

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122820\
 Data File : VW017761.D
 Acq On : 28 Dec 2020 13:46
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Quant Time: Dec 29 04:07:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 28 13:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	348850	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323368	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	173671	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121824	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
7) Chloroethane-d5	2.89	69	107760	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
11) 1,1-Dichloroethene-d2	4.03	63	226013	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.56%
21) 2-Butanone-d5	7.07	46	60487	50.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.76%
24) Chloroform-d	7.65	84	241770	25.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.32%
26) 1,2-Dichloroethane-d4	8.31	65	137172	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.72%
32) Benzene-d6	8.27	84	456073	24.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	9.27	67	132600	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.60%
41) Toluene-d8	10.32	98	439677	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
43) trans-1,3-Dichloropropene-	10.58	79	64608	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.64%
47) 2-Hexanone-d5	10.93	63	44360	52.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.32%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	120957	26.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	151527	24.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	90084	22.296	ug/L	96
3) Chloromethane	2.21	50	82520	23.526	ug/L	100
5) Vinyl chloride	2.36	62	142516	24.345	ug/L	99
6) Bromomethane	2.78	94	110026	22.255	ug/L	95
8) Chloroethane	2.92	64	94326	24.432	ug/L	98
9) Trichlorofluoromethane	3.26	101	106487	25.412	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	114010	24.990	ug/L	99
12) 1,1-Dichloroethene	4.04	96	109436	25.153	ug/L	96
13) Acetone	4.12	43	44095	48.586	ug/L	100
14) Carbon disulfide	4.39	76	338336	25.107	ug/L	100
15) Methyl Acetate	4.67	43	50858	24.999	ug/L	98
16) Methylene chloride	4.92	84	119324	21.738	ug/L	99
17) trans-1,2-Dichloroethene	5.43	96	121113	24.792	ug/L	98
18) Methyl tert-butyl Ether	5.42	73	163925	25.765	ug/L	100
19) 1,1-Dichloroethane	6.22	63	213870	25.042	ug/L	97
20) cis-1,2-Dichloroethene	7.17	96	131976	25.223	ug/L	93
22) 2-Butanone	7.17	43	70810	52.187	ug/L	98

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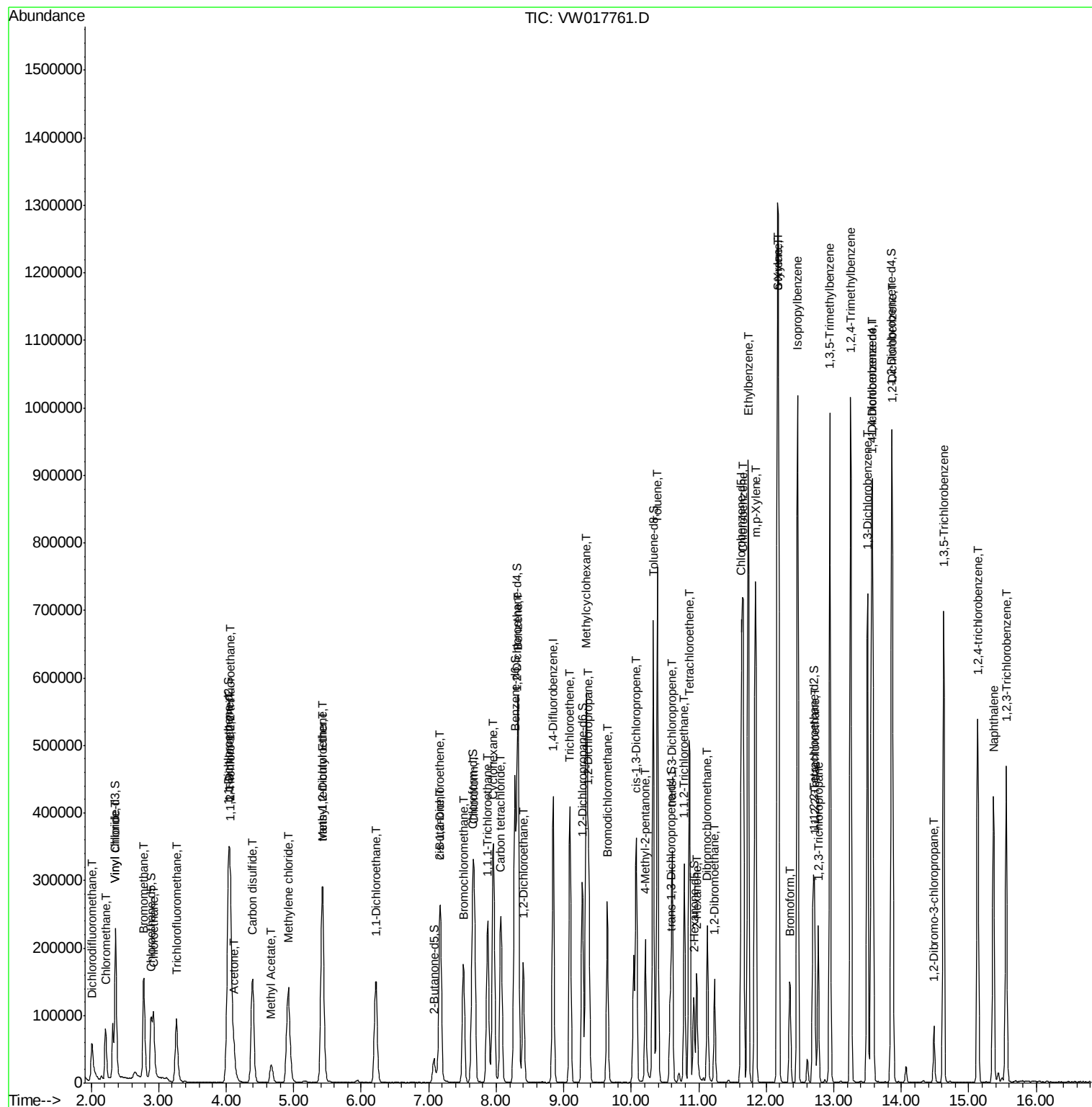
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59278	25.100	ug/L	90
25) Chloroform	7.68	83	226278	25.051	ug/L	94
27) 1,2-Dichloroethane	8.40	62	161120	25.615	ug/L	99
29) Cyclohexane	7.96	56	198471	25.273	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	190233	25.038	ug/L	99
31) Carbon tetrachloride	8.07	117	178904	24.708	ug/L	99
33) Benzene	8.32	78	486492	25.141	ug/L	100
34) Trichloroethene	9.09	95	135170	25.784	ug/L	94
35) Methylcyclohexane	9.34	83	236058	26.296	ug/L	99
37) 1,2-Dichloropropane	9.37	63	118991	25.370	ug/L	99
38) Bromodichloromethane	9.65	83	169043	25.538	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	198396	25.739	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	147574	51.959	ug/L	99
42) Toluene	10.39	91	557904	25.591	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	177863	25.686	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	97444	25.912	ug/L	97
46) Tetrachloroethene	10.86	164	105788	26.108	ug/L	98
48) 2-Hexanone	10.97	43	102960	52.974	ug/L	96
49) Dibromochloromethane	11.13	129	114781	25.603	ug/L	96
50) 1,2-Dibromoethane	11.24	107	95518	26.105	ug/L	96
51) Chlorobenzene	11.66	112	355416	25.766	ug/L	98
52) Ethylbenzene	11.73	91	642987	26.092	ug/L	97
53) m,p-Xylene	11.84	106	245559	25.808	ug/L	92
54) o-Xylene	12.16	106	231633	25.521	ug/L	100
55) Styrene	12.18	104	398223	25.628	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	120293	26.637	ug/L	95
59) Bromoform	12.35	173	64013	25.508	ug/L #	97
60) Isopropylbenzene	12.46	105	656238	25.970	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	88412	25.297	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	532281	25.732	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	540688	25.971	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	277228	25.305	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	282870	25.859	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	254842	25.462	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.48	75	20146	25.245	ug/L	91
69) 1,3,5-Trichlorobenzene	14.63	180	196313	26.469	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	163650	25.503	ug/L	97
71) Naphthalene	15.36	128	354722	25.717	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	144078	25.335	ug/L	97

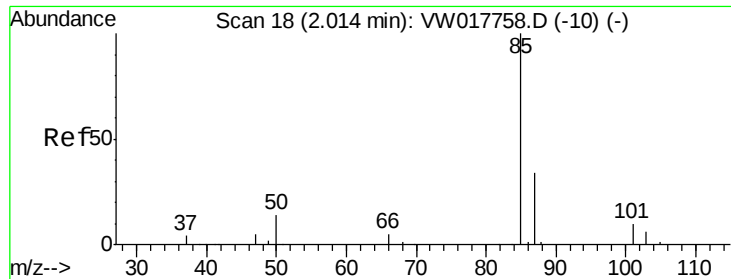
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.296 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampled :

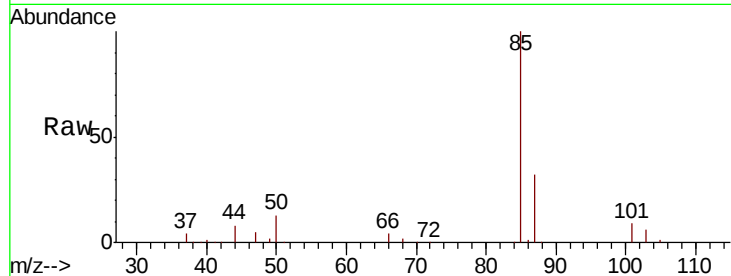
BFB20

Tot Ion: 85 Resp: 90084

Ion Ratio Lower Upper

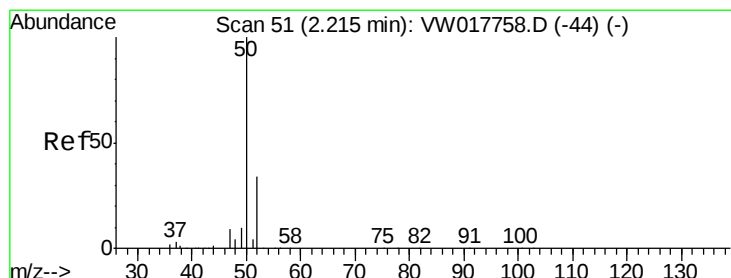
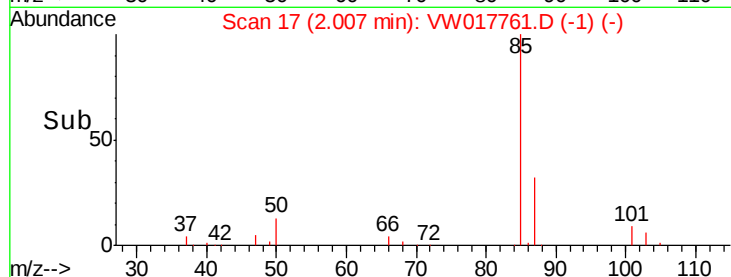
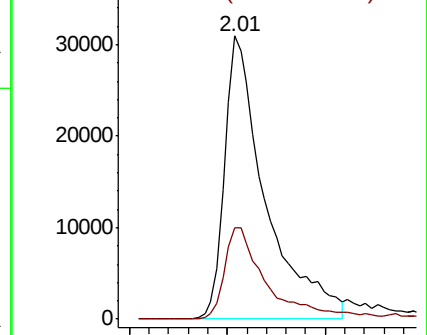
85 100

87 32.0 23.8 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.526 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017761.D

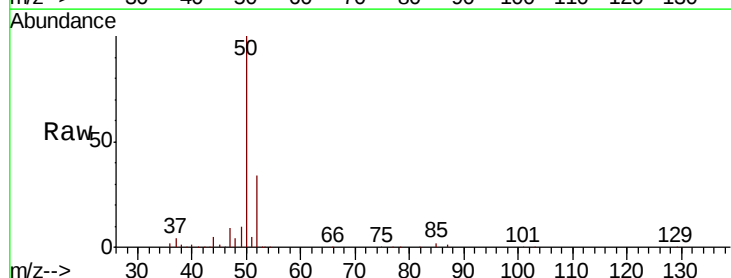
Acq: 28 Dec 2020 13:46

Tgt Ion: 50 Resp: 82520

Ion Ratio Lower Upper

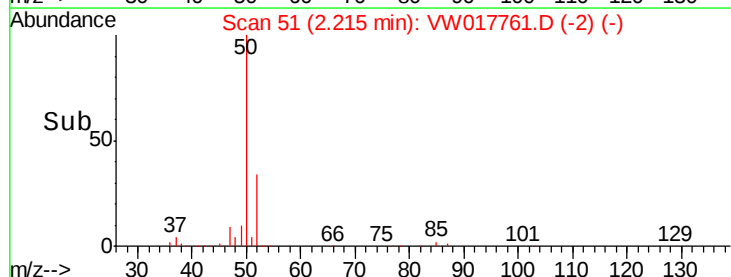
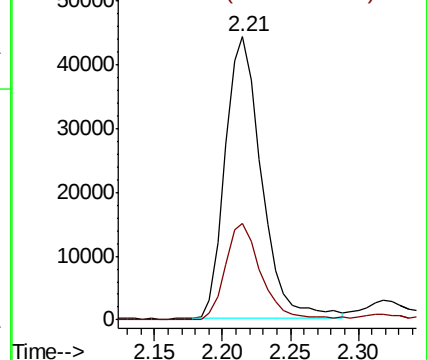
50 100

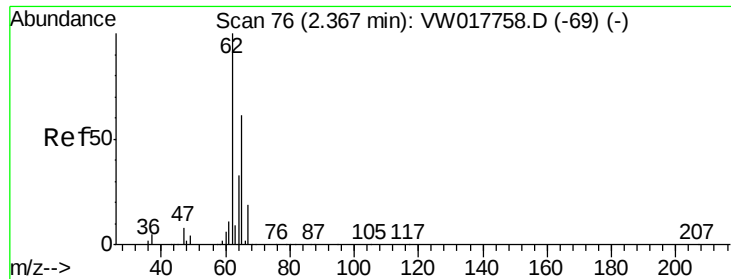
52 33.9 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.345 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampleId :

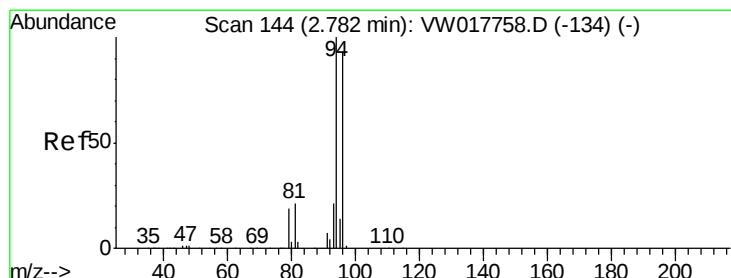
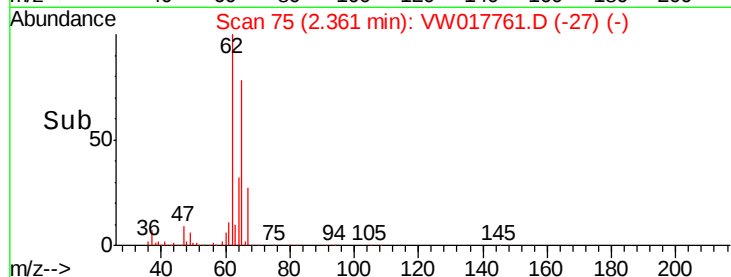
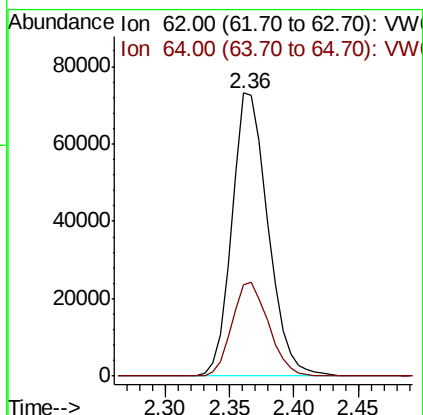
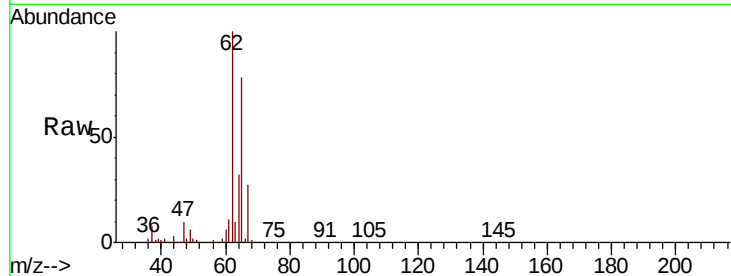
BFB20

Tot Ion: 62 Resp: 142516

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 22.255 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017761.D

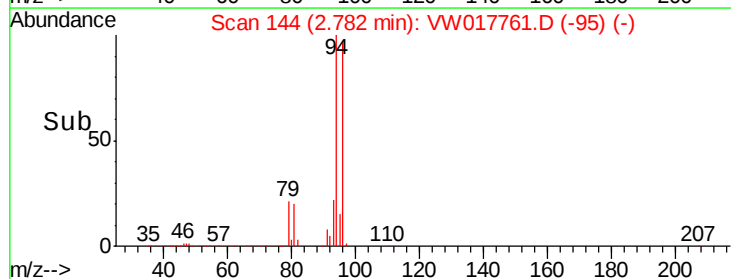
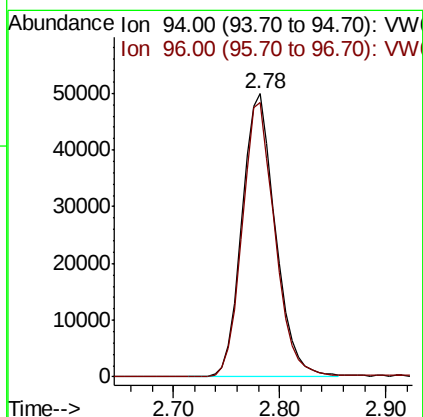
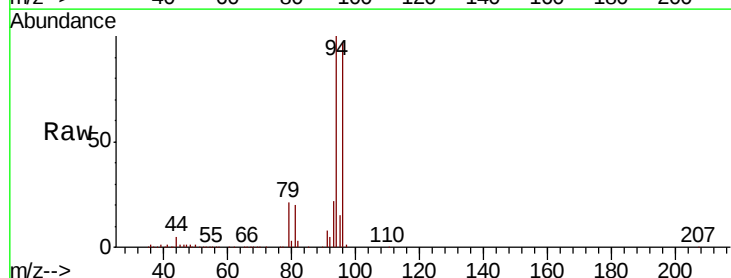
Acq: 28 Dec 2020 13:46

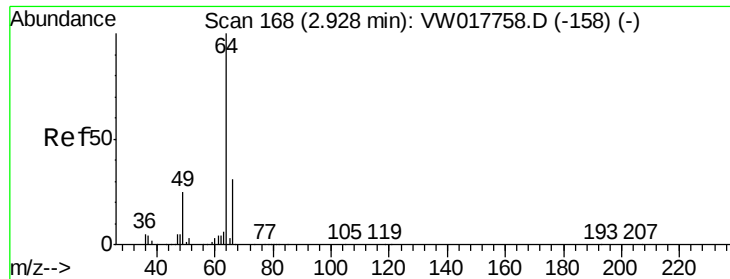
Tgt Ion: 94 Resp: 110026

Ion Ratio Lower Upper

94 100

96 97.1 65.0 120.6





#8

Chloroethane

Concen: 24.432 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampled :

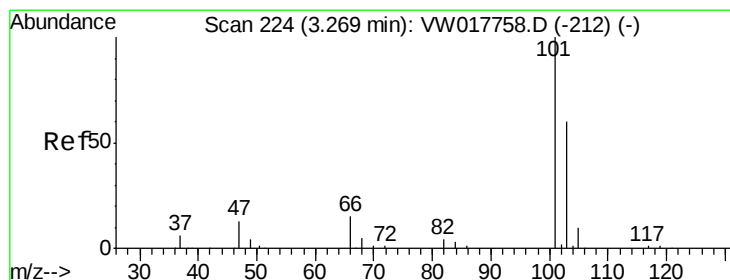
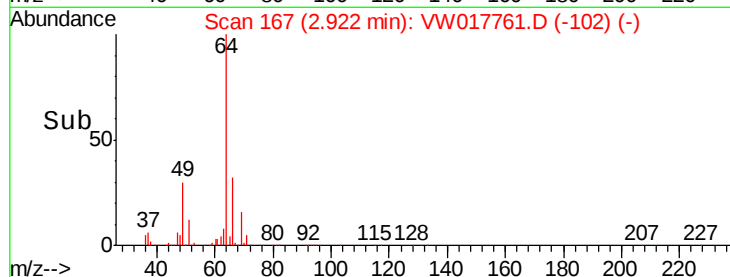
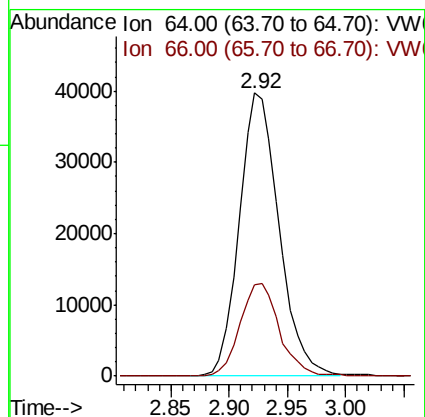
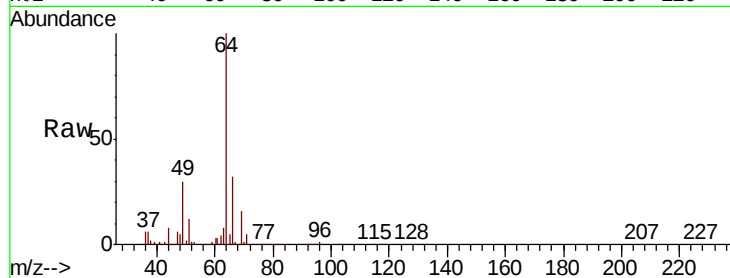
BFB20

Tot Ion: 64 Resp: 94326

Ion Ratio Lower Upper

64 100

66 32.4 21.7 40.3



#9

Trichlorofluoromethane

Concen: 25.412 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017761.D

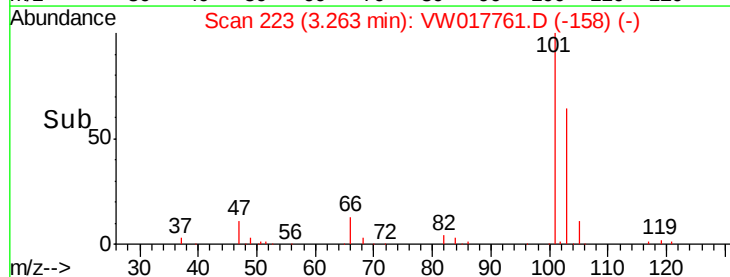
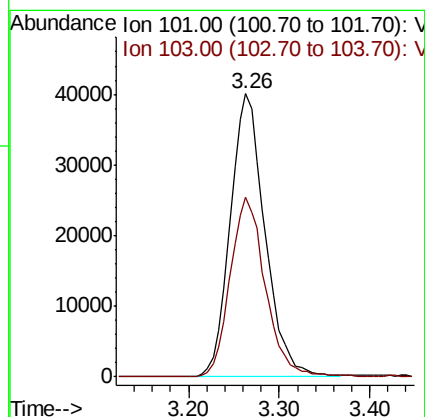
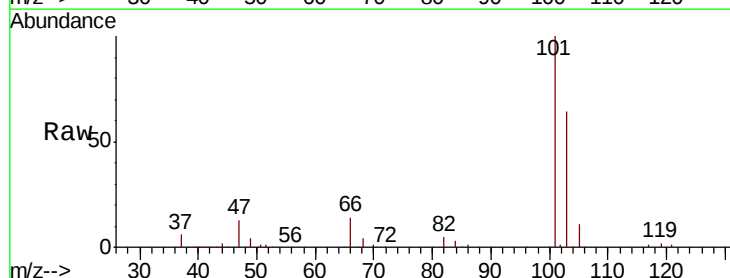
Acq: 28 Dec 2020 13:46

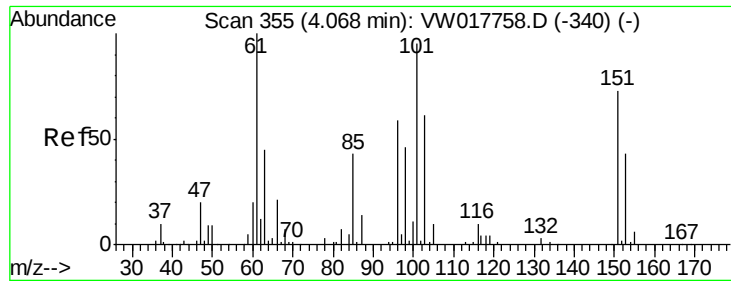
Tgt Ion: 101 Resp: 106487

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8





#10

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

Concen: 24.990 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

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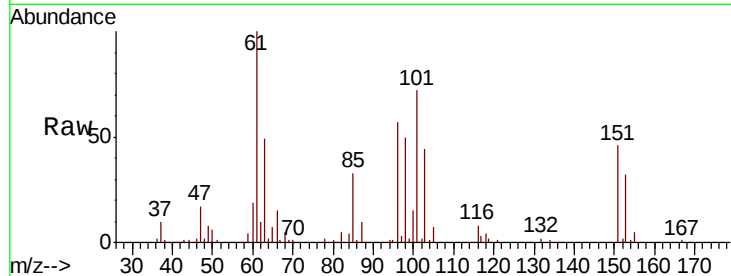
Tot Ion:101 Resp: 114010

Ion Ratio Lower Upper

101 100

85 47.8 37.9 56.9

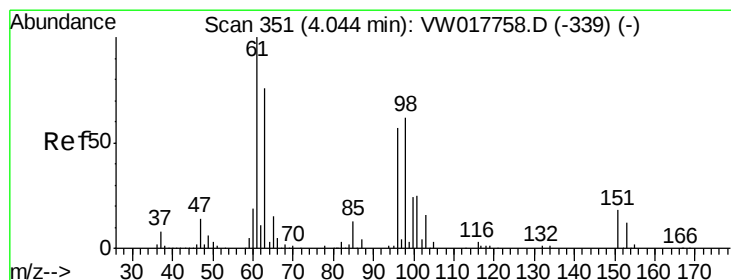
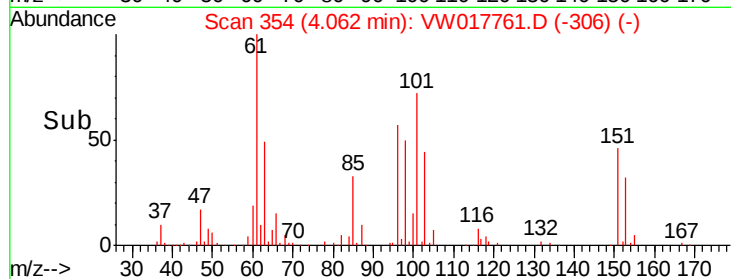
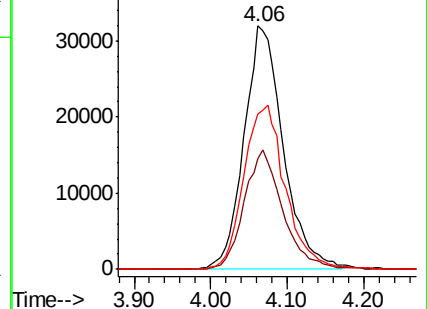
151 71.0 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.153 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

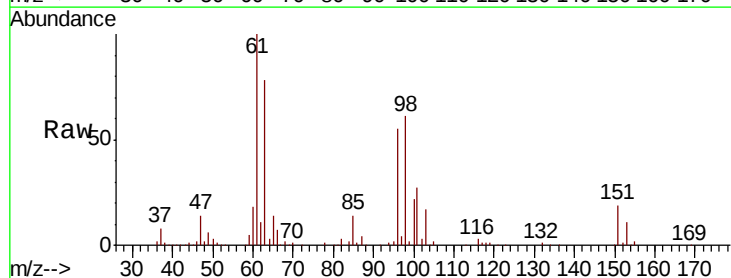
Tgt Ion: 96 Resp: 109436

Ion Ratio Lower Upper

96 100

61 182.9 123.7 229.7

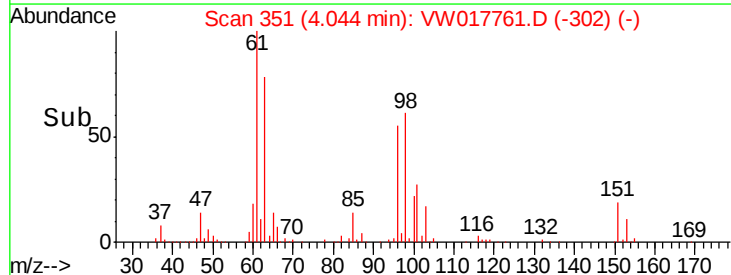
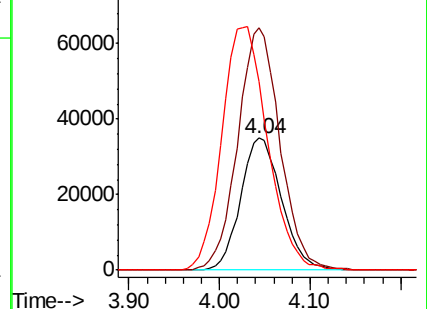
63 142.7 96.6 179.4

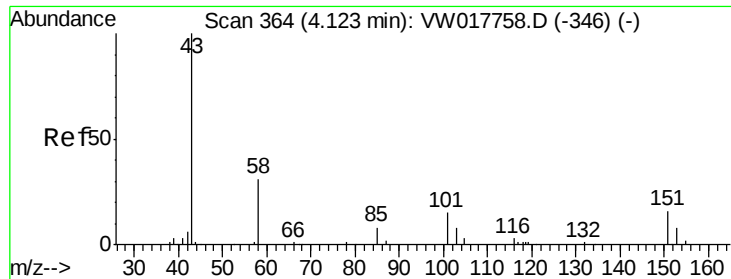


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

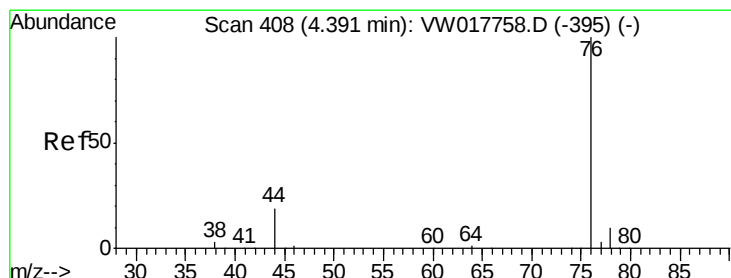
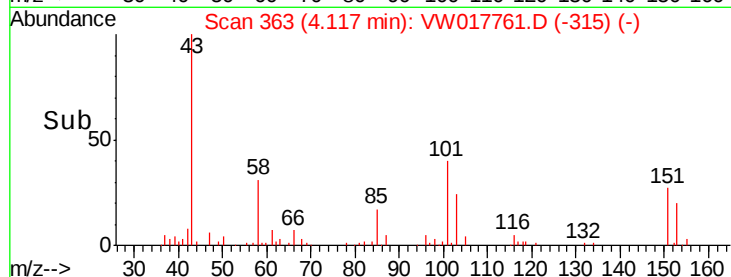
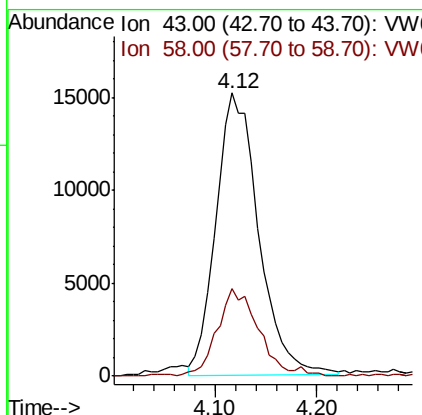
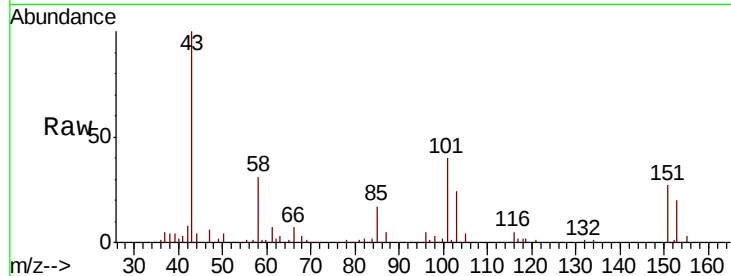




#13
Acetone
Concen: 48.586 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
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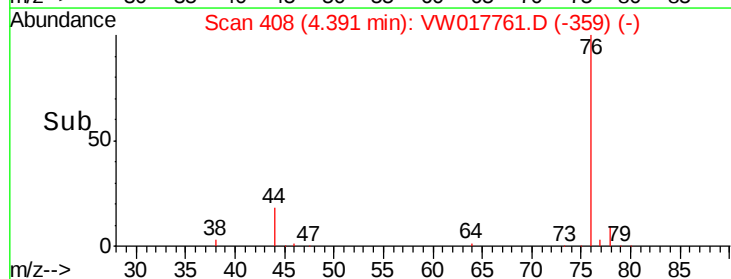
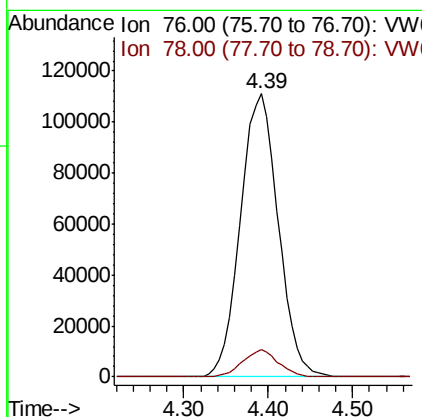
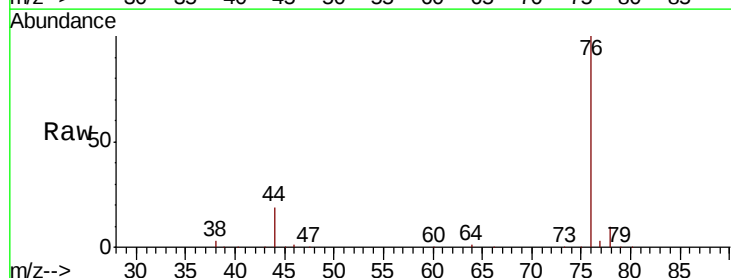
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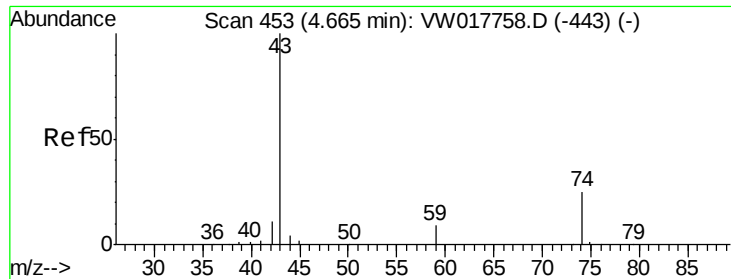
Tot Ion: 43 Resp: 44095
Ion Ratio Lower Upper
43 100
58 29.2 0.0 57.8



#14
Carbon disulfide
Concen: 25.107 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 76 Resp: 338336
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5

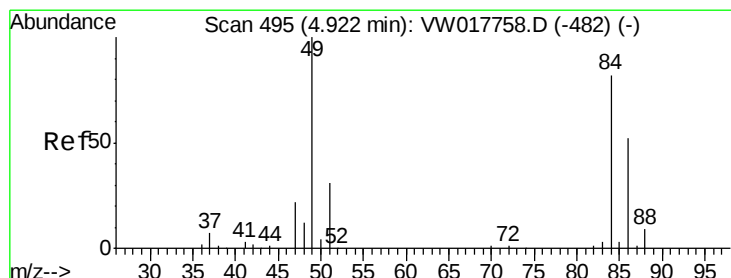
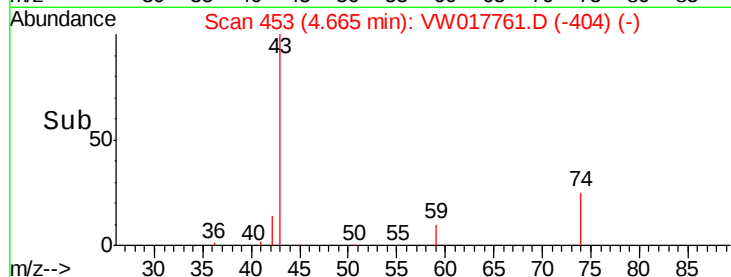
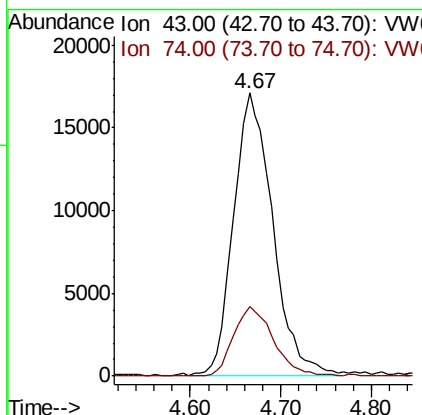
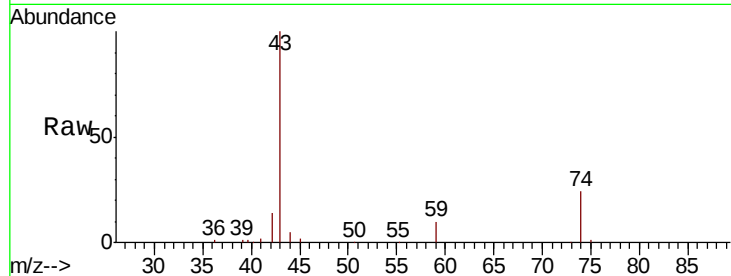




#15
Methyl Acetate
Concen: 24.999 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

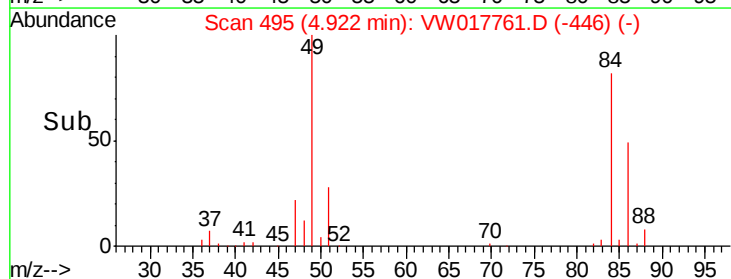
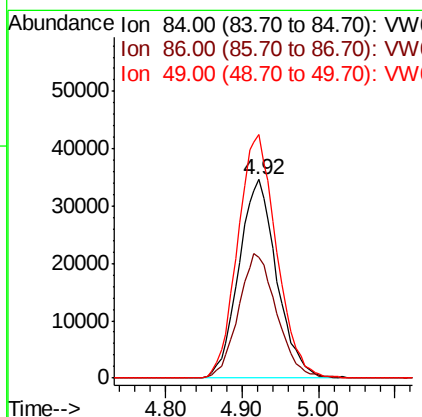
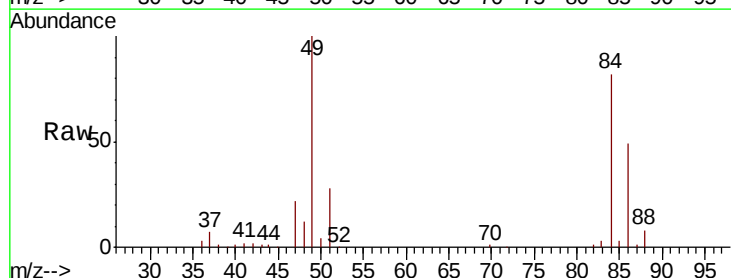
Instrument :
MSVOA_W
ClientSampleId :
BFB20

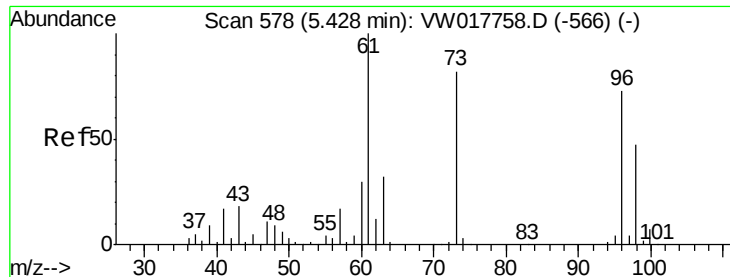
Tot Ion: 43 Resp: 50858
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9



#16
Methylene chloride
Concen: 21.738 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 84 Resp: 119324
Ion Ratio Lower Upper
84 100
86 60.6 44.0 81.8
49 122.6 85.4 158.6

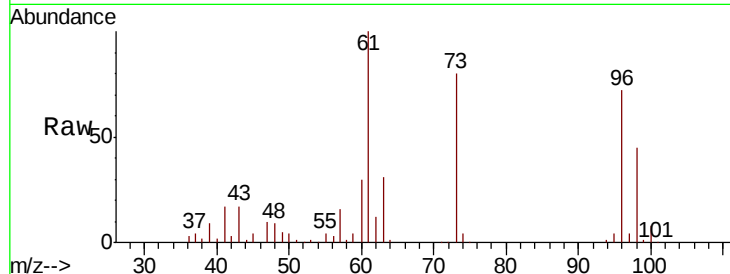




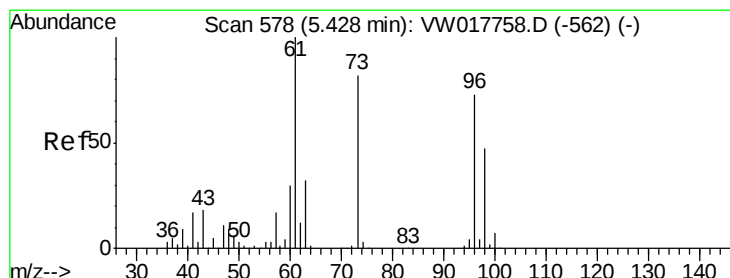
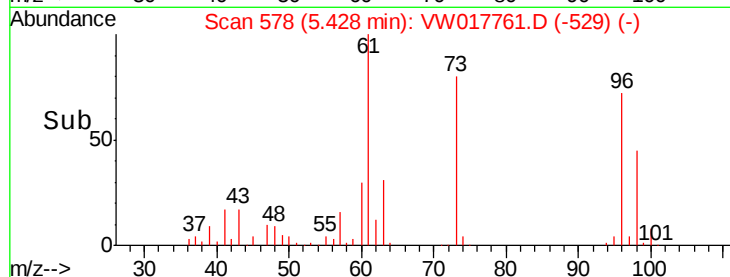
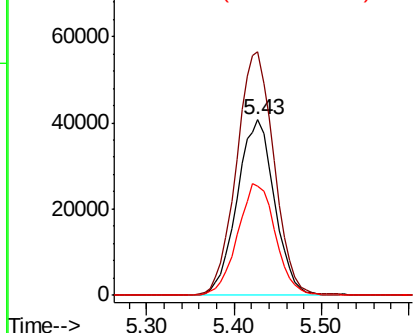
#17
trans-1,2-Dichloroethene
Concen: 24.792 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Instrument :
MSVOA_W
ClientSampleId :
BFB20

Tot Ion: 96 Resp: 121113
Ion Ratio Lower Upper
96 100
61 138.6 96.0 178.4
98 62.3 44.9 83.3

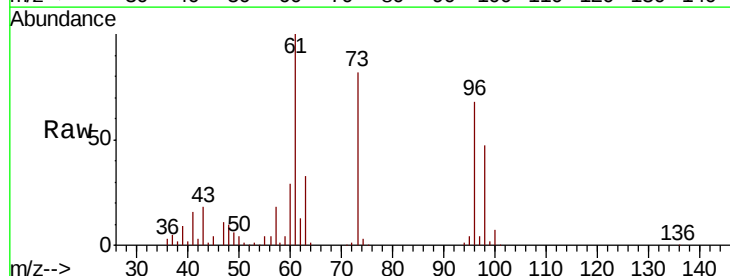


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

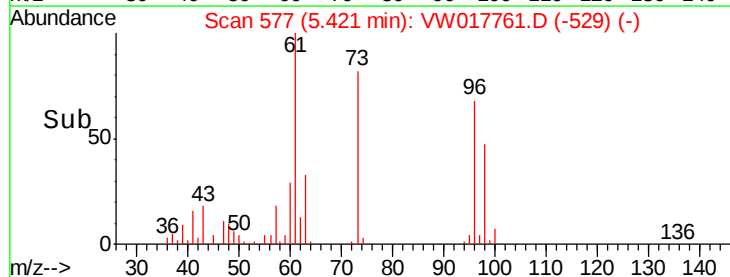
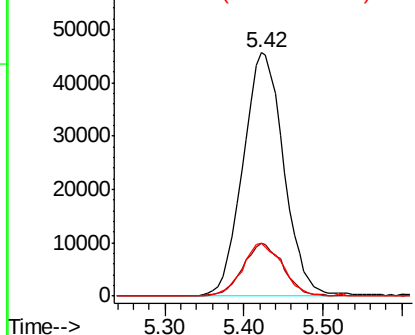


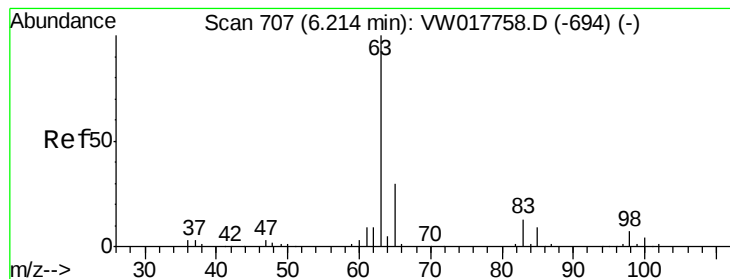
#18
Methyl tert-butyl Ether
Concen: 25.765 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 73 Resp: 163925
Ion Ratio Lower Upper
73 100
43 21.5 17.4 26.0
57 21.3 16.9 25.3



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





#19

1,1-Dichloroethane

Concen: 25.042 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampleId :

BFB20

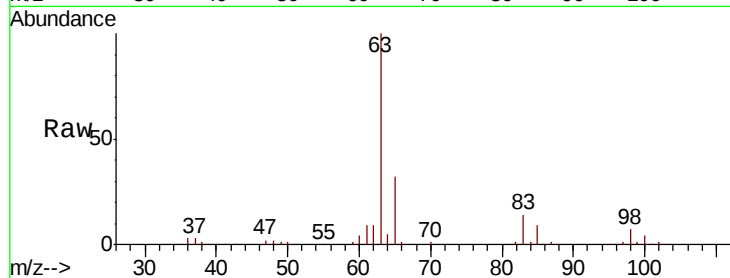
Tot Ion: 63 Resp: 213870

Ion Ratio Lower Upper

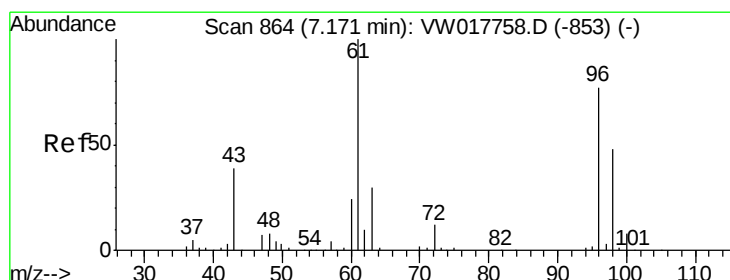
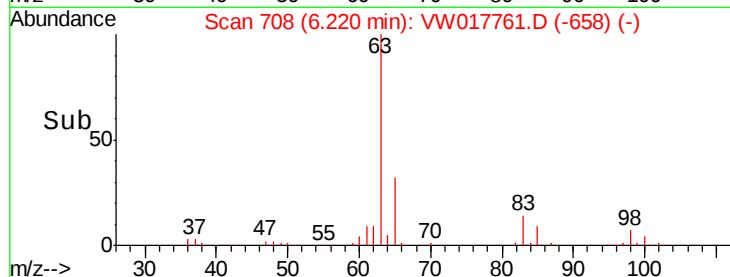
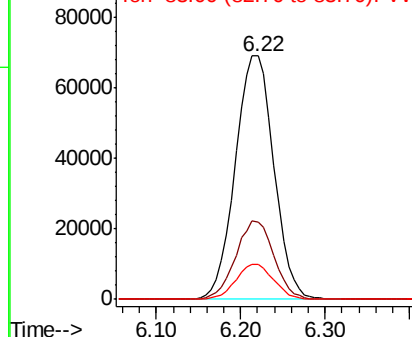
63 100

65 31.9 21.3 39.5

83 14.4 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 25.223 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

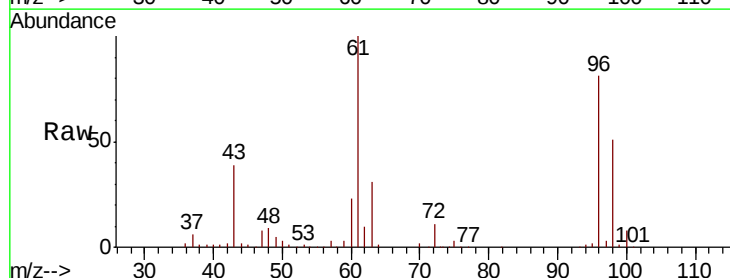
Tgt Ion: 96 Resp: 131976

Ion Ratio Lower Upper

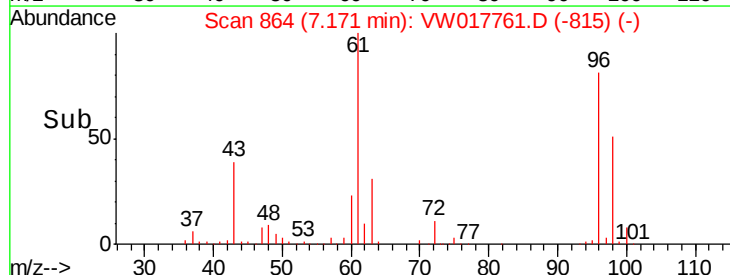
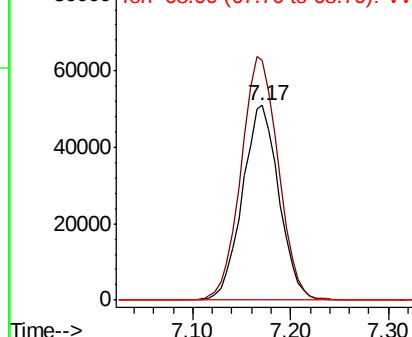
96 100

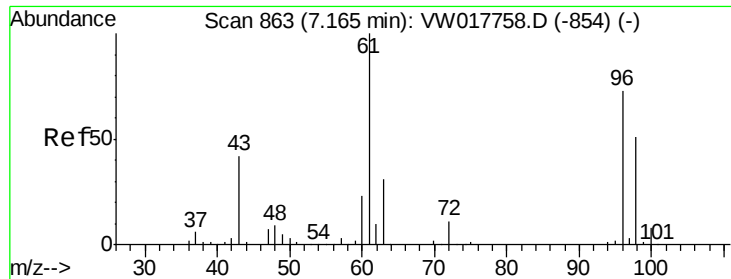
61 123.1 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 52.187 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampled :

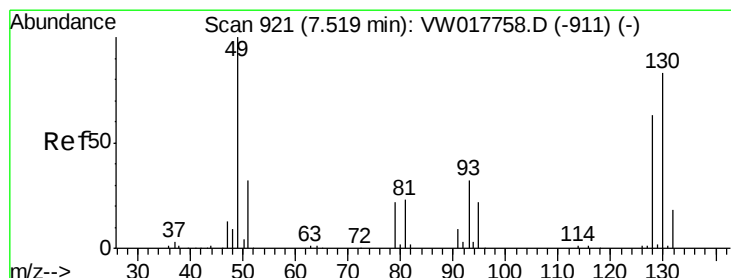
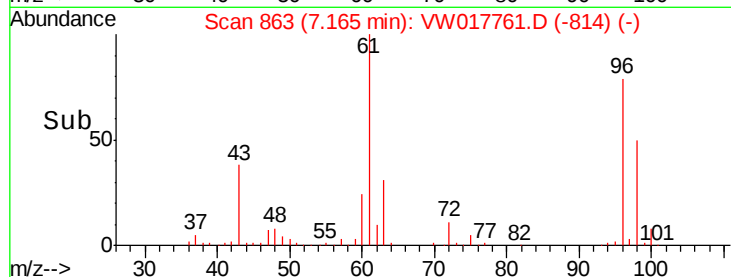
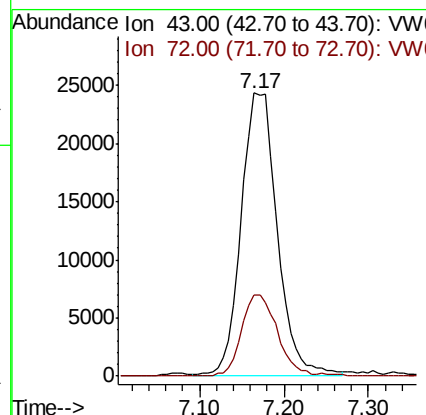
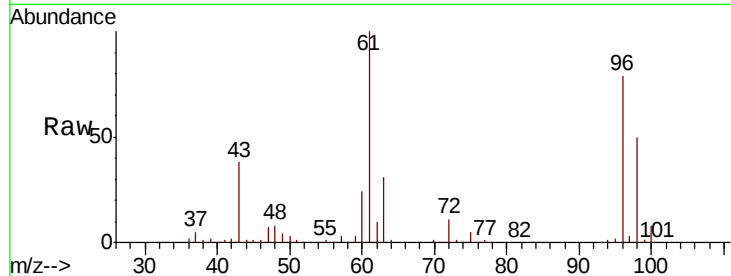
BFB20

Tot Ion: 43 Resp: 70810

Ion Ratio Lower Upper

43 100

72 28.2 14.6 44.0



#23

Bromochloromethane

Concen: 25.100 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Tgt Ion: 128 Resp: 59278

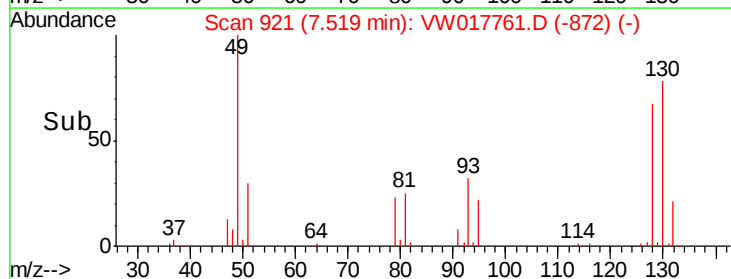
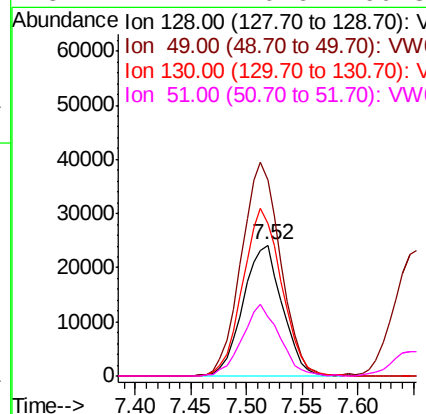
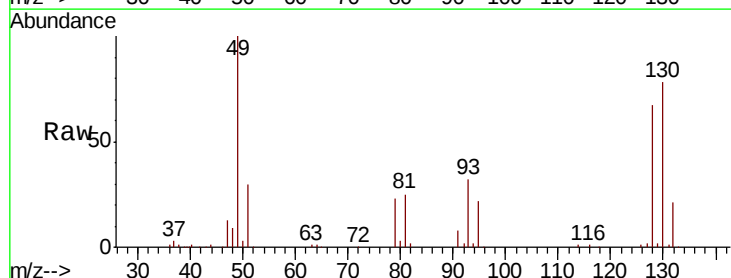
Ion Ratio Lower Upper

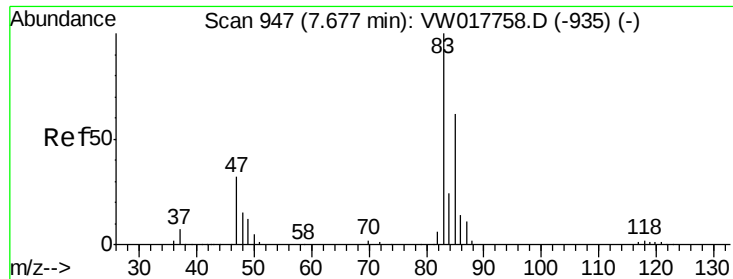
128 100

49 149.6 111.2 206.6

130 116.2 91.9 170.7

51 44.7 40.6 60.8

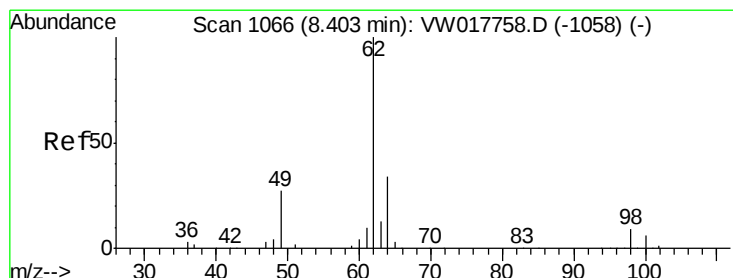
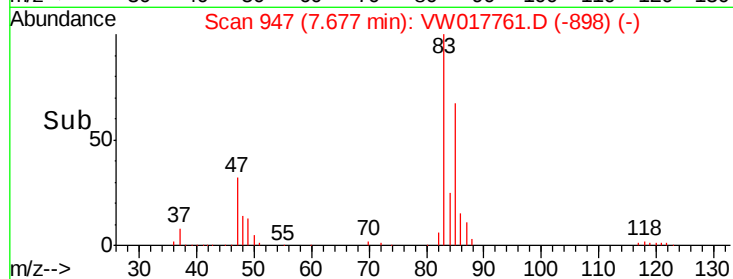
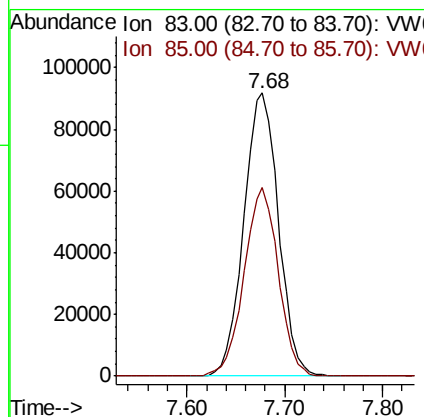
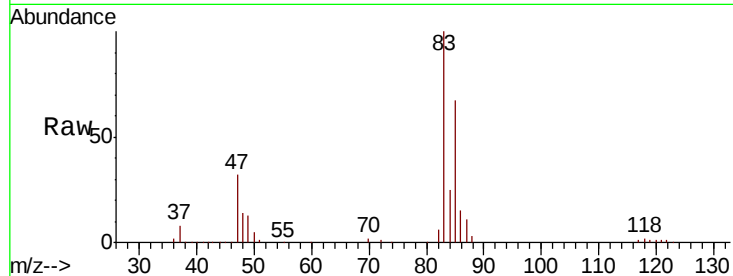




#25
Chloroform
Concen: 25.051 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

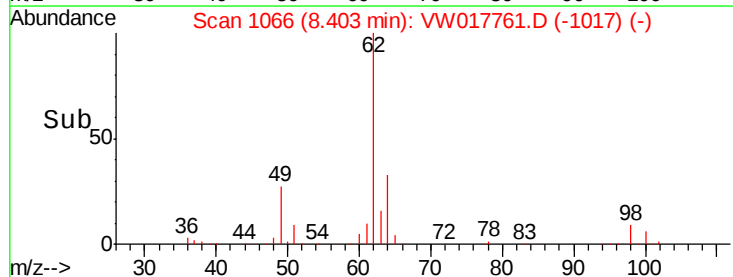
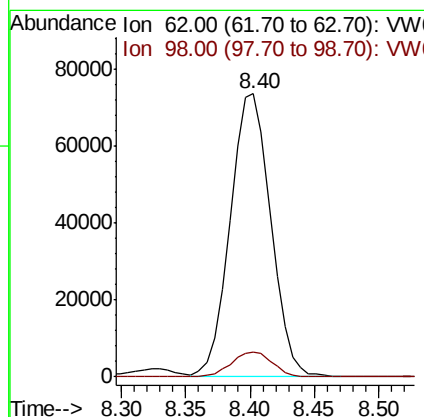
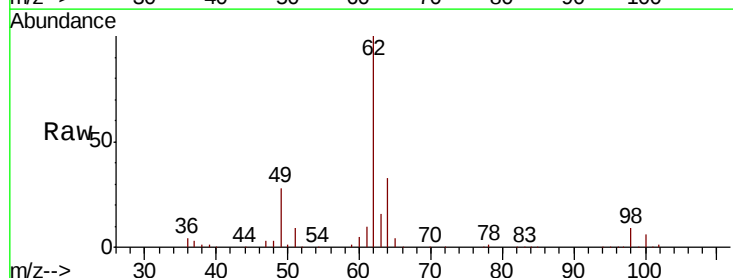
Instrument :
MSVOA_W
ClientSampleId :
BFB20

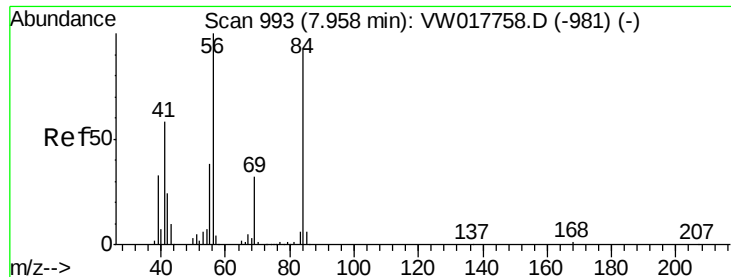
Tot Ion: 83 Resp: 226278
Ion Ratio Lower Upper
83 100
85 66.6 43.6 81.0



#27
1,2-Dichloroethane
Concen: 25.615 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 62 Resp: 161120
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2

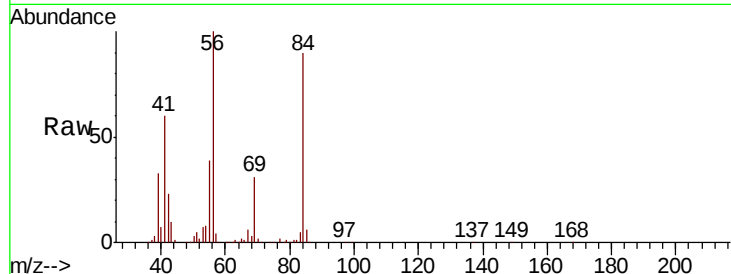




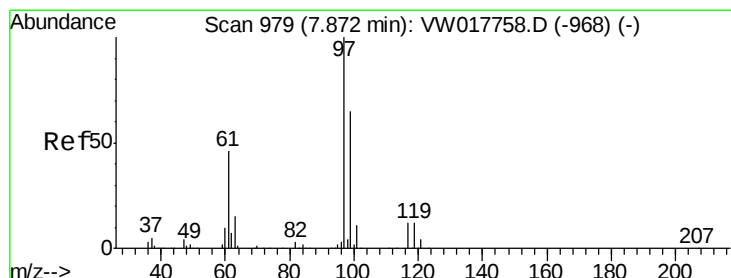
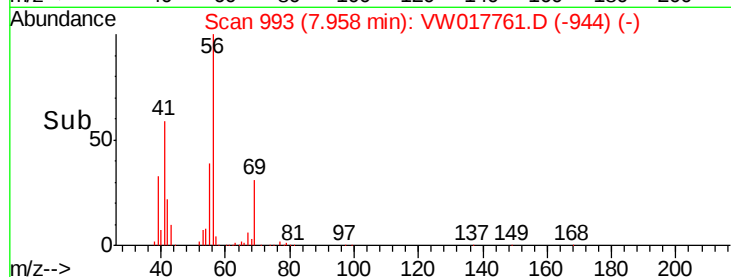
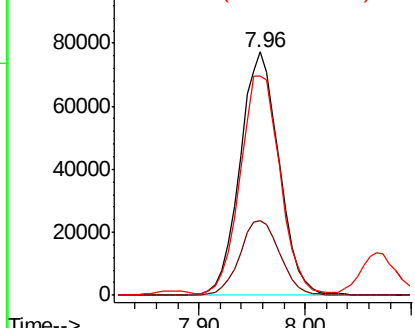
#29
Cvclohexane
Concen: 25.273 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Instrument :
MSVOA_W
ClientSampled :
BFB20

Tot Ion: 56 Resp: 198471
Ion Ratio Lower Upper
56 100
69 31.7 25.4 38.2
84 92.8 74.3 111.5

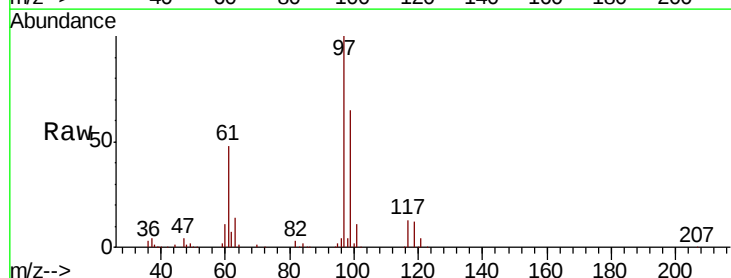


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

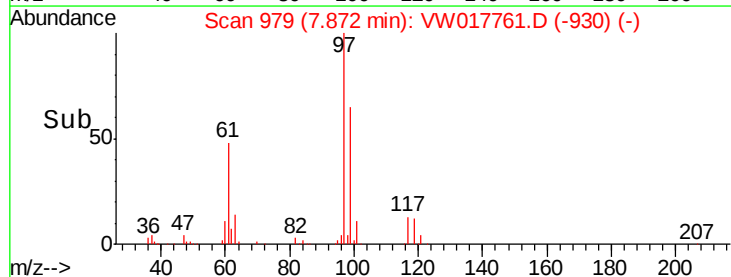
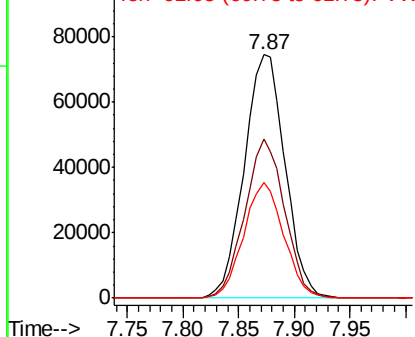


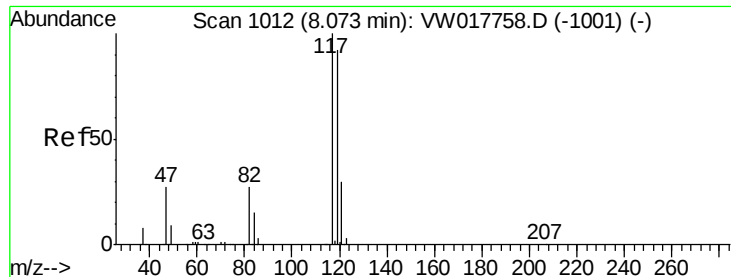
#30
1,1,1-Trichloroethane
Concen: 25.038 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 97 Resp: 190233
Ion Ratio Lower Upper
97 100
99 63.8 50.6 75.8
61 46.6 36.6 54.8



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

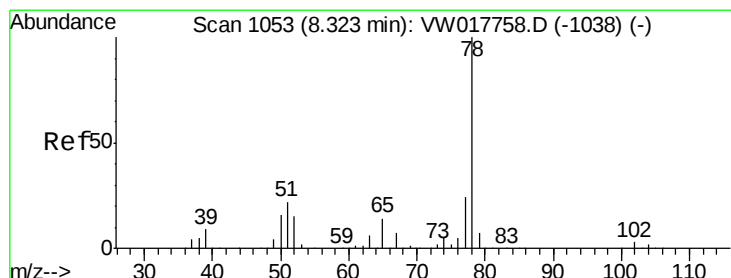
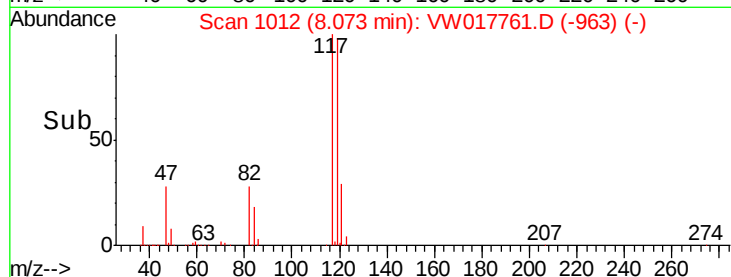
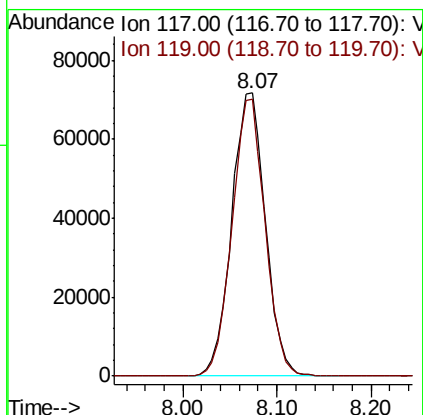
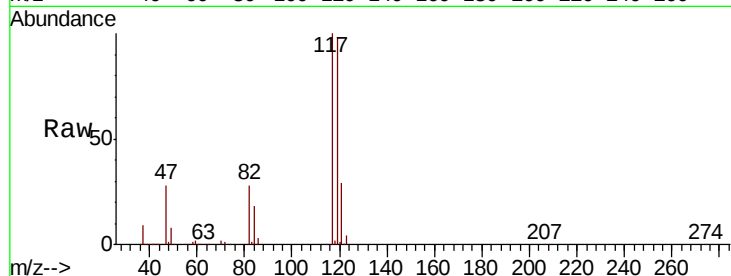




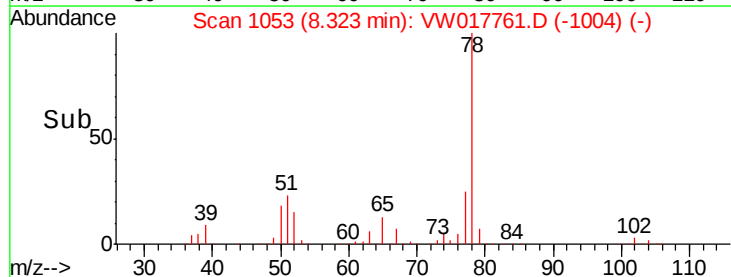
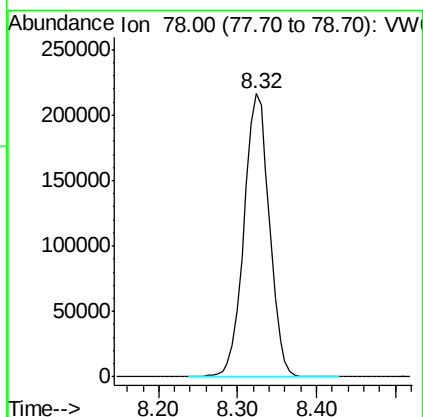
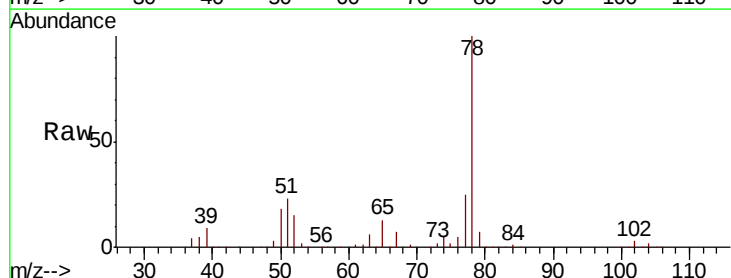
#31
Carbon tetrachloride
Concen: 24.708 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

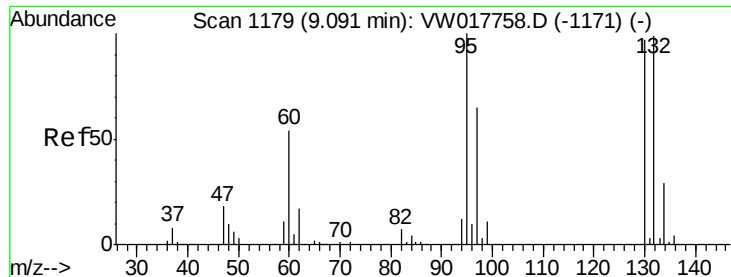
Instrument :
MSVOA_W
ClientSampleId :
BFB20

Tot Ion:117 Resp: 178904
Ion Ratio Lower Upper
117 100
119 95.9 75.6 113.4



#33
Benzene
Concen: 25.141 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46
Tgt Ion: 78 Resp: 486492

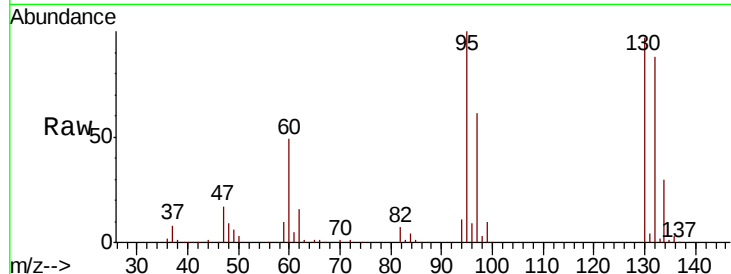




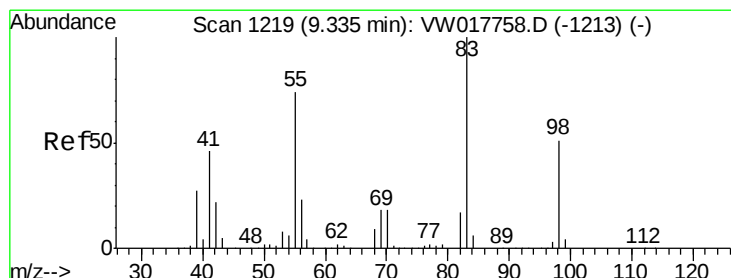
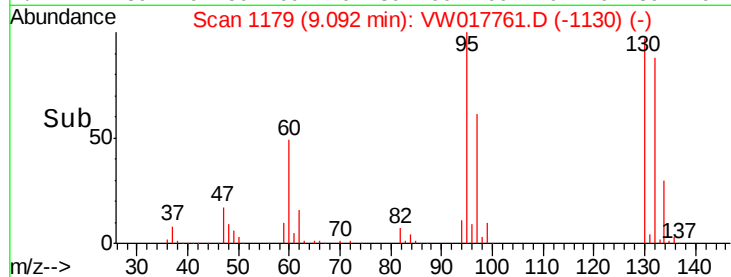
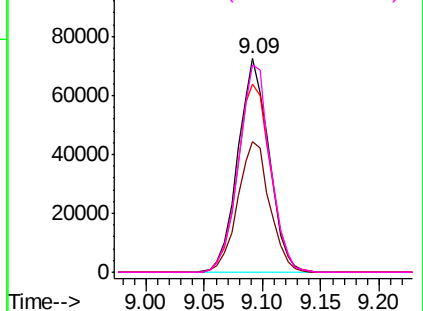
#34
 Trichloroethene
 Concen: 25.784 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Tot Ion: 95 Resp: 135170
 Ion Ratio Lower Upper
 95 100
 97 61.0 45.6 84.6
 132 88.3 69.4 128.8
 130 97.0 68.2 126.6

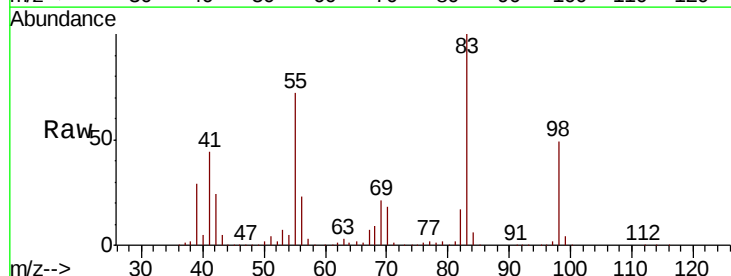


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

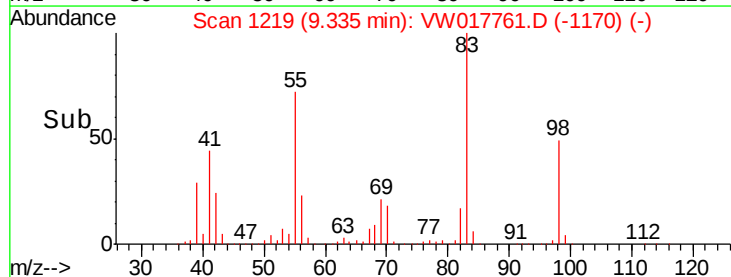
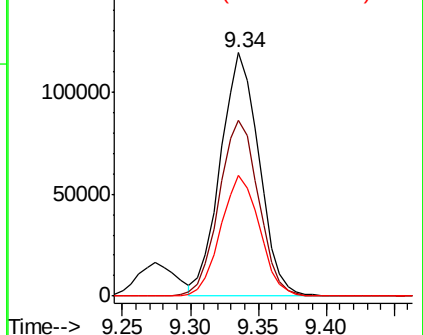


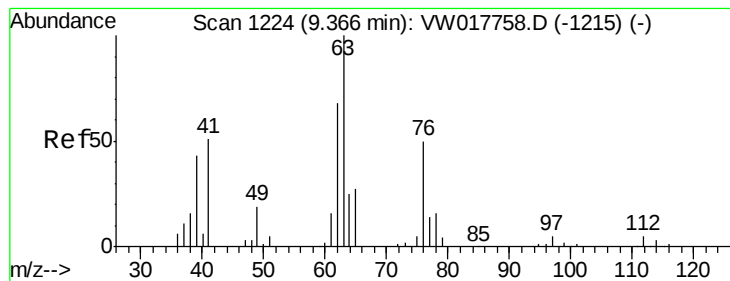
#35
 Methylcyclohexane
 Concen: 26.296 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Tgt Ion: 83 Resp: 236058
 Ion Ratio Lower Upper
 83 100
 55 74.0 58.6 88.0
 98 49.9 40.5 60.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 25.370 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampleId :

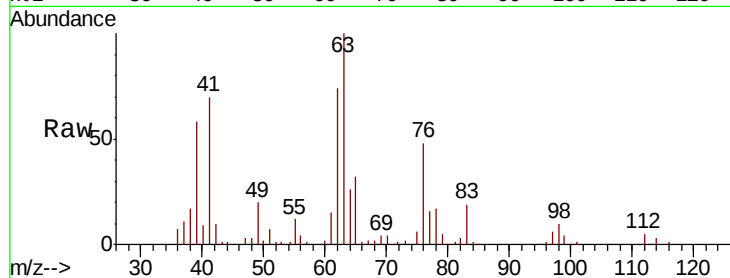
BFB20

Tot Ion: 63 Resp: 118991

Ion Ratio Lower Upper

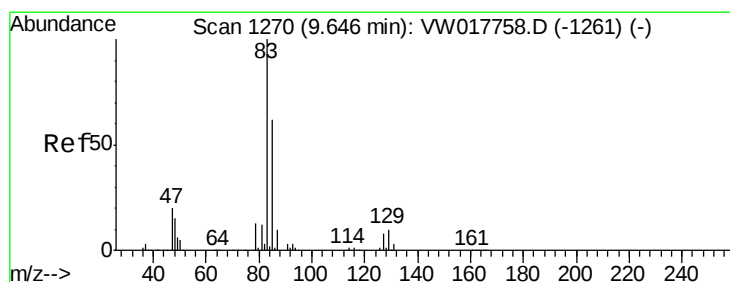
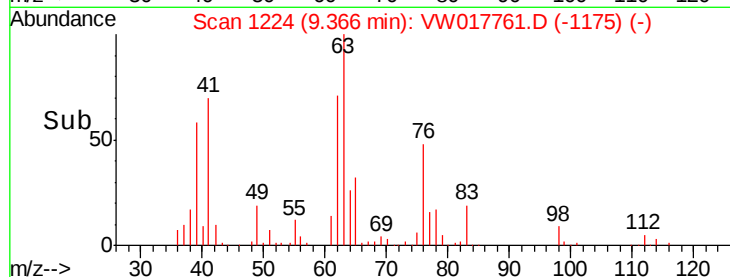
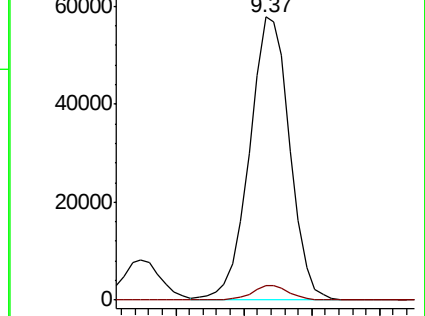
63 100

112 4.8 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 25.538 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

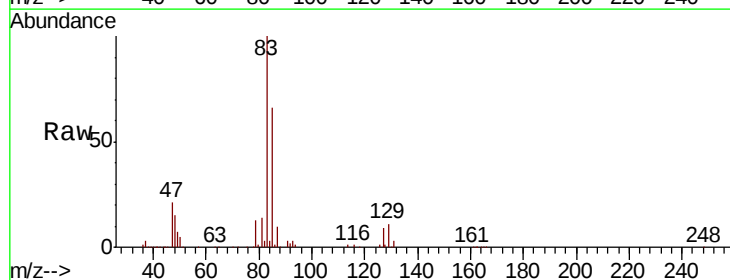
Tgt Ion: 83 Resp: 169043

Ion Ratio Lower Upper

83 100

85 66.4 43.0 80.0

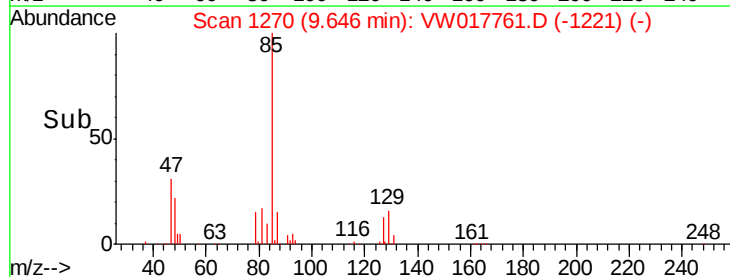
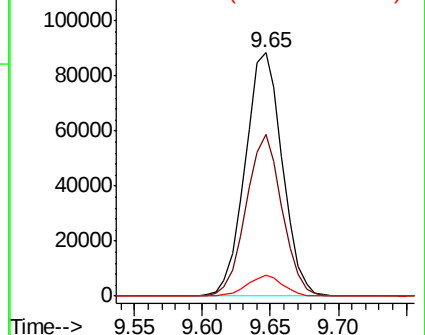
127 8.7 6.1 9.1

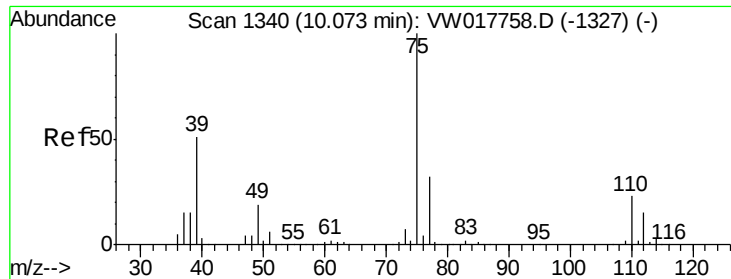


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

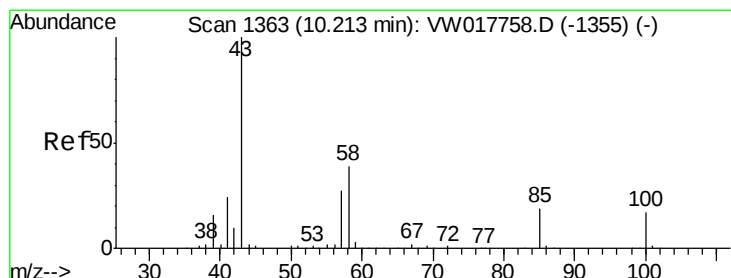
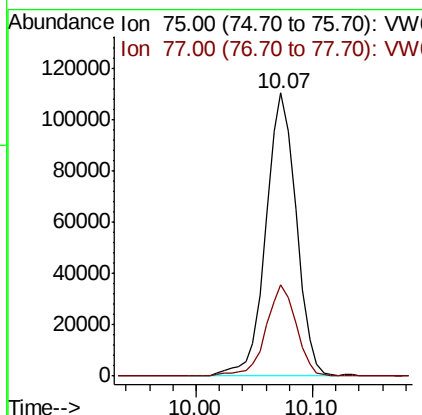
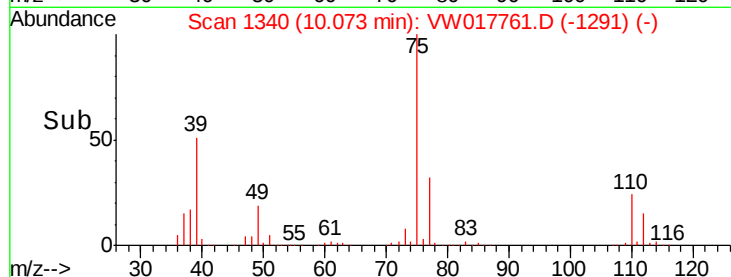
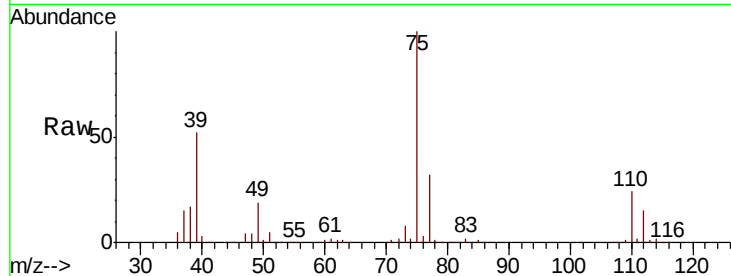




#39
 cis-1,3-Dichloropropene
 Concen: 25.739 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

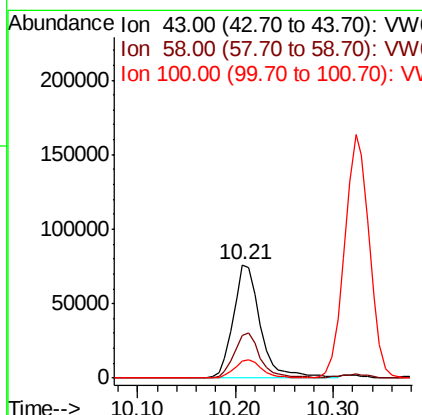
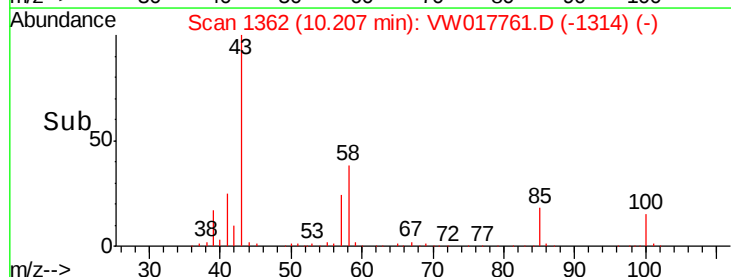
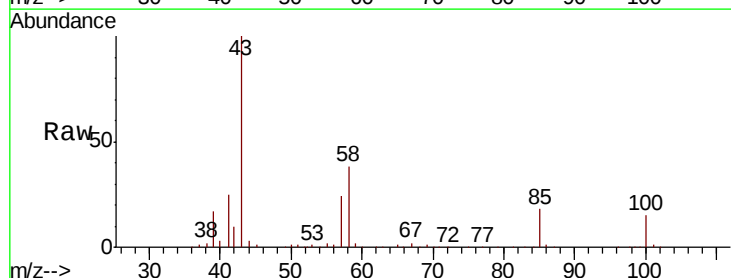
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

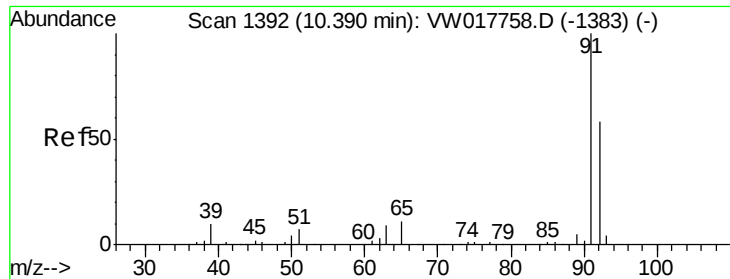
Tot Ion: 75 Resp: 198396
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 51.959 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Tgt Ion: 43 Resp: 147574
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.3 45.5
 100 16.2 12.8 19.2





#42

Toluene

Concen: 25.591 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampleId :

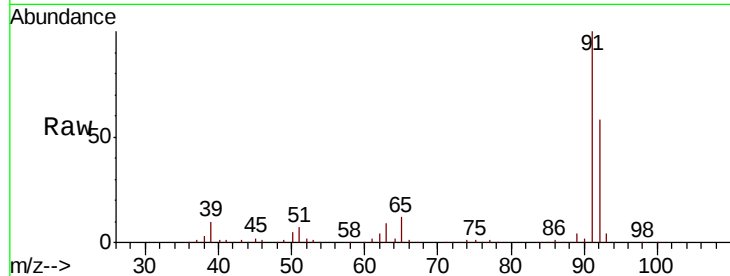
BFB20

Tot Ion: 91 Resp: 557904

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

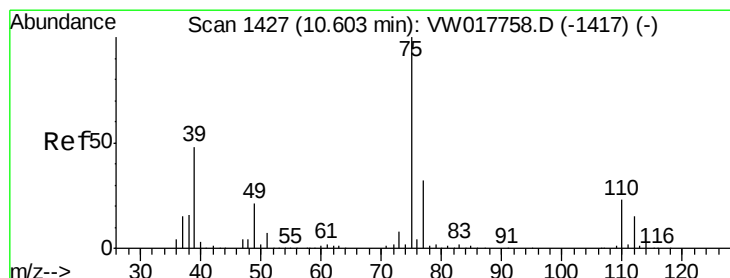
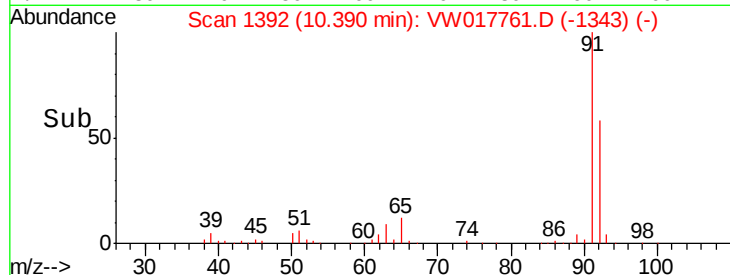
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 25.686 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017761.D

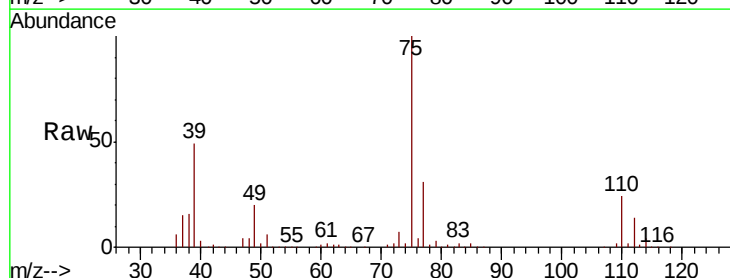
Acq: 28 Dec 2020 13:46

Tgt Ion: 75 Resp: 177863

Ion Ratio Lower Upper

75 100

77 30.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

120000

100000

80000

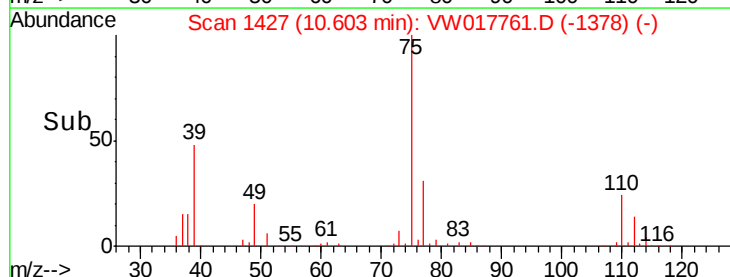
60000

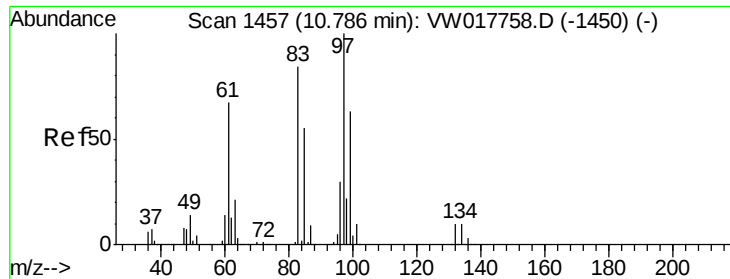
40000

20000

0

Time-->

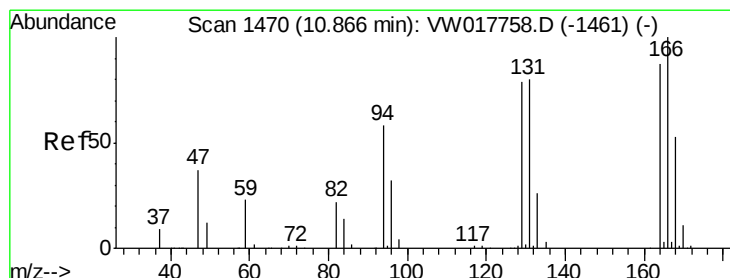
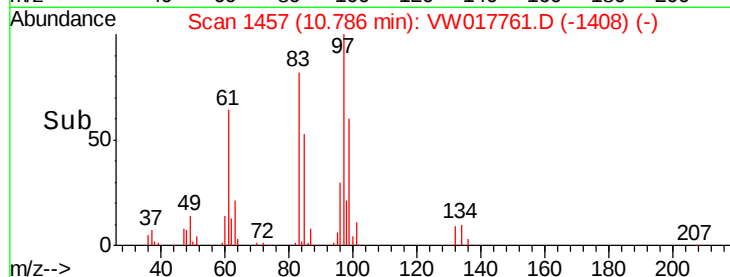
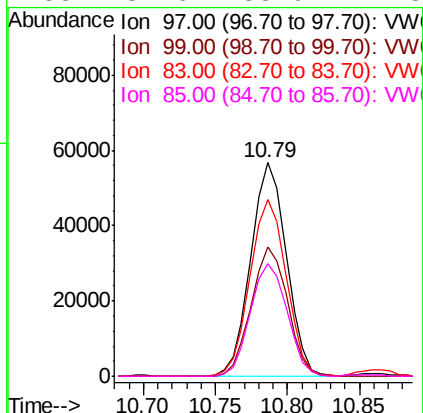
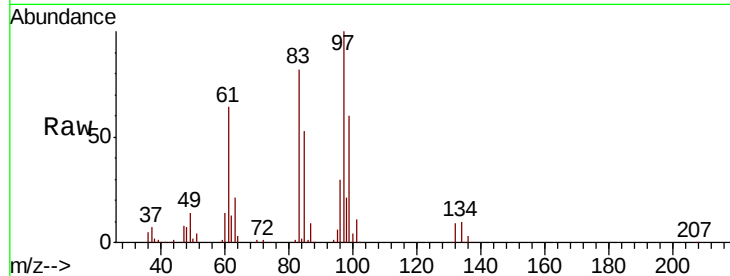




#45
1,1,2-Trichloroethane
Concen: 25.912 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

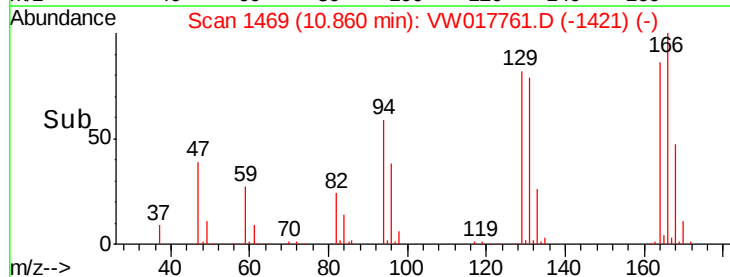
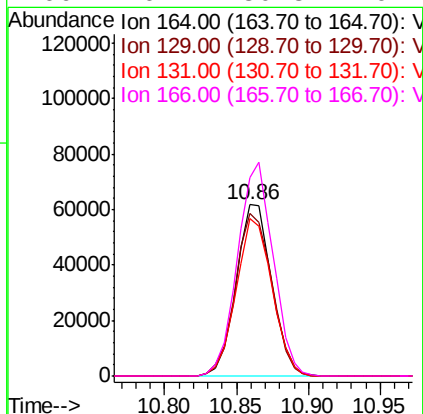
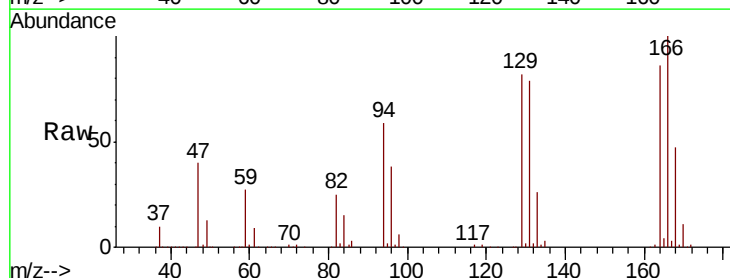
Instrument :
MSVOA_W
ClientSampleId :
BFB20

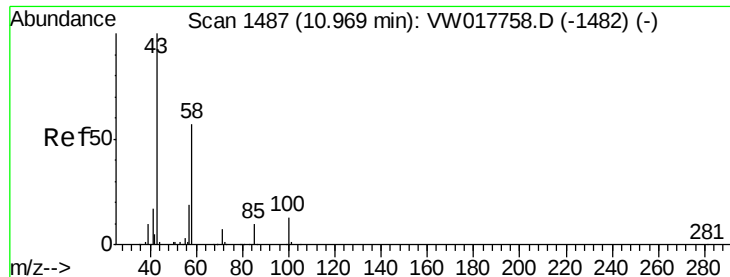
Tot Ion:	97	Resp:	97444
Ion	Ratio	Lower	Upper
97	100		
99	60.3	44.0	81.8
83	82.5	59.1	109.9
85	52.6	38.9	72.3



#46
Tetrachloroethene
Concen: 26.108 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion:	164	Resp:	105788
Ion	Ratio	Lower	Upper
164	100		
129	95.3	63.3	117.7
131	91.9	63.8	118.6
166	116.1	80.3	149.1

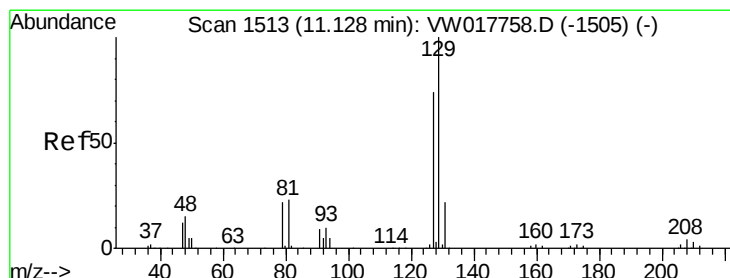
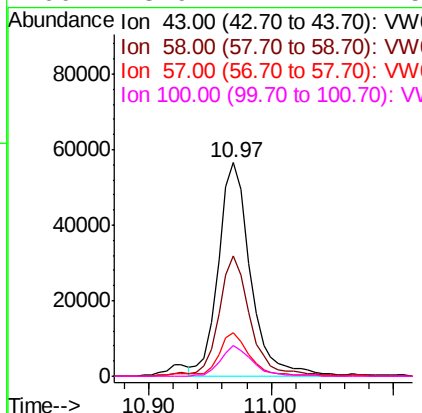
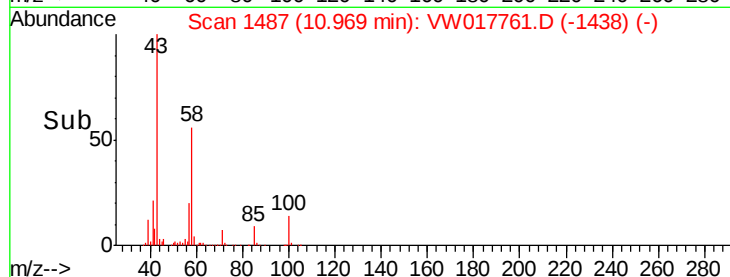
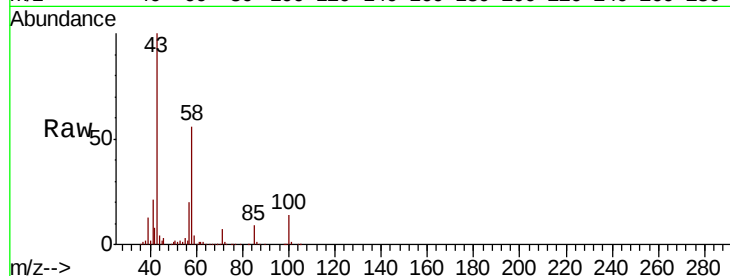




#48
2-Hexanone
Concen: 52.974 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

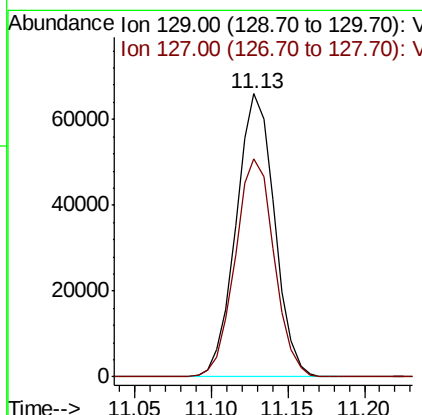
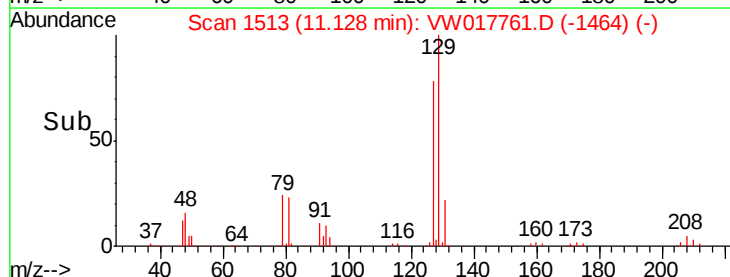
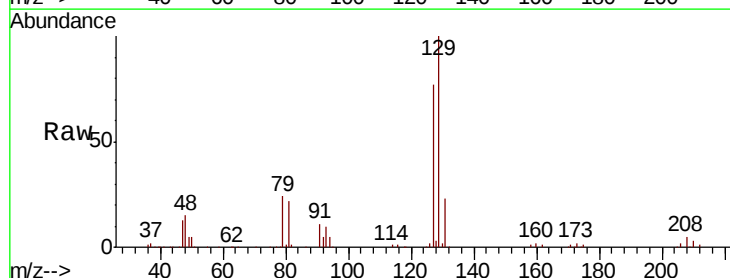
Instrument :
MSVOA_W
ClientSampled :
BFB20

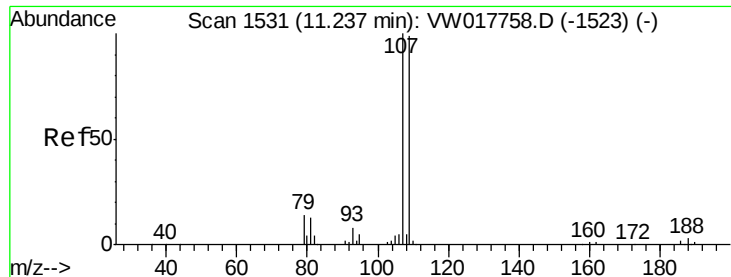
Tot Ion: 43 Resp: 102960
Ion Ratio Lower Upper
43 100
58 55.0 46.8 70.2
57 17.0 14.6 22.0
100 13.9 11.7 17.5



#49
Dibromochloromethane
Concen: 25.603 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 129 Resp: 114781
Ion Ratio Lower Upper
129 100
127 76.9 51.6 95.8

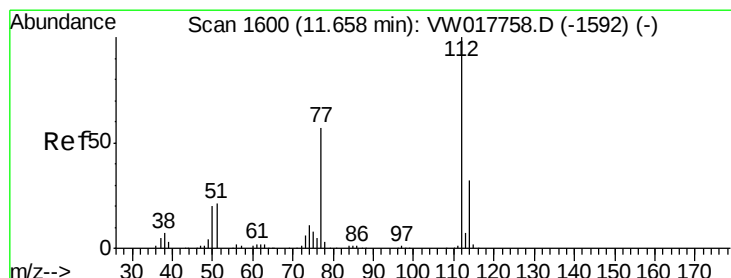
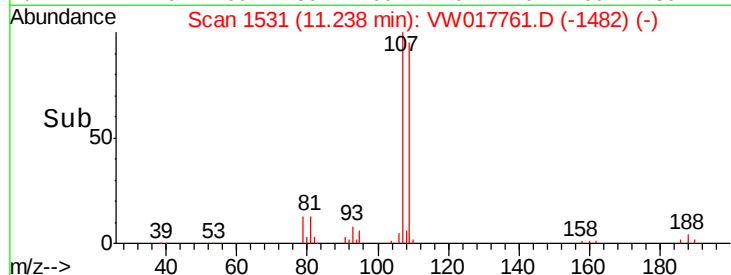
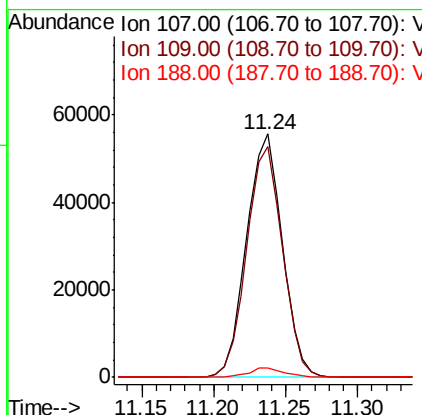
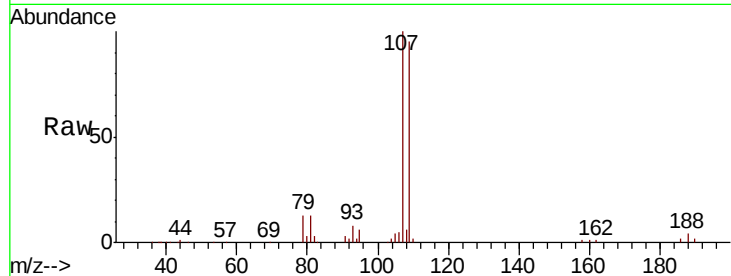




#50
1,2-Dibromoethane
Concen: 26.105 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

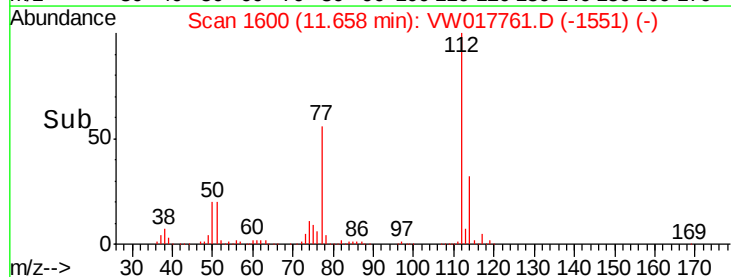
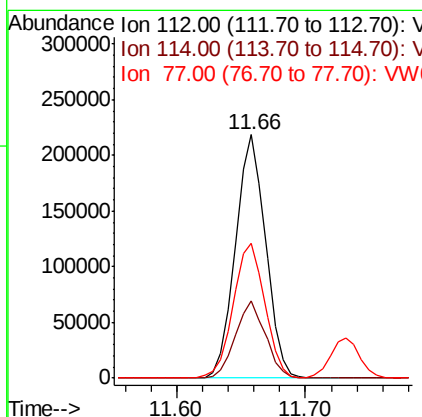
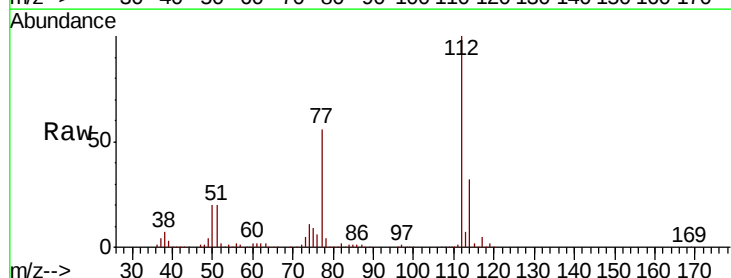
Instrument :
MSVOA_W
ClientSampleId :
BFB20

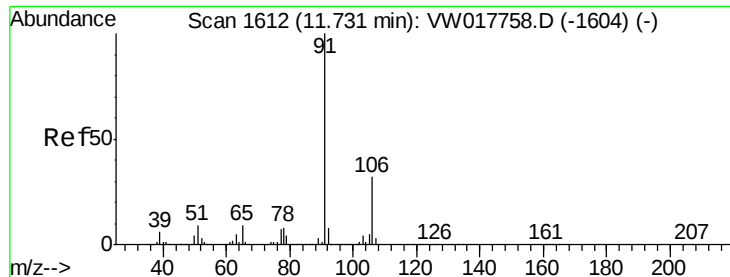
Tot Ion:107 Resp: 95518
Ion Ratio Lower Upper
107 100
109 94.6 69.3 128.7
188 3.7 2.7 4.1



#51
Chlorobenzene
Concen: 25.766 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion:112 Resp: 355416
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 55.5 45.8 68.6

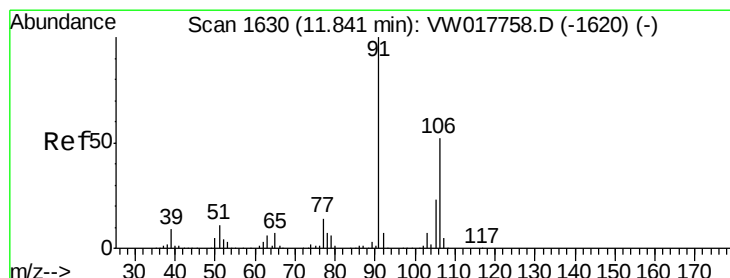
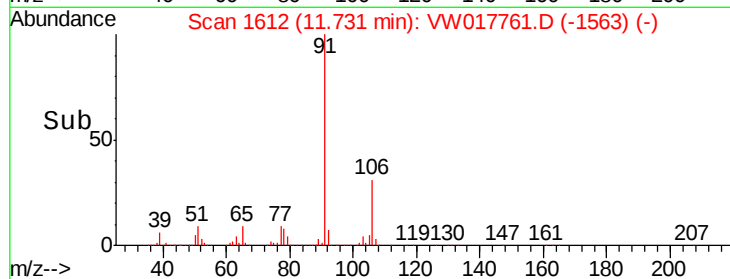
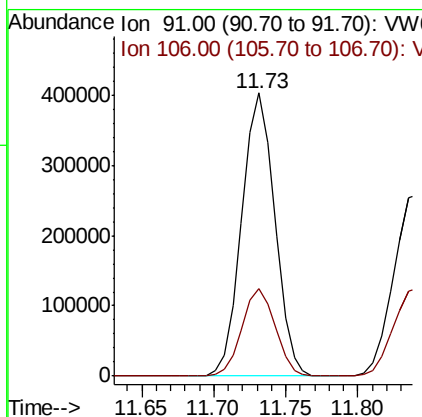
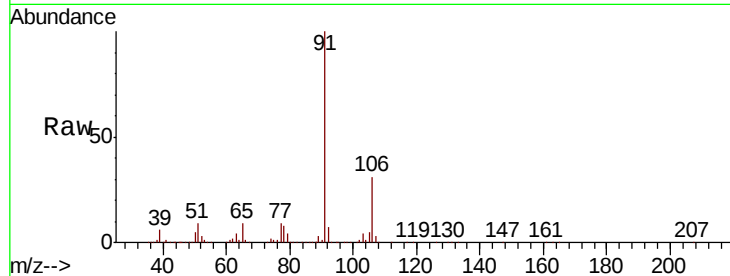




#52
Ethylbenzene
Concen: 26.092 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

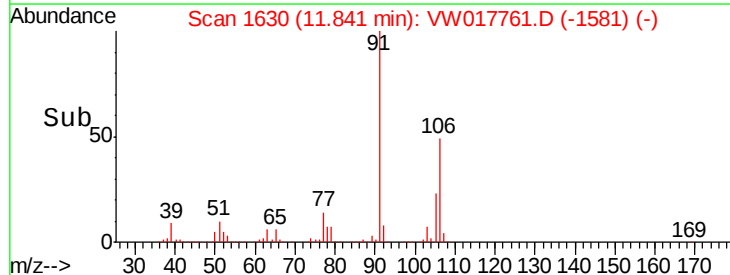
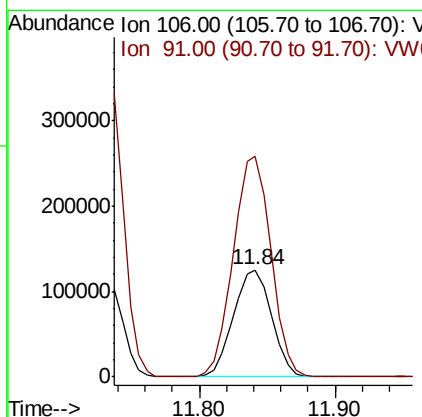
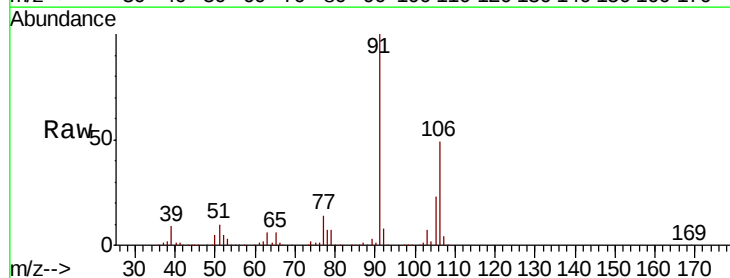
Instrument :
MSVOA_W
ClientSampled :
BFB20

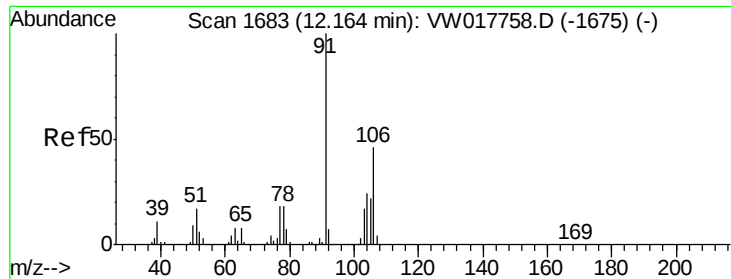
Tot Ion: 91 Resp: 642987
Ion Ratio Lower Upper
91 100
106 30.9 22.7 42.1



#53
m,p-Xylene
Concen: 25.808 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion: 106 Resp: 245559
Ion Ratio Lower Upper
106 100
91 206.0 135.6 251.8

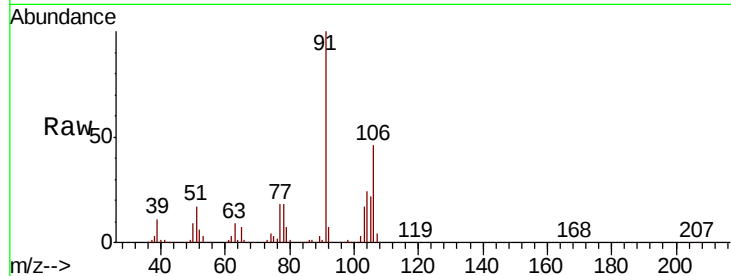




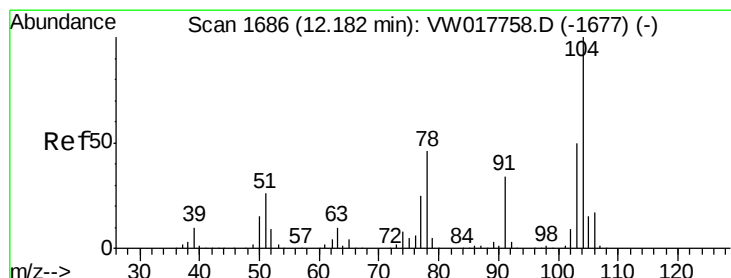
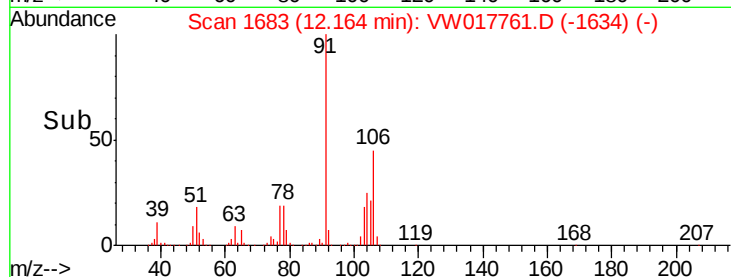
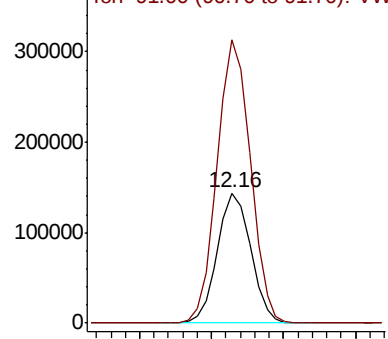
#54
o-Xylene
Concen: 25.521 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Instrument :
MSVOA_W
ClientSampleId :
BFB20

Tot Ion:106 Resp: 231633
Ion Ratio Lower Upper
106 100
91 217.7 152.2 282.6

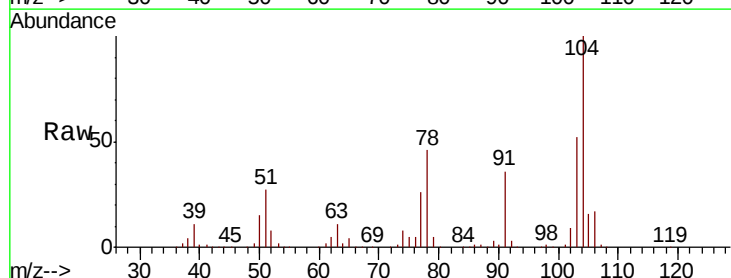


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

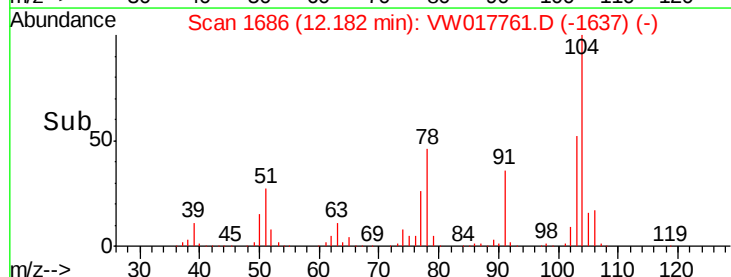
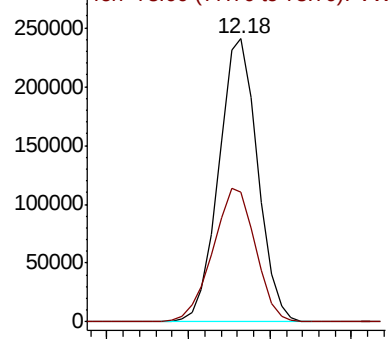


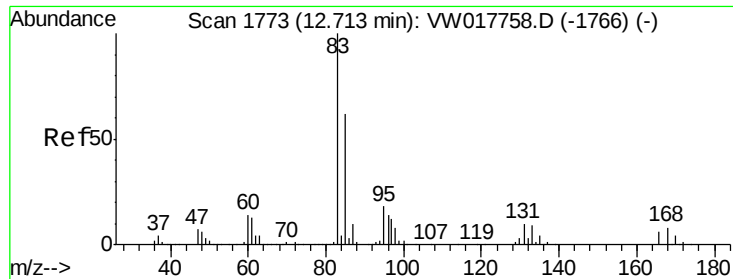
#55
Styrene
Concen: 25.628 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion:104 Resp: 398223
Ion Ratio Lower Upper
104 100
78 45.8 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW

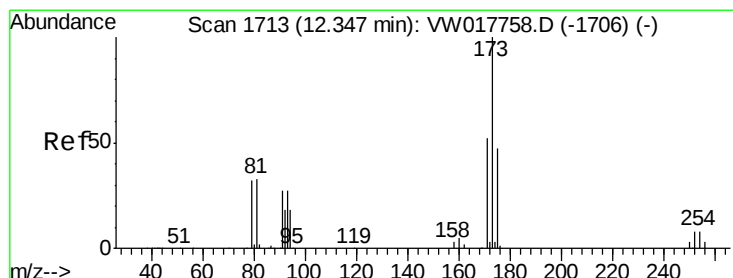
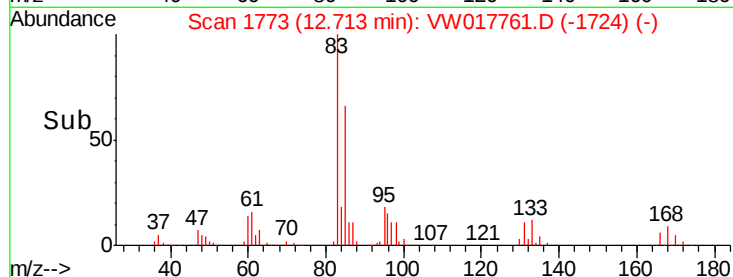
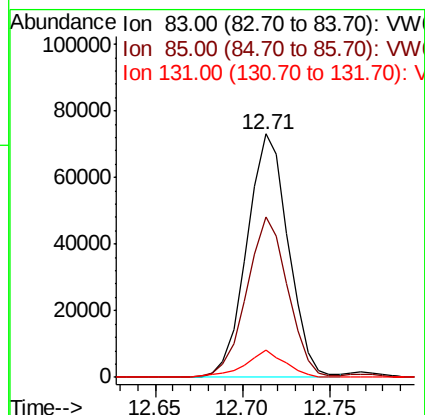
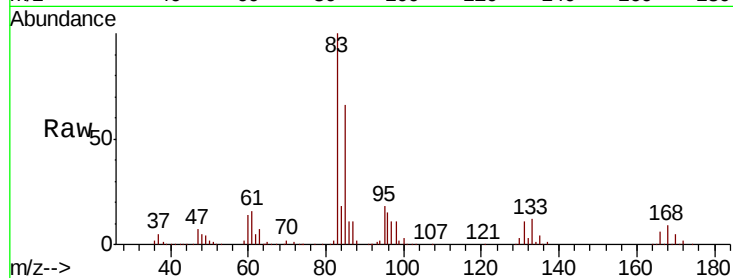




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.637 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

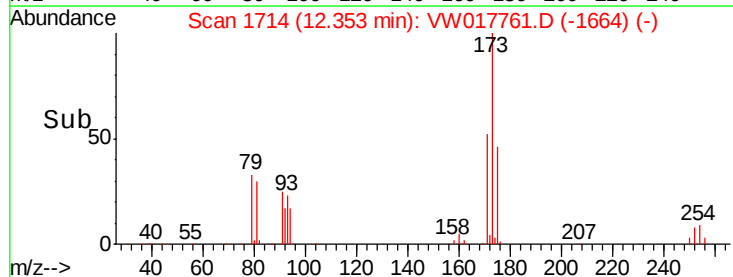
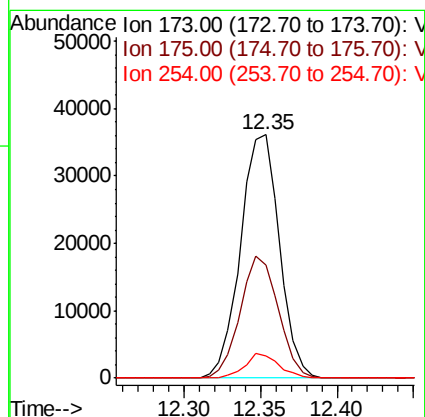
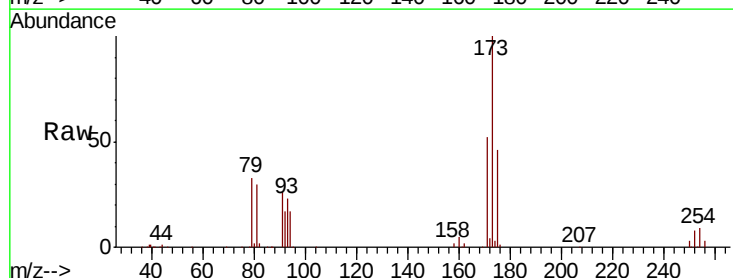
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

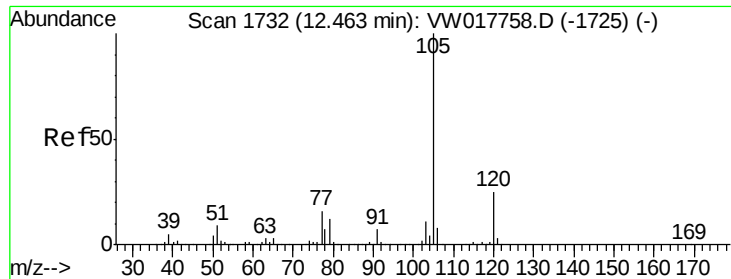
Tot Ion	83	Resp	120293
Ion Ratio	Lower	Upper	
83	100		
85	65.9	43.5	80.7
131	11.1	8.2	12.2



#59
 Bromoform
 Concen: 25.508 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Tgt Ion	173	Resp	64013
Ion Ratio	Lower	Upper	
173	100		
175	49.0	38.0	57.0
254	8.8	4.8	7.2#





#60

Isopropylbenzene

Concen: 25.970 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampled :

BFB20

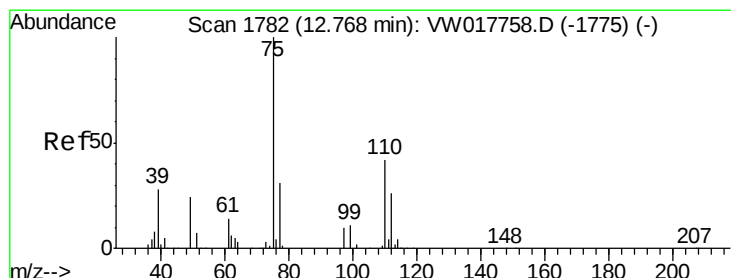
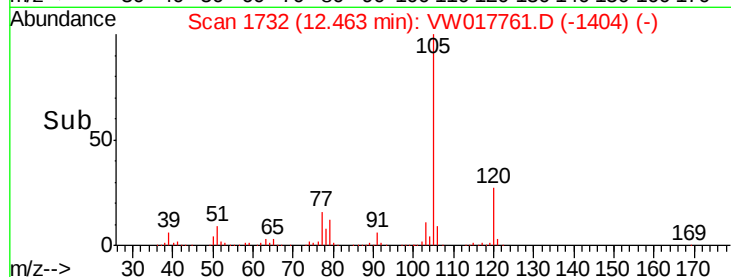
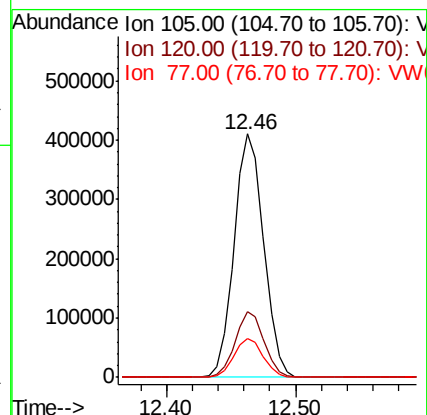
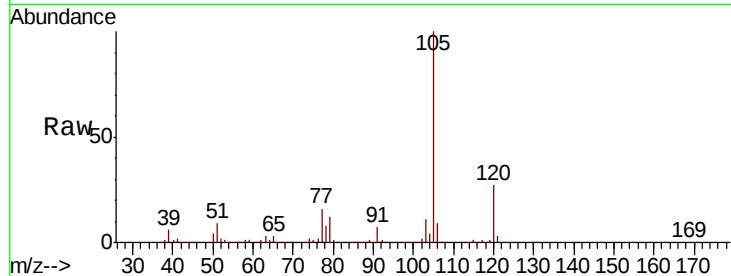
Tot Ion:105 Resp: 656238

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 16.0 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 25.297 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

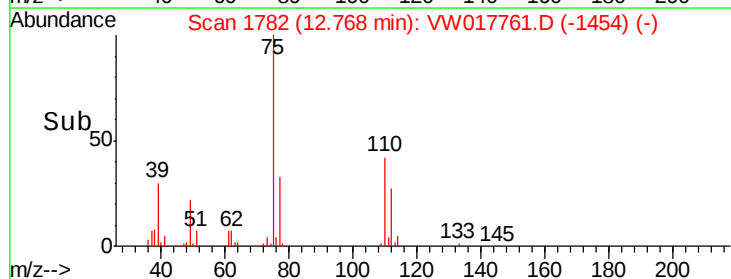
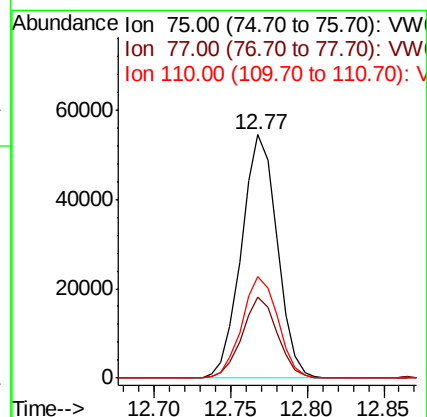
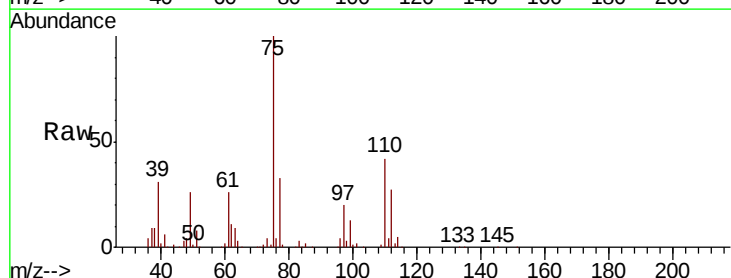
Tgt Ion: 75 Resp: 88412

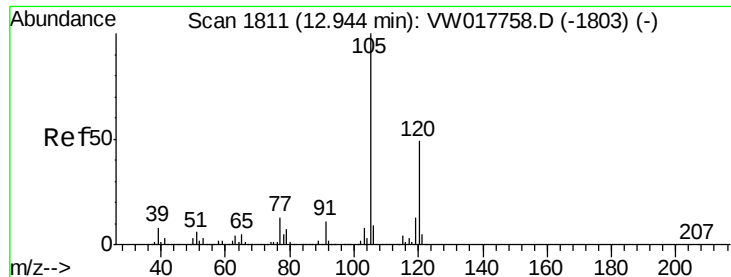
Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

110 42.0 33.0 49.6





#62

1,3,5-Trimethylbenzene

Concen: 25.732 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampleId :

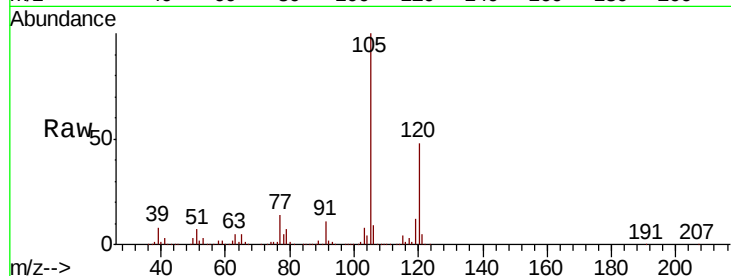
BFB20

Tot Ion:105 Resp: 532281

Ion Ratio Lower Upper

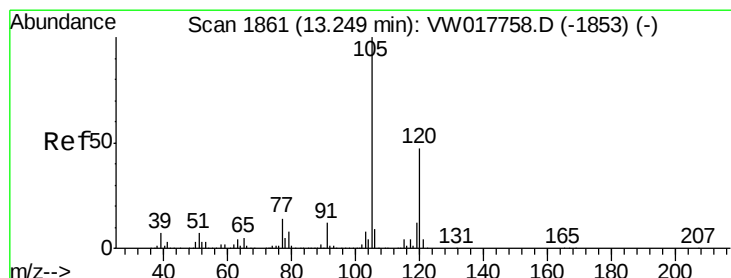
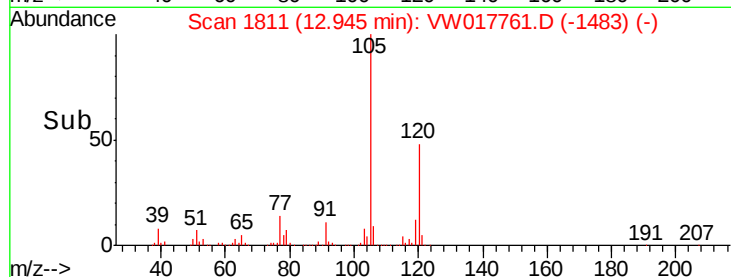
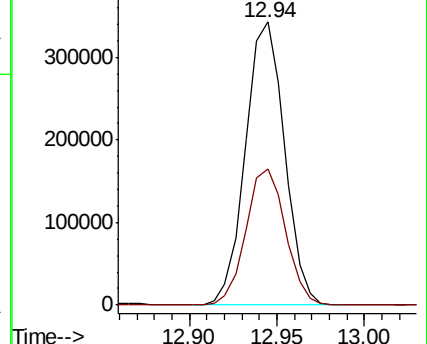
105 100

120 48.8 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 25.971 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW017761.D

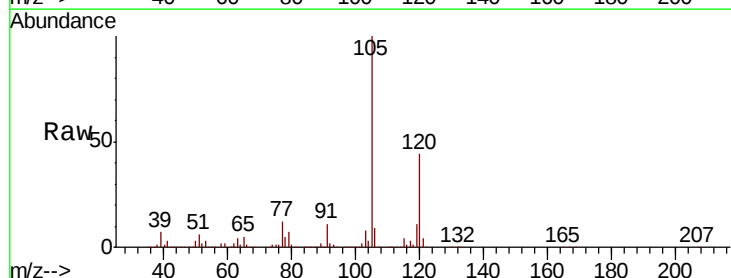
Acq: 28 Dec 2020 13:46

Tgt Ion:105 Resp: 540688

Ion Ratio Lower Upper

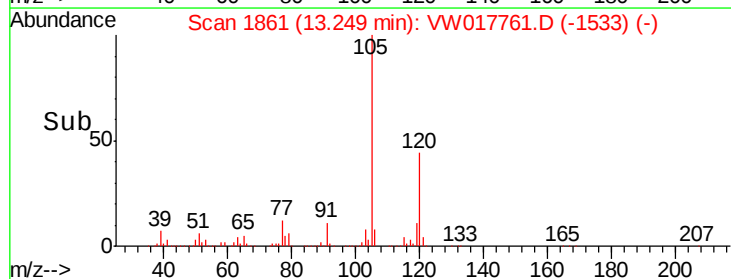
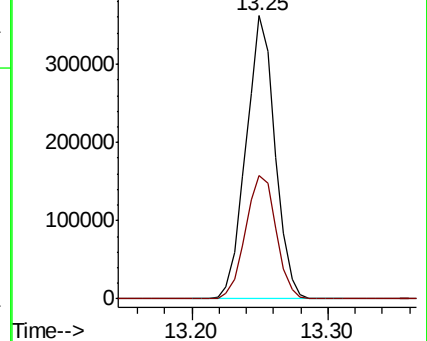
105 100

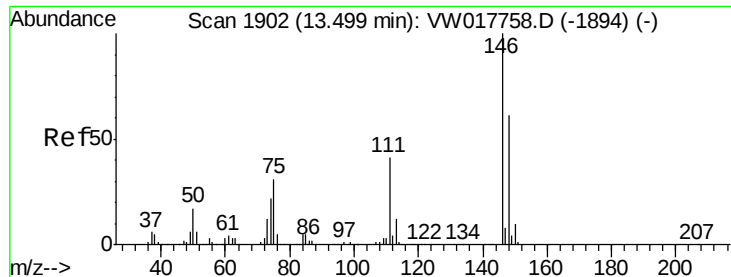
120 45.8 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

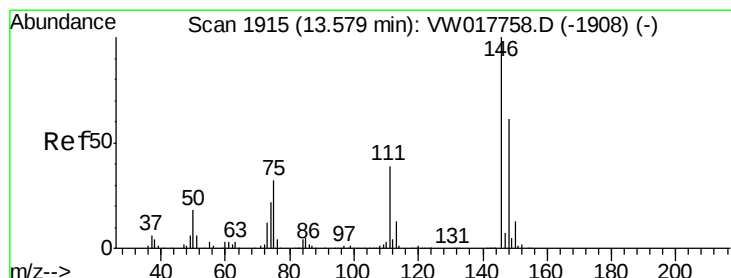
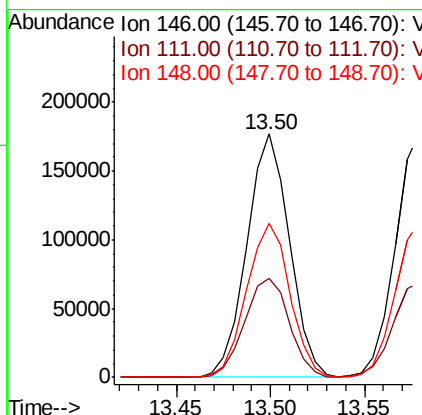
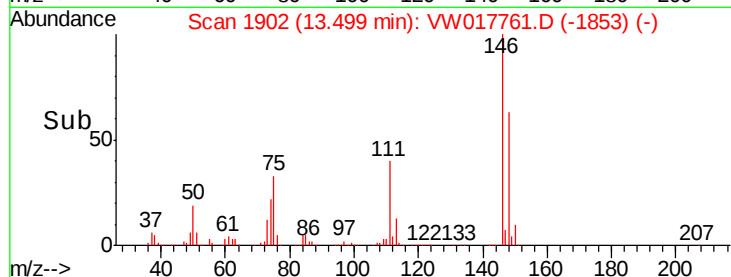
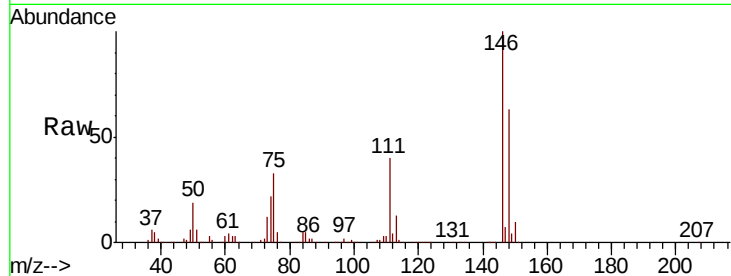




#64
 1,3-Dichlorobenzene
 Concen: 25.305 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

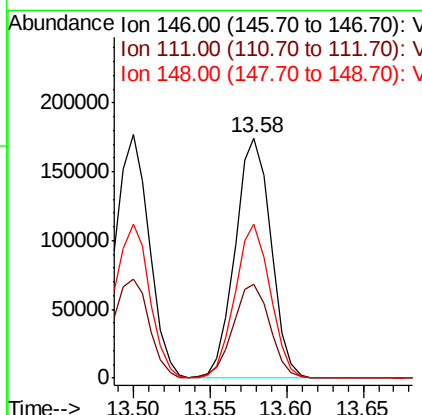
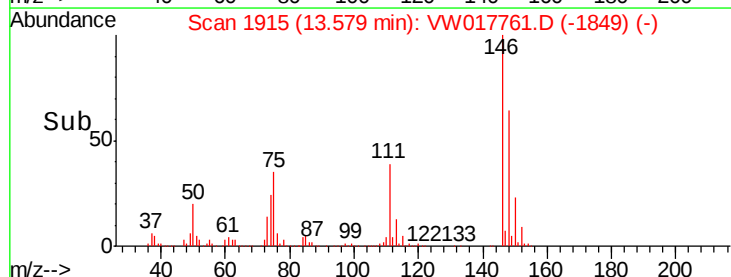
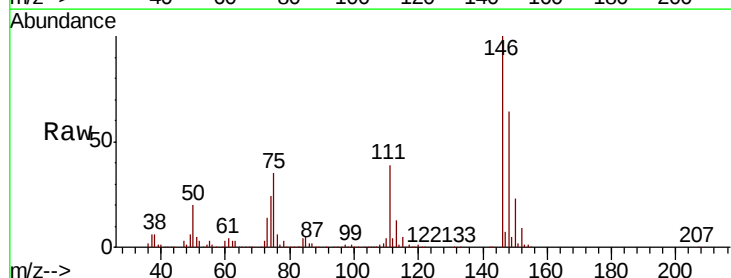
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

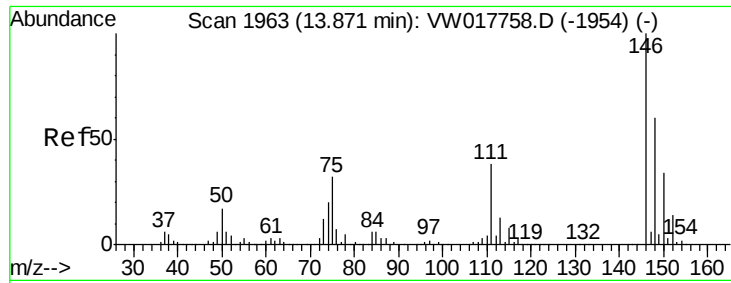
Tot Ion:146 Resp: 277228
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.8 53.6
 148 63.4 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 25.859 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Tgt Ion:146 Resp: 282870
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.6 51.2
 148 63.9 42.4 78.6





#67

1,2-Dichlorobenzene

Concen: 25.462 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

Instrument :

MSVOA_W

ClientSampleId :

BFB20

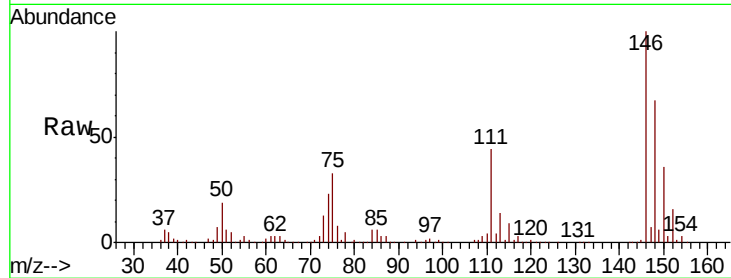
Tot Ion:146 Resp: 254842

Ion Ratio Lower Upper

146 100

111 43.7 30.6 45.8

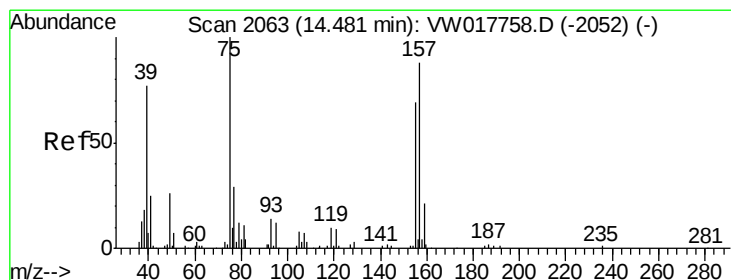
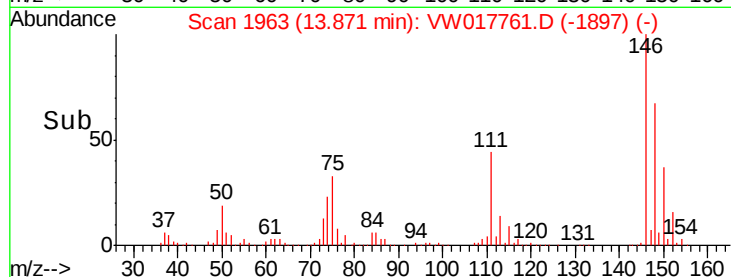
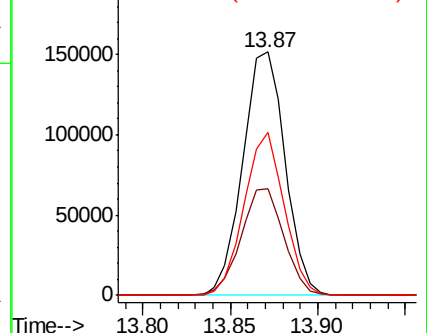
148 67.0 48.1 72.1



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



#68

1,2-Dibromo-3-chloropropane

Concen: 25.245 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW017761.D

Acq: 28 Dec 2020 13:46

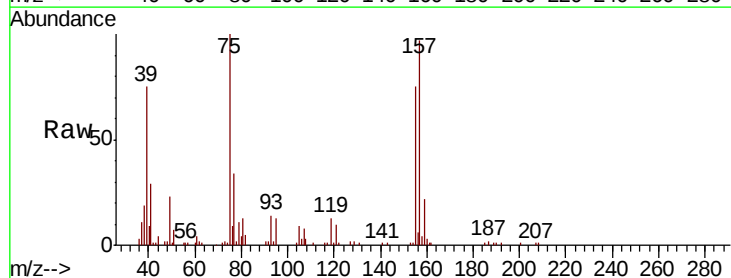
Tgt Ion: 75 Resp: 20146

Ion Ratio Lower Upper

75 100

155 75.0 54.9 82.3

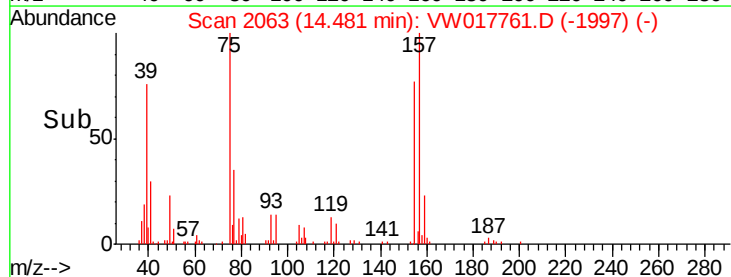
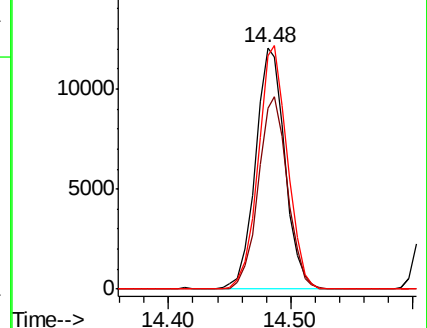
157 96.7 70.4 105.6

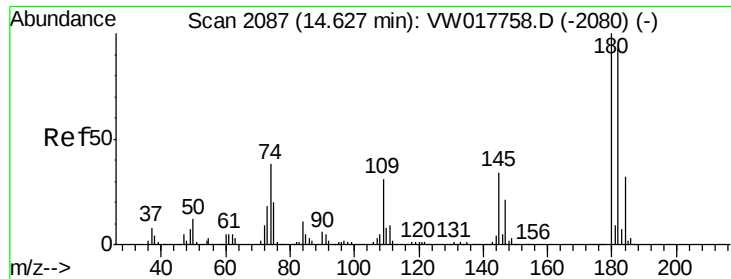


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

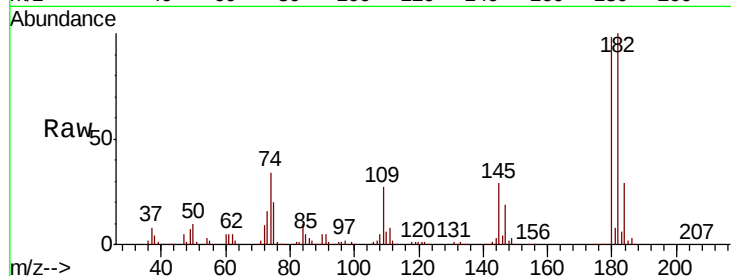




#69
 1,3,5-Trichlorobenzene
 Concen: 26.469 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	29.8	24.2	36.4
145	30.9	25.6	38.4



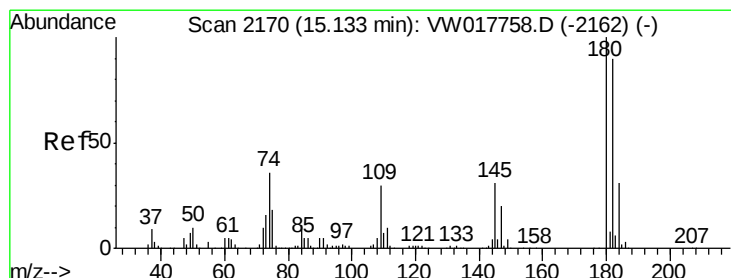
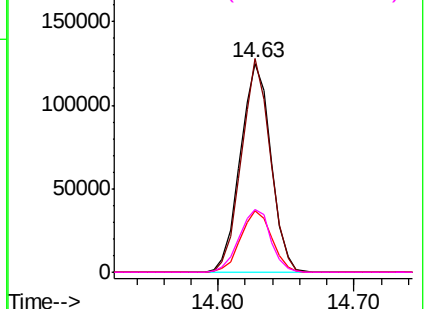
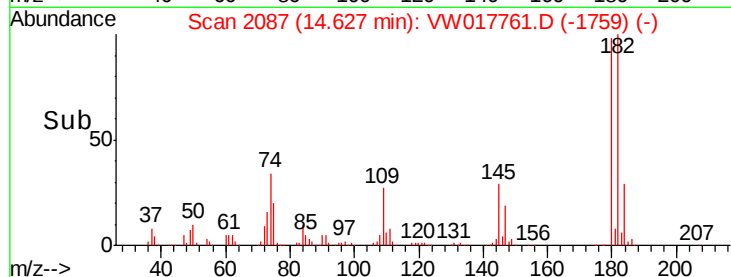
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

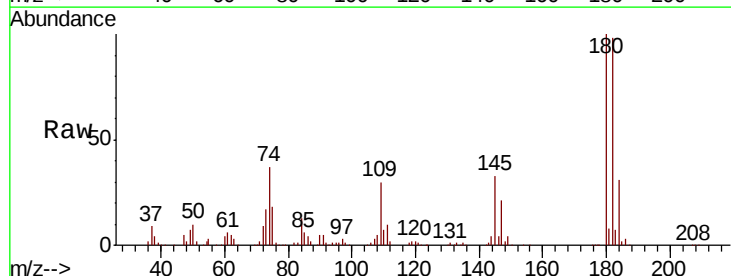
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.503 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017761.D
 Acq: 28 Dec 2020 13:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	72.3	108.5
145	32.1	25.6	38.4

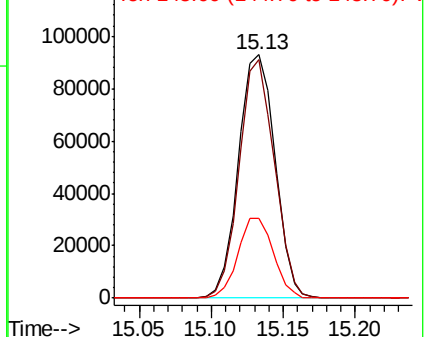
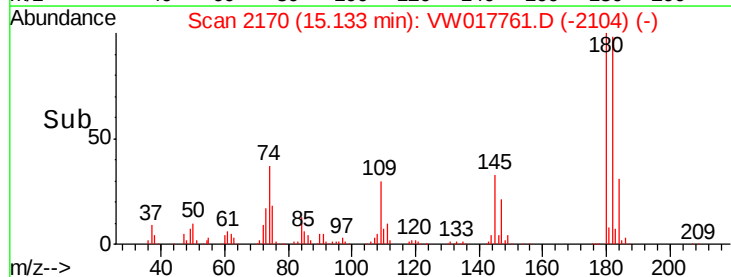


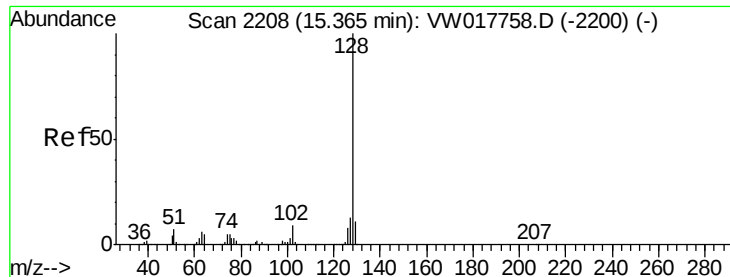
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

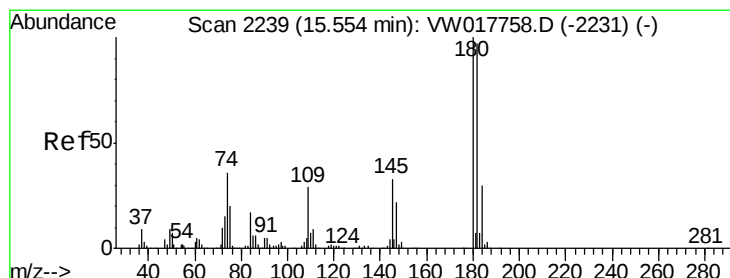
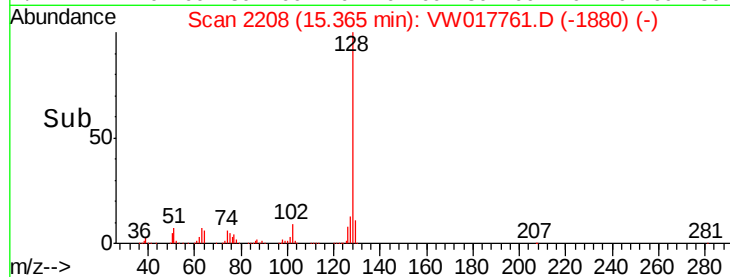
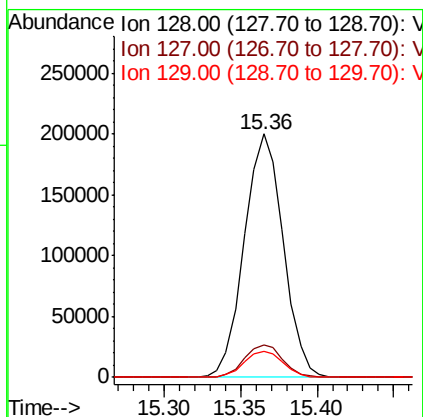
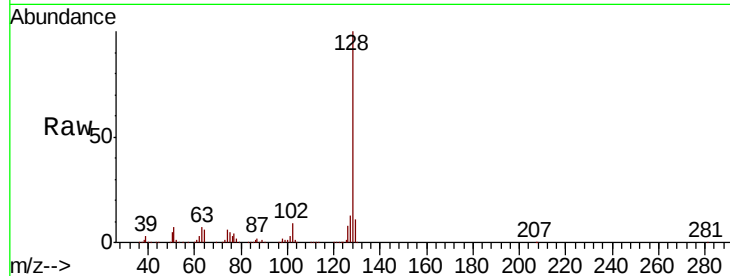




#71
Naphthalene
Concen: 25.717 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Instrument :
MSVOA_W
ClientSampleId :
BFB20

Tot Ion:128 Resp: 354722
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 25.335 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017761.D
Acq: 28 Dec 2020 13:46

Tgt Ion:180 Resp: 144078
Ion Ratio Lower Upper
180 100
182 96.4 74.5 111.7
145 33.9 27.1 40.7

