

Data File : VW017226.D
Acq On : 15 Nov 2020 09:27
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Quant Time: Nov 16 09:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 09:41:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	417370	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	377104	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188256	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	129121	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
7) Chloroethane-d5	2.89	69	112671	27.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.24%
10) 1,1-Dichloroethene-d2	4.02	63	240905	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.48%
20) 2-Butanone-d5	7.08	46	60974	51.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.74%
24) Chloroform-d	7.65	84	283649	29.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.44%
26) 1,2-Dichloroethane-d4	8.31	65	137755	28.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.76%
29) Benzene-d6	8.27	84	530012	27.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.40%
33) 1,2-Dichloropropane-d6	9.27	67	150350	28.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.24%
37) Toluene-d8	10.32	98	497916	27.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.00%
38) trans-1,3-Dichloropropene-	10.58	79	64340	26.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.48%
39) 2-Hexanone-d5	10.93	63	49386	53.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129553	28.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	195661	29.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	85734	20.474 ug/L	93
3) Chloromethane	2.21	50	84326	22.188 ug/L	99
5) Vinyl chloride	2.37	62	138124	24.780 ug/L	99
6) Bromomethane	2.78	94	97100	25.189 ug/L	97
8) Chloroethane	2.93	64	86915	25.842 ug/L	94
9) Trichlorofluoromethane	3.26	101	123095	27.152 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	138579	25.723 ug/L	100
12) 1,1-Dichloroethene	4.04	96	127937	24.698 ug/L	92
13) Acetone	4.14	43	33897	43.063 ug/L	99
14) Carbon disulfide	4.39	76	305348	21.660 ug/L	98
15) Methyl Acetate	4.68	43	38812	19.893 ug/L	95
16) Methylene chloride	4.92	84	128312	22.803 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	161359	25.509 ug/L #	92
18) trans-1,2-Dichloroethene	5.43	96	129293	24.112 ug/L	96
19) 1,1-Dichloroethane	6.22	63	216466	25.480 ug/L	98
21) 2-Butanone	7.18	43	53243	42.125 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	142070	25.058 ug/L	97

Data File : VW017226.D
Acq On : 15 Nov 2020 09:27
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

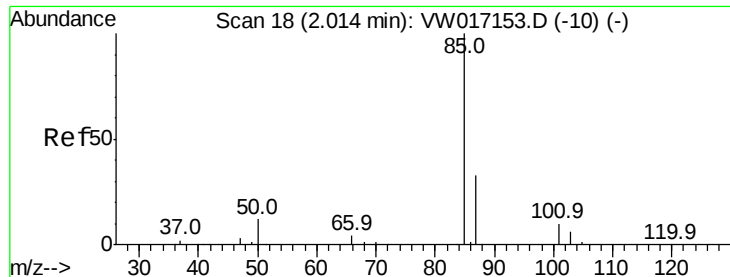
Quant Time: Nov 16 09:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 09:41:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66060	24.200	ug/L	98
25) Chloroform	7.68	83	239735	25.919	ug/L	100
27) 1,2-Dichloroethane	8.40	62	142343	25.681	ug/L	96
30) Cyclohexane	7.96	56	170299	23.985	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	215513	27.907	ug/L	99
32) Carbon tetrachloride	8.07	117	202699	27.202	ug/L	99
34) Benzene	8.32	78	496296	25.063	ug/L	100
35) Trichloroethene	9.09	95	139517	25.152	ug/L	99
36) Methylcyclohexane	9.34	83	221728	24.842	ug/L	99
40) 1,2-Dichloropropane	9.37	63	115607	24.975	ug/L	99
41) Bromodichloromethane	9.65	83	168790	26.365	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	188898	25.764	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	118529	41.504	ug/L	99
44) Toluene	10.39	91	559109	25.652	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	163164	25.914	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	96475	24.174	ug/L	99
47) Tetrachloroethene	10.87	164	126885	25.354	ug/L	92
49) 2-Hexanone	10.97	43	79343	46.084	ug/L	96
50) Dibromochloromethane	11.13	129	120691	24.822	ug/L	95
51) 1,2-Dibromoethane	11.24	107	92074	23.748	ug/L	98
52) Chlorobenzene	11.66	112	366824	24.883	ug/L	95
53) Ethylbenzene	11.73	91	639045	26.249	ug/L	97
54) m,p-Xylene	11.84	106	245921	25.823	ug/L	100
55) o-xylene	12.17	106	233388	25.819	ug/L	99
56) Styrene	12.18	104	398607	26.264	ug/L	98
57) Isopropylbenzene	12.46	105	661397	26.961	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	108479	23.529	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	77164	23.285	ug/L	98
62) Bromoform	12.35	173	70021	24.230	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	296189	25.292	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	298528	25.373	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	275456	26.083	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15614	22.362	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	222497	25.783	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	180696	26.239	ug/L	99
69) Naphthalene	15.37	128	301009	23.752	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	150513	23.920	ug/L	96

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

Quant Time: Nov 16 09:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 09:41:00 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.474 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

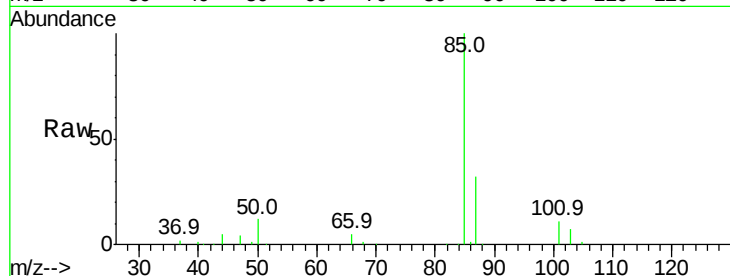
VSTD02528

Tgt Ion: 85 Resp: 85734

Ion Ratio Lower Upper

85 100

87 34.3 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

30000

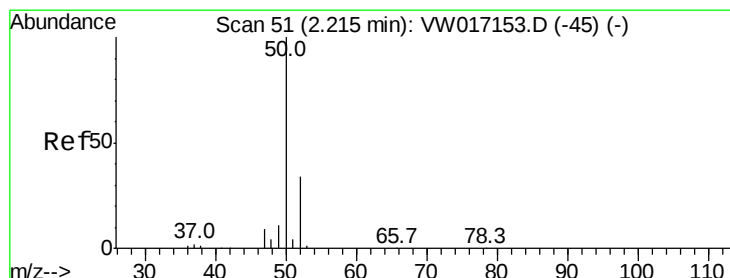
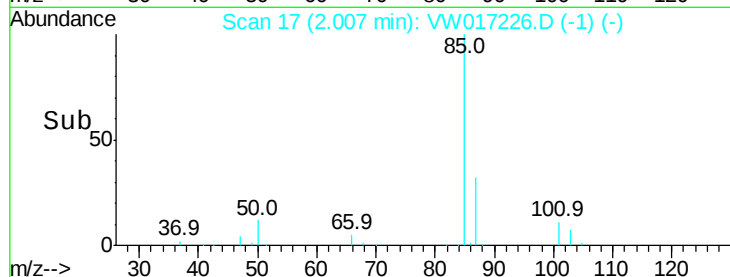
20000

10000

0

1.95 2.00 2.05 2.10

Time-->



#3

Chloromethane

Concen: 22.188 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017226.D

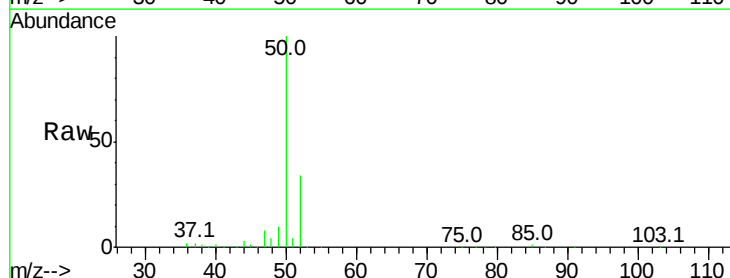
Acq: 15 Nov 2020 09:27

Tgt Ion: 50 Resp: 84326

Ion Ratio Lower Upper

50 100

52 33.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

60000

50000

40000

30000

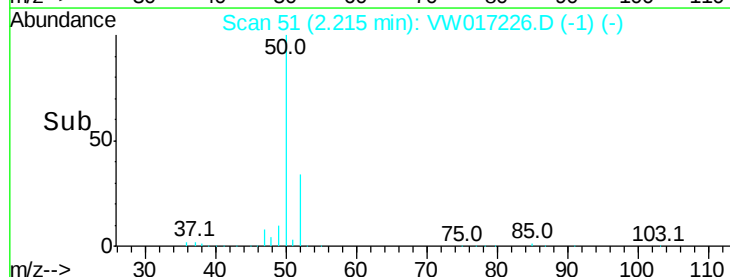
20000

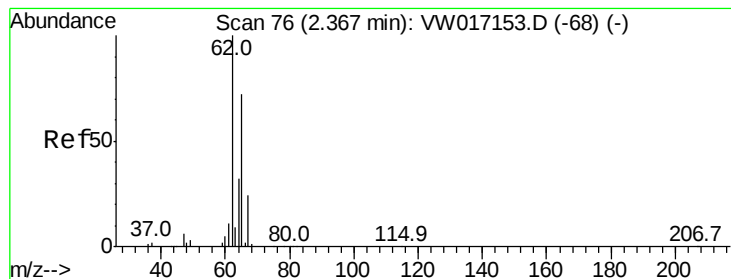
10000

0

2.15 2.20 2.25 2.30

Time-->





#5

Vinyl chloride

Concen: 24.780 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

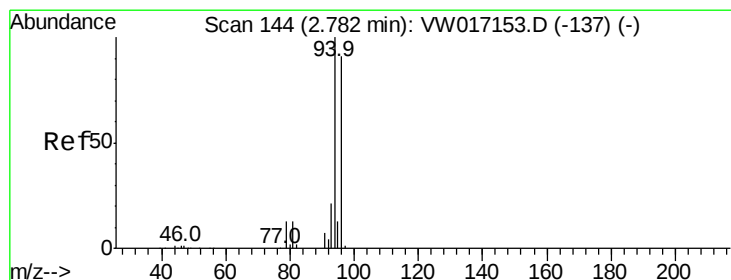
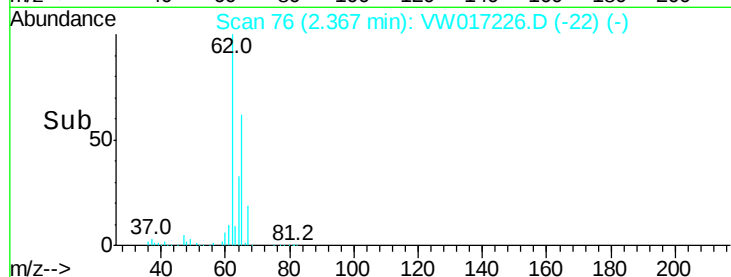
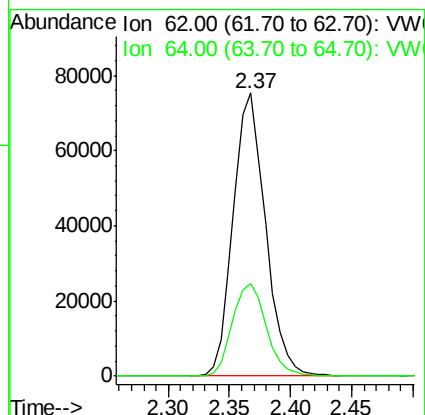
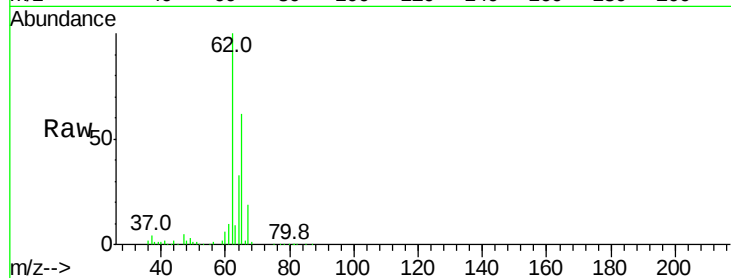
VSTD02528

Tgt Ion: 62 Resp: 138124

Ion Ratio Lower Upper

62 100

64 32.8 23.3 43.3



#6

Bromomethane

Concen: 25.189 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017226.D

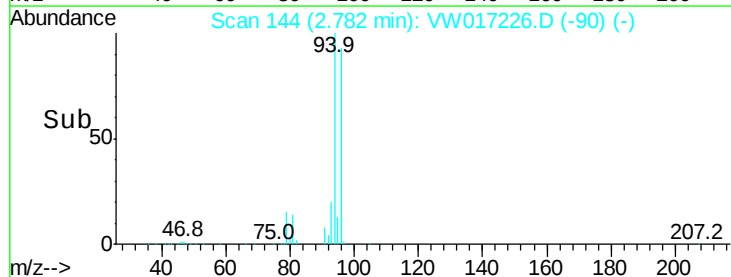
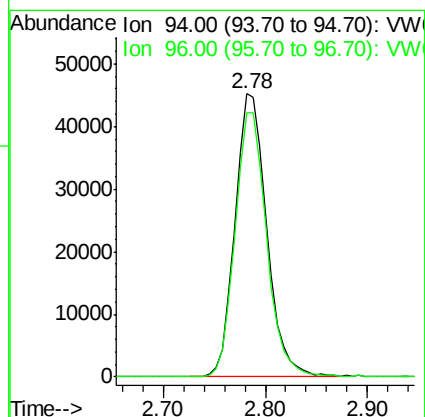
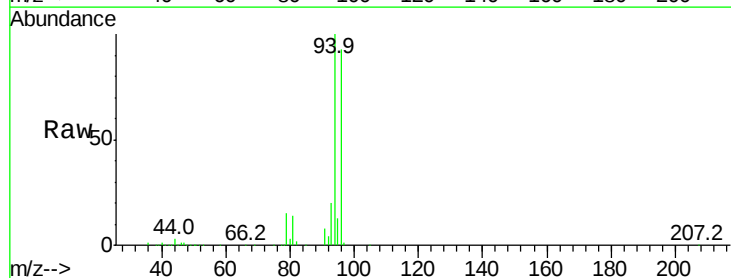
Acq: 15 Nov 2020 09:27

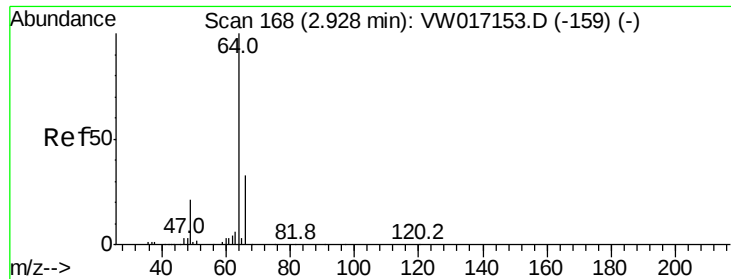
Tgt Ion: 94 Resp: 97100

Ion Ratio Lower Upper

94 100

96 93.2 9.6 181.8





#8

Chloroethane

Concen: 25.842 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

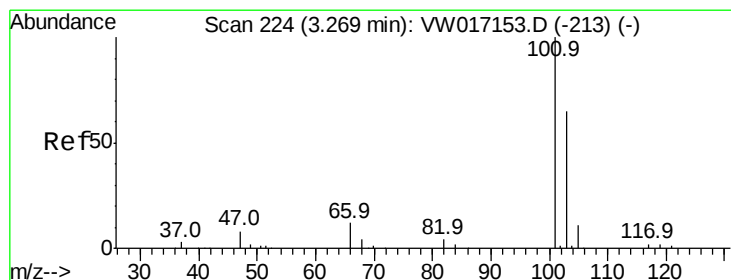
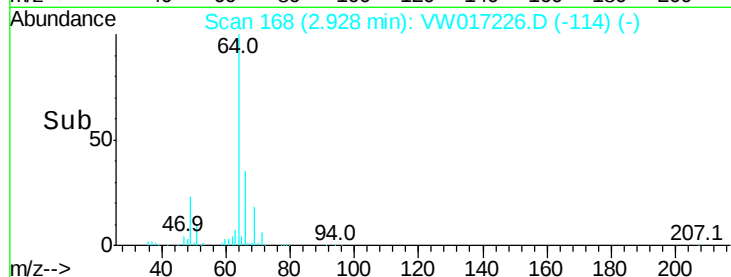
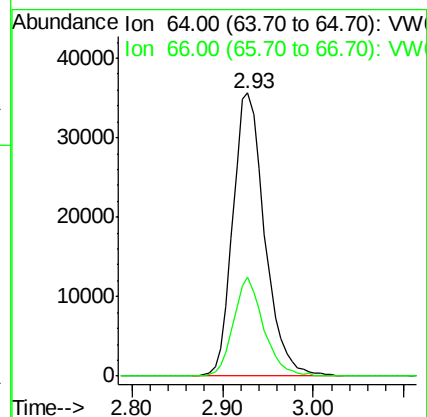
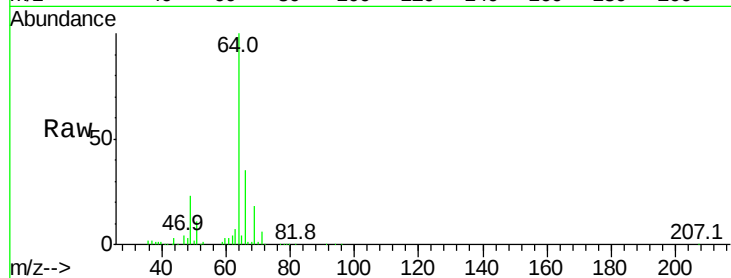
VSTD02528

Tgt Ion: 64 Resp: 86915

Ion Ratio Lower Upper

64 100

66 35.0 22.3 41.5



#9

Trichlorofluoromethane

Concen: 27.152 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017226.D

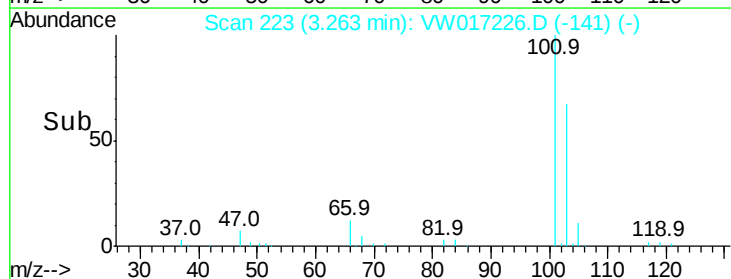
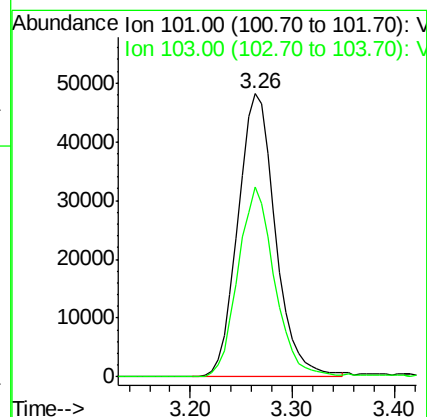
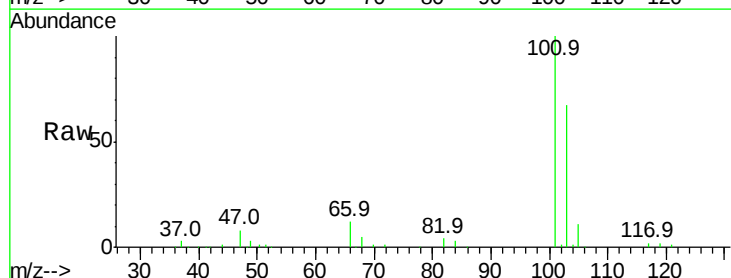
Acq: 15 Nov 2020 09:27

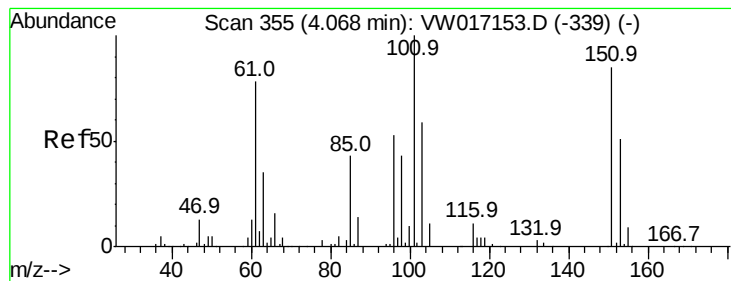
Tgt Ion: 101 Resp: 123095

Ion Ratio Lower Upper

101 100

103 65.0 45.4 84.2





#11

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

Concen: 25.723 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

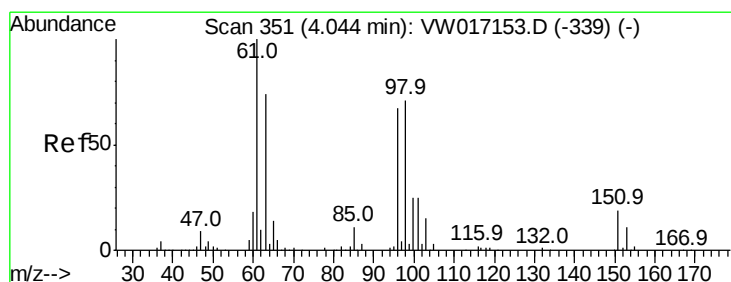
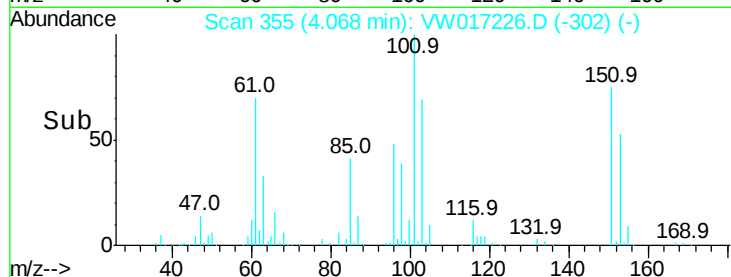
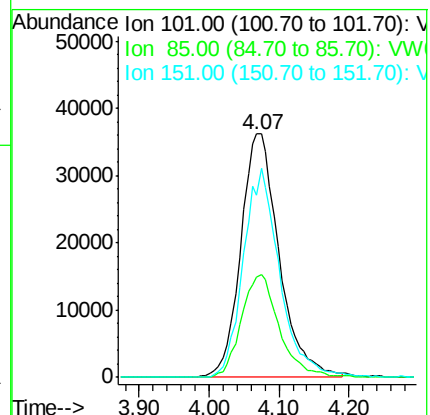
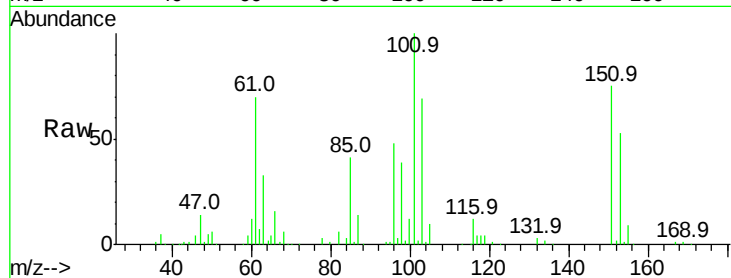
Tgt Ion: 101 Resp: 138579

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

151 81.4 65.4 98.2



#12

1,1-Dichloroethene

Concen: 24.698 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

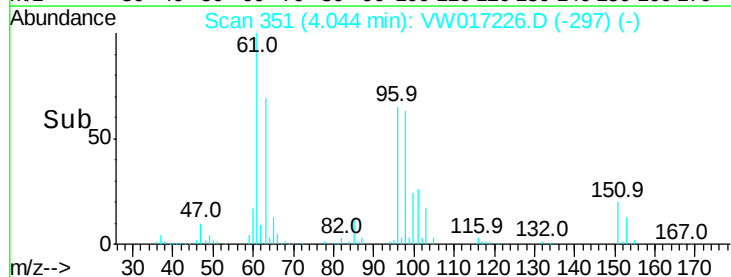
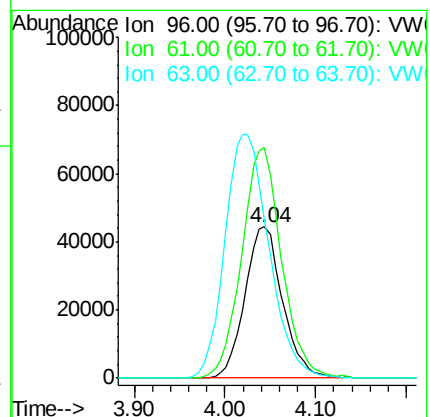
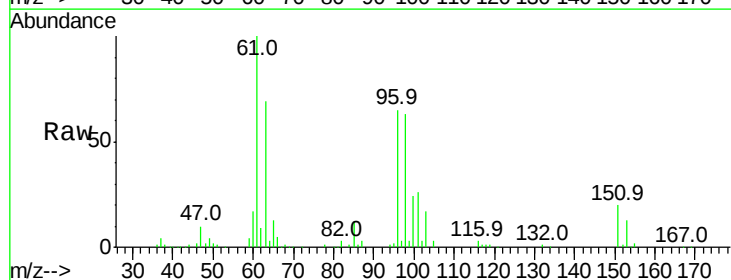
Tgt Ion: 96 Resp: 127937

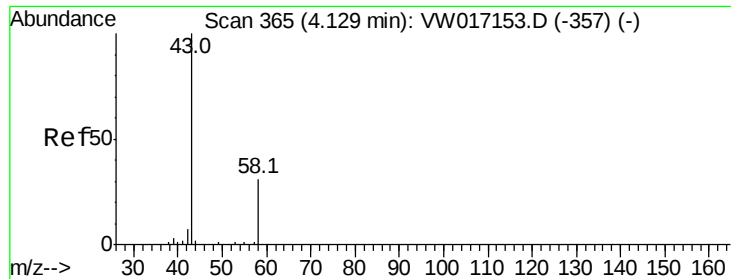
Ion Ratio Lower Upper

96 100

61 152.7 103.8 192.8

63 105.1 84.4 156.7





#13

Acetone

Concen: 43.063 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

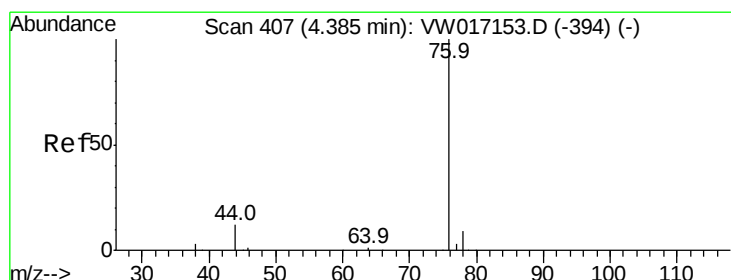
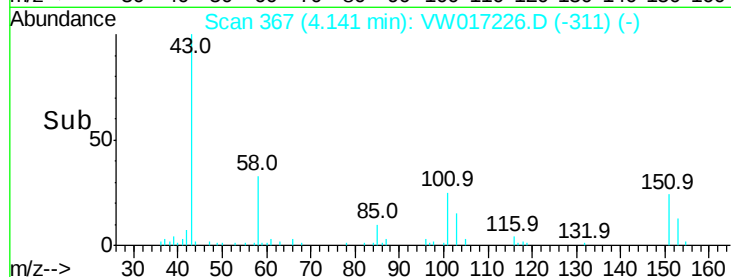
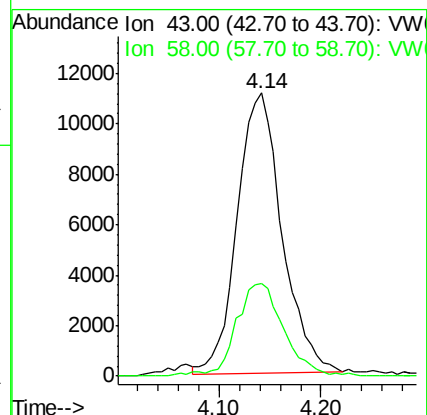
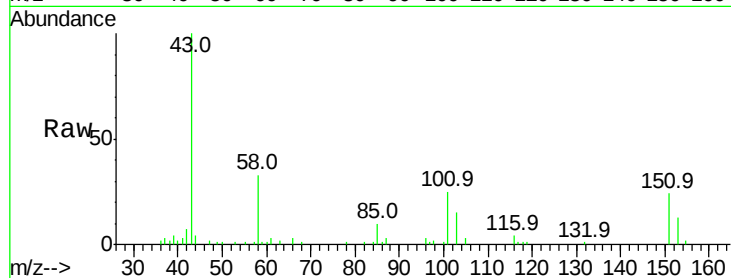
VSTD02528

Tgt Ion: 43 Resp: 33897

Ion Ratio Lower Upper

43 100

58 33.9 0.0 69.2



#14

Carbon disulfide

Concen: 21.660 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017226.D

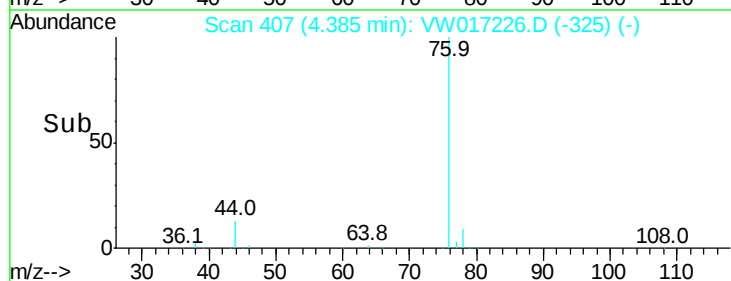
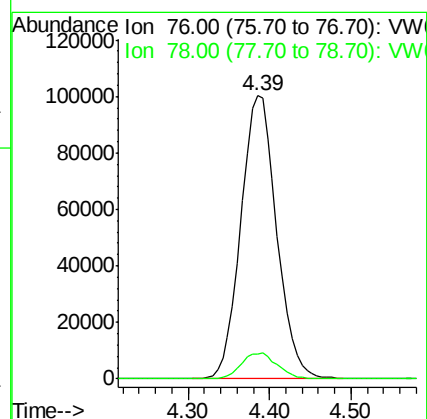
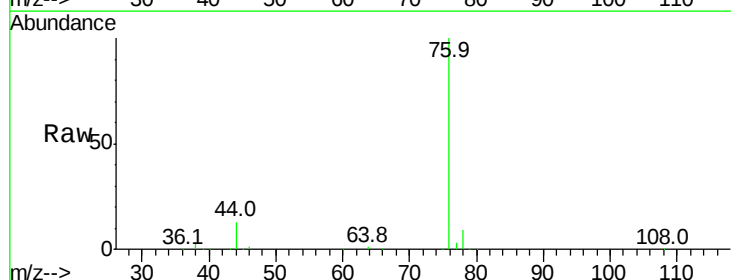
Acq: 15 Nov 2020 09:27

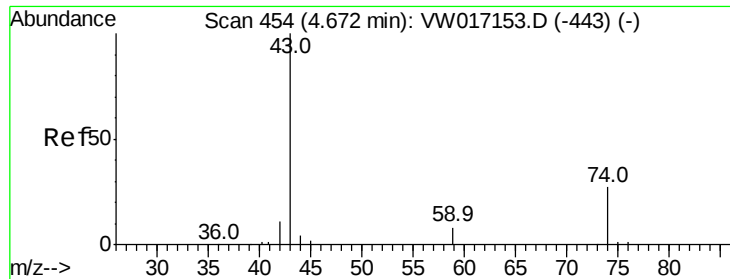
Tgt Ion: 76 Resp: 305348

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

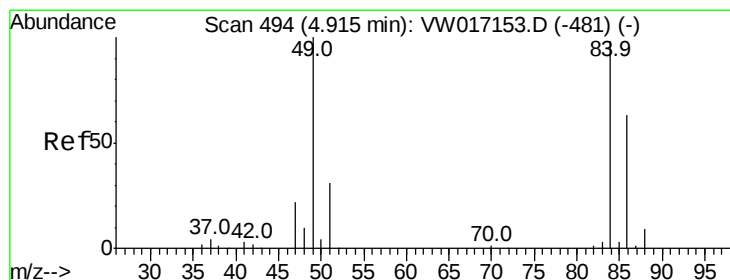
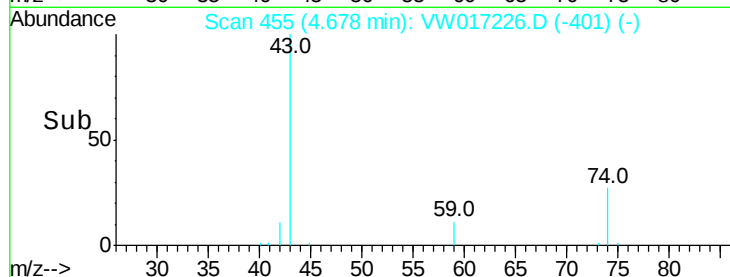
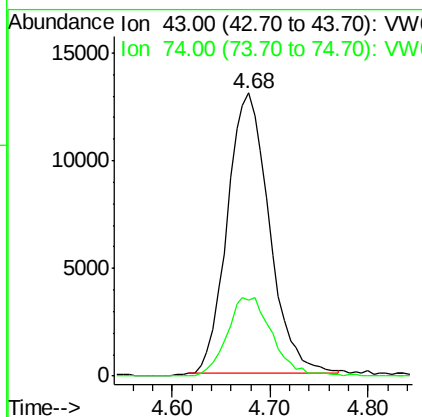
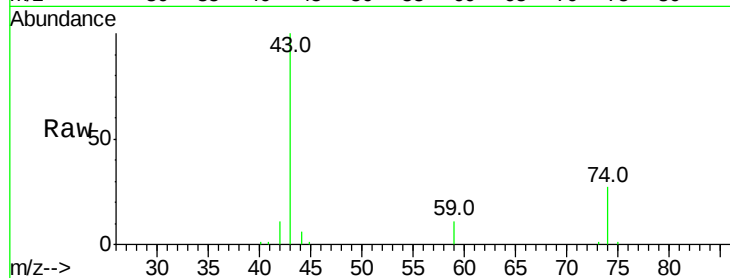




#15
Methyl Acetate
Concen: 19.893 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

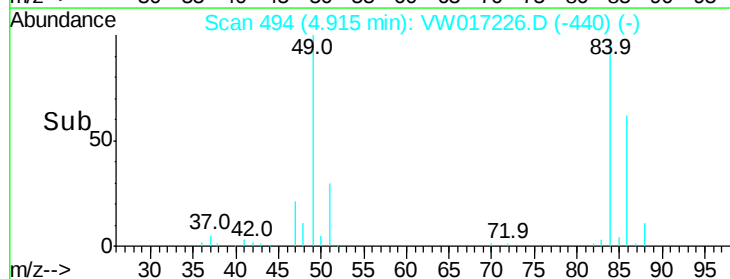
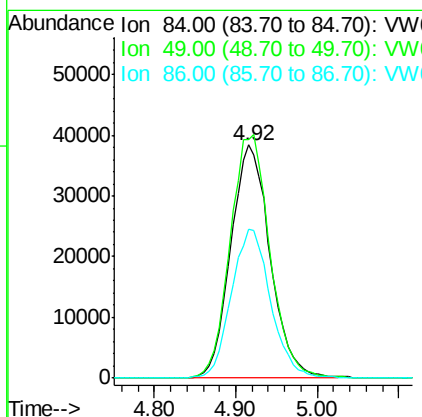
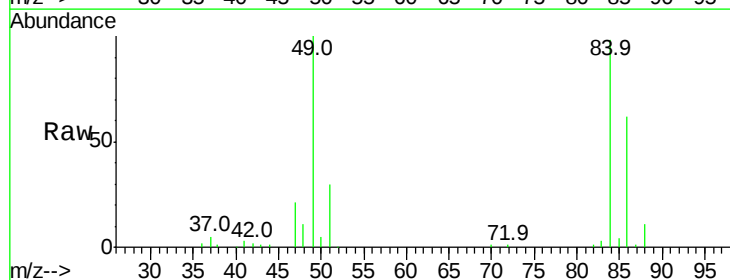
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

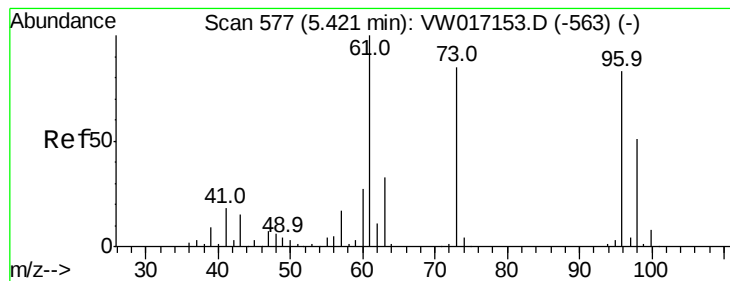
Tgt Ion: 43 Resp: 38812
Ion Ratio Lower Upper
43 100
74 29.6 21.5 32.3



#16
Methylene chloride
Concen: 22.803 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Tgt Ion: 84 Resp: 128312
Ion Ratio Lower Upper
84 100
49 102.2 72.3 134.3
86 63.8 45.1 83.7





#17

Methyl tert-butyl Ether

Concen: 25.509 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

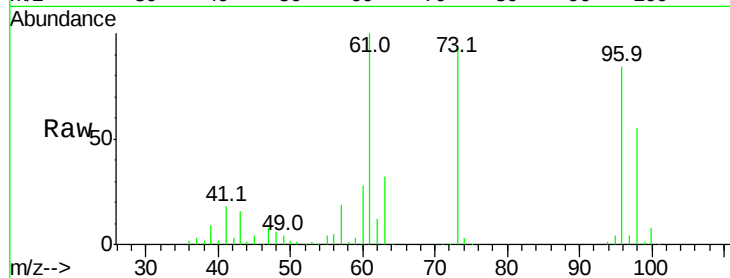
Tgt Ion: 73 Resp: 161359

Ion Ratio Lower Upper

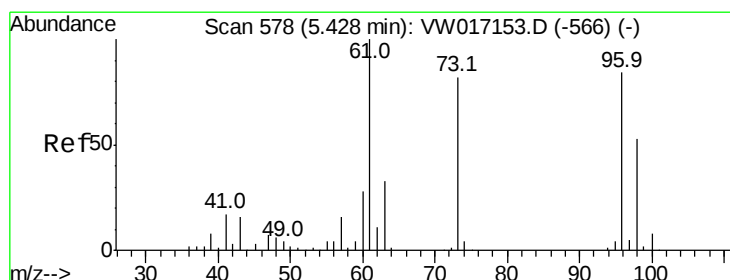
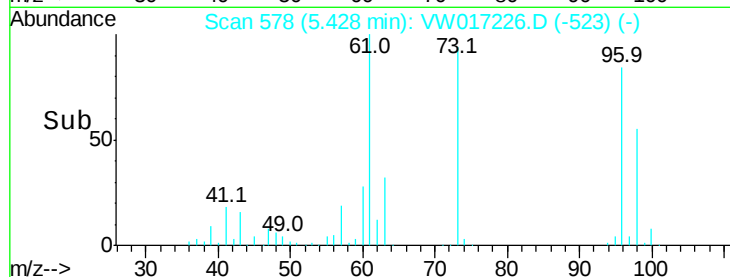
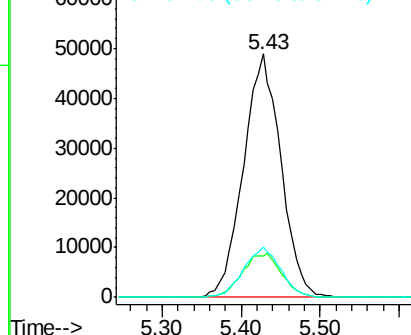
73 100

43 10.9 14.5 21.7#

57 20.4 16.3 24.5



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



#18

trans-1,2-Dichloroethene

Concen: 24.112 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

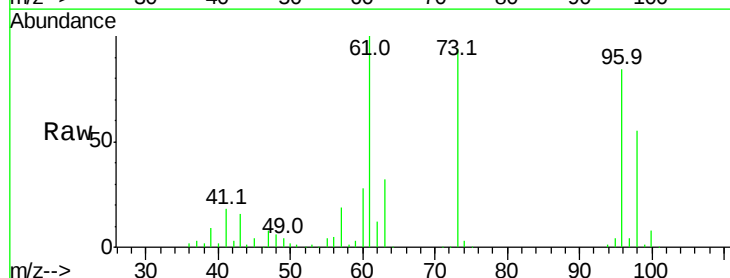
Tgt Ion: 96 Resp: 129293

Ion Ratio Lower Upper

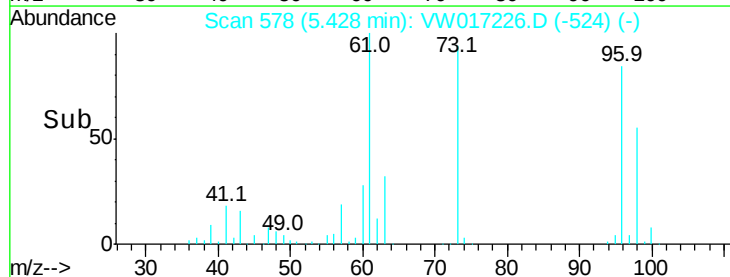
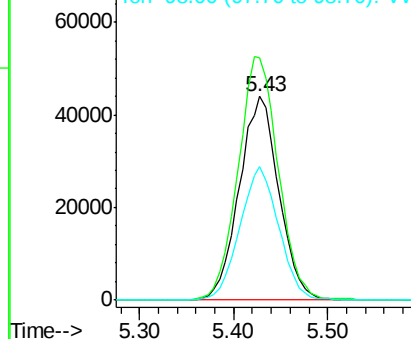
96 100

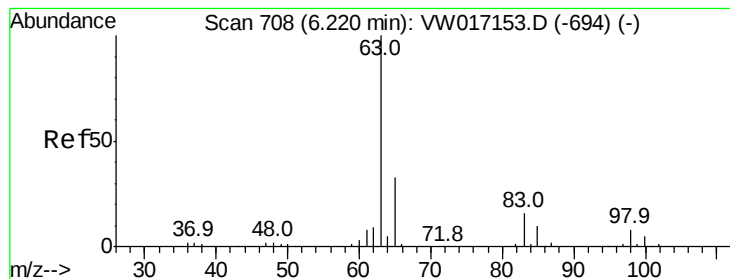
61 118.9 86.8 161.2

98 65.4 44.4 82.4



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





#19

1,1-Dichloroethane

Concen: 25.480 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

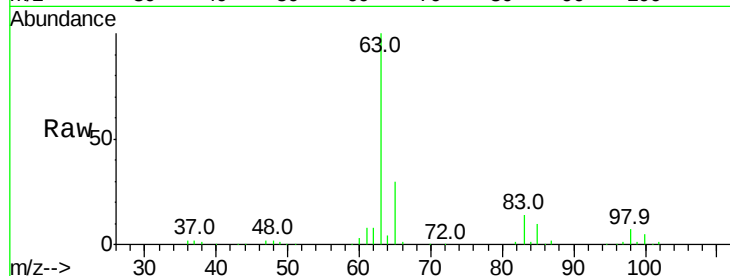
Tgt Ion: 63 Resp: 216466

Ion Ratio Lower Upper

63 100

65 29.8 22.1 41.1

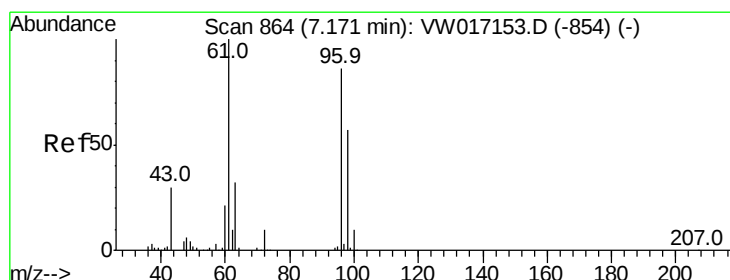
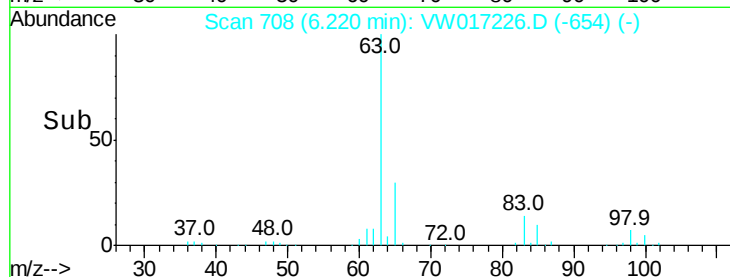
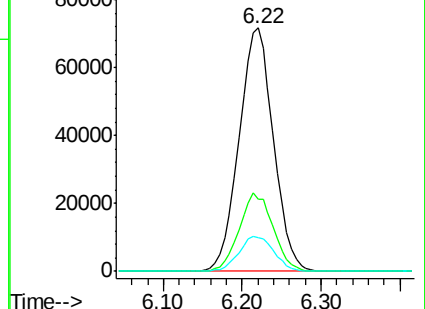
83 14.0 10.0 18.6



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



#21

2-Butanone

Concen: 42.125 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017226.D

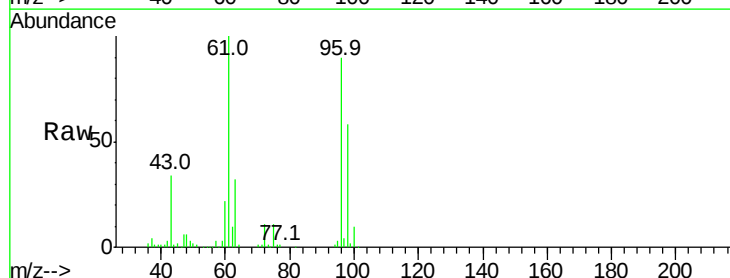
Acq: 15 Nov 2020 09:27

Tgt Ion: 43 Resp: 53243

Ion Ratio Lower Upper

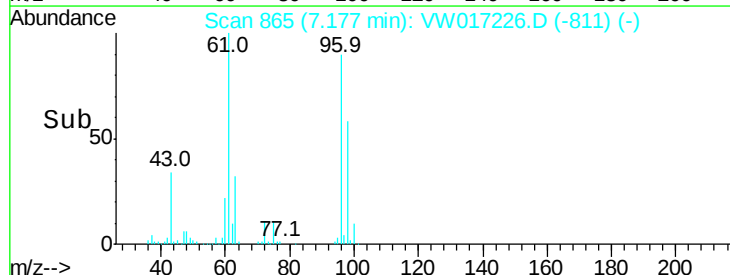
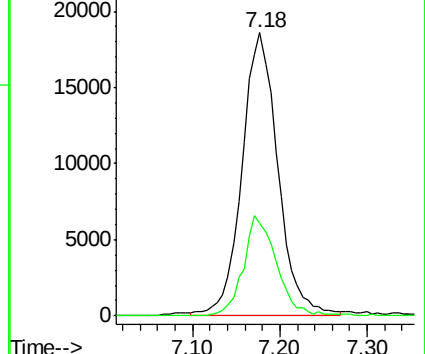
43 100

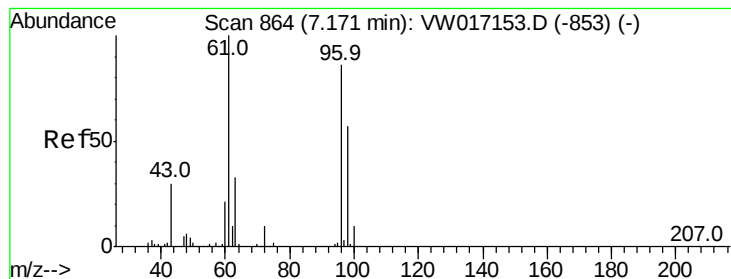
72 32.0 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



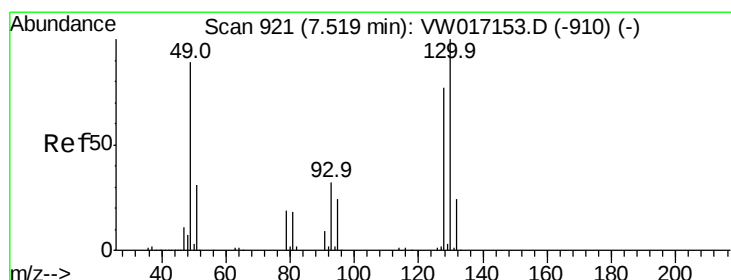
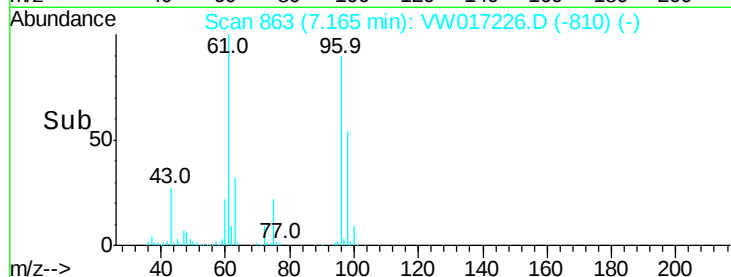
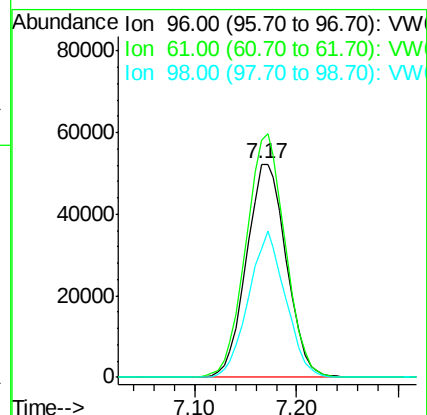
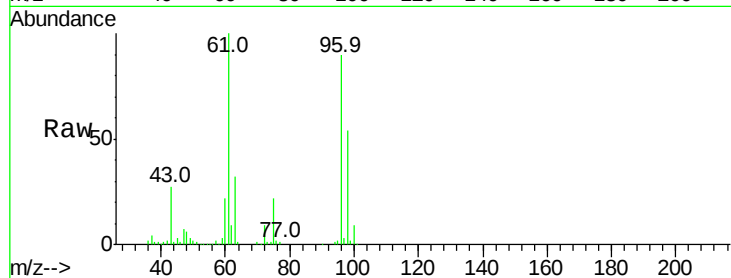


#22

cis-1,2-Dichloroethene
Concen: 25.058 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

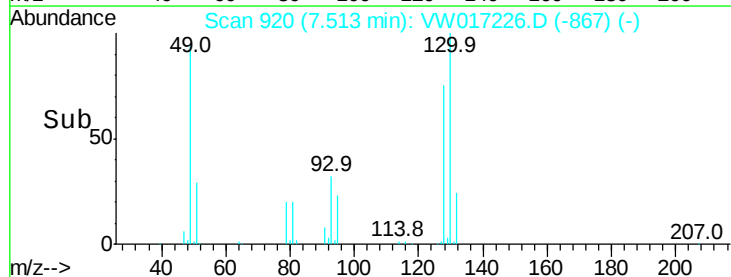
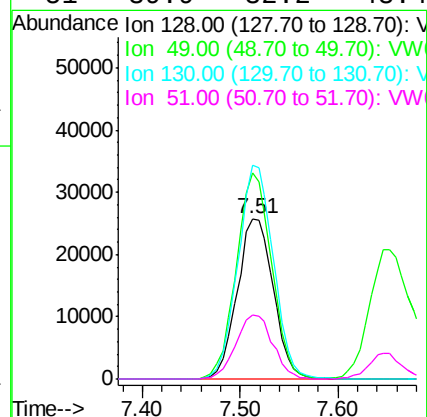
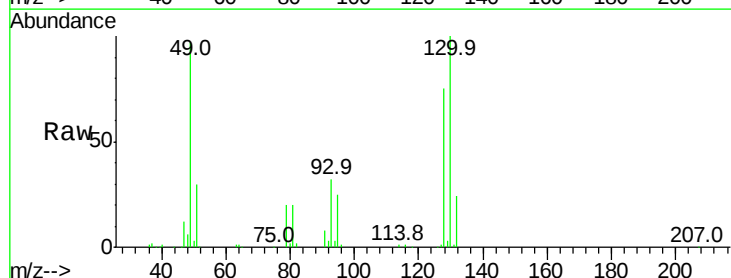
Tgt Ion: 96 Resp: 142070
Ion Ratio Lower Upper
96 100
61 111.6 77.4 143.8
98 60.2 45.1 83.7

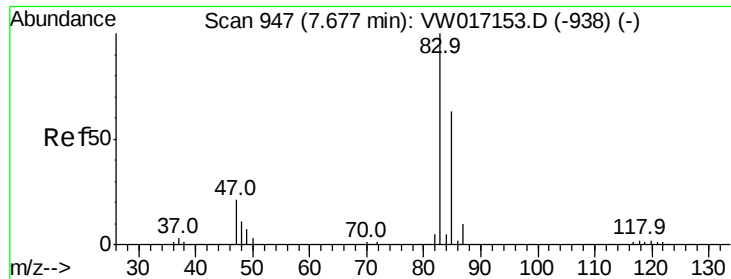


#23

Bromochloromethane
Concen: 24.200 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Tgt Ion: 128 Resp: 66060
Ion Ratio Lower Upper
128 100
49 128.8 88.3 163.9
130 133.1 95.6 177.6
51 39.9 32.2 48.4

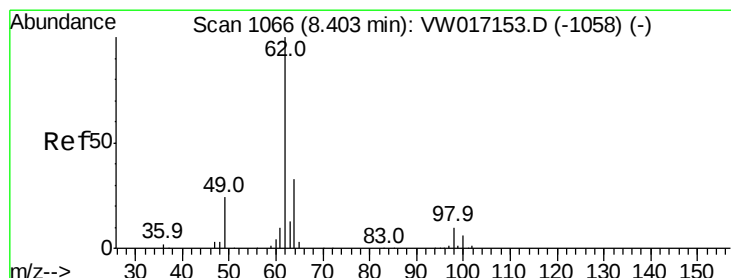
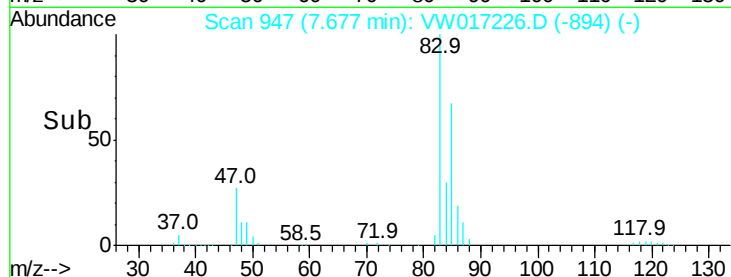
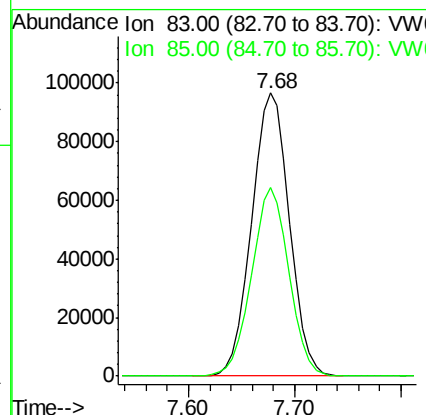
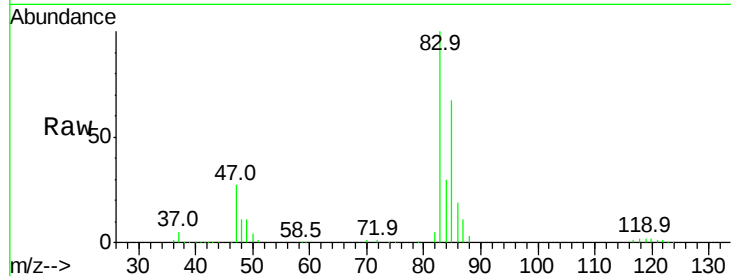




#25
Chloroform
Concen: 25.919 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

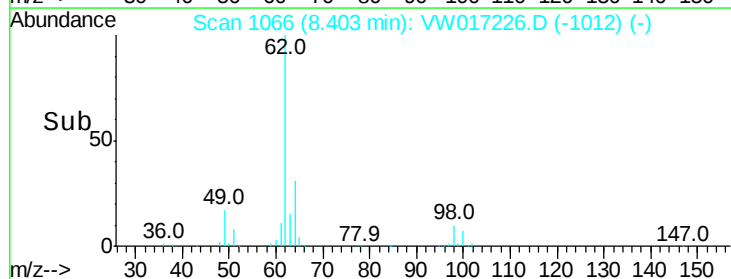
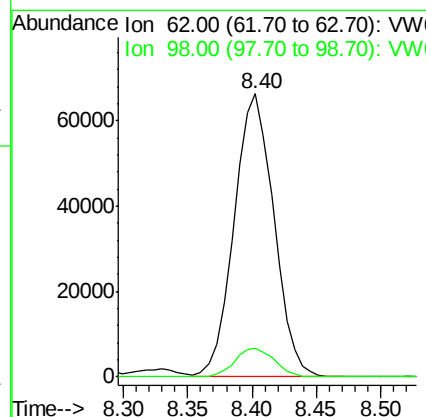
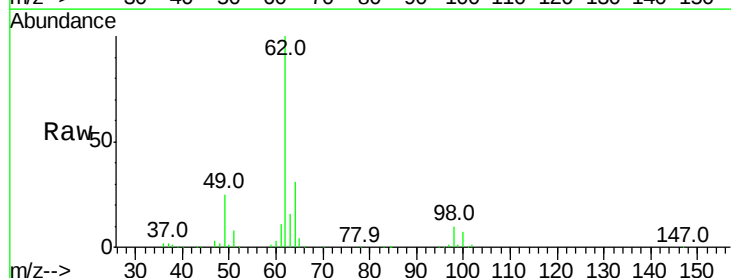
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

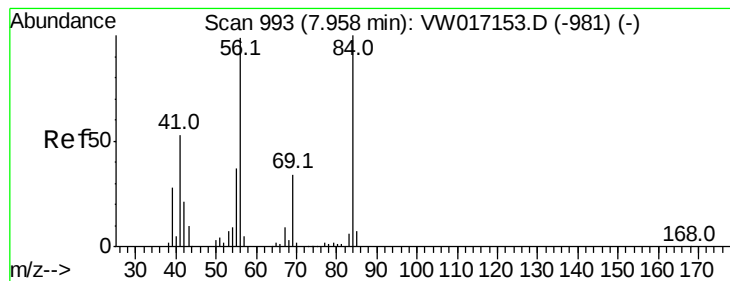
Tgt Ion: 83 Resp: 239735
Ion Ratio Lower Upper
83 100
85 66.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 25.681 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Tgt Ion: 62 Resp: 142343
Ion Ratio Lower Upper
62 100
98 10.2 9.4 14.0





#30

Cyclohexane

Concen: 23.985 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

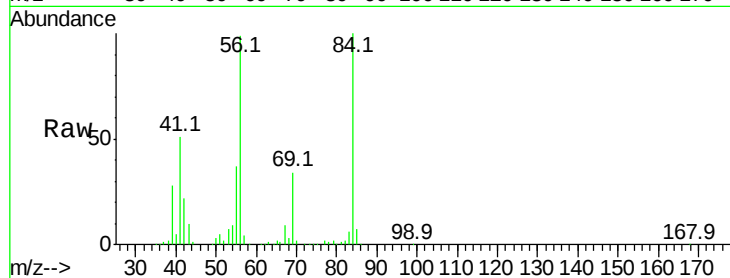
Tgt Ion: 56 Resp: 170299

Ion Ratio Lower Upper

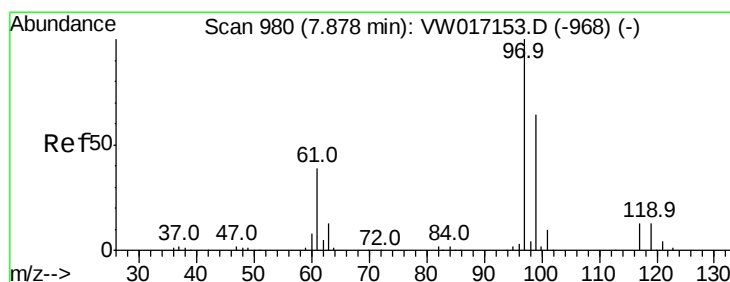
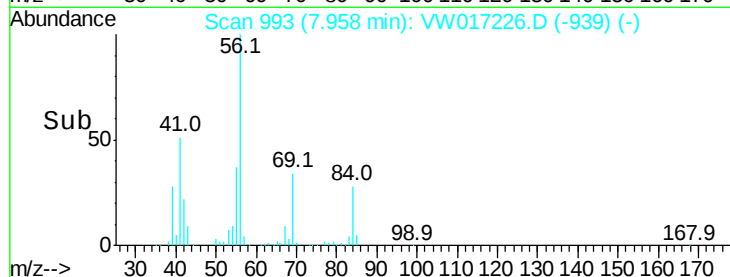
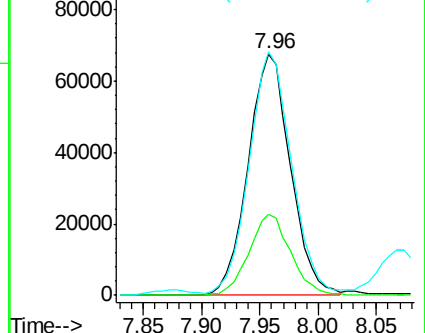
56 100

69 33.4 26.1 39.1

84 101.6 79.1 118.7



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



#31

1,1,1-Trichloroethane

Concen: 27.907 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

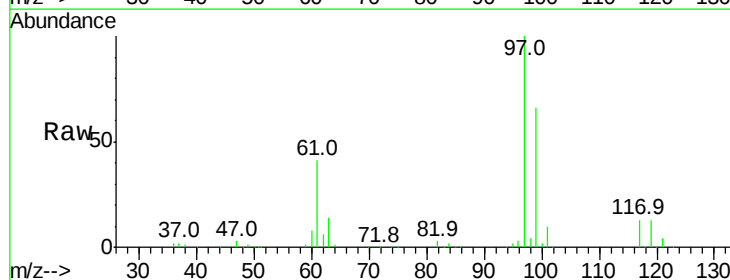
Tgt Ion: 97 Resp: 215513

Ion Ratio Lower Upper

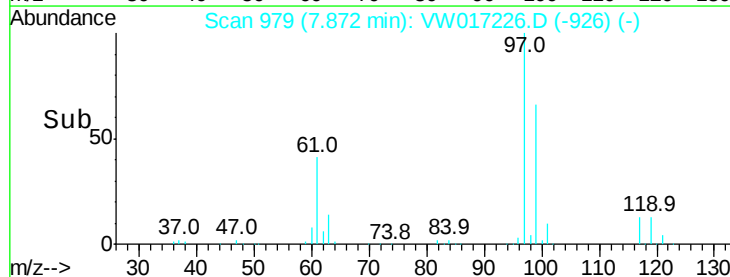
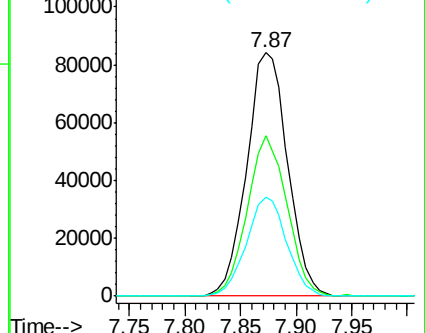
97 100

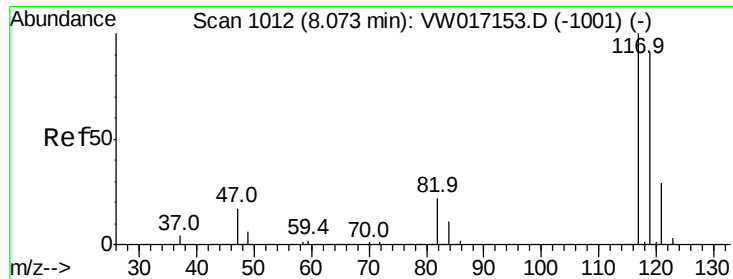
99 63.8 51.4 77.0

61 40.2 31.6 47.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW

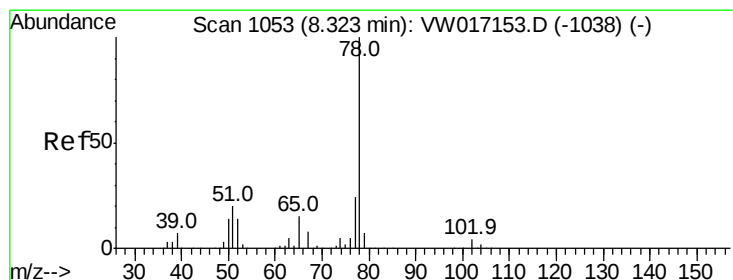
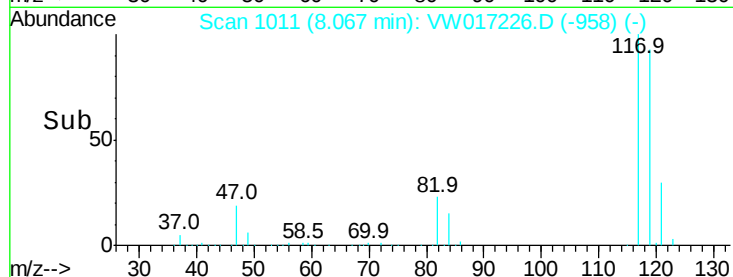
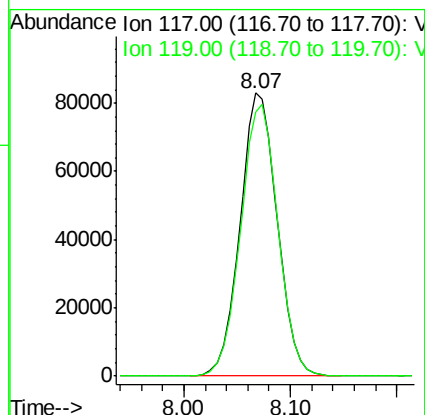
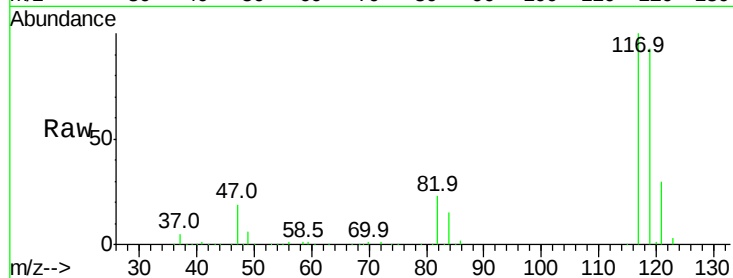




#32
Carbon tetrachloride
Concen: 27.202 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

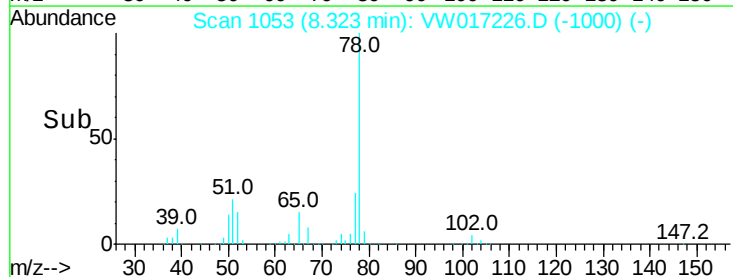
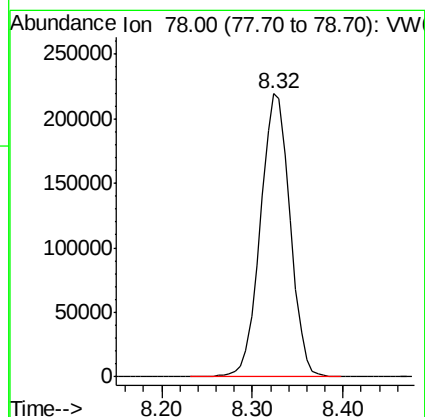
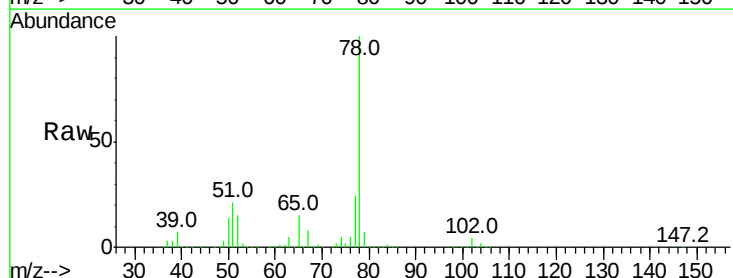
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

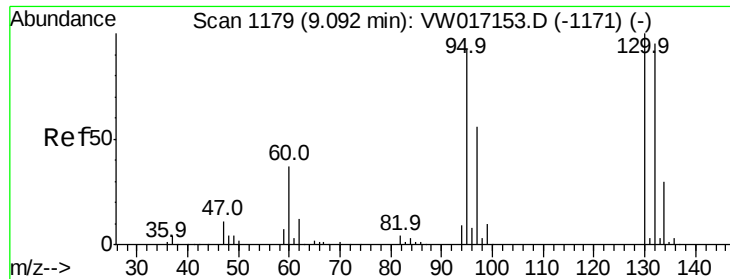
Tgt Ion:117 Resp: 202699
Ion Ratio Lower Upper
117 100
119 96.6 77.7 116.5



#34
Benzene
Concen: 25.063 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Tgt Ion: 78 Resp: 496296

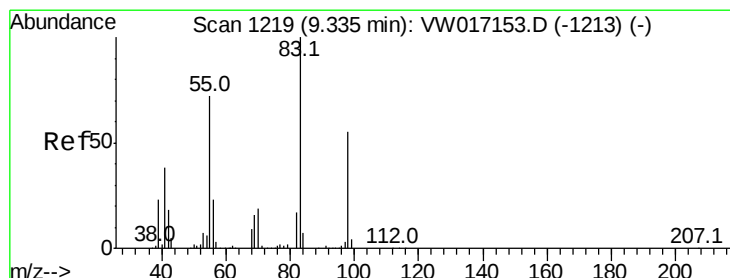
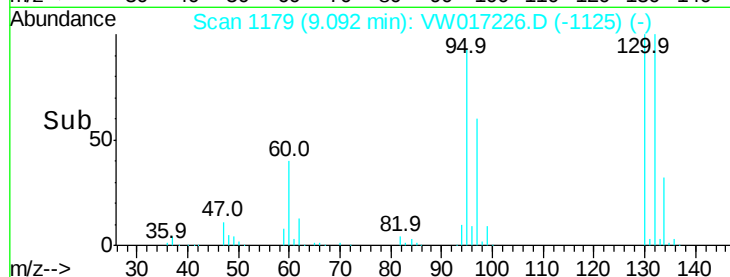
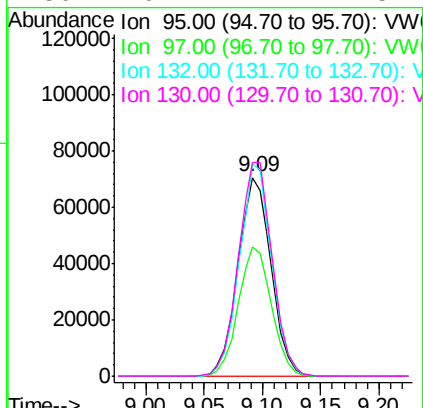
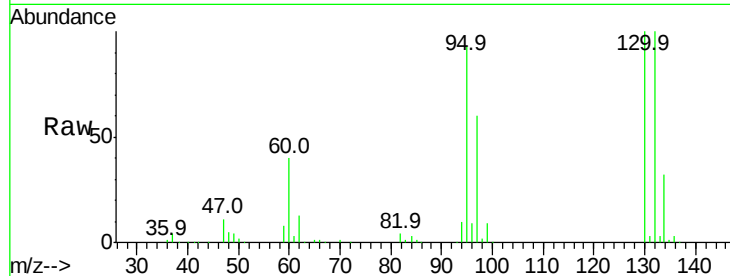




#35
 Trichloroethene
 Concen: 25.152 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

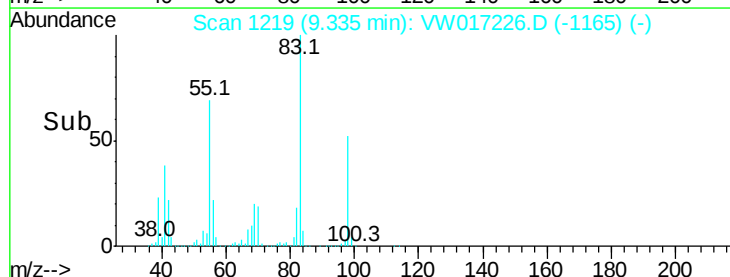
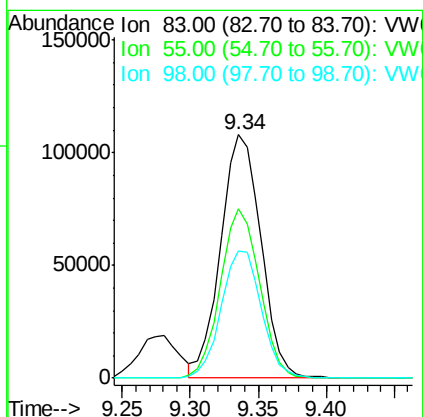
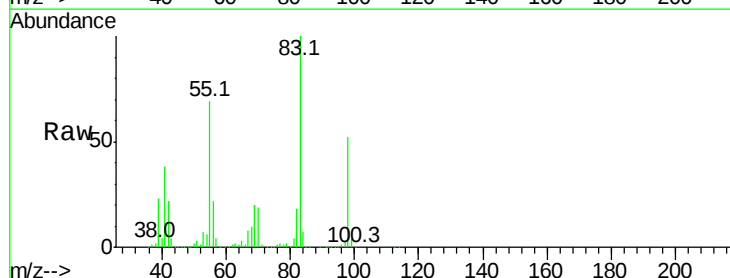
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

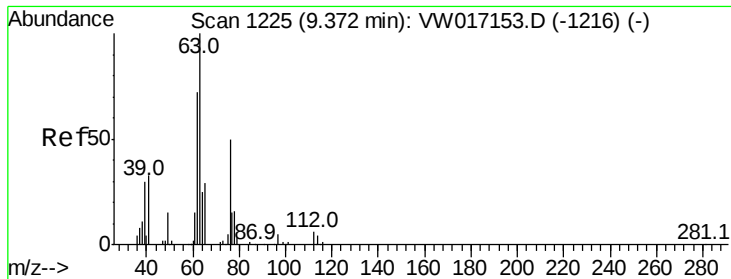
Tgt Ion:	95	Resp:	139517
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.0	83.6
132	104.5	73.7	136.9
130	110.2	77.1	143.1



#36
 Methylcyclohexane
 Concen: 24.842 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion:	83	Resp:	221728
Ion	Ratio	Lower	Upper
83	100		
55	67.9	54.4	81.6
98	52.3	40.5	60.7

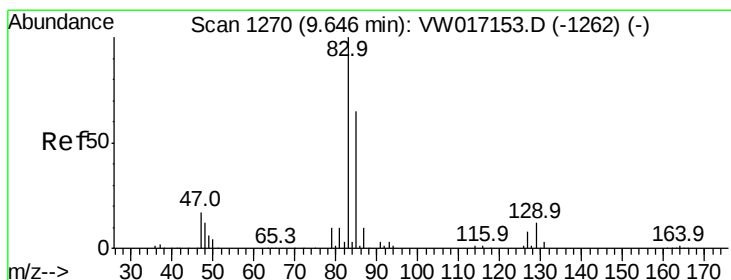
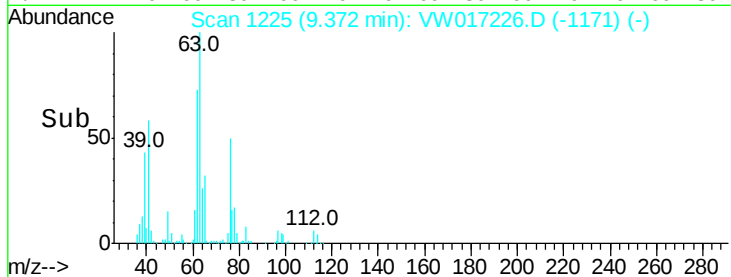
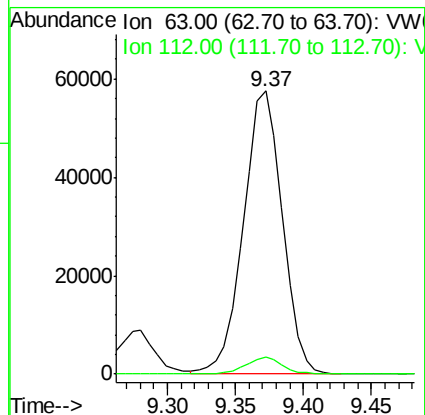
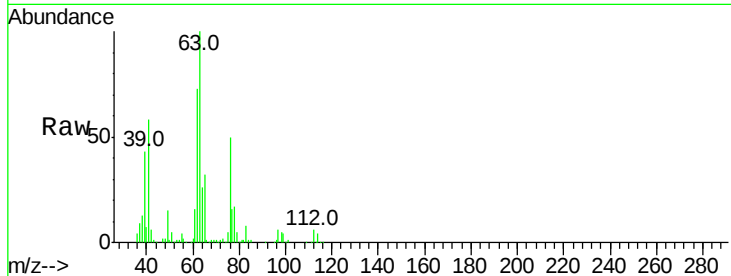




#40
 1,2-Dichloropropane
 Concen: 24.975 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

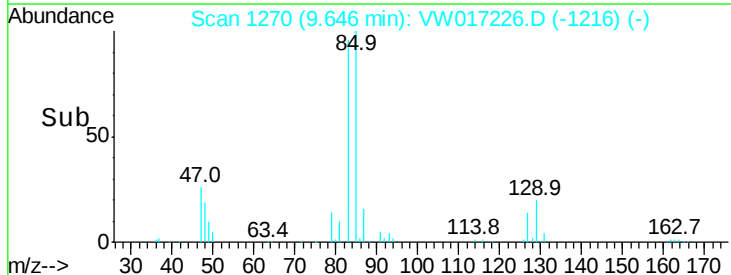
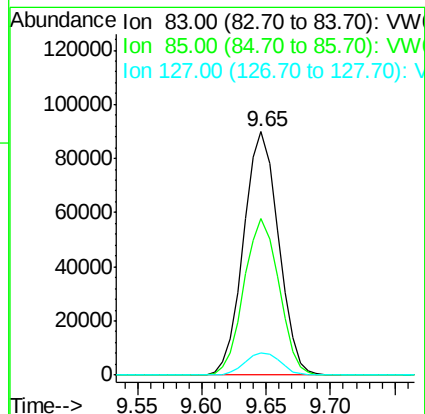
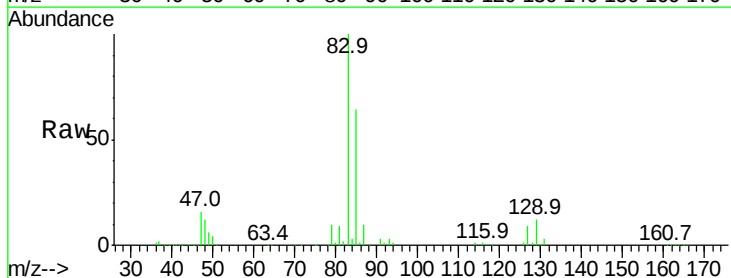
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

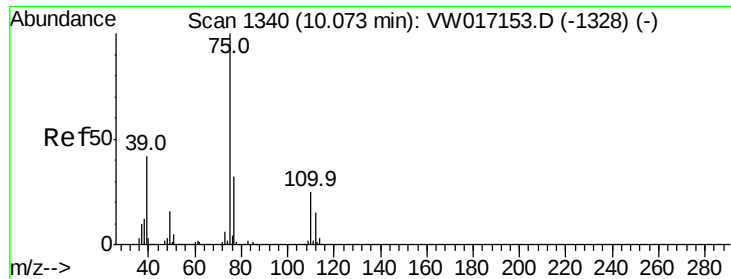
Tgt Ion: 63 Resp: 115607
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.2 6.2



#41
 Bromodichloromethane
 Concen: 26.365 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion: 83 Resp: 168790
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.4 82.4
 127 8.9 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 25.764 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

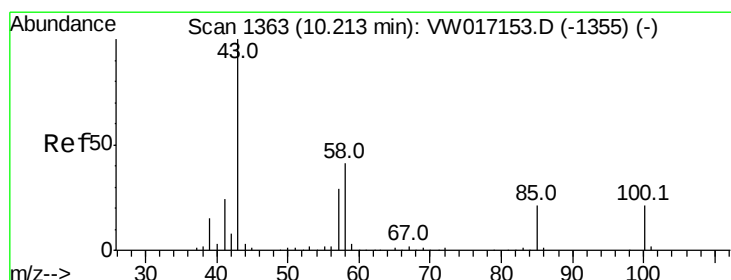
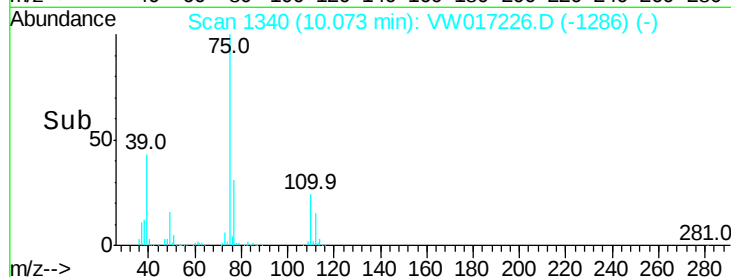
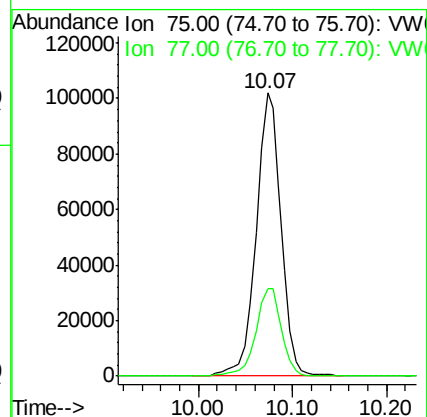
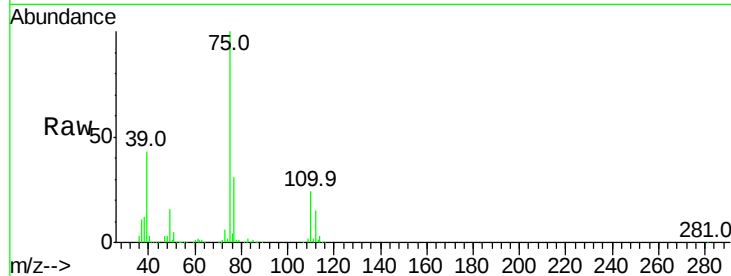
VSTD02528

Tgt Ion: 75 Resp: 188898

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 41.504 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

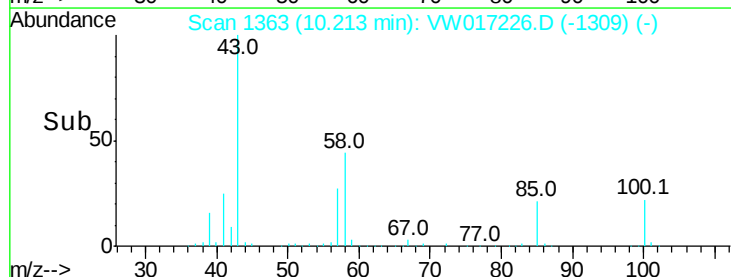
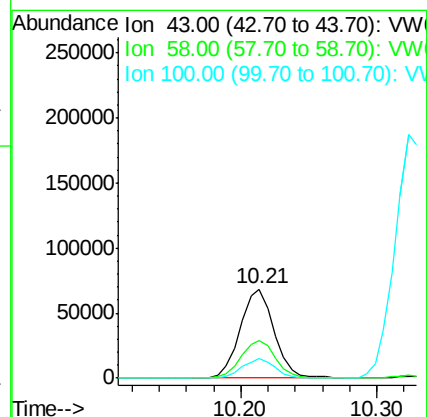
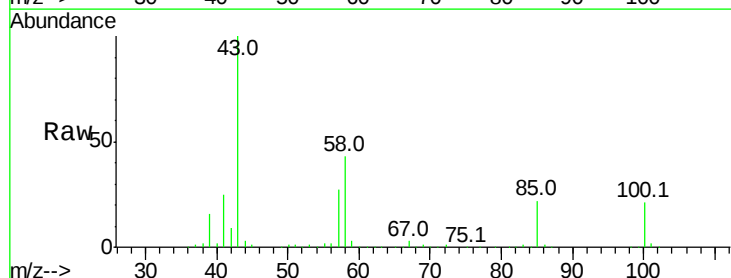
Tgt Ion: 43 Resp: 118529

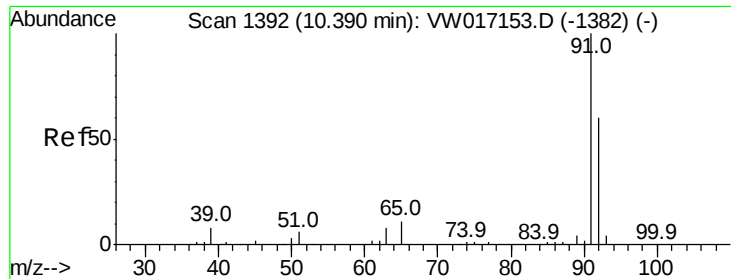
Ion Ratio Lower Upper

43 100

58 43.1 35.0 52.6

100 20.7 16.6 24.8





#44

Toluene

Concen: 25.652 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

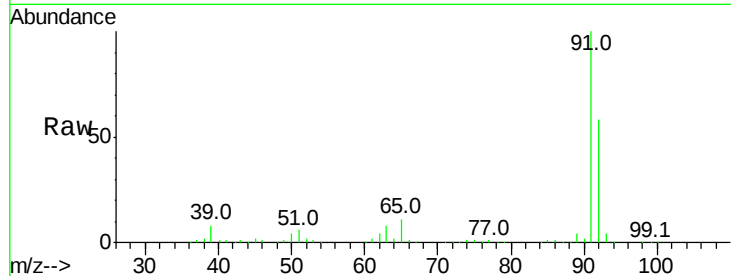
VSTD02528

Tgt Ion: 91 Resp: 559109

Ion Ratio Lower Upper

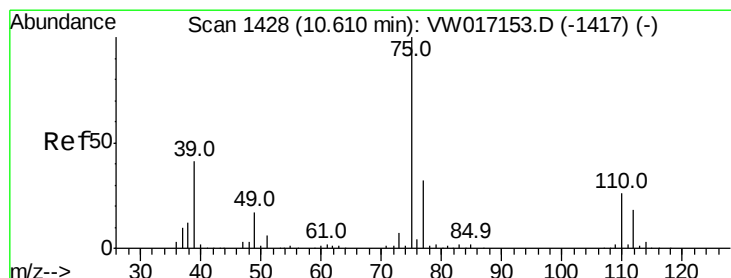
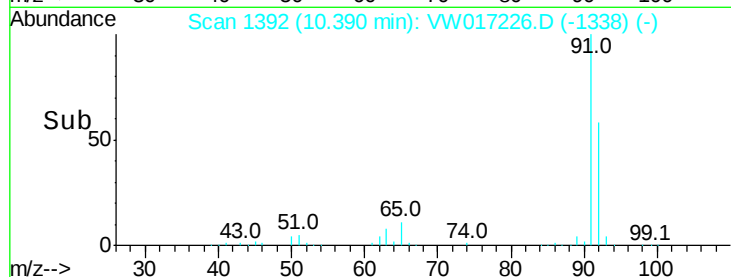
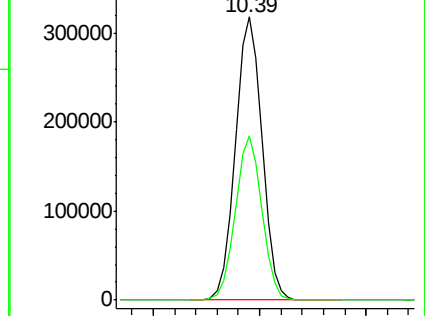
91 100

92 57.9 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 25.914 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017226.D

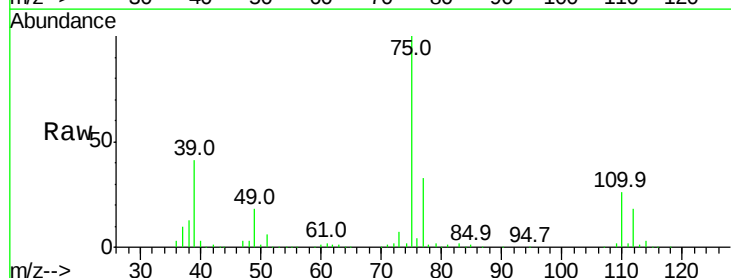
Acq: 15 Nov 2020 09:27

Tgt Ion: 75 Resp: 163164

Ion Ratio Lower Upper

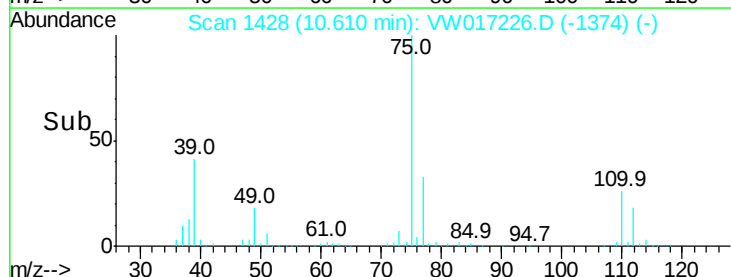
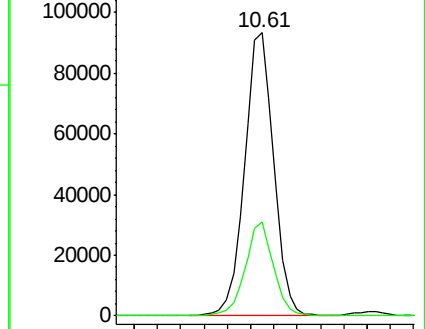
75 100

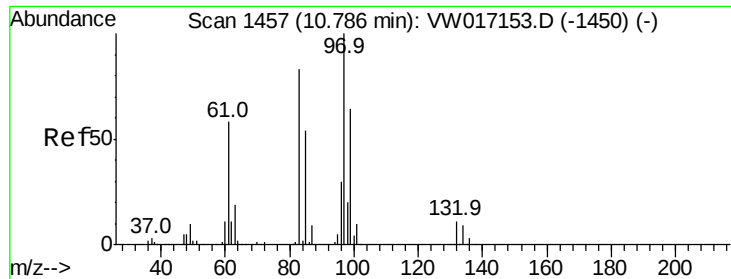
77 33.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

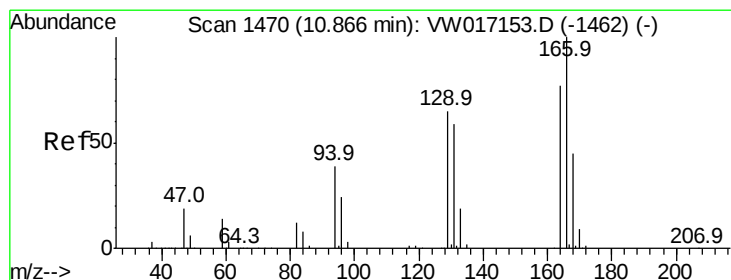
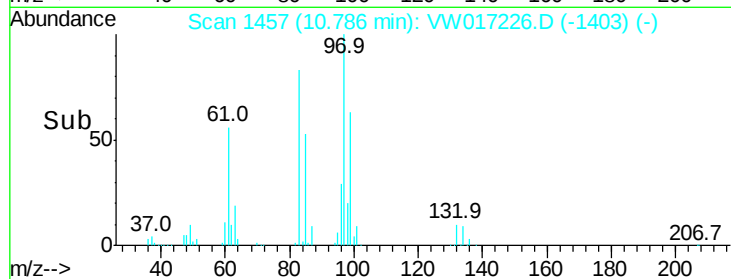
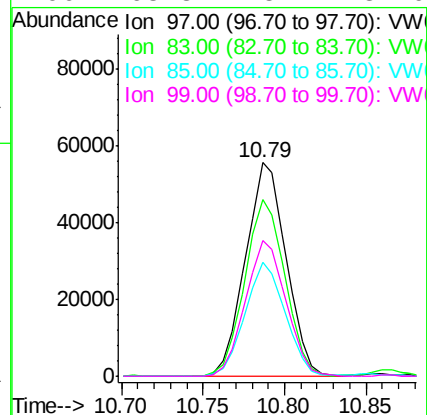
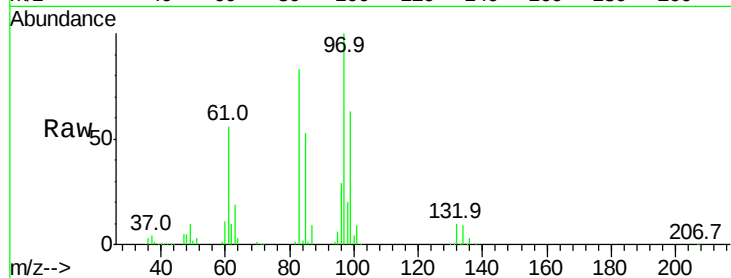




#46
 1,1,2-Trichloroethane
 Concen: 24.174 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

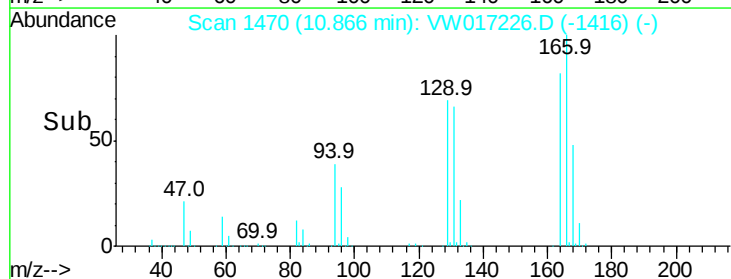
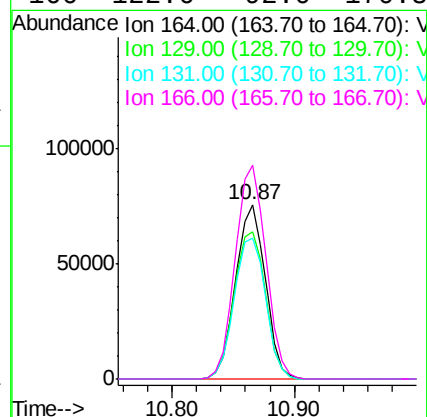
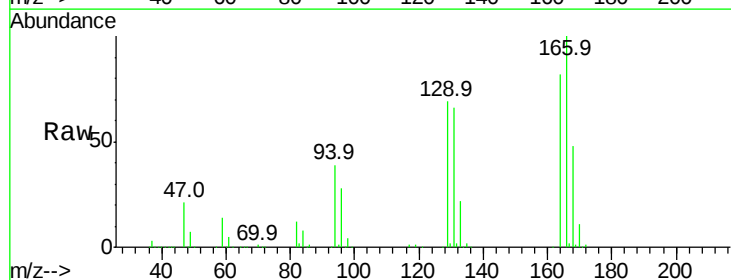
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

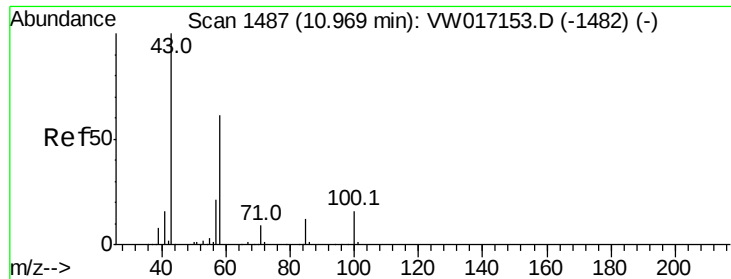
Tgt Ion:	97	Resp:	96475
Ion	Ratio	Lower	Upper
97	100		
83	82.6	57.3	106.5
85	53.4	37.2	69.0
99	63.3	45.7	84.9



#47
 Tetrachloroethene
 Concen: 25.354 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion:	164	Resp:	126885
Ion	Ratio	Lower	Upper
164	100		
129	84.3	62.9	116.7
131	80.8	63.3	117.5
166	122.6	92.0	170.8

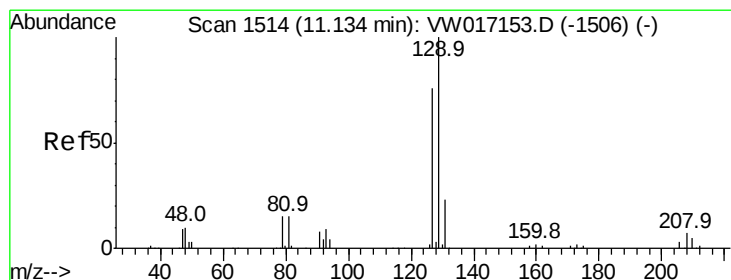
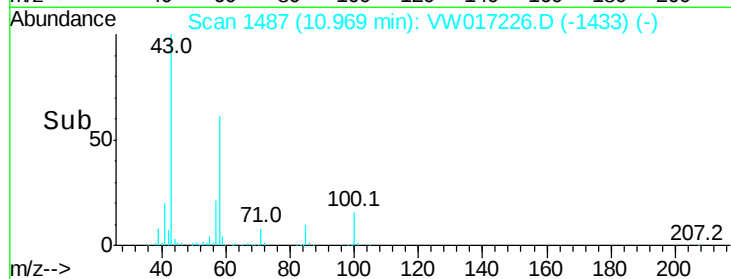
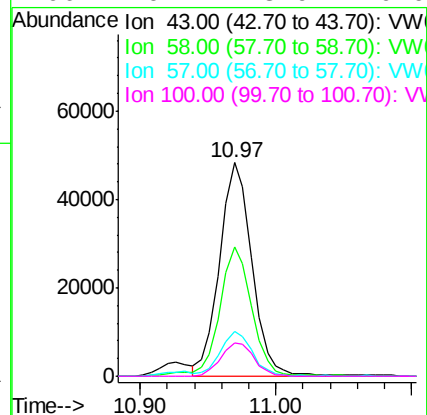
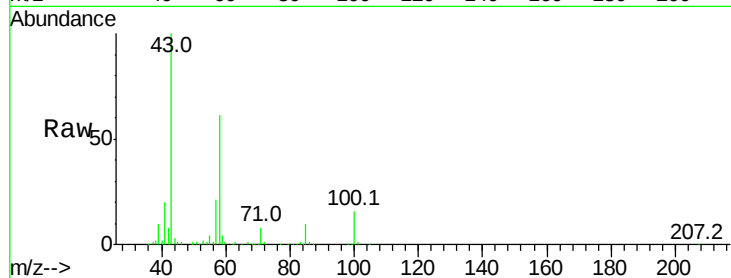




#49
2-Hexanone
Concen: 46.084 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

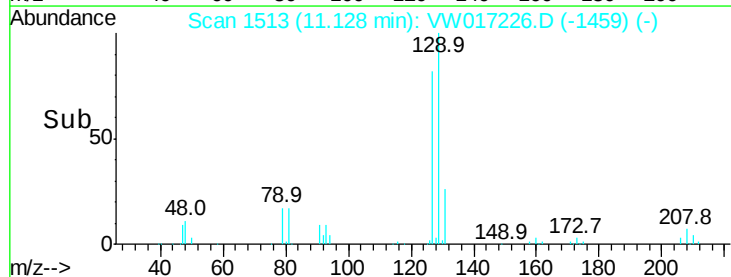
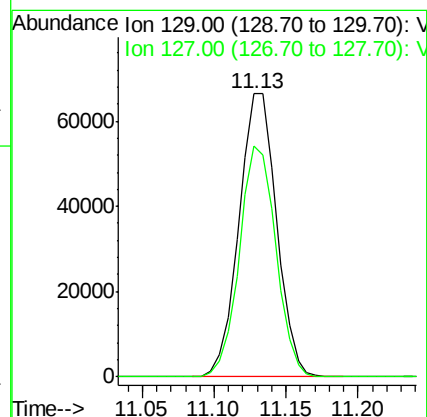
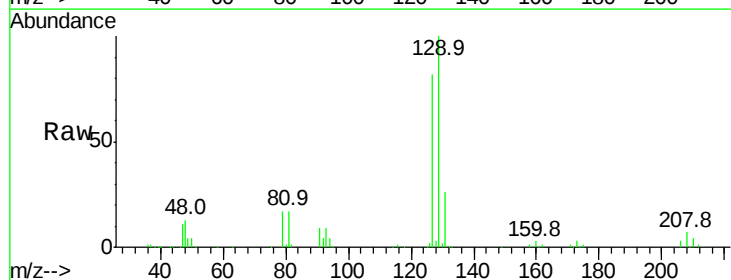
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

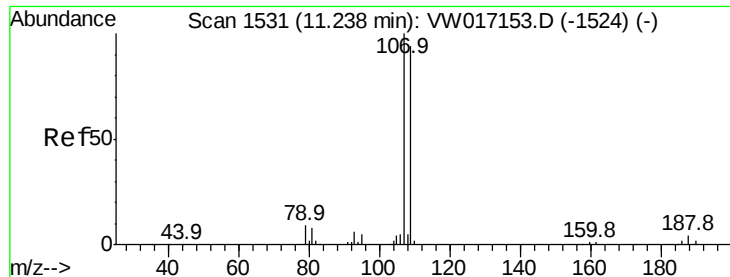
Tgt Ion:	43	Resp:	79343
Ion	Ratio	Lower	Upper
43	100		
58	59.6	50.6	75.8
57	20.2	17.8	26.6
100	16.2	13.9	20.9



#50
Dibromochloromethane
Concen: 24.822 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Tgt Ion:	129	Resp:	120691
Ion	Ratio	Lower	Upper
129	100		
127	81.8	54.3	100.9

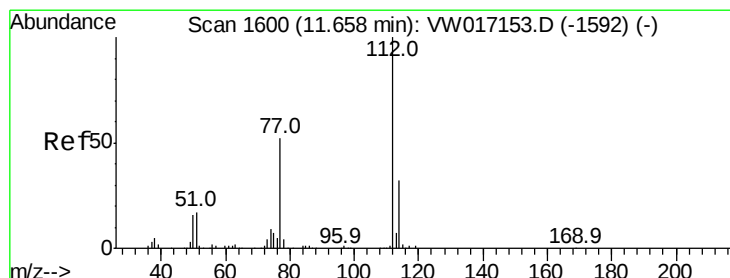
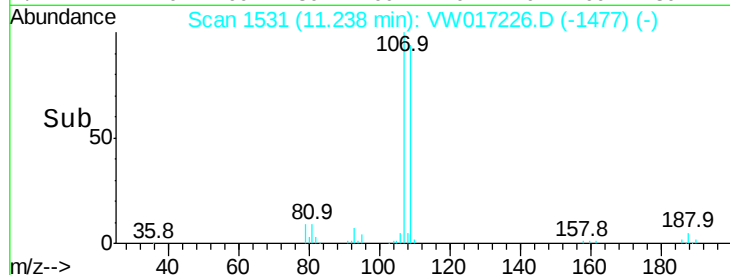
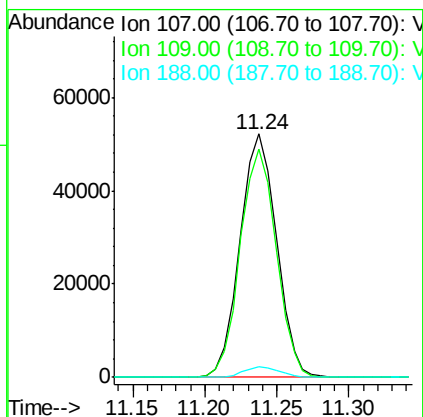
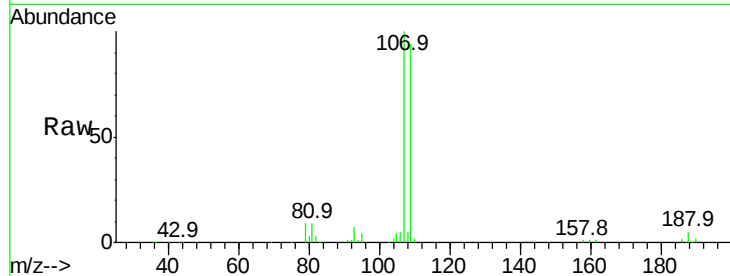




#51
 1,2-Dibromoethane
 Concen: 23.748 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

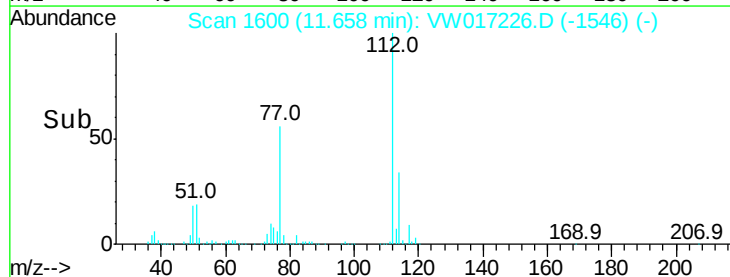
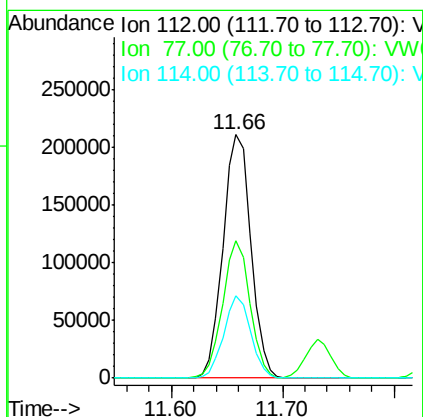
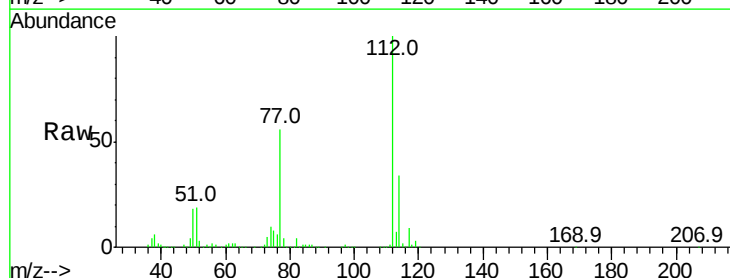
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

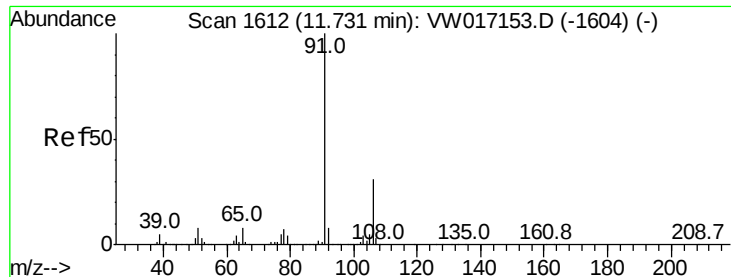
Tgt Ion:107 Resp: 92074
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.3 119.5
 188 4.5 3.3 4.9



#52
 Chlorobenzene
 Concen: 24.883 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion:112 Resp: 366824
 Ion Ratio Lower Upper
 112 100
 77 56.2 41.7 62.5
 114 33.7 22.3 41.3





#53

Ethylbenzene

Concen: 26.249 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

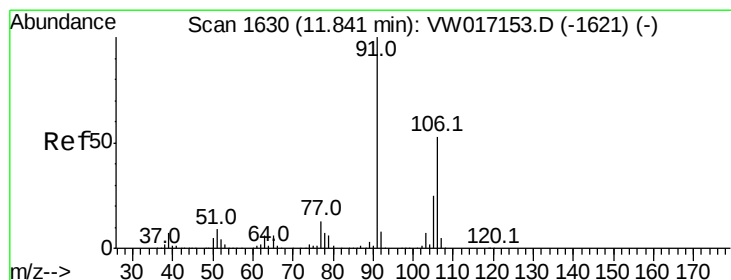
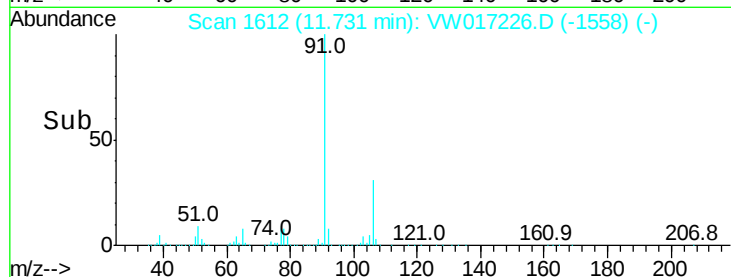
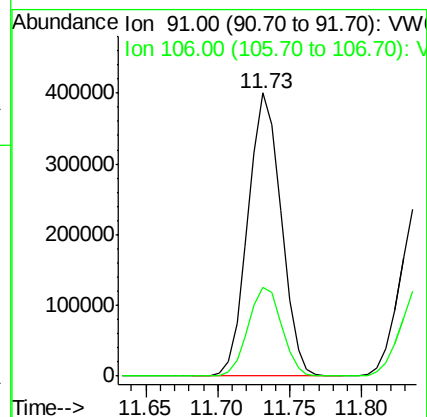
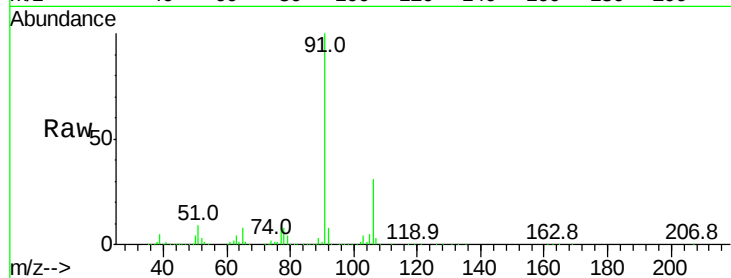
VSTD02528

Tgt Ion: 91 Resp: 639045

Ion Ratio Lower Upper

91 100

106 31.2 22.9 42.5



#54

m,p-Xylene

Concen: 25.823 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017226.D

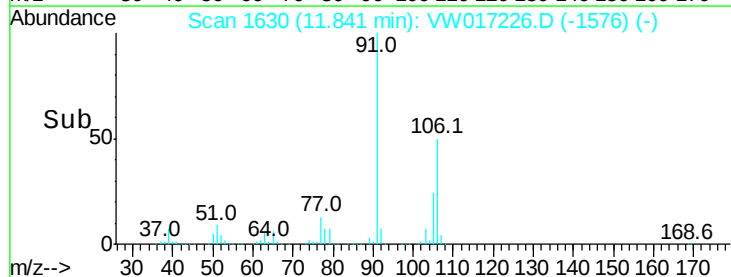
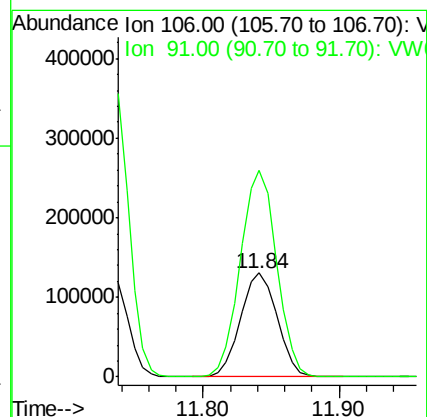
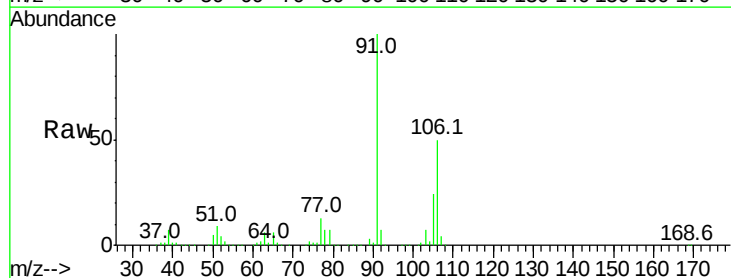
Acq: 15 Nov 2020 09:27

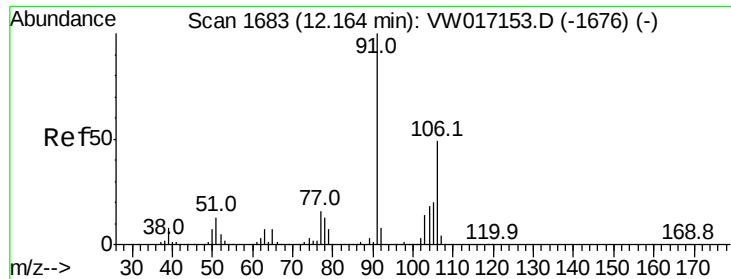
Tgt Ion: 106 Resp: 245921

Ion Ratio Lower Upper

106 100

91 198.6 138.7 257.5

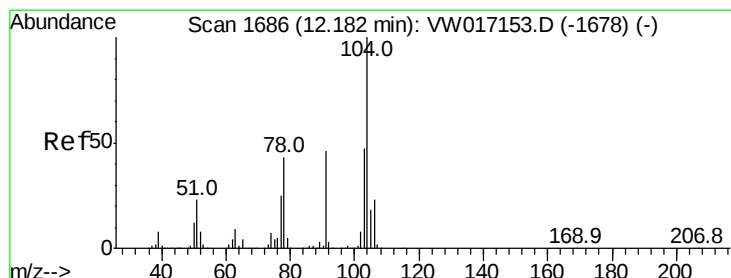
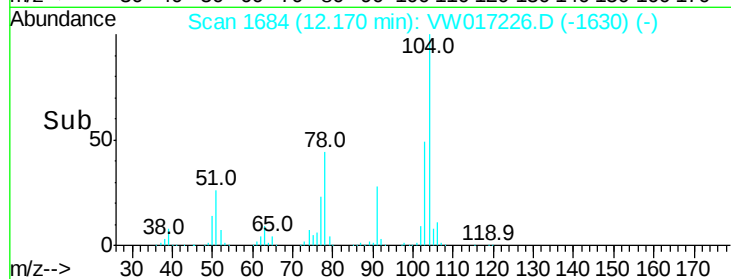
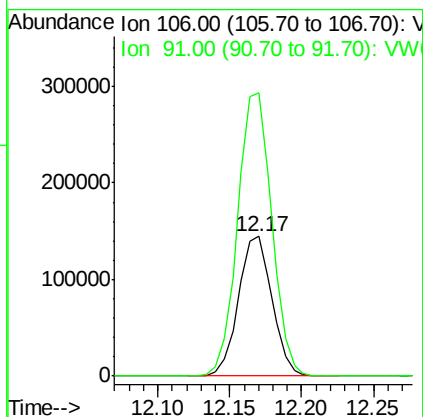
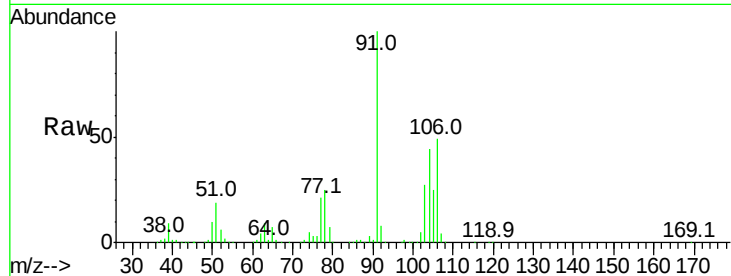




#55
o-xylene
Concen: 25.819 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

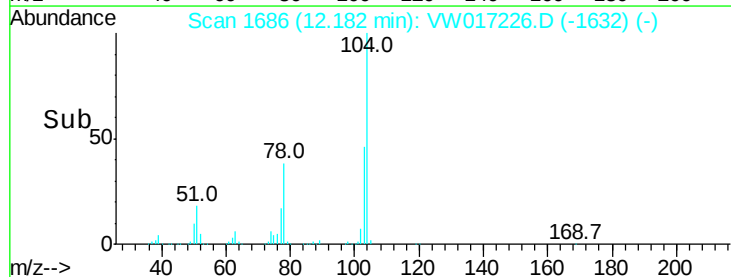
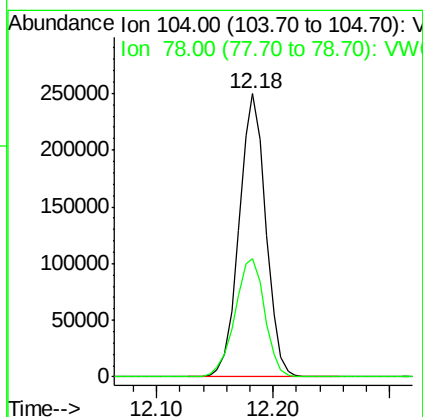
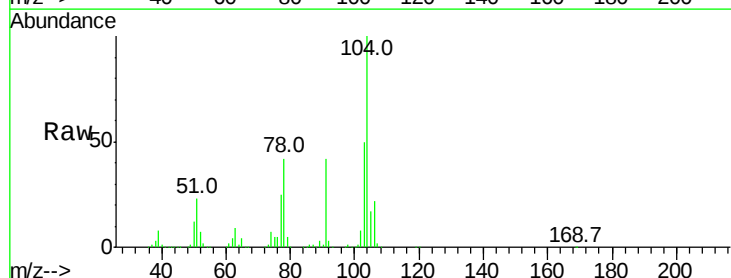
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

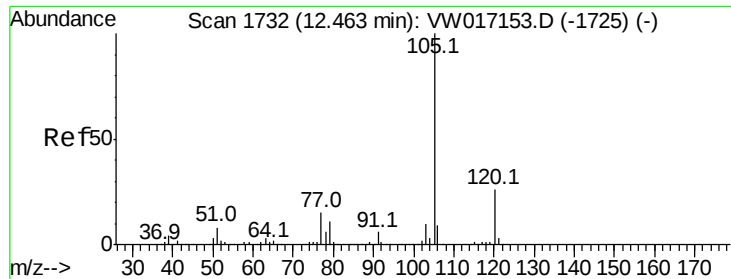
Tgt Ion:106 Resp: 233388
Ion Ratio Lower Upper
106 100
91 203.1 140.8 261.4



#56
Styrene
Concen: 26.264 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017226.D
Acq: 15 Nov 2020 09:27

Tgt Ion:104 Resp: 398607
Ion Ratio Lower Upper
104 100
78 41.6 28.2 52.4





#57

Isopropylbenzene

Concen: 26.961 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

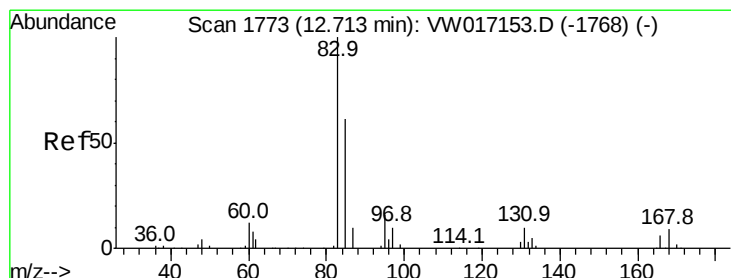
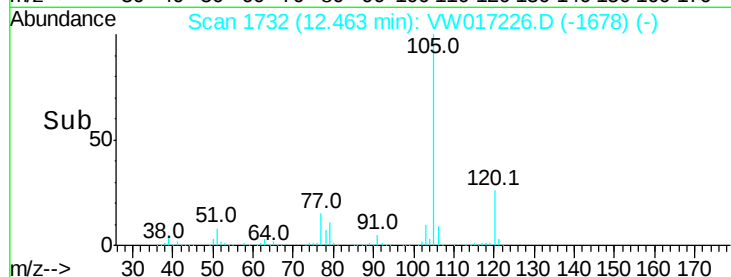
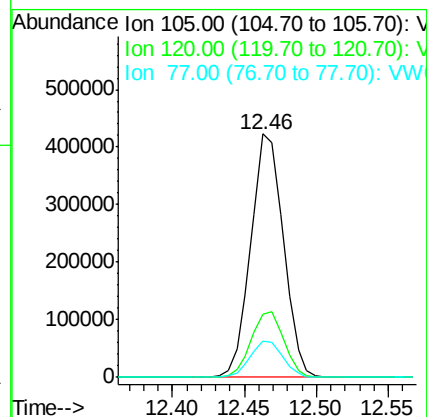
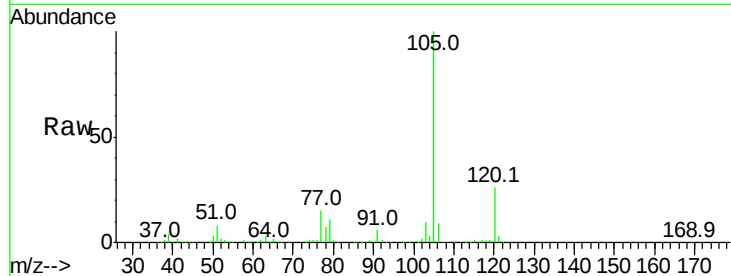
Tgt Ion:105 Resp: 661397

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.6

77 14.8 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 23.529 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

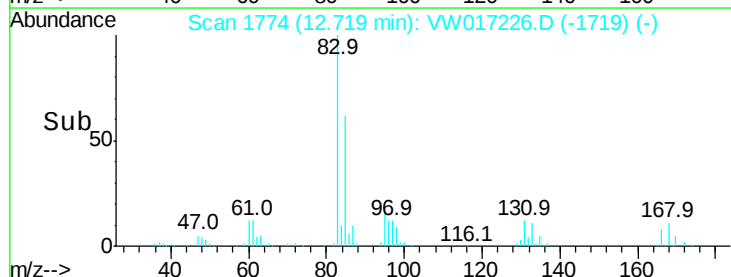
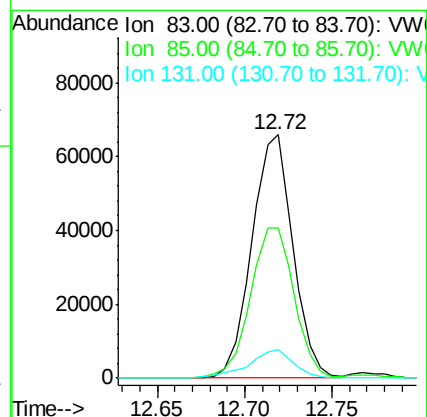
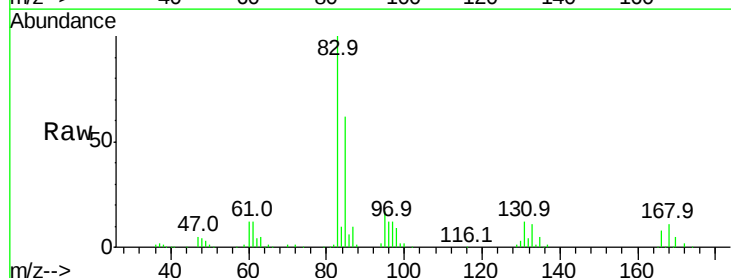
Tgt Ion: 83 Resp: 108479

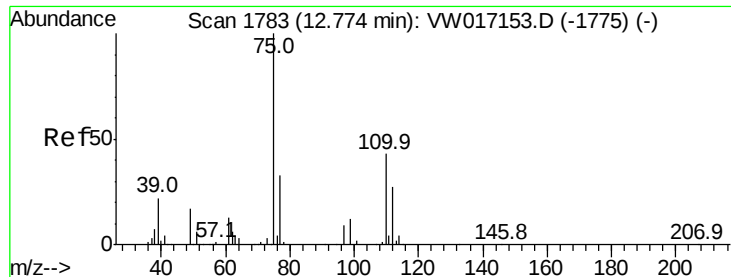
Ion Ratio Lower Upper

83 100

85 61.8 44.9 83.5

131 11.6 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 23.285 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

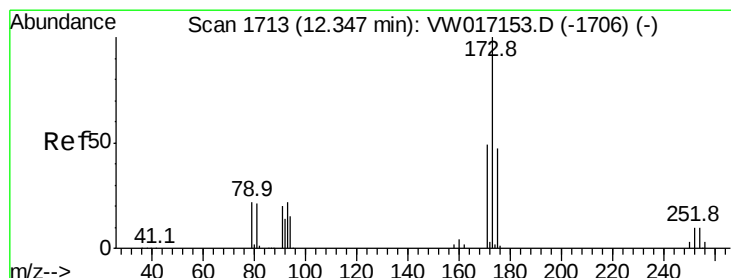
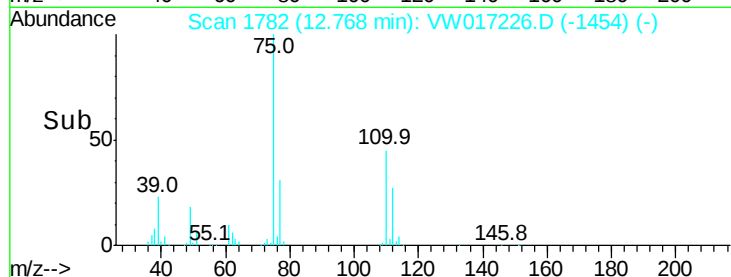
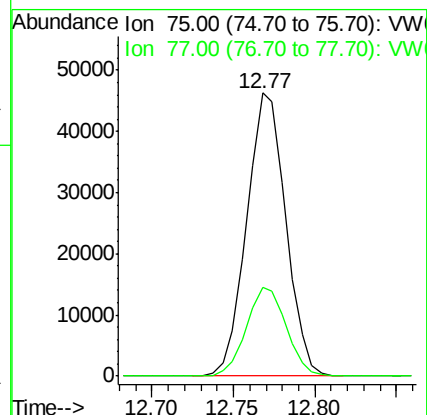
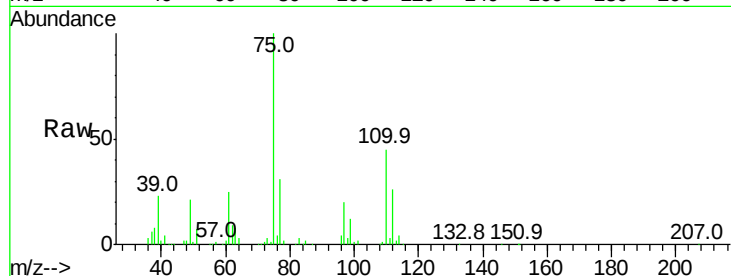
VSTD02528

Tgt Ion: 75 Resp: 77164

Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6



#62

Bromoform

Concen: 24.230 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

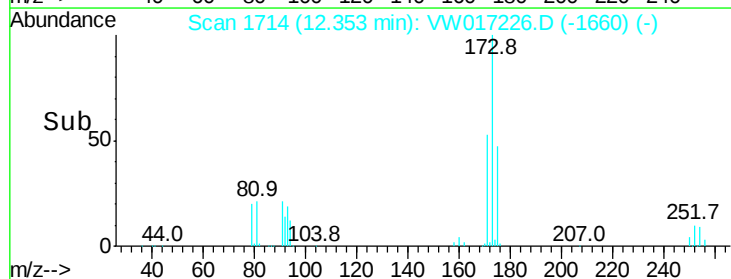
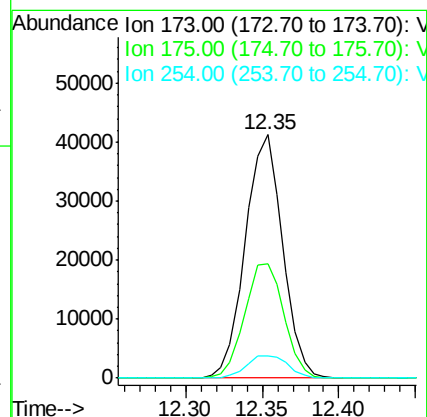
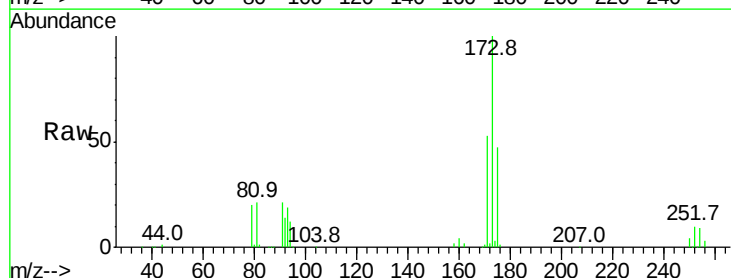
Tgt Ion: 173 Resp: 70021

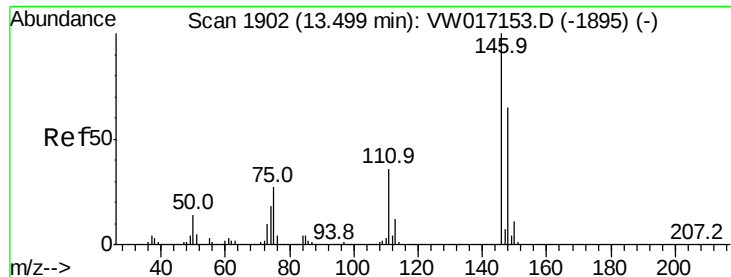
Ion Ratio Lower Upper

173 100

175 49.3 38.3 57.5

254 10.2 8.1 12.1

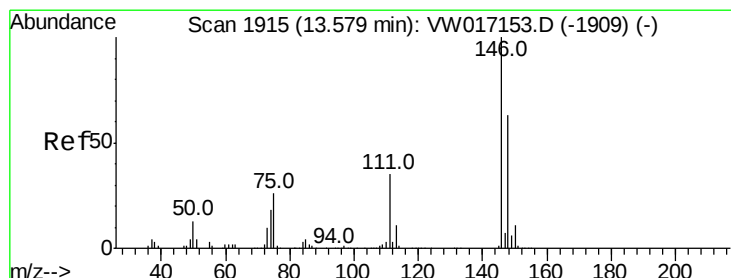
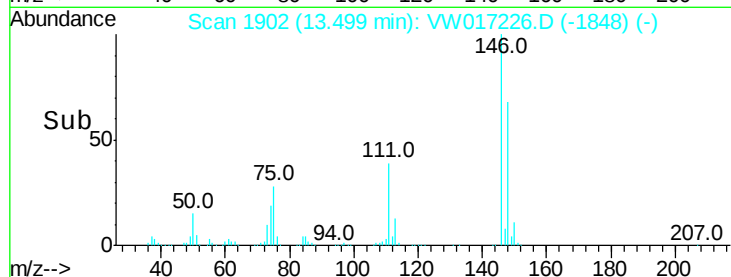
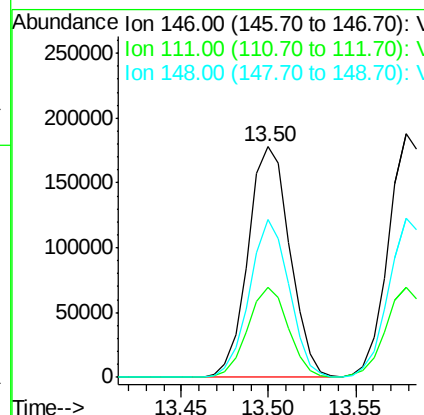
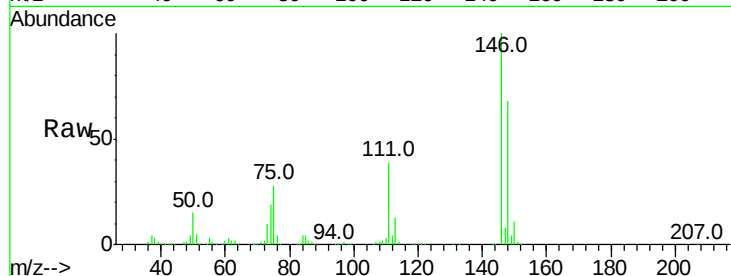




#63
 1,3-Dichlorobenzene
 Concen: 25.292 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

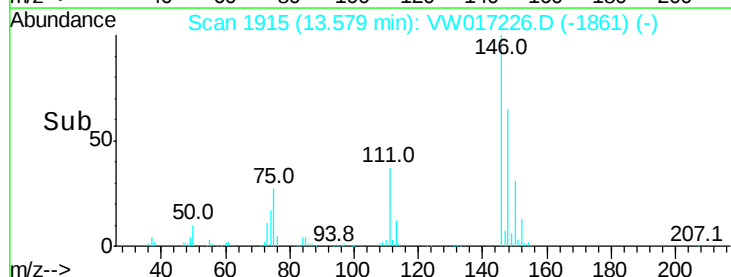
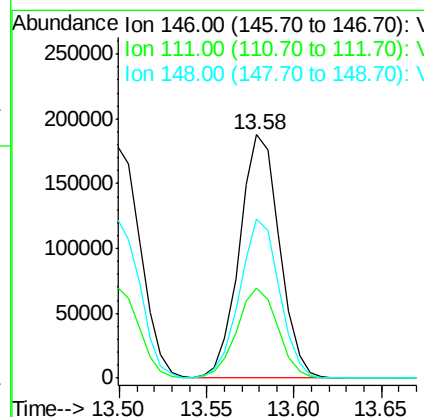
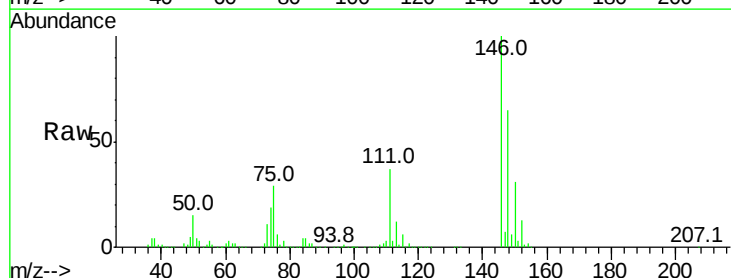
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

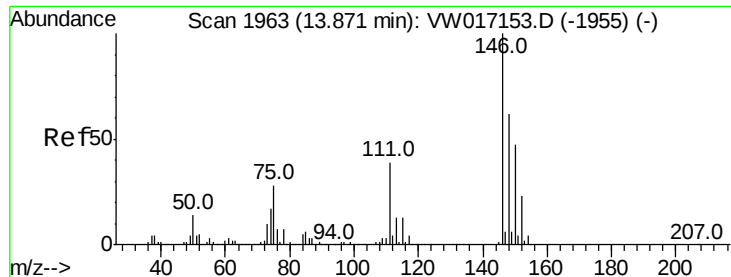
Tgt Ion:146 Resp: 296189
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.4 49.0
 148 68.4 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 25.373 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion:146 Resp: 298528
 Ion Ratio Lower Upper
 146 100
 111 36.8 24.5 45.5
 148 65.3 45.5 84.5

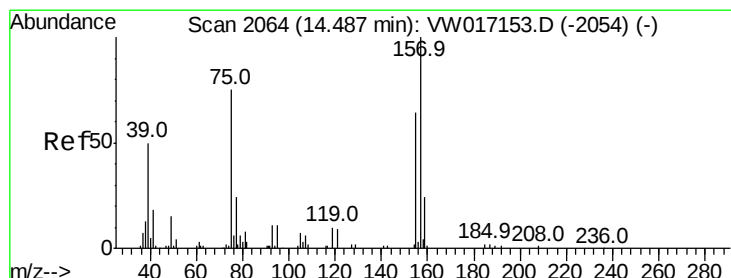
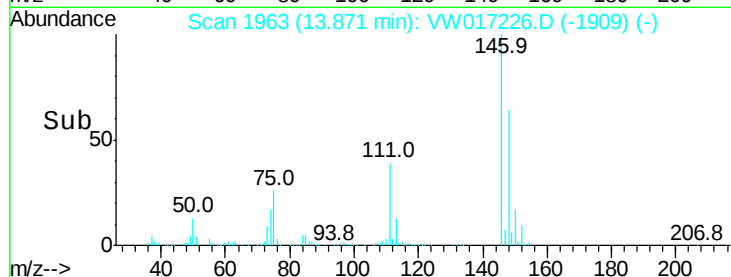
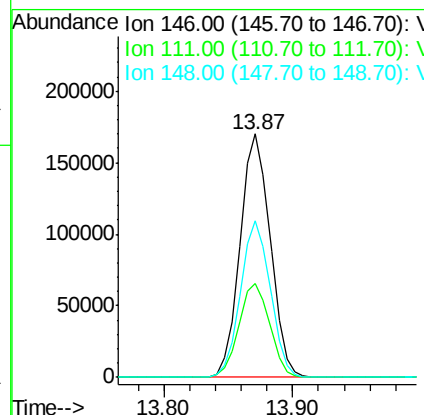
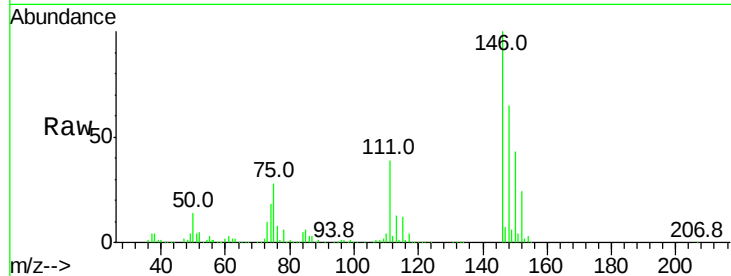




#65
 1,2-Dichlorobenzene
 Concen: 26.083 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

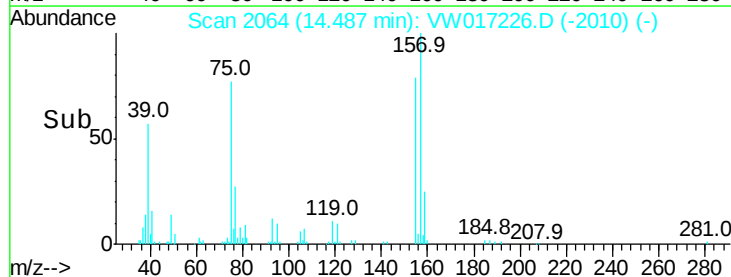
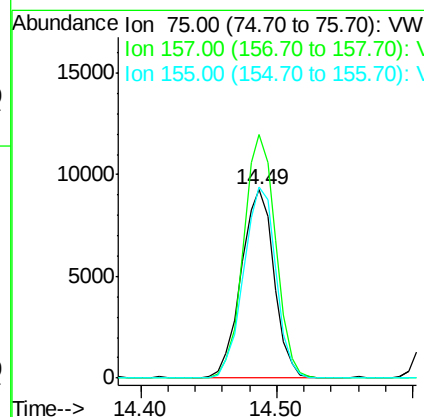
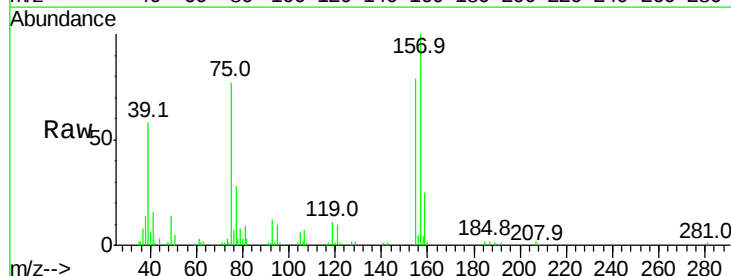
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

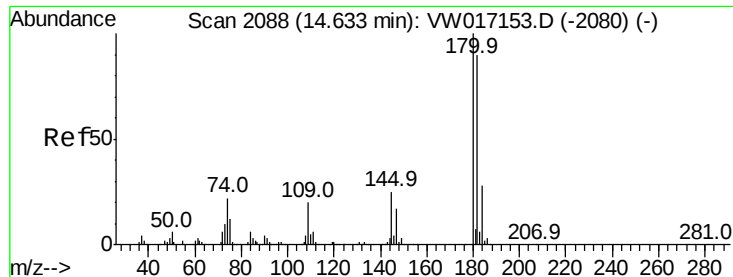
Tgt Ion:146 Resp: 275456
 Ion Ratio Lower Upper
 146 100
 111 38.8 30.5 45.7
 148 64.6 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.362 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion: 75 Resp: 15614
 Ion Ratio Lower Upper
 75 100
 157 129.2 108.2 162.4
 155 101.7 79.1 118.7

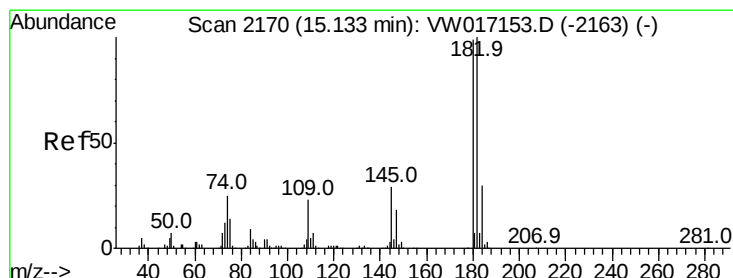
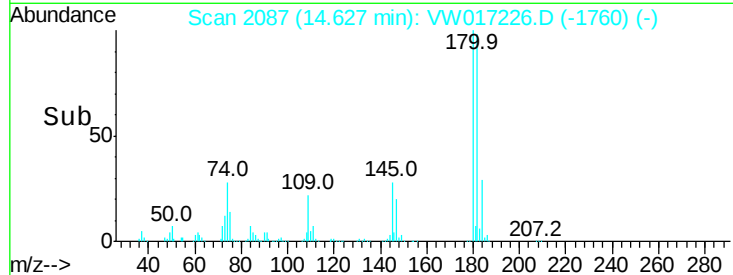
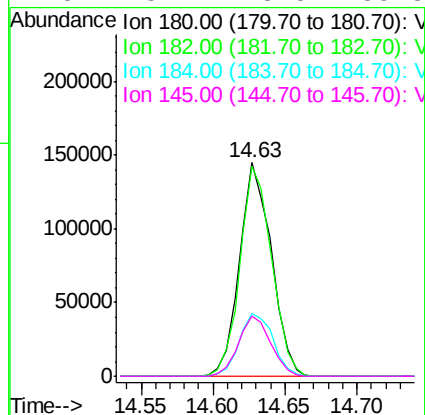
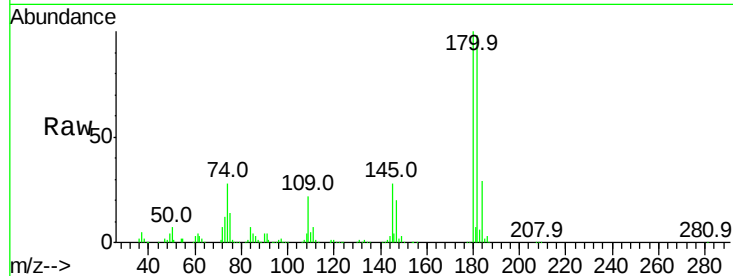




#67
 1,3,5-Trichlorobenzene
 Concen: 25.783 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

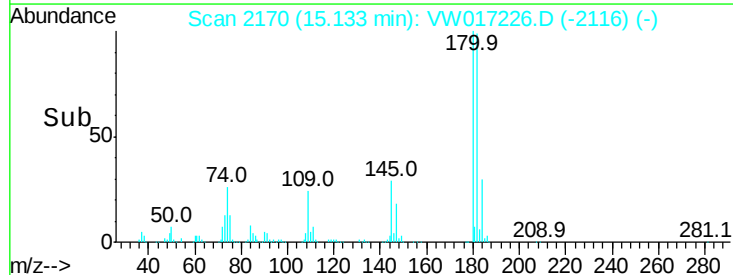
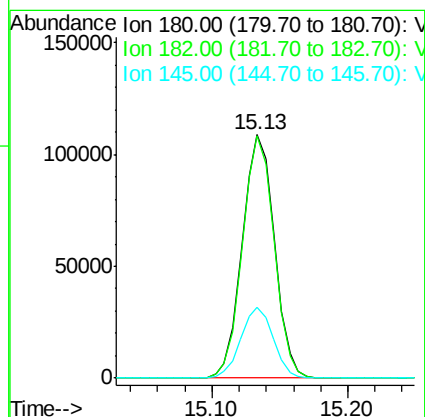
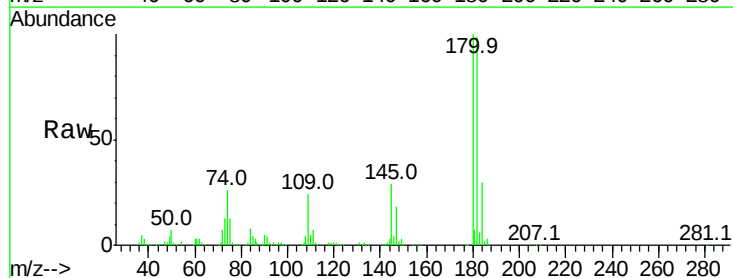
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

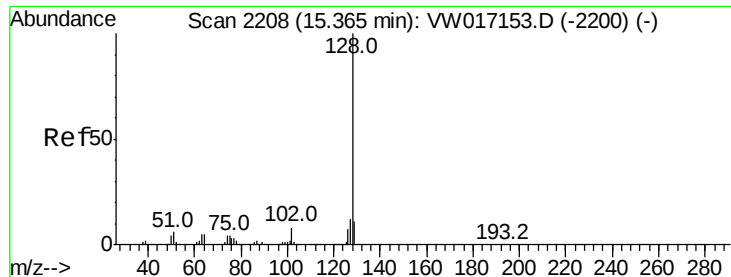
Tgt Ion:	180	Resp:	222497
Ion Ratio	Lower	Upper	
180	100		
182	97.7	77.2	115.8
184	31.2	24.2	36.4
145	28.7	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 26.239 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017226.D
 Acq: 15 Nov 2020 09:27

Tgt Ion:	180	Resp:	180696
Ion Ratio	Lower	Upper	
180	100		
182	97.5	76.7	115.1
145	29.4	23.6	35.4





#69

Naphthalene

Concen: 23.752 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

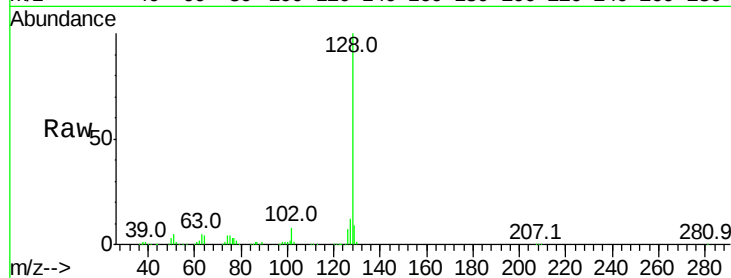
Tgt Ion:128 Resp: 301009

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

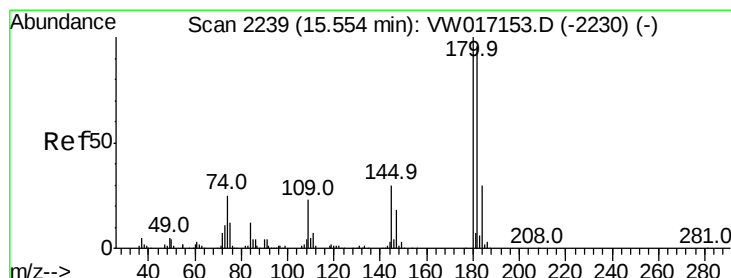
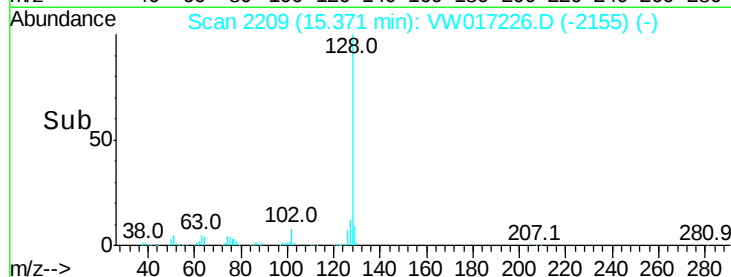
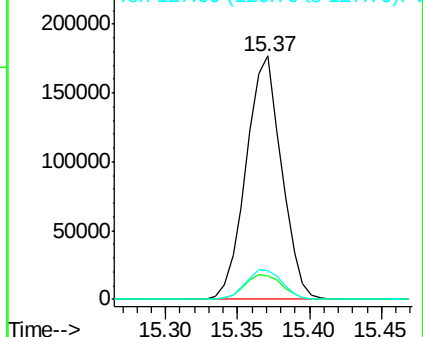
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.920 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017226.D

Acq: 15 Nov 2020 09:27

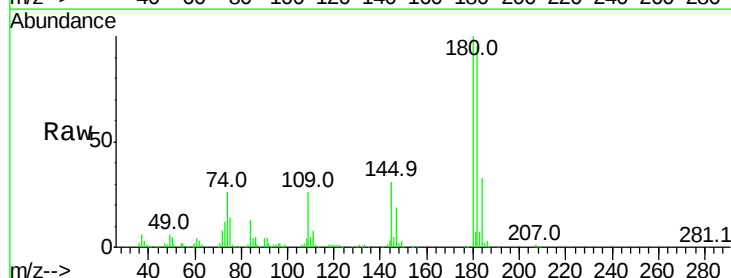
Tgt Ion:180 Resp: 150513

Ion Ratio Lower Upper

180 100

182 99.0 75.5 113.3

145 32.4 24.5 36.7



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

