

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010821\
 Data File : VW017803.D
 Acq On : 08 Jan 2021 13:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Quant Time: Jan 08 21:53:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 07:46:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	312909	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301868	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	158519	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	117206	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
7) Chloroethane-d5	2.89	69	99038	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
10) 1,1-Dichloroethene-d2	4.03	63	200619	23.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.12%
20) 2-Butanone-d5	7.07	46	40527	51.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.30%
24) Chloroform-d	7.65	84	215042	26.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	8.31	65	112304	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.16%
29) Benzene-d6	8.27	84	417897	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.27	67	117951	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.32	98	417960	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.36%
38) trans-1,3-Dichloropropene-	10.58	79	51731	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.04%
39) 2-Hexanone-d5	10.93	63	30248	51.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92046	26.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	139254	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65620	18.994	ug/L	89
3) Chloromethane	2.21	50	61651	20.077	ug/L	93
5) Vinyl chloride	2.37	62	109093	21.000	ug/L	96
6) Bromomethane	2.78	94	82112	21.315	ug/L	99
8) Chloroethane	2.92	64	72392	22.226	ug/L	100
9) Trichlorofluoromethane	3.26	101	75064	17.611	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	86856	21.834	ug/L	98
12) 1,1-Dichloroethene	4.04	96	83924	21.762	ug/L	95
13) Acetone	4.12	43	25710	37.942	ug/L	98
14) Carbon disulfide	4.38	76	242630	21.070	ug/L	98
15) Methyl Acetate	4.67	43	29629	22.561	ug/L	97
16) Methylene chloride	4.92	84	90314	20.183	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	104708	21.425	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	92310	22.192	ug/L	96
19) 1,1-Dichloroethane	6.21	63	164074	23.088	ug/L	99
21) 2-Butanone	7.17	43	38952	42.736	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	98878	22.622	ug/L	99

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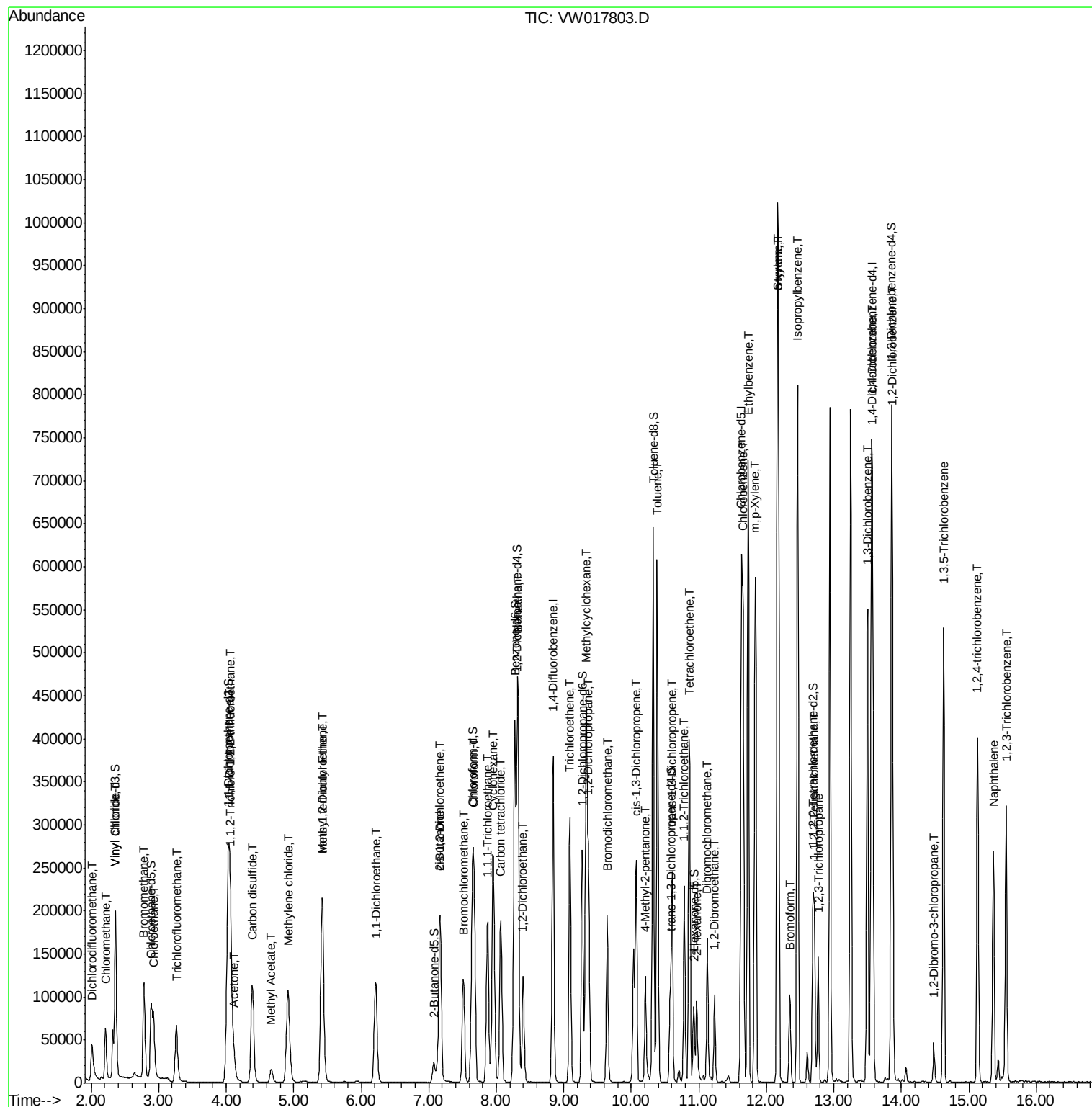
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	40891	22.085	ug/L	84
25) Chloroform	7.67	83	175362	23.452	ug/L	100
27) 1,2-Dichloroethane	8.40	62	112734	23.307	ug/L	96
30) Cyclohexane	7.95	56	150010	20.878	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	146713	21.129	ug/L	98
32) Carbon tetrachloride	8.07	117	137669	21.014	ug/L	99
34) Benzene	8.32	78	386376	22.386	ug/L	100
35) Trichloroethene	9.09	95	101892	21.327	ug/L	96
36) Methylcyclohexane	9.34	83	178672	21.394	ug/L	99
40) 1,2-Dichloropropane	9.37	63	91660	22.495	ug/L	99
41) Bromodichloromethane	9.64	83	128112	22.970	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	147082	22.620	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	86255	43.573	ug/L	99
44) Toluene	10.38	91	449877	22.858	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	125549	22.675	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	69327	22.890	ug/L	100
47) Tetrachloroethene	10.86	164	82087	21.977	ug/L	97
49) 2-Hexanone	10.97	43	59044	42.040	ug/L	95
50) Dibromochloromethane	11.13	129	82985	23.079	ug/L	96
51) 1,2-Dibromoethane	11.23	107	65883	22.977	ug/L	92
52) Chlorobenzene	11.66	112	282173	22.966	ug/L	97
53) Ethylbenzene	11.73	91	504978	22.613	ug/L	100
54) m,p-Xylene	11.83	106	195782	22.412	ug/L	97
55) o-xylene	12.16	106	184006	22.398	ug/L	91
56) Styrene	12.18	104	316174	23.137	ug/L	96
57) Isopropylbenzene	12.46	105	509254	22.390	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	76122	22.518	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	56035	22.550	ug/L	99
62) Bromoform	12.35	173	38655	19.929	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	217318	22.211	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	213777	21.742	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	191630	22.290	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	11103	19.608	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	149052	22.222	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	118077	21.387	ug/L	95
69) Naphthalene	15.36	128	222047	21.120	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	100702	21.600	ug/L	99

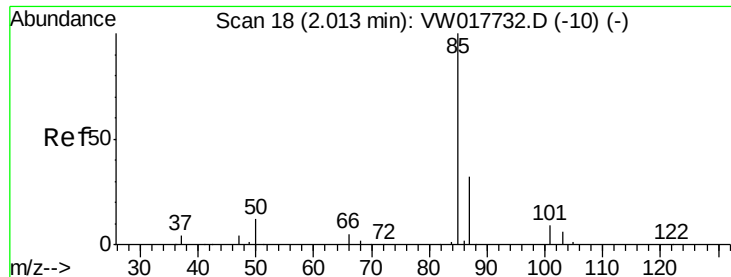
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.994 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampled :

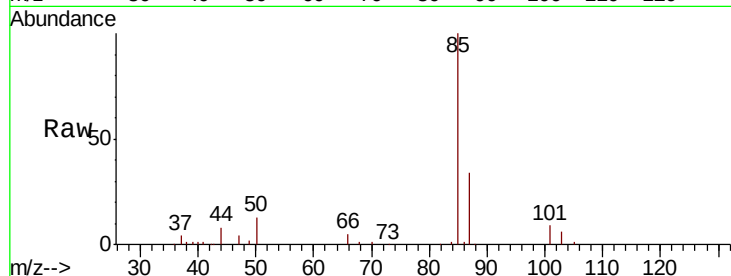
BFB20

Tot Ion: 85 Resp: 65620

Ion Ratio Lower Upper

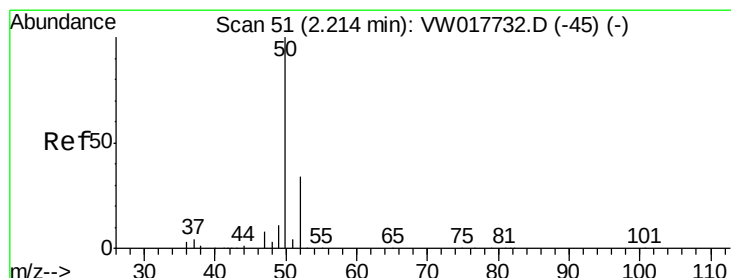
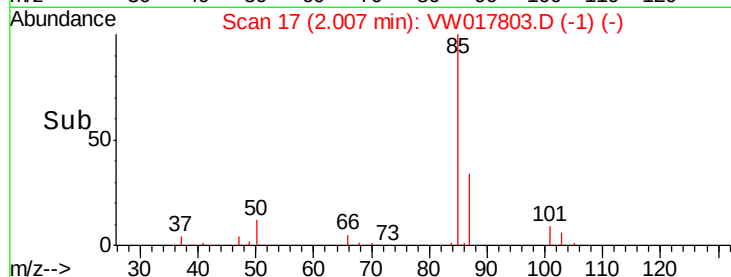
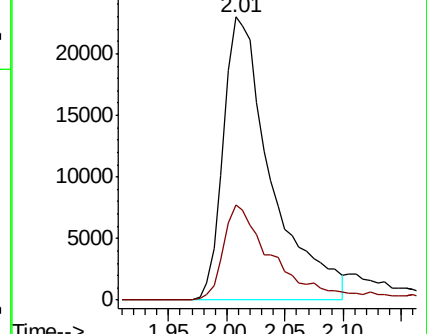
85 100

87 25.2 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.077 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017803.D

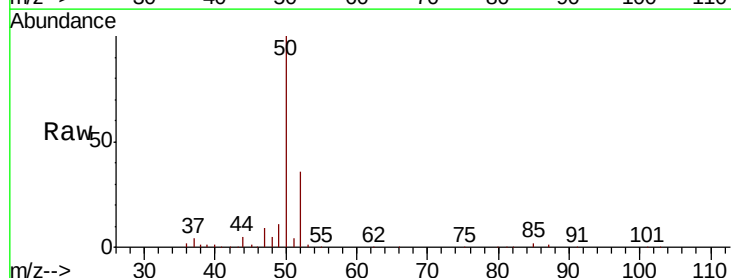
Acq: 08 Jan 2021 13:14

Tgt Ion: 50 Resp: 61651

Ion Ratio Lower Upper

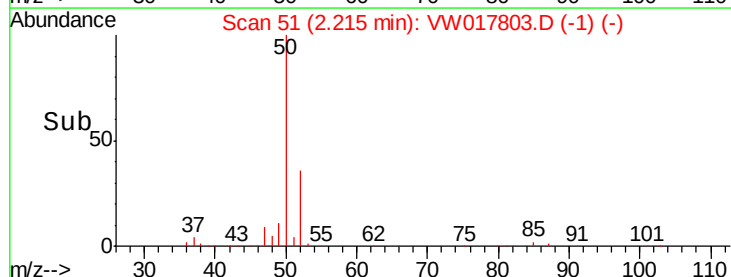
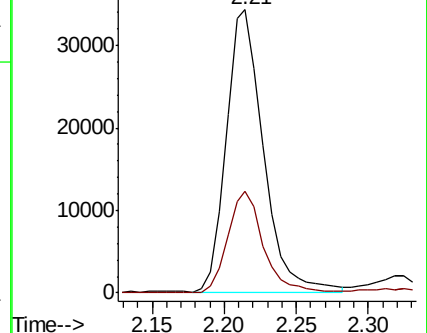
50 100

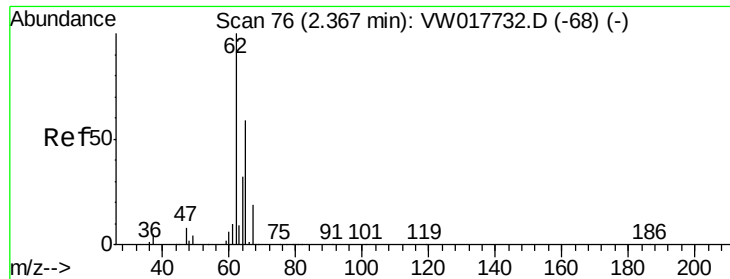
52 36.0 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.000 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

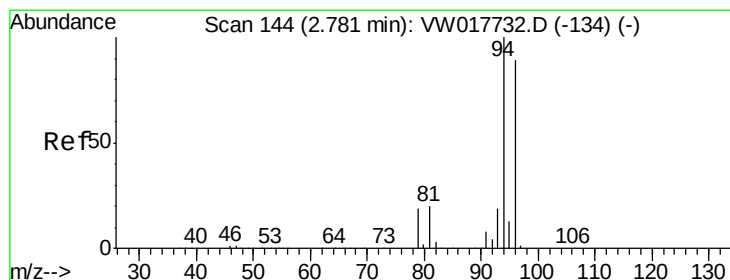
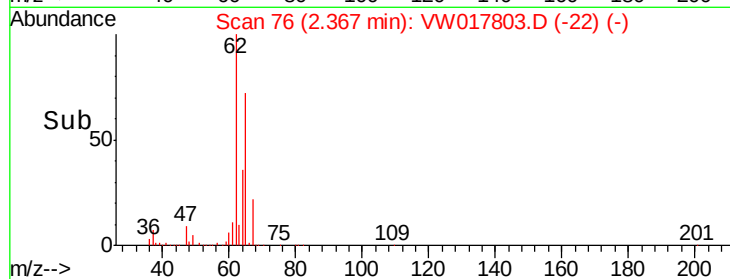
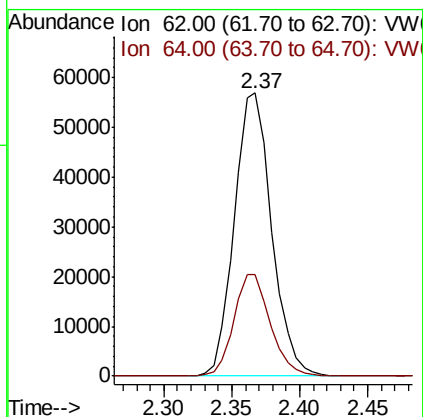
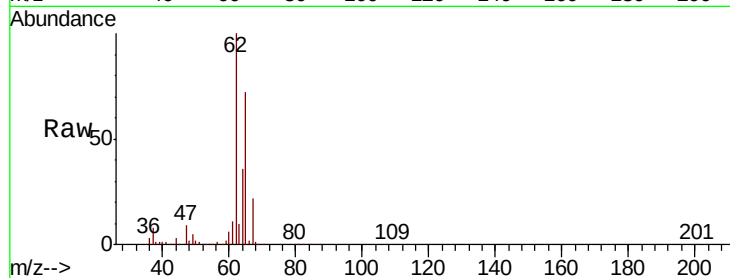
BFB20

Tot Ion: 62 Resp: 109093

Ion Ratio Lower Upper

62 100

64 35.7 23.3 43.3



#6

Bromomethane

Concen: 21.315 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017803.D

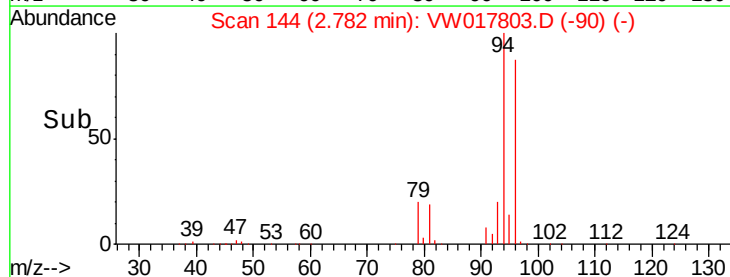
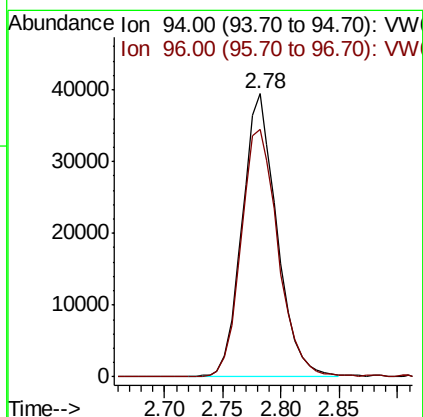
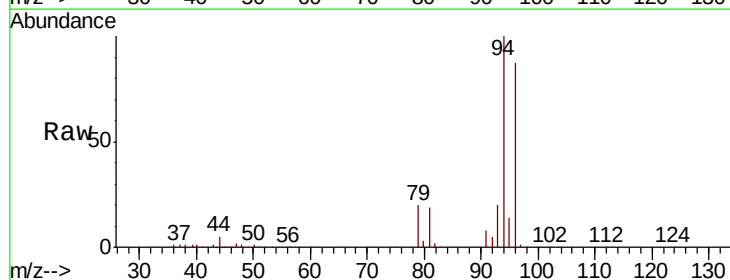
Acq: 08 Jan 2021 13:14

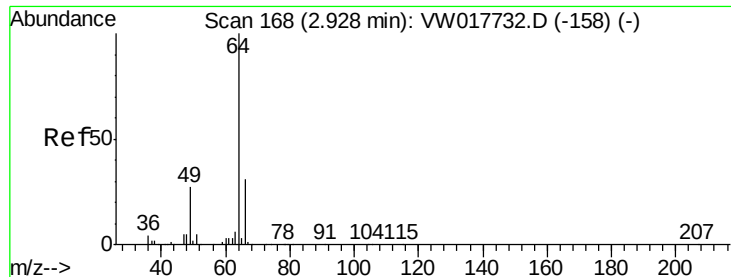
Tgt Ion: 94 Resp: 82112

Ion Ratio Lower Upper

94 100

96 93.1 9.4 178.6

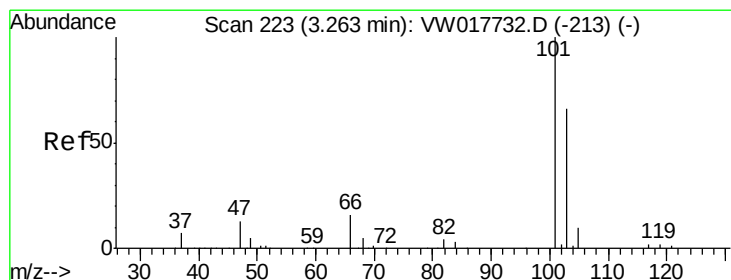
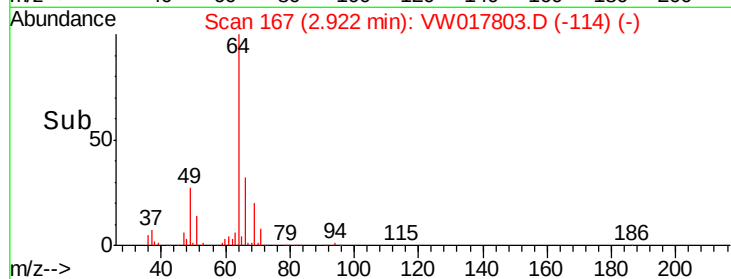
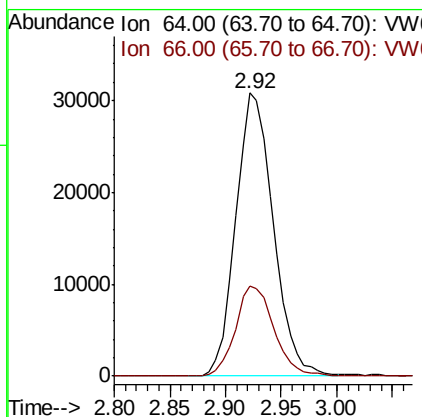
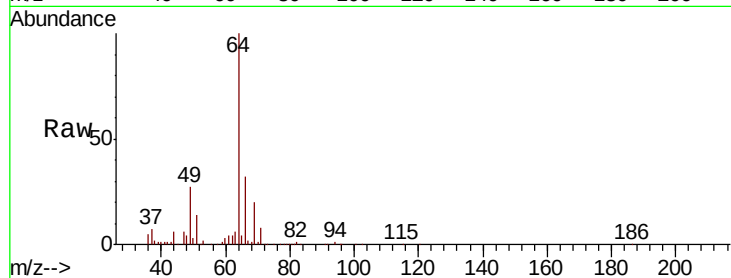




#8
Chloroethane
Concen: 22.226 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

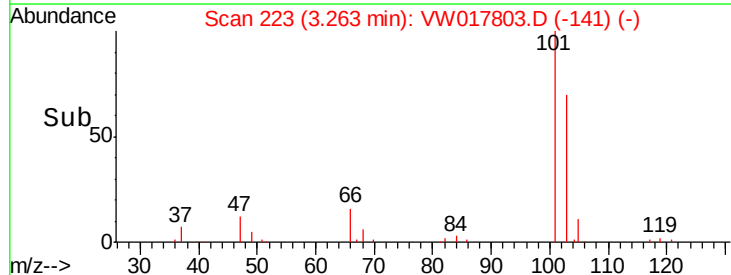
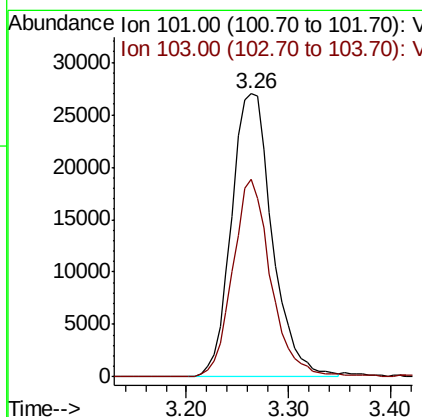
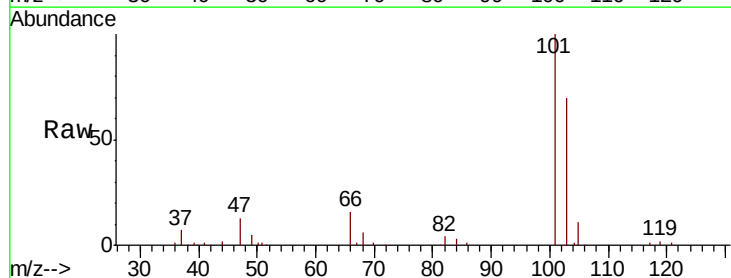
Instrument :
MSVOA_W
ClientSampled :
BFB20

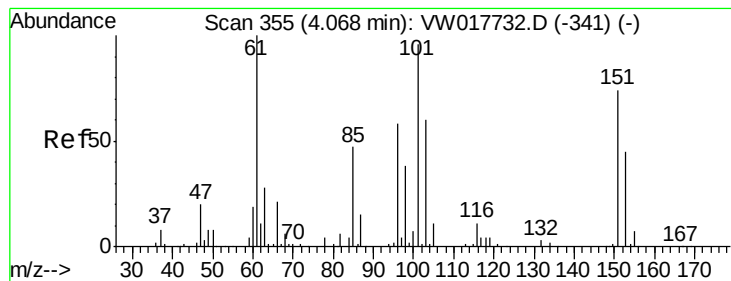
Tot Ion: 64 Resp: 72392
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 17.611 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Tgt Ion: 101 Resp: 75064
Ion Ratio Lower Upper
101 100
103 65.3 46.0 85.4





#11

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

Concen: 21.834 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

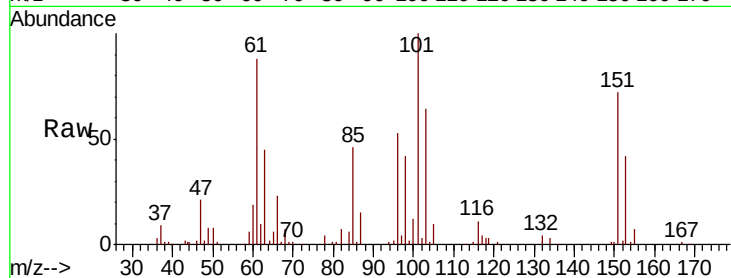
Tot Ion:101 Resp: 86856

Ion Ratio Lower Upper

101 100

85 47.6 36.7 55.1

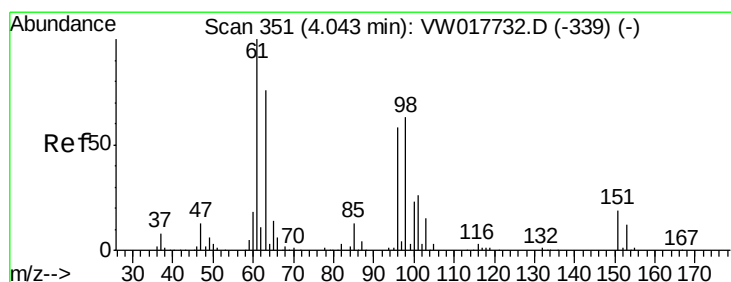
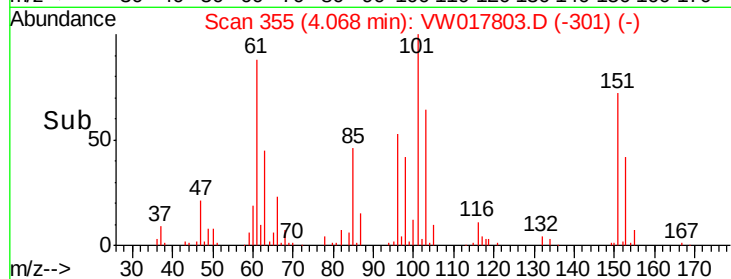
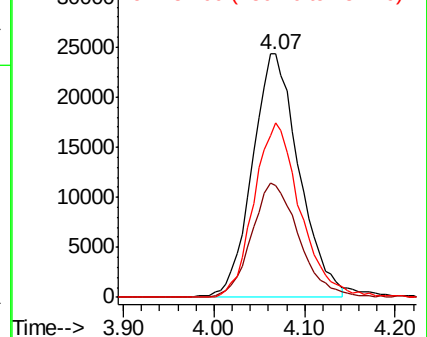
151 71.3 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.762 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

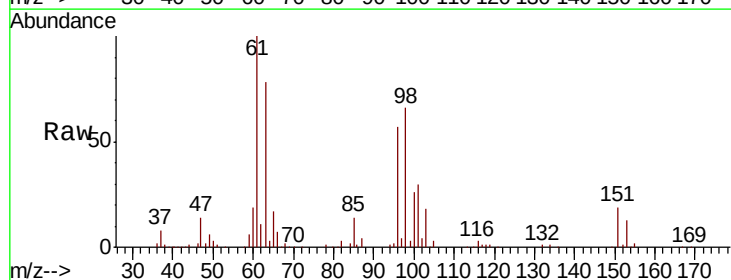
Tgt Ion: 96 Resp: 83924

Ion Ratio Lower Upper

96 100

61 176.1 126.1 234.1

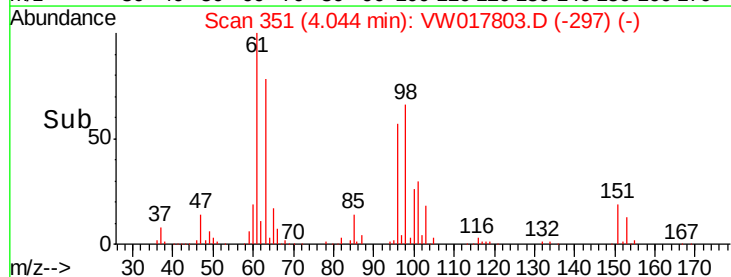
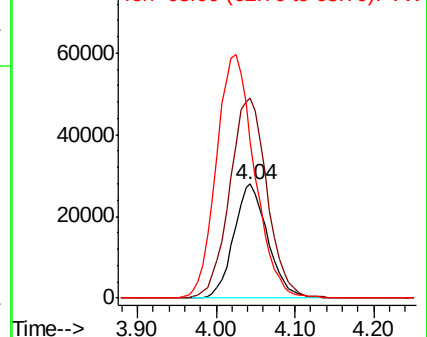
63 137.6 90.0 167.2

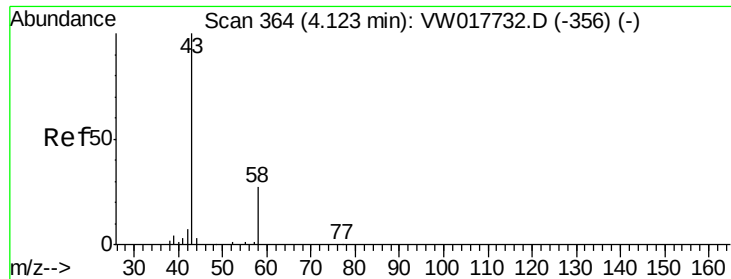


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.942 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampled :

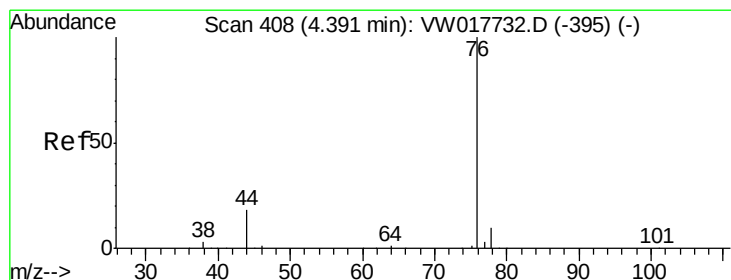
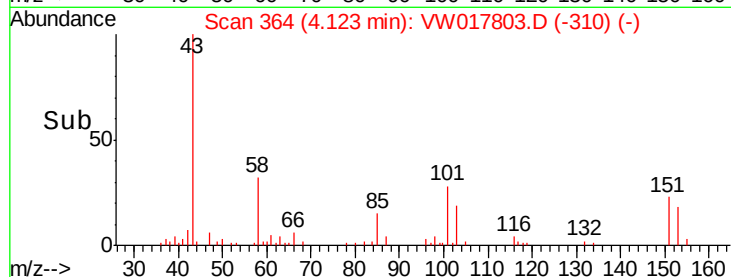
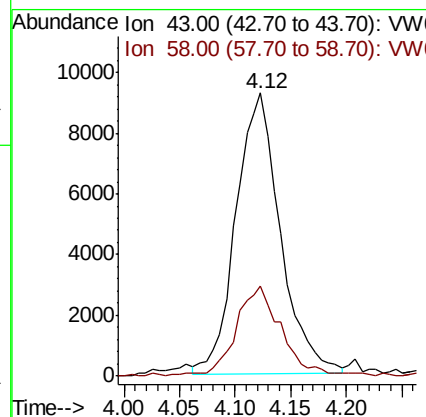
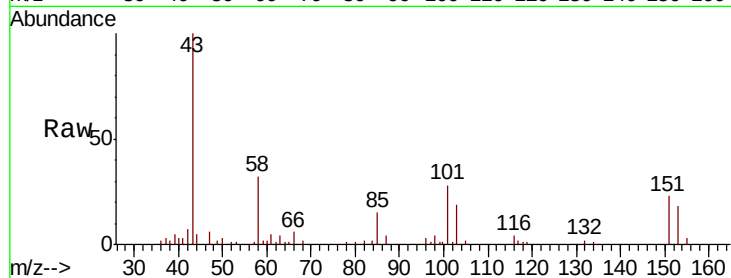
BFB20

Tot Ion: 43 Resp: 25710

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.8



#14

Carbon disulfide

Concen: 21.070 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017803.D

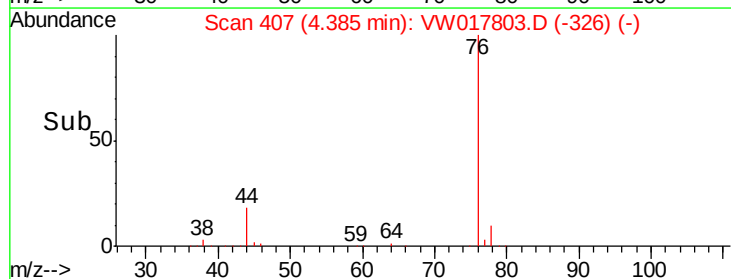
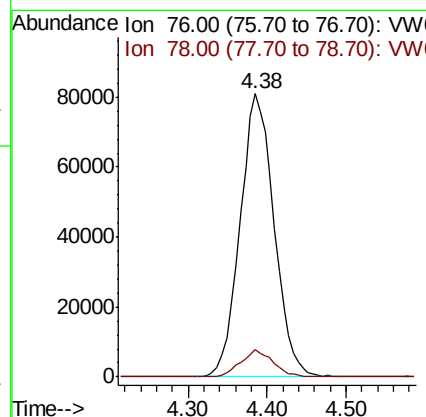
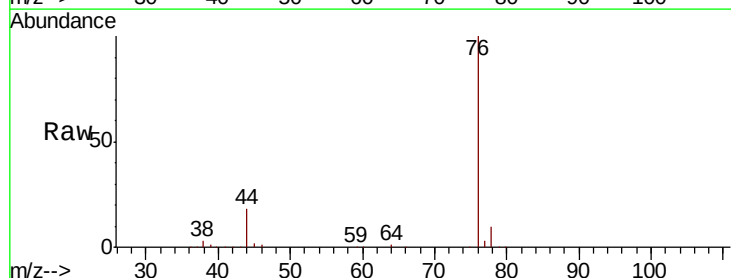
Acq: 08 Jan 2021 13:14

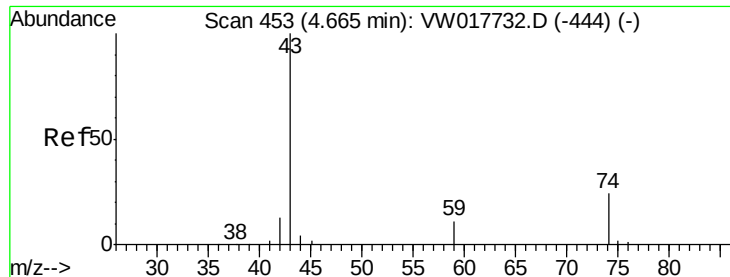
Tgt Ion: 76 Resp: 242630

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

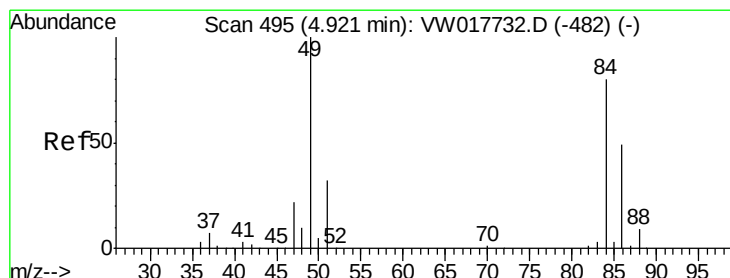
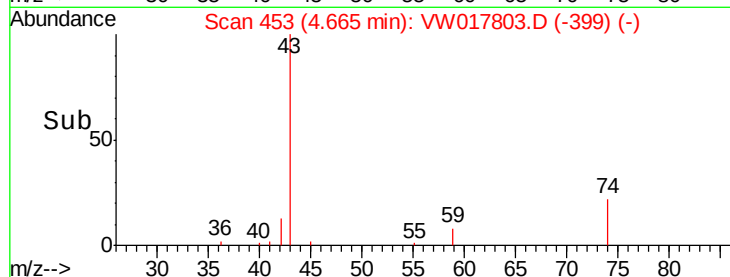
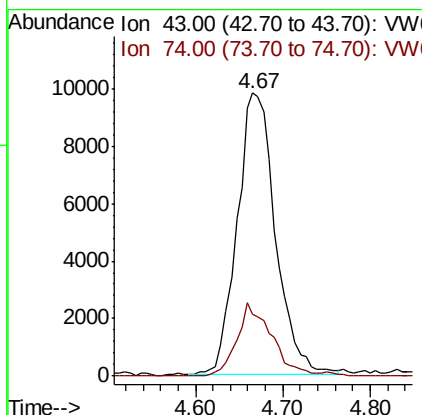
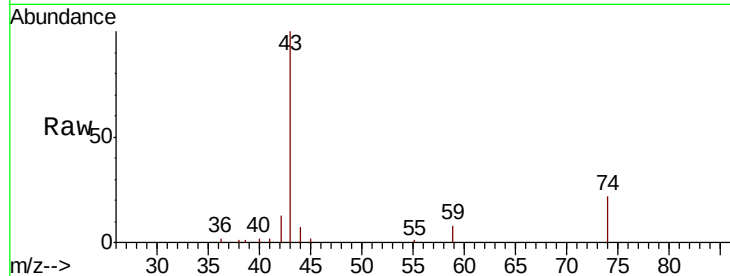




#15
Methvl Acetate
Concen: 22.561 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

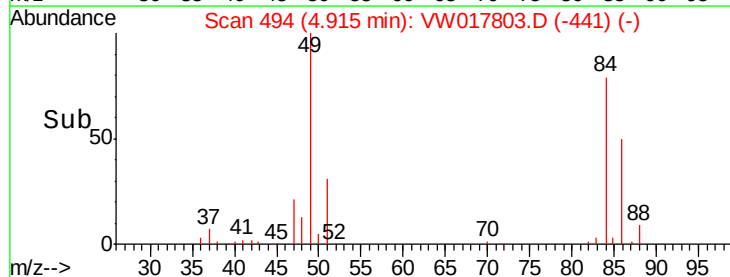
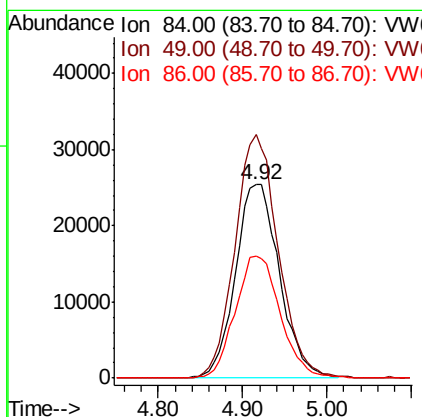
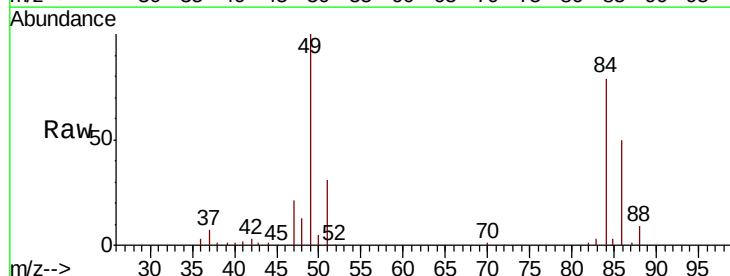
Instrument :
MSVOA_W
ClientSampled :
BFB20

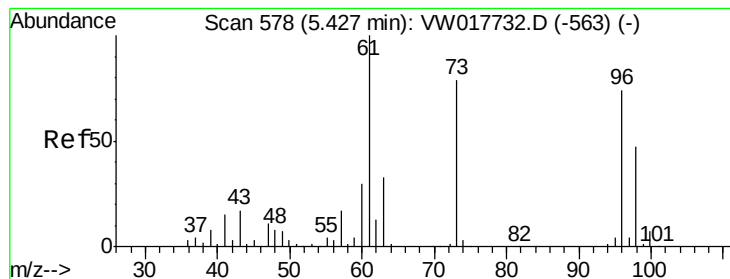
Tot Ion: 43 Resp: 29629
Ion Ratio Lower Upper
43 100
74 23.8 20.2 30.4



#16
Methylene chloride
Concen: 20.183 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Tgt Ion: 84 Resp: 90314
Ion Ratio Lower Upper
84 100
49 126.0 90.5 168.1
86 63.3 44.8 83.2



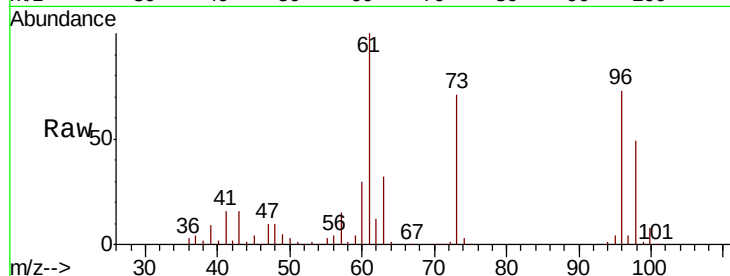


#17

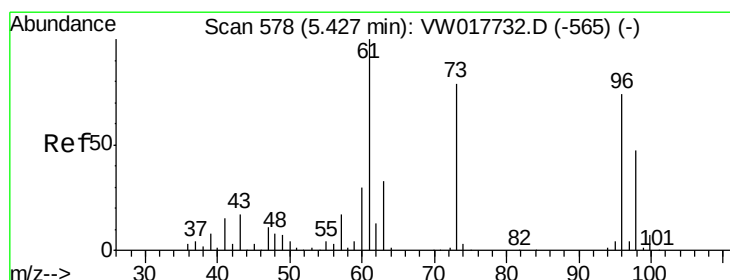
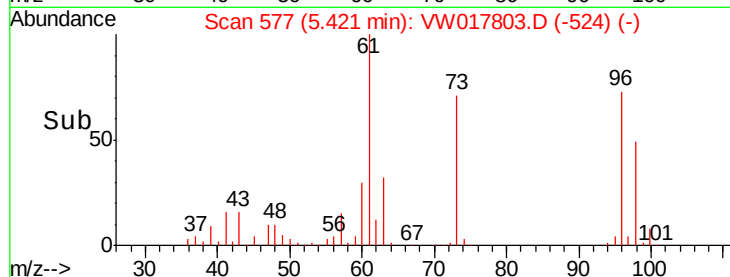
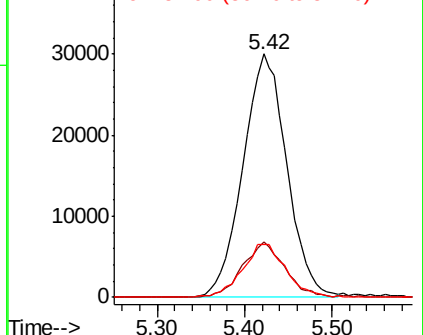
Methyl tert-butyl Ether
 Concen: 21.425 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Tot Ion: 73 Resp: 104708
 Ion Ratio Lower Upper
 73 100
 43 21.2 17.1 25.7
 57 21.7 16.6 25.0



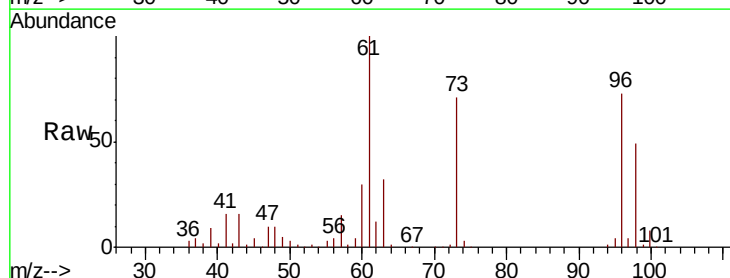
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



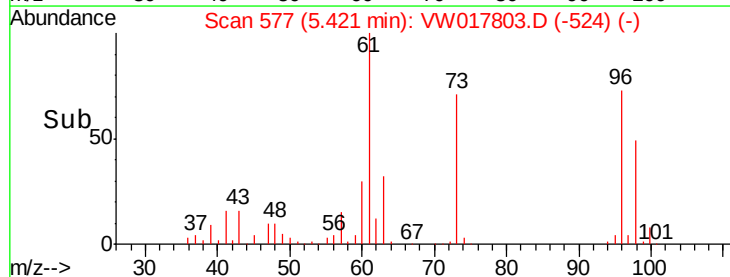
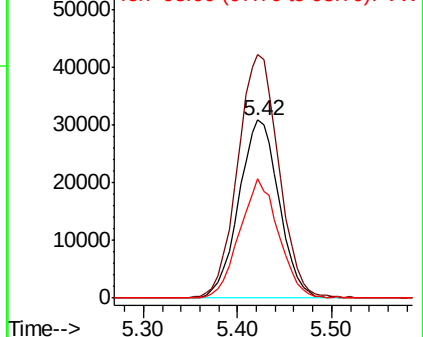
#18

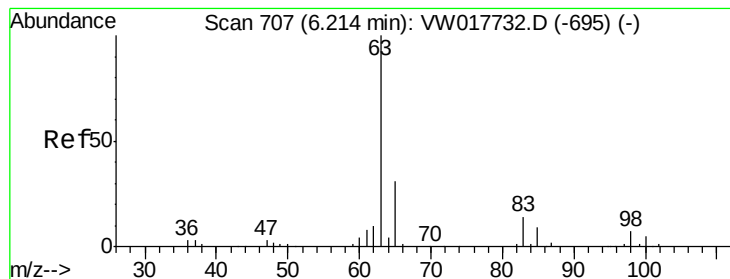
trans-1,2-Dichloroethene
 Concen: 22.192 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Tgt Ion: 96 Resp: 92310
 Ion Ratio Lower Upper
 96 100
 61 136.9 99.5 184.9
 98 67.0 45.8 85.2



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: 23.088 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampled :

BFB20

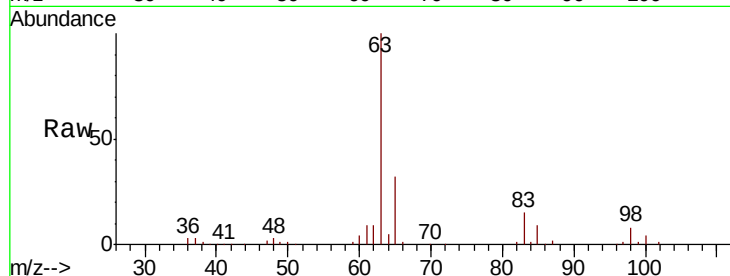
Tot Ion: 63 Resp: 164074

Ion Ratio Lower Upper

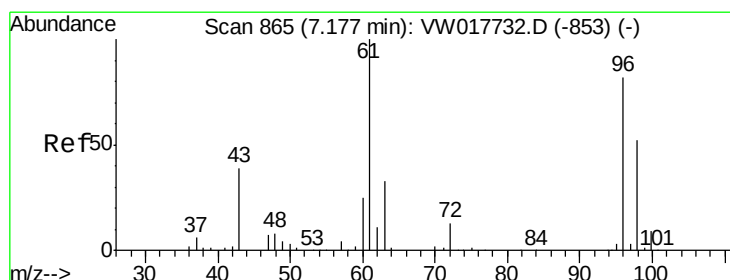
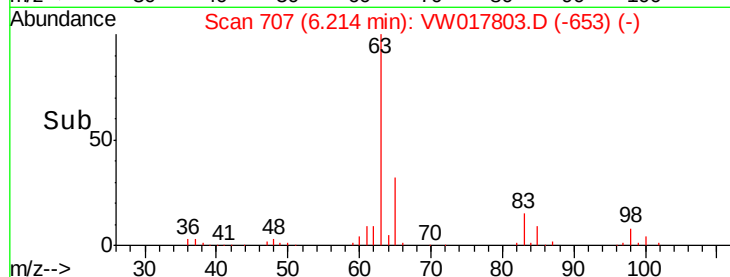
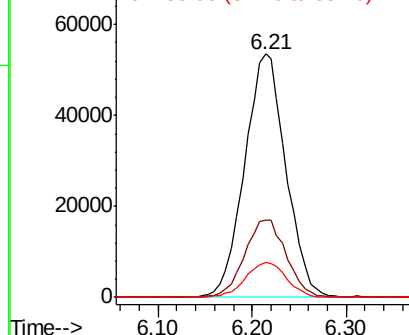
63 100

65 32.0 21.9 40.7

83 14.5 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: 42.736 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017803.D

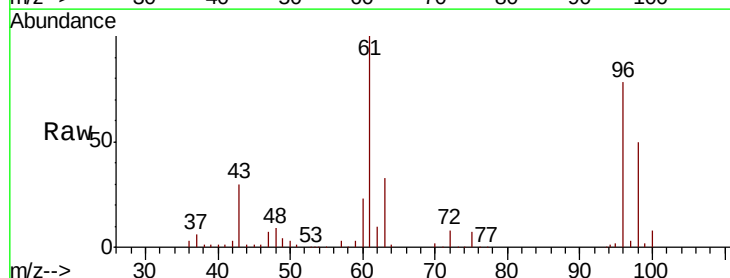
Acq: 08 Jan 2021 13:14

Tgt Ion: 43 Resp: 38952

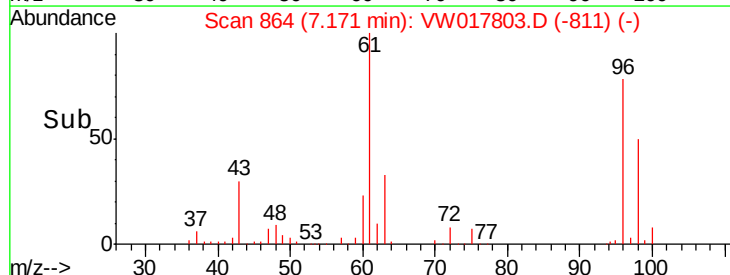
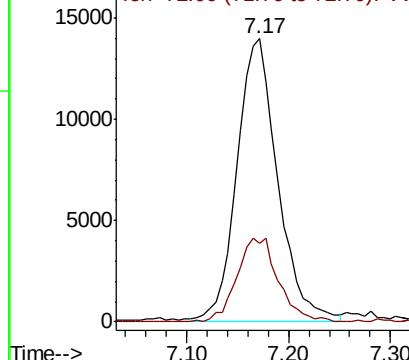
Ion Ratio Lower Upper

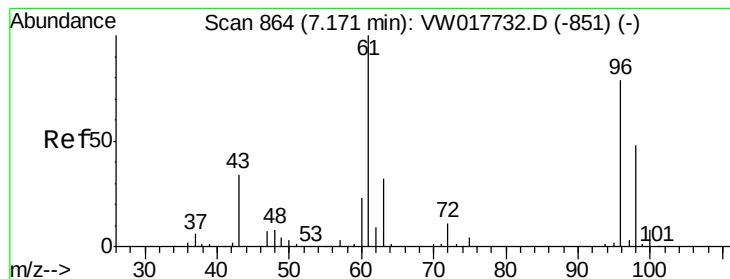
43 100

72 29.5 15.4 46.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



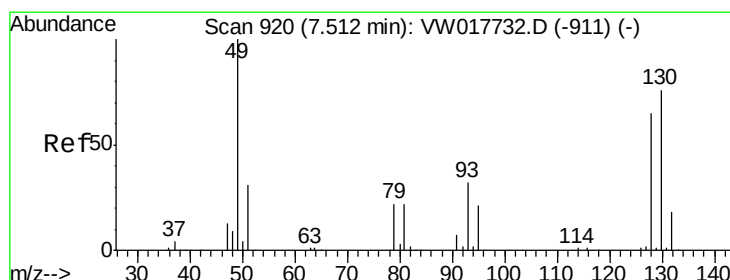
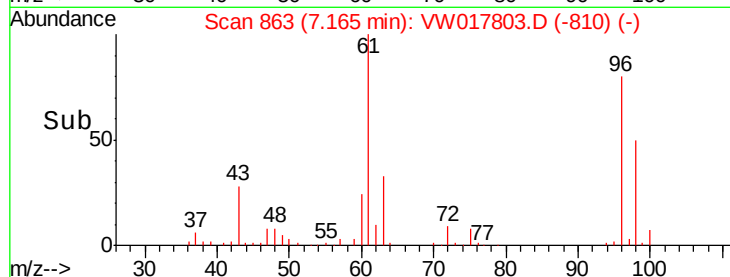
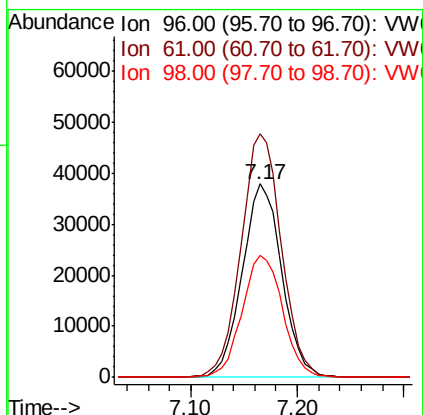
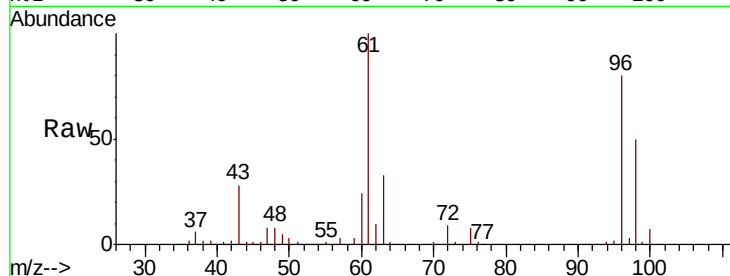


#22

cis-1,2-Dichloroethene
 Concen: 22.622 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

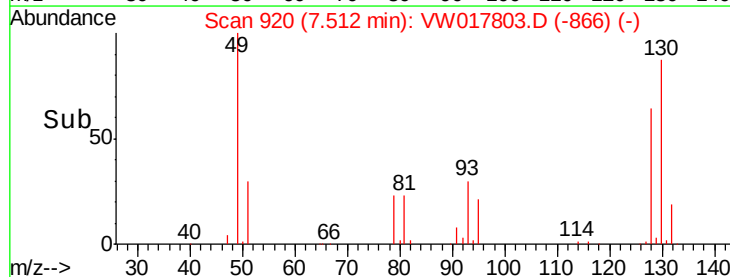
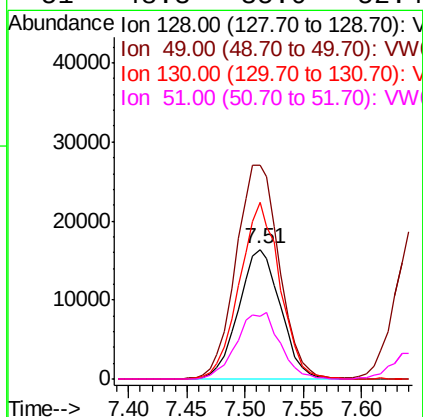
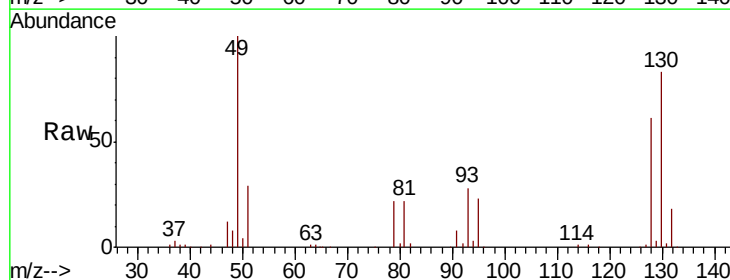
Tot Ion	96	Resp	98878
Ion	Ratio	Lower	Upper
96	100		
61	125.7	88.2	163.8
98	63.3	43.7	81.1

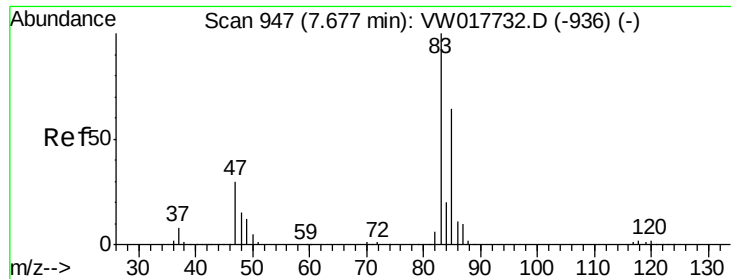


#23

Bromochloromethane
 Concen: 22.085 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Tgt Ion	128	Resp	40891
Ion	Ratio	Lower	Upper
128	100		
49	164.6	98.3	182.5
130	136.2	84.4	156.7
51	48.3	35.0	52.4

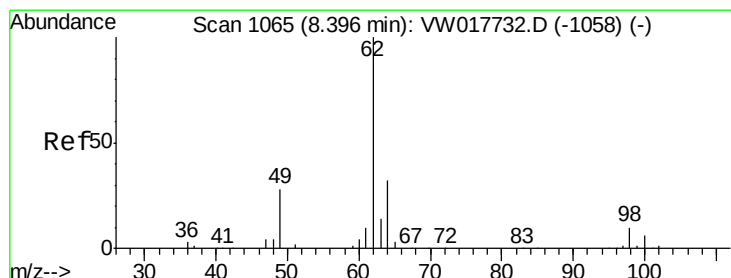
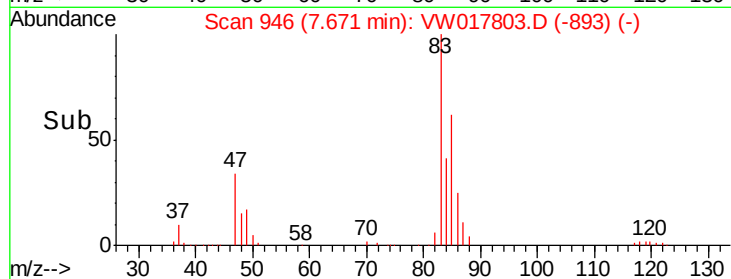
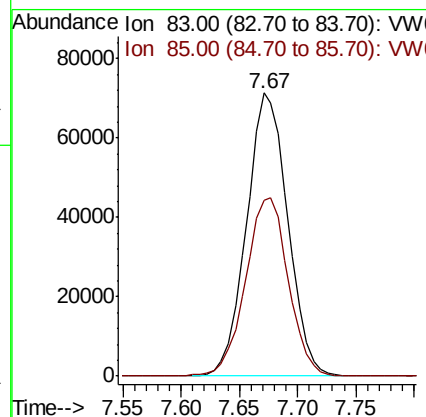
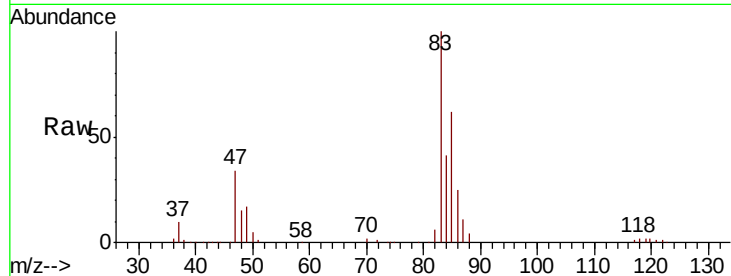




#25
Chloroform
Concen: 23.452 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

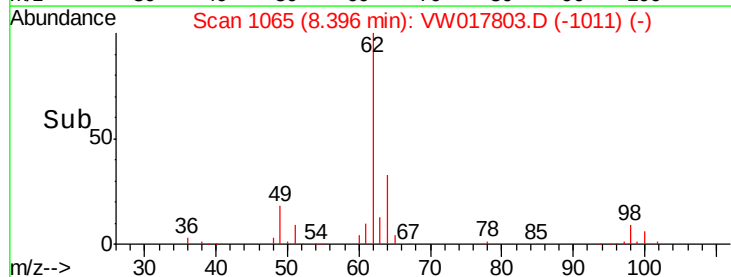
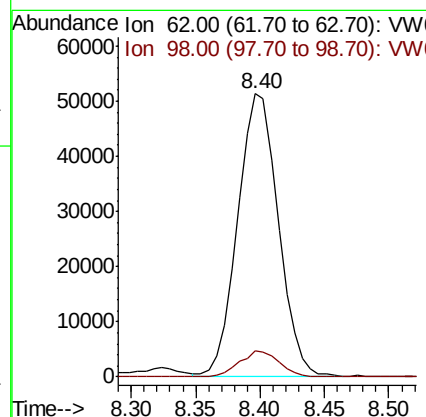
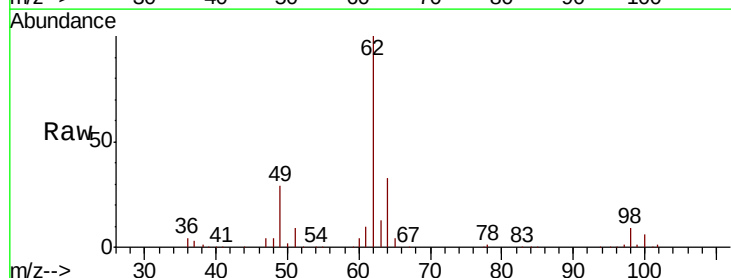
Instrument :
MSVOA_W
ClientSampled :
BFB20

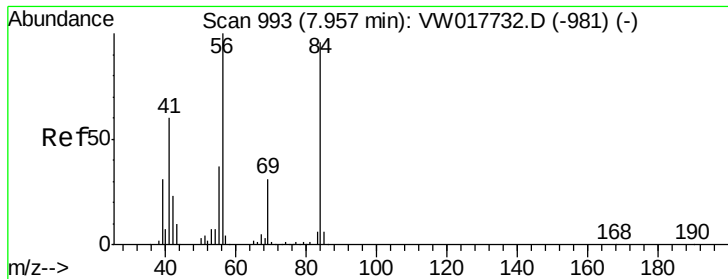
Tot Ion: 83 Resp: 175362
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.307 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Tgt Ion: 62 Resp: 112734
Ion Ratio Lower Upper
62 100
98 9.1 6.3 9.5

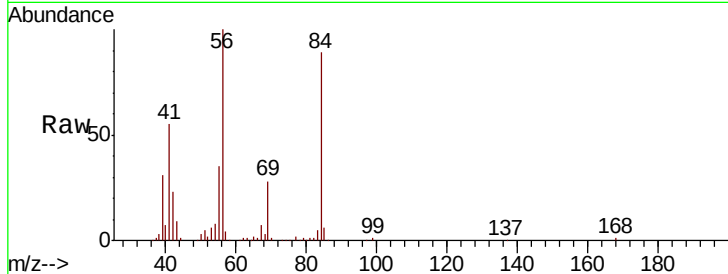




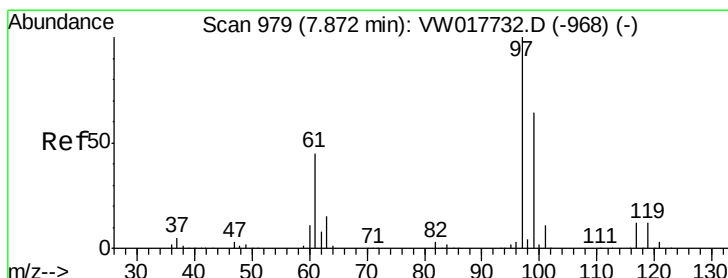
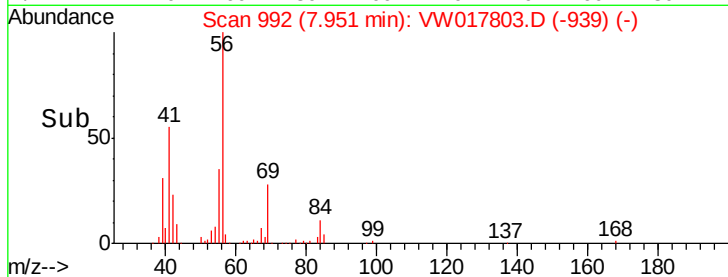
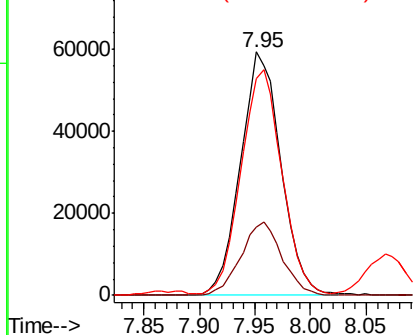
#30
Cyclohexane
Concen: 20.878 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Instrument :
MSVOA_W
ClientSampleId :
BFB20

Tot Ion: 56 Resp: 150010
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 93.8 76.6 115.0

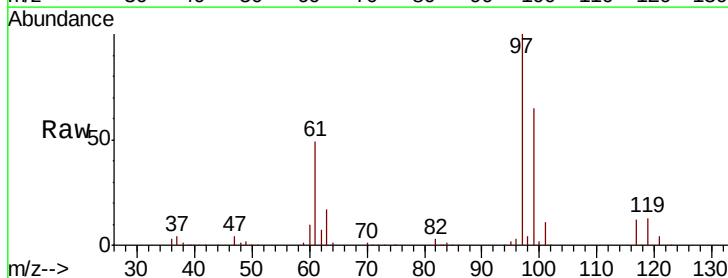


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

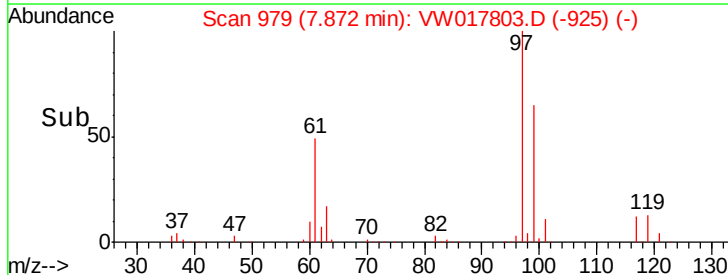
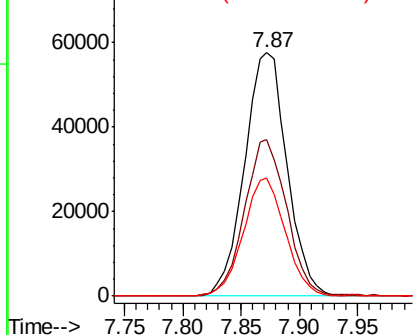


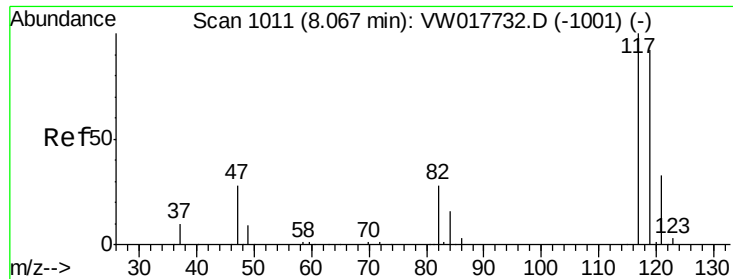
#31
1,1,1-Trichloroethane
Concen: 21.129 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Tgt Ion: 97 Resp: 146713
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 47.7 35.8 53.8



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: 21.014 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

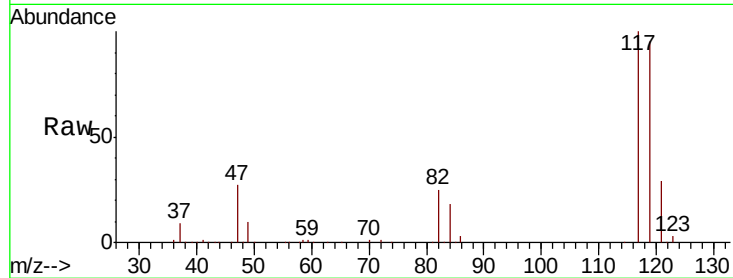
BFB20

Tot Ion:117 Resp: 137669

Ion Ratio Lower Upper

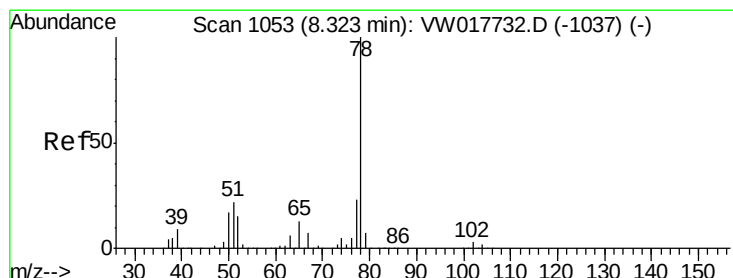
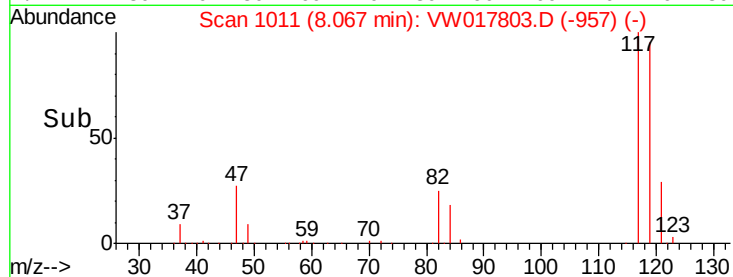
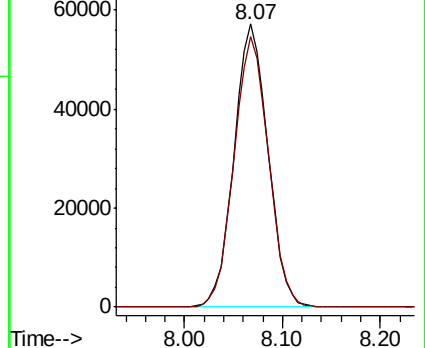
117 100

119 97.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.386 ug/L

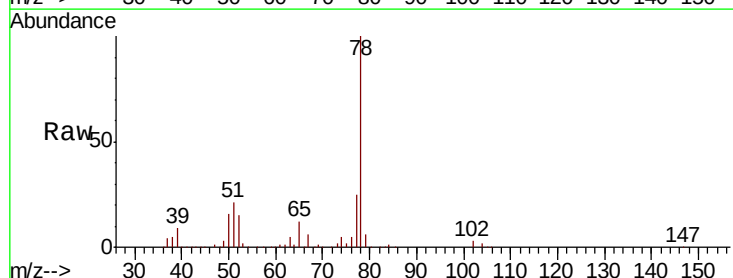
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

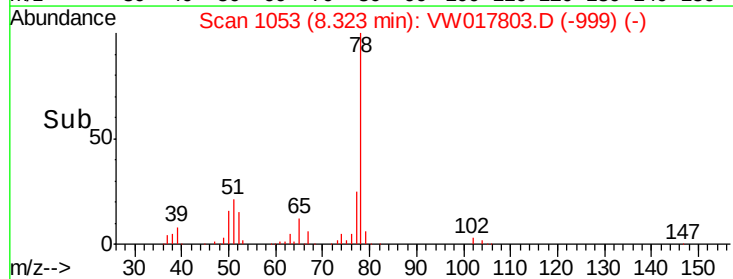
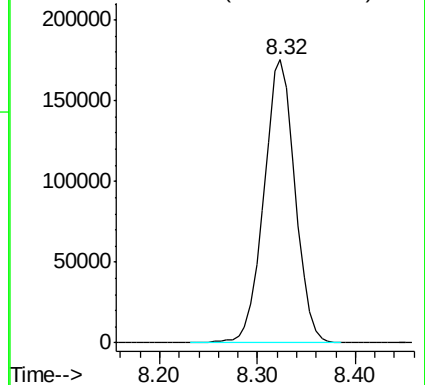
Lab File: VW017803.D

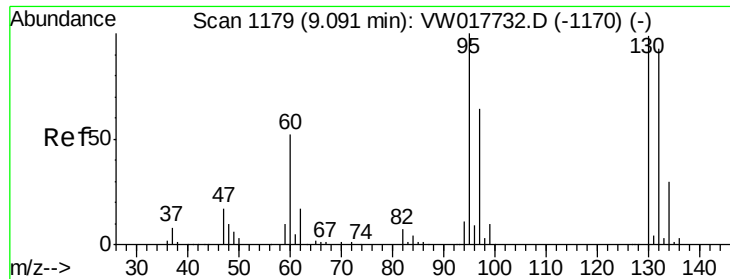
Acq: 08 Jan 2021 13:14

Tgt Ion: 78 Resp: 386376



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 21.327 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

Tot Ion: 95 Resp: 101892

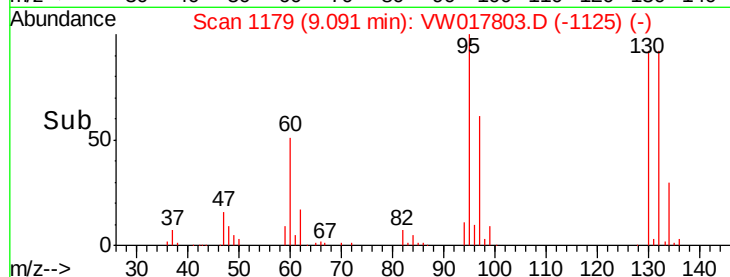
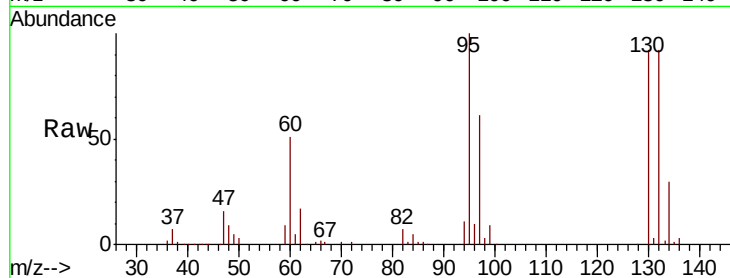
Ion Ratio Lower Upper

95 100

97 64.0 46.8 87.0

132 93.4 68.3 126.9

130 98.2 71.8 133.4



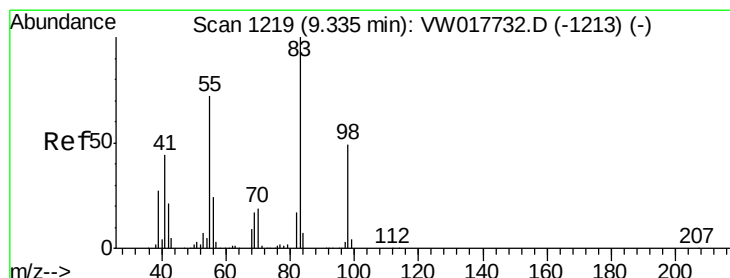
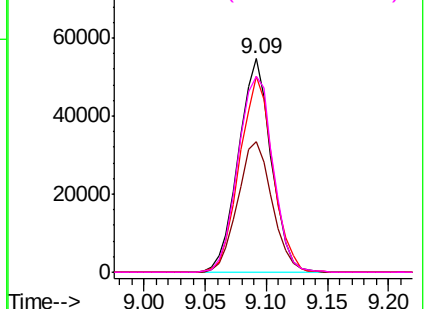
Abundance

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: 21.394 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

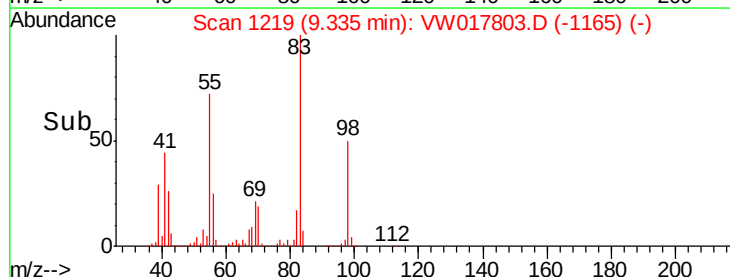
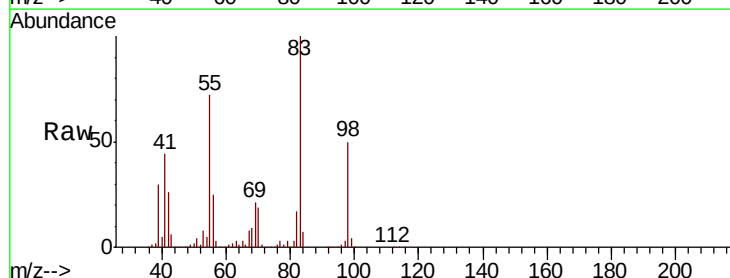
Tgt Ion: 83 Resp: 178672

Ion Ratio Lower Upper

83 100

55 72.8 57.6 86.4

98 49.5 39.7 59.5

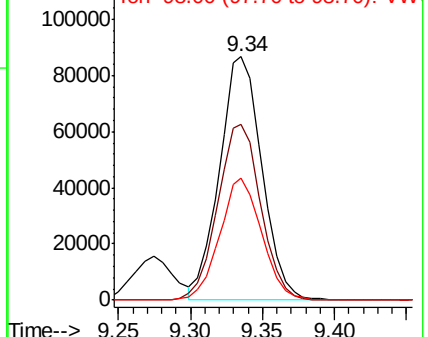


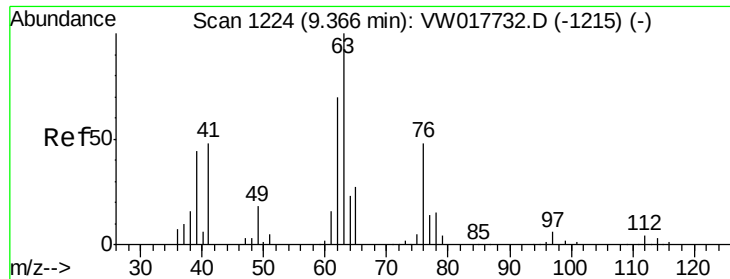
Abundance

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

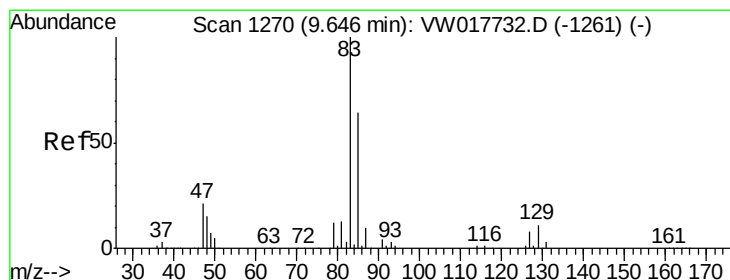
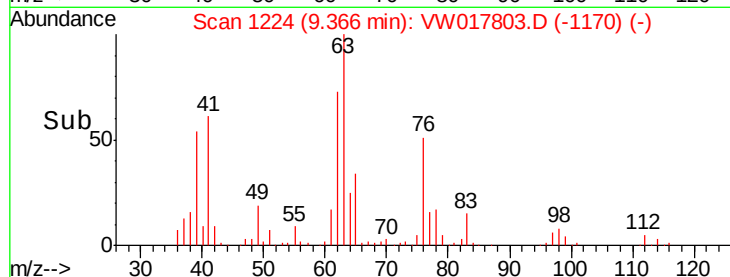
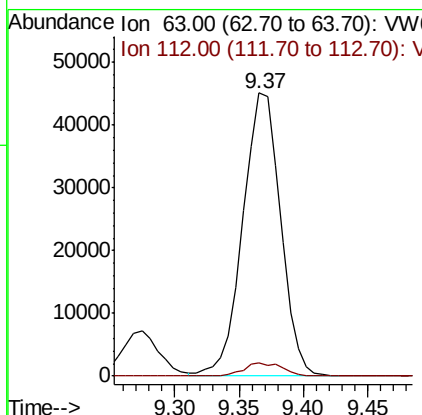
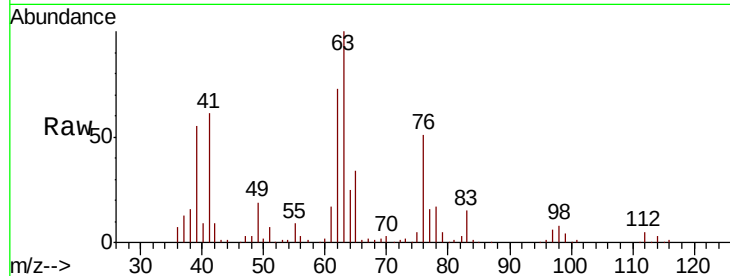




#40
 1,2-Dichloropropane
 Concen: 22.495 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

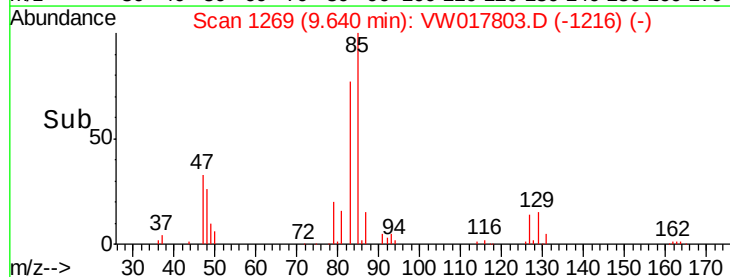
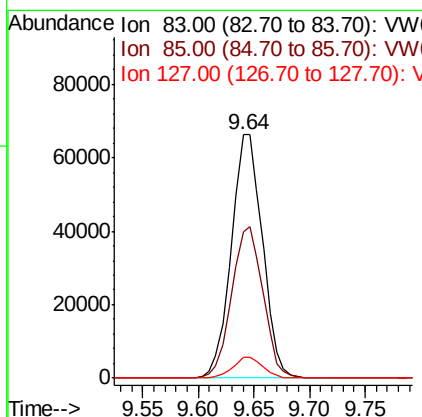
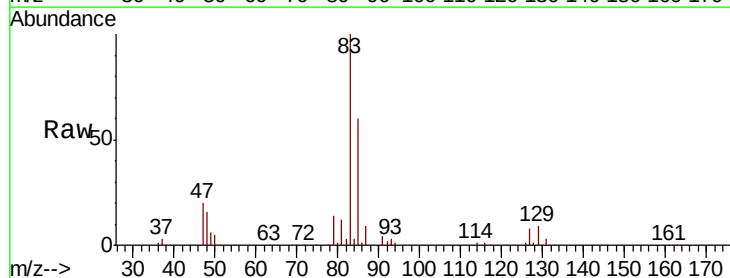
Instrument :
 MSVOA_W
 ClientSampled :
 BFB20

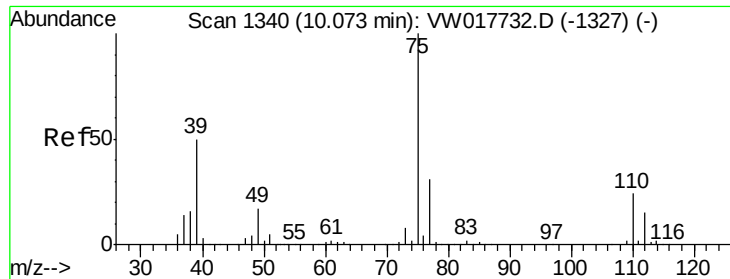
Tot Ion: 63 Resp: 91660
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.6 5.4



#41
 Bromodichloromethane
 Concen: 22.970 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Tgt Ion: 83 Resp: 128112
 Ion Ratio Lower Upper
 83 100
 85 59.9 44.5 82.7
 127 8.4 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 22.620 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampled :

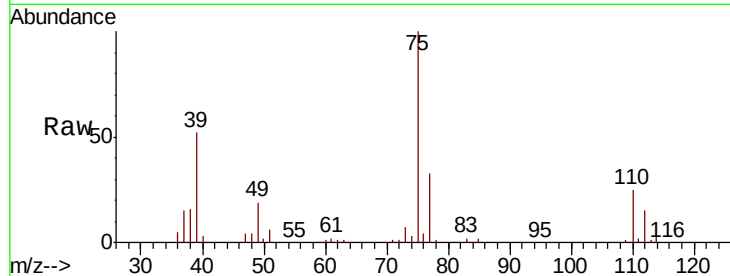
BFB20

Tot Ion: 75 Resp: 147082

Ion Ratio Lower Upper

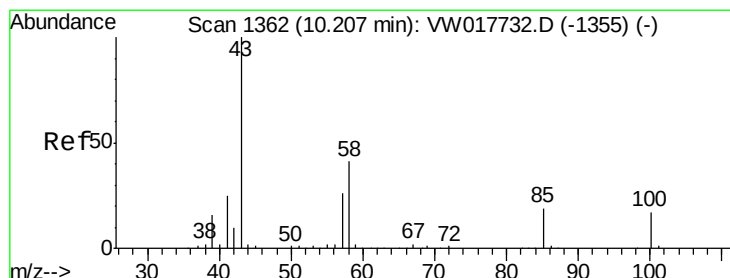
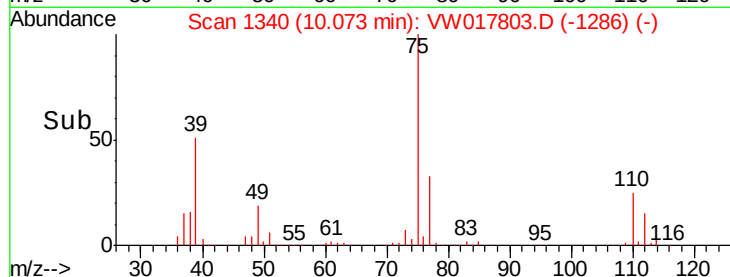
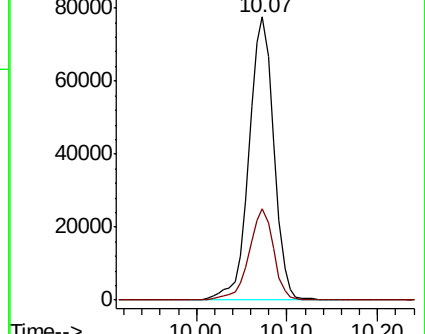
75 100

77 32.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 43.573 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

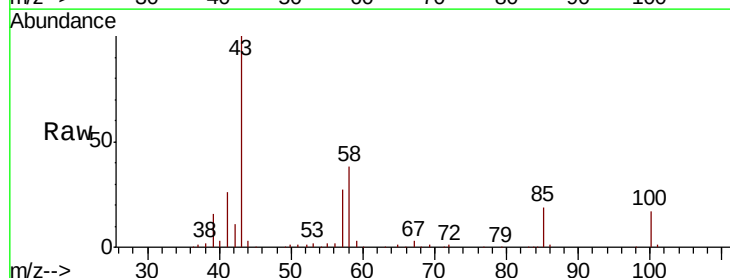
Tgt Ion: 43 Resp: 86255

Ion Ratio Lower Upper

43 100

58 39.1 31.0 46.4

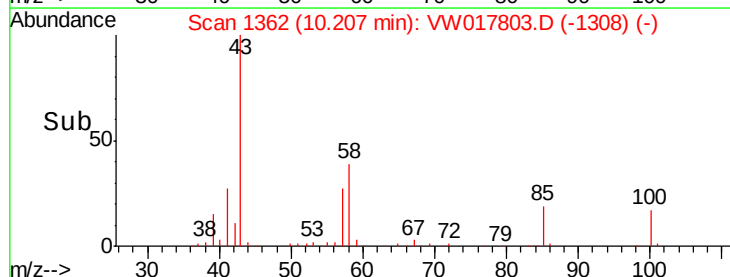
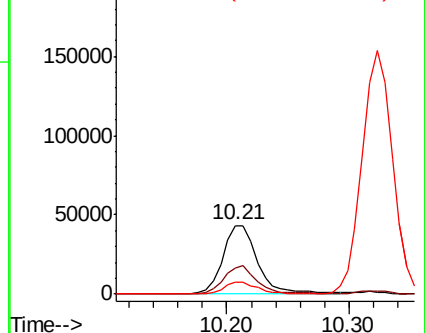
100 17.0 13.5 20.3

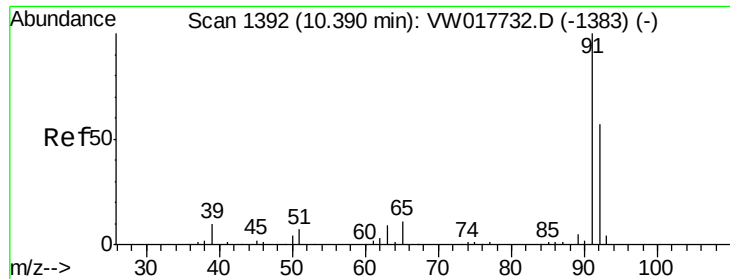


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 22.858 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

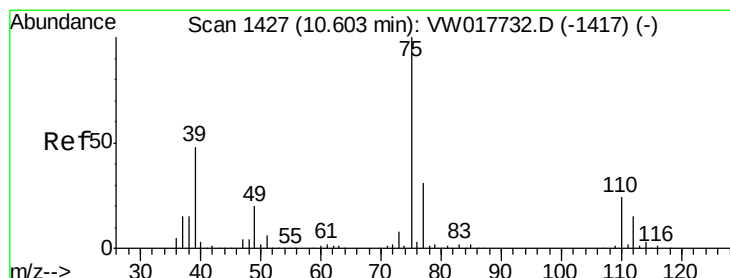
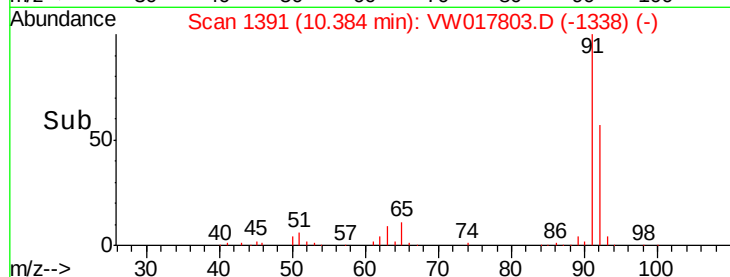
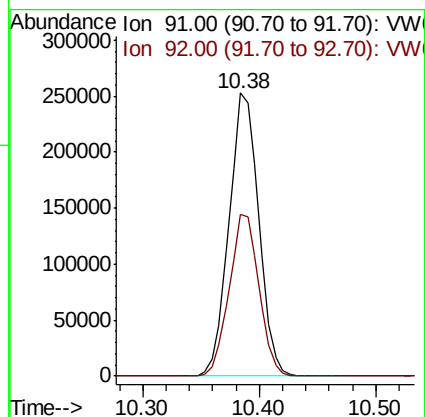
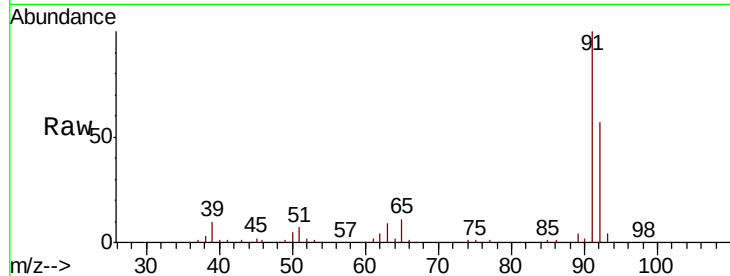
BFB20

Tot Ion: 91 Resp: 449877

Ion Ratio Lower Upper

91 100

92 57.4 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 22.675 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017803.D

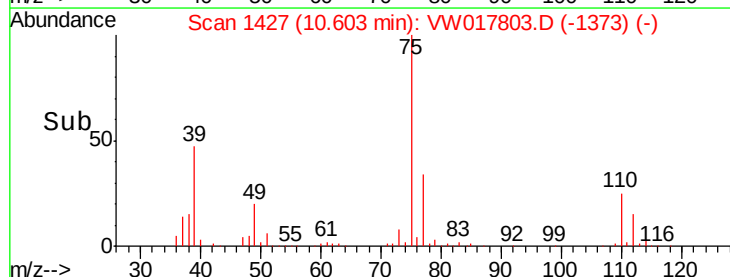
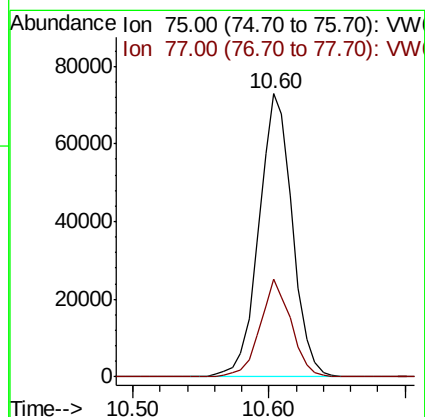
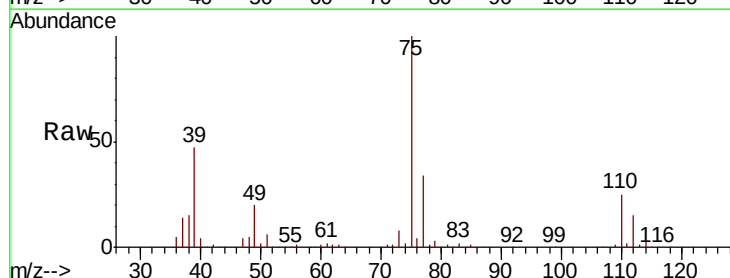
Acq: 08 Jan 2021 13:14

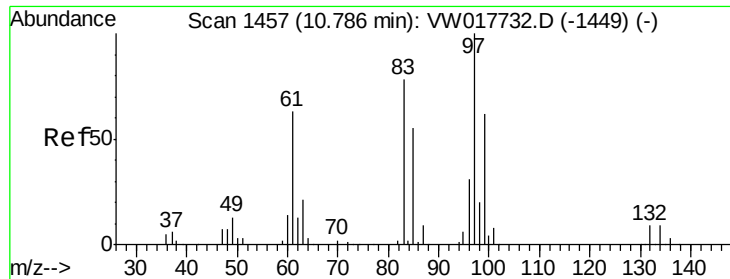
Tgt Ion: 75 Resp: 125549

Ion Ratio Lower Upper

75 100

77 34.3 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 22.890 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

Tot Ion: 97 Resp: 69327

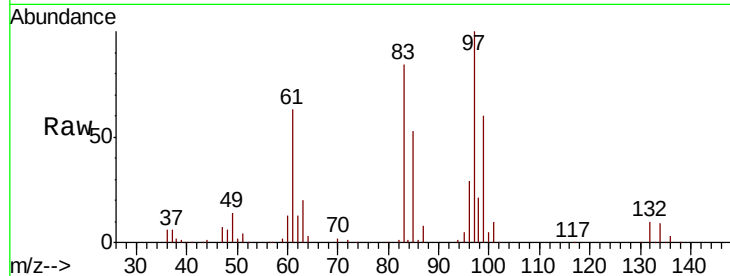
Ion Ratio Lower Upper

97 100

83 84.1 58.9 109.5

85 53.1 37.1 68.9

99 60.5 42.7 79.3



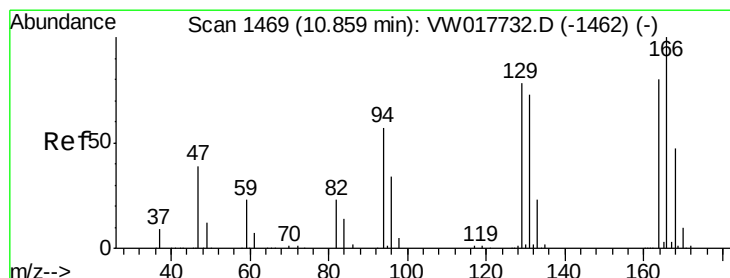
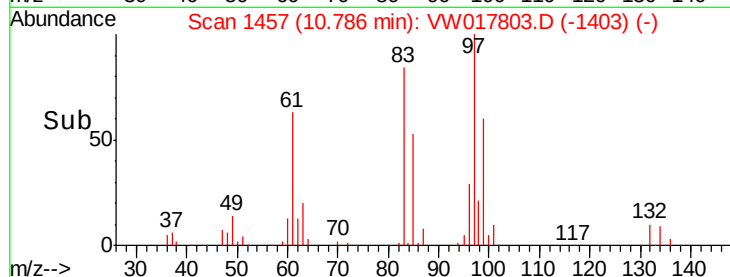
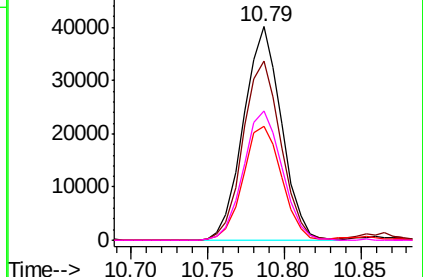
Abundance

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: 21.977 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Tgt Ion: 164 Resp: 82087

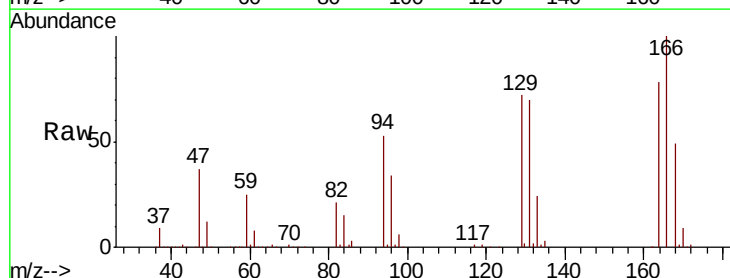
Ion Ratio Lower Upper

164 100

129 92.4 62.9 116.9

131 89.0 63.8 118.6

166 128.0 87.4 162.2



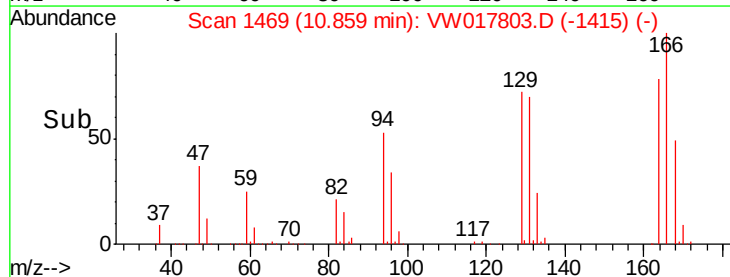
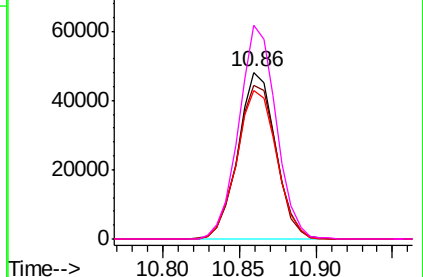
Abundance

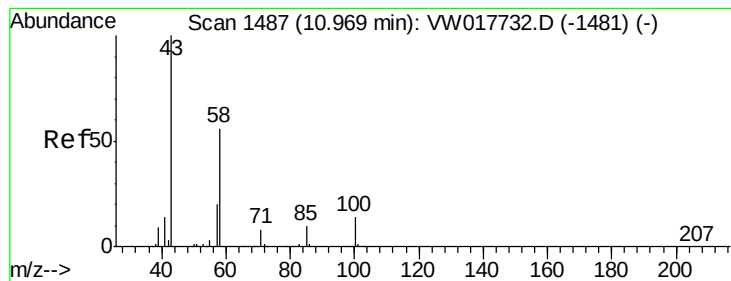
Ion 164.00 (163.70 to 164.70): V

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: 42.040 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampled :

BFB20

Tot Ion: 43 Resp: 59044

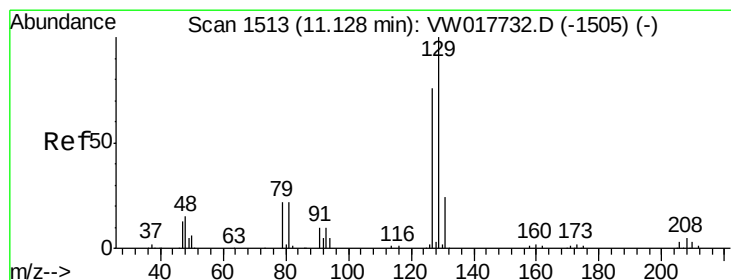
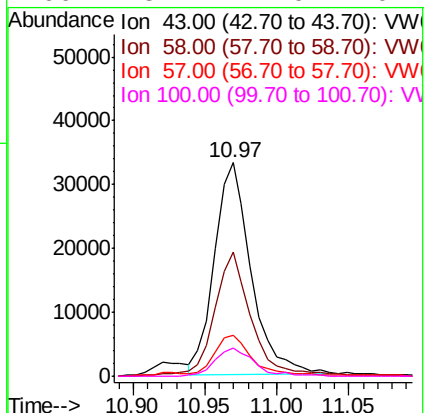
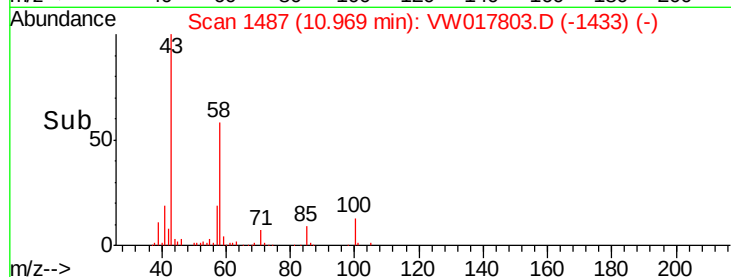
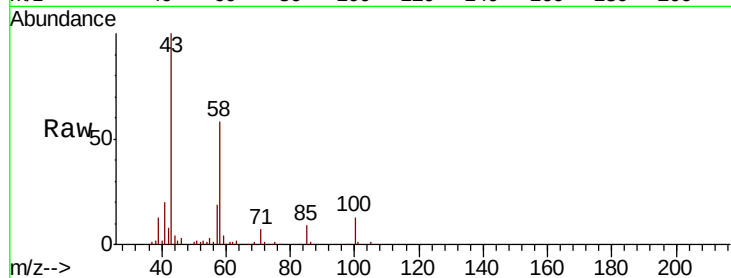
Ion Ratio Lower Upper

43 100

58 59.6 44.2 66.4

57 17.6 16.1 24.1

100 13.4 11.0 16.4



#50

Dibromochloromethane

Concen: 23.079 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017803.D

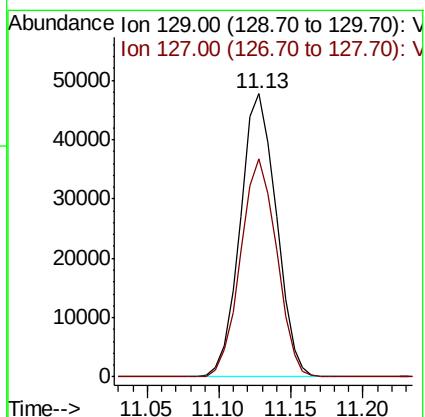
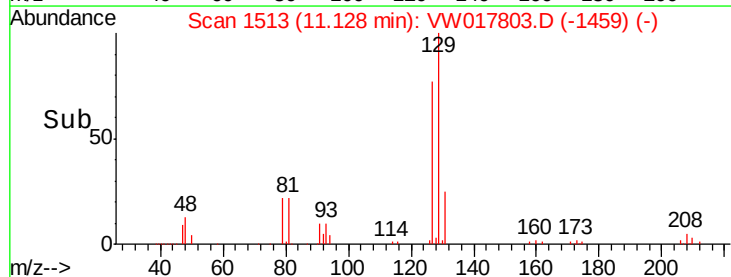
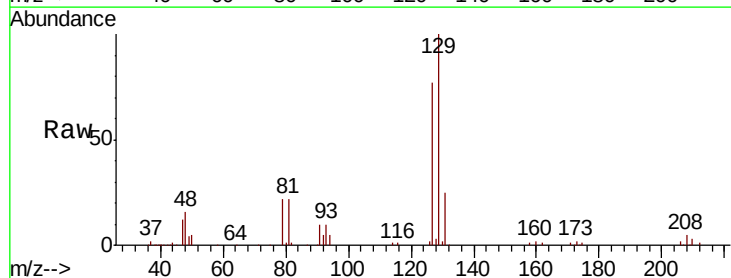
Acq: 08 Jan 2021 13:14

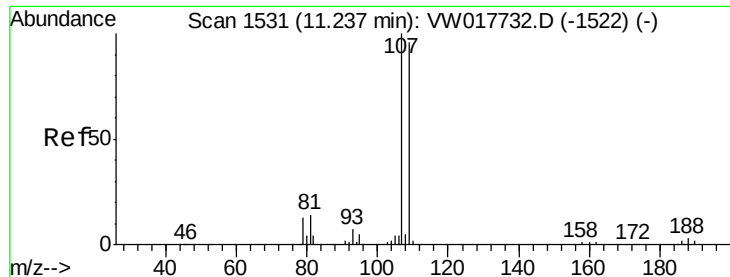
Tgt Ion: 129 Resp: 82985

Ion Ratio Lower Upper

129 100

127 77.1 56.1 104.3

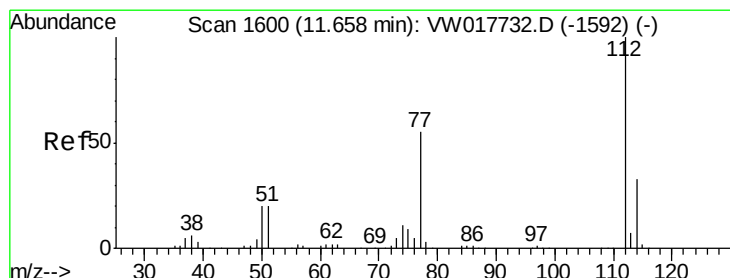
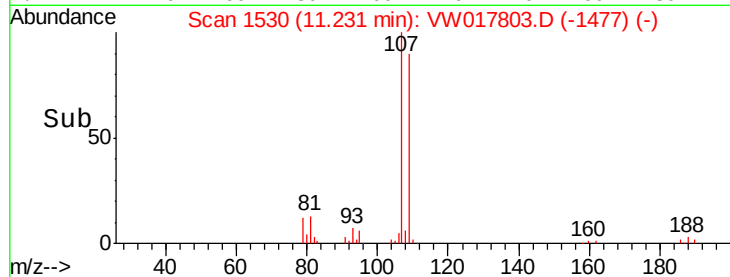
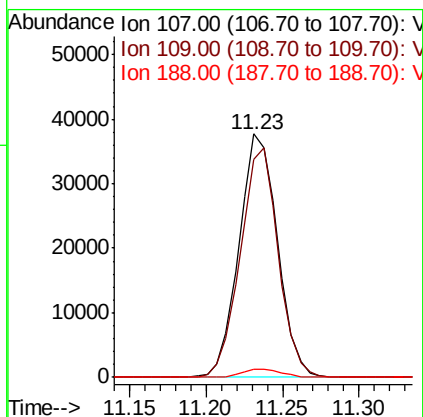
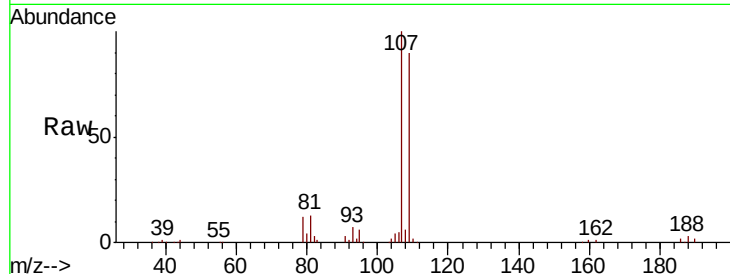




#51
 1,2-Dibromoethane
 Concen: 22.977 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

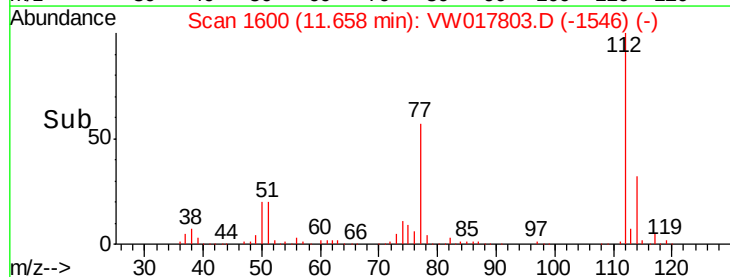
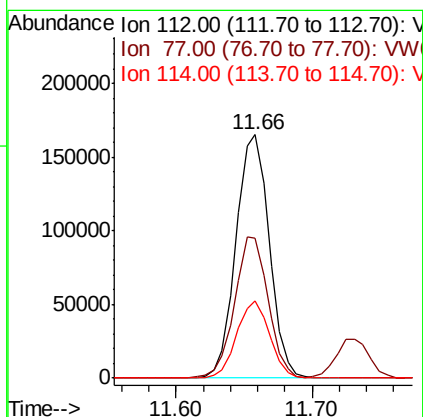
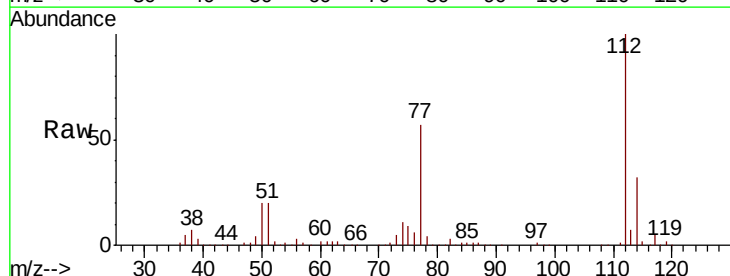
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

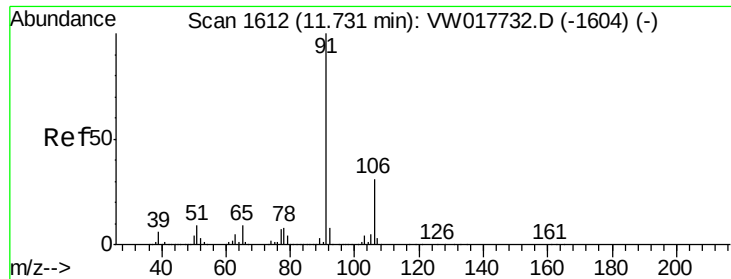
Tot Ion:107 Resp: 65883
 Ion Ratio Lower Upper
 107 100
 109 89.8 68.5 127.1
 188 3.2 2.7 4.1



#52
 Chlorobenzene
 Concen: 22.966 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Tgt Ion:112 Resp: 282173
 Ion Ratio Lower Upper
 112 100
 77 57.3 43.4 65.2
 114 31.7 21.6 40.2

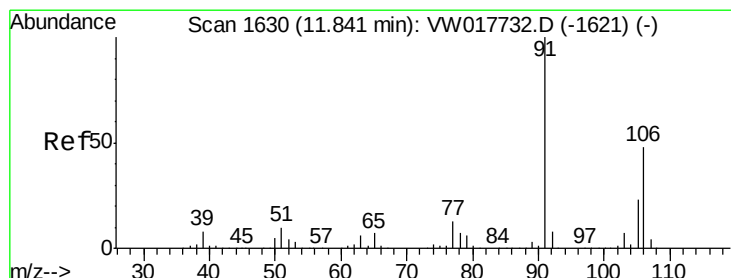
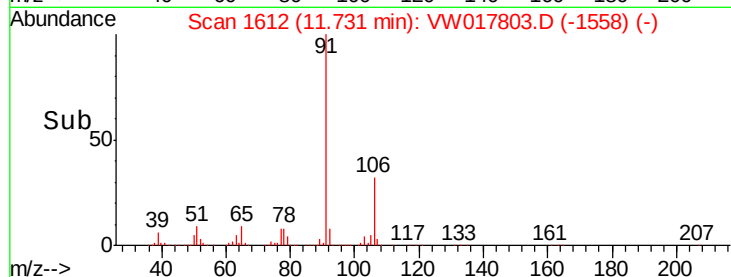
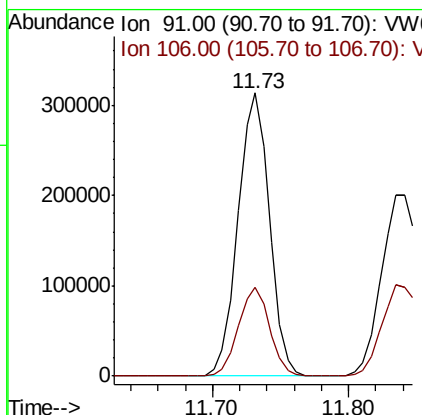
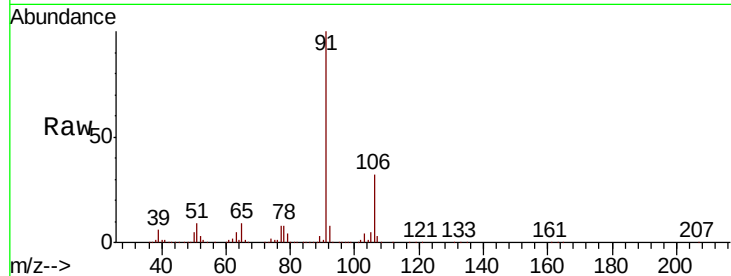




#53
Ethylbenzene
Concen: 22.613 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

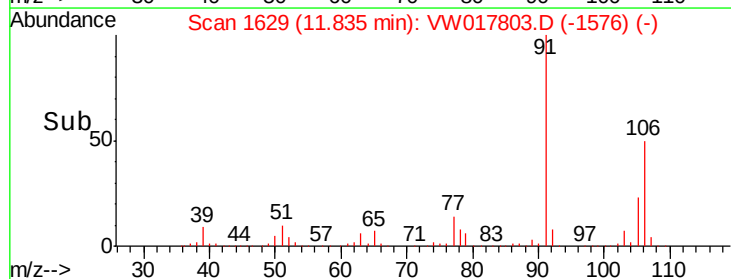
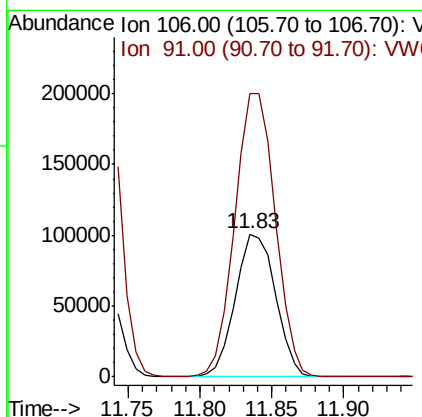
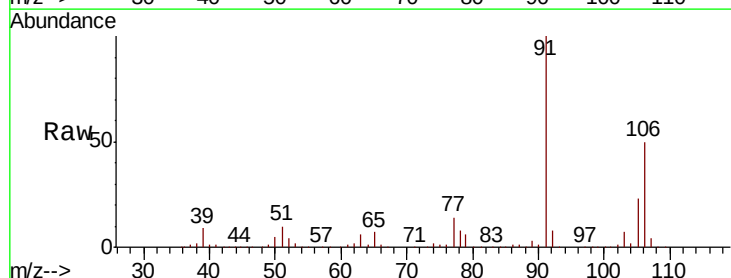
Instrument :
MSVOA_W
ClientSampleId :
BFB20

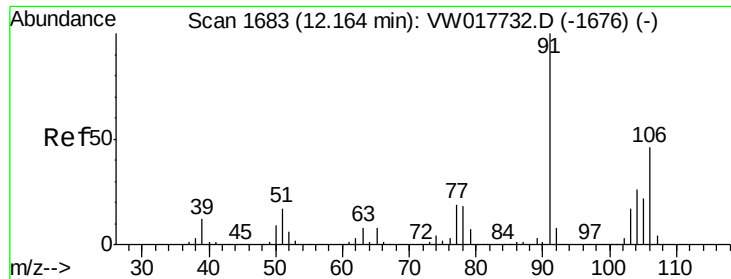
Tot Ion: 91 Resp: 504978
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#54
m,p-Xylene
Concen: 22.412 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Tgt Ion: 106 Resp: 195782
Ion Ratio Lower Upper
106 100
91 198.3 141.6 263.0

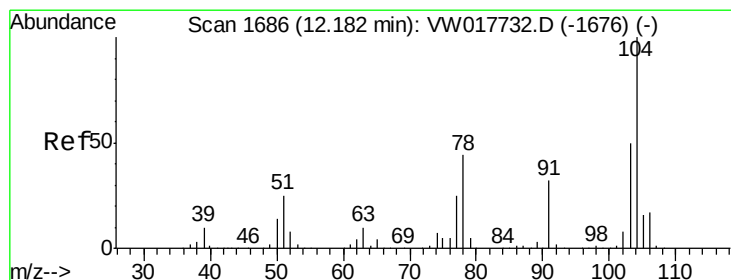
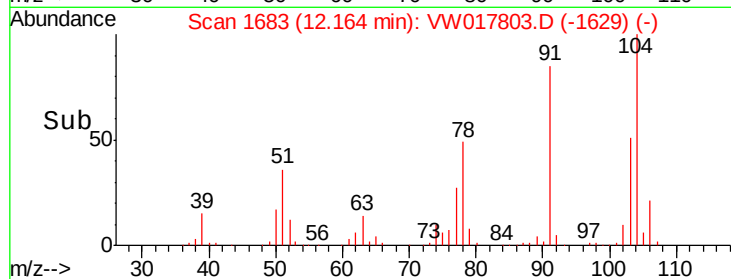
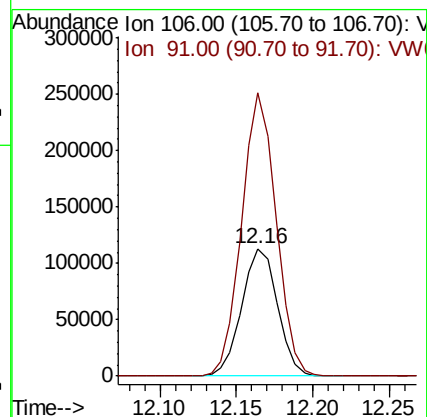
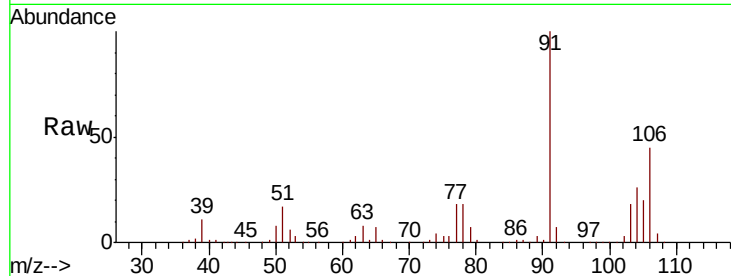




#55
o-xylene
Concen: 22.398 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

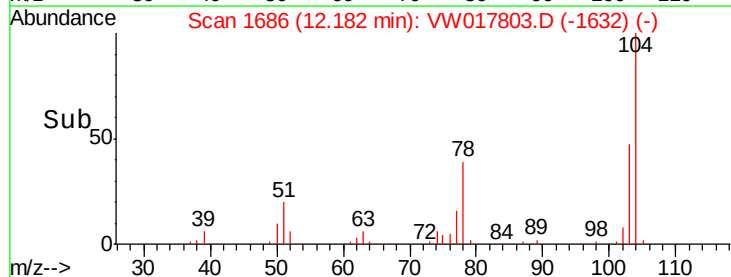
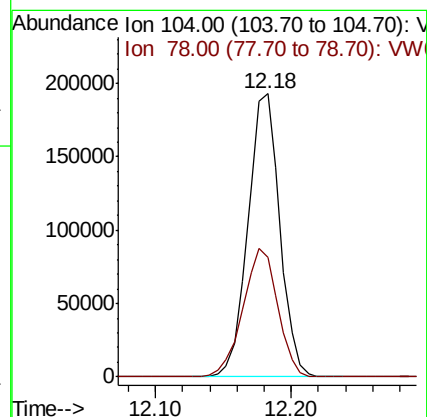
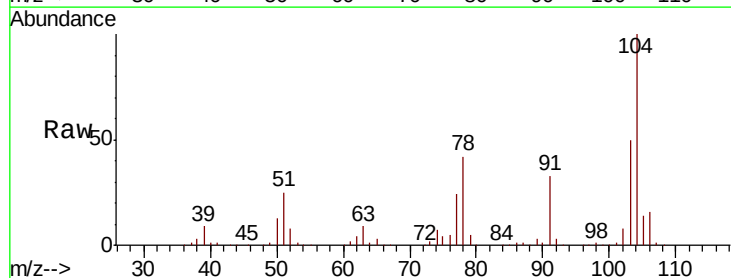
Instrument :
MSVOA_W
ClientSampled :
BFB20

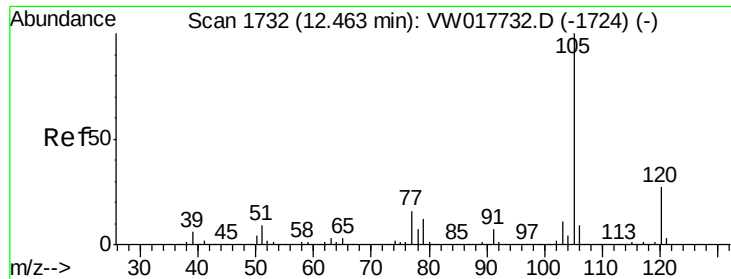
Tot Ion:106 Resp: 184006
Ion Ratio Lower Upper
106 100
91 221.9 145.7 270.7



#56
Styrene
Concen: 23.137 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017803.D
Acq: 08 Jan 2021 13:14

Tgt Ion:104 Resp: 316174
Ion Ratio Lower Upper
104 100
78 42.4 31.6 58.8





#57

Isopropylbenzene

Concen: 22.390 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

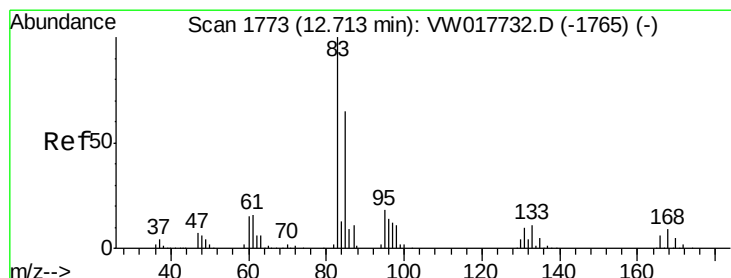
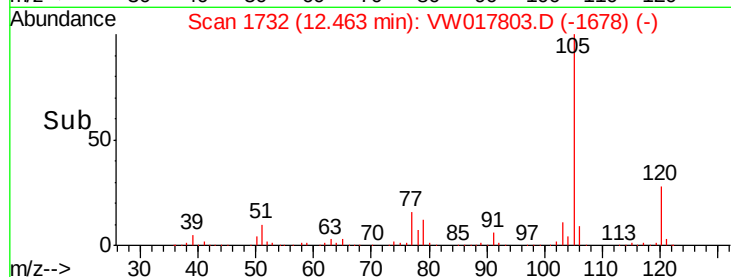
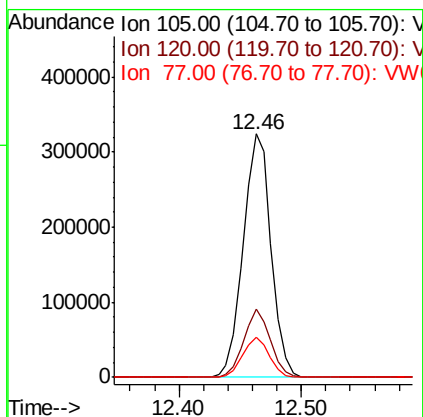
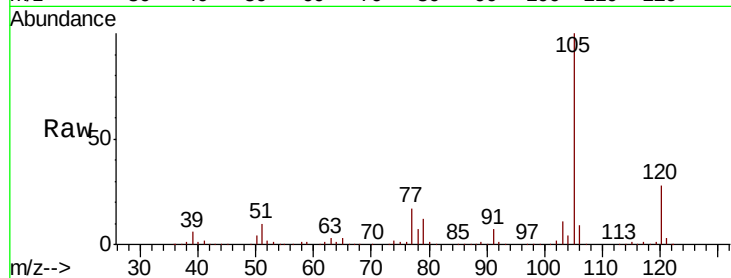
Tot Ion:105 Resp: 509254

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

77 16.0 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 22.518 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

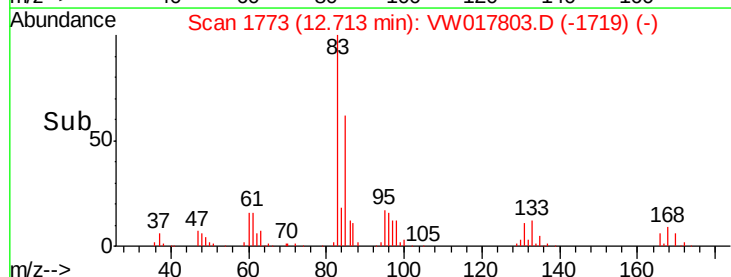
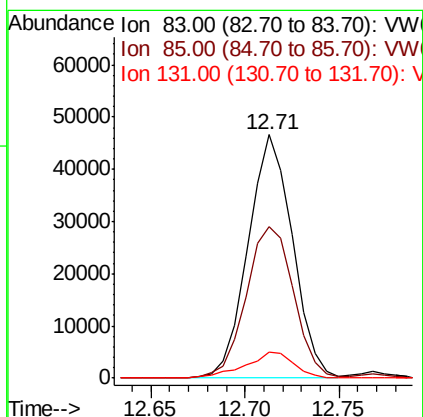
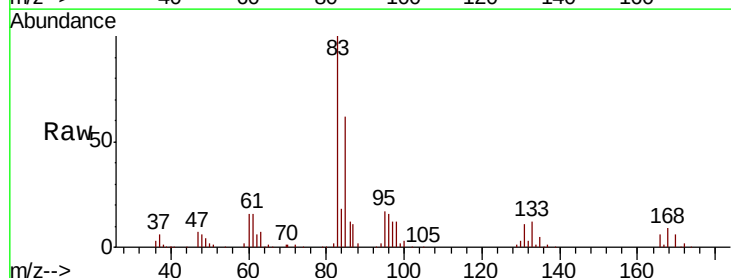
Tgt Ion: 83 Resp: 76122

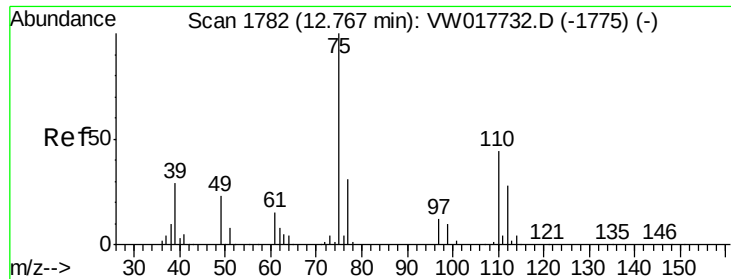
Ion Ratio Lower Upper

83 100

85 62.3 45.6 84.8

131 10.9 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 22.550 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

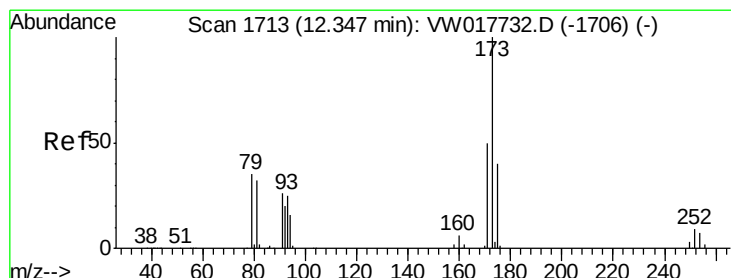
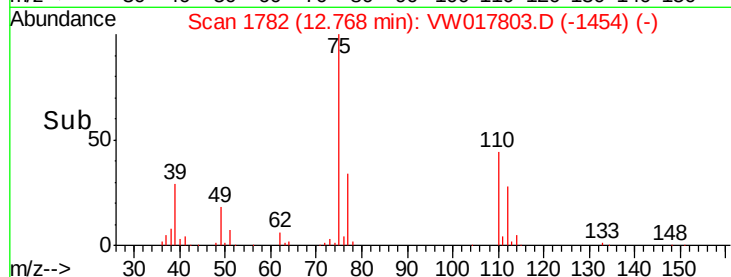
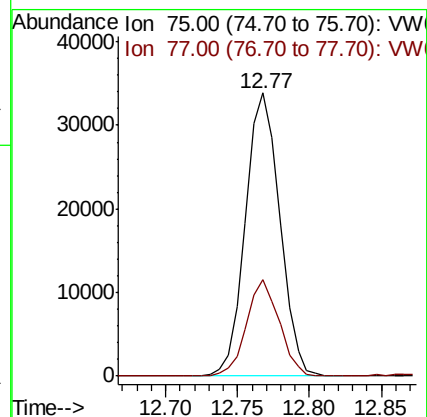
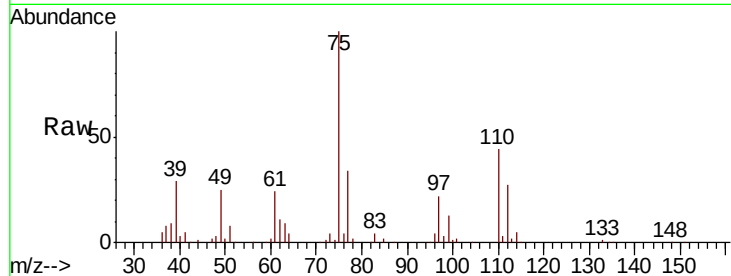
BFB20

Tot Ion: 75 Resp: 56035

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



#62

Bromoform

Concen: 19.929 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

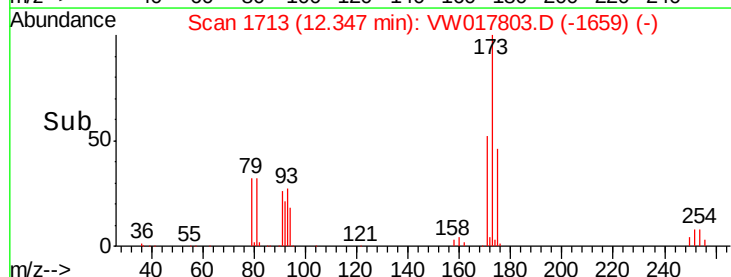
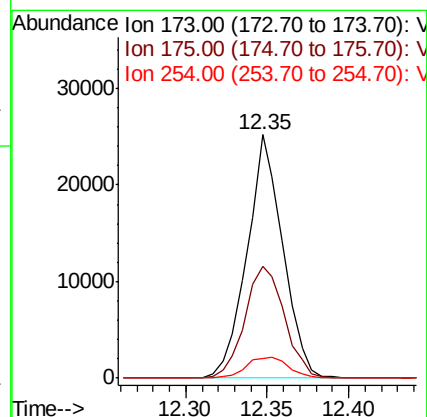
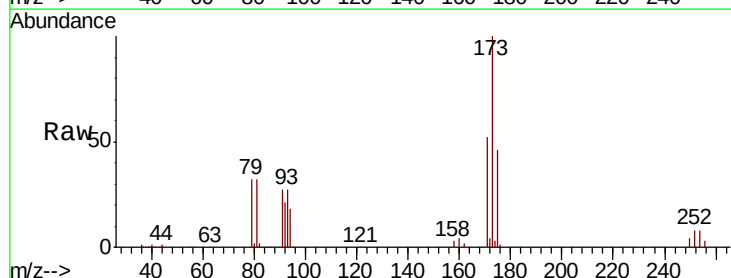
Tgt Ion: 173 Resp: 38655

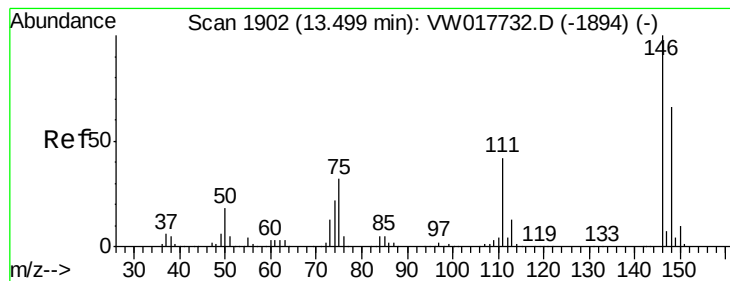
Ion Ratio Lower Upper

173 100

175 50.6 38.1 57.1

254 10.2 6.7 10.1#





#63

1,3-Dichlorobenzene

Concen: 22.211 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

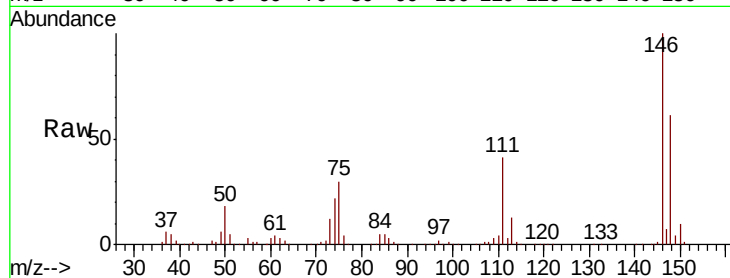
Tot Ion:146 Resp: 217318

Ion Ratio Lower Upper

146 100

111 40.9 29.5 54.7

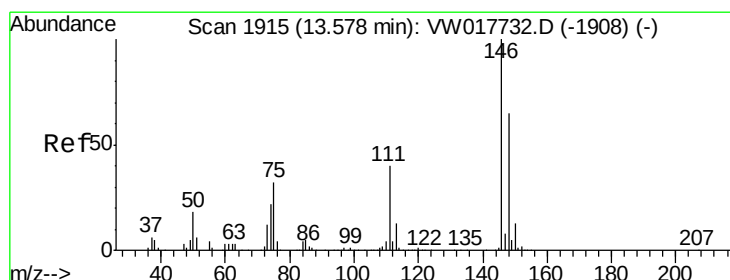
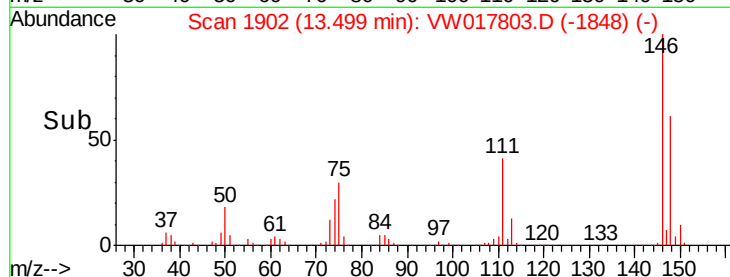
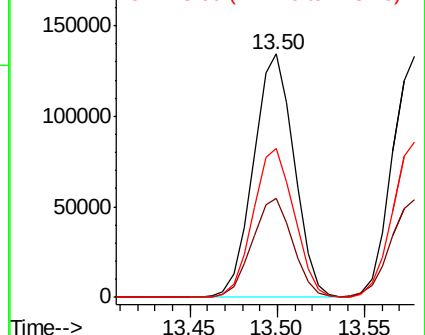
148 61.1 47.7 88.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 21.742 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

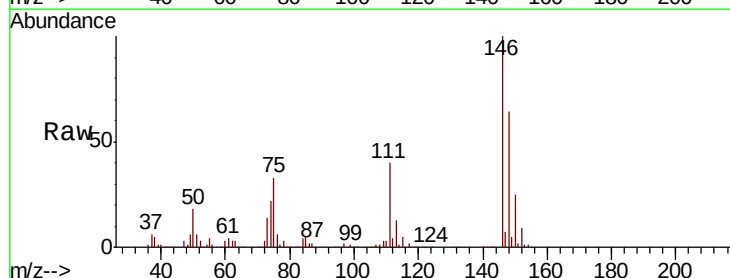
Tgt Ion:146 Resp: 213777

Ion Ratio Lower Upper

146 100

111 40.4 27.7 51.5

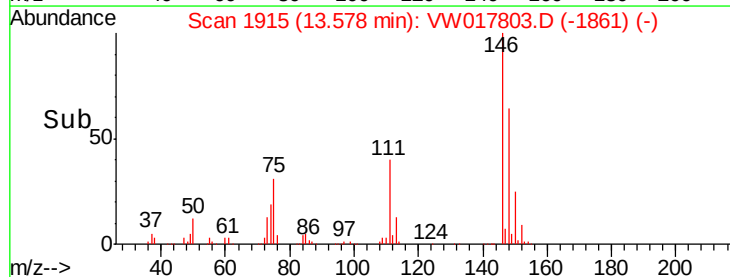
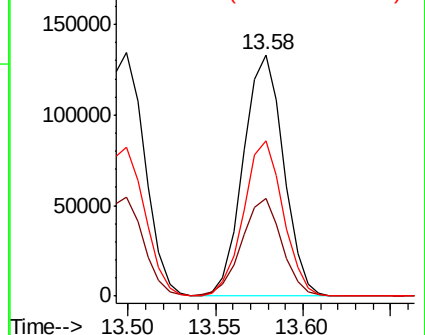
148 64.1 44.2 82.2

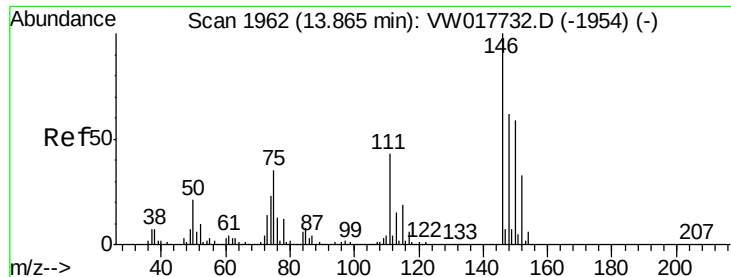


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 22.290 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

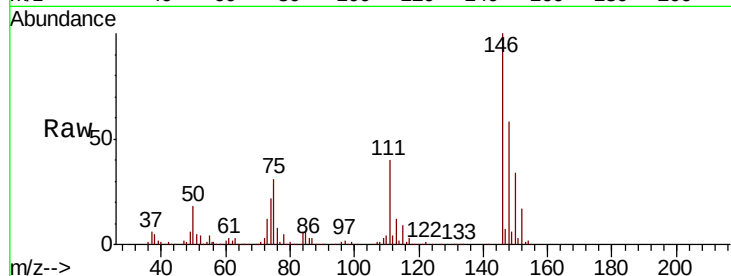
Tot Ion:146 Resp: 191630

Ion Ratio Lower Upper

146 100

111 39.9 34.4 51.6

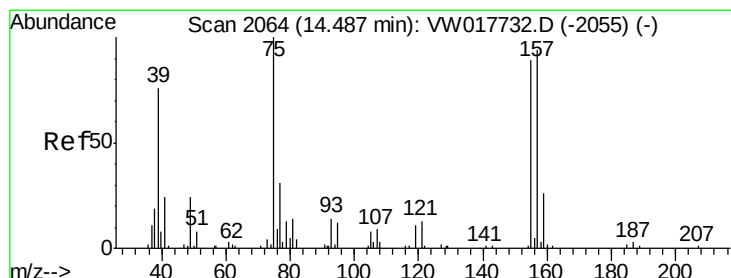
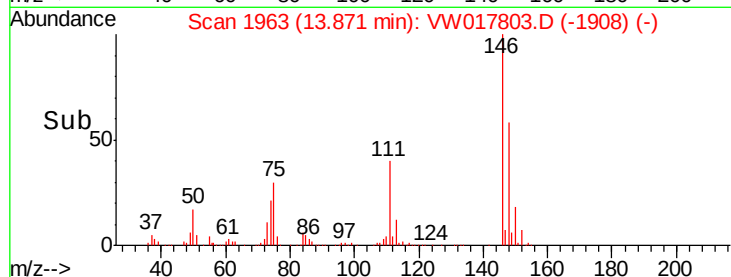
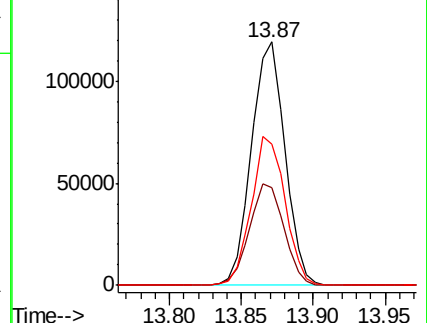
148 57.9 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.608 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

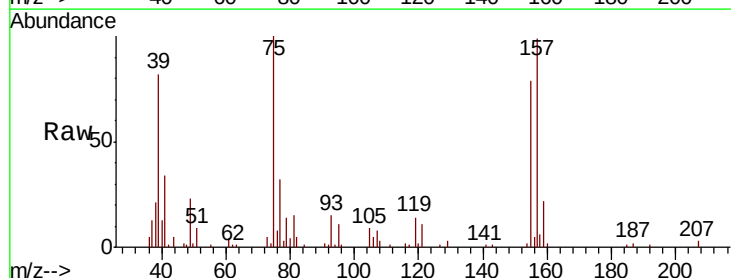
Tgt Ion: 75 Resp: 11103

Ion Ratio Lower Upper

75 100

157 98.5 70.2 105.4

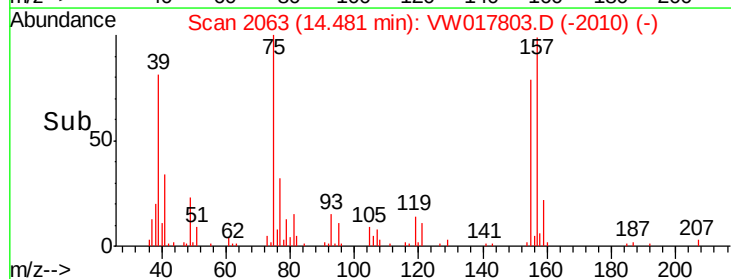
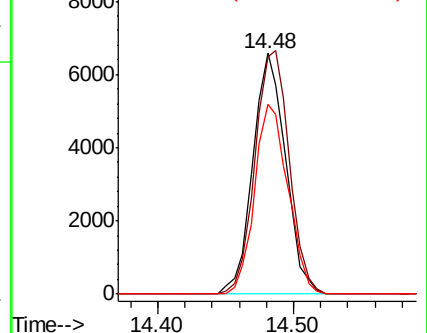
155 78.6 59.8 89.6

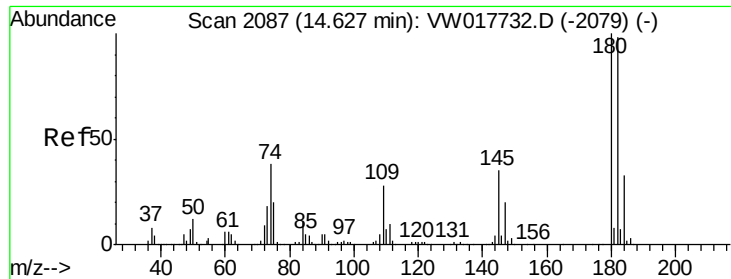


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

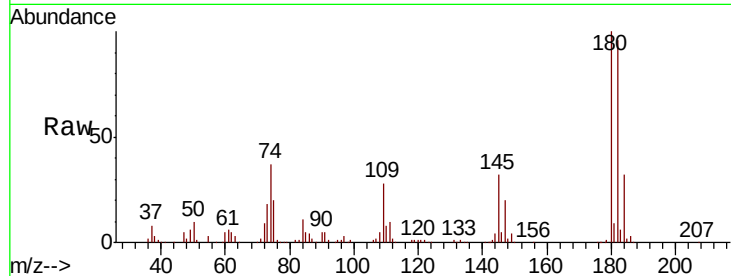




#67
 1,3,5-Trichlorobenzene
 Concen: 22.222 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Instrument :
 MSVOA_W
 ClientSampled :
 BFB20

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.2
184	29.4	23.6	35.4
145	31.5	25.2	37.8



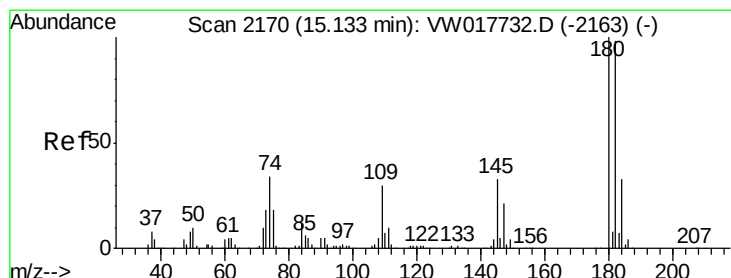
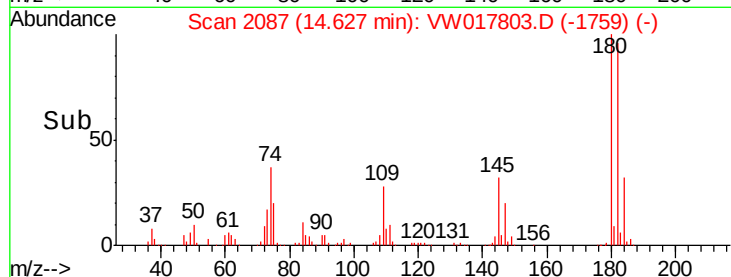
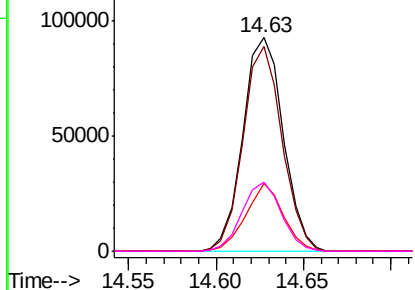
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

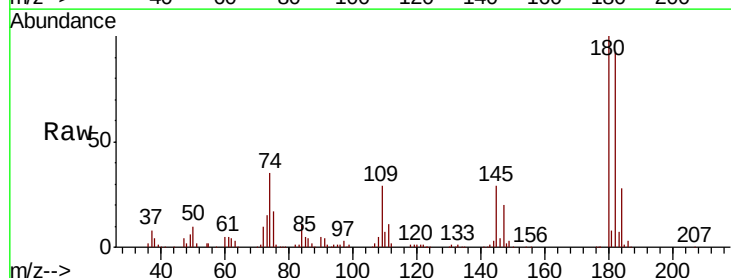
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.387 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017803.D
 Acq: 08 Jan 2021 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	73.0	109.6
145	32.9	25.8	38.6

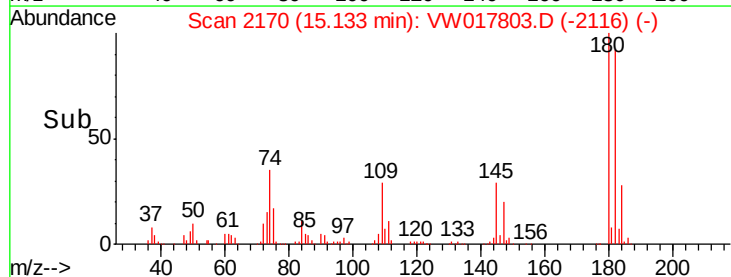
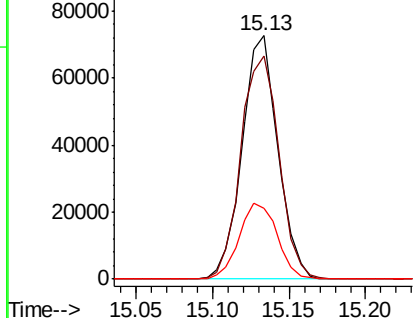


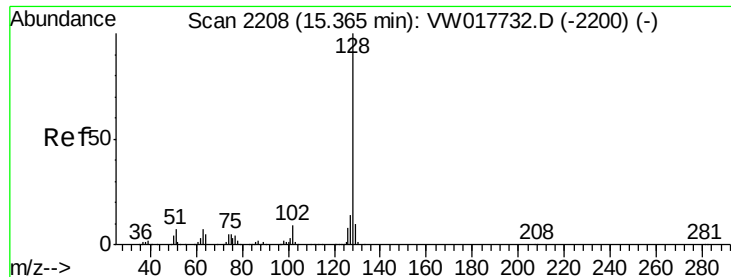
Abundance

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: 21.120 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

Instrument :

MSVOA_W

ClientSampleId :

BFB20

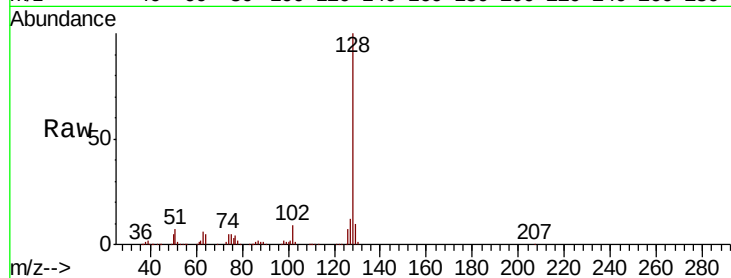
Tot Ion:128 Resp: 222047

Ion Ratio Lower Upper

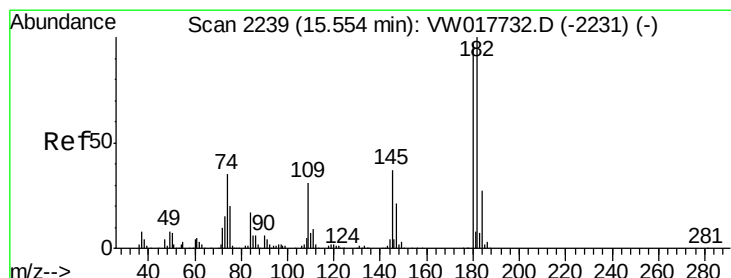
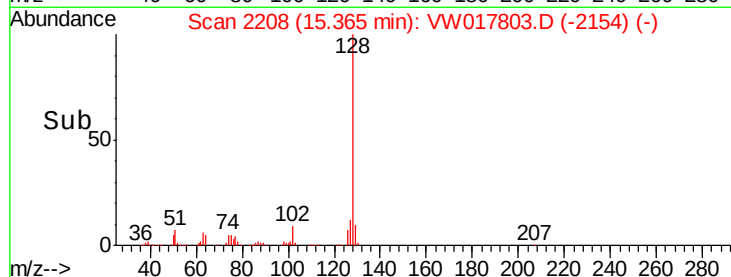
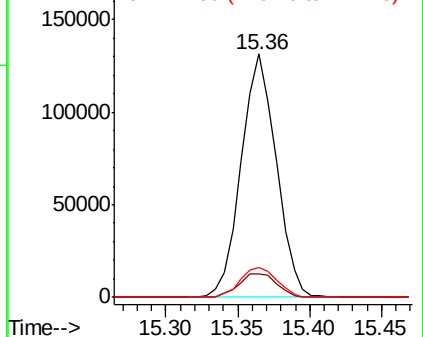
128 100

129 10.8 8.8 13.2

127 13.0 10.6 15.8



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: 21.600 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017803.D

Acq: 08 Jan 2021 13:14

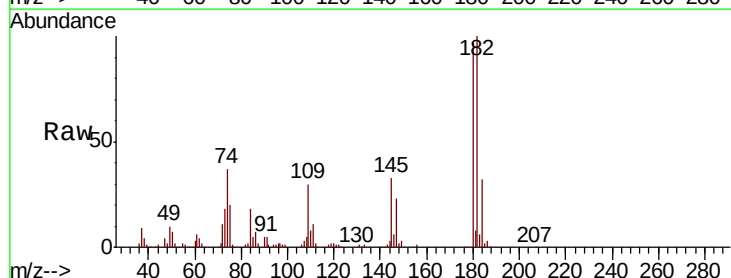
Tgt Ion:180 Resp: 100702

Ion Ratio Lower Upper

180 100

182 94.3 74.8 112.2

145 34.2 28.6 43.0



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

