

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122920\
 Data File : VW017768.D
 Acq On : 29 Dec 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

Quant Time: Dec 30 03:50:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 14:07:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	317325	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299586	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	148860	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118514	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.48%
7) Chloroethane-d5	2.89	69	110889	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.08%
11) 1,1-Dichloroethene-d2	4.02	63	225642	25.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.76%
21) 2-Butanone-d5	7.07	46	63526	58.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.34%
24) Chloroform-d	7.65	84	233242	26.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	8.30	65	132671	27.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.16%
32) Benzene-d6	8.27	84	441237	25.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.92%
36) 1,2-Dichloropropane-d6	9.27	67	127412	26.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.32%
41) Toluene-d8	10.32	98	423345	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	10.58	79	60840	25.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.28%
47) 2-Hexanone-d5	10.92	63	45664	57.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.90%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	121640	28.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.36%
66) 1,2-Dichlorobenzene-d4	13.85	152	144245	27.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	91965	25.022	ug/L 99
3) Chloromethane	2.21	50	85813	26.895	ug/L 100
5) Vinyl chloride	2.37	62	140032	26.297	ug/L 98
6) Bromomethane	2.78	94	119356	26.540	ug/L 93
8) Chloroethane	2.93	64	95961	27.325	ug/L 99
9) Trichlorofluoromethane	3.26	101	107384	28.172	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	114664	27.630	ug/L 99
12) 1,1-Dichloroethene	4.04	96	110611	27.949	ug/L 94
13) Acetone	4.12	43	54062	65.486	ug/L 98
14) Carbon disulfide	4.39	76	335406	27.362	ug/L 100
15) Methyl Acetate	4.67	43	52045	28.124	ug/L 98
16) Methylene chloride	4.92	84	115824	23.197	ug/L 94
17) trans-1,2-Dichloroethene	5.42	96	119355	26.860	ug/L 97
18) Methyl tert-butyl Ether	5.42	73	152835	26.408	ug/L 99
19) 1,1-Dichloroethane	6.21	63	207280	26.682	ug/L 96
20) cis-1,2-Dichloroethene	7.17	96	126328	26.542	ug/L 100
22) 2-Butanone	7.17	43	74146	60.075	ug/L 100

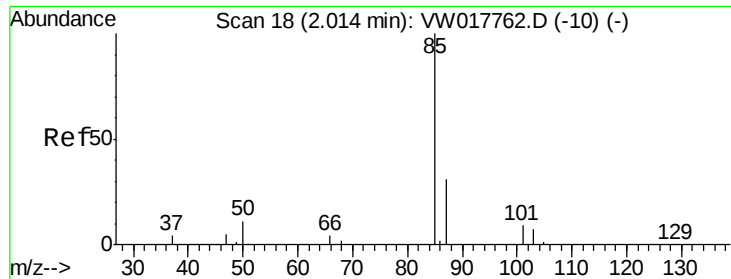
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122920\
 Data File : VW017768.D
 Acq On : 29 Dec 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

Quant Time: Dec 30 03:50:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 14:07:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56760	26.421	ug/L	97
25) Chloroform	7.67	83	221311	26.935	ug/L	96
27) 1,2-Dichloroethane	8.40	62	155449	27.168	ug/L	100
29) Cyclohexane	7.95	56	194010	26.666	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	185004	26.282	ug/L	98
31) Carbon tetrachloride	8.07	117	177249	26.423	ug/L	99
33) Benzene	8.32	78	476400	26.574	ug/L	100
34) Trichloroethene	9.09	95	128012	26.357	ug/L	96
35) Methylcyclohexane	9.34	83	227650	27.373	ug/L	99
37) 1,2-Dichloropropane	9.37	63	114927	26.449	ug/L	99
38) Bromodichloromethane	9.64	83	163610	26.679	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	191068	26.756	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	151126	57.433	ug/L	99
42) Toluene	10.38	91	531449	26.312	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	172949	26.959	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	94582	27.147	ug/L	98
46) Tetrachloroethene	10.86	164	96781	25.781	ug/L	91
48) 2-Hexanone	10.97	43	116299	64.588	ug/L	90
49) Dibromochloromethane	11.13	129	112186	27.011	ug/L	95
50) 1,2-Dibromoethane	11.23	107	93587	27.608	ug/L	90
51) Chlorobenzene	11.66	112	339346	26.554	ug/L	98
52) Ethylbenzene	11.73	91	609280	26.687	ug/L	100
53) m,p-Xylene	11.84	106	234861	26.643	ug/L	98
54) o-Xylene	12.16	106	223601	26.591	ug/L	99
55) Styrene	12.18	104	384912	26.738	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	118887	28.415	ug/L	97
59) Bromoform	12.35	173	63156	29.361	ug/L #	96
60) Isopropylbenzene	12.46	105	618245	28.545	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	88770	29.633	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	510547	28.795	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	522854	29.300	ug/L	96
64) 1,3-Dichlorobenzene	13.50	146	265919	28.319	ug/L	95
65) 1,4-Dichlorobenzene	13.58	146	264974	28.261	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	240579	28.044	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.49	75	21172	30.953	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.63	180	180550	28.401	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	156772	28.503	ug/L	98
71) Naphthalene	15.36	128	357124	30.206	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	134201	27.531	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 25.022 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

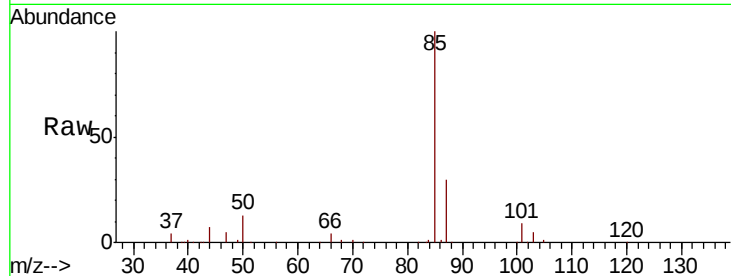
BFB21

Tot Ion: 85 Resp: 91965

Ion Ratio Lower Upper

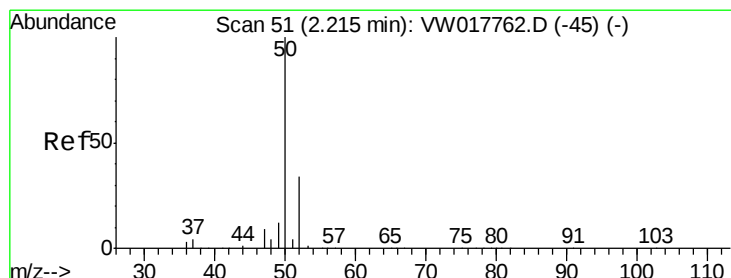
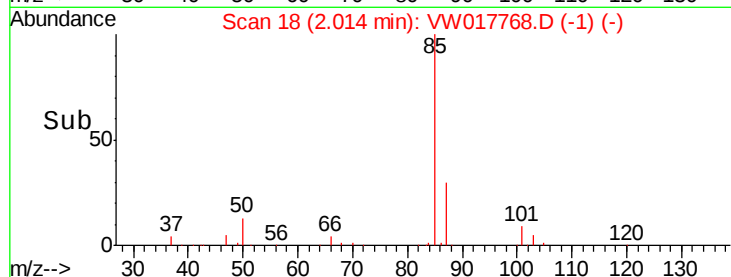
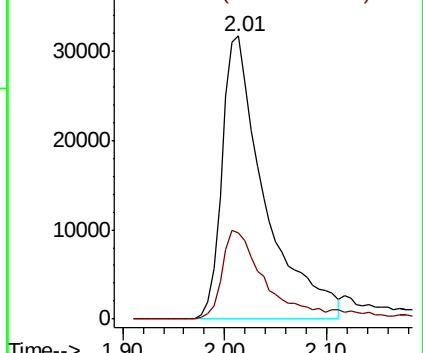
85 100

87 30.1 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: 26.895 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017768.D

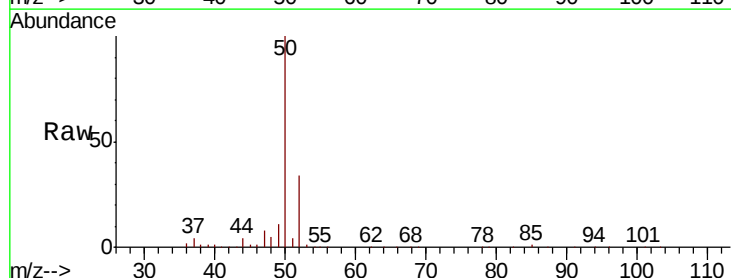
Acq: 29 Dec 2020 09:55

Tgt Ion: 50 Resp: 85813

Ion Ratio Lower Upper

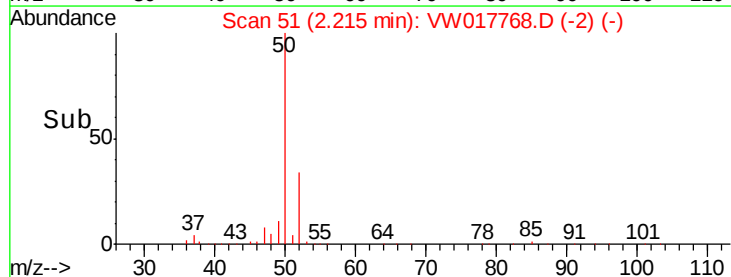
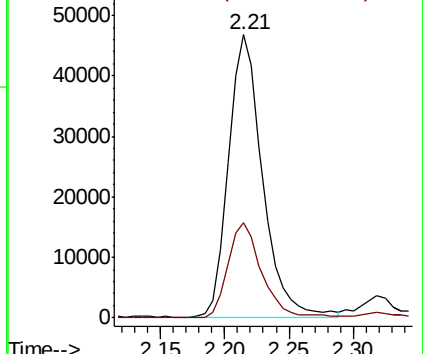
50 100

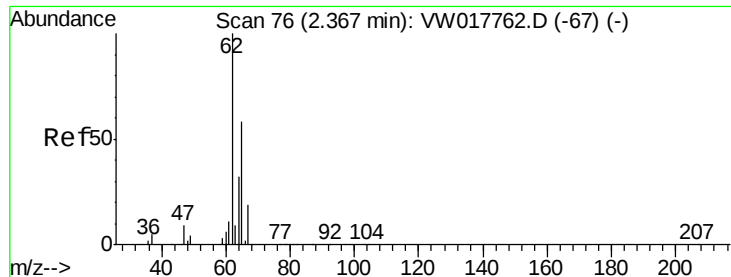
52 33.8 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.297 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

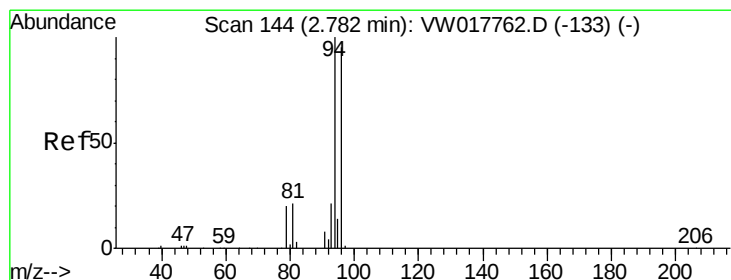
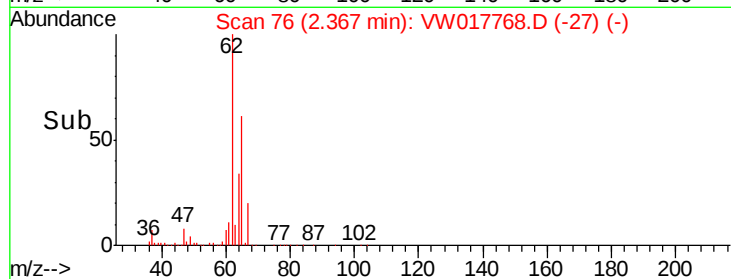
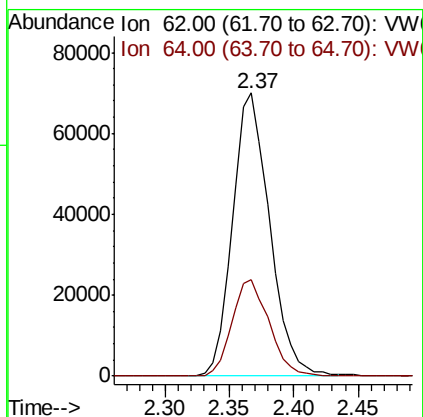
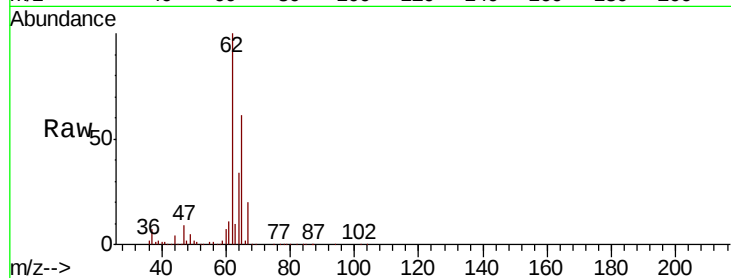
BFB21

Tot Ion: 62 Resp: 140032

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.6



#6

Bromomethane

Concen: 26.540 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017768.D

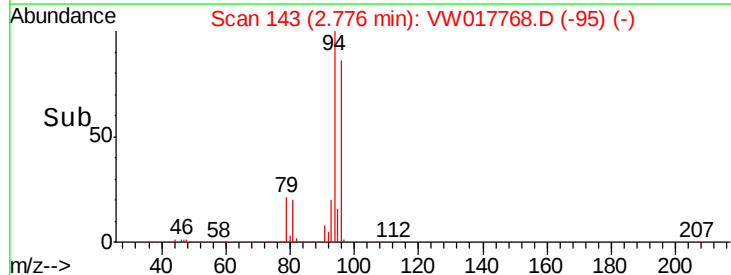
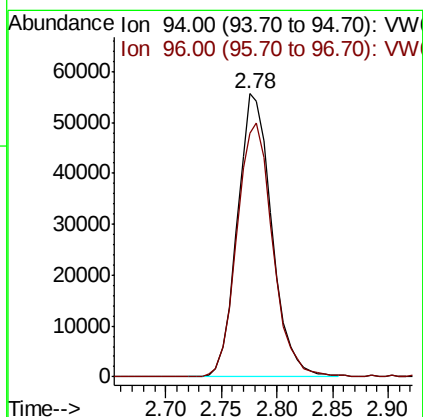
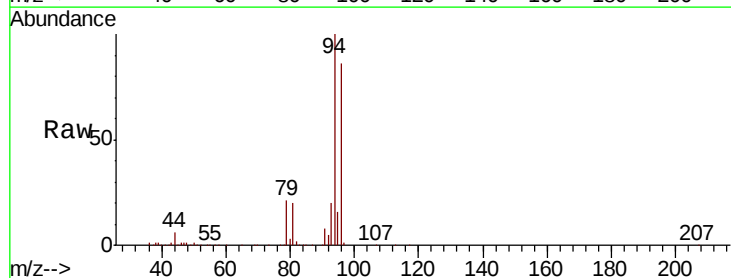
Acq: 29 Dec 2020 09:55

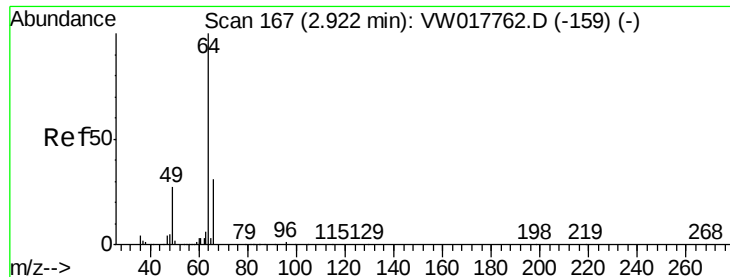
Tgt Ion: 94 Resp: 119356

Ion Ratio Lower Upper

94 100

96 86.2 65.0 120.6

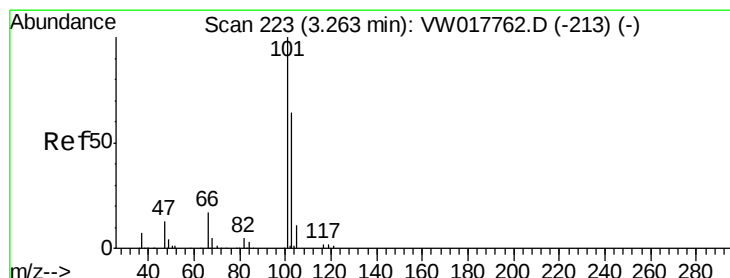
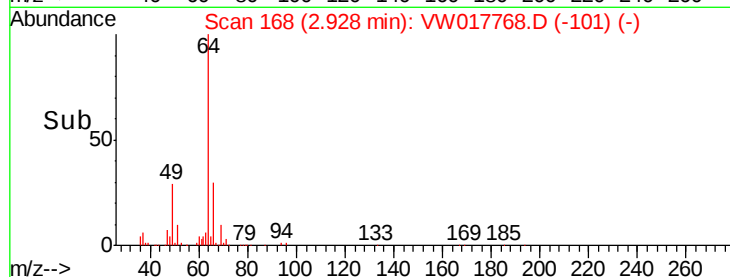
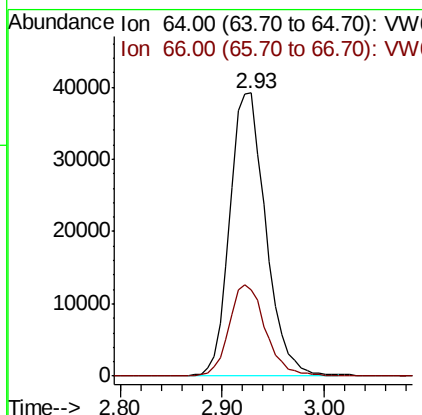
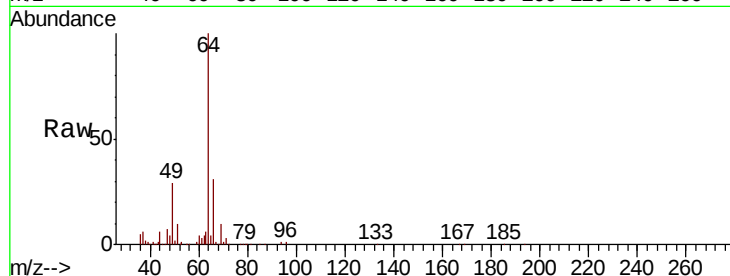




#8
Chloroethane
Concen: 27.325 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

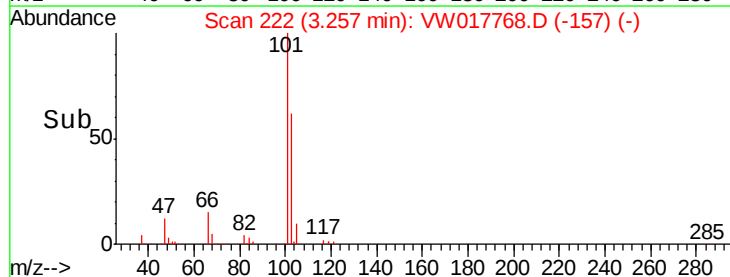
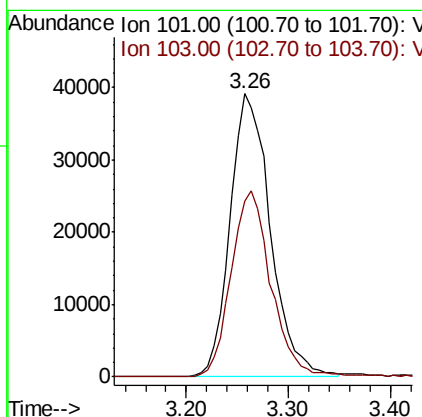
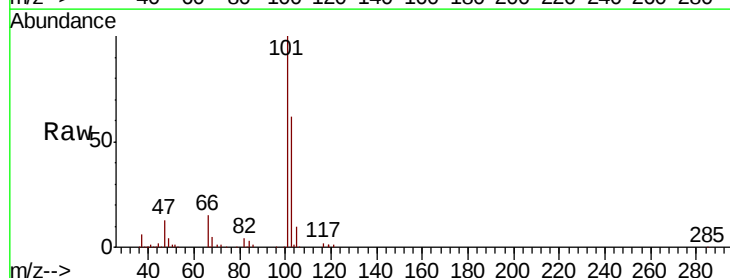
Instrument :
MSVOA_W
ClientSampleId :
BFB21

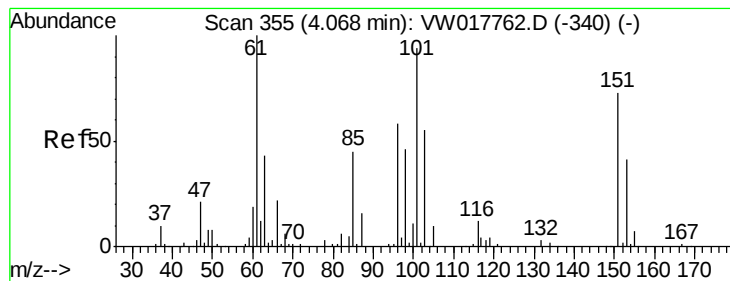
Tot Ion: 64 Resp: 95961
Ion Ratio Lower Upper
64 100
66 30.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 28.172 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 101 Resp: 107384
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8





#10

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

Concen: 27.630 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

BFB21

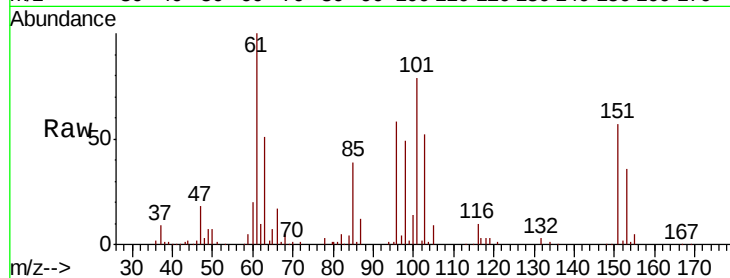
Tot Ion:101 Resp: 114664

Ion Ratio Lower Upper

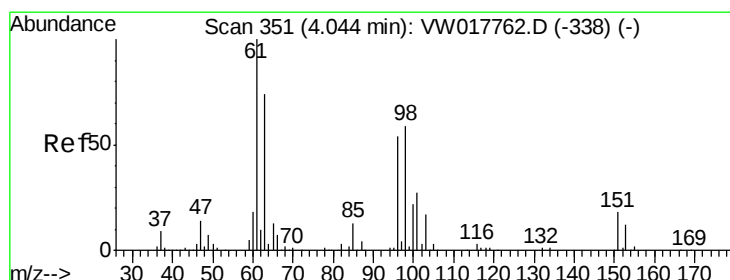
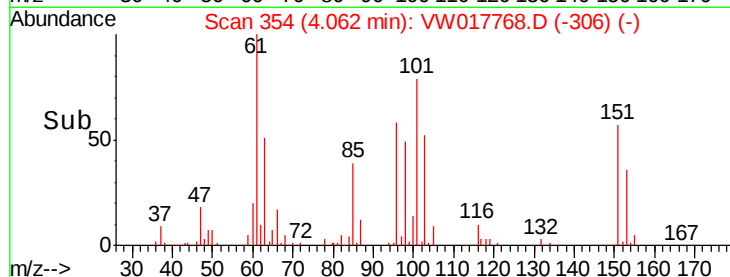
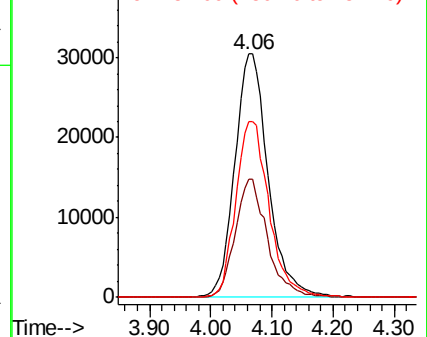
101 100

85 46.5 37.9 56.9

151 71.7 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: 27.949 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

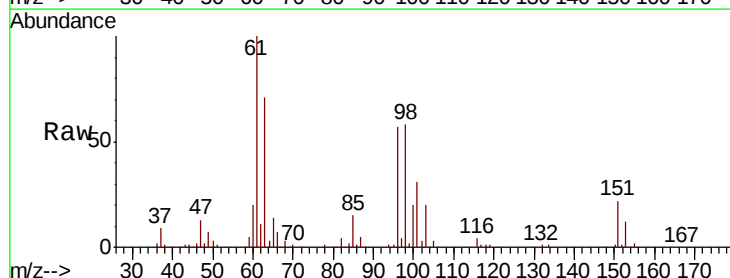
Tgt Ion: 96 Resp: 110611

Ion Ratio Lower Upper

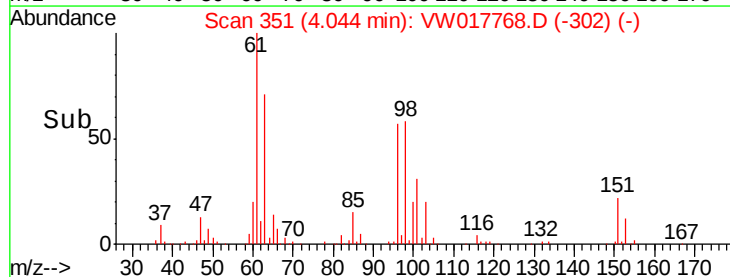
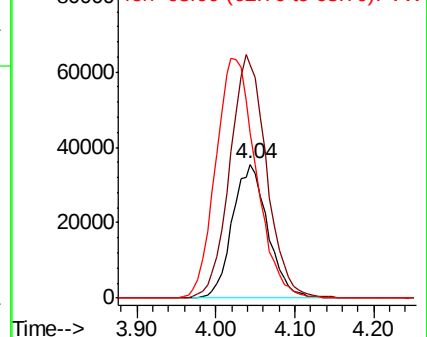
96 100

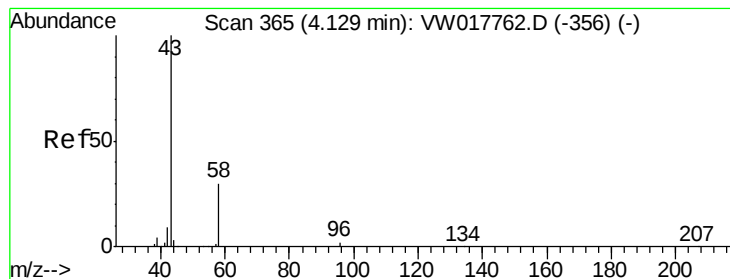
61 174.1 123.7 229.7

63 123.5 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: 65.486 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

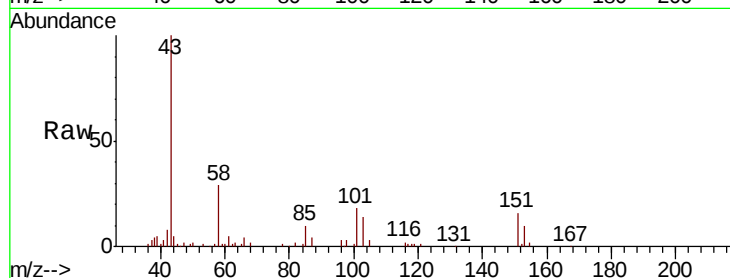
BFB21

Tot Ion: 43 Resp: 54062

Ion Ratio Lower Upper

43 100

58 27.8 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

15000

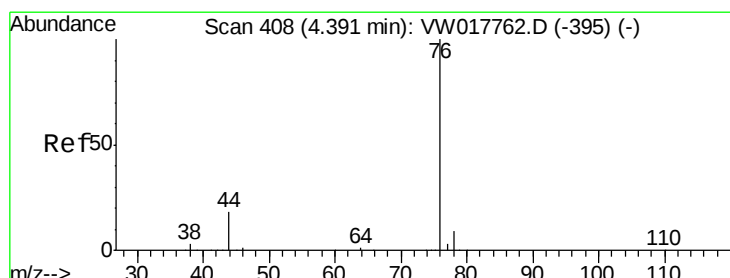
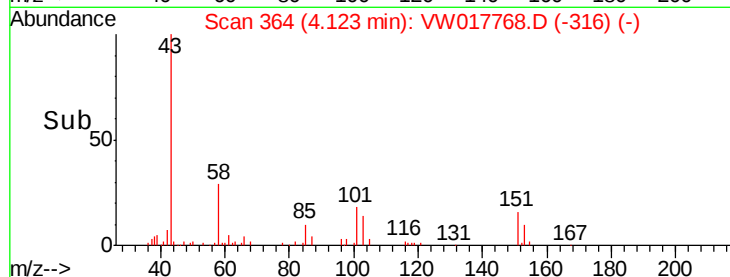
10000

5000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 27.362 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017768.D

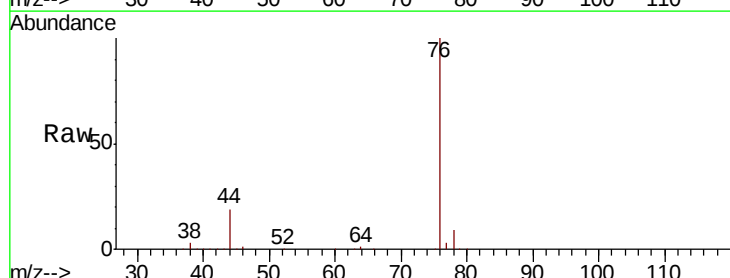
Acq: 29 Dec 2020 09:55

Tgt Ion: 76 Resp: 335406

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

120000

100000

80000

60000

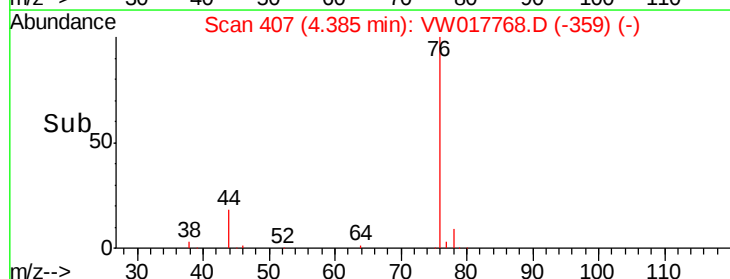
40000

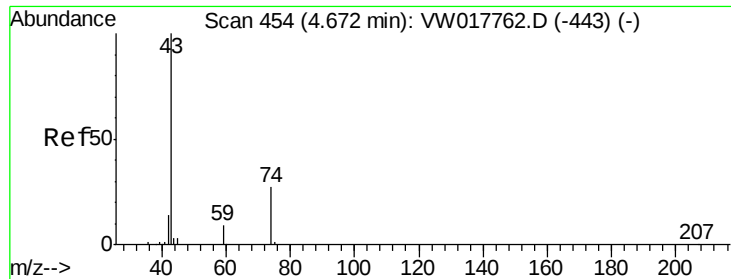
20000

0

Time-->

4.20 4.30 4.40 4.50

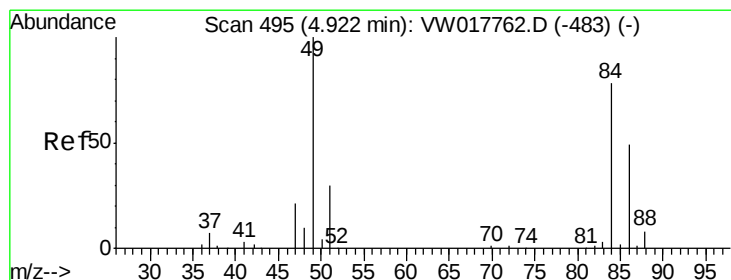
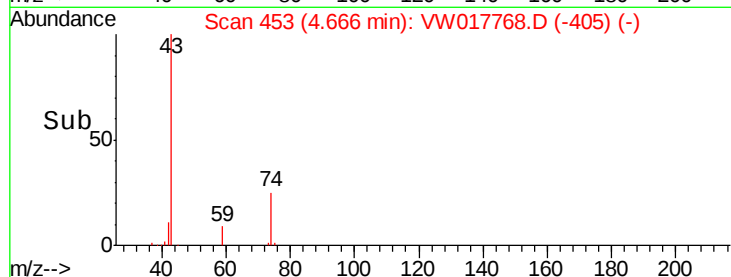
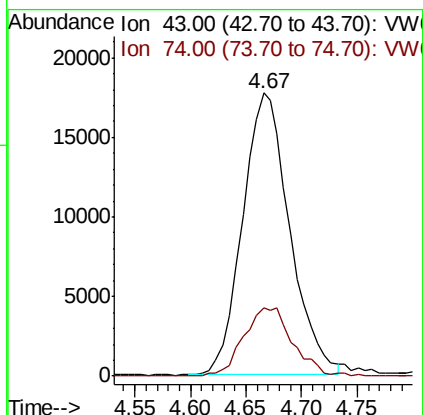
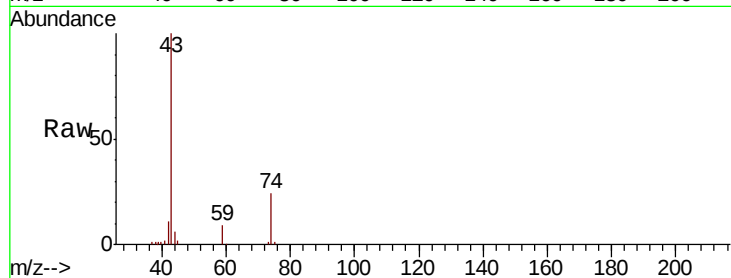




#15
Methyl Acetate
Concen: 28.124 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

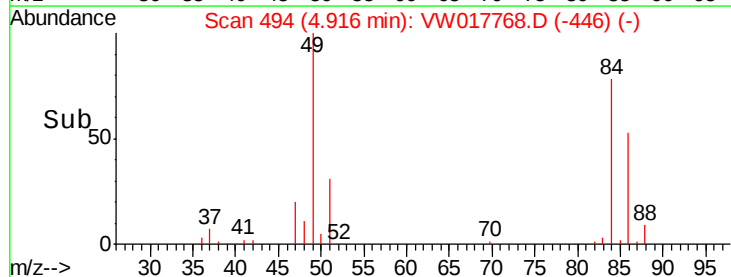
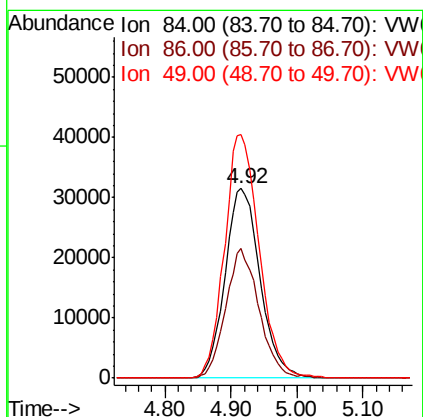
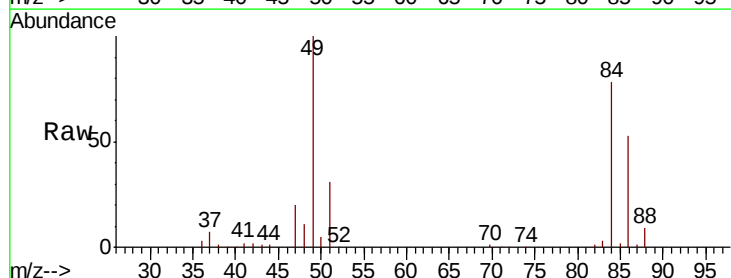
Instrument :
MSVOA_W
ClientSampleId :
BFB21

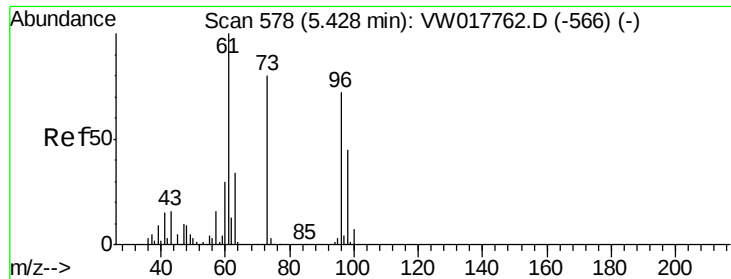
Tot Ion: 43 Resp: 52045
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9



#16
Methylene chloride
Concen: 23.197 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 84 Resp: 115824
Ion Ratio Lower Upper
84 100
86 68.2 44.0 81.8
49 128.5 85.4 158.6

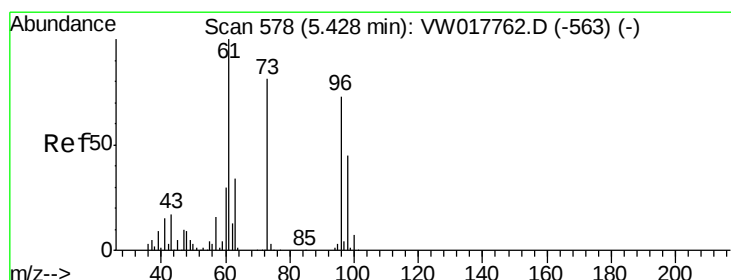
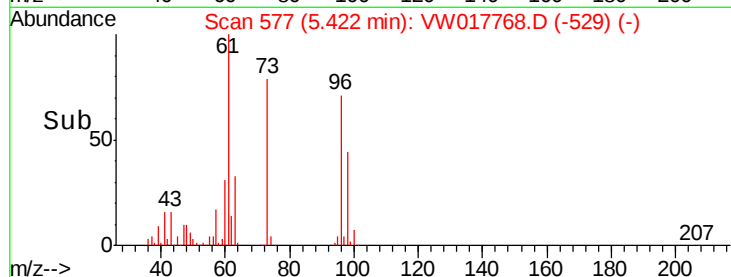
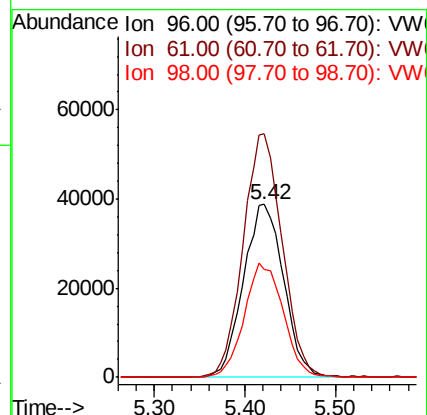
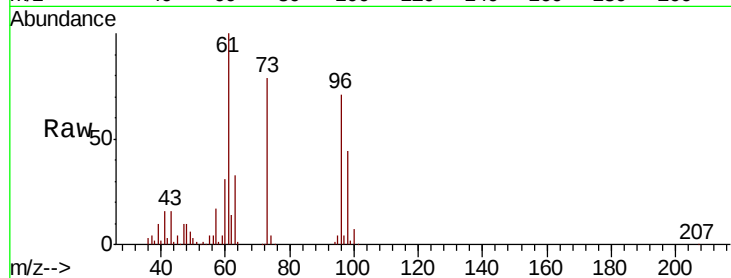




#17
trans-1,2-Dichloroethene
Concen: 26.860 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

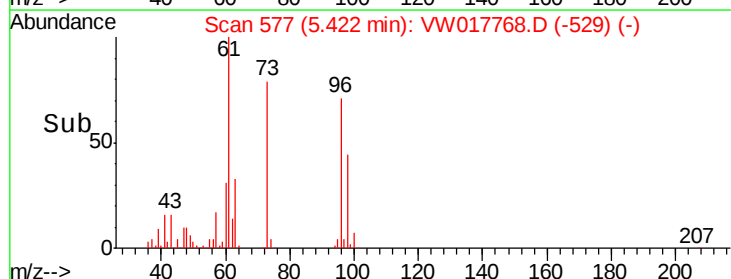
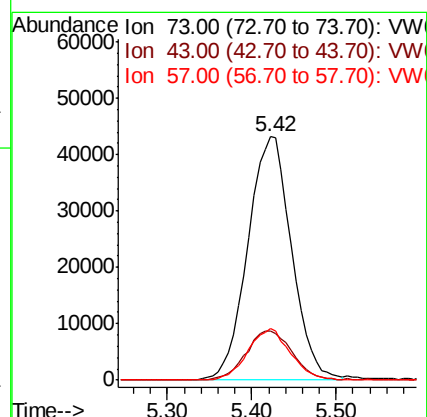
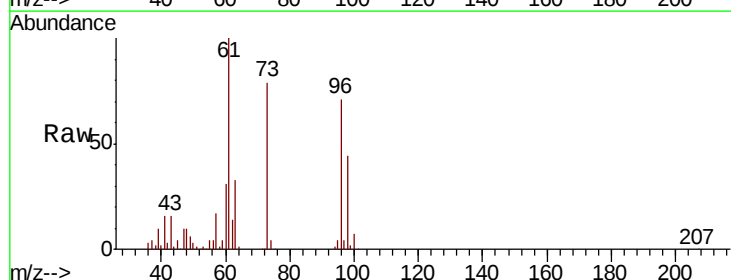
Instrument :
MSVOA_W
ClientSampled :
BFB21

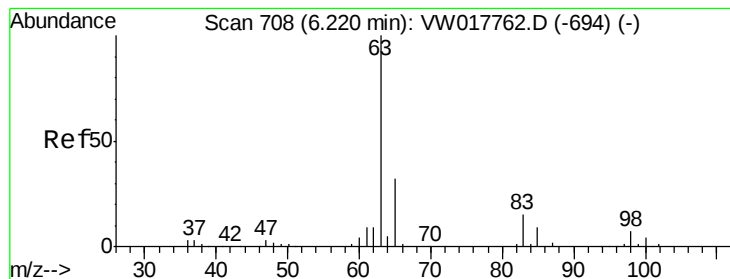
Tot Ion: 96 Resp: 119355
Ion Ratio Lower Upper
96 100
61 140.9 96.0 178.4
98 62.3 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 26.408 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 73 Resp: 152835
Ion Ratio Lower Upper
73 100
43 21.3 17.4 26.0
57 20.6 16.9 25.3





#19

1,1-Dichloroethane

Concen: 26.682 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

BFB21

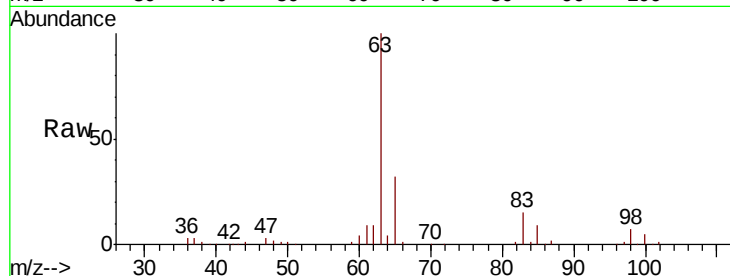
Tot Ion: 63 Resp: 207280

Ion Ratio Lower Upper

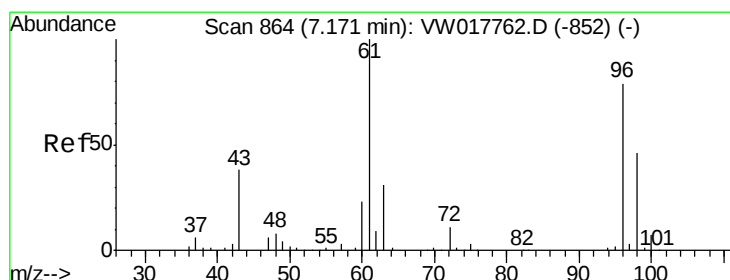
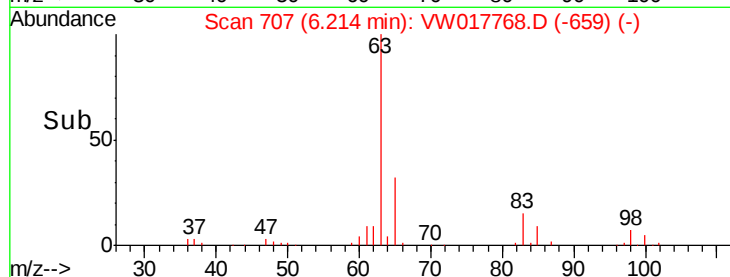
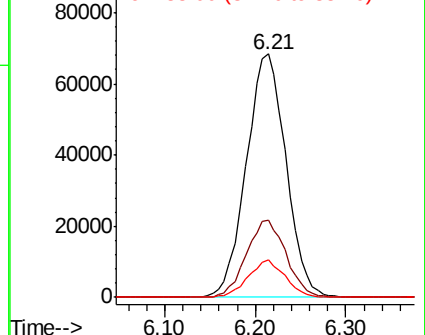
63 100

65 31.6 21.3 39.5

83 15.4 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: 26.542 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

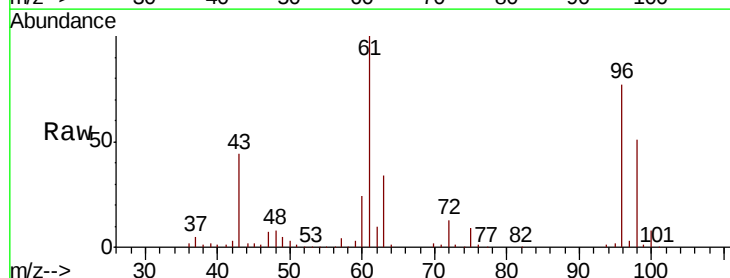
Tgt Ion: 96 Resp: 126328

Ion Ratio Lower Upper

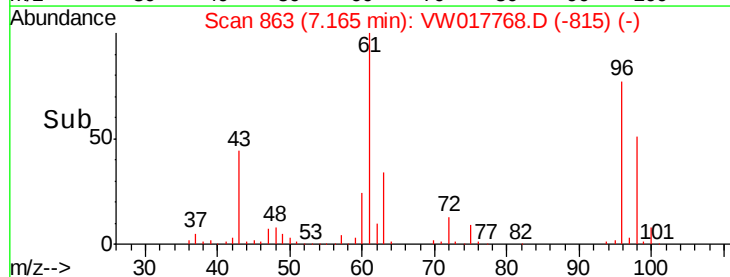
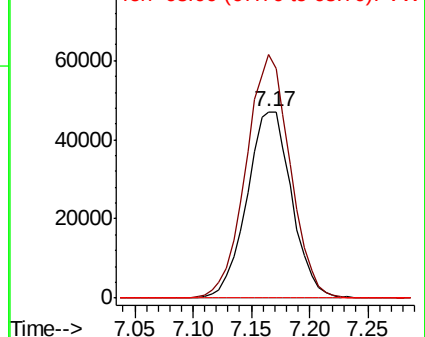
96 100

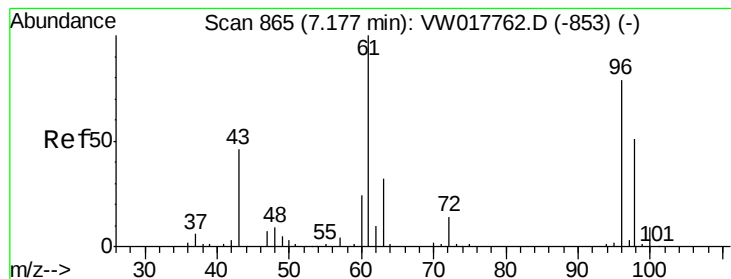
61 130.5 91.6 170.2

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: 60.075 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

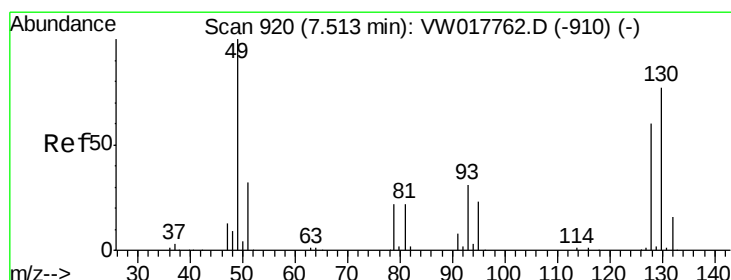
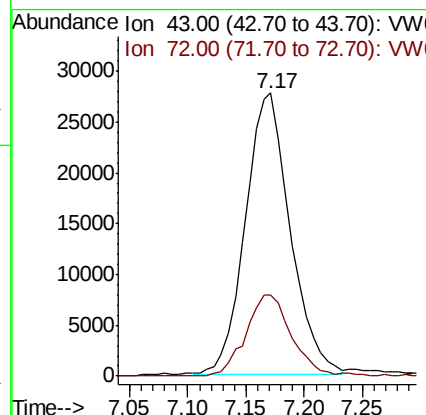
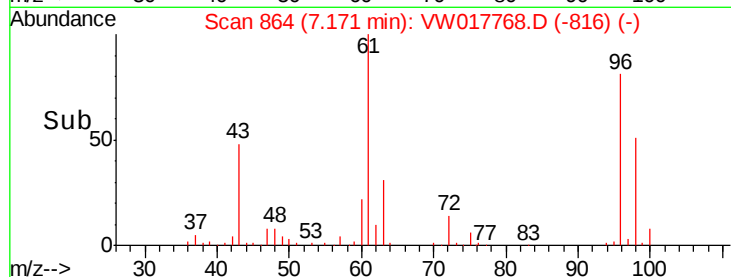
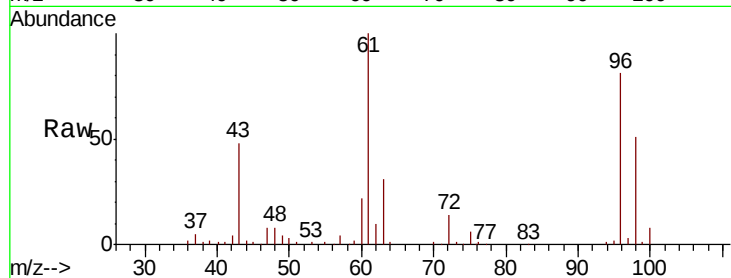
BFB21

Tot Ion: 43 Resp: 74146

Ion Ratio Lower Upper

43 100

72 29.1 14.6 44.0



#23

Bromochloromethane

Concen: 26.421 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Tgt Ion: 128 Resp: 56760

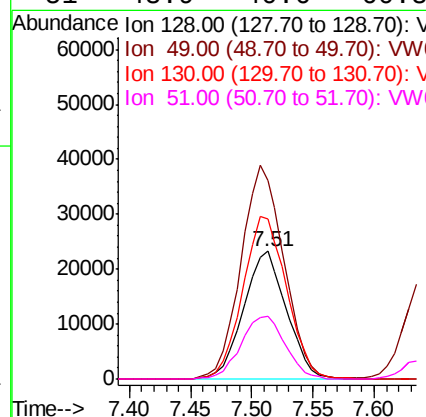
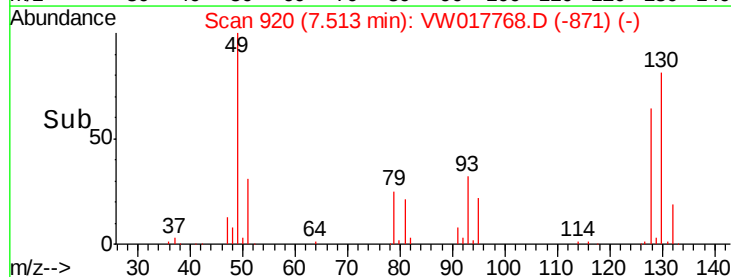
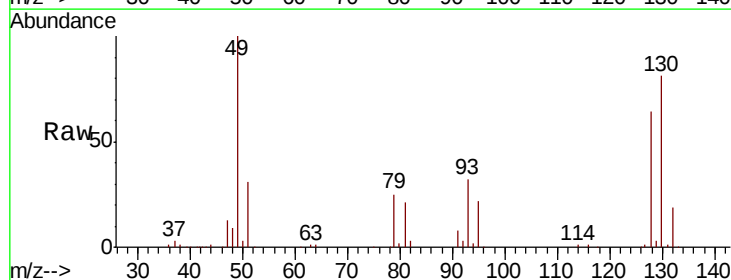
Ion Ratio Lower Upper

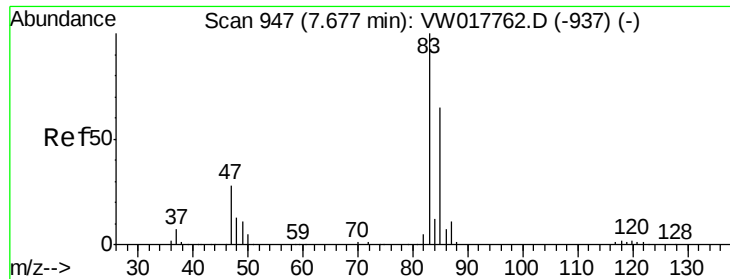
128 100

49 155.7 111.2 206.6

130 125.6 91.9 170.7

51 48.9 40.6 60.8

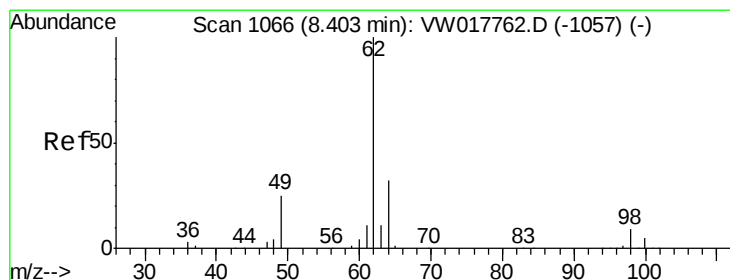
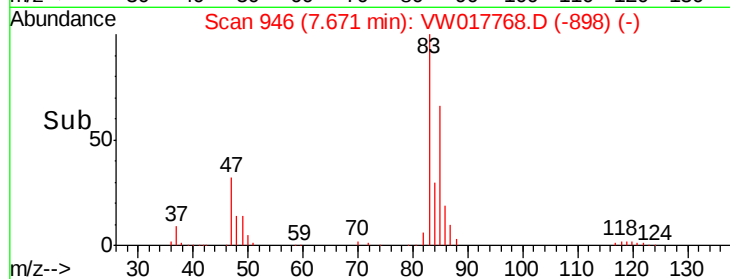
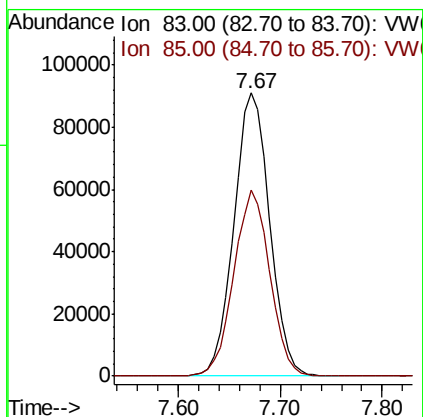
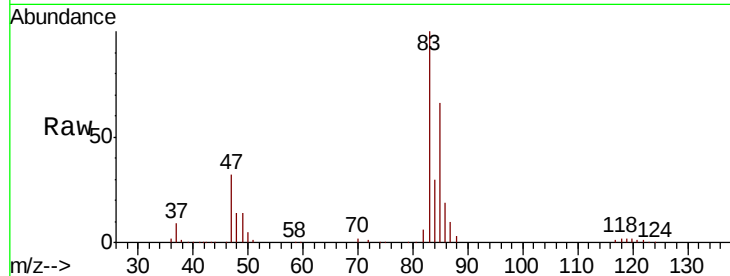




#25
Chloroform
Concen: 26.935 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

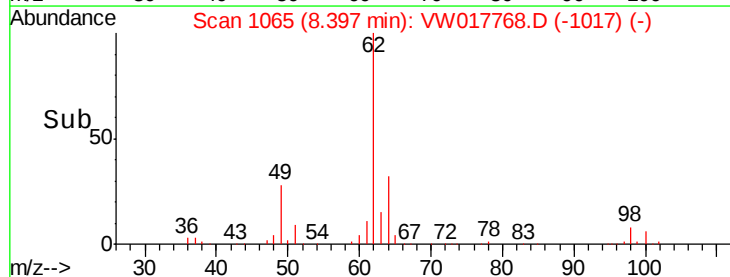
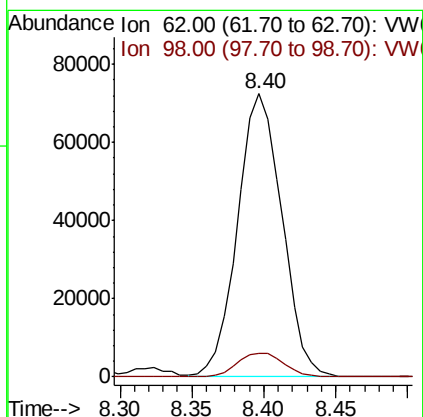
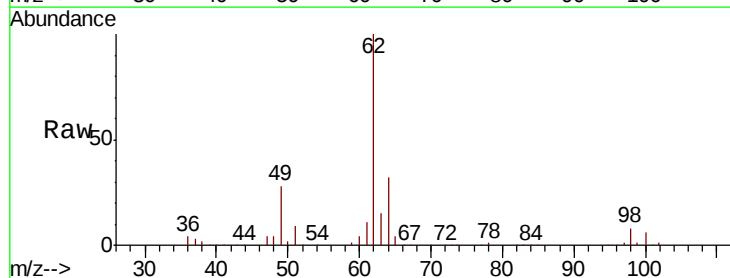
Instrument :
MSVOA_W
ClientSampleId :
BFB21

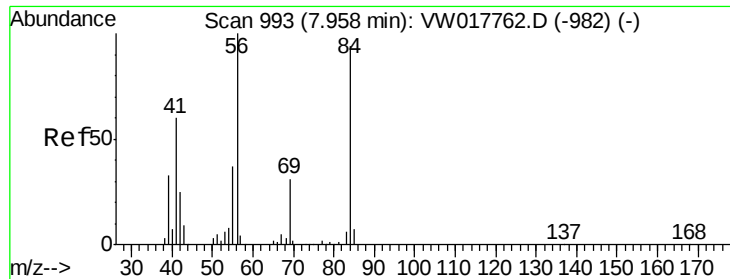
Tot Ion: 83 Resp: 221311
Ion Ratio Lower Upper
83 100
85 65.5 43.6 81.0



#27
1,2-Dichloroethane
Concen: 27.168 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 62 Resp: 155449
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2

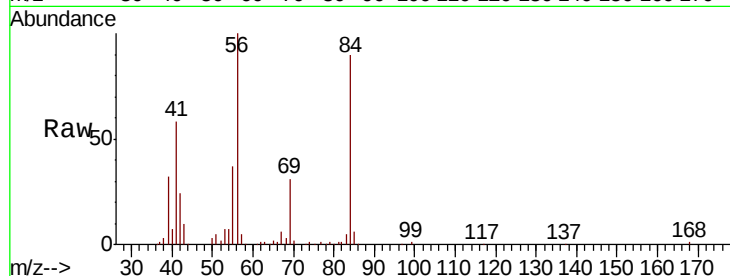




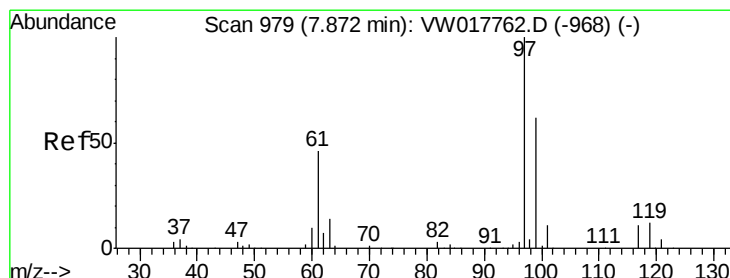
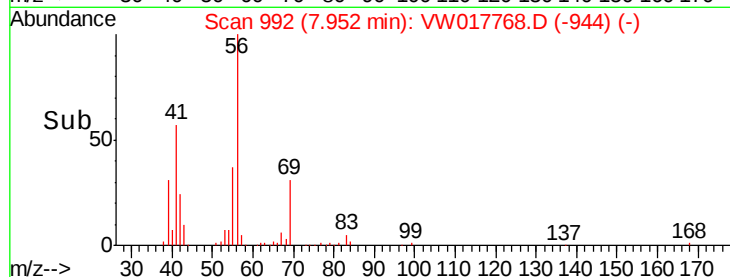
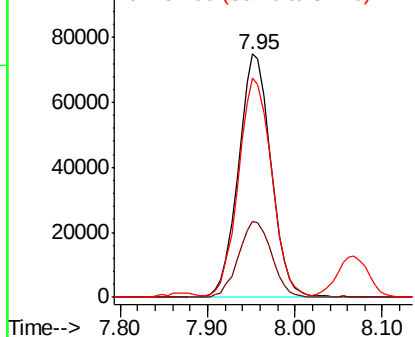
#29
Cyclohexane
Concen: 26.666 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
BFB21

Tot Ion: 56 Resp: 194010
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.2
84 92.2 74.3 111.5

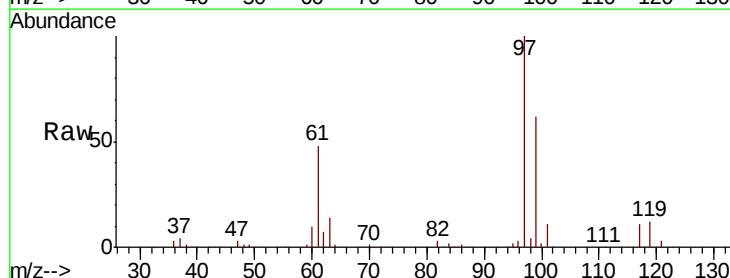


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

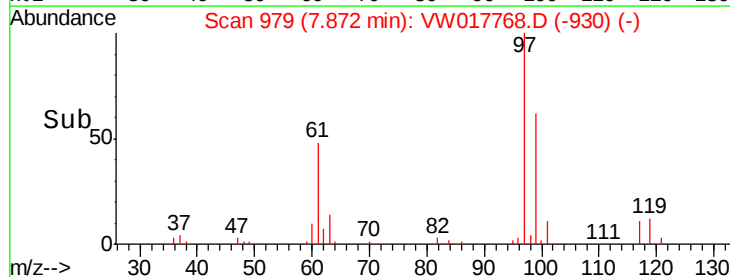
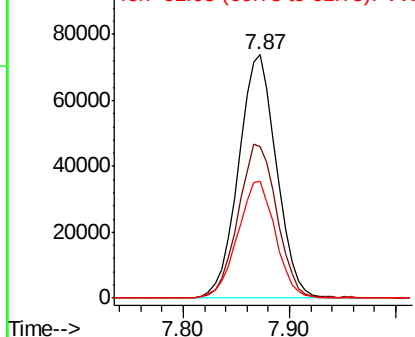


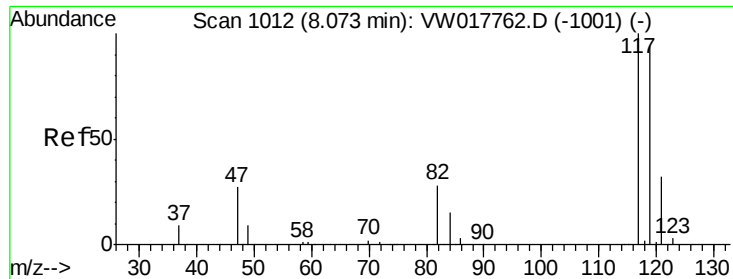
#30
1,1,1-Trichloroethane
Concen: 26.282 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 97 Resp: 185004
Ion Ratio Lower Upper
97 100
99 64.2 50.6 75.8
61 47.8 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: 26.423 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

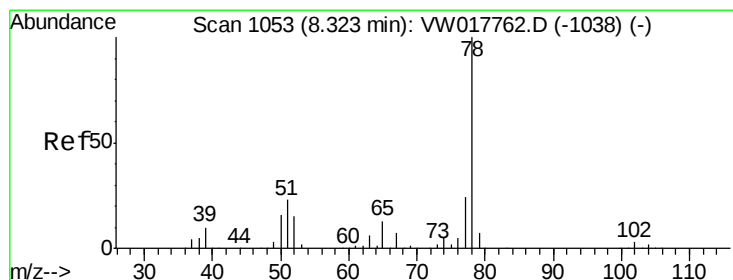
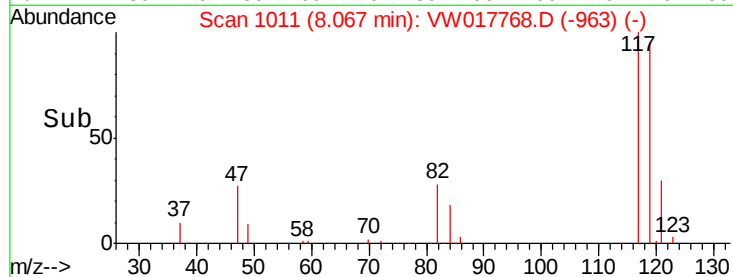
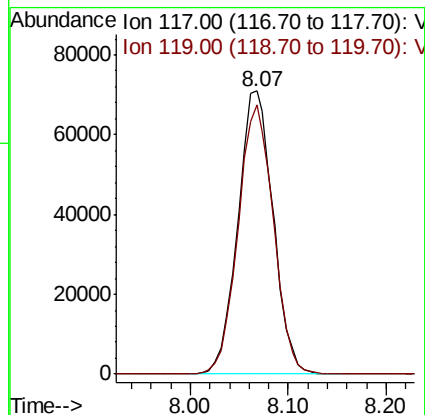
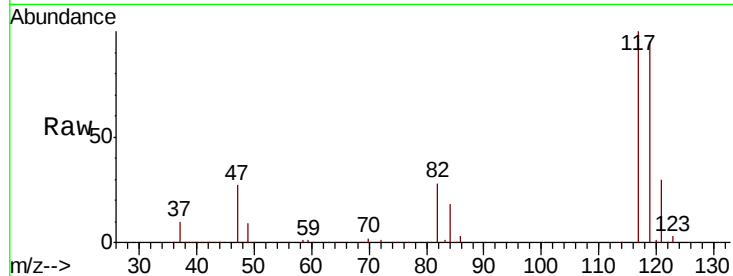
BFB21

Tot Ion:117 Resp: 177249

Ion Ratio Lower Upper

117 100

119 95.0 75.6 113.4



#33

Benzene

Concen: 26.574 ug/L

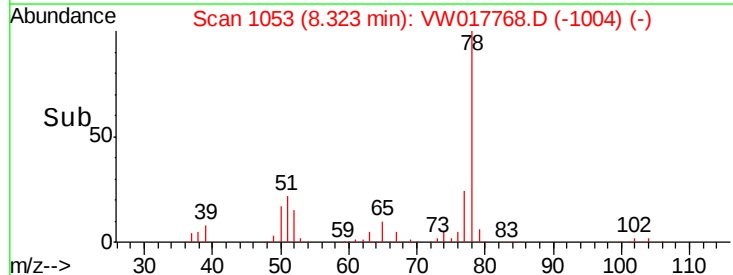
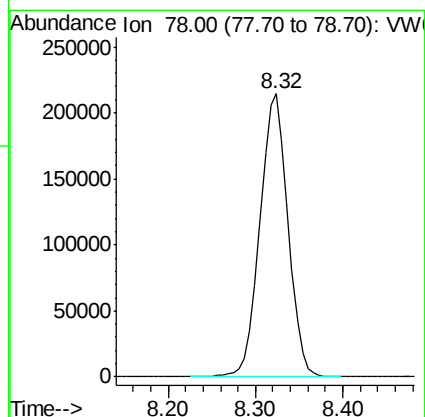
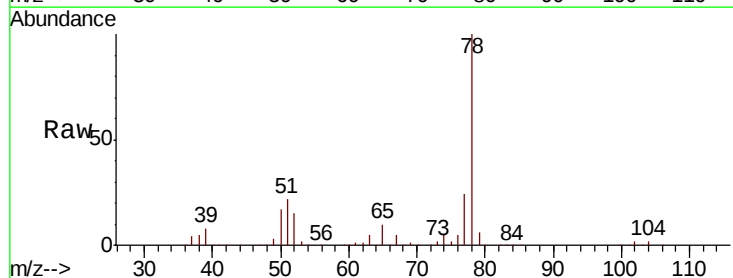
RT: 8.32 min Scan# 1053

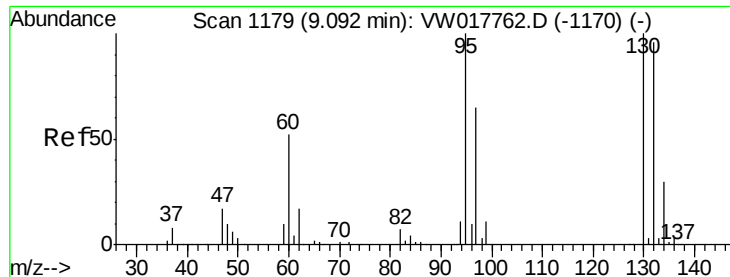
Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Tgt Ion: 78 Resp: 476400





#34

Trichloroethene

Concen: 26.357 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

BFB21

Tot Ion: 95 Resp: 128012

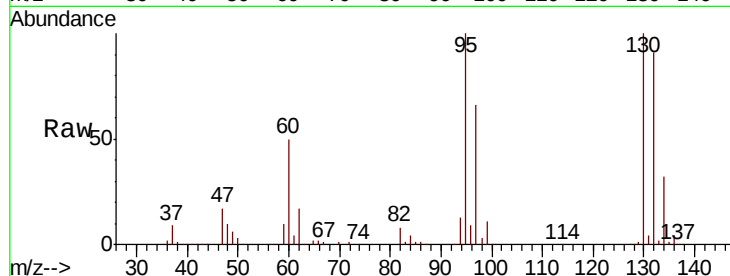
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.6

132 91.3 69.4 128.8

130 99.8 68.2 126.6

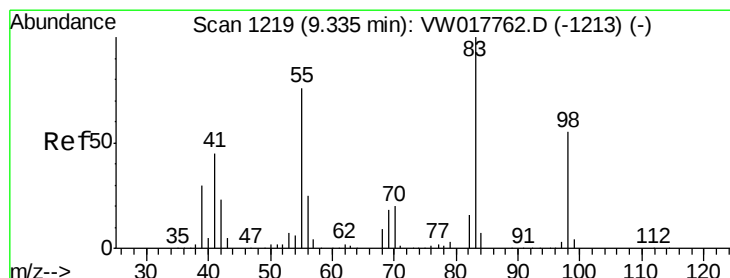
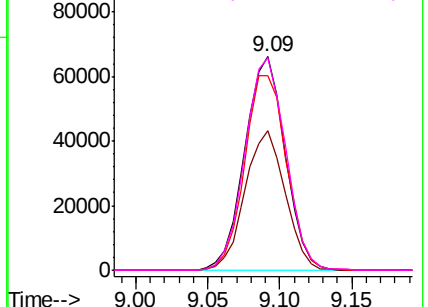
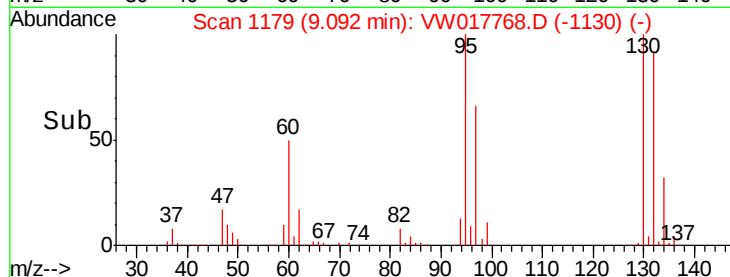


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35

Methylcyclohexane

Concen: 27.373 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

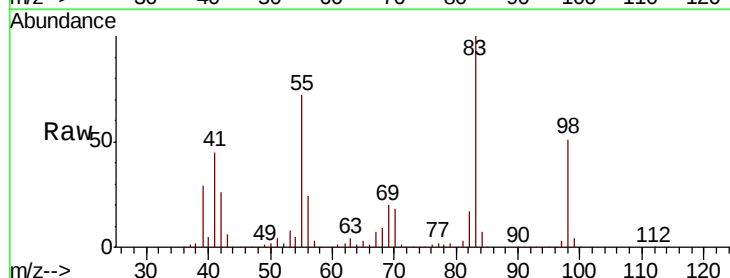
Tgt Ion: 83 Resp: 227650

Ion Ratio Lower Upper

83 100

55 73.2 58.6 88.0

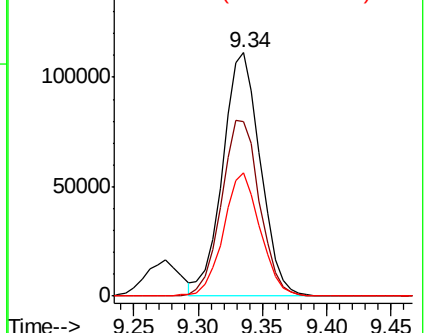
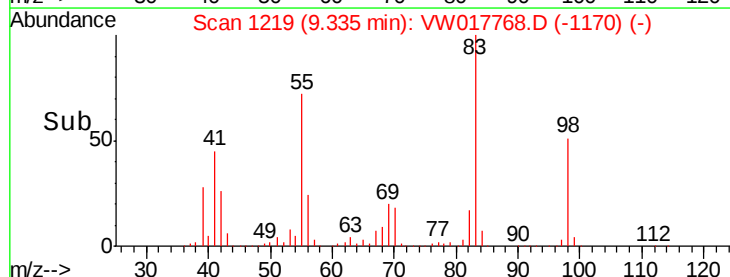
98 49.5 40.5 60.7

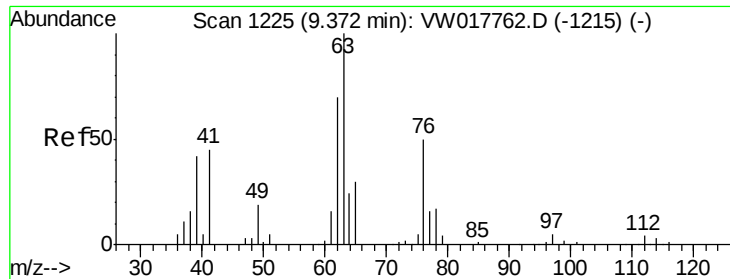


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

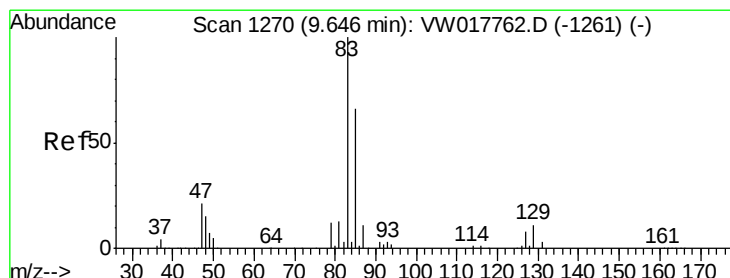
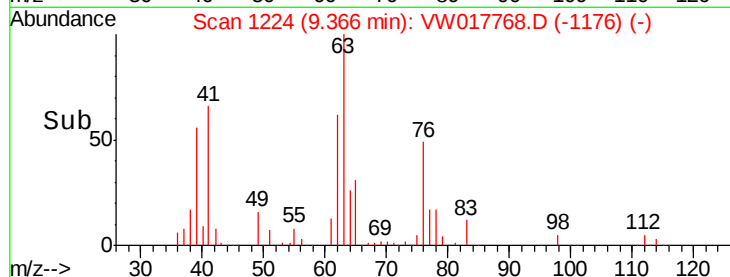
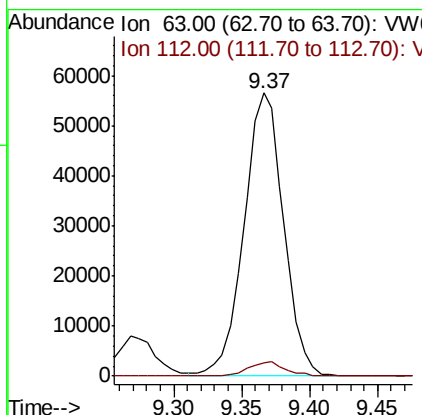
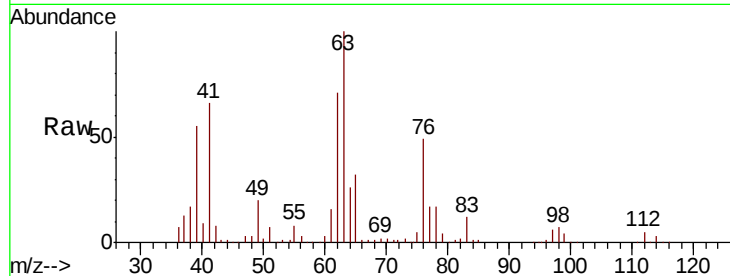




#37
 1,2-Dichloropropane
 Concen: 26.449 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

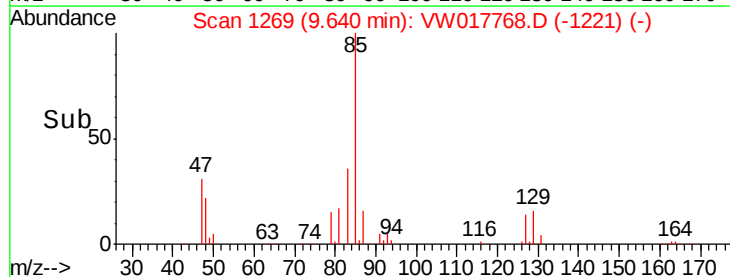
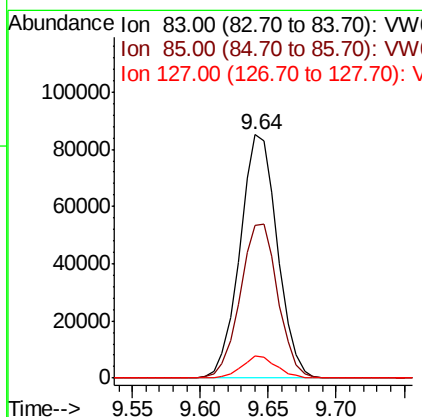
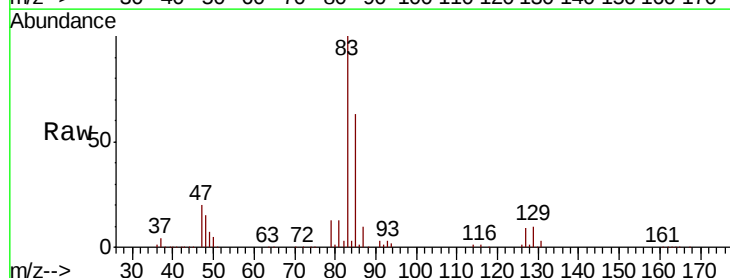
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

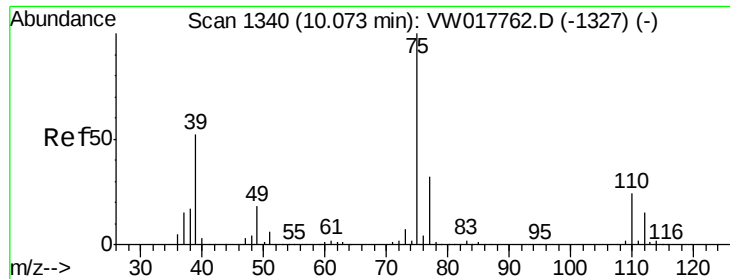
Tot Ion: 63 Resp: 114927
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 26.679 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Tgt Ion: 83 Resp: 163610
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.0 80.0
 127 9.0 6.1 9.1

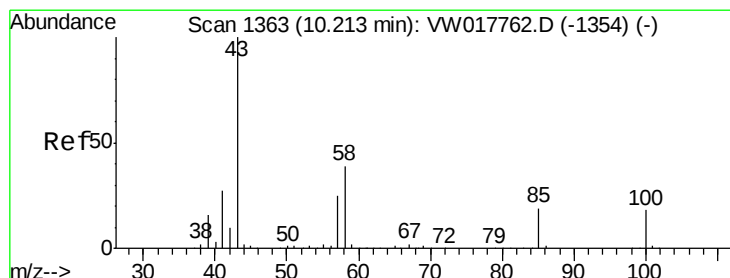
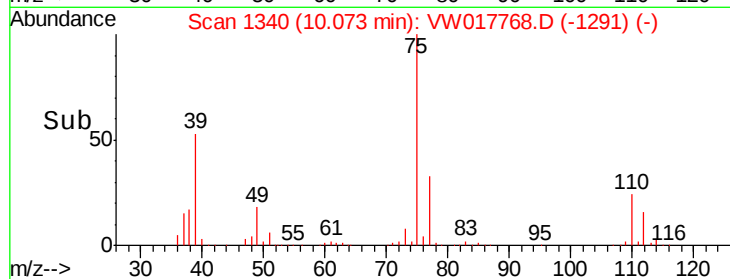
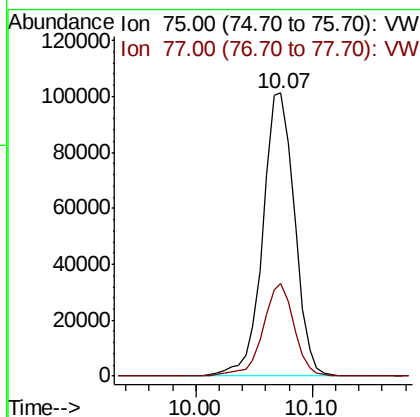
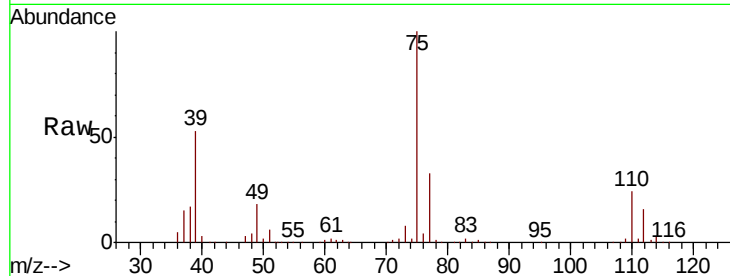




#39
 cis-1,3-Dichloropropene
 Concen: 26.756 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

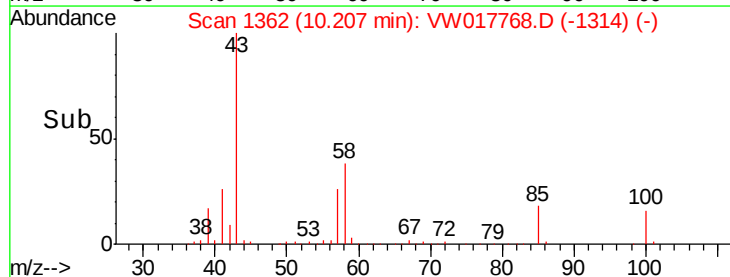
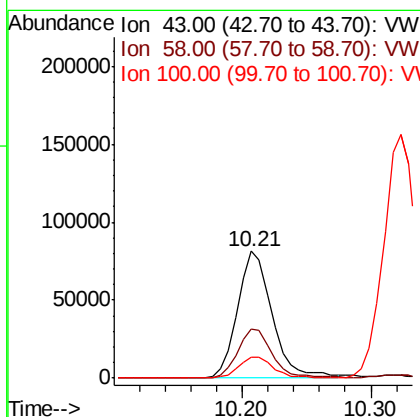
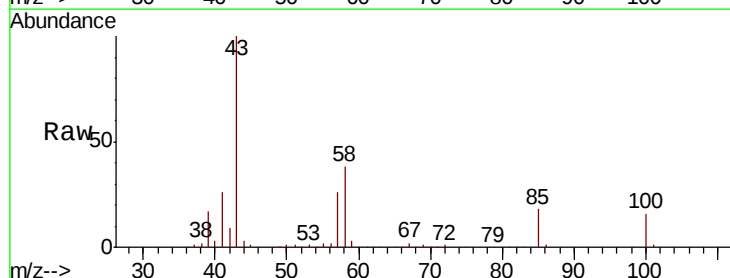
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

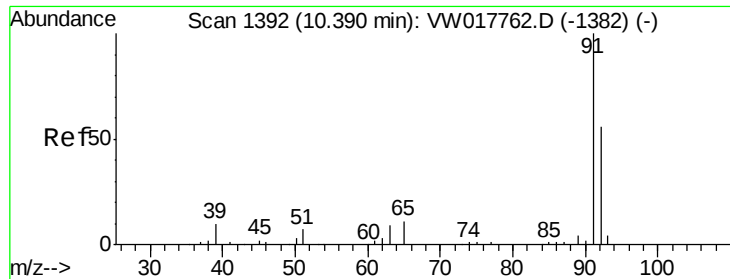
Tot Ion: 75 Resp: 191068
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 57.433 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Tgt Ion: 43 Resp: 151126
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.3 45.5
 100 16.4 12.8 19.2





#42

Toluene

Concen: 26.312 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

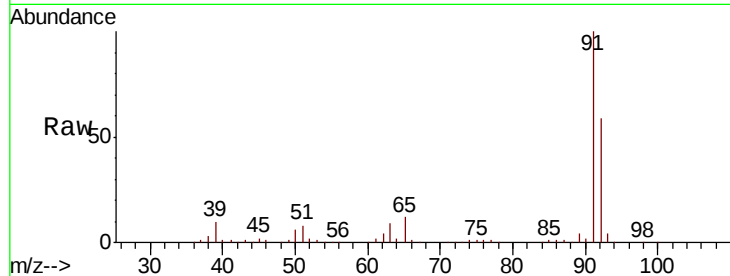
BFB21

Tot Ion: 91 Resp: 531449

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

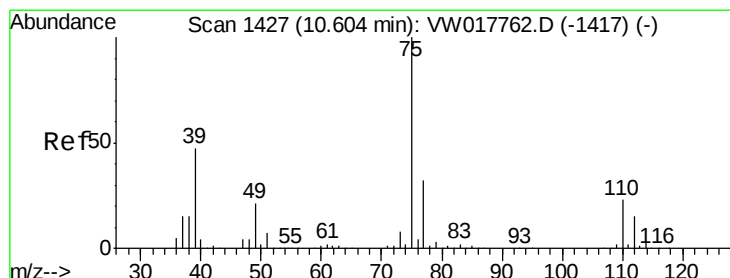
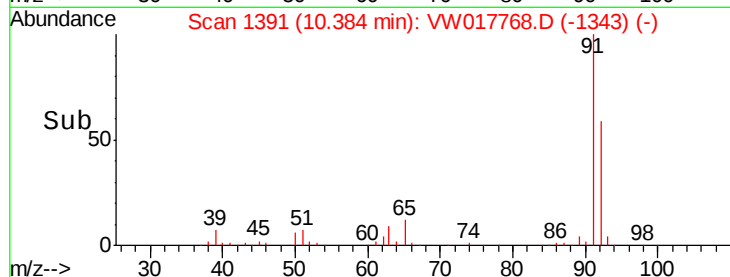
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 26.959 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017768.D

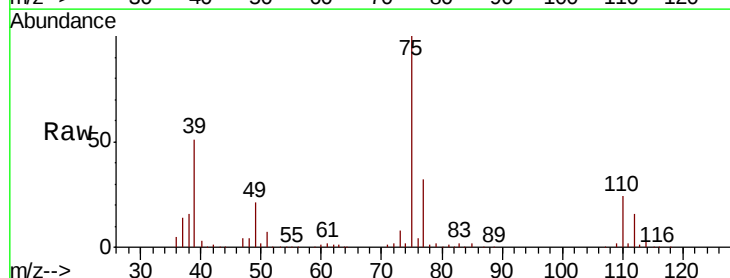
Acq: 29 Dec 2020 09:55

Tgt Ion: 75 Resp: 172949

Ion Ratio Lower Upper

75 100

77 31.8 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

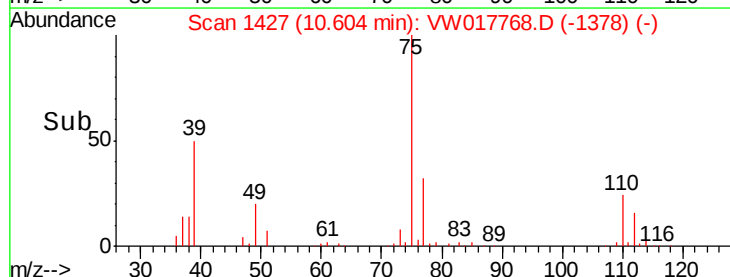
60000

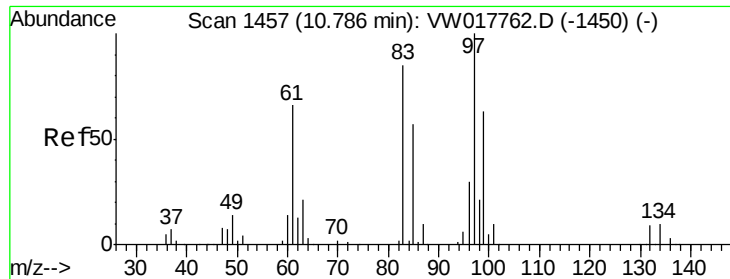
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 27.147 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

BFB21

Tot Ion: 97 Resp: 94582

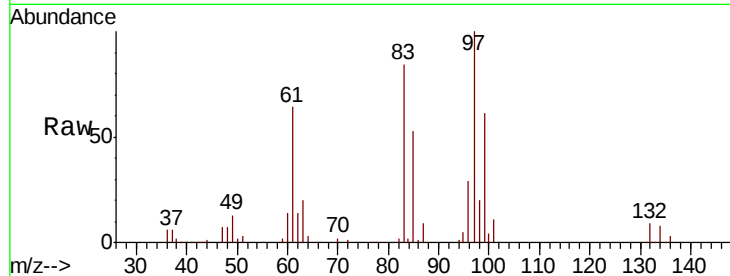
Ion Ratio Lower Upper

97 100

99 60.8 44.0 81.8

83 84.2 59.1 109.9

85 52.6 38.9 72.3



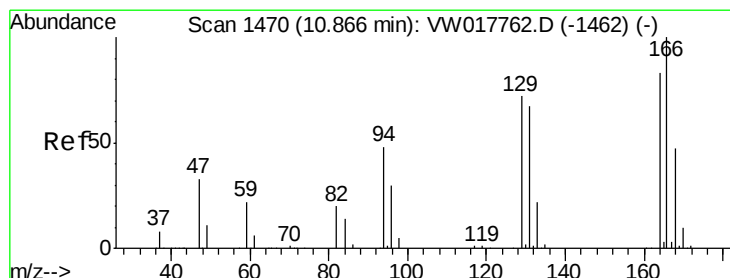
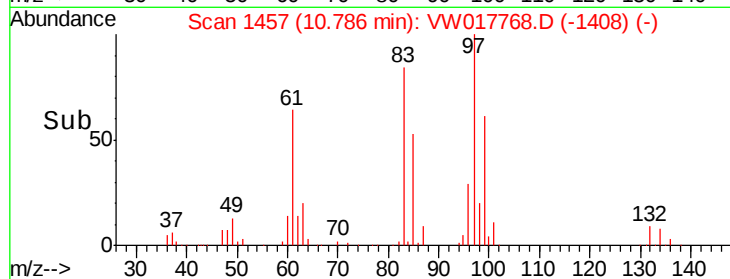
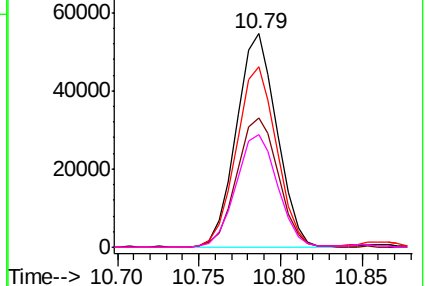
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 25.781 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Tgt Ion: 164 Resp: 96781

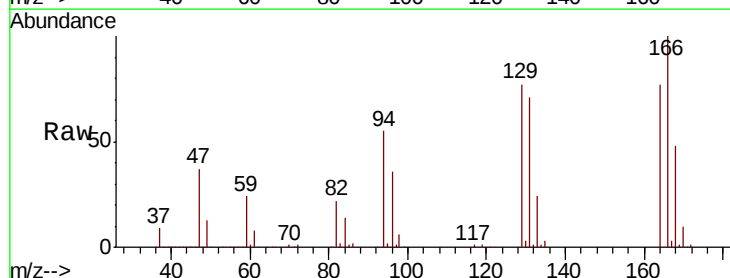
Ion Ratio Lower Upper

164 100

129 99.8 63.3 117.7

131 92.6 63.8 118.6

166 129.9 80.3 149.1



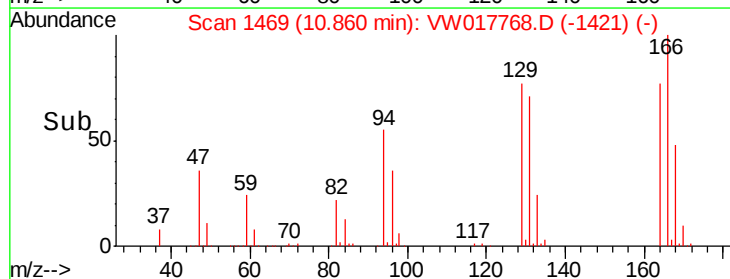
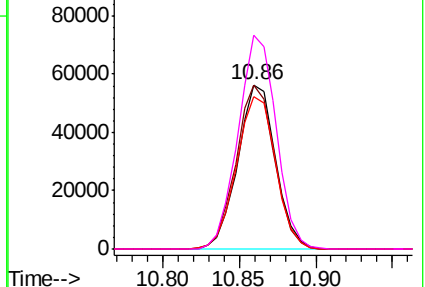
Abundance

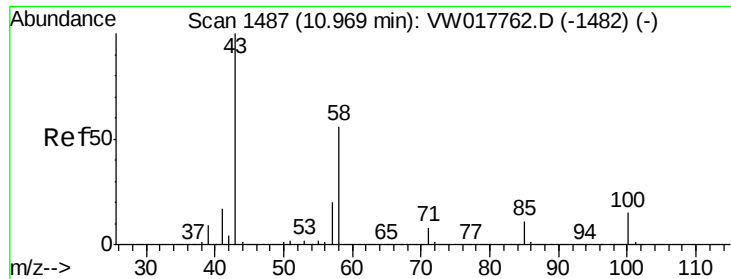
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

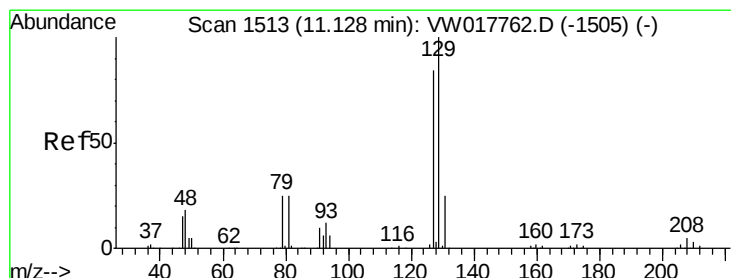
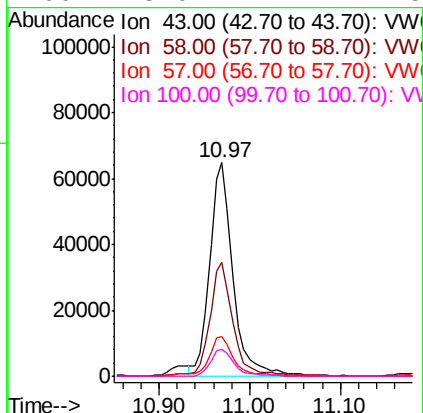
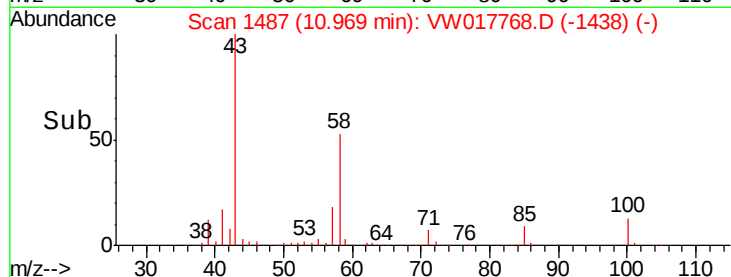
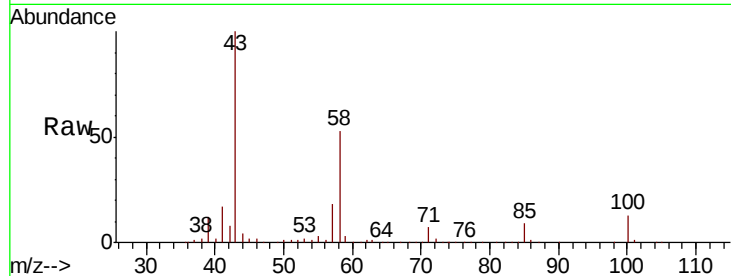




#48
2-Hexanone
Concen: 64.588 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

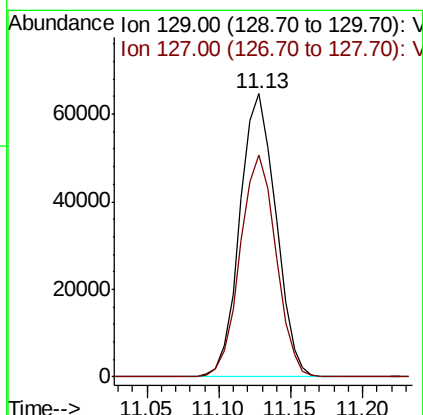
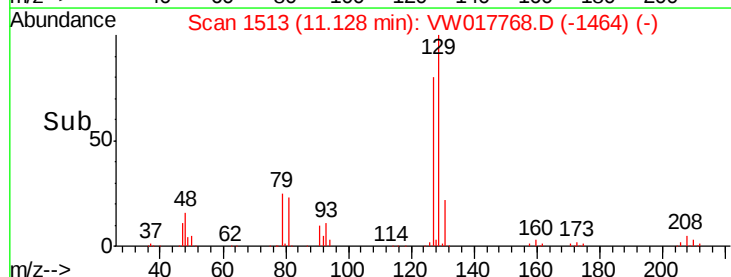
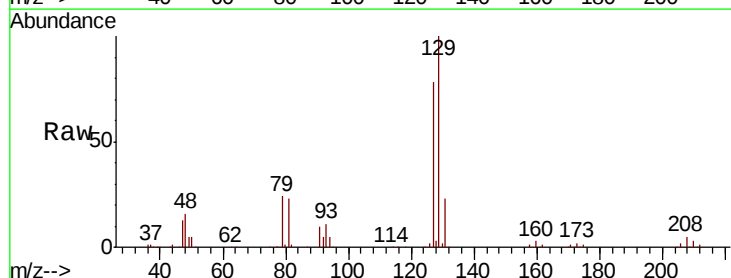
Instrument :
MSVOA_W
ClientSampleId :
BFB21

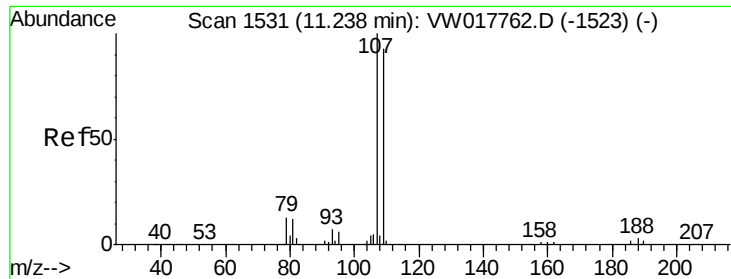
Tot Ion: 43 Resp: 116299
Ion Ratio Lower Upper
43 100
58 47.6 46.8 70.2
57 18.8 14.6 22.0
100 13.0 11.7 17.5



#49
Dibromochloromethane
Concen: 27.011 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 129 Resp: 112186
Ion Ratio Lower Upper
129 100
127 78.3 51.6 95.8

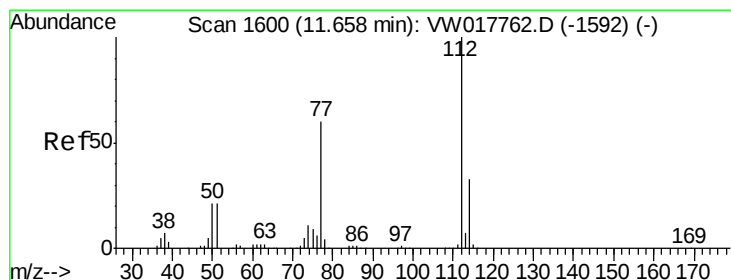
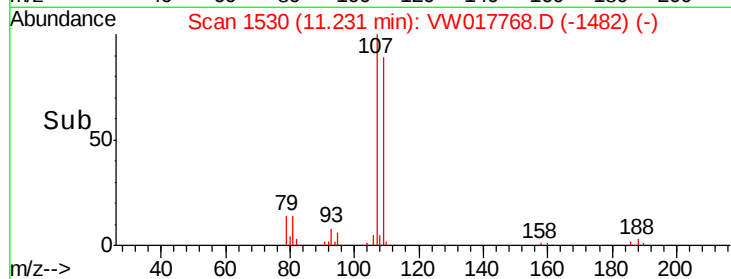
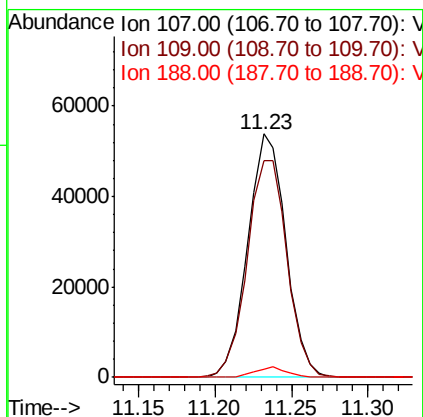
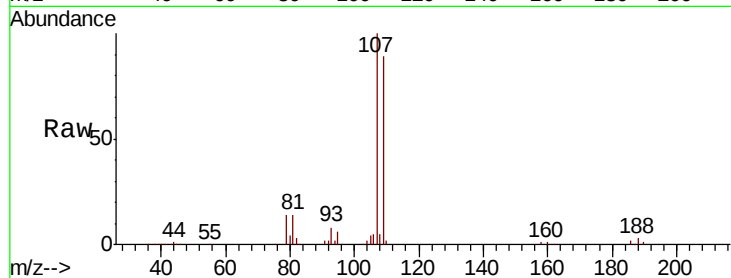




#50
1,2-Dibromoethane
Concen: 27.608 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

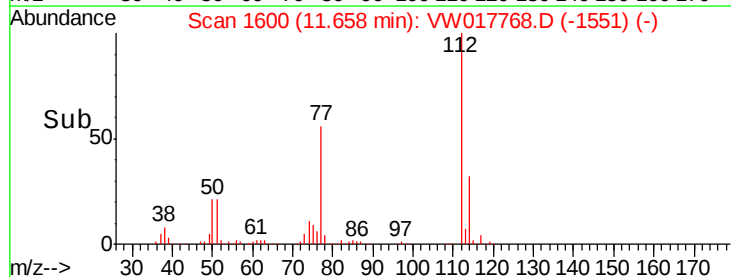
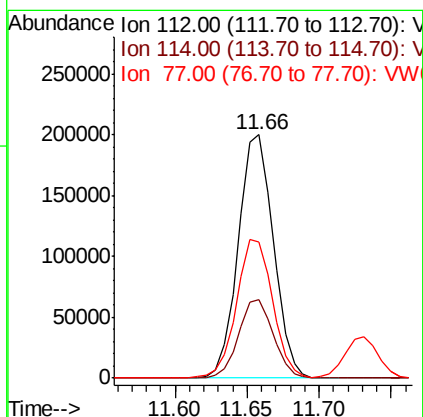
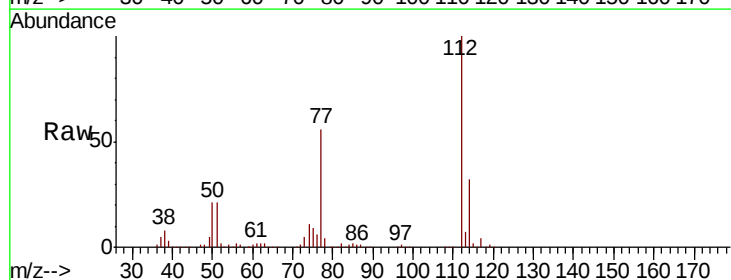
Instrument :
MSVOA_W
ClientSampleId :
BFB21

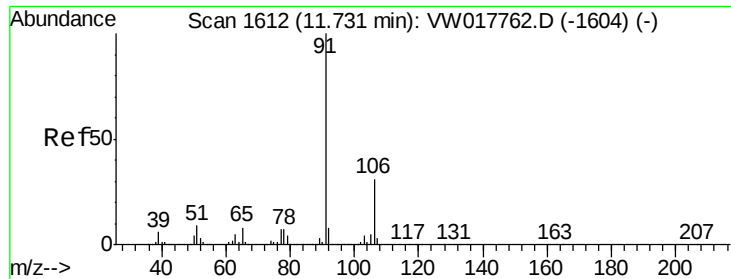
Tot Ion	107	Resp	93587
Ion Ratio	Lower	Upper	
107	100		
109	88.9	69.3	128.7
188	3.3	2.7	4.1



#51
Chlorobenzene
Concen: 26.554 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion	112	Resp	339346
Ion Ratio	Lower	Upper	
112	100		
114	32.3	22.3	41.3
77	55.8	45.8	68.6

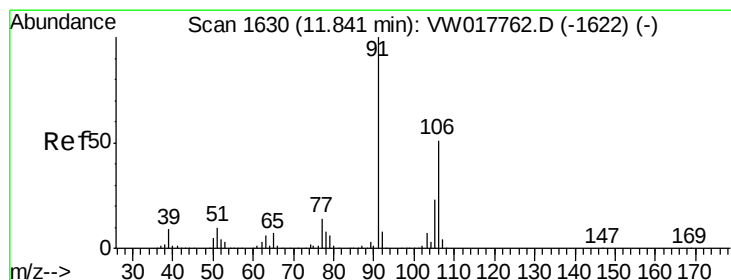
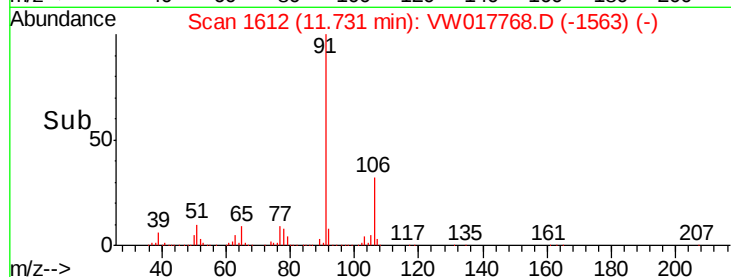
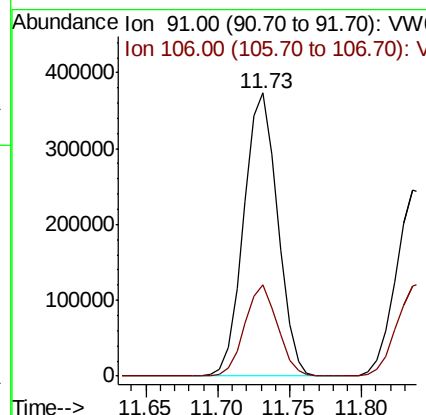
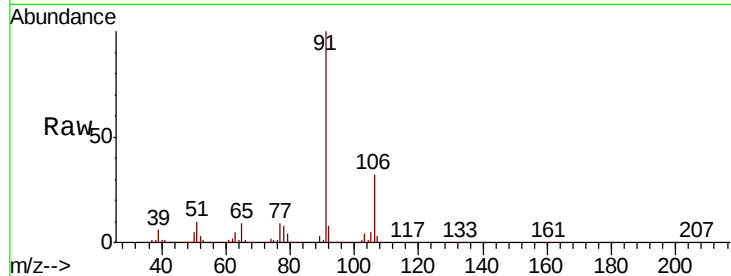




#52
Ethylbenzene
Concen: 26.687 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

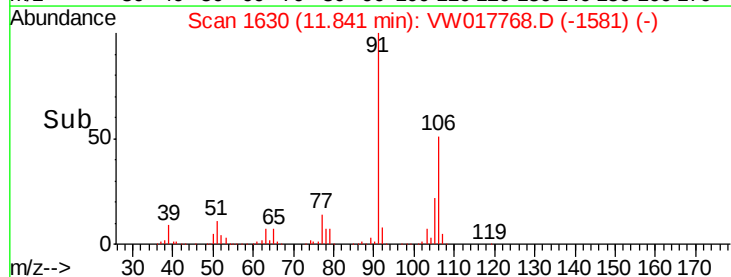
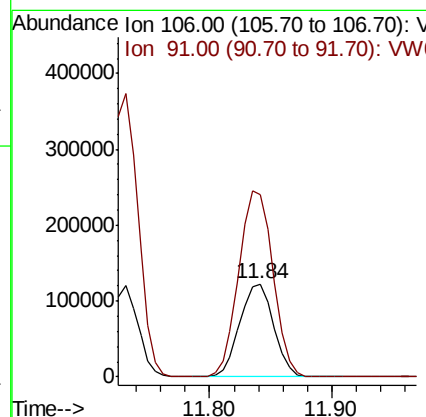
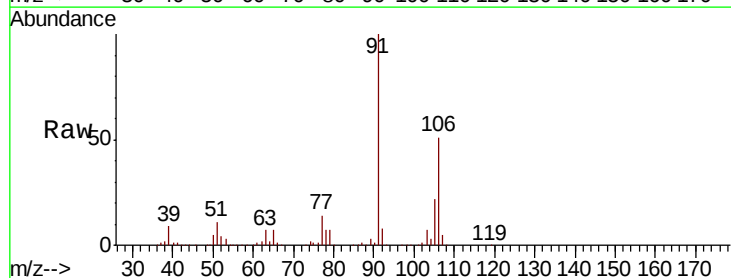
Instrument :
MSVOA_W
ClientSampleId :
BFB21

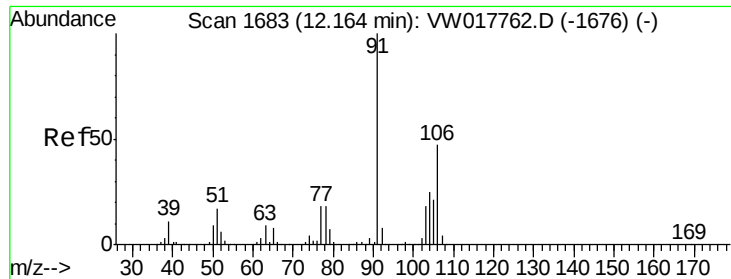
Tot Ion: 91 Resp: 609280
Ion Ratio Lower Upper
91 100
106 32.3 22.7 42.1



#53
m,p-Xylene
Concen: 26.643 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion: 106 Resp: 234861
Ion Ratio Lower Upper
106 100
91 196.5 135.6 251.8

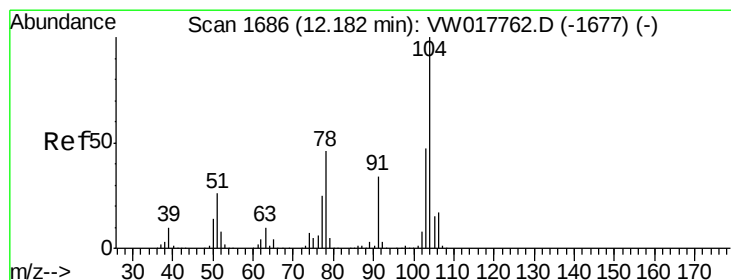
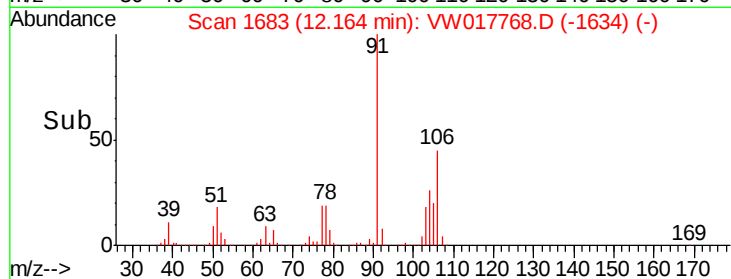
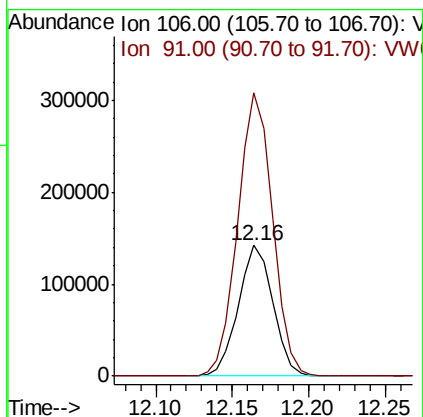
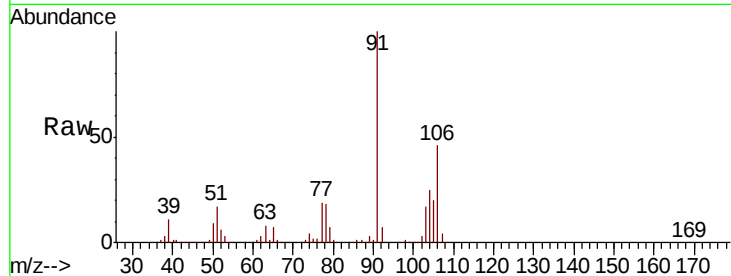




#54
o-Xylene
Concen: 26.591 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

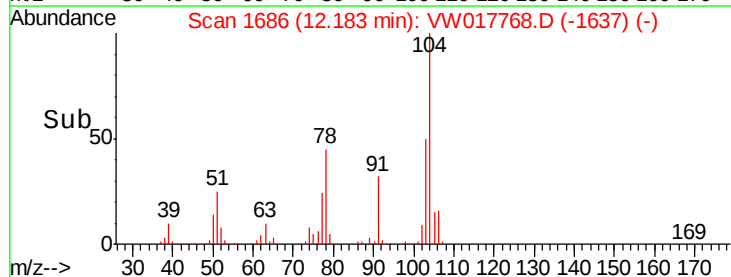
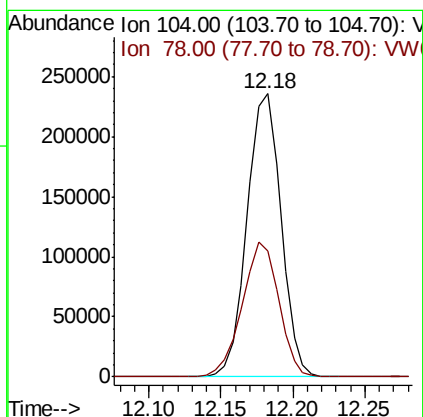
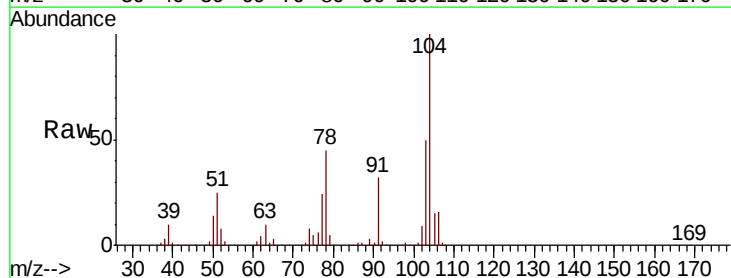
Instrument :
MSVOA_W
ClientSampled :
BFB21

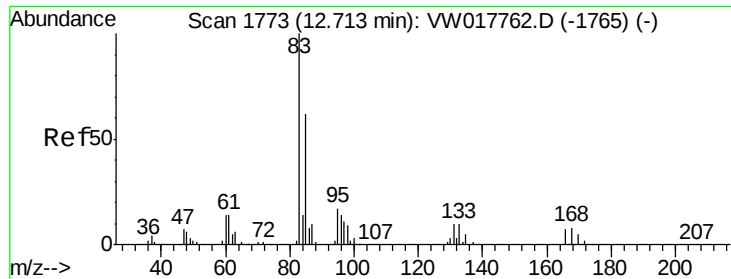
Tot Ion:106 Resp: 223601
Ion Ratio Lower Upper
106 100
91 216.6 152.2 282.6



#55
Styrene
Concen: 26.738 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion:104 Resp: 384912
Ion Ratio Lower Upper
104 100
78 44.6 31.9 59.3

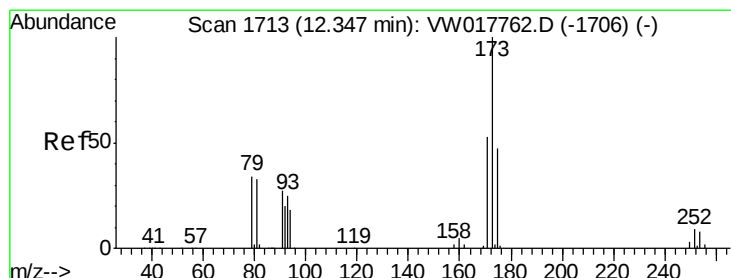
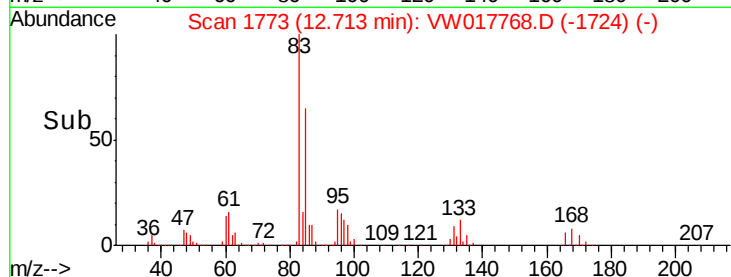
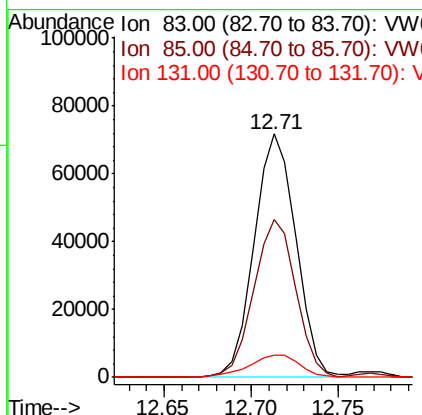
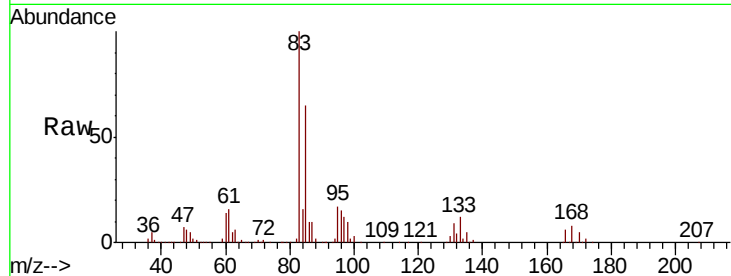




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.415 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

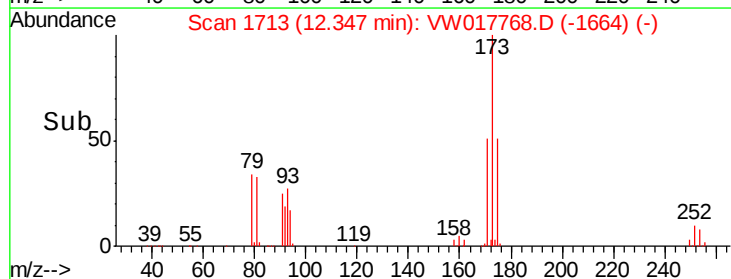
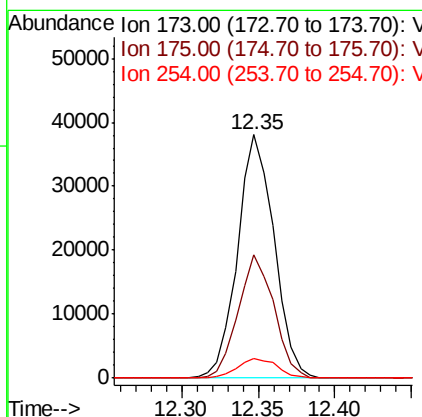
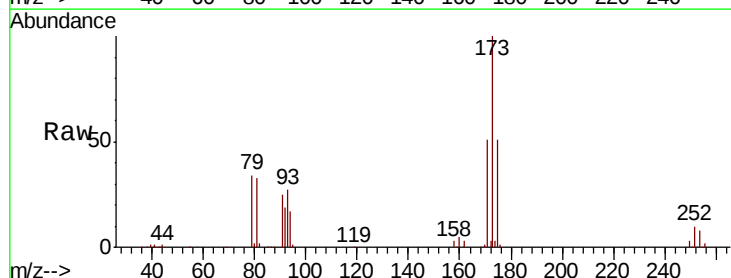
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

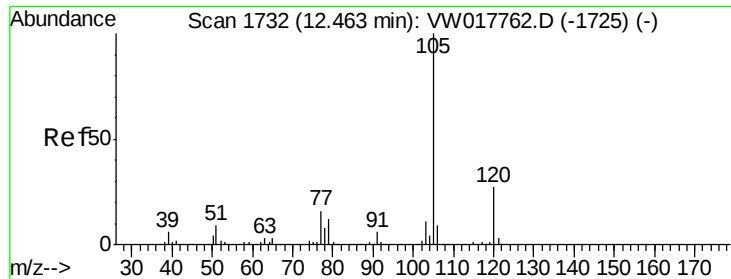
Tot Ion: 83 Resp: 118887
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.5 80.7
 131 9.3 8.2 12.2



#59
 Bromoform
 Concen: 29.361 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Tgt Ion: 173 Resp: 63156
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.0 57.0
 254 8.5 4.8 7.2#





#60

Isopropylbenzene

Concen: 28.545 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

BFB21

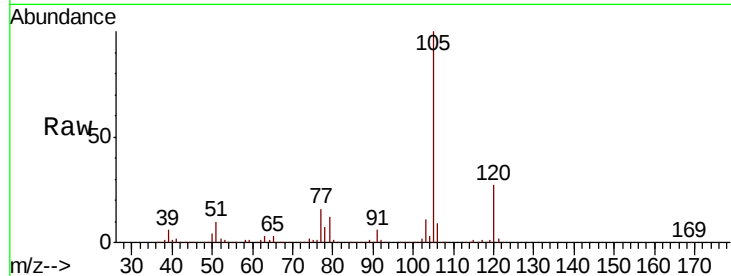
Tot Ion:105 Resp: 618245

Ion Ratio Lower Upper

105 100

120 27.1 21.2 31.8

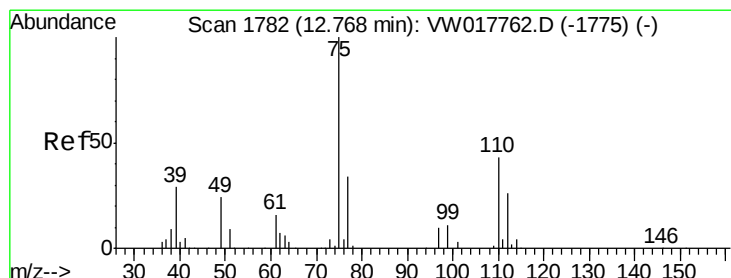
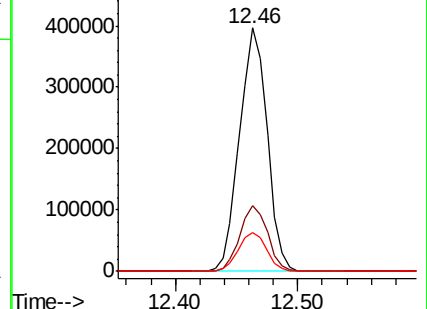
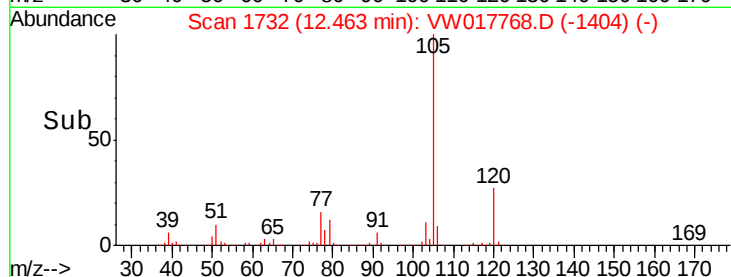
77 16.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 29.633 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

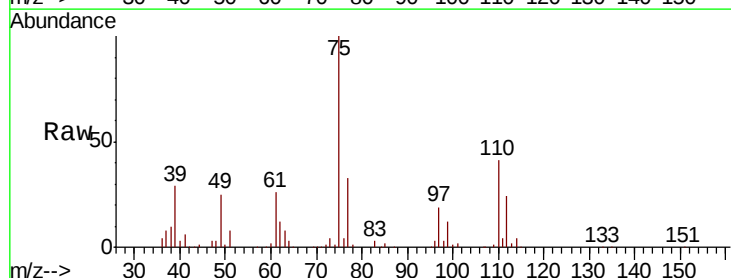
Tgt Ion: 75 Resp: 88770

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

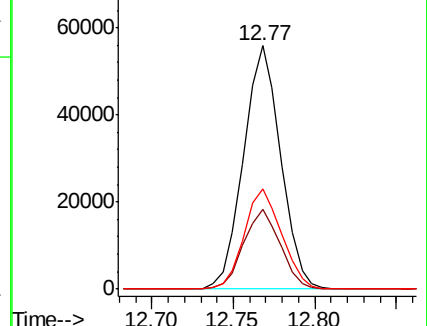
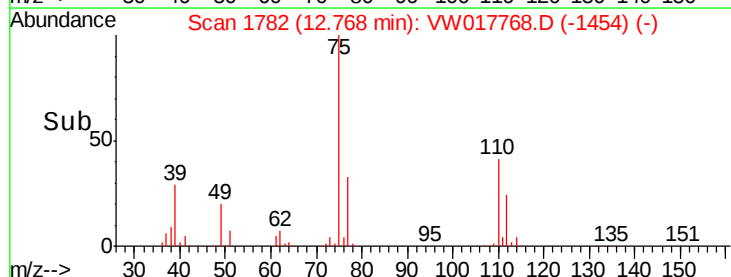
110 41.6 33.0 49.6

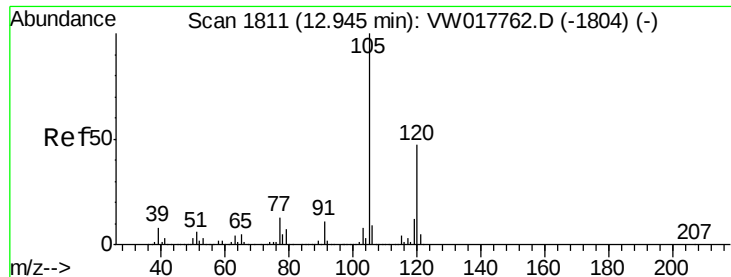


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

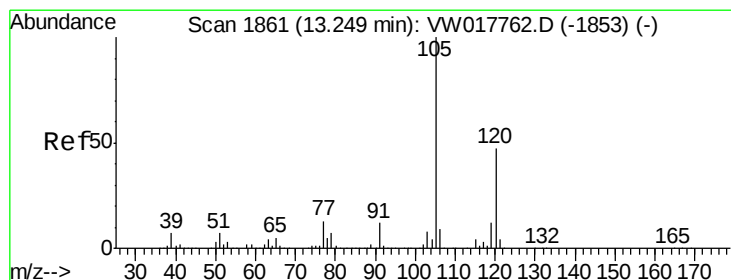
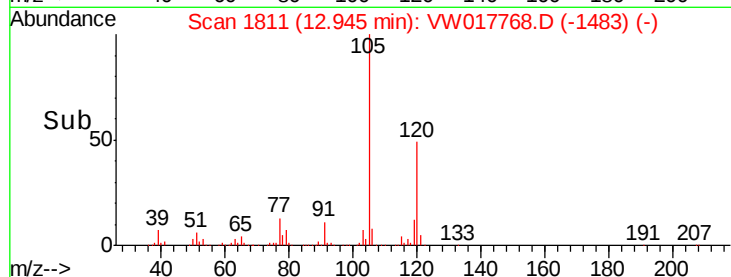
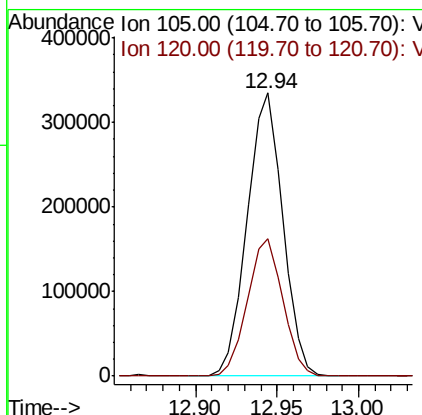
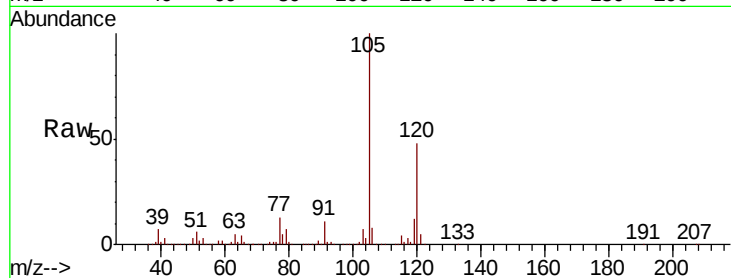




#62
 1,3,5-Trimethylbenzene
 Concen: 28.795 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

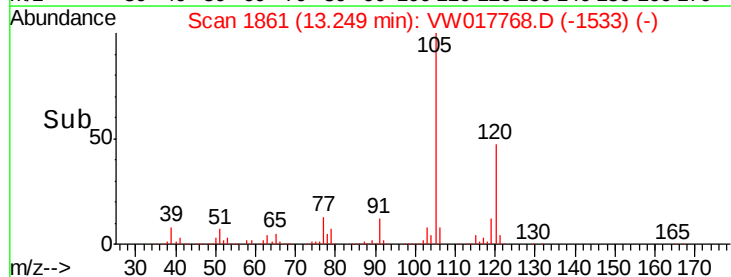
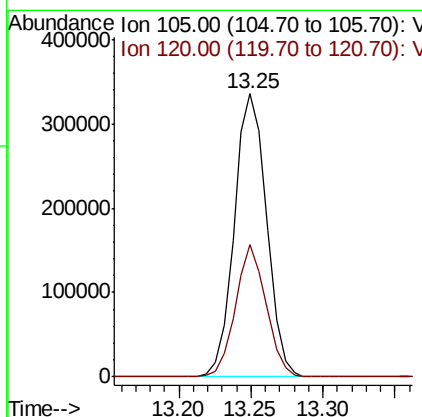
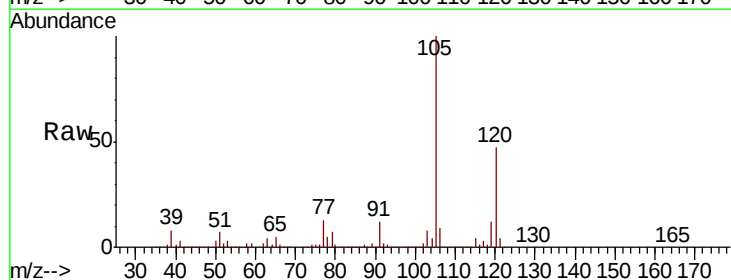
Instrument :
 MSVOA_W
 ClientSampled :
 BFB21

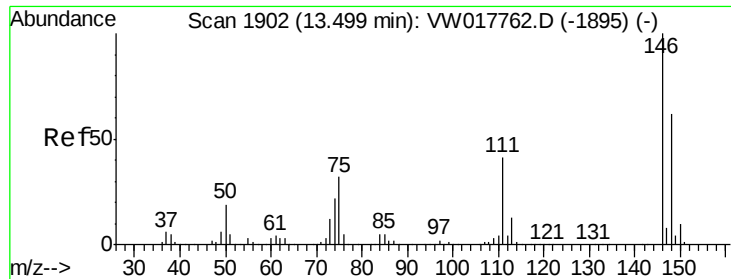
Tot Ion:105 Resp: 510547
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 29.300 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Tgt Ion:105 Resp: 522854
 Ion Ratio Lower Upper
 105 100
 120 44.2 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 28.319 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

BFB21

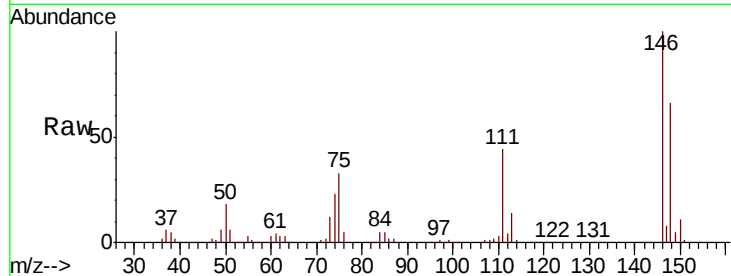
Tot Ion:146 Resp: 265919

Ion Ratio Lower Upper

146 100

111 43.7 28.8 53.6

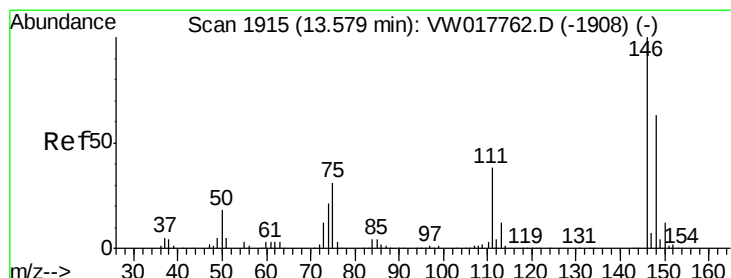
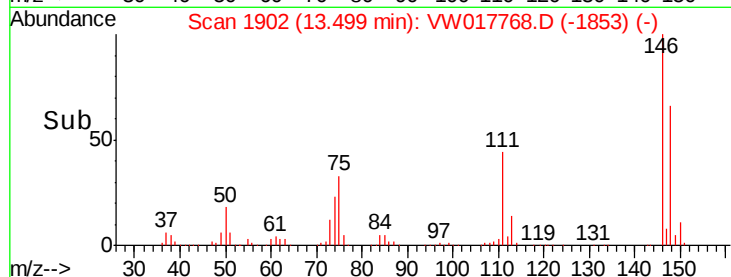
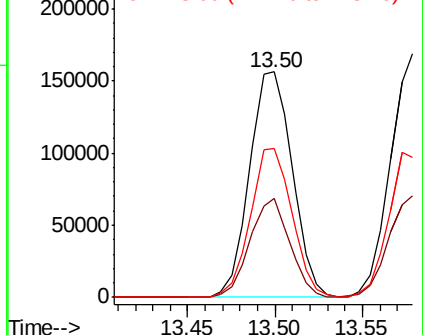
148 66.1 43.0 80.0



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



#65

1,4-Dichlorobenzene

Concen: 28.261 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017768.D

Acq: 29 Dec 2020 09:55

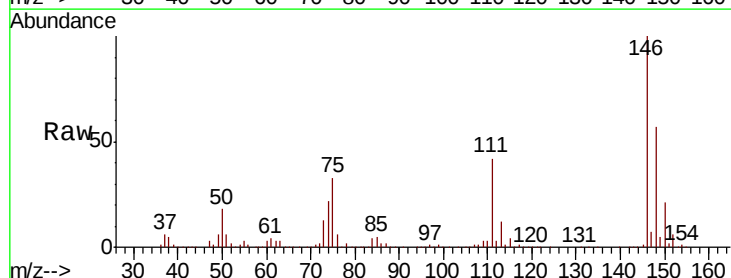
Tgt Ion:146 Resp: 264974

Ion Ratio Lower Upper

146 100

111 41.6 27.6 51.2

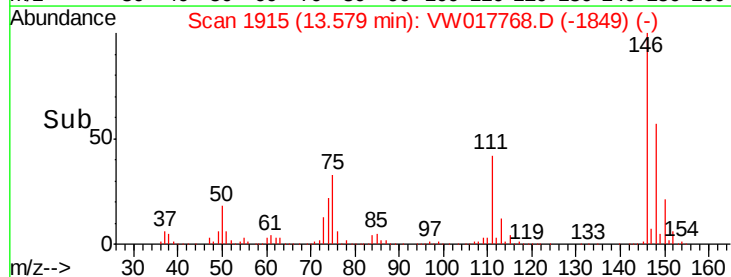
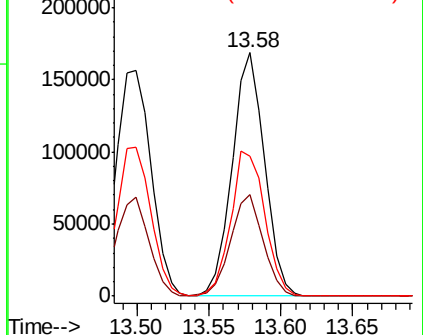
148 57.5 42.4 78.6

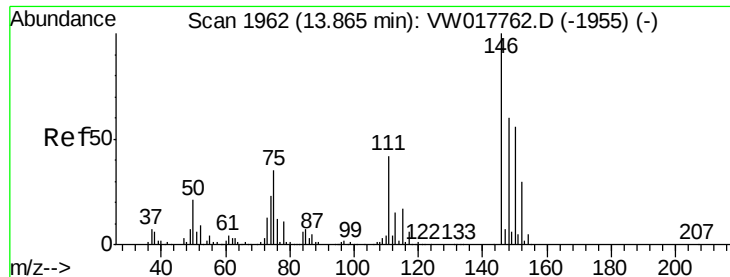


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

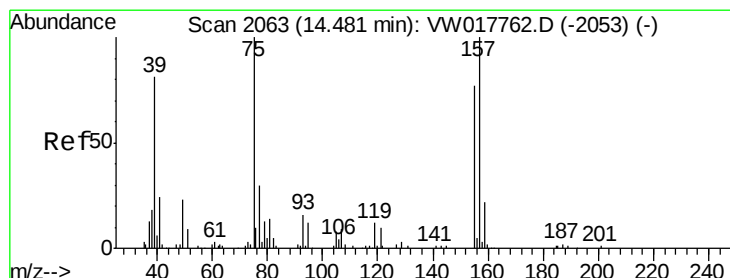
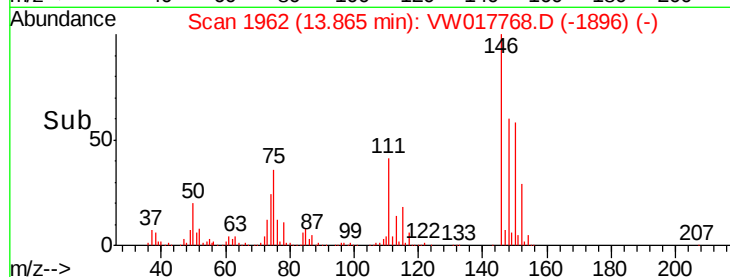
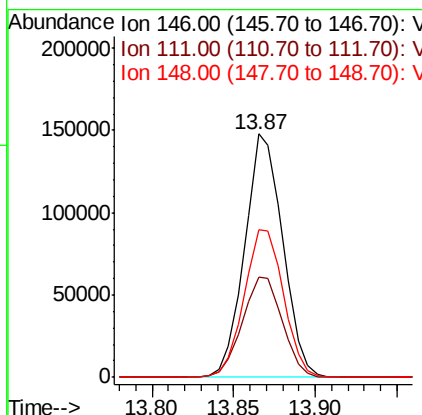
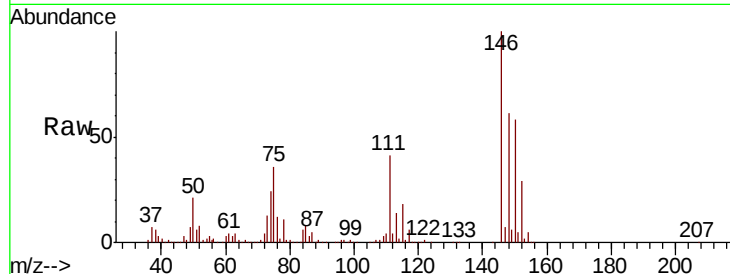




#67
 1,2-Dichlorobenzene
 Concen: 28.044 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

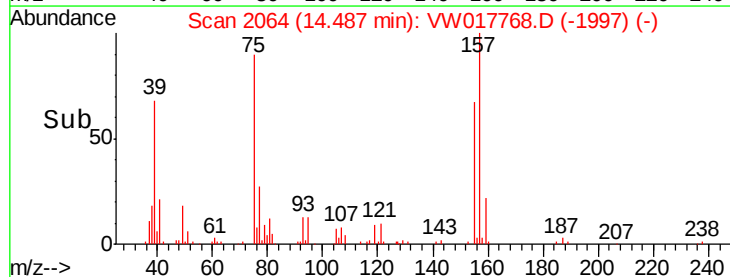
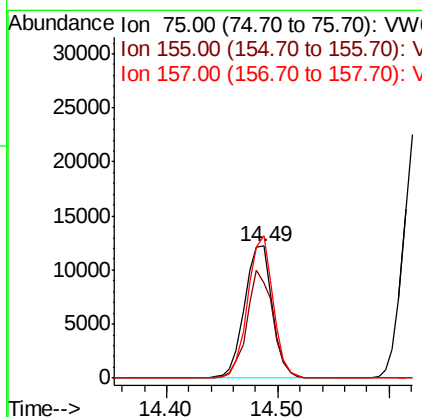
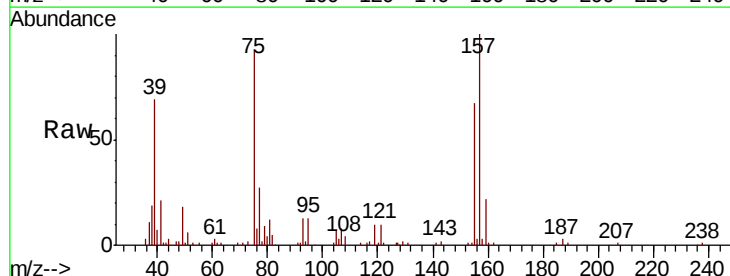
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB21

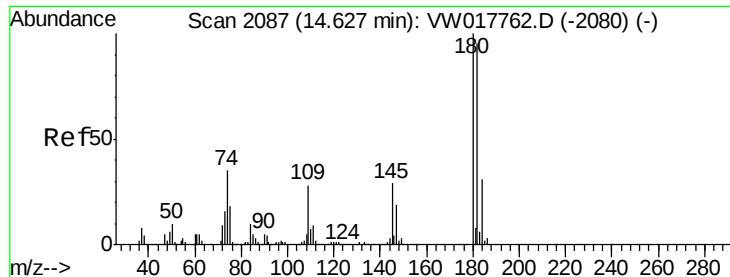
Tot Ion:146 Resp: 240579
 Ion Ratio Lower Upper
 146 100
 111 41.3 30.6 45.8
 148 60.5 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 30.953 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Tgt Ion: 75 Resp: 21172
 Ion Ratio Lower Upper
 75 100
 155 72.1 54.9 82.3
 157 107.8 70.4 105.6#

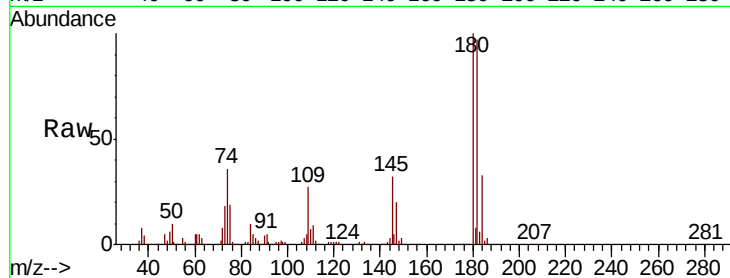




#69
 1,3,5-Trichlorobenzene
 Concen: 28.401 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Instrument :
 MSVOA_W
 ClientSampled :
 BFB21

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	31.7	24.2	36.4
145	32.0	25.6	38.4



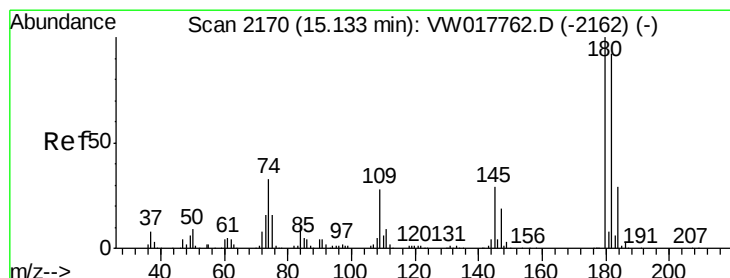
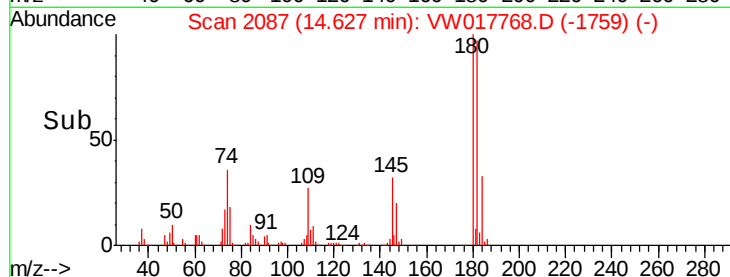
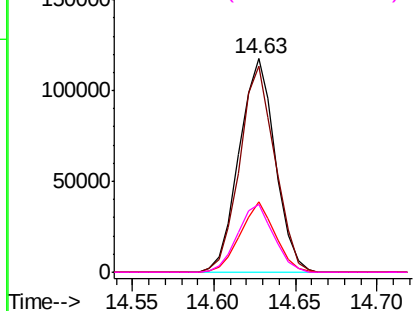
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

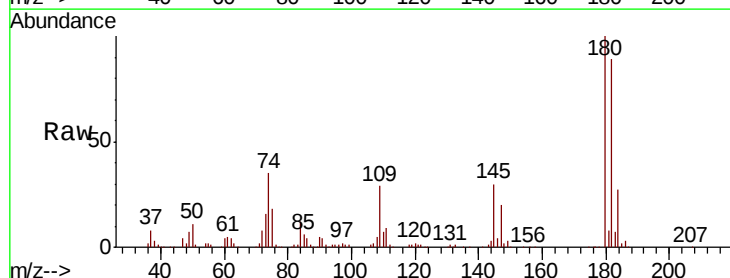
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 28.503 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017768.D
 Acq: 29 Dec 2020 09:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	72.3	108.5
145	31.6	25.6	38.4

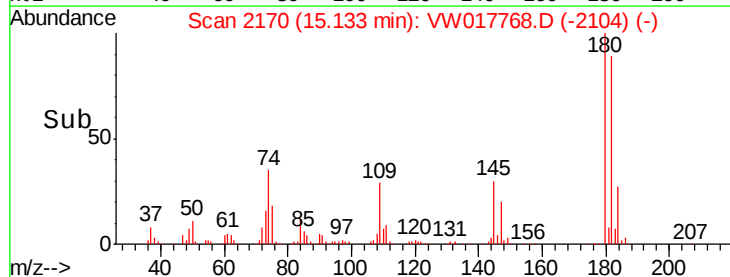
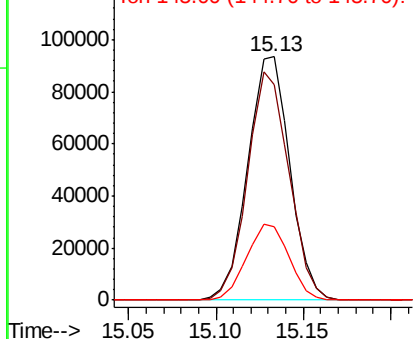


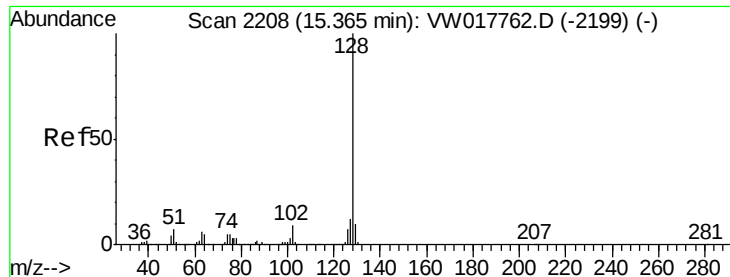
Abundance

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

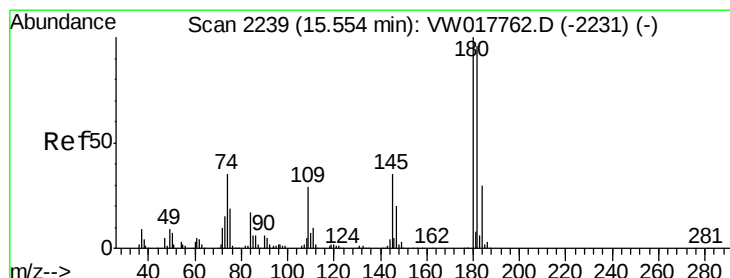
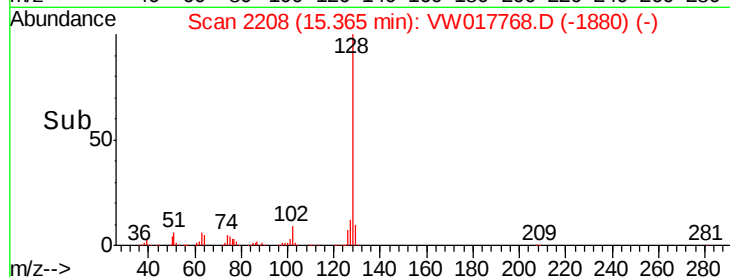
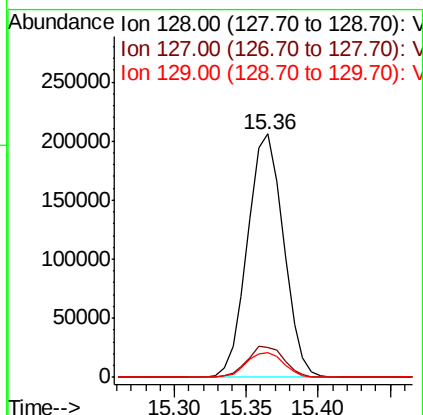
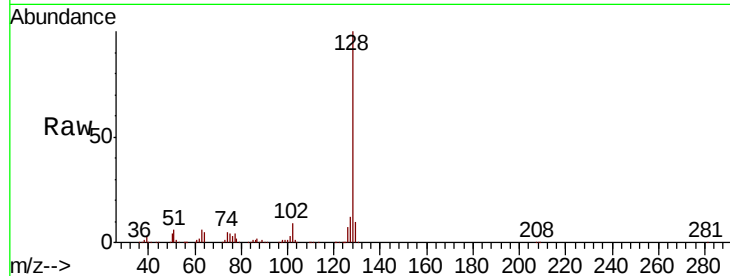




#71
Naphthalene
Concen: 30.206 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Instrument :
MSVOA_W
ClientSampled :
BFB21

Tot Ion:128 Resp: 357124
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 27.531 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017768.D
Acq: 29 Dec 2020 09:55

Tgt Ion:180 Resp: 134201
Ion Ratio Lower Upper
180 100
182 96.2 74.5 111.7
145 34.9 27.1 40.7

