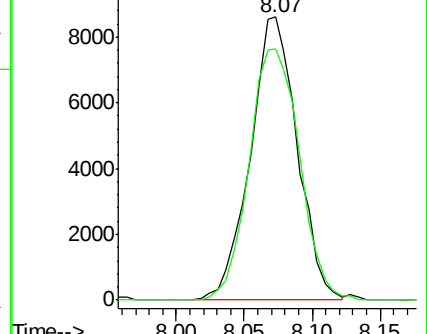
117 100

119 95.3 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.868 ug/L

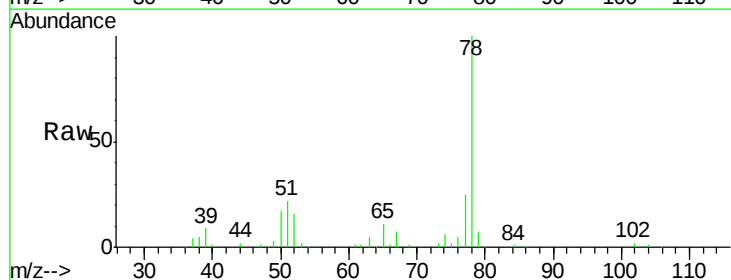
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017756.D

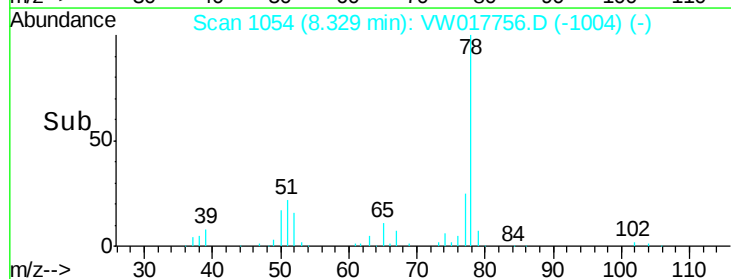
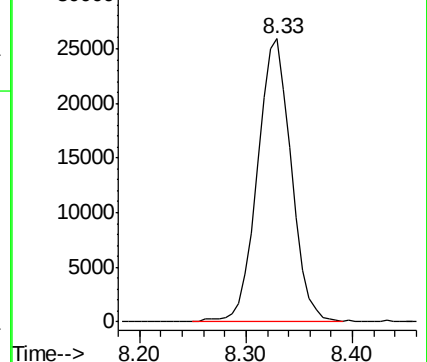
Acq: 28 Dec 2020 11:01

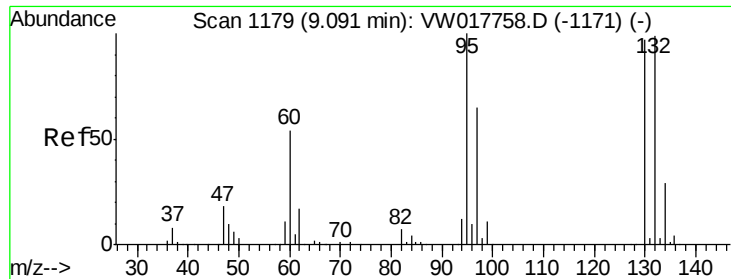
Tgt Ion: 78 Resp: 57818



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33





#34

Trichloroethene

Concen: 2.735 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

Tgt Ion: 95 Resp: 15196

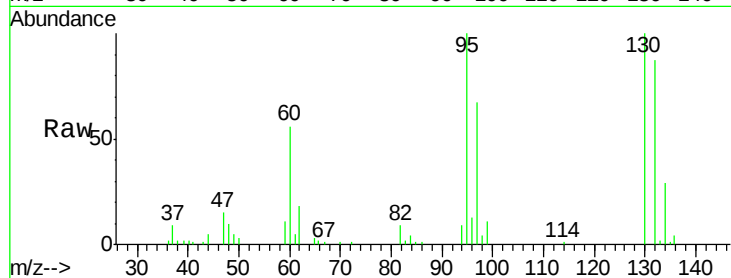
Ion Ratio Lower Upper

95 100

97 67.2 45.6 84.6

132 87.0 69.4 128.8

130 99.7 68.2 126.6



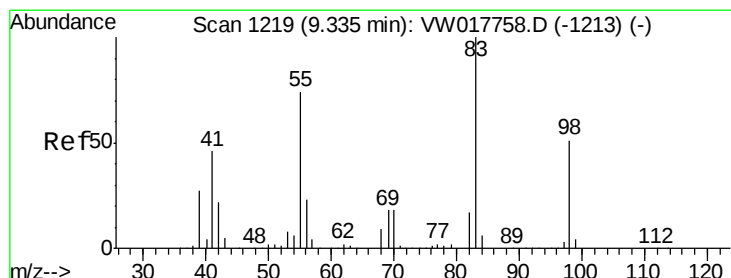
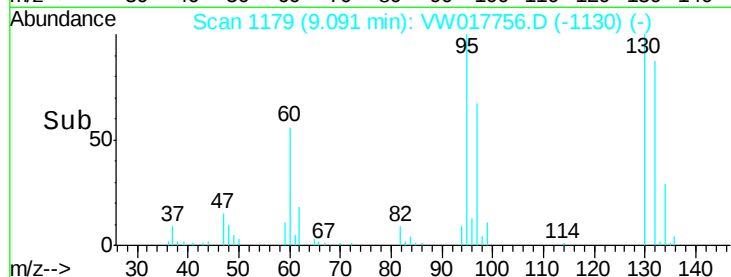
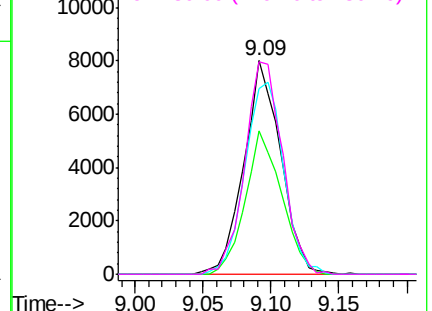
Abundance

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: 2.815 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

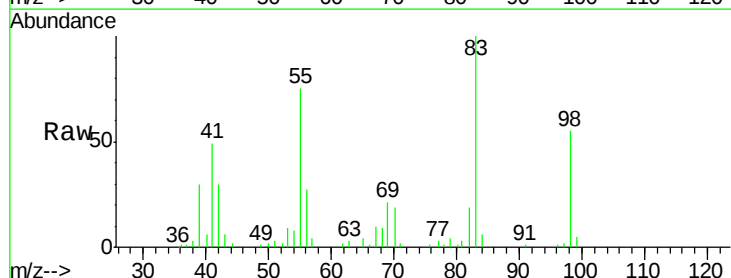
Tgt Ion: 83 Resp: 25504

Ion Ratio Lower Upper

83 100

55 75.6 58.6 88.0

98 51.4 40.5 60.7

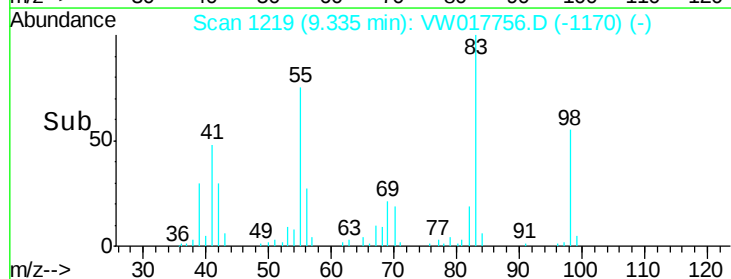
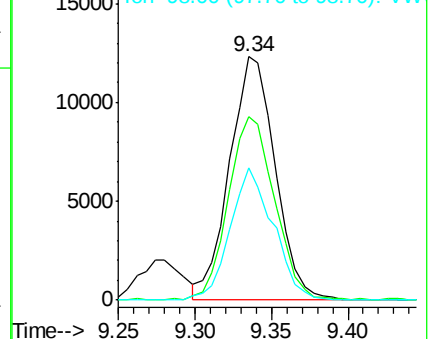


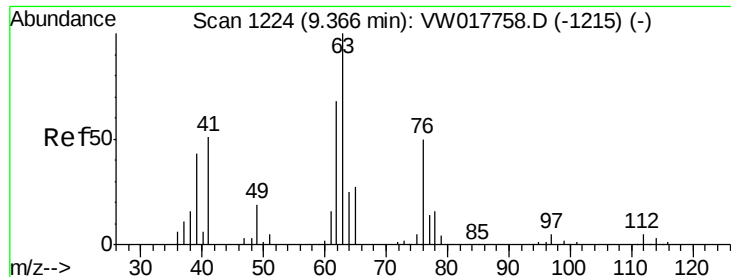
Abundance

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

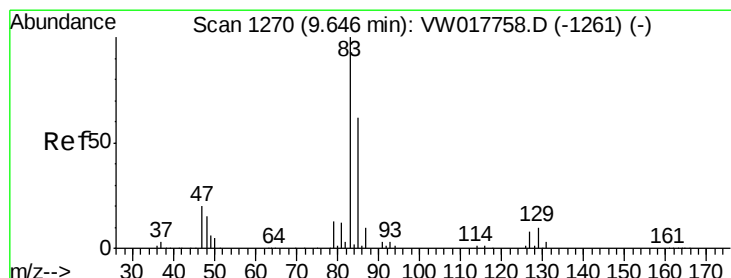
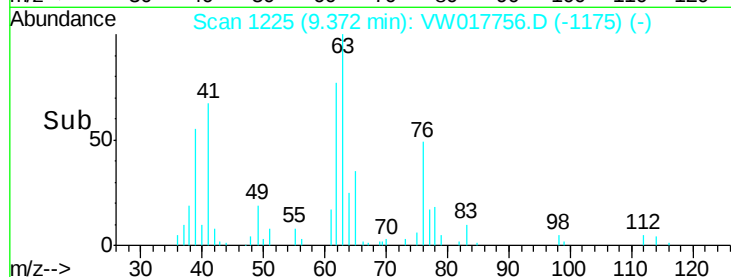
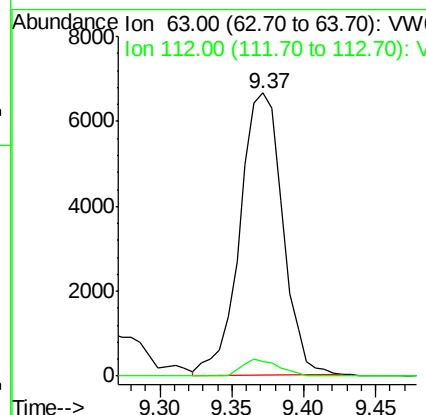
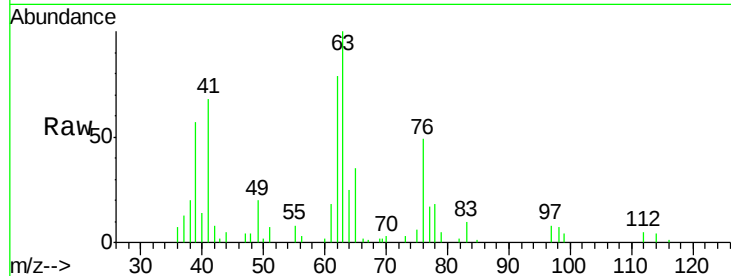




#37
 1,2-Dichloropropane
 Concen: 2.765 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

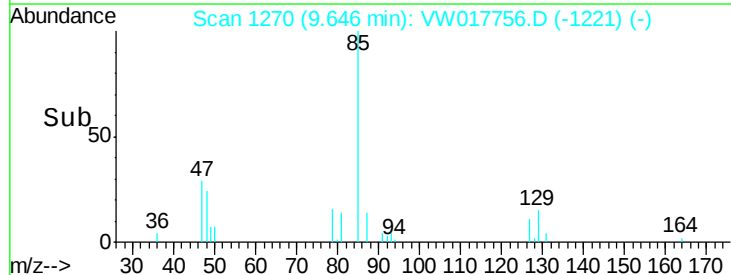
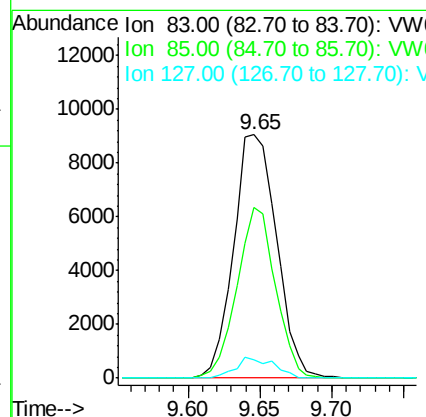
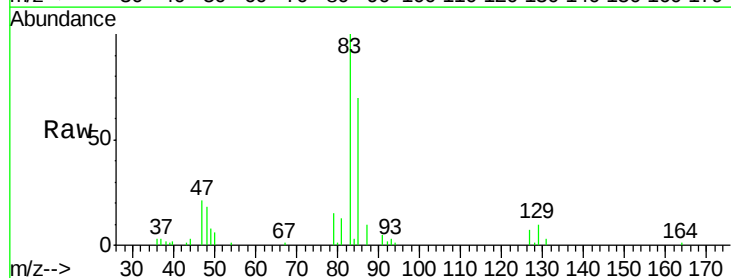
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

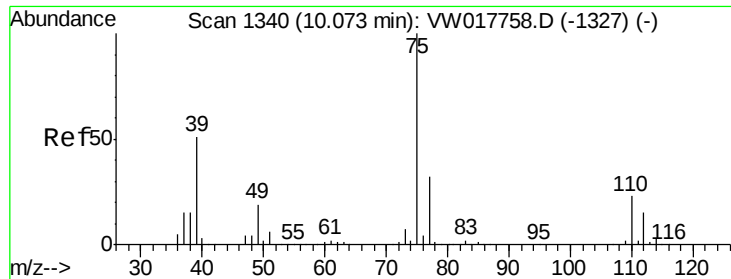
Tgt Ion: 63 Resp: 13568
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 2.743 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion: 83 Resp: 18872
 Ion Ratio Lower Upper
 83 100
 85 69.9 43.0 80.0
 127 7.5 6.1 9.1

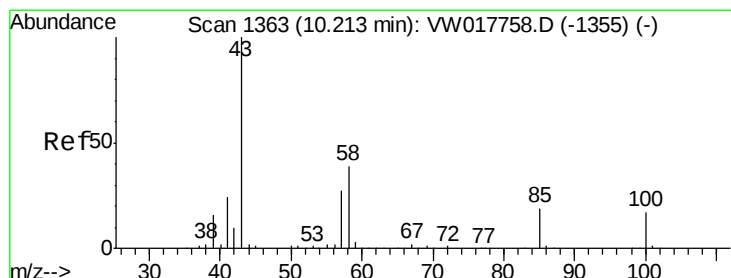
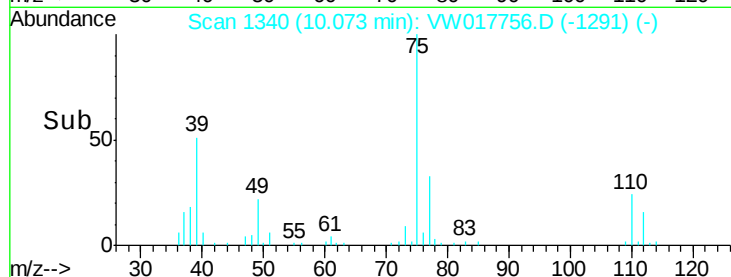
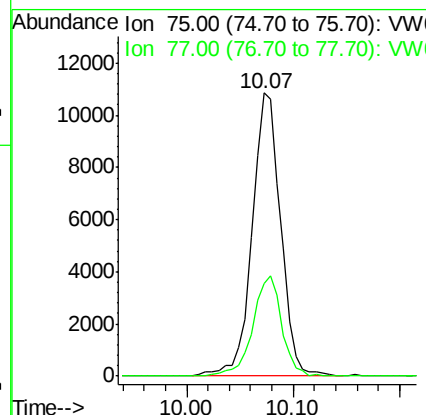
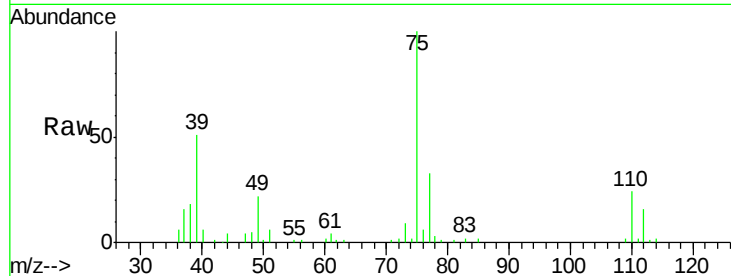




#39
 cis-1,3-Dichloropropene
 Concen: 2.612 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

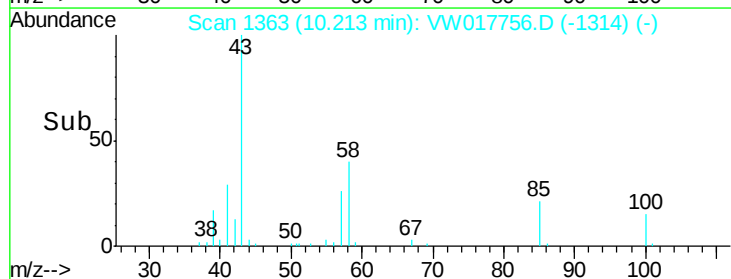
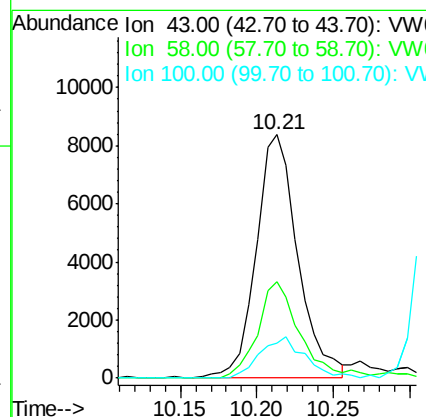
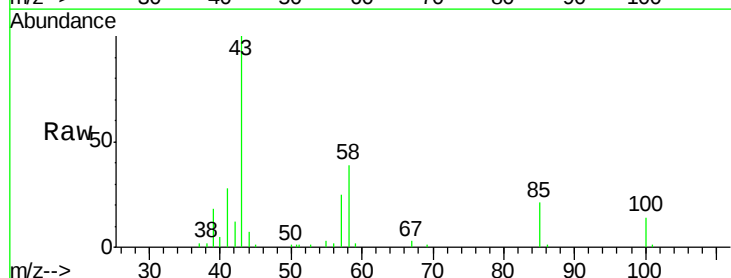
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

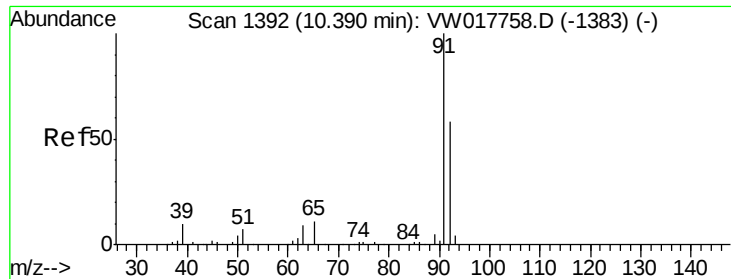
Tgt Ion: 75 Resp: 20438
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 5.689 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion: 43 Resp: 15905
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.3 45.5
 100 17.8 12.8 19.2





#42

Toluene

Concen: 2.877 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampled :

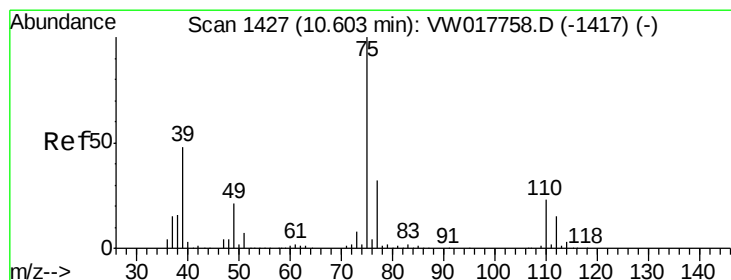
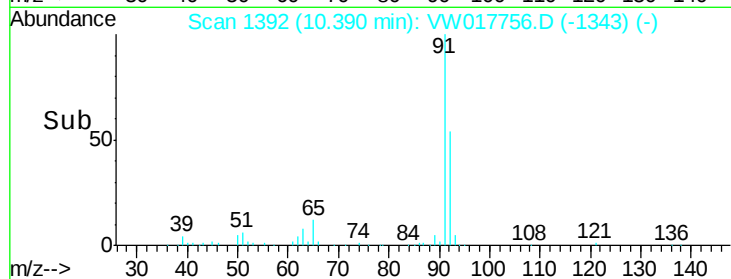
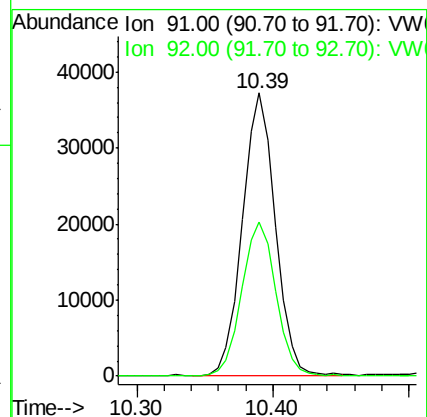
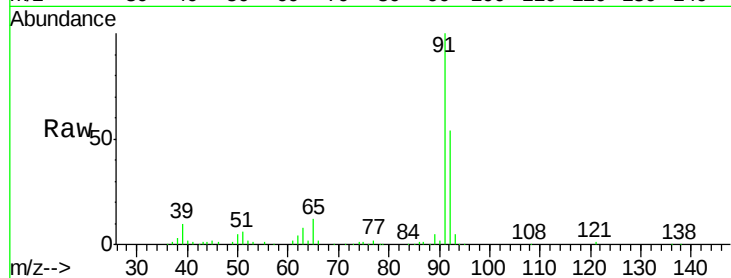
VSTD2.5102

Tgt Ion: 91 Resp: 62984

Ion Ratio Lower Upper

91 100

92 54.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 2.611 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017756.D

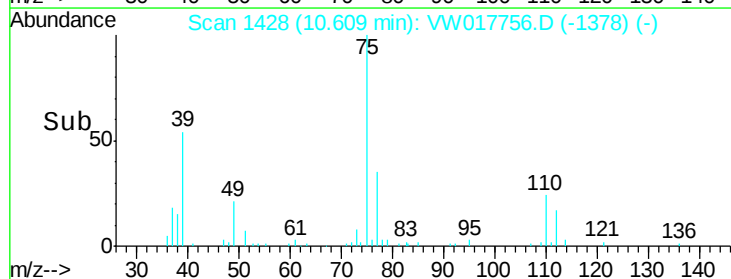
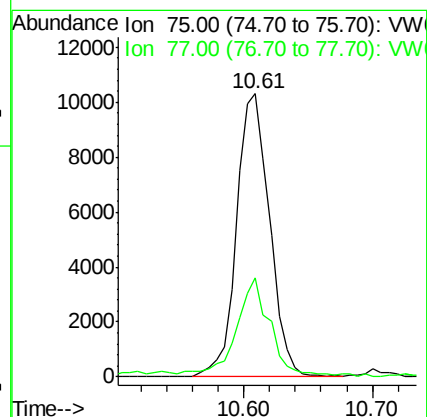
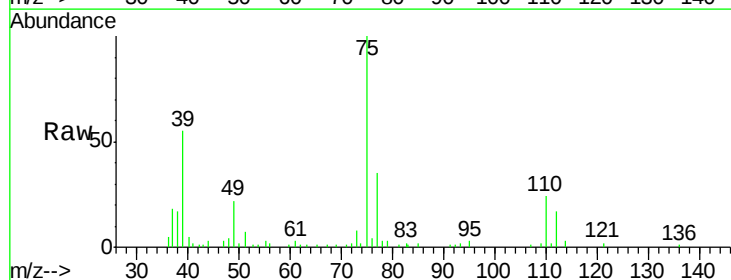
Acq: 28 Dec 2020 11:01

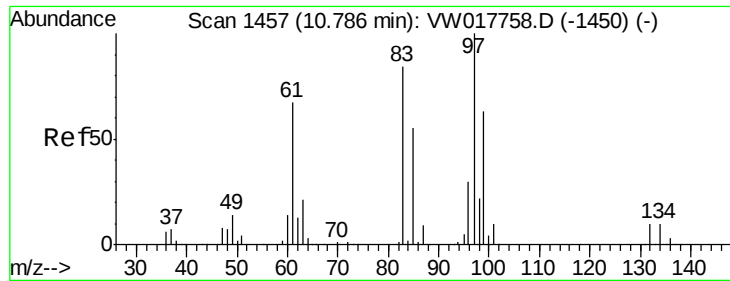
Tgt Ion: 75 Resp: 18321

Ion Ratio Lower Upper

75 100

77 34.8 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 2.755 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

Tgt Ion: 97 Resp: 10724

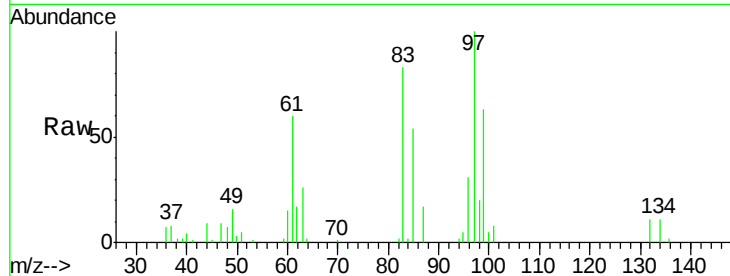
Ion Ratio Lower Upper

97 100

99 63.1 44.0 81.8

83 82.6 59.1 109.9

85 54.2 38.9 72.3

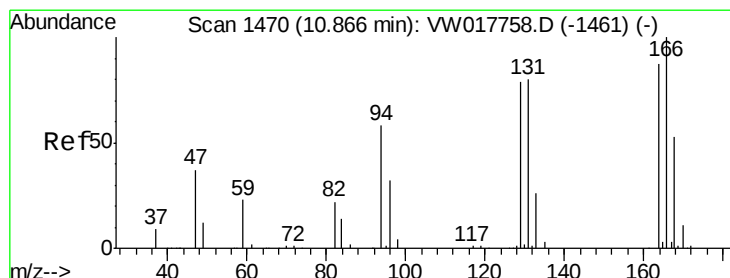
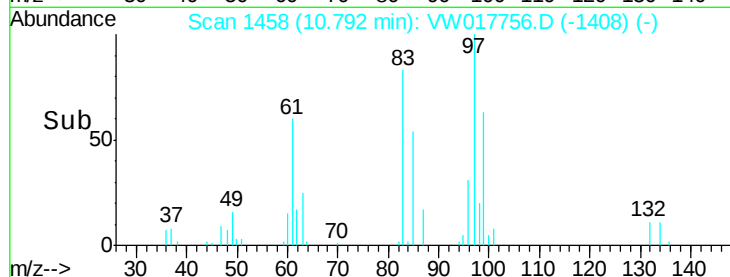
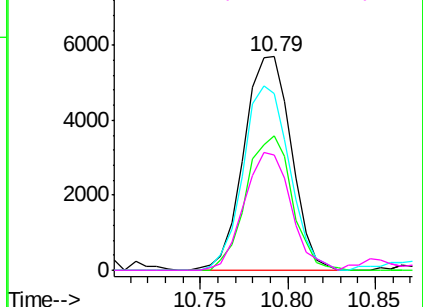


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.425 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Tgt Ion: 164 Resp: 11079

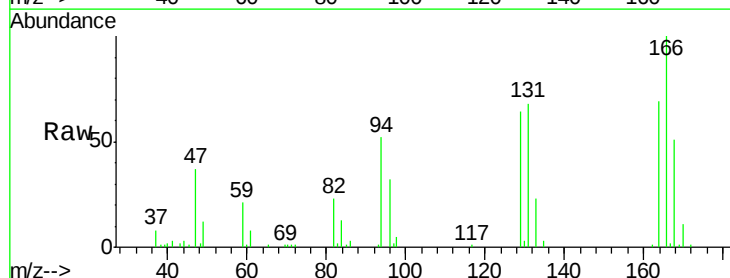
Ion Ratio Lower Upper

164 100

129 92.5 63.3 117.7

131 98.0 63.8 118.6

166 145.2 80.3 149.1

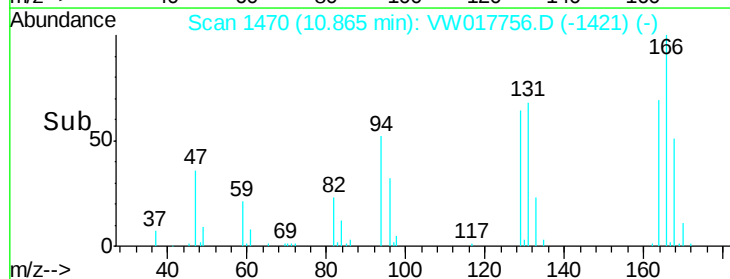
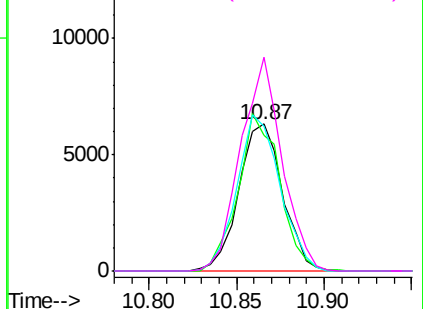


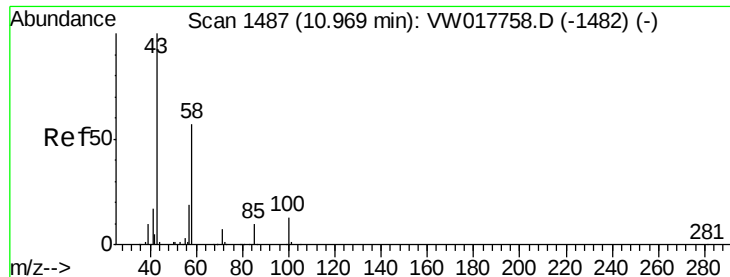
Abundance Ion 164.00 (163.70 to 164.70): V

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

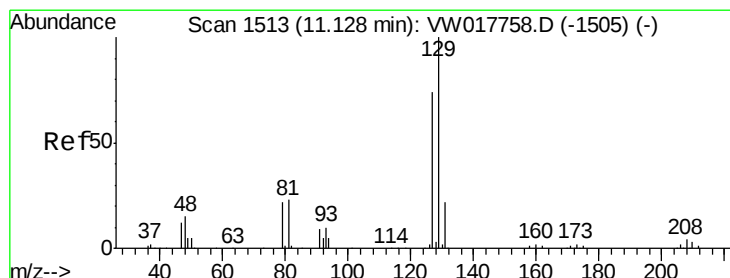
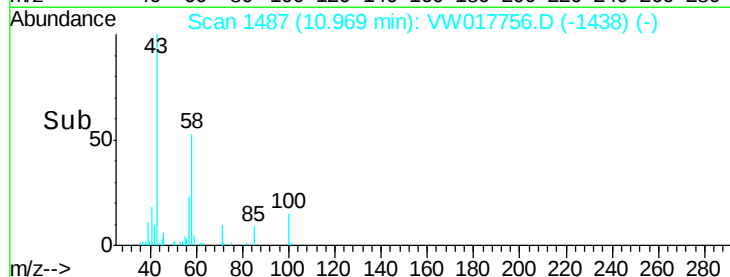
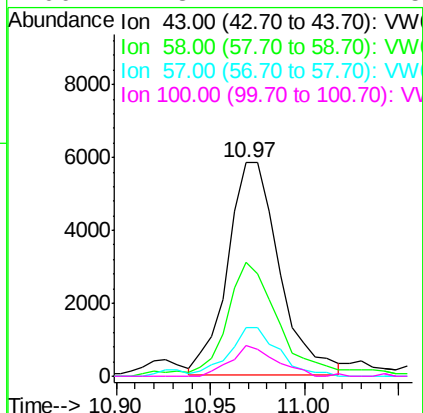
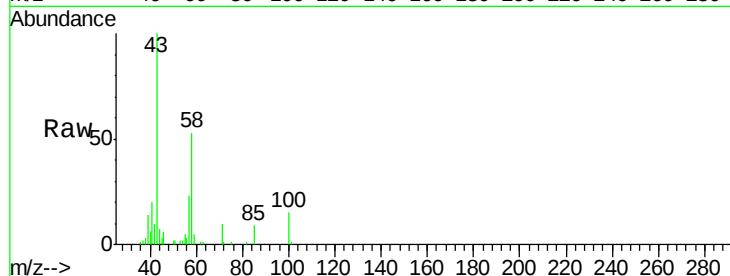




#48
2-Hexanone
Concen: 5.915 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

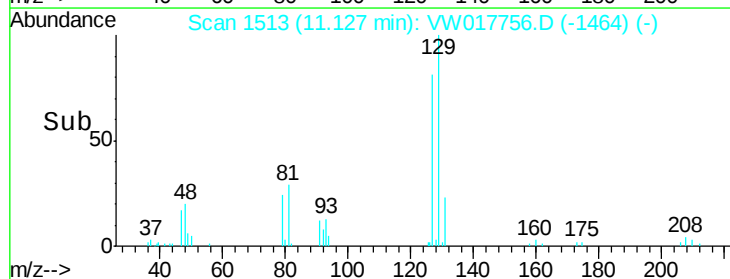
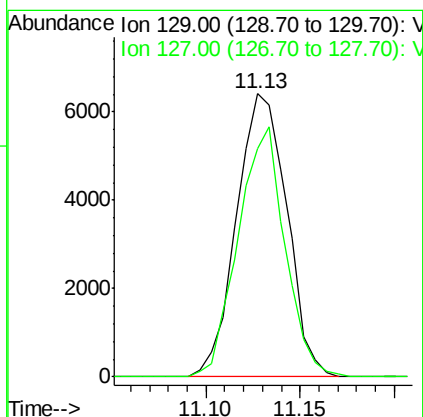
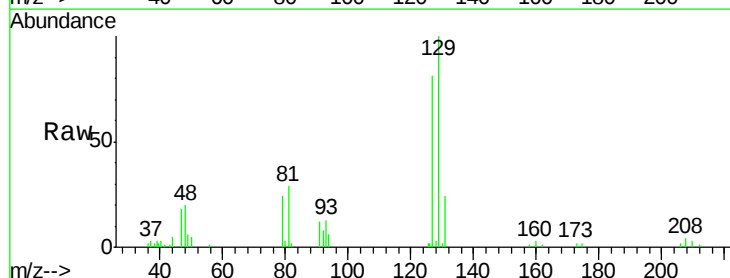
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

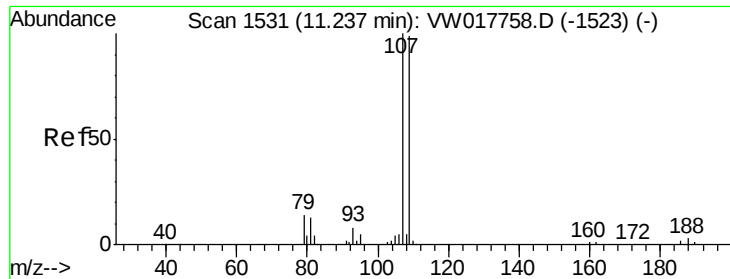
Tgt Ion: 43 Resp: 11221
Ion Ratio Lower Upper
43 100
58 47.9 46.8 70.2
57 21.6 14.6 22.0
100 12.3 11.7 17.5



#49
Dibromochloromethane
Concen: 2.470 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion: 129 Resp: 11850
Ion Ratio Lower Upper
129 100
127 80.5 51.6 95.8

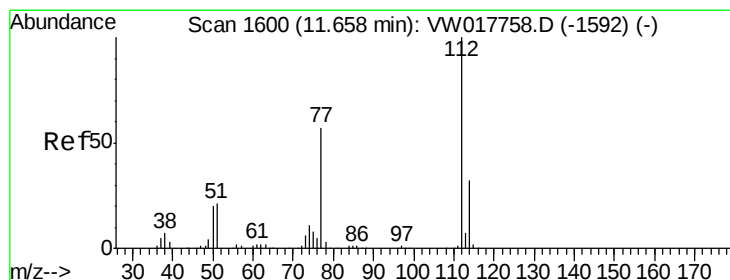
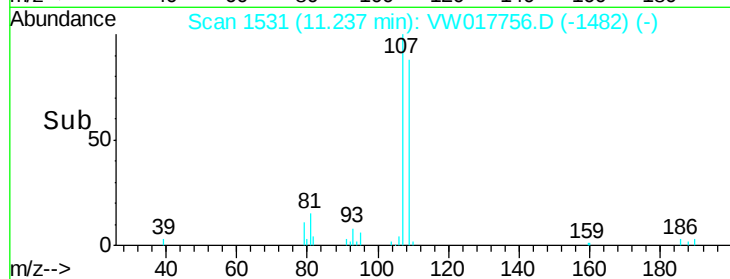
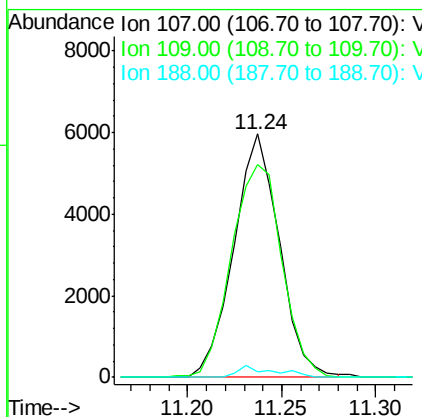
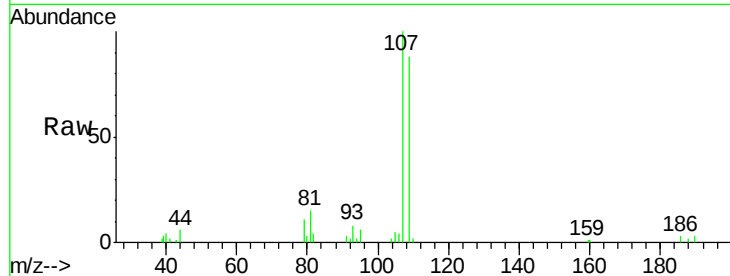




#50
1,2-Dibromoethane
Concen: 2.627 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

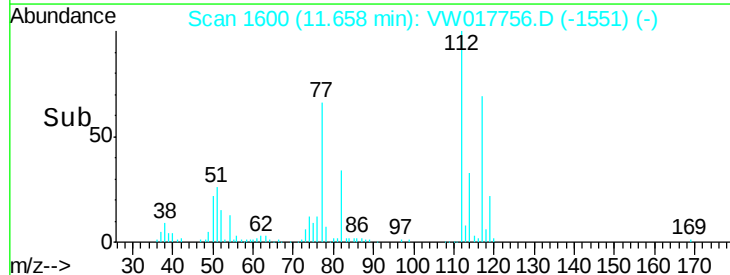
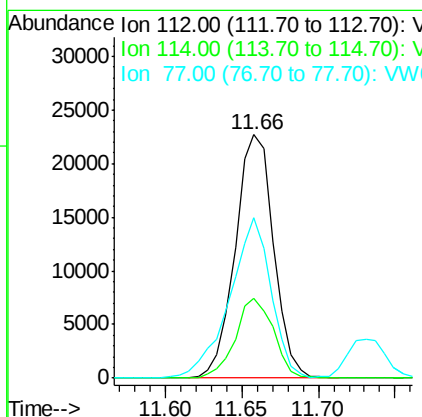
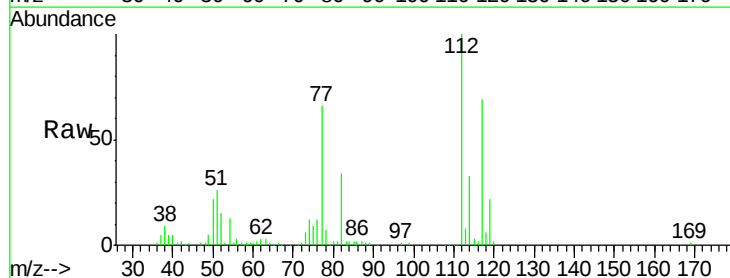
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

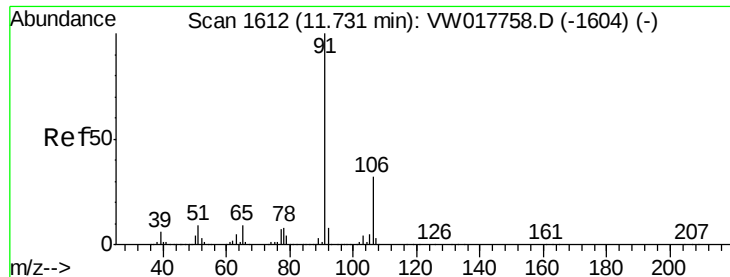
Tgt Ion:107 Resp: 9997
Ion Ratio Lower Upper
107 100
109 87.6 69.3 128.7
188 2.1 2.7 4.1#



#51
Chlorobenzene
Concen: 2.738 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion:112 Resp: 39429
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.3
77 66.0 45.8 68.6





#52

Ethylbenzene

Concen: 2.800 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

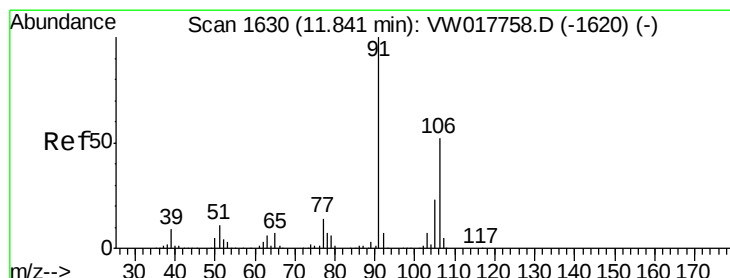
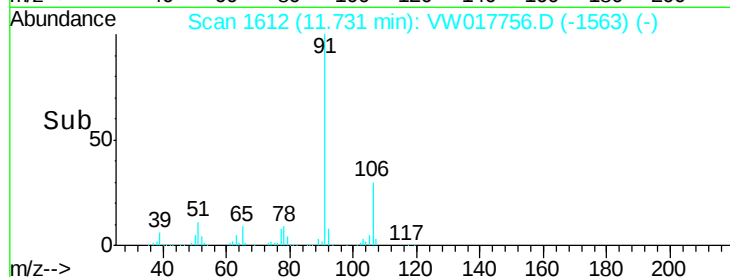
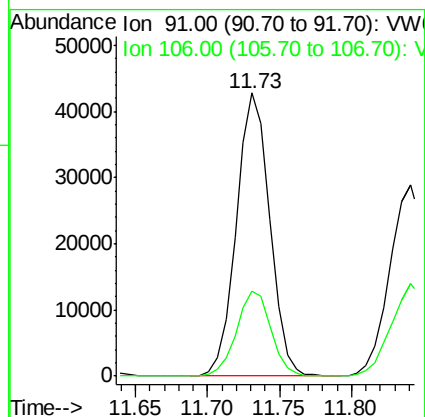
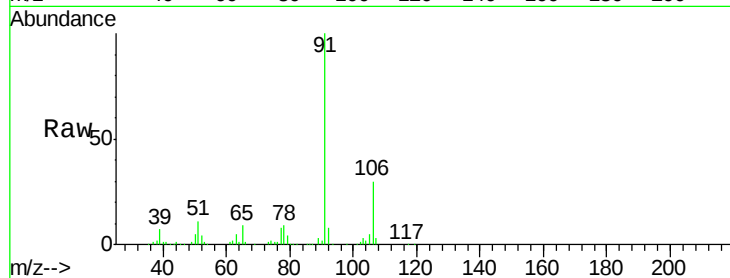
VSTD2.5102

Tgt Ion: 91 Resp: 69166

Ion Ratio Lower Upper

91 100

106 29.8 22.7 42.1



#53

m,p-Xylene

Concen: 2.747 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017756.D

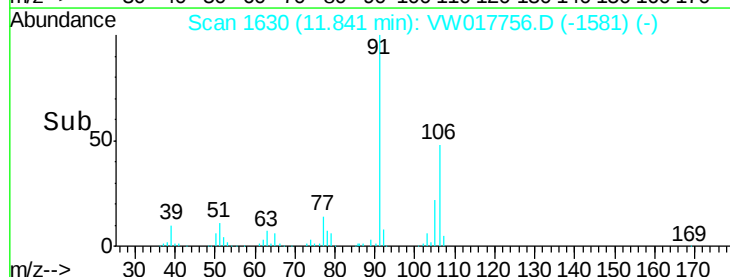
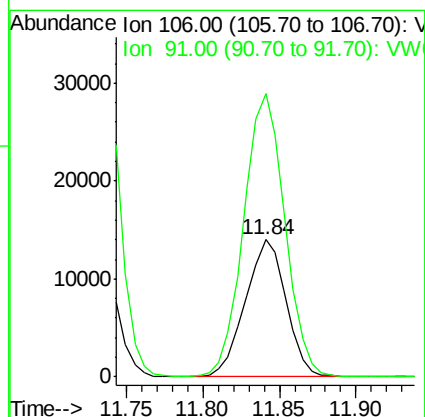
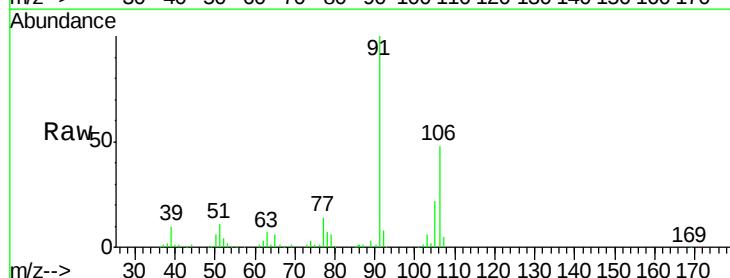
Acq: 28 Dec 2020 11:01

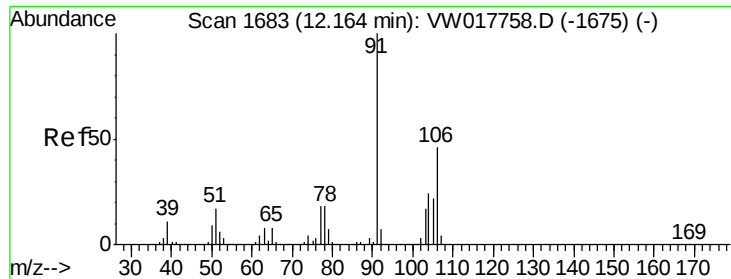
Tgt Ion: 106 Resp: 25882

Ion Ratio Lower Upper

106 100

91 206.7 135.6 251.8

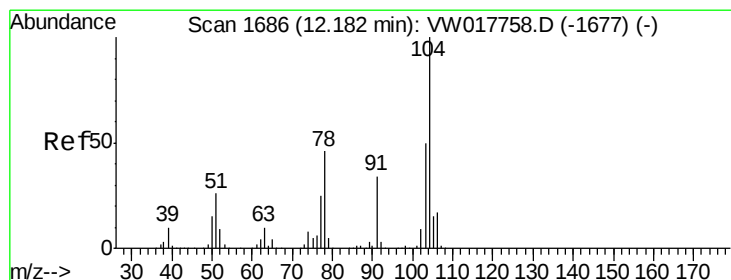
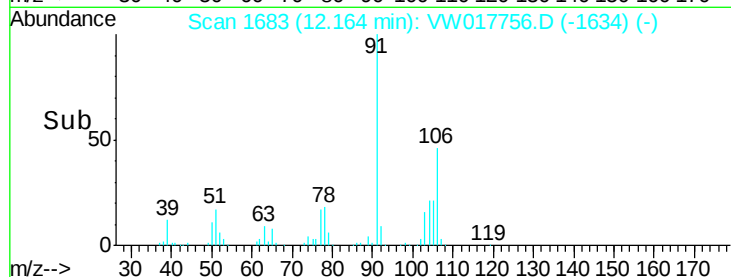
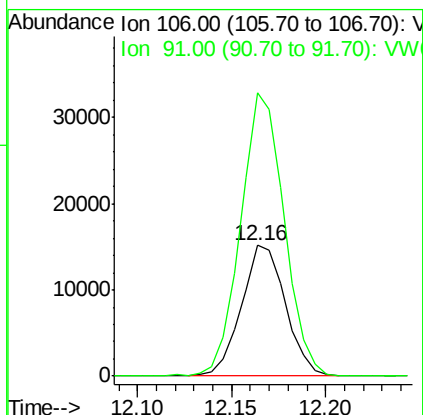
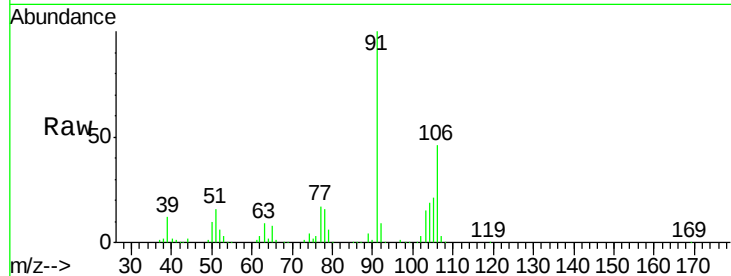




#54
o-Xylene
Concen: 2.751 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

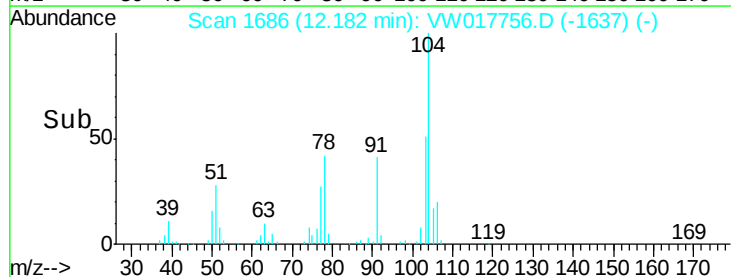
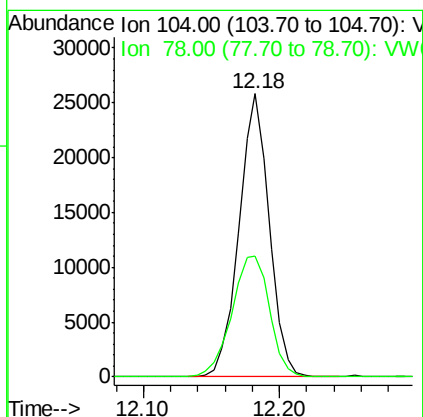
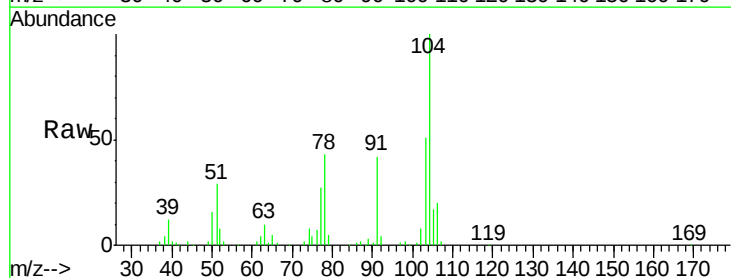
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

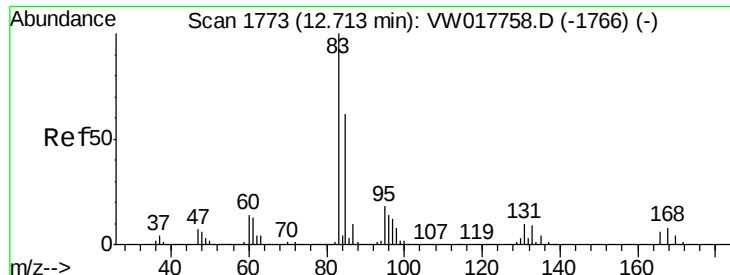
Tgt Ion:106 Resp: 24548
Ion Ratio Lower Upper
106 100
91 216.4 152.2 282.6



#55
Styrene
Concen: 2.622 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion:104 Resp: 39951
Ion Ratio Lower Upper
104 100
78 42.6 31.9 59.3

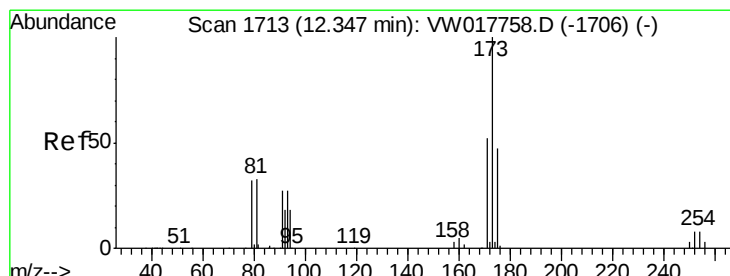
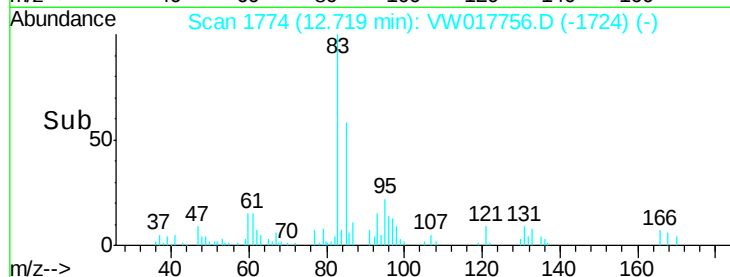
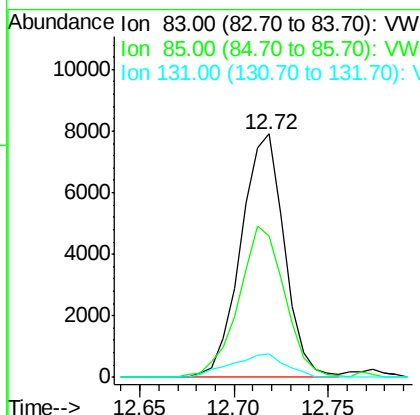
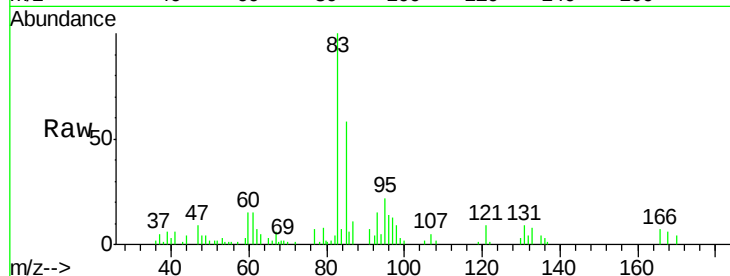




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.756 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

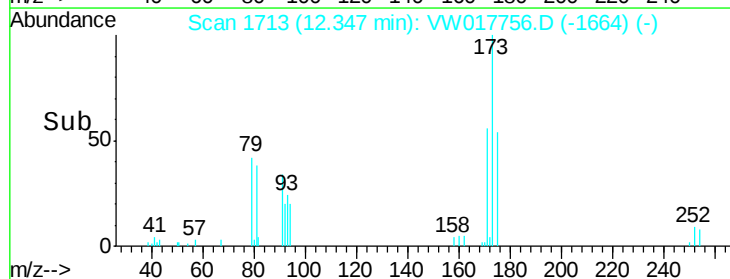
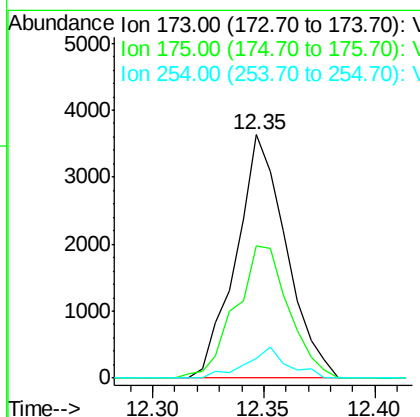
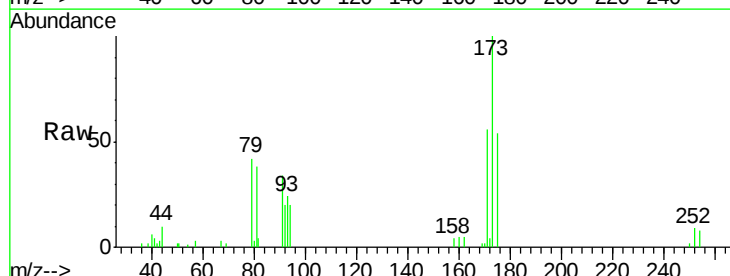
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

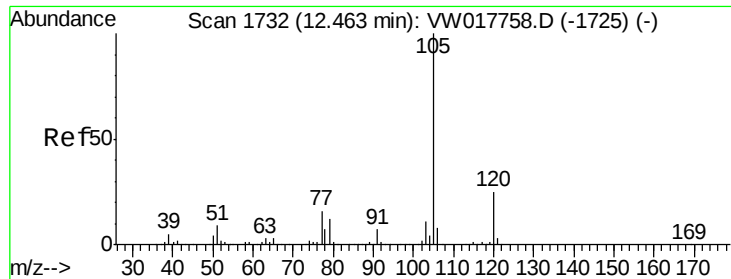
Tgt Ion: 83 Resp: 12627
 Ion Ratio Lower Upper
 83 100
 85 58.0 43.5 80.7
 131 9.4 8.2 12.2



#59
 Bromoform
 Concen: 2.000 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion: 173 Resp: 5681
 Ion Ratio Lower Upper
 173 100
 175 57.5 38.0 57.0#
 254 10.5 4.8 7.2#





#60

Isopropylbenzene

Concen: 2.700 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

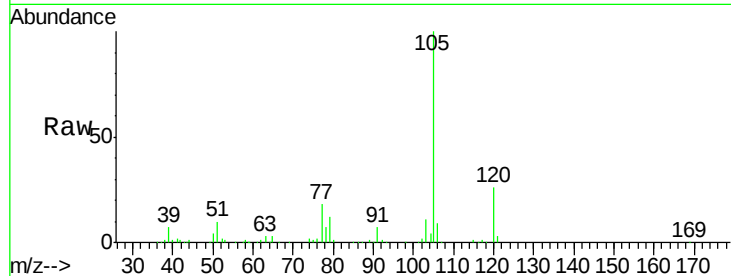
Tgt Ion: 105 Resp: 66977

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

77 17.5 12.9 19.3

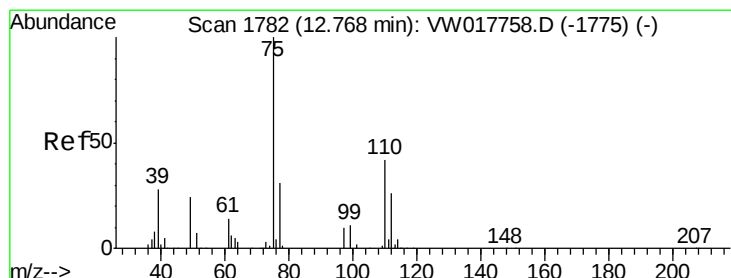
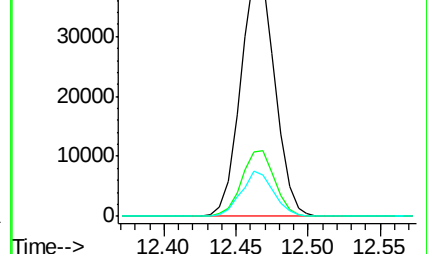
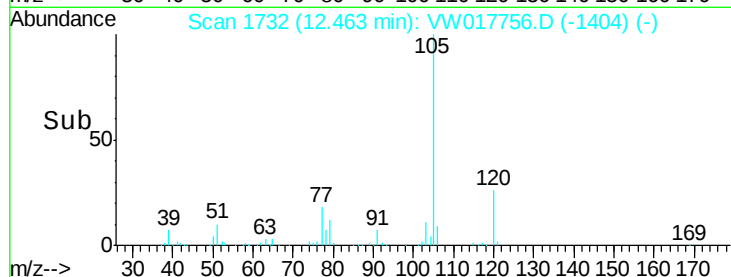


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#61

1,2,3-Trichloropropane

Concen: 2.811 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017756.D

Acq: 28 Dec 2020 11:01

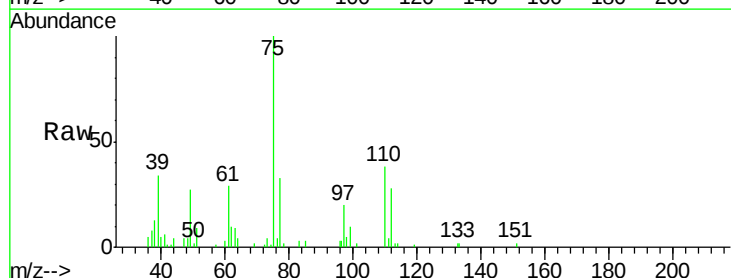
Tgt Ion: 75 Resp: 9765

Ion Ratio Lower Upper

75 100

77 35.1 25.7 38.5

110 38.9 33.0 49.6

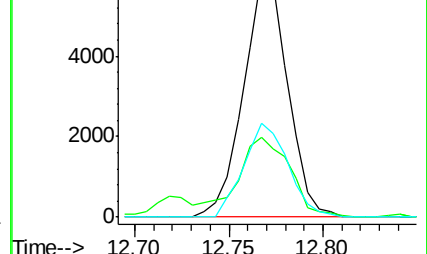
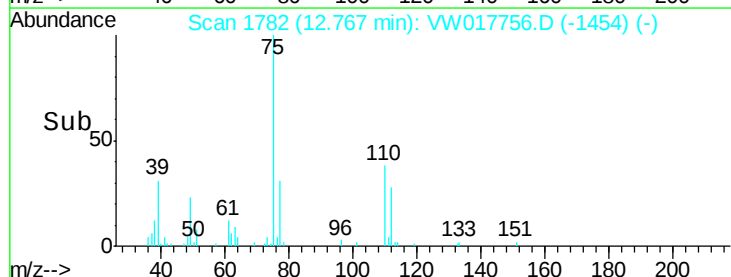


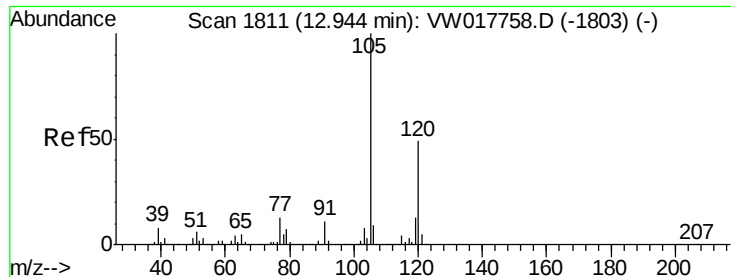
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

Time-->

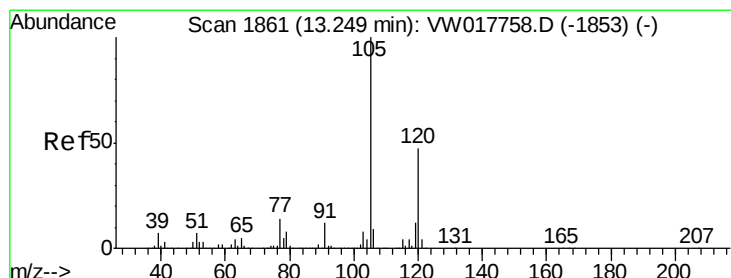
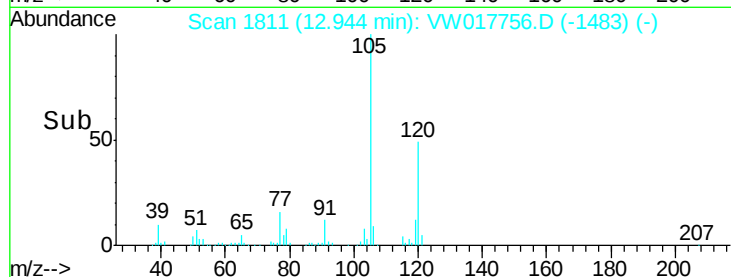
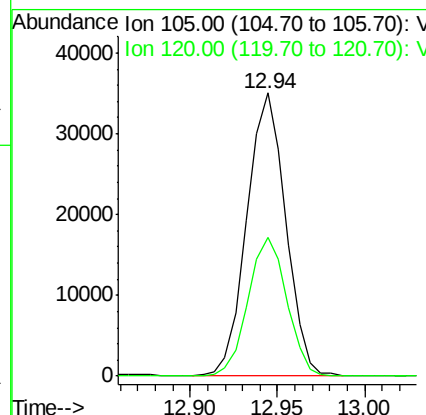
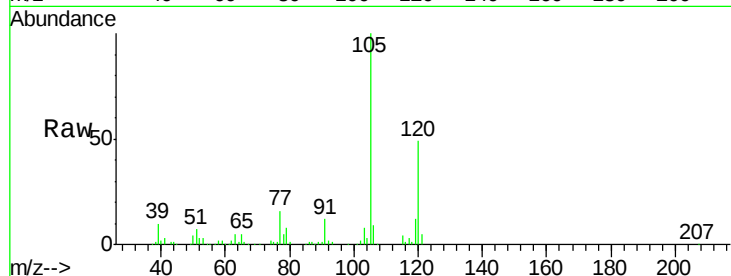




#62
 1,3,5-Trimethylbenzene
 Concen: 2.677 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

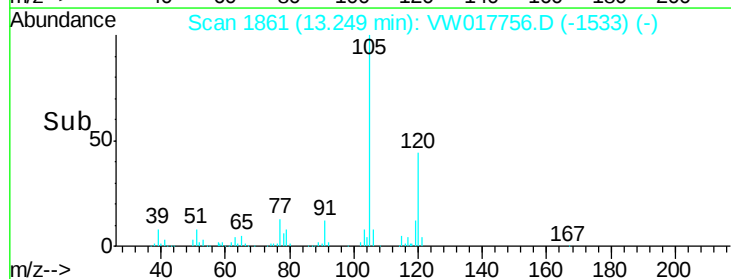
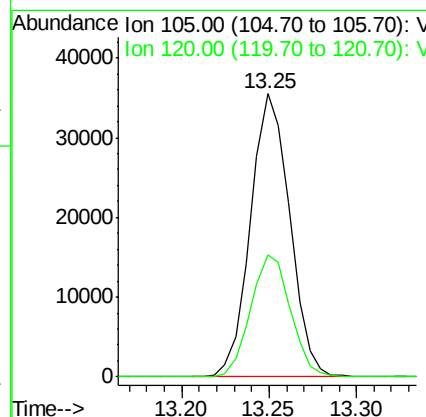
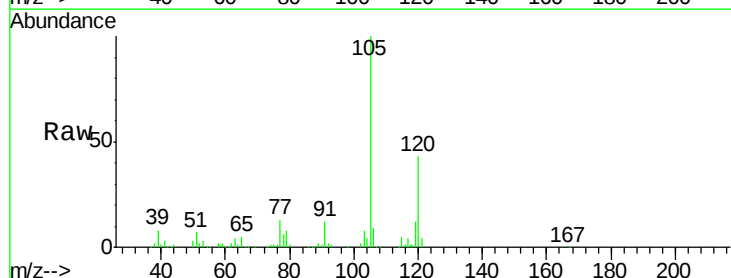
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

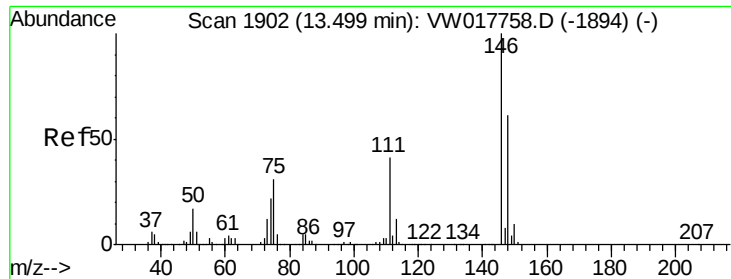
Tgt Ion:105 Resp: 54160
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 2.771 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion:105 Resp: 55471
 Ion Ratio Lower Upper
 105 100
 120 43.6 37.5 56.3

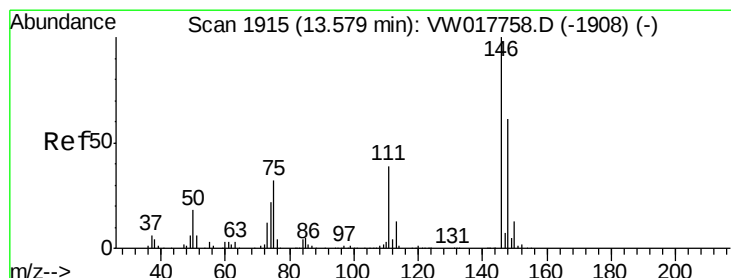
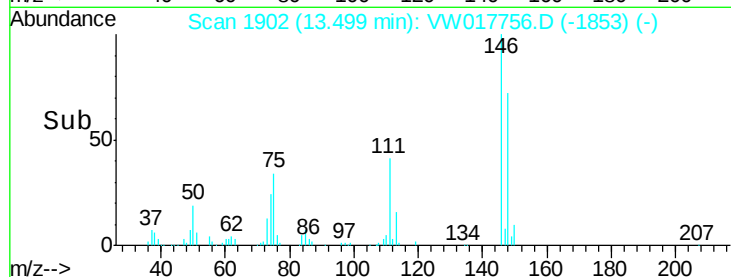
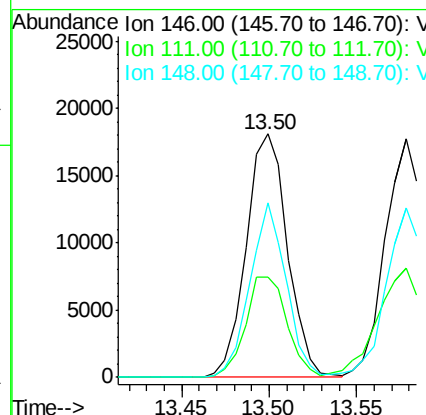
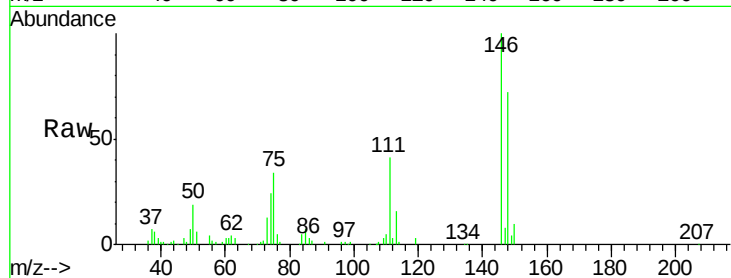




#64
 1,3-Dichlorobenzene
 Concen: 2.563 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

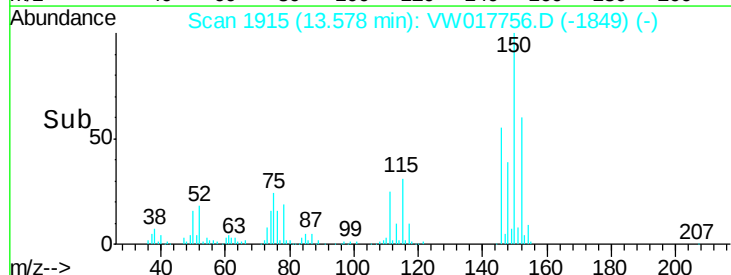
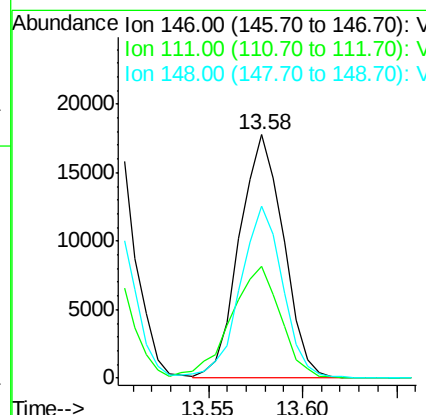
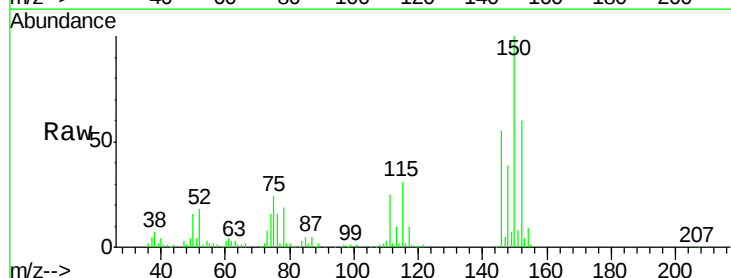
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

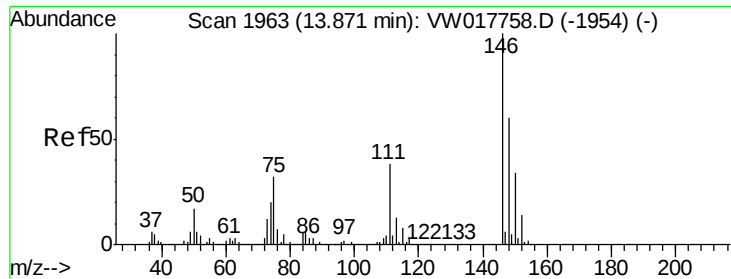
Tgt Ion:146 Resp: 29801
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.8 53.6
 148 71.6 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 2.448 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion:146 Resp: 28874
 Ion Ratio Lower Upper
 146 100
 111 45.9 27.6 51.2
 148 70.7 42.4 78.6

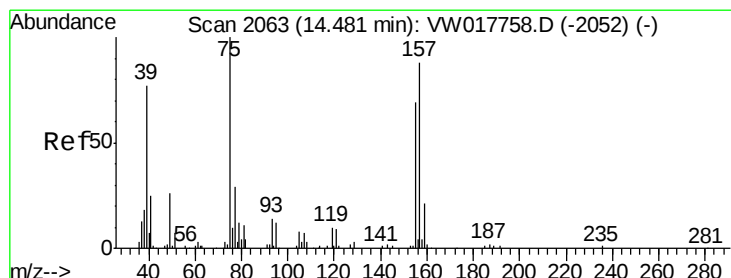
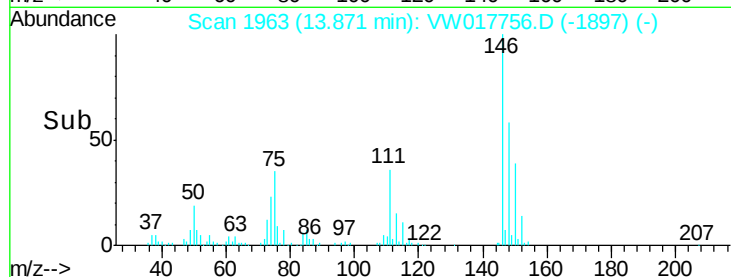
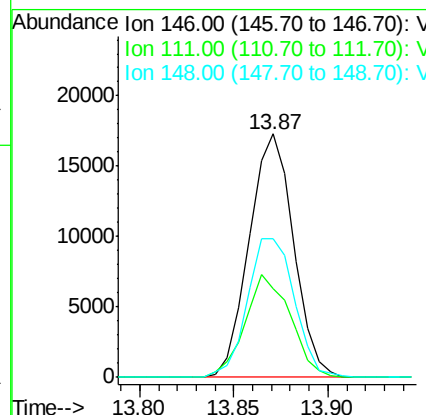
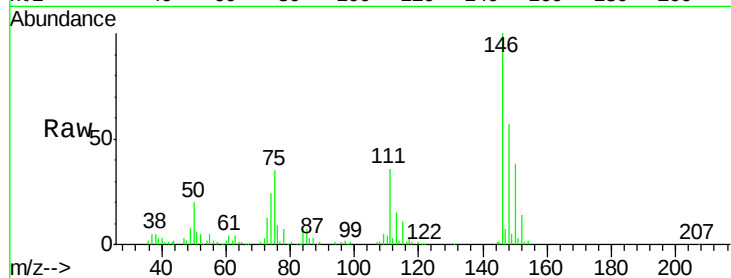




#67
 1,2-Dichlorobenzene
 Concen: 2.674 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

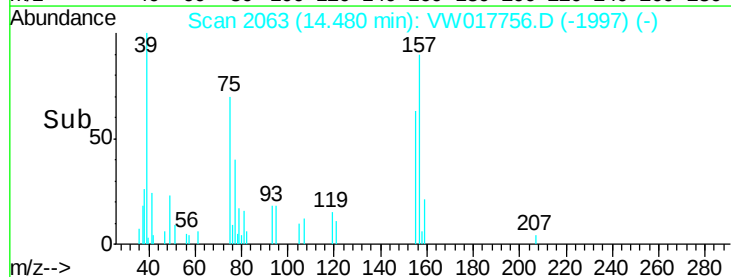
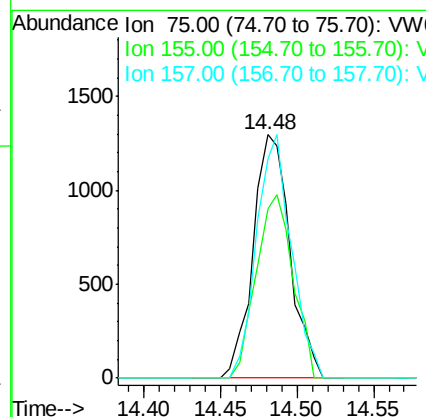
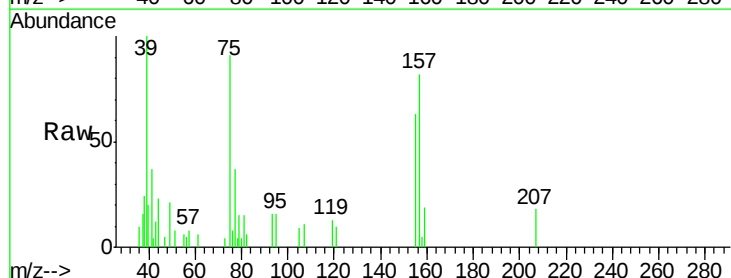
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

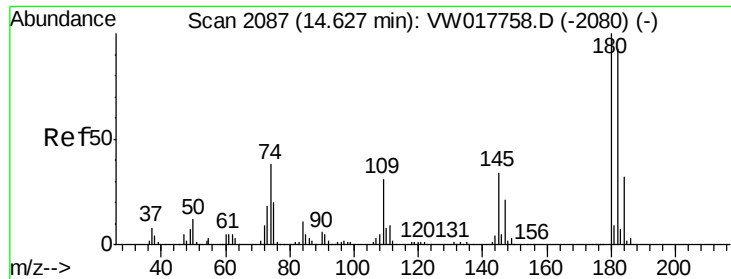
Tgt Ion: 146 Resp: 28279
 Ion Ratio Lower Upper
 146 100
 111 36.3 30.6 45.8
 148 56.9 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.739 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Tgt Ion: 75 Resp: 2174
 Ion Ratio Lower Upper
 75 100
 155 69.3 54.9 82.3
 157 90.1 70.4 105.6

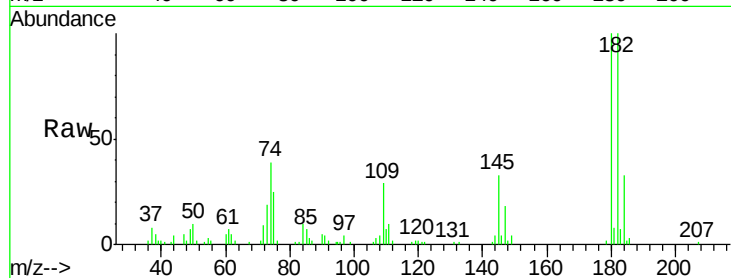




#69
 1,3,5-Trichlorobenzene
 Concen: 2.501 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

Tgt Ion:	180	Resp:	20818
Ion	Ratio	Lower	Upper
180	100		
182	92.1	76.1	114.1
184	30.8	24.2	36.4
145	30.2	25.6	38.4

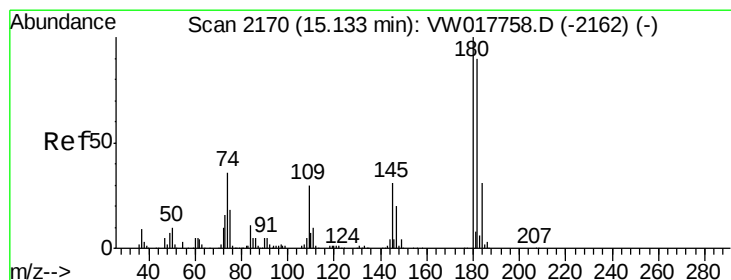
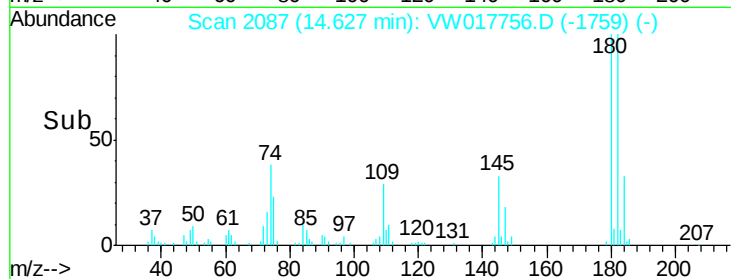
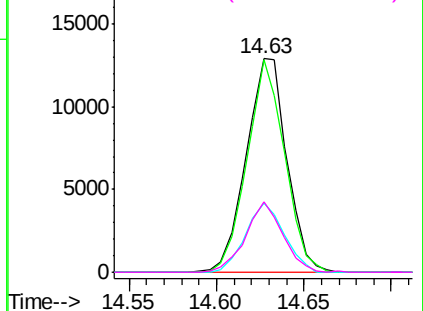


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

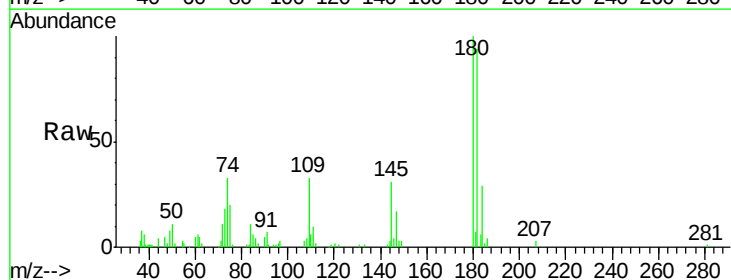
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.541 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017756.D
 Acq: 28 Dec 2020 11:01

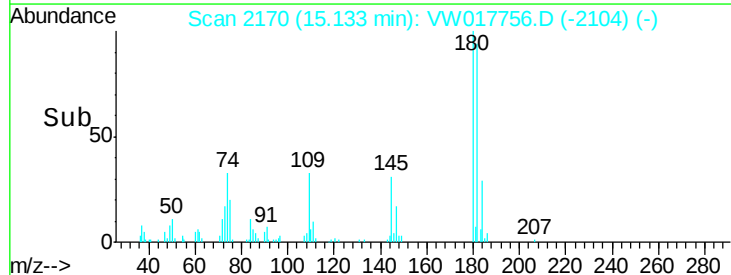
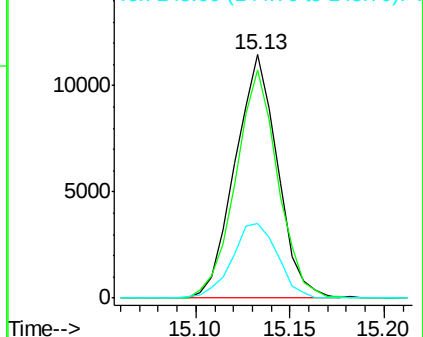
Tgt Ion:	180	Resp:	17901
Ion	Ratio	Lower	Upper
180	100		
182	92.9	72.3	108.5
145	33.0	25.6	38.4

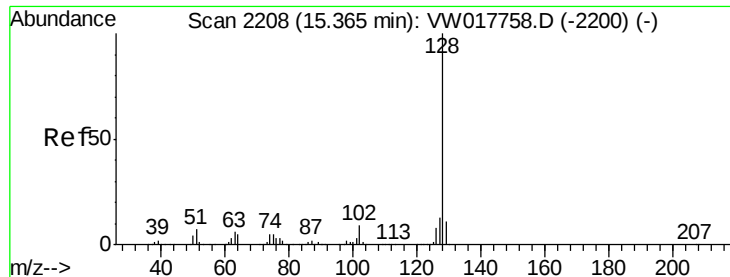


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

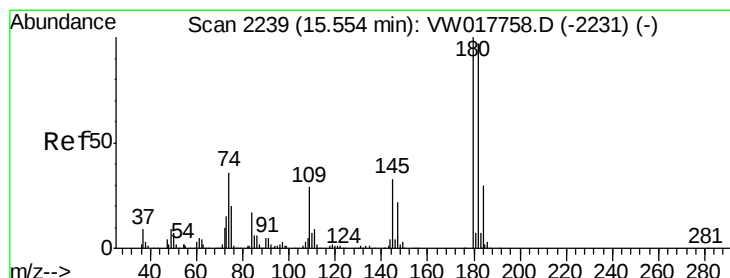
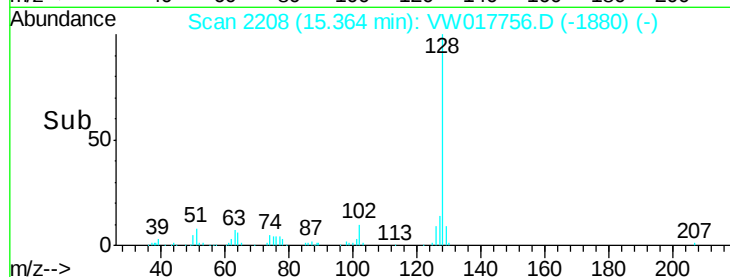
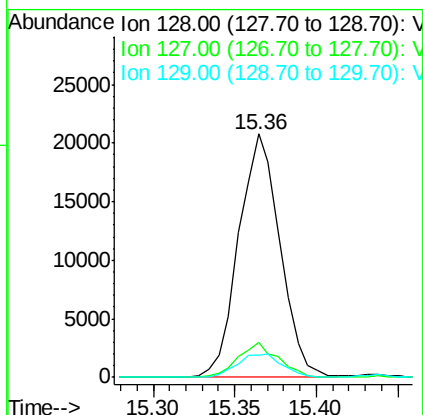
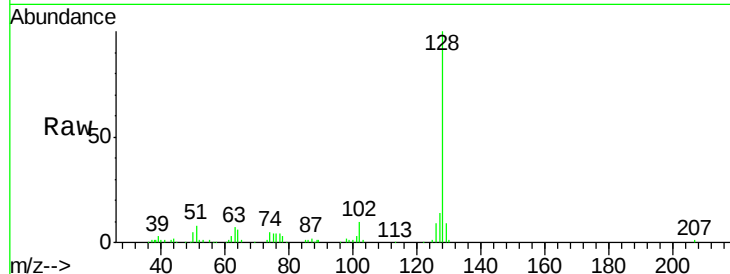




#71
Naphthalene
Concen: 2.957 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

Tgt Ion:128 Resp: 36662
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.5 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.651 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW017756.D
Acq: 28 Dec 2020 11:01

Tgt Ion:180 Resp: 16219
Ion Ratio Lower Upper
180 100
182 91.4 74.5 111.7
145 32.9 27.1 40.7

