

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110920\
 Data File : VW017113.D
 Acq On : 09 Nov 2020 10:08
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

Quant Time: Nov 10 07:54:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 09 04:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	512021	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	467133	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	238698	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	182155	28.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.96%
7) Chloroethane-d5	2.89	69	146804	29.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.16%
10) 1,1-Dichloroethene-d2	4.03	63	307603	26.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.68%
20) 2-Butanone-d5	7.08	46	70404	48.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.64%
24) Chloroform-d	7.65	84	341248	28.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.20%
26) 1,2-Dichloroethane-d4	8.30	65	163838	27.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.28%
29) Benzene-d6	8.27	84	659673	27.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.92%
33) 1,2-Dichloropropane-d6	9.27	67	185885	28.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.00%
37) Toluene-d8	10.32	98	617517	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.12%
38) trans-1,3-Dichloropropene-	10.58	79	81228	27.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.52%
39) 2-Hexanone-d5	10.93	63	57585	50.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	154514	26.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	237319	28.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	129474	25.203	ug/L 99
3) Chloromethane	2.22	50	108571	23.286	ug/L 99
5) Vinyl chloride	2.37	62	177512	25.959	ug/L 99
6) Bromomethane	2.79	94	118337	25.023	ug/L 99
8) Chloroethane	2.93	64	106963	25.924	ug/L 98
9) Trichlorofluoromethane	3.26	101	145595	26.179	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	173127	26.196	ug/L 100
12) 1,1-Dichloroethene	4.04	96	157581	24.797	ug/L 93
13) Acetone	4.13	43	41068	42.528	ug/L 97
14) Carbon disulfide	4.39	76	413779	23.926	ug/L 100
15) Methyl Acetate	4.68	43	49605	20.725	ug/L 100
16) Methylene chloride	4.92	84	153835	22.285	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	175512	22.618	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	159415	24.234	ug/L 97
19) 1,1-Dichloroethane	6.22	63	260488	24.994	ug/L 99
21) 2-Butanone	7.18	43	62032	40.006	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	167730	24.115	ug/L 99

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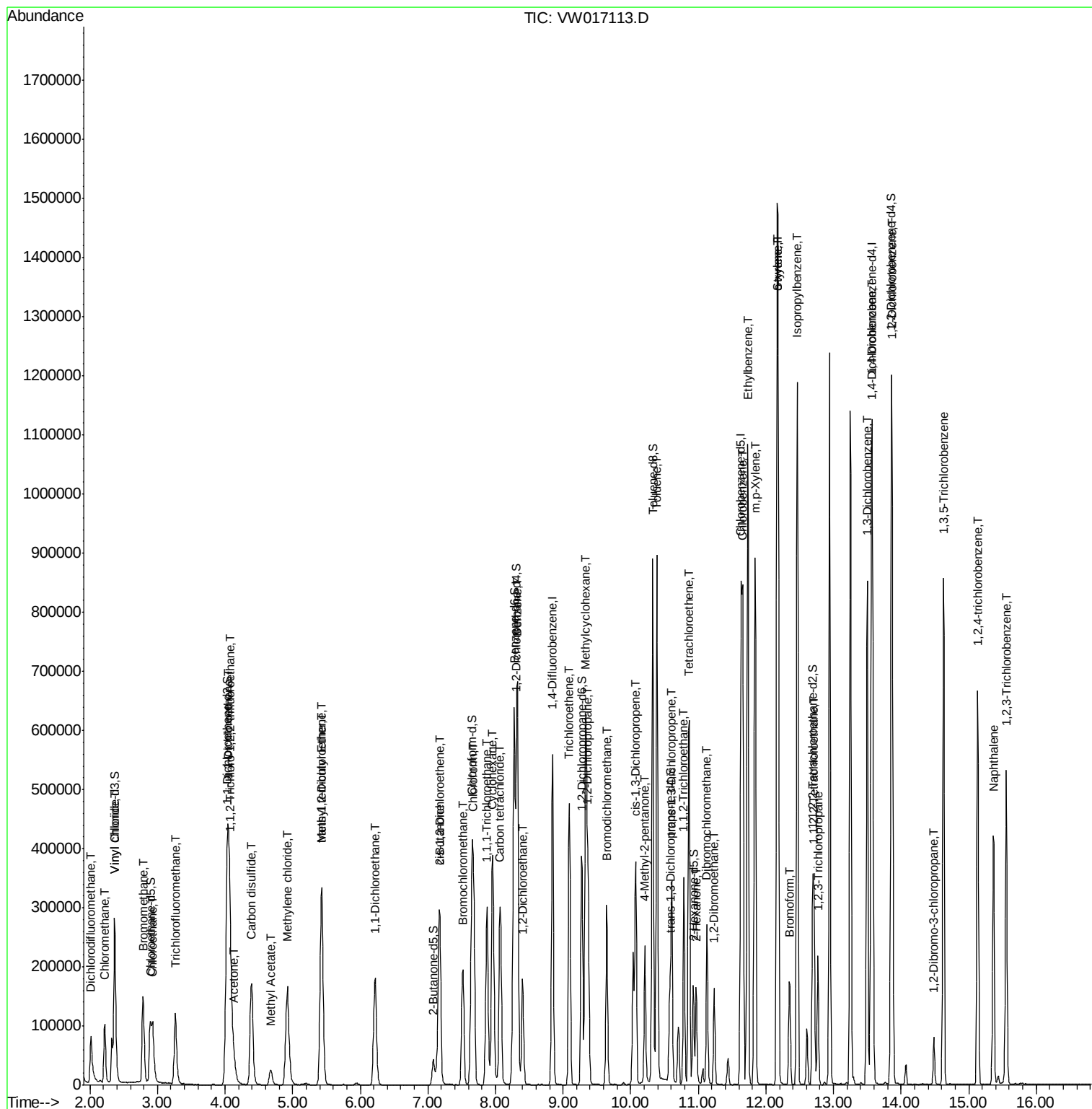
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	79271	23.672	ug/L	96
25) Chloroform	7.68	83	287746	25.359	ug/L	99
27) 1,2-Dichloroethane	8.40	62	162168	23.849	ug/L	98
30) Cyclohexane	7.96	56	218925	24.891	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	251462	26.287	ug/L	100
32) Carbon tetrachloride	8.07	117	243656	26.396	ug/L	98
34) Benzene	8.33	78	609999	24.869	ug/L	100
35) Trichloroethene	9.09	95	167235	24.339	ug/L	98
36) Methylcyclohexane	9.34	83	271797	24.582	ug/L	98
40) 1,2-Dichloropropane	9.37	63	141091	24.606	ug/L	100
41) Bromodichloromethane	9.65	83	199586	25.167	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	223737	24.635	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	141156	39.902	ug/L	98
44) Toluene	10.39	91	682883	25.292	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	193945	24.866	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	113565	22.972	ug/L	99
47) Tetrachloroethene	10.87	164	154318	24.892	ug/L	94
49) 2-Hexanone	10.97	43	94971	44.530	ug/L	97
50) Dibromochloromethane	11.13	129	146865	24.384	ug/L	97
51) 1,2-Dibromoethane	11.24	107	109356	22.769	ug/L	97
52) Chlorobenzene	11.66	112	457664	25.062	ug/L	99
53) Ethylbenzene	11.73	91	763991	25.333	ug/L	100
54) m,p-Xylene	11.84	106	300839	25.501	ug/L	98
55) o-xylene	12.16	106	288102	25.730	ug/L	97
56) Styrene	12.18	104	489883	26.058	ug/L	100
57) Isopropylbenzene	12.46	105	783872	25.795	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	129509	22.677	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	90446	22.033	ug/L	100
62) Bromoform	12.35	173	86217	23.530	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	367292	24.736	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	367040	24.604	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	338718	25.296	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	19513	22.041	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	284936	26.041	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	223391	25.583	ug/L	98
69) Naphthalene	15.36	128	379310	23.605	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	193772	24.287	ug/L	97

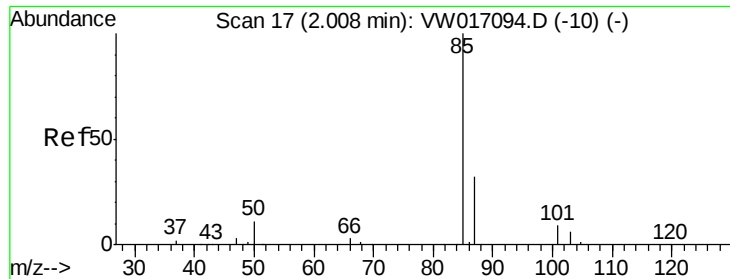
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#2

Dichlorodifluoromethane

Concen: 25.203 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

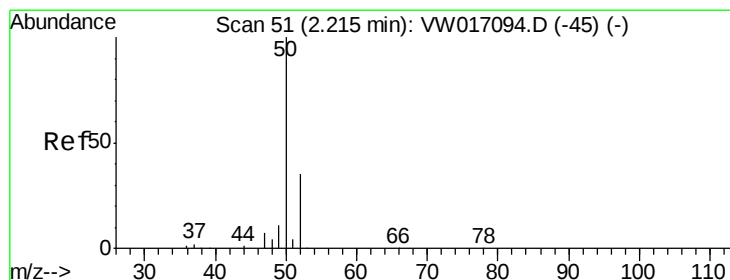
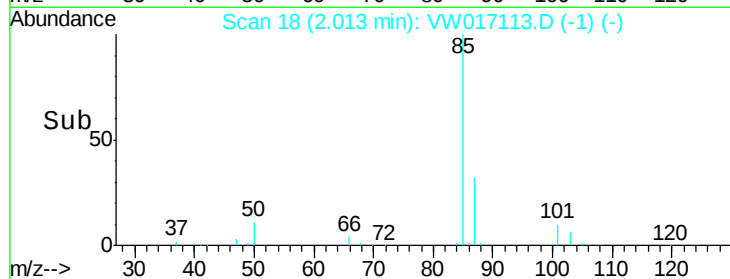
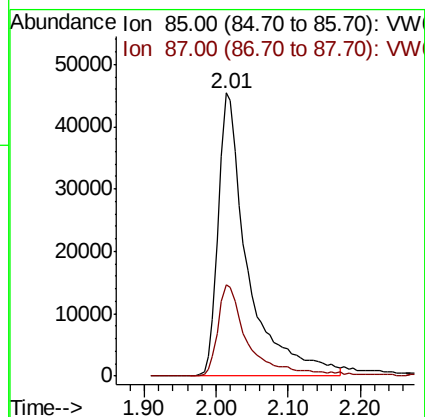
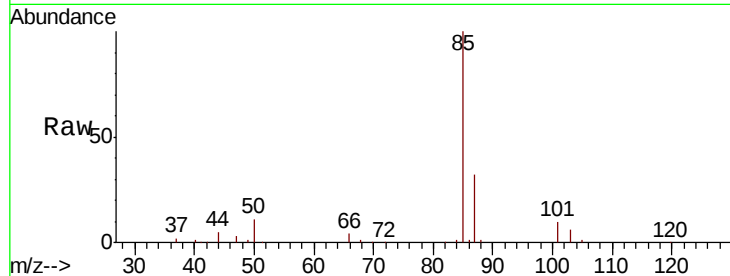
BFB01

Tot Ion: 85 Resp: 129474

Ion Ratio Lower Upper

85 100

87 31.1 21.5 39.9



#3

Chloromethane

Concen: 23.286 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017113.D

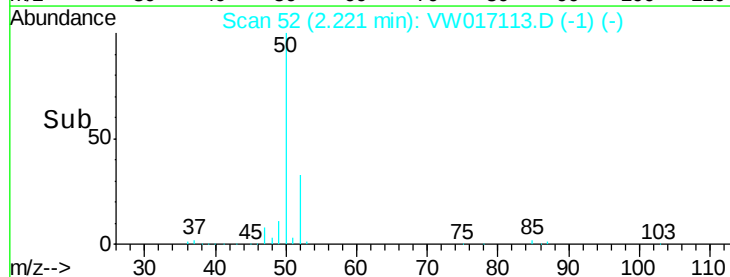
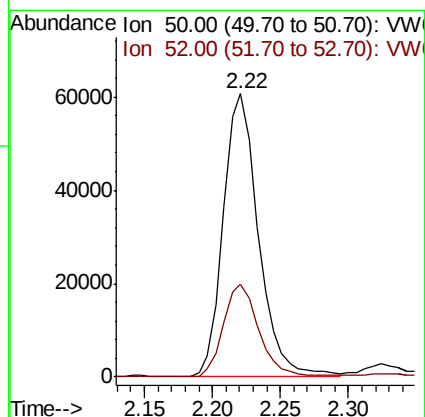
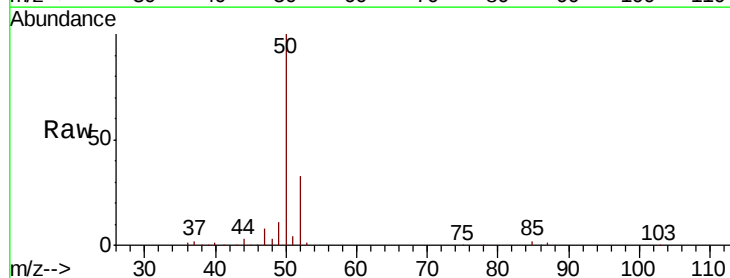
Acq: 09 Nov 2020 10:08

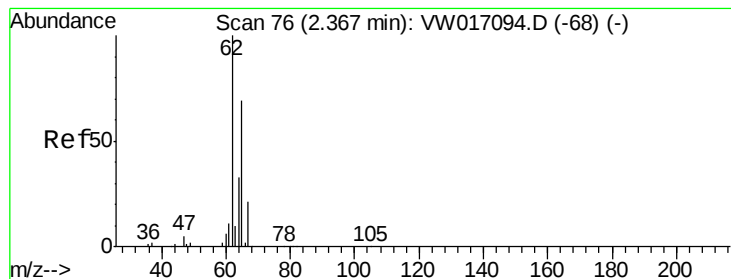
Tgt Ion: 50 Resp: 108571

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9





#5

Vinyl chloride

Concen: 25.959 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

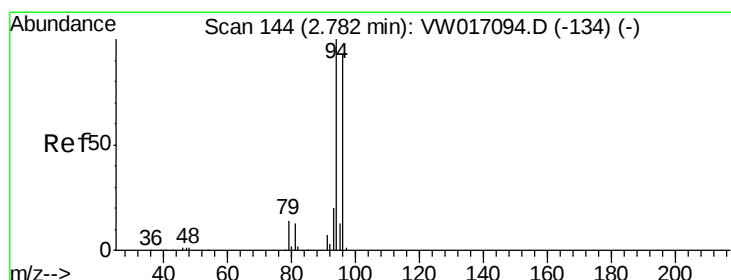
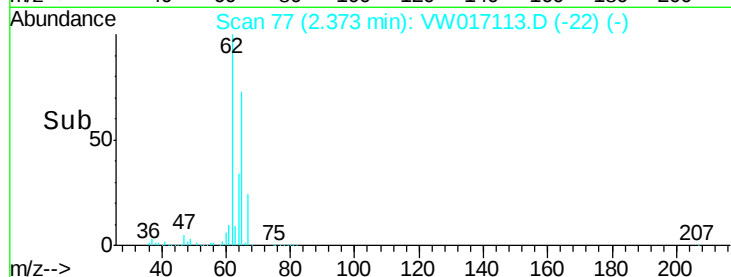
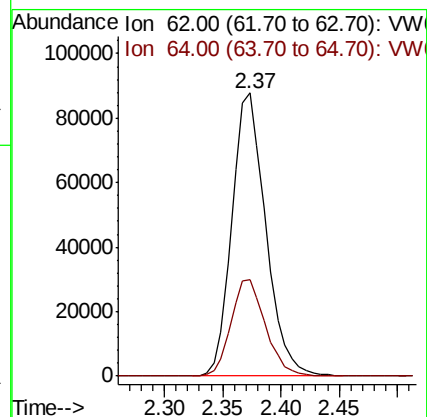
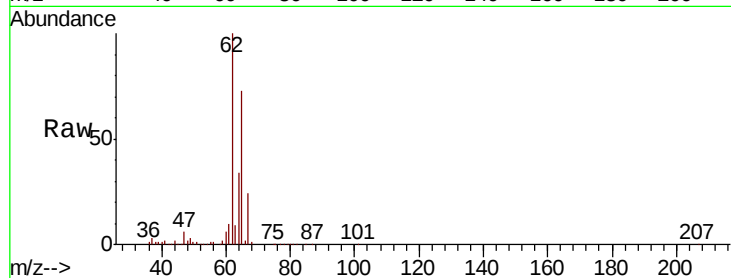
BFB01

Tot Ion: 62 Resp: 177512

Ion Ratio Lower Upper

62 100

64 33.9 23.3 43.3



#6

Bromomethane

Concen: 25.023 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017113.D

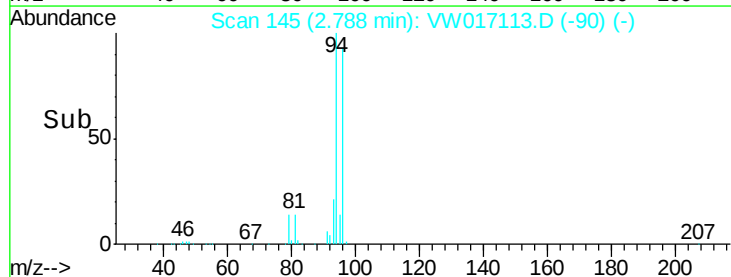
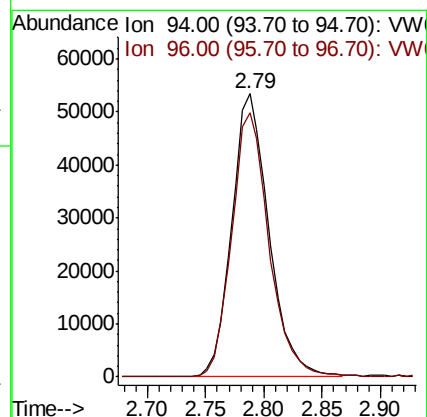
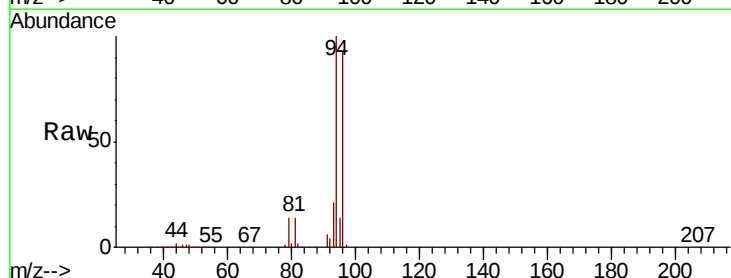
Acq: 09 Nov 2020 10:08

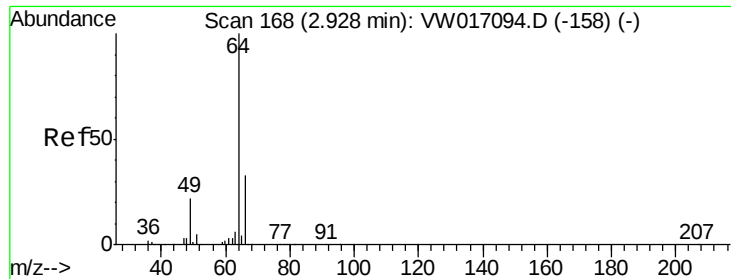
Tgt Ion: 94 Resp: 118337

Ion Ratio Lower Upper

94 100

96 94.4 9.6 181.8

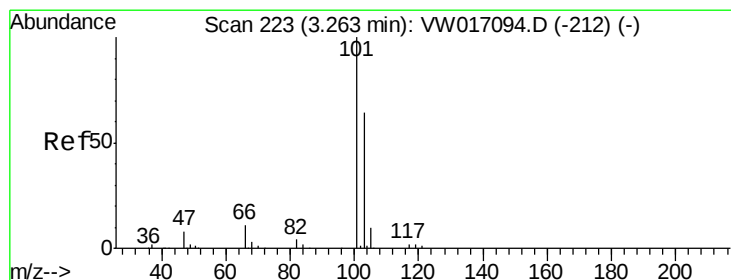
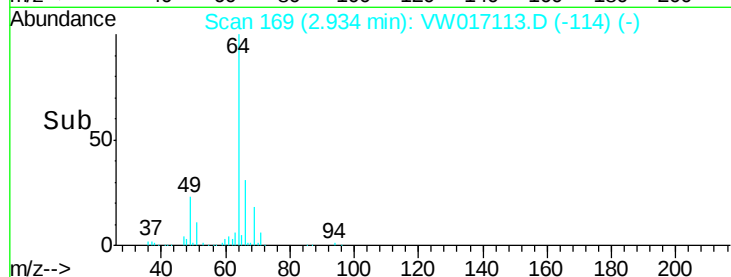
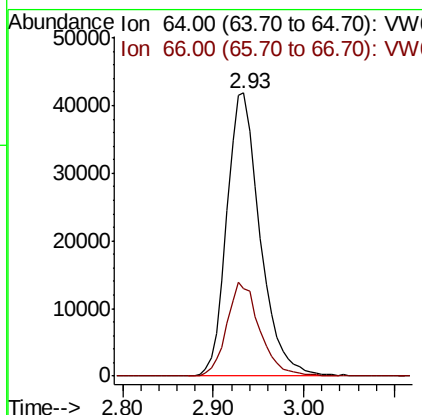
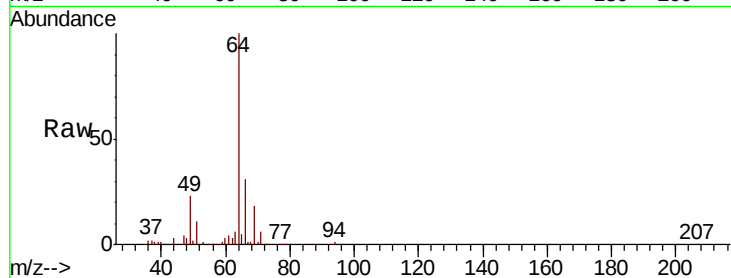




#8
Chloroethane
Concen: 25.924 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

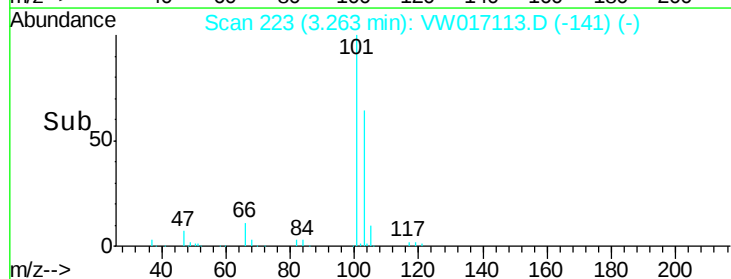
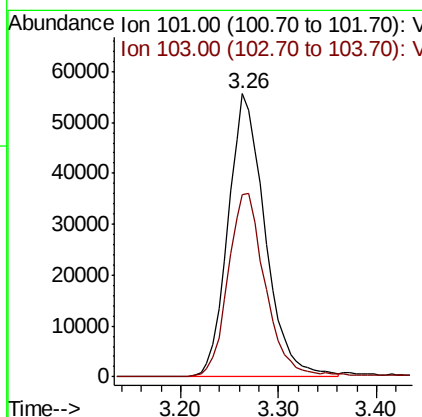
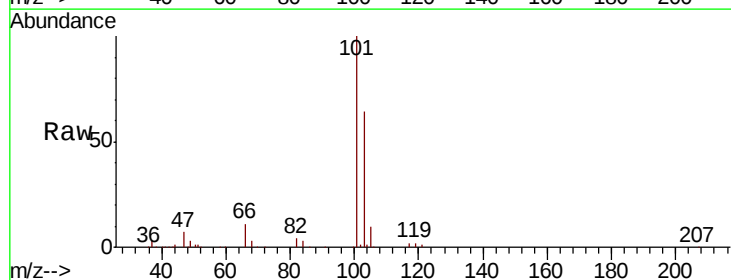
Instrument :
MSVOA_W
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BFB01

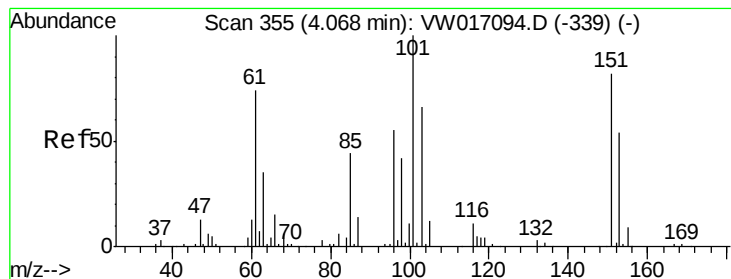
Tot Ion: 64 Resp: 106963
Ion Ratio Lower Upper
64 100
66 30.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 26.179 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion: 101 Resp: 145595
Ion Ratio Lower Upper
101 100
103 65.4 45.4 84.2





#11

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

Concen: 26.196 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

BFB01

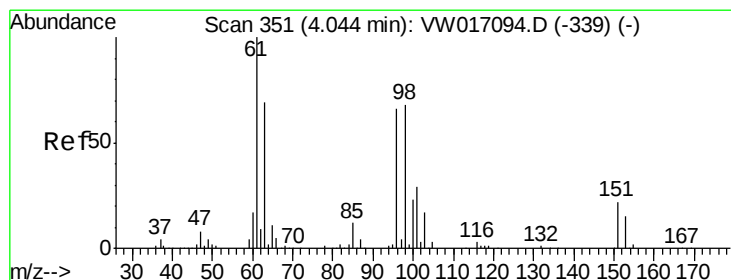
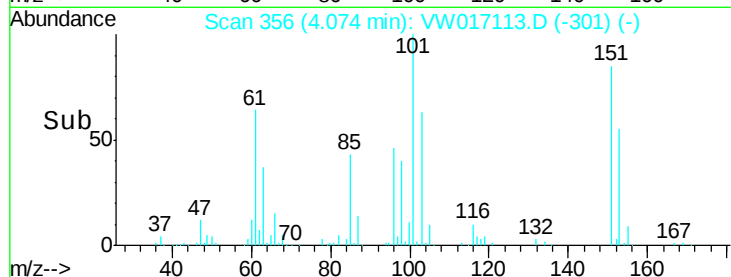
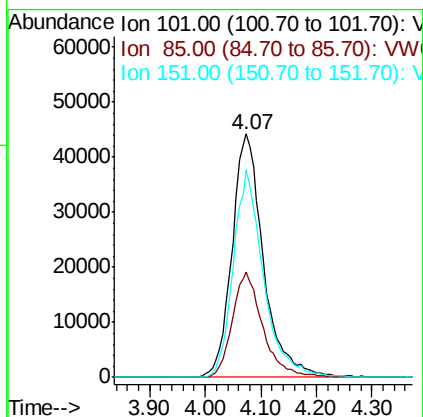
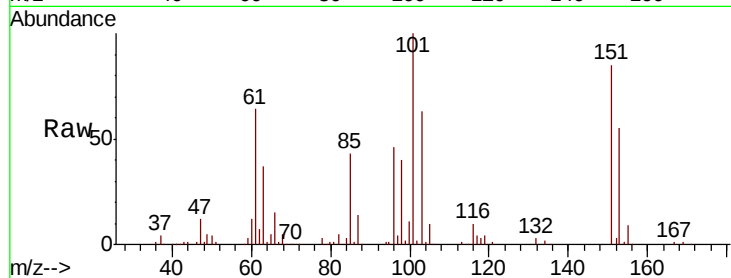
Tot Ion: 101 Resp: 173127

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

151 82.0 65.4 98.2



#12

1,1-Dichloroethene

Concen: 24.797 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

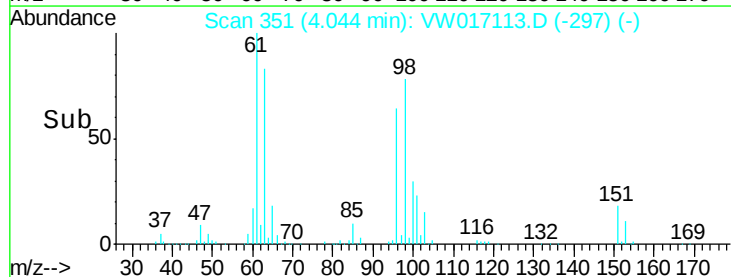
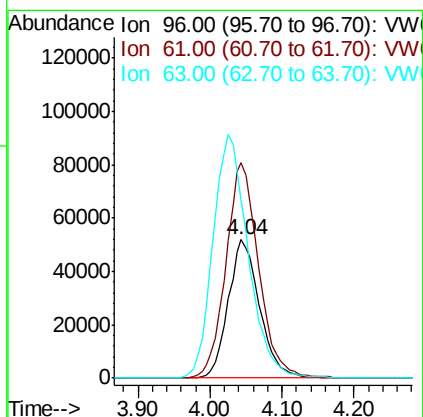
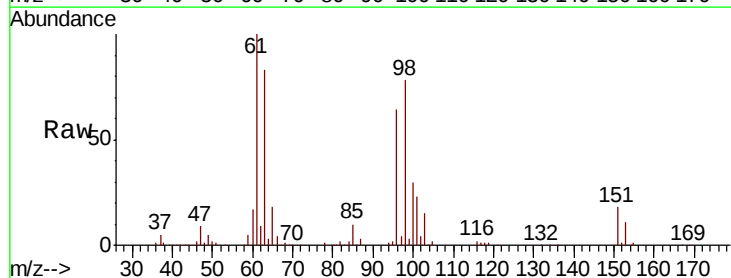
Tgt Ion: 96 Resp: 157581

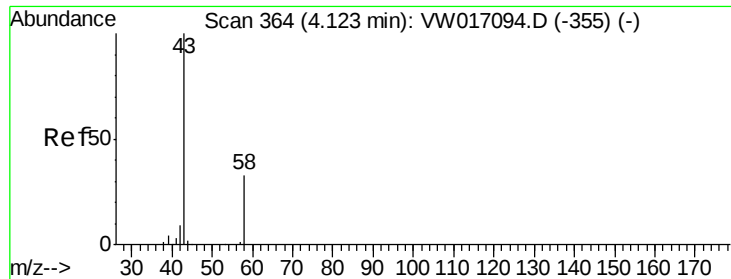
Ion Ratio Lower Upper

96 100

61 155.6 103.8 192.8

63 129.5 84.4 156.7





#13

Acetone

Concen: 42.528 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017113.D

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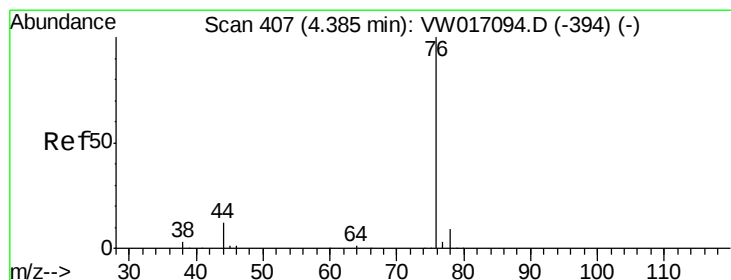
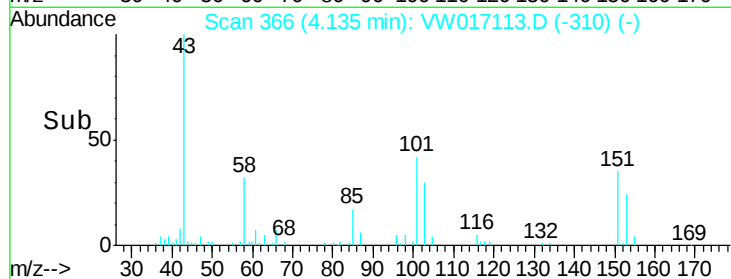
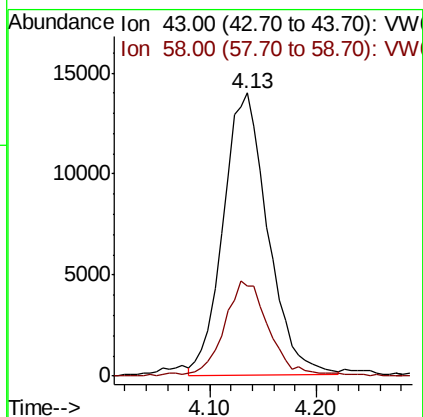
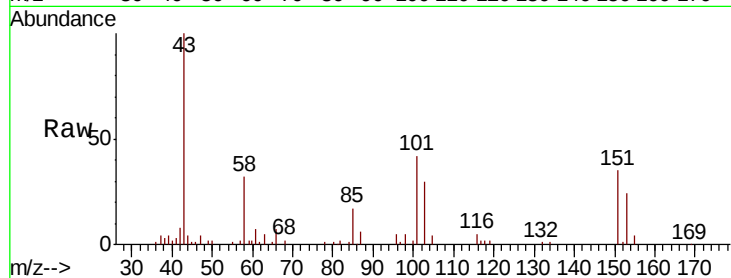
BFB01

Tot Ion: 43 Resp: 41068

Ion Ratio Lower Upper

43 100

58 33.1 0.0 69.2



#14

Carbon disulfide

Concen: 23.926 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017113.D

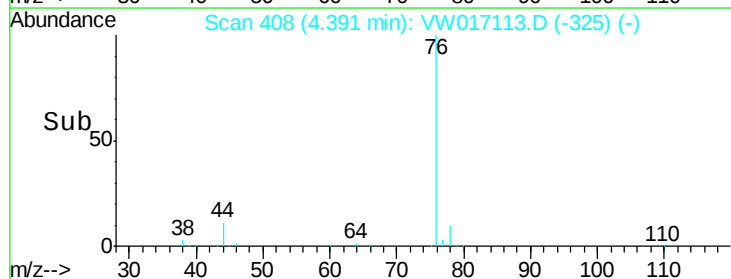
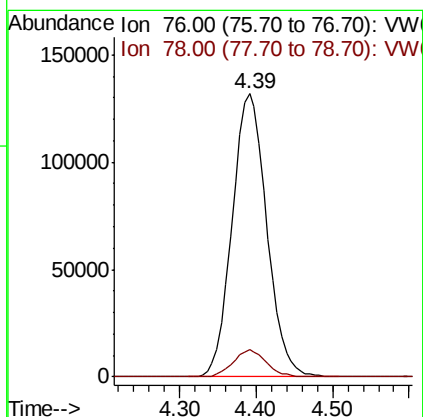
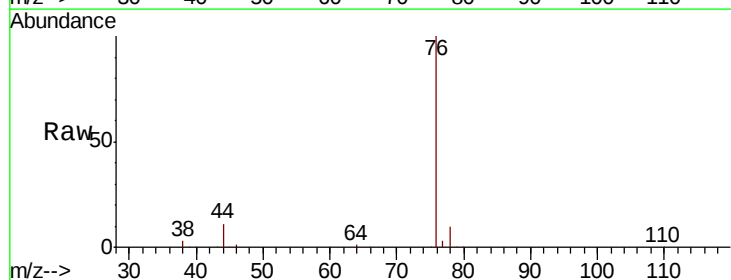
Acq: 09 Nov 2020 10:08

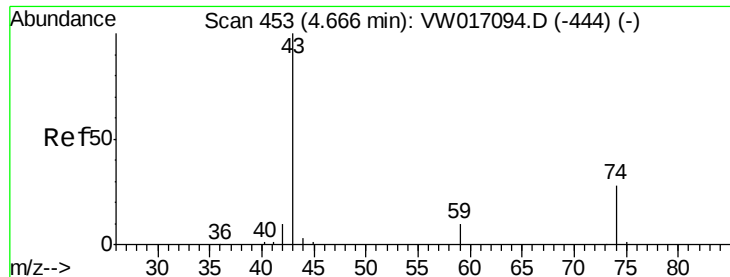
Tgt Ion: 76 Resp: 413779

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4





#15

Methyl Acetate

Concen: 20.725 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

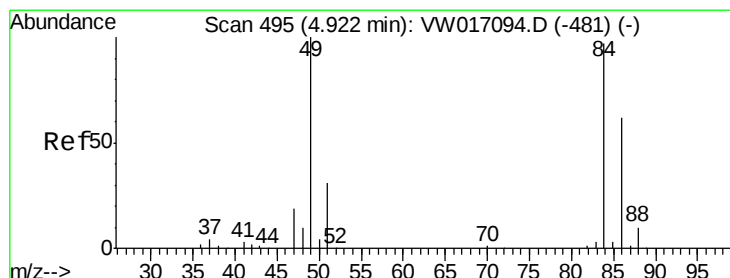
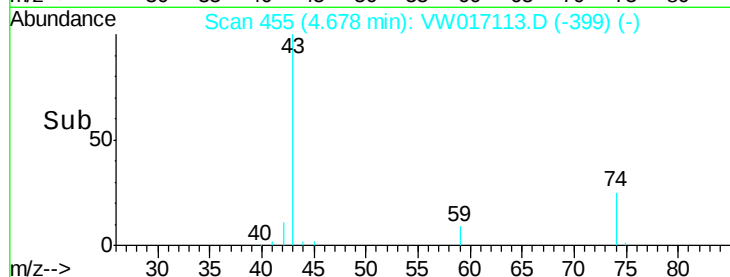
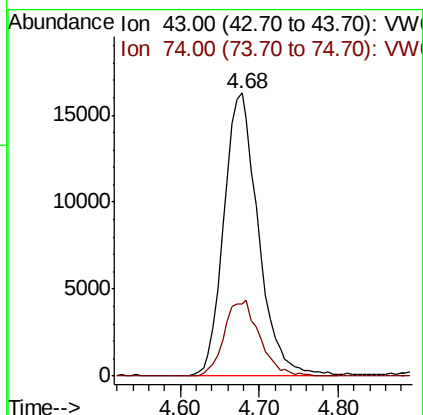
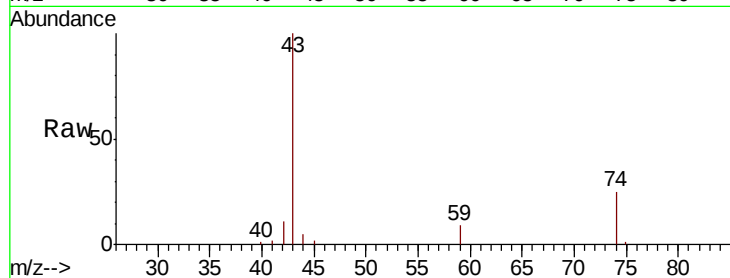
BFB01

Tot Ion: 43 Resp: 49605

Ion Ratio Lower Upper

43 100

74 26.9 21.5 32.3



#16

Methylene chloride

Concen: 22.285 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

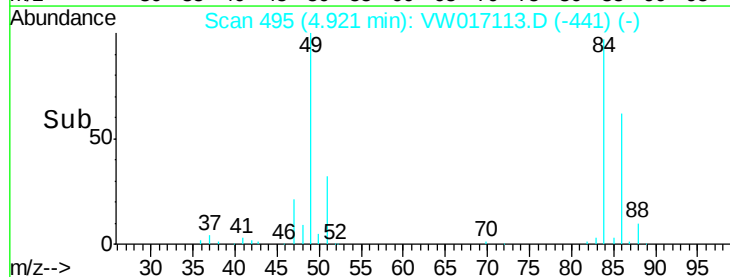
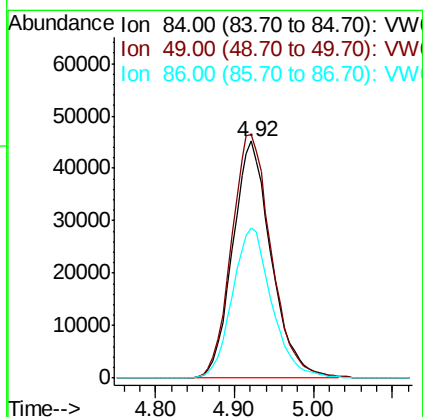
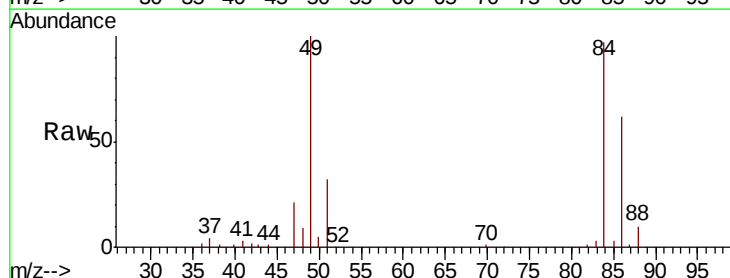
Tgt Ion: 84 Resp: 153835

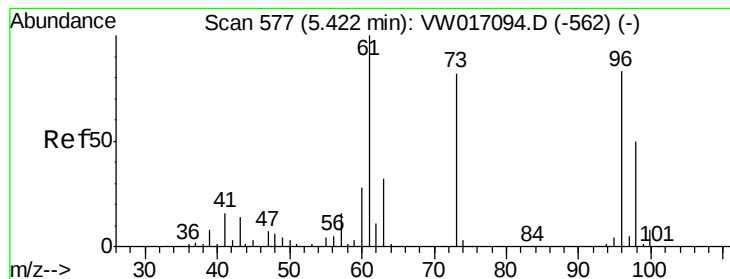
Ion Ratio Lower Upper

84 100

49 102.9 72.3 134.3

86 63.3 45.1 83.7



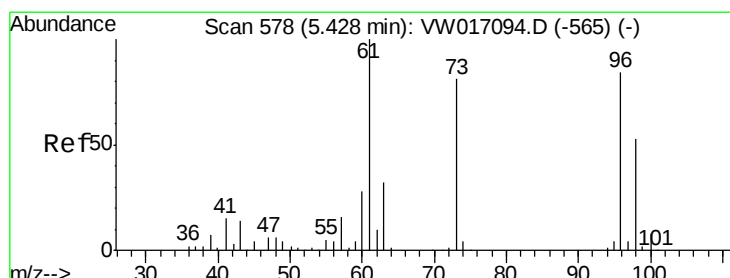
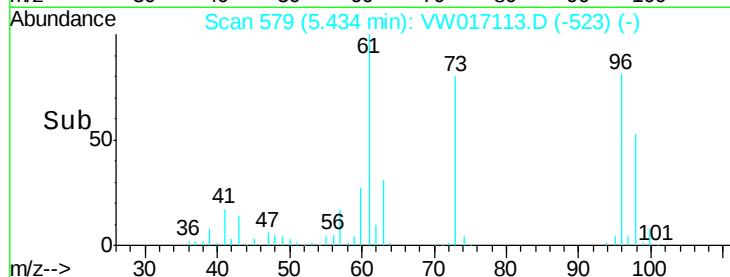
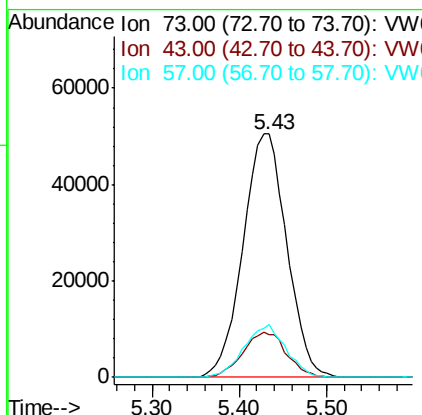
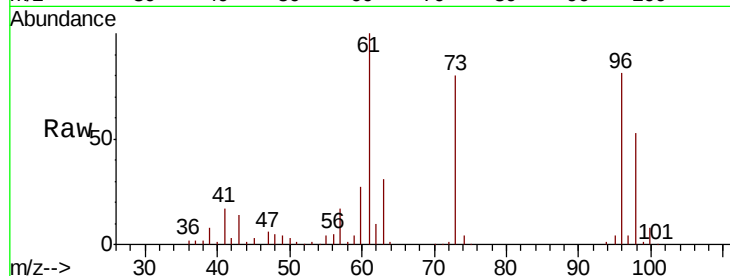


#17

Methyl tert-butyl Ether
 Concen: 22.618 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

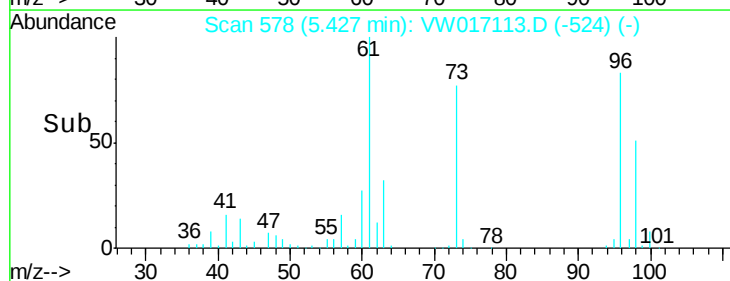
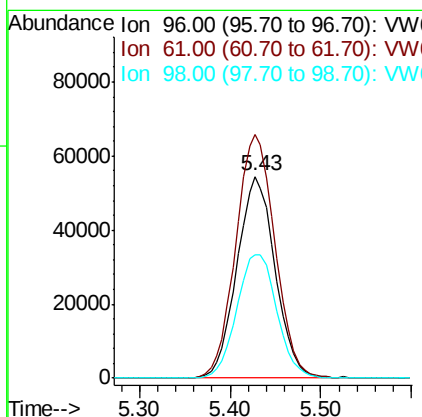
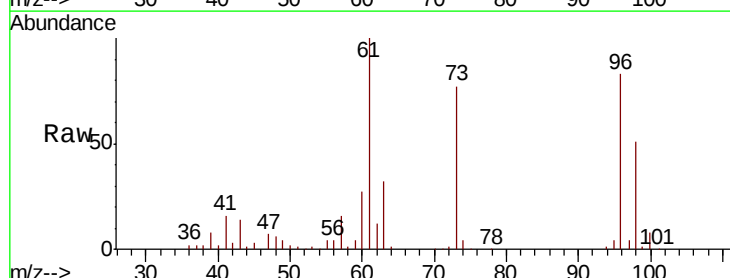
Tot Ion: 73 Resp: 175512
 Ion Ratio Lower Upper
 73 100
 43 18.6 14.5 21.7
 57 20.7 16.3 24.5

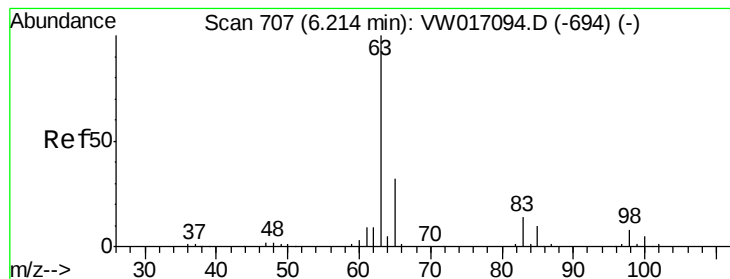


#18

trans-1,2-Dichloroethene
 Concen: 24.234 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Tgt Ion: 96 Resp: 159415
 Ion Ratio Lower Upper
 96 100
 61 120.7 86.8 161.2
 98 61.5 44.4 82.4





#19

1,1-Dichloroethane

Concen: 24.994 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

BFB01

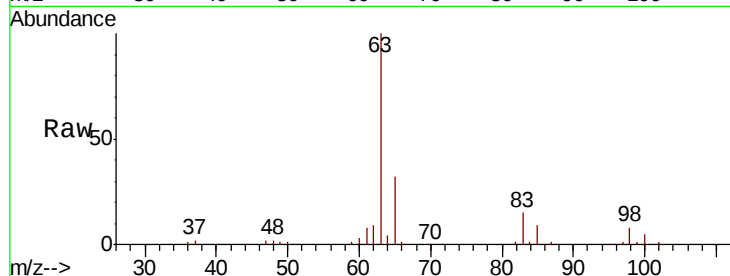
Tot Ion: 63 Resp: 260488

Ion Ratio Lower Upper

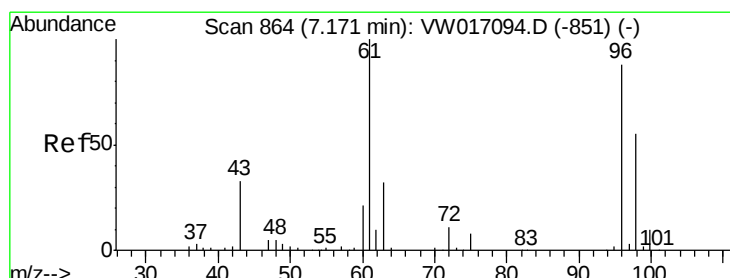
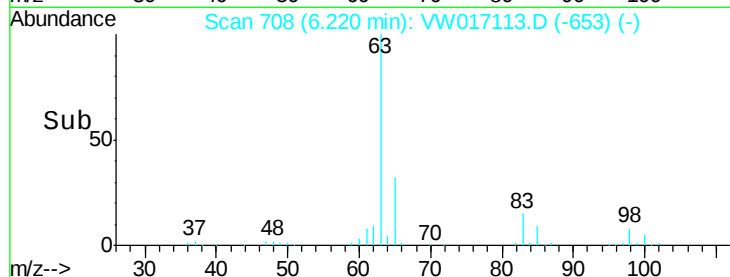
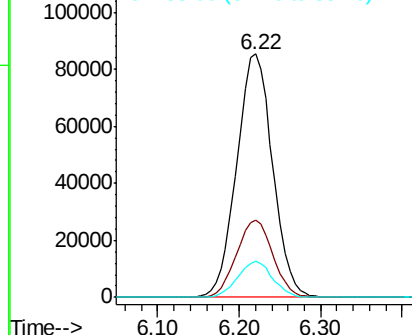
63 100

65 31.9 22.1 41.1

83 14.9 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: 40.006 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017113.D

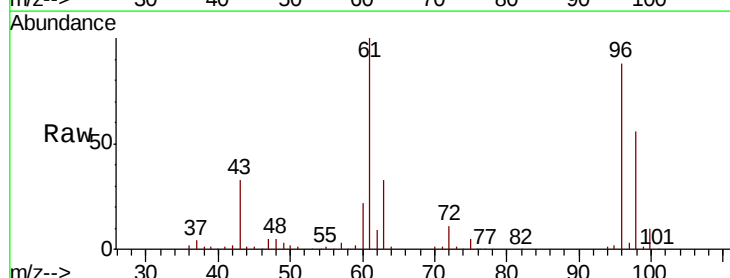
Acq: 09 Nov 2020 10:08

Tgt Ion: 43 Resp: 62032

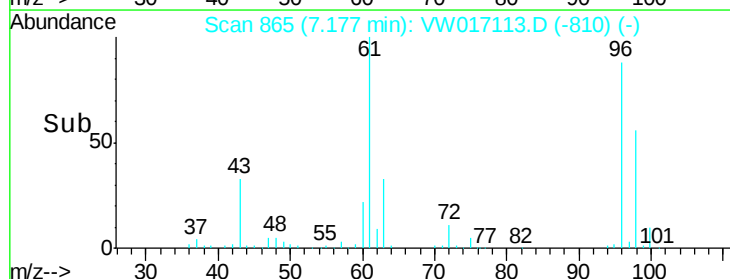
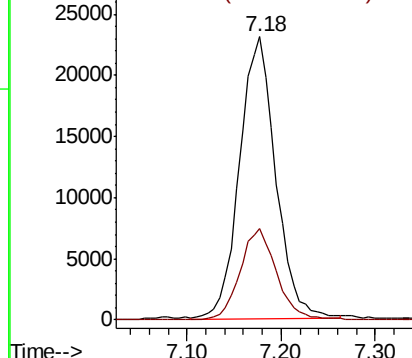
Ion Ratio Lower Upper

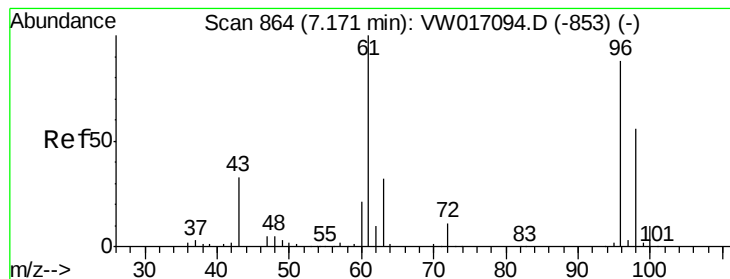
43 100

72 32.1 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: 24.115 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

BFB01

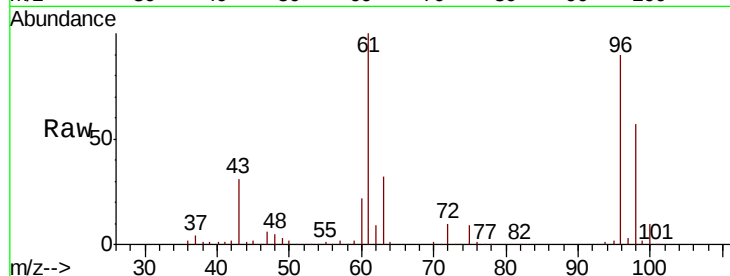
Tot Ion: 96 Resp: 167730

Ion Ratio Lower Upper

96 100

61 111.5 77.4 143.8

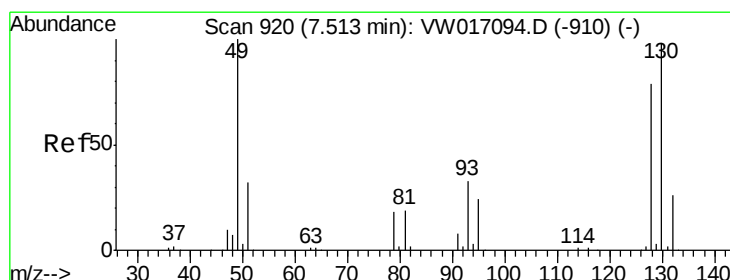
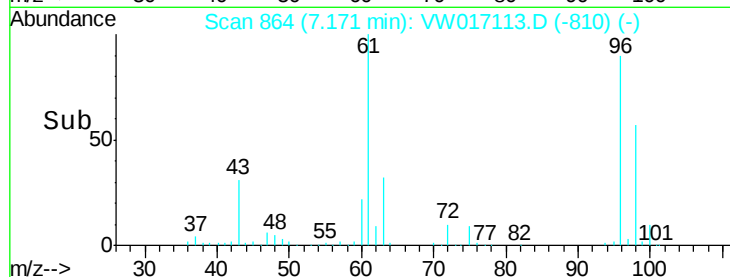
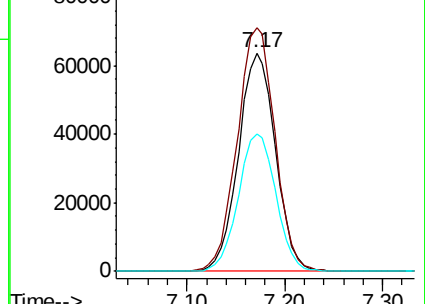
98 63.0 45.1 83.7



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



#23

Bromochloromethane

Concen: 23.672 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Tgt Ion: 128 Resp: 79271

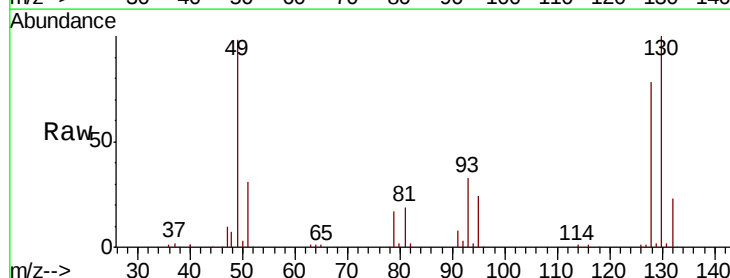
Ion Ratio Lower Upper

128 100

49 125.1 88.3 163.9

130 127.8 95.6 177.6

51 39.2 32.2 48.4

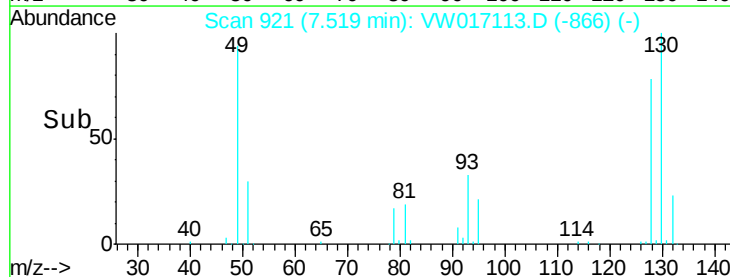
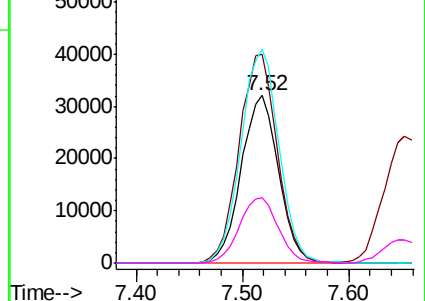


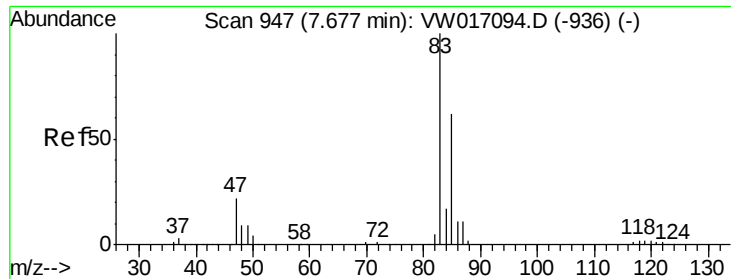
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

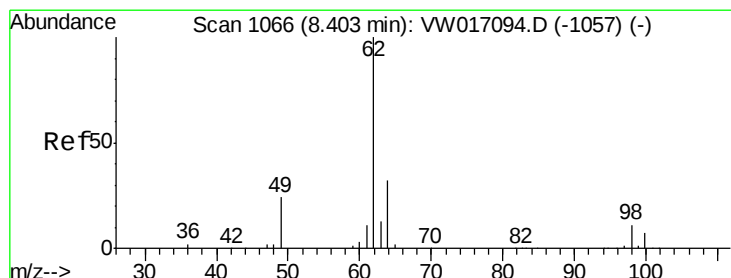
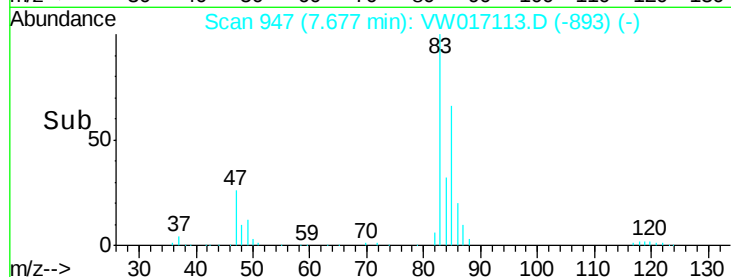
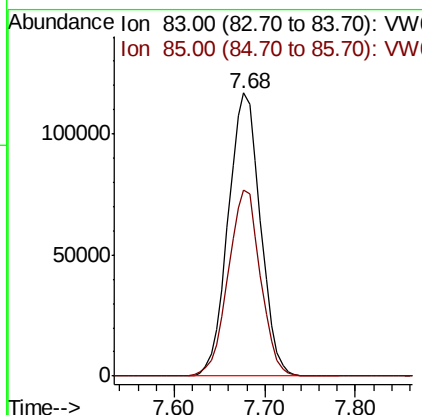
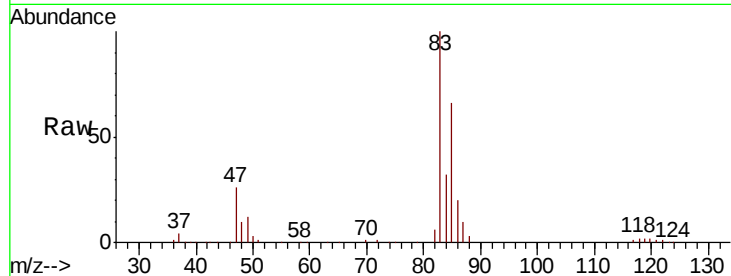




#25
Chloroform
Concen: 25.359 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

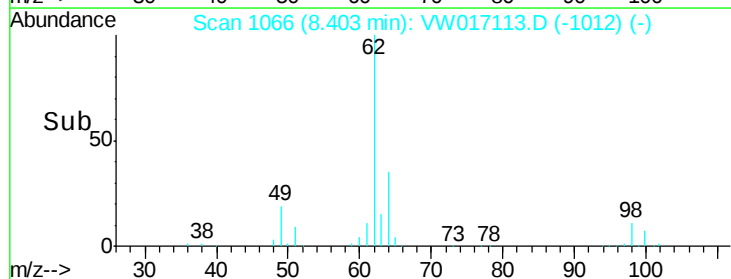
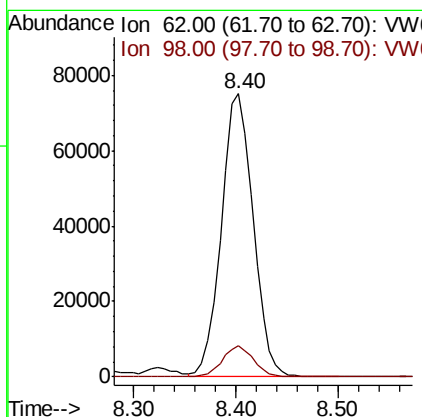
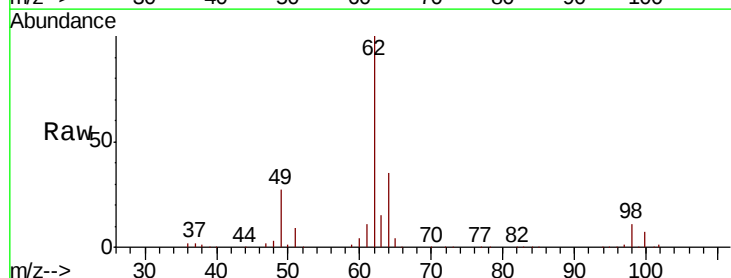
Instrument :
MSVOA_W
ClientSampleId :
BFB01

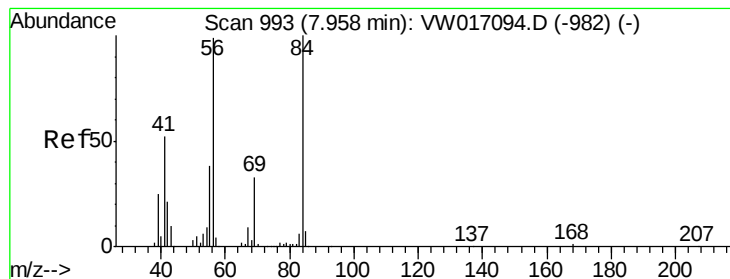
Tot Ion: 83 Resp: 287746
Ion Ratio Lower Upper
83 100
85 65.9 46.4 86.2



#27
1,2-Dichloroethane
Concen: 23.849 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion: 62 Resp: 162168
Ion Ratio Lower Upper
62 100
98 10.8 9.4 14.0





#30

Cyclohexane

Concen: 24.891 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

BFB01

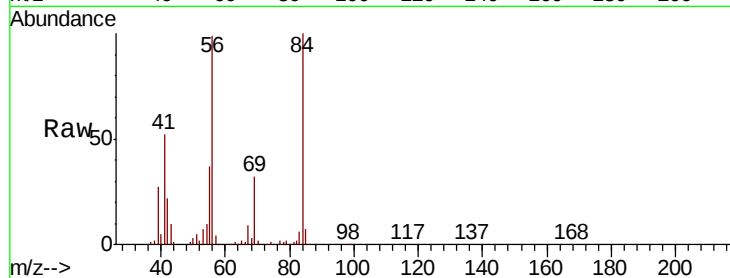
Tot Ion: 56 Resp: 218925

Ion Ratio Lower Upper

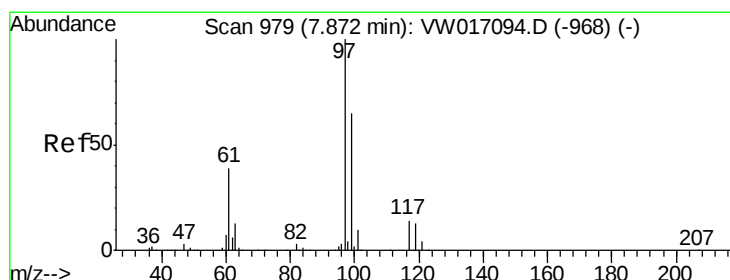
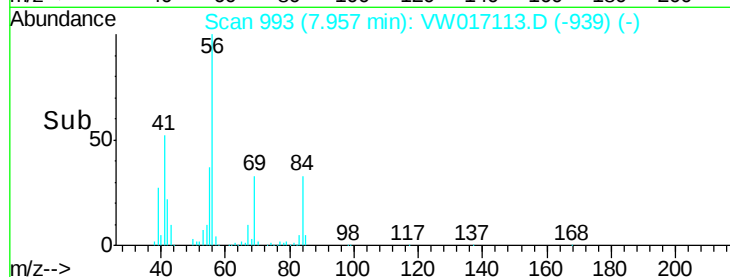
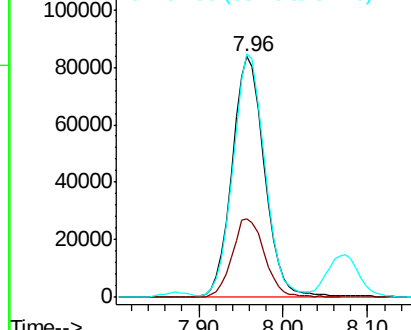
56 100

69 32.5 26.1 39.1

84 98.5 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: 26.287 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

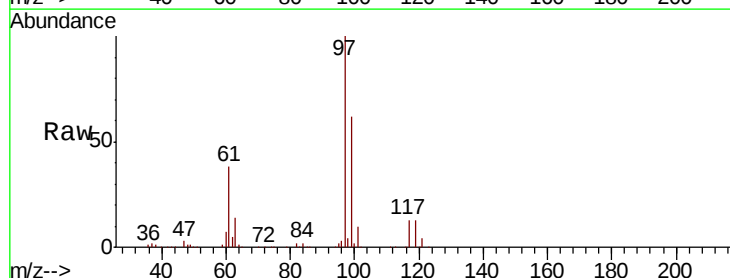
Tgt Ion: 97 Resp: 251462

Ion Ratio Lower Upper

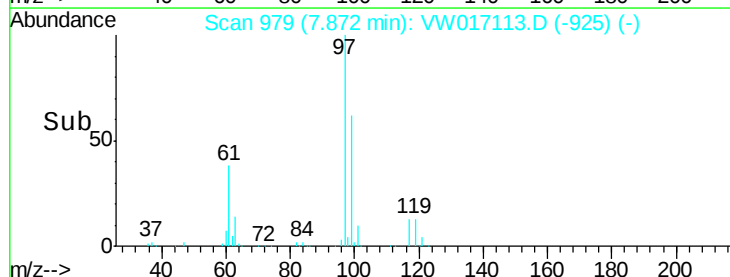
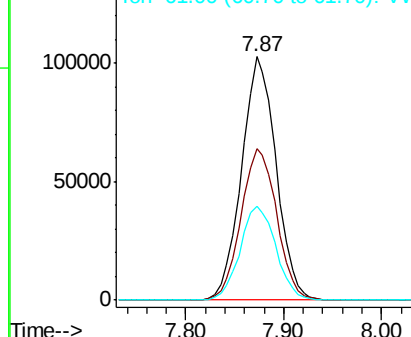
97 100

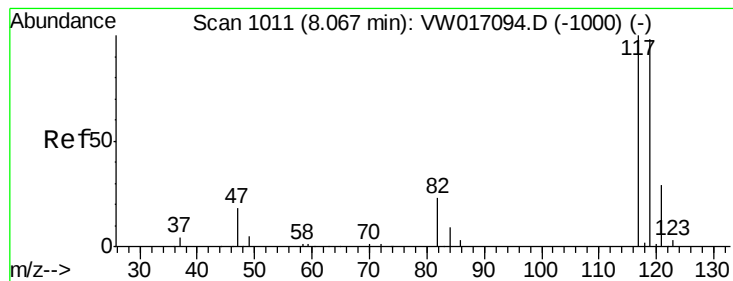
99 64.3 51.4 77.0

61 39.9 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: 26.396 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

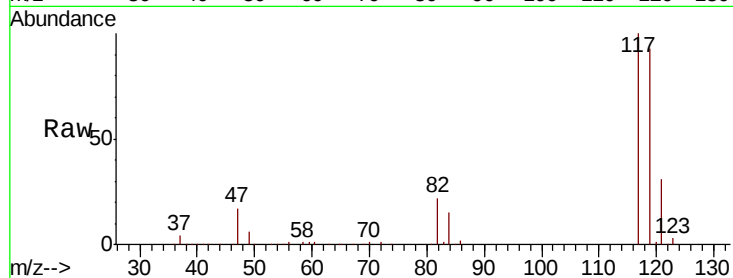
BFB01

Tot Ion:117 Resp: 243656

Ion Ratio Lower Upper

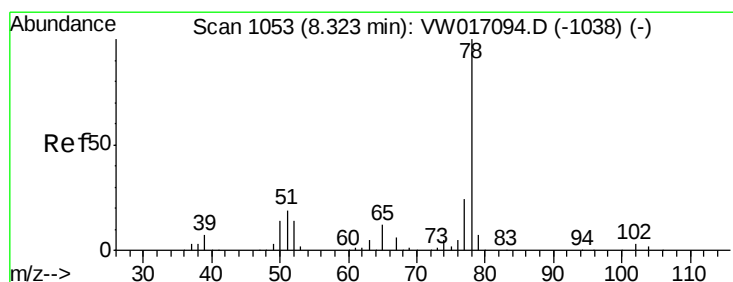
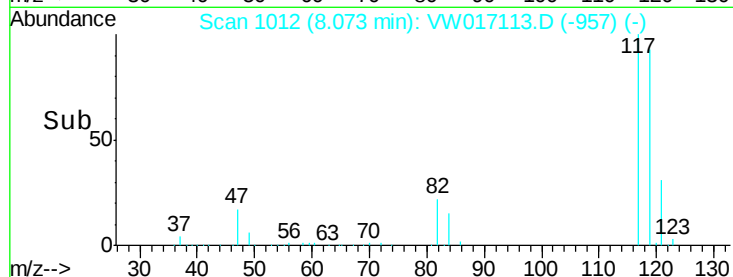
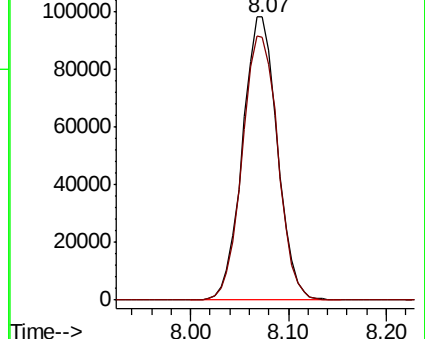
117 100

119 95.5 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.869 ug/L

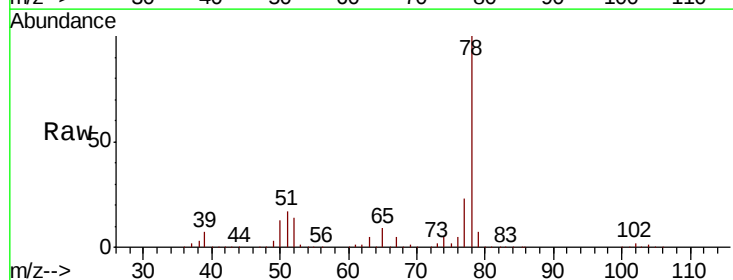
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

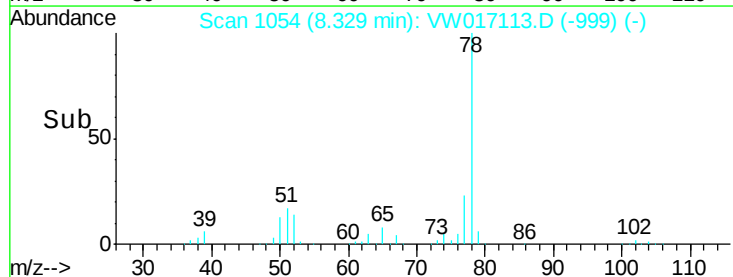
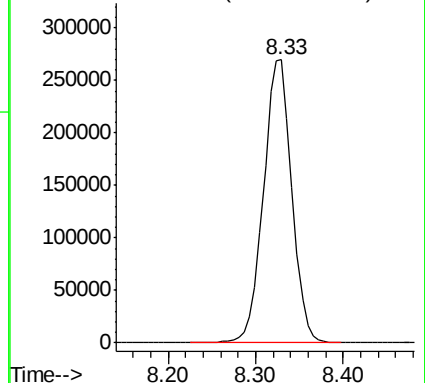
Lab File: VW017113.D

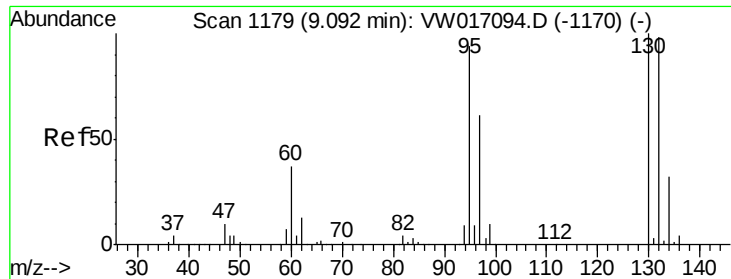
Acq: 09 Nov 2020 10:08

Tgt Ion: 78 Resp: 609999



Abundance Ion 78.00 (77.70 to 78.70): VW

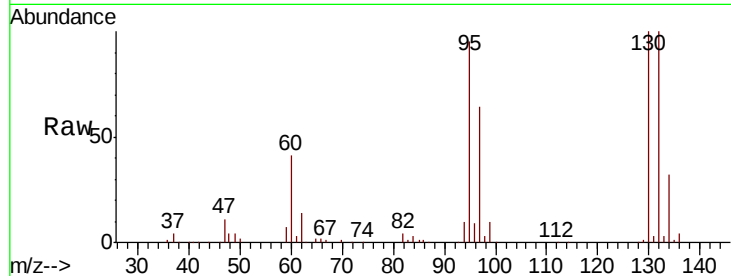




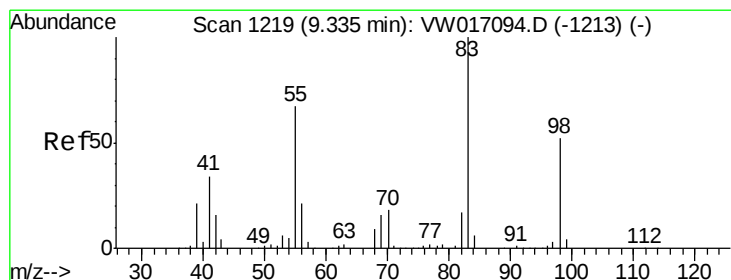
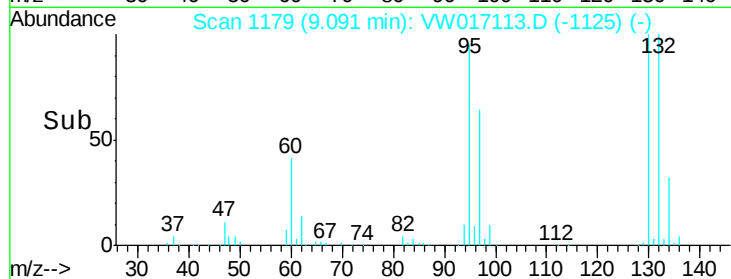
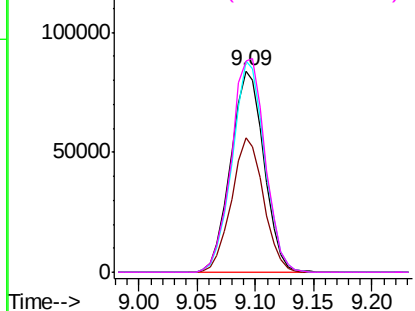
#35
 Trichloroethene
 Concen: 24.339 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

Tot Ion: 95 Resp: 167235
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.0 83.6
 132 102.1 73.7 136.9
 130 108.0 77.1 143.1

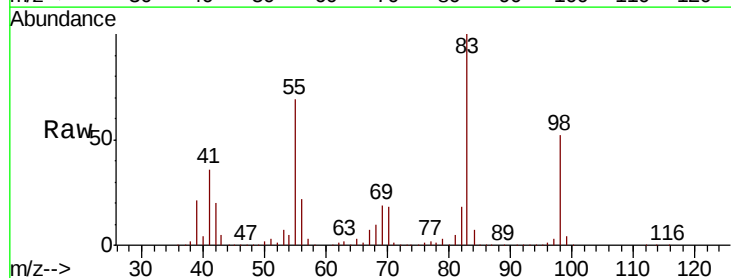


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

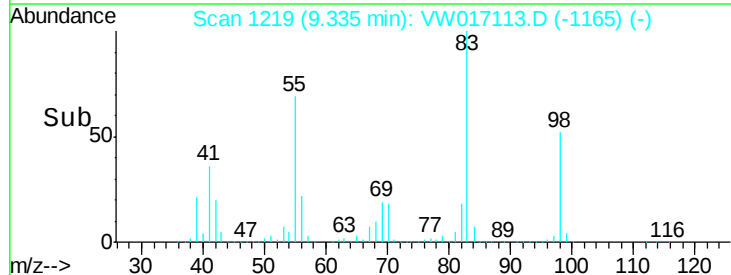
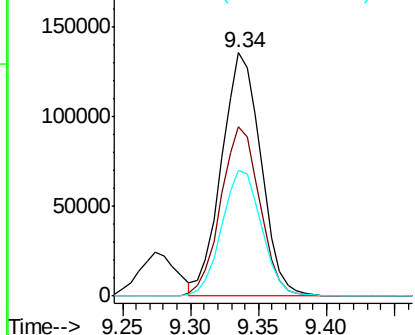


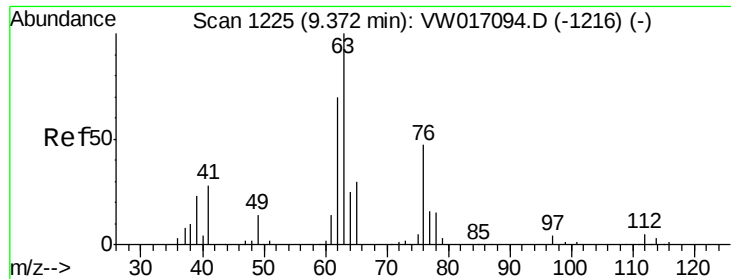
#36
 Methylcyclohexane
 Concen: 24.582 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Tgt Ion: 83 Resp: 271797
 Ion Ratio Lower Upper
 83 100
 55 69.5 54.4 81.6
 98 52.5 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

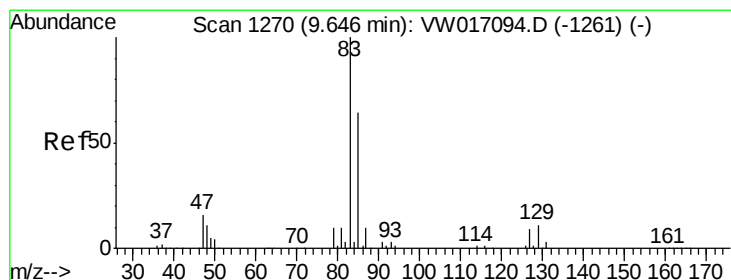
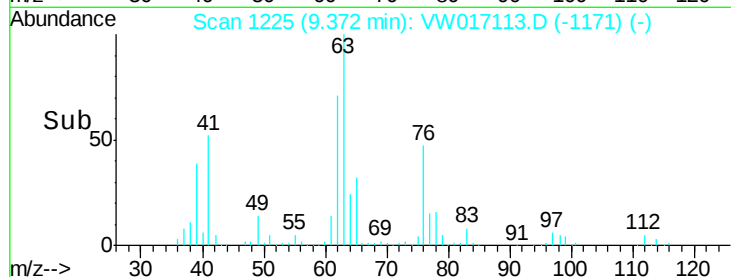
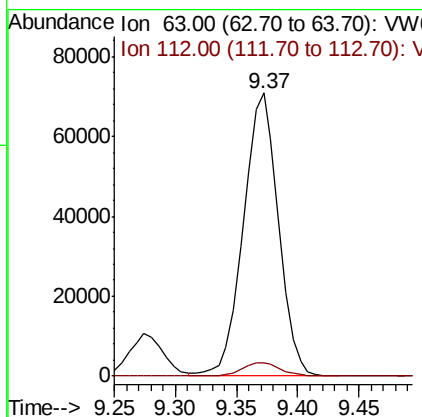
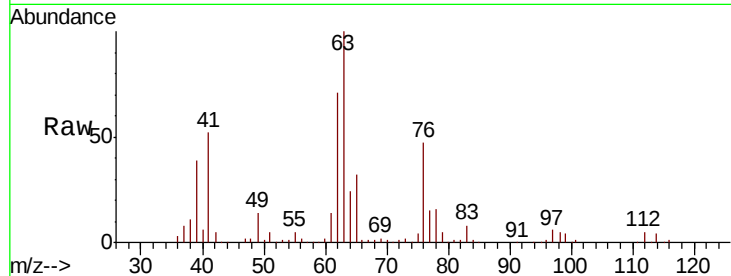




#40
 1,2-Dichloropropane
 Concen: 24.606 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

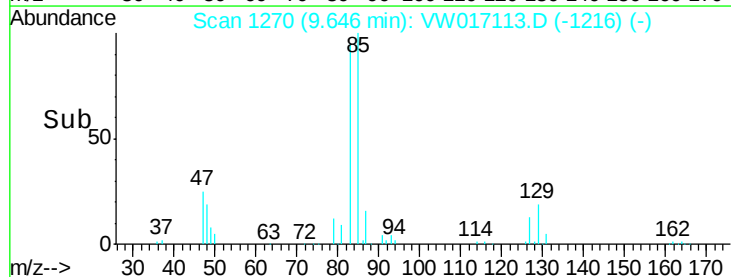
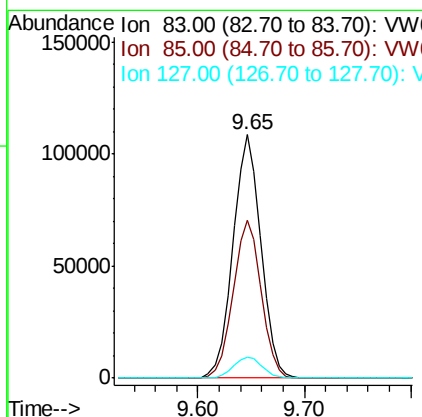
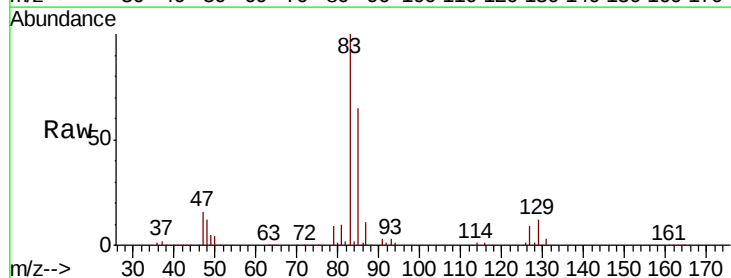
Instrument :
 MSVOA_W
 ClientSampled :
 BFB01

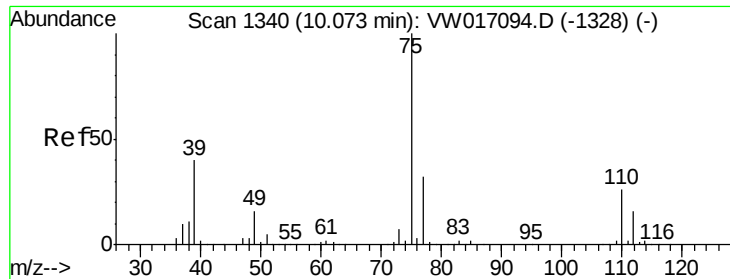
Tot Ion: 63 Resp: 141091
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.2



#41
 Bromodichloromethane
 Concen: 25.167 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Tgt Ion: 83 Resp: 199586
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.4 82.4
 127 8.7 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 24.635 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

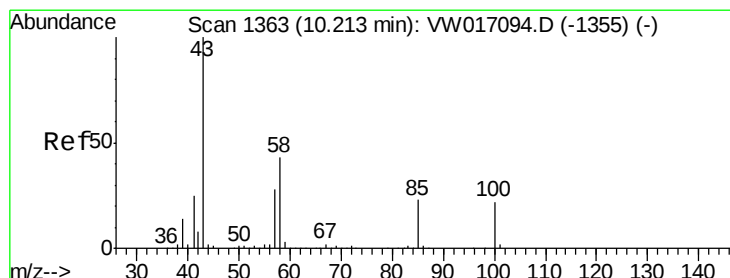
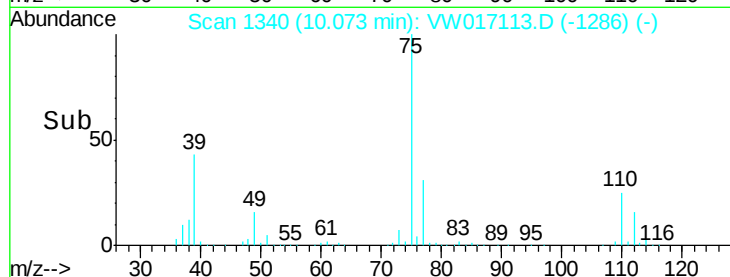
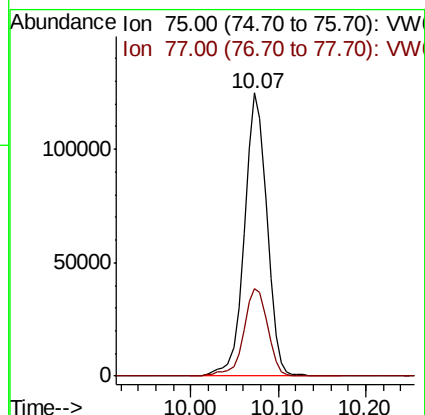
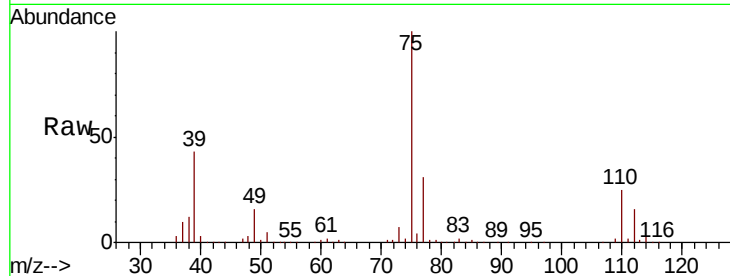
BFB01

Tot Ion: 75 Resp: 223737

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 39.902 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

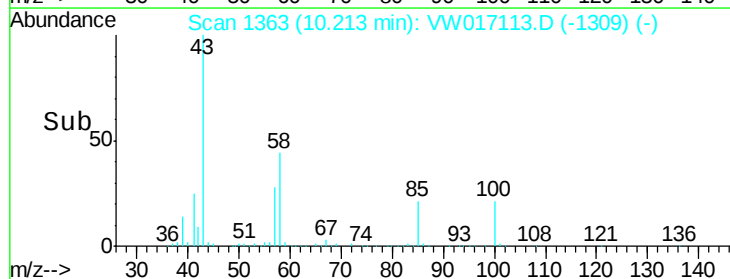
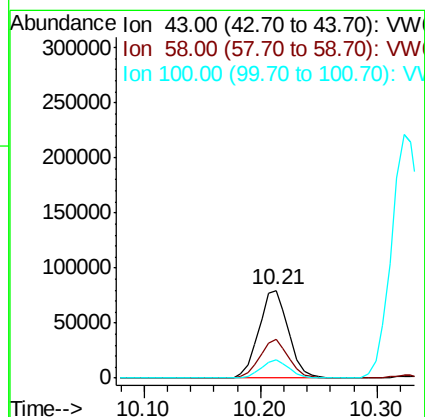
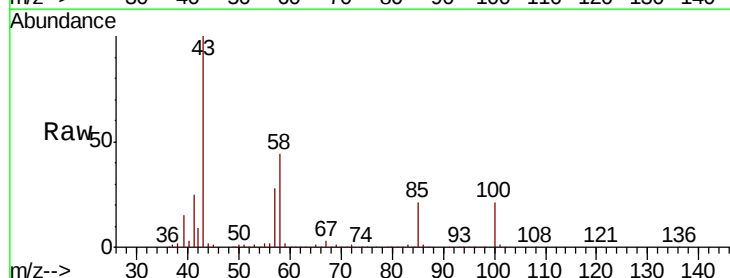
Tgt Ion: 43 Resp: 141156

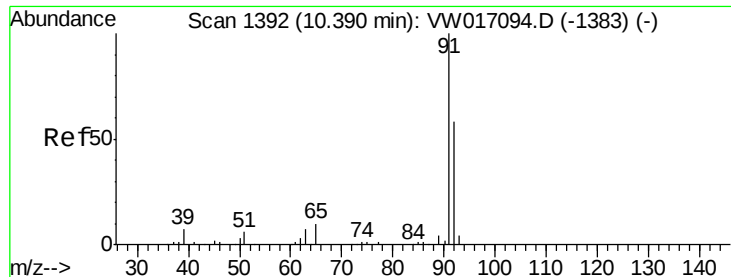
Ion Ratio Lower Upper

43 100

58 42.7 35.0 52.6

100 20.1 16.6 24.8





#44

Toluene

Concen: 25.292 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

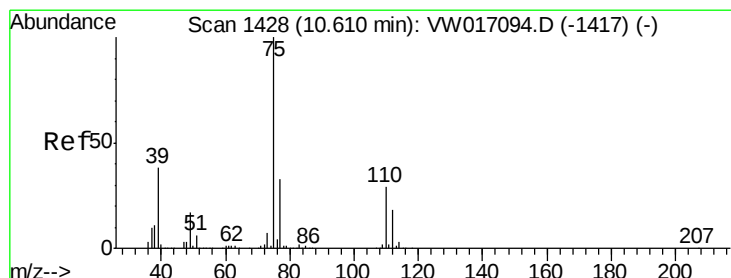
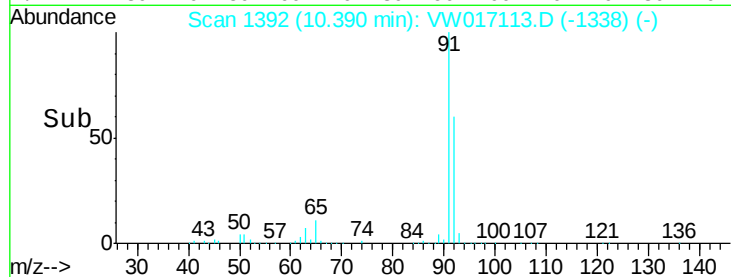
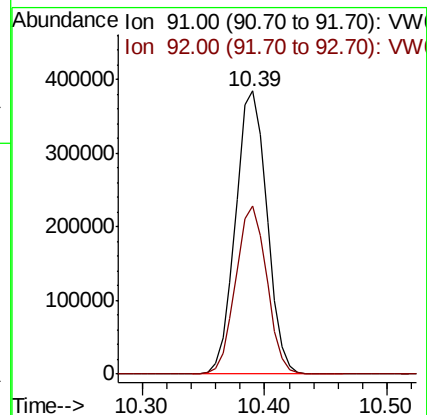
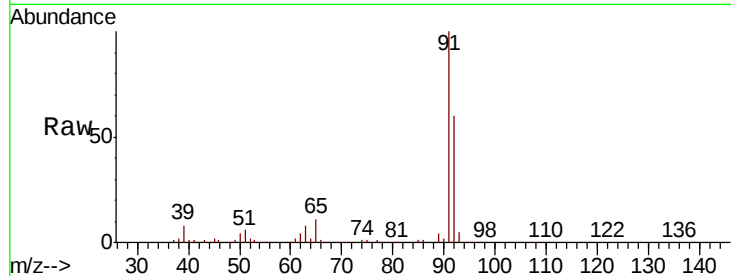
BFB01

Tot Ion: 91 Resp: 682883

Ion Ratio Lower Upper

91 100

92 59.6 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 24.866 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017113.D

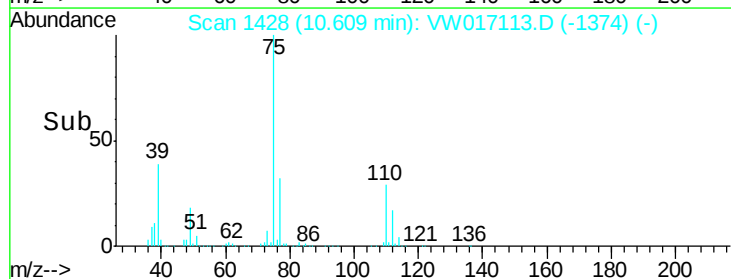
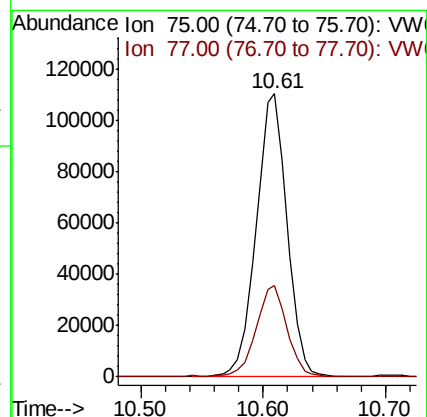
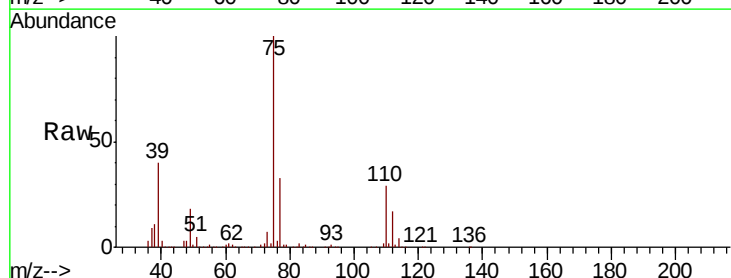
Acq: 09 Nov 2020 10:08

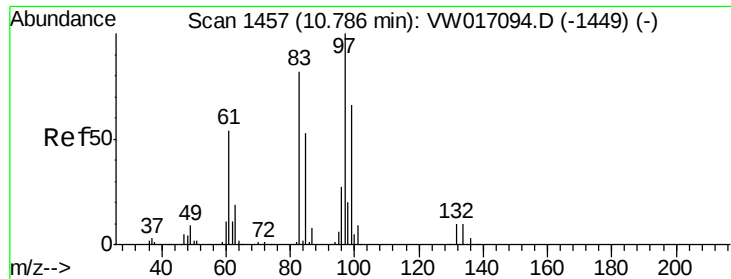
Tgt Ion: 75 Resp: 193945

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1

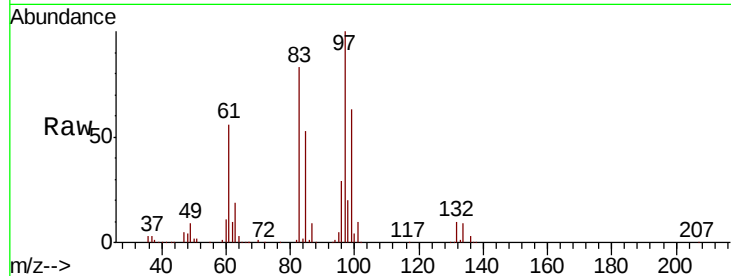




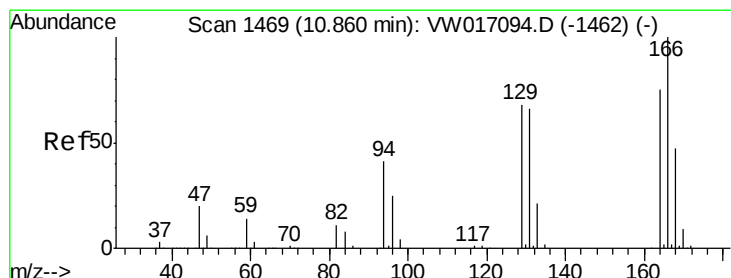
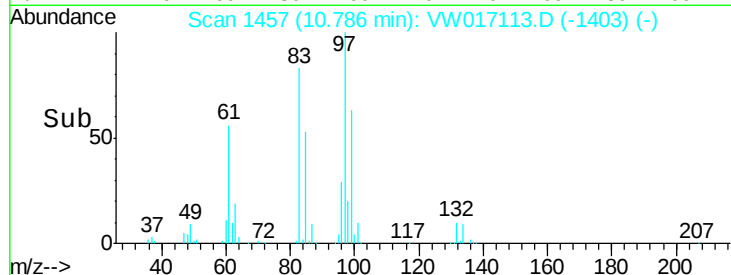
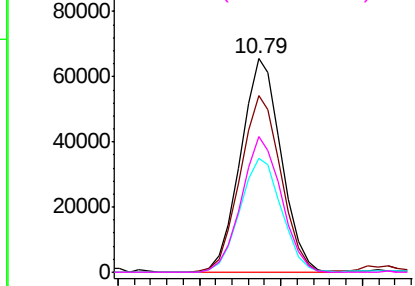
#46
 1,1,2-Trichloroethane
 Concen: 22.972 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampled :
 BFB01

Tot Ion: 97 Resp: 113565
 Ion Ratio Lower Upper
 97 100
 83 82.6 57.3 106.5
 85 53.1 37.2 69.0
 99 63.4 45.7 84.9

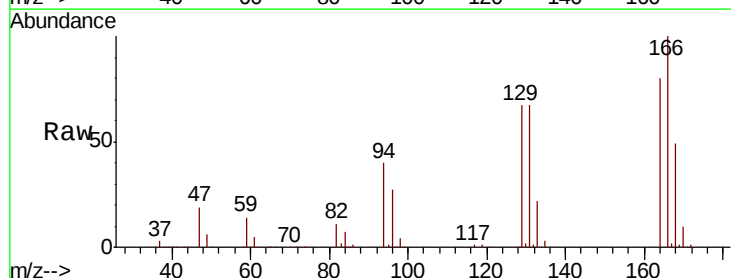


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

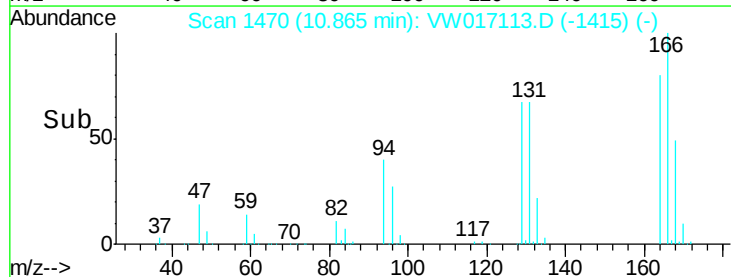
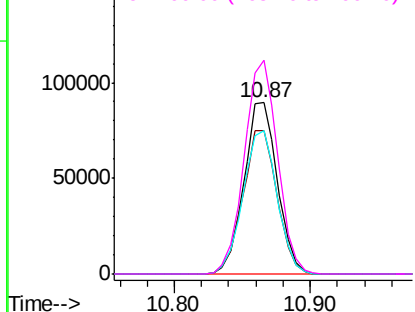


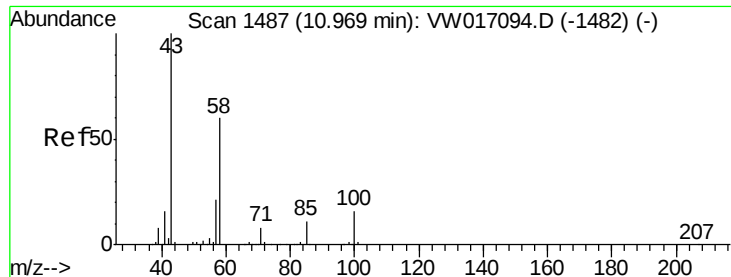
#47
 Tetrachloroethene
 Concen: 24.892 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Tgt Ion: 164 Resp: 154318
 Ion Ratio Lower Upper
 164 100
 129 83.8 62.9 116.7
 131 83.7 63.3 117.5
 166 124.7 92.0 170.8



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

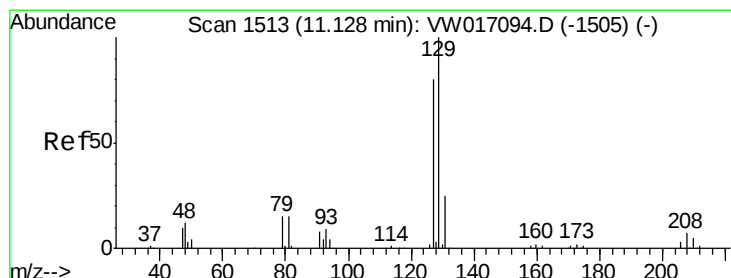
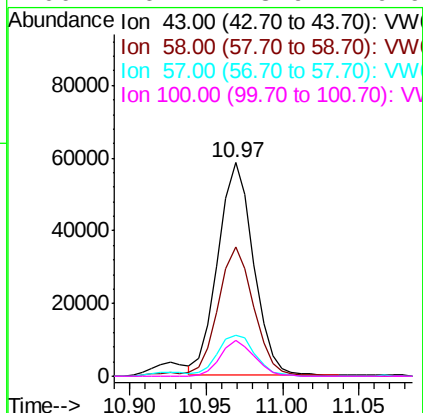
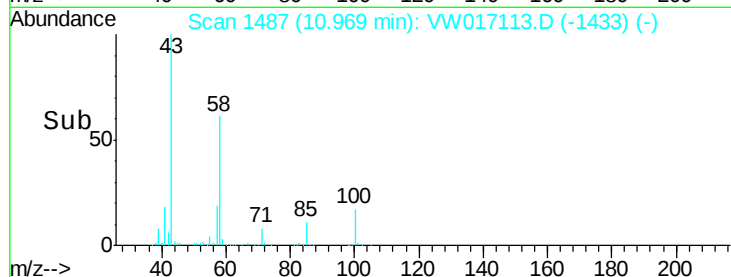
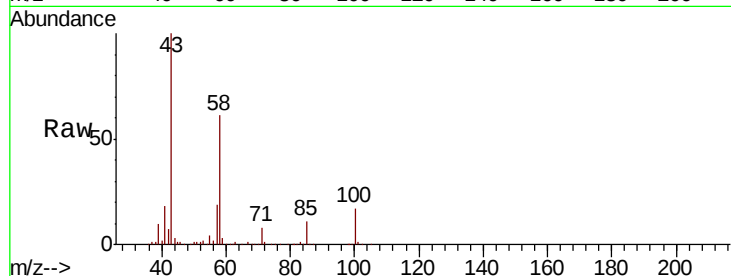




#49
2-Hexanone
Concen: 44.530 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

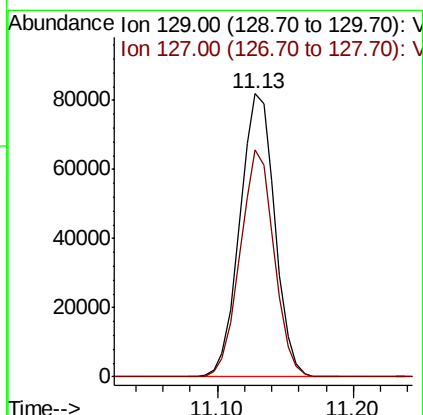
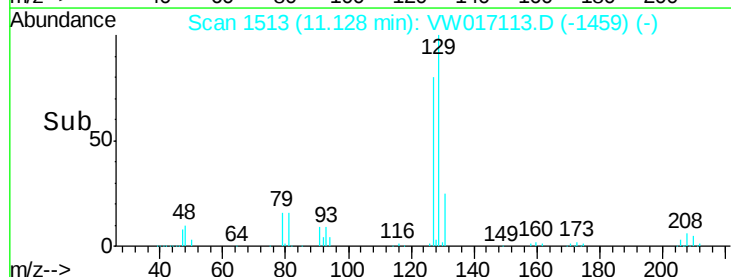
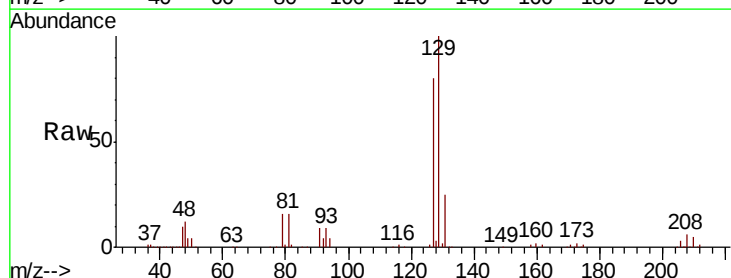
Instrument :
MSVOA_W
ClientSampleId :
BFB01

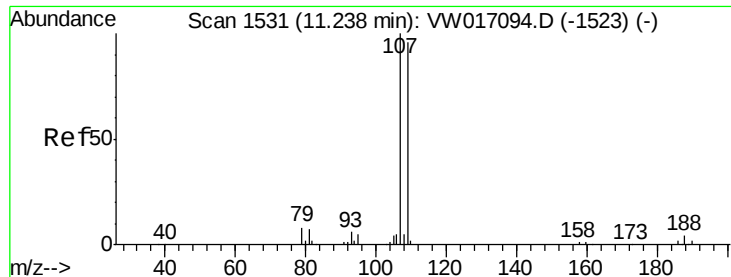
Tot Ion: 43 Resp: 94971
Ion Ratio Lower Upper
43 100
58 61.0 50.6 75.8
57 20.5 17.8 26.6
100 16.2 13.9 20.9



#50
Dibromochloromethane
Concen: 24.384 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion: 129 Resp: 146865
Ion Ratio Lower Upper
129 100
127 80.2 54.3 100.9

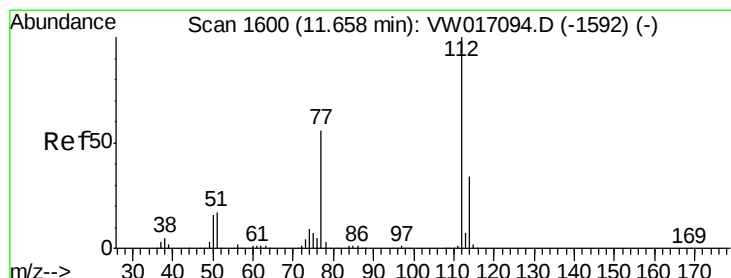
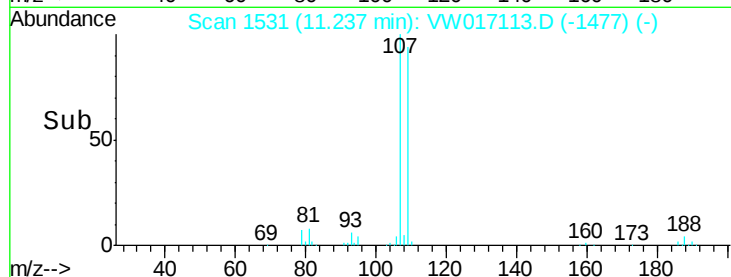
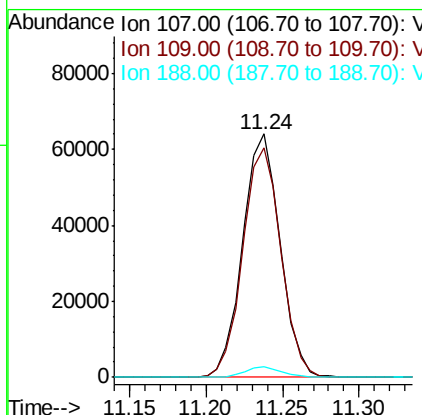
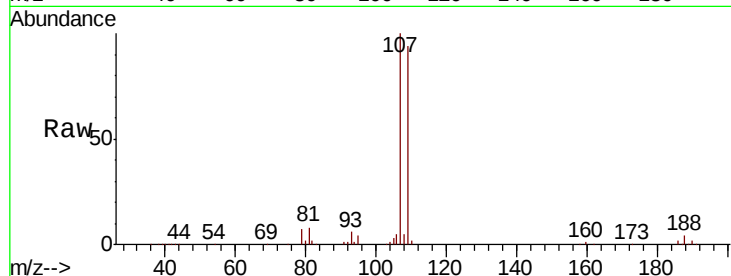




#51
1,2-Dibromoethane
Concen: 22.769 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

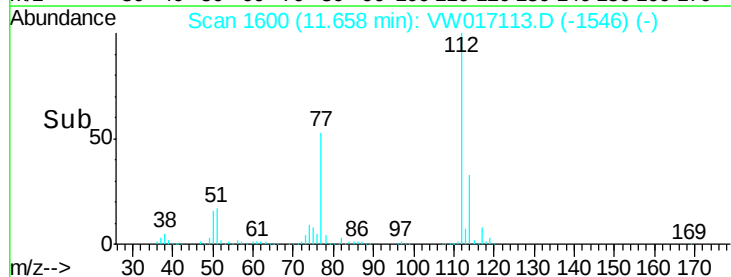
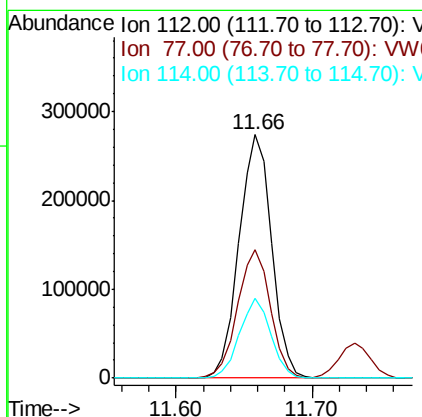
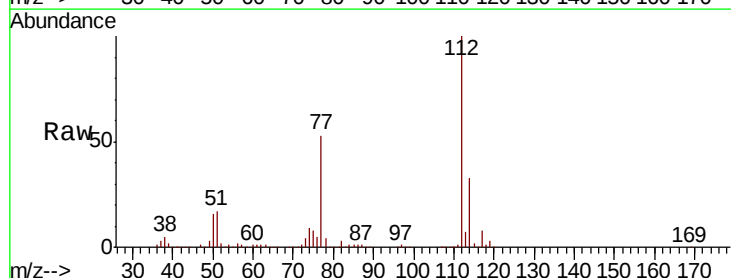
Instrument :
MSVOA_W
ClientSampleId :
BFB01

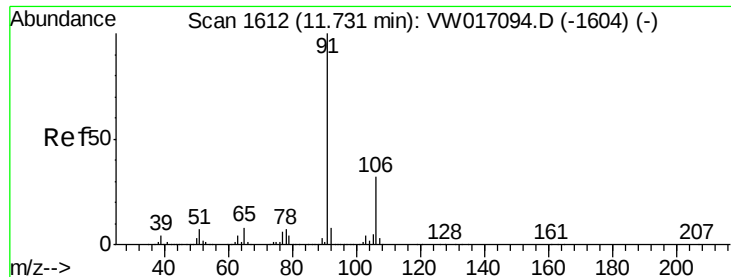
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	64.3	119.5
188	4.4	3.3	4.9



#52
Chlorobenzene
Concen: 25.062 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.8	41.7	62.5
114	32.6	22.3	41.3

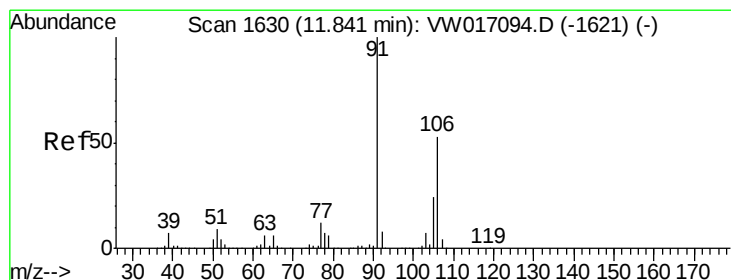
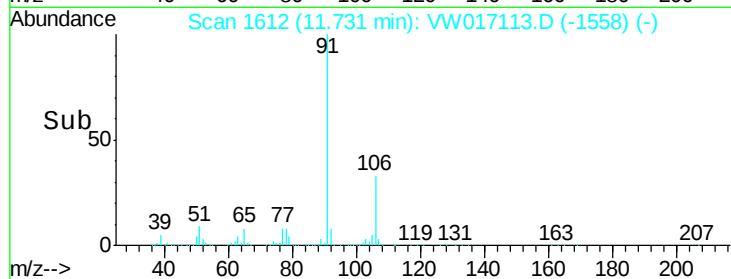
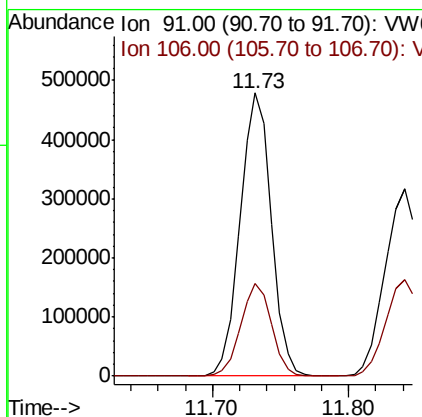
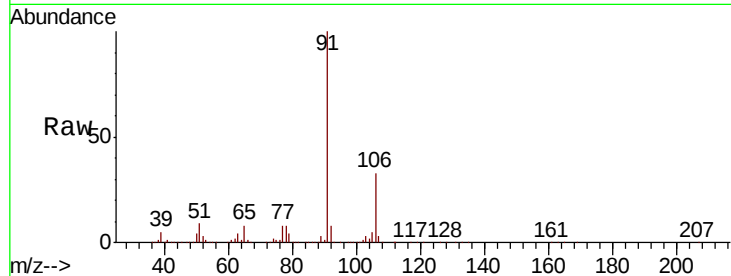




#53
Ethylbenzene
Concen: 25.333 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

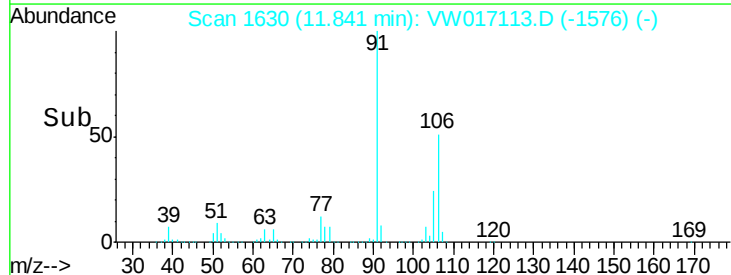
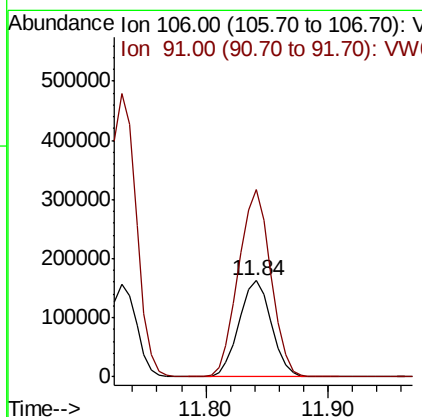
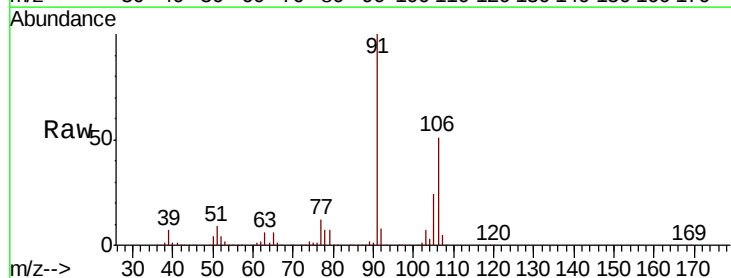
Instrument :
MSVOA_W
ClientSampled :
BFB01

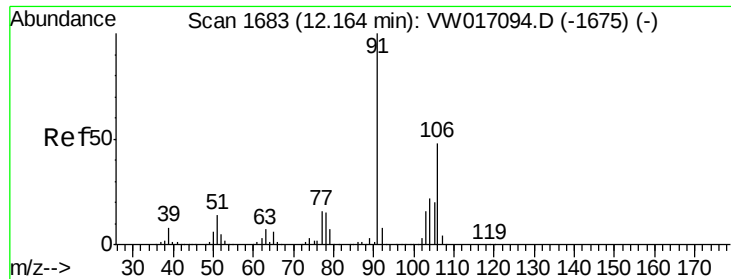
Tot Ion: 91 Resp: 763991
Ion Ratio Lower Upper
91 100
106 32.9 22.9 42.5



#54
m,p-Xylene
Concen: 25.501 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion: 106 Resp: 300839
Ion Ratio Lower Upper
106 100
91 195.4 138.7 257.5

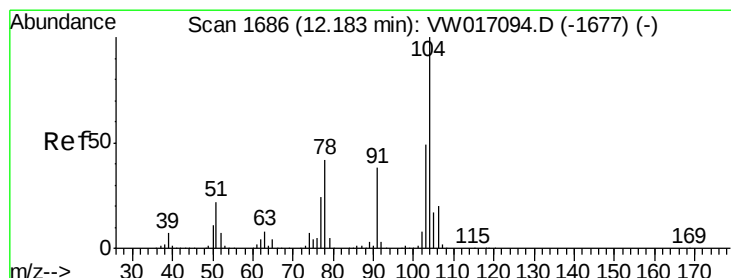
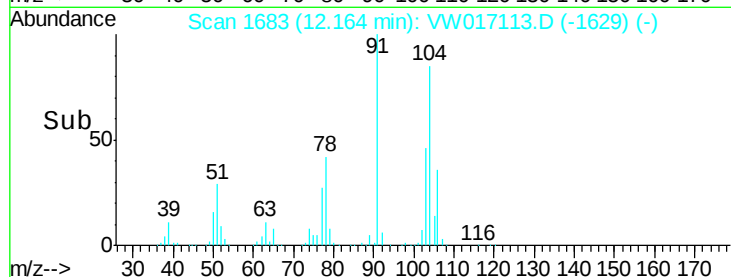
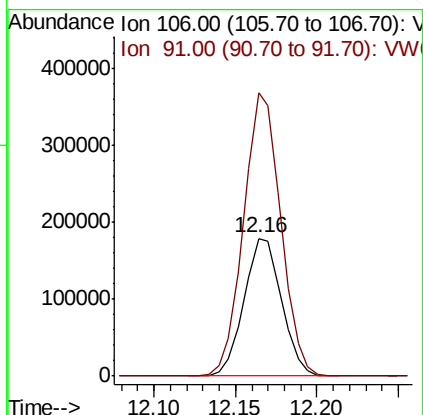
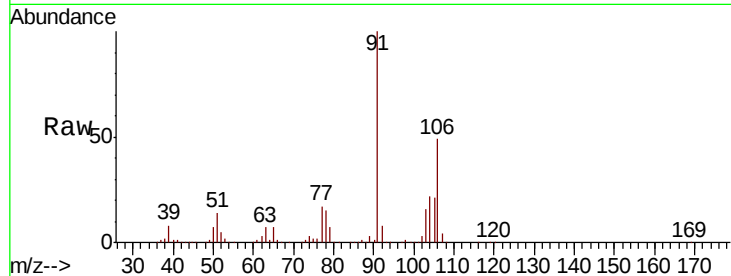




#55
o-xylene
Concen: 25.730 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

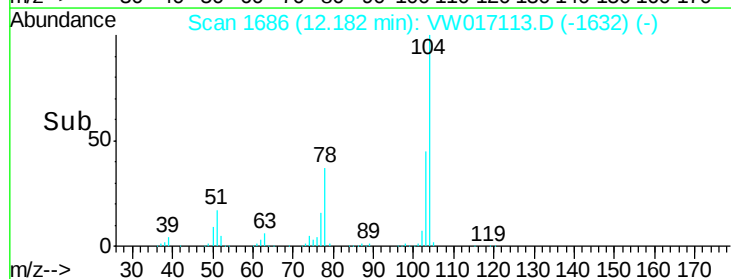
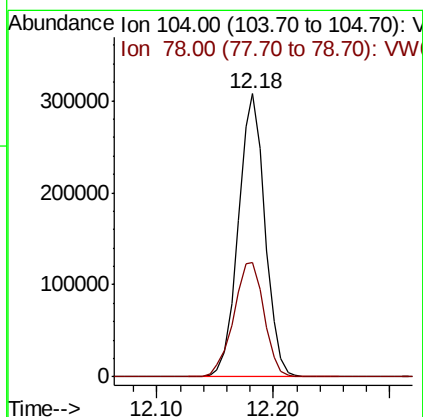
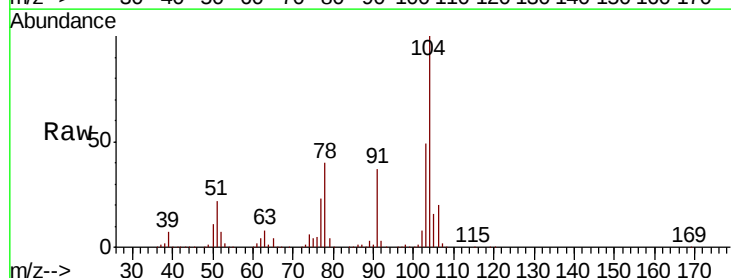
Instrument :
MSVOA_W
ClientSampled :
BFB01

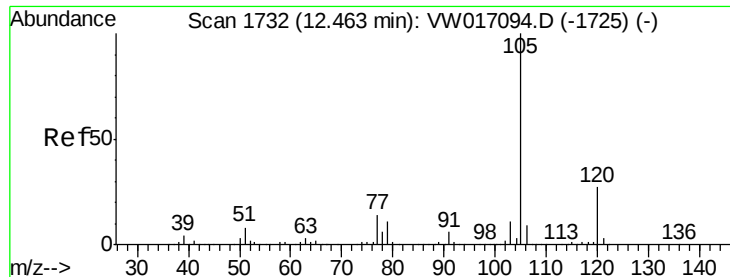
Tot Ion:106 Resp: 288102
Ion Ratio Lower Upper
106 100
91 205.7 140.8 261.4



#56
Styrene
Concen: 26.058 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion:104 Resp: 489883
Ion Ratio Lower Upper
104 100
78 40.4 28.2 52.4





#57

Isopropylbenzene

Concen: 25.795 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

BFB01

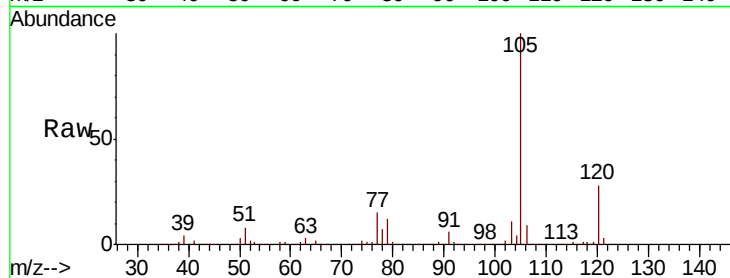
Tot Ion: 105 Resp: 783872

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.6

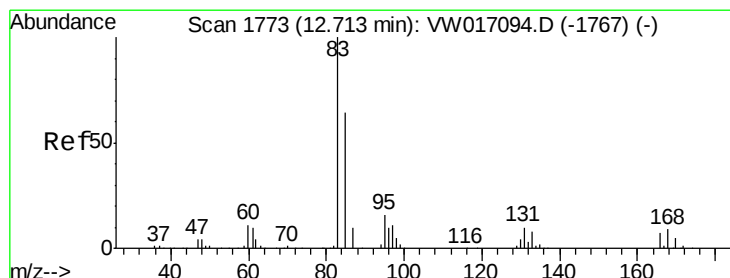
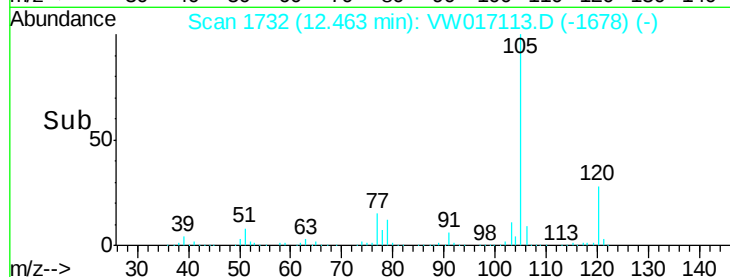
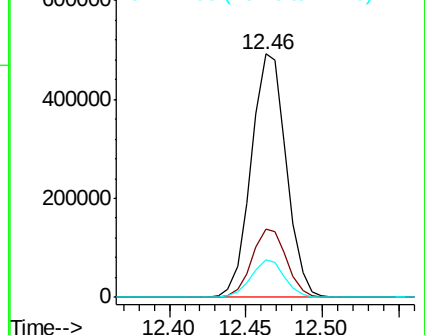
77 14.8 11.4 17.0



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



#58

1,1,2,2-Tetrachloroethane

Concen: 22.677 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

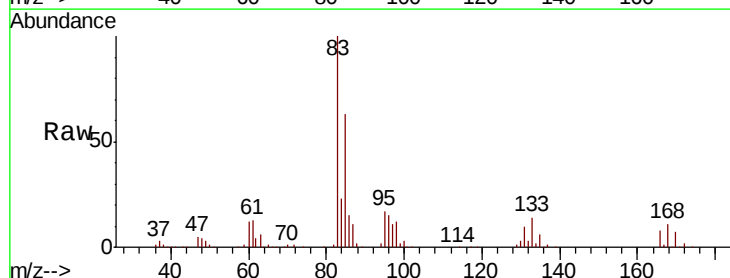
Tgt Ion: 83 Resp: 129509

Ion Ratio Lower Upper

83 100

85 62.7 44.9 83.5

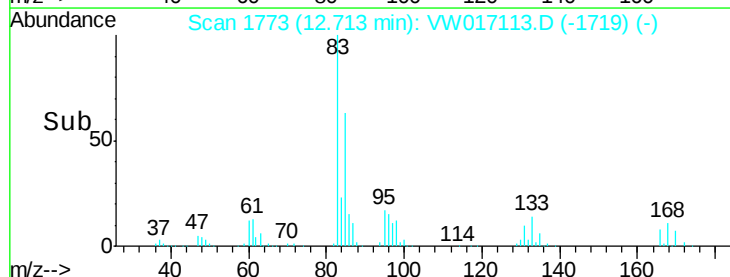
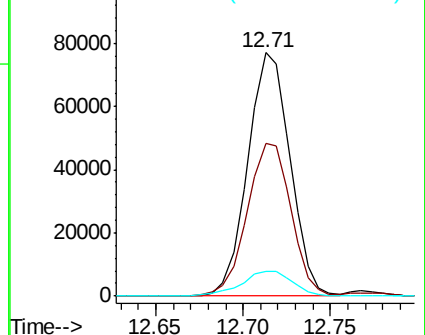
131 10.4 8.8 13.2

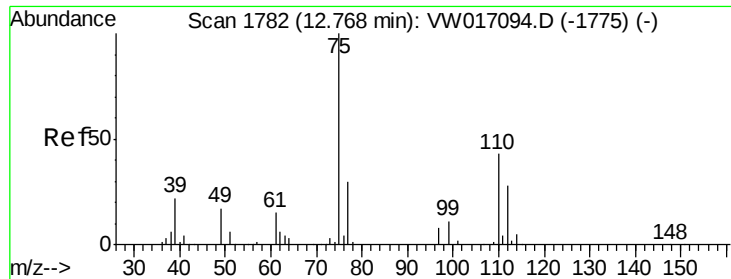


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.033 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

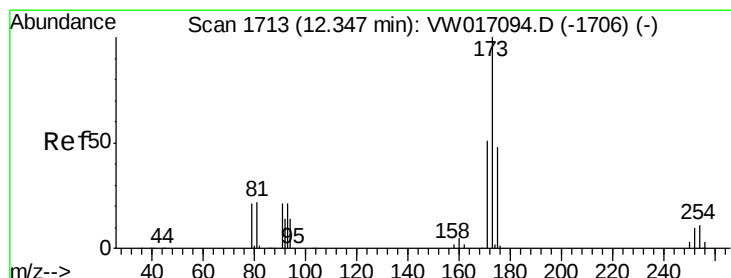
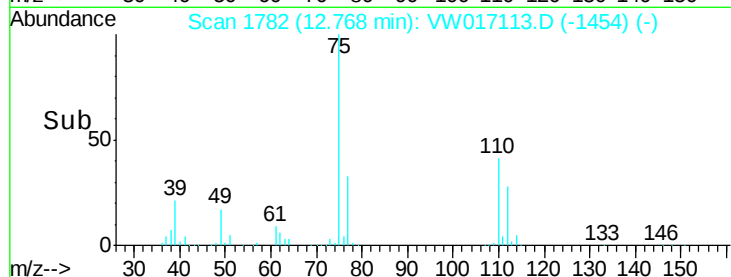
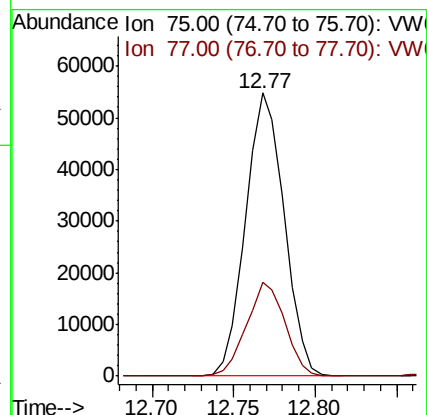
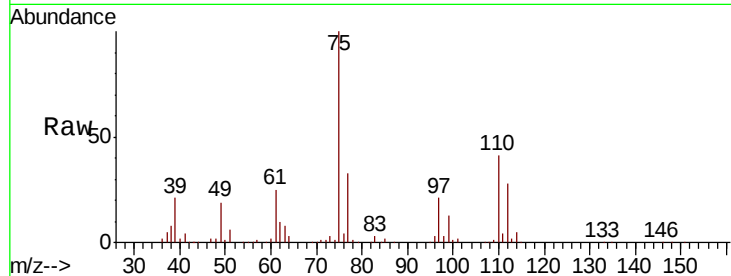
BFB01

Tot Ion: 75 Resp: 90446

Ion Ratio Lower Upper

75 100

77 33.1 26.4 39.6



#62

Bromoform

Concen: 23.530 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

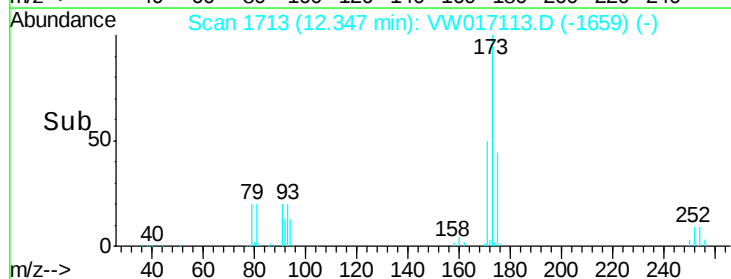
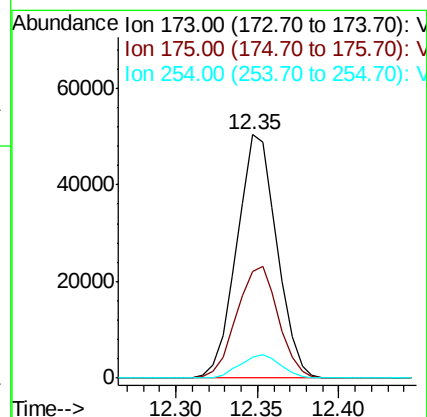
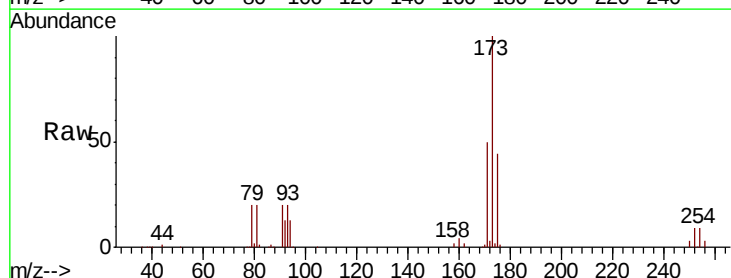
Tgt Ion: 173 Resp: 86217

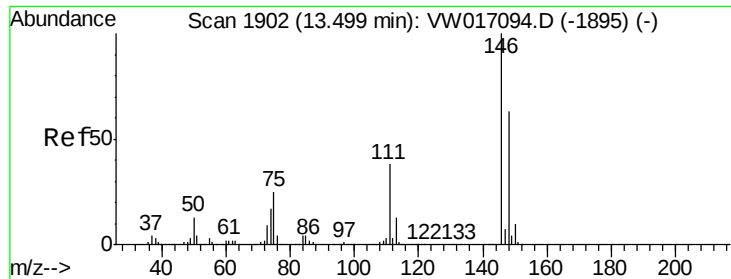
Ion Ratio Lower Upper

173 100

175 47.5 38.3 57.5

254 9.6 8.1 12.1

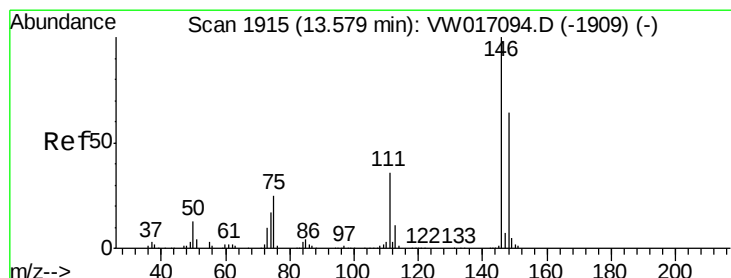
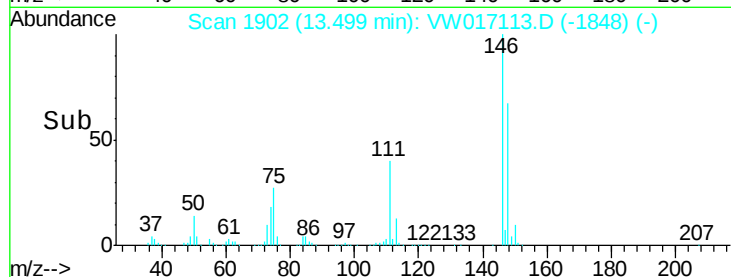
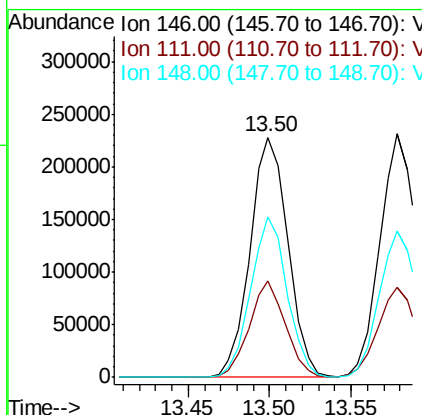
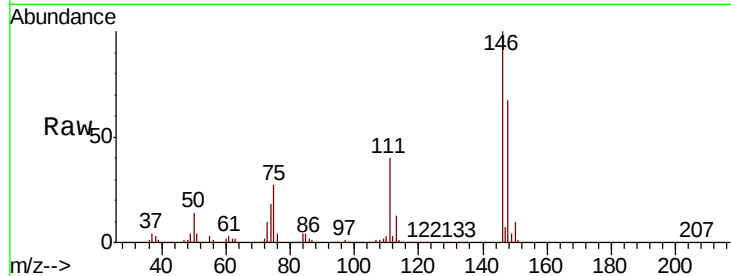




#63
 1,3-Dichlorobenzene
 Concen: 24.736 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

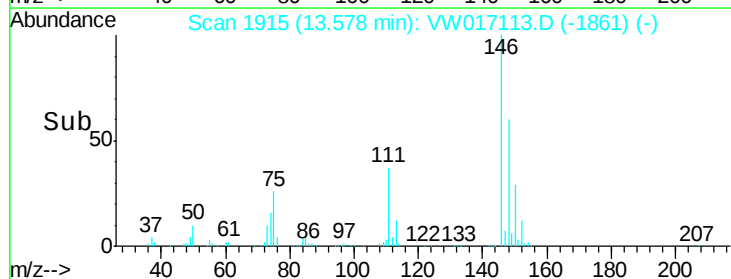
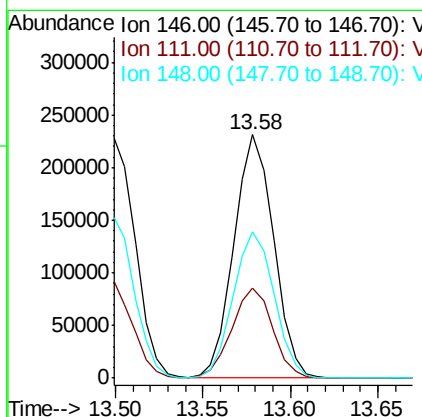
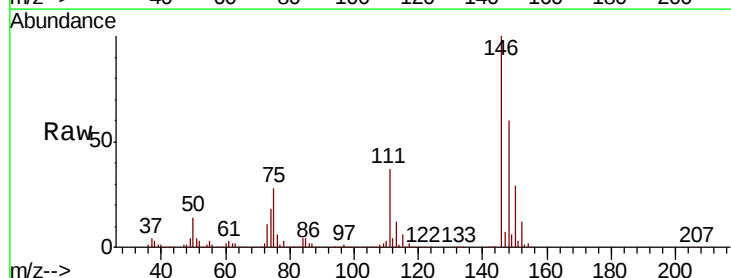
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

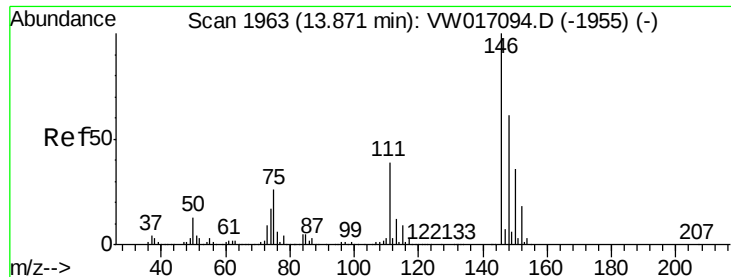
Tot Ion:146 Resp: 367292
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.4 49.0
 148 66.6 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 24.604 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Tgt Ion:146 Resp: 367040
 Ion Ratio Lower Upper
 146 100
 111 37.2 24.5 45.5
 148 60.0 45.5 84.5

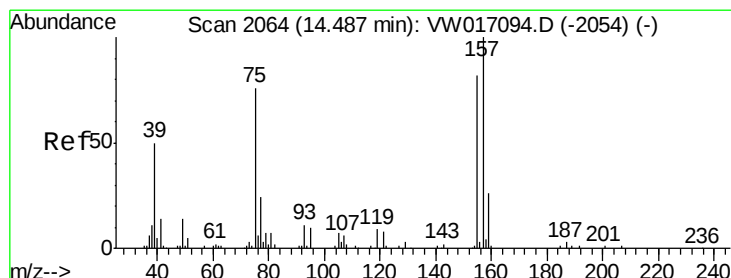
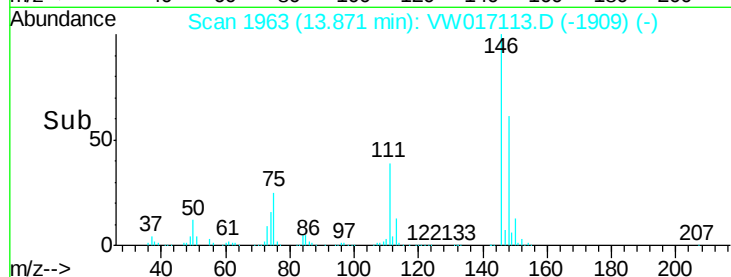
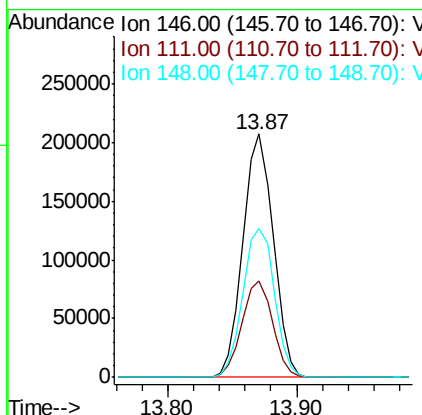
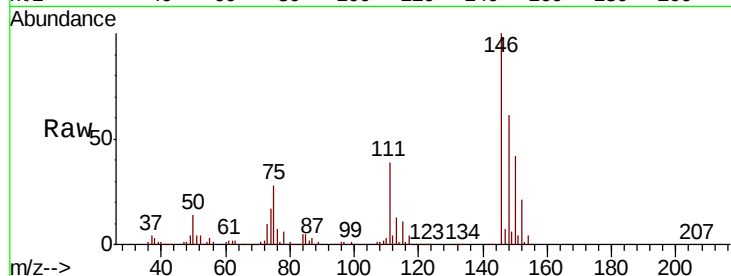




#65
1,2-Dichlorobenzene
Concen: 25.296 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

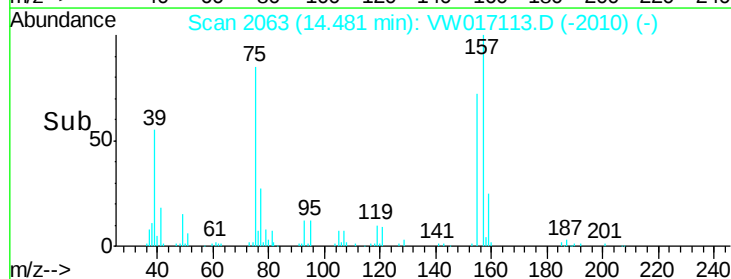
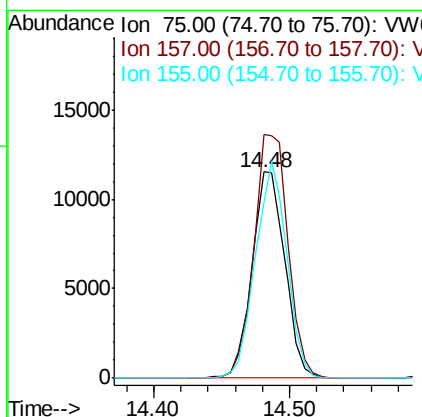
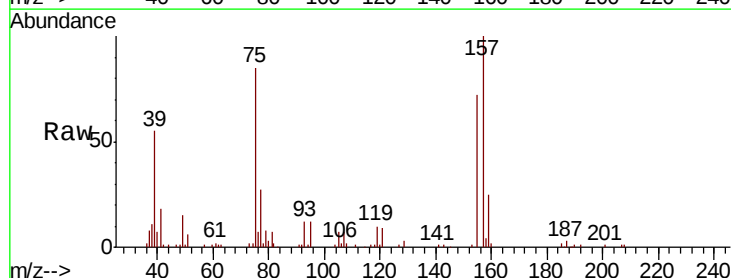
Instrument :
MSVOA_W
ClientSampled :
BFB01

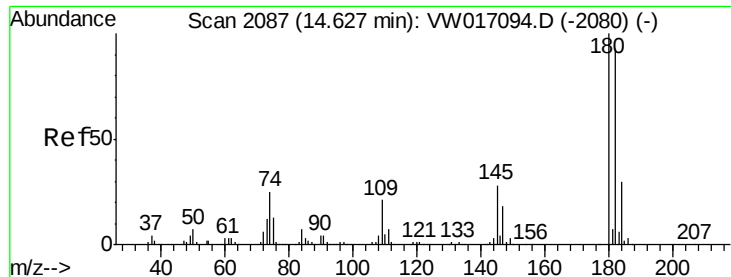
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	30.5	45.7
148	61.3	50.3	75.5



#66
1,2-Dibromo-3-chloropropane
Concen: 22.041 ug/L
RT: 14.48 min Scan# 2063
Delta R.T. -0.01 min
Lab File: VW017113.D
Acq: 09 Nov 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
157	117.9	108.2	162.4
155	84.9	79.1	118.7

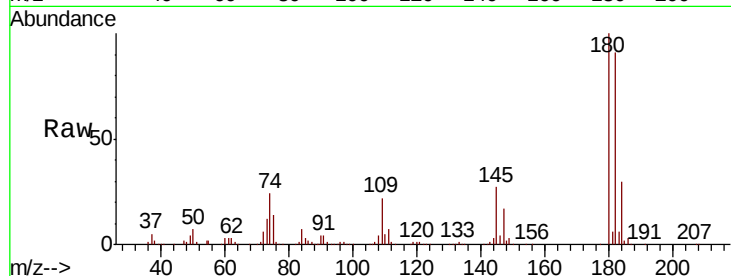




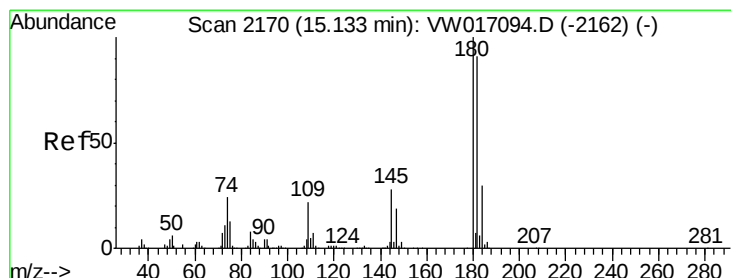
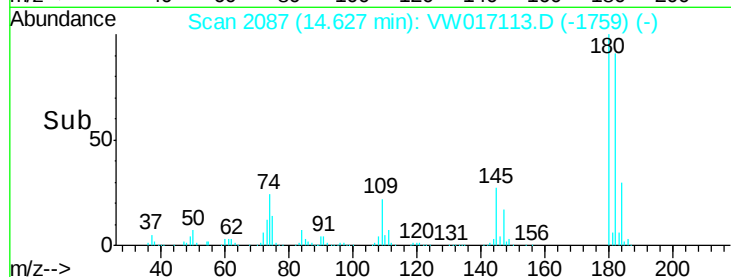
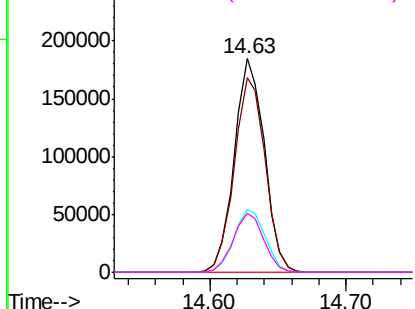
#67
 1,3,5-Trichlorobenzene
 Concen: 26.041 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB01

Tot Ion:180	Resp:	284936
Ion	Ratio	Lower Upper
180	100	
182	93.8	77.2 115.8
184	30.1	24.2 36.4
145	27.9	23.5 35.3

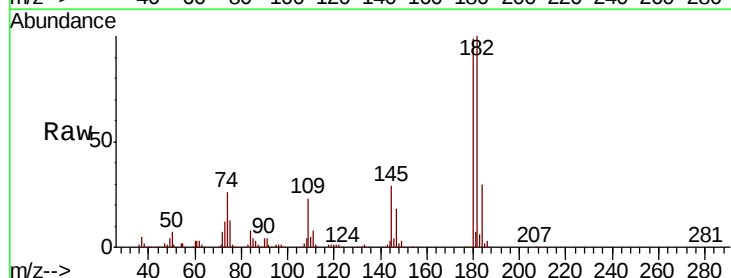


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

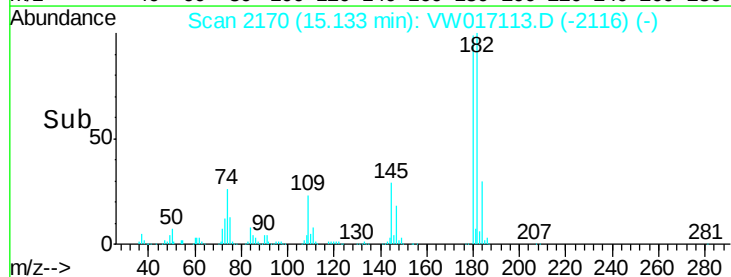
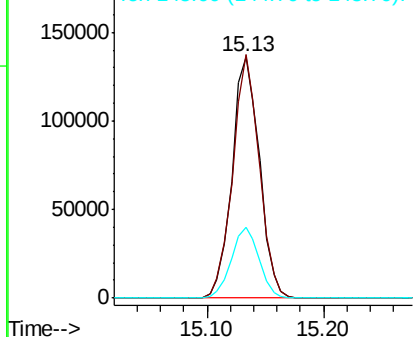


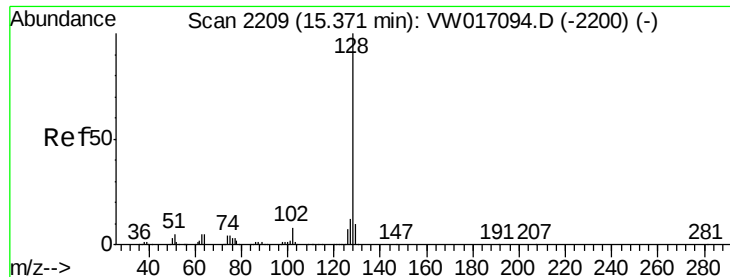
#68
 1,2,4-trichlorobenzene
 Concen: 25.583 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017113.D
 Acq: 09 Nov 2020 10:08

Tgt Ion:180	Resp:	223391
Ion	Ratio	Lower Upper
180	100	
182	97.9	76.7 115.1
145	29.6	23.6 35.4



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





#69

Naphthalene

Concen: 23.605 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

BFB01

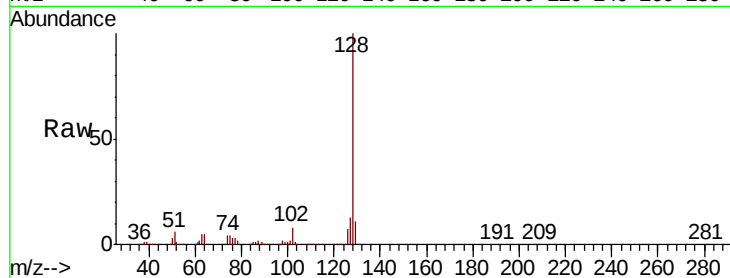
Tot Ion:128 Resp: 379310

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

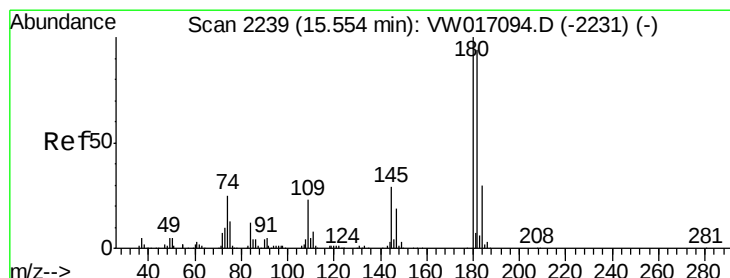
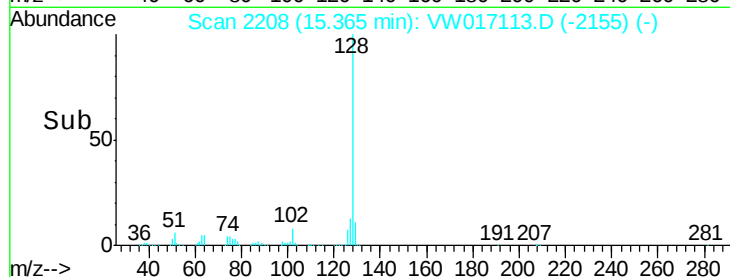
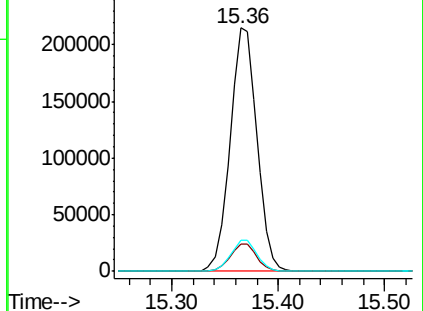
127 12.6 10.2 15.2



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: 24.287 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017113.D

Acq: 09 Nov 2020 10:08

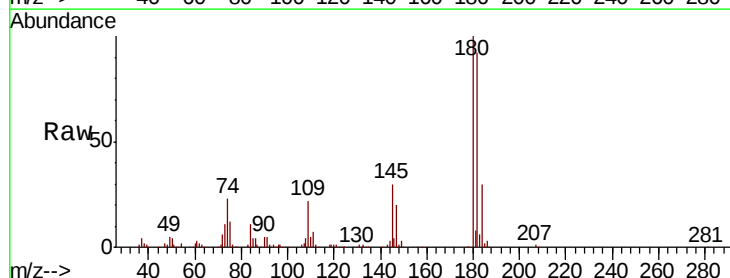
Tgt Ion:180 Resp: 193772

Ion Ratio Lower Upper

180 100

182 97.5 75.5 113.3

145 32.0 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

