

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013860.D
 Acq On : 25 May 2023 09:14
 Operator : KP/MD
 Sample : BFB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: May 26 04:32:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.807	168	224	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.703	114	651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	1237	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	1091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	284	109.591	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 219.180%#	
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	= 0.000%#	
50) Toluene-d8	10.185	98	774	48.439	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	12.489	95	154829	29150.545	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 58301.100%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	221	107.709	ug/l	# 41
3) Chloromethane	2.125	50	533	213.228	ug/l	94
4) Vinyl Chloride	2.253	62	164	64.156	ug/l	# 44
5) Bromomethane	2.680	94	117	57.596	ug/l	# 62
6) Chloroethane	2.564	64	24	14.408	ug/l	# 1
7) Trichlorofluoromethane	3.143	101	182	42.304	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.747	101	20	8.575	ug/l	# 16
10) Methyl Iodide	4.107	142	84	30.338	ug/l	# 38
12) 1,1-Dichloroethene	3.826	96	25	11.410	ug/l	# 1
13) Acrolein	3.741	56	18	60.278	ug/l	# 15
14) Allyl chloride	4.552	41	22	5.500	ug/l	# 29
15) Acrylonitrile	5.210	53	22	32.516	ug/l	# 17
16) Acetone	3.985	43	1187	1543.276	ug/l	92
17) Carbon Disulfide	4.204	76	60	9.174	ug/l	# 74
18) Methyl Acetate	4.418	43	21	7.870	ug/l	# 54
19) Methyl tert-butyl Ether	5.289	73	29	4.850	ug/l	# 54
20) Methylene Chloride	4.735	84	12391	4784.073	ug/l	89
21) trans-1,2-Dichloroethene	5.241	96	29	12.176	ug/l	# 1
23) Vinyl Acetate	6.125	43	25	5.558	ug/l	# 74
25) 2-Butanone	6.996	43	112	119.335	ug/l	# 49
29) Tetrahydrofuran	7.380	42	76	135.630	ug/l	# 58
30) Chloroform	7.508	83	248	54.252	ug/l	92
31) Cyclohexane	7.953	56	34	8.539	ug/l	# 17
37) Ethyl Acetate	7.063	43	75	19.201	ug/l	# 71
39) Methylcyclohexane	9.356	83	25	3.334	ug/l	# 18
40) Benzene	8.179	78	102	5.546	ug/l	# 51
41) Methacrylonitrile	7.386	41	31	14.546	ug/l	# 1
43) Isopropyl Acetate	8.295	43	18	2.529	ug/l	# 55
47) Bromodichloromethane	9.356	83	25	3.802	ug/l	# 25
48) Methyl methacrylate	9.252	41	19	5.685	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.051	43	53	13.972	ug/l	# 38
52) Toluene	10.252	92	177	15.784	ug/l	# 67
53) t-1,3-Dichloropropene	10.575	75	118	17.628	ug/l	# 44
55) 1,1,2-Trichloroethane	10.593	97	71	19.558	ug/l	# 13
58) 2-Chloroethyl Vinyl ether	9.831	63	18	11.641	ug/l	# 48
59) 2-Hexanone	10.874	43	28	10.377	ug/l	# 28

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

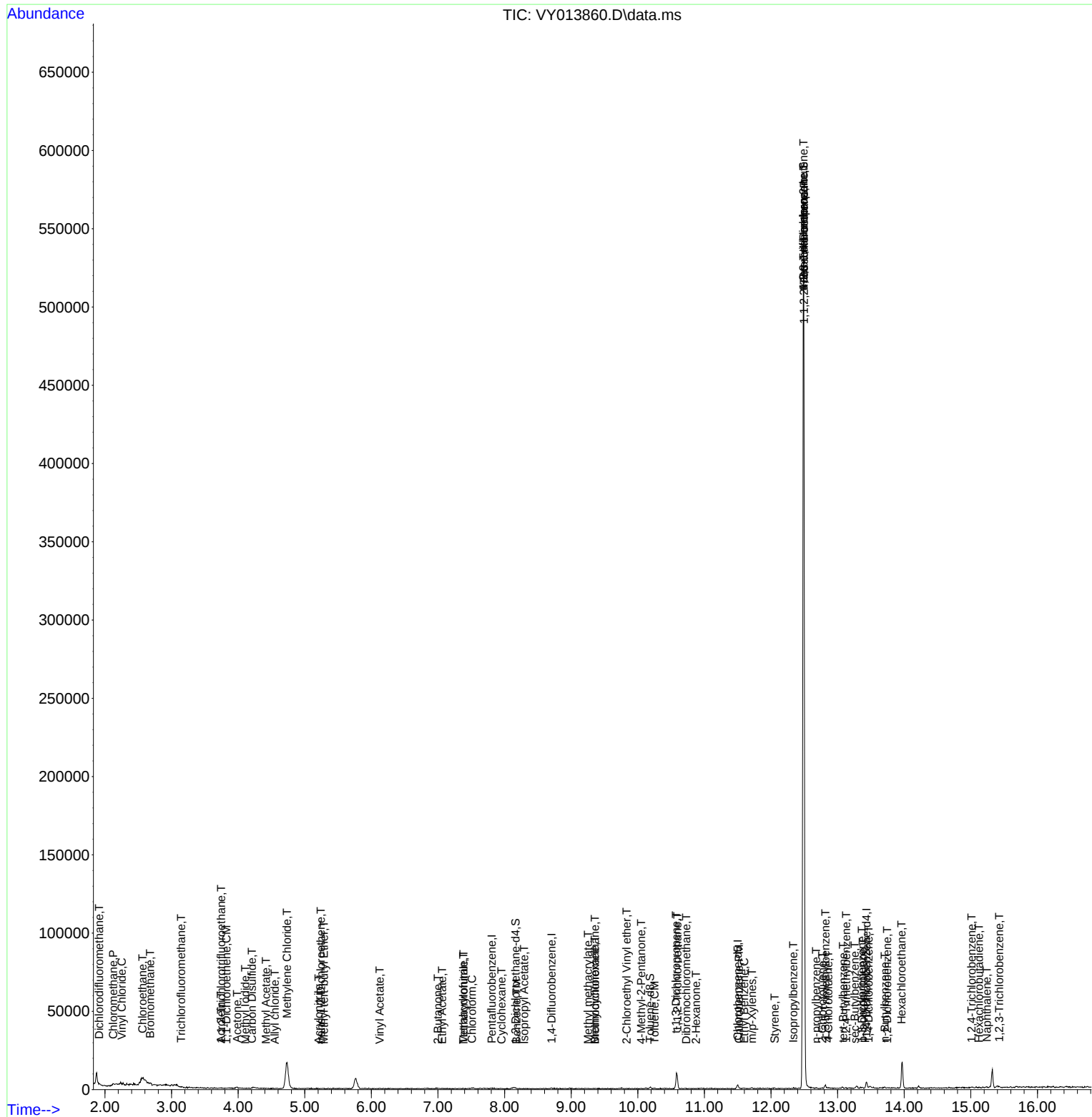
60) Dibromochloromethane	10.727	129	46	10.017	ug/l #	11
65) Chlorobenzene	11.520	112	117	4.513	ug/l #	42
67) Ethyl Benzene	11.599	91	124	2.658	ug/l #	44
68) m/p-Xylenes	11.715	106	208	11.780	ug/l	76
70) Styrene	12.056	104	199	7.064	ug/l #	64
73) Isopropylbenzene	12.337	105	170	2.094	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.495	83	209	12.433	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	81552	6339.380	ug/l #	100
78) n-propylbenzene	12.678	91	322	3.210	ug/l #	53
79) 2-Chlorotoluene	12.770	91	177	3.159	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.818	105	106	1.581	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.489	75	81552	13760.799	ug/l #	10
82) 4-Chlorotoluene	12.861	91	161	2.780	ug/l #	61
83) tert-Butylbenzene	13.081	119	137	2.347	ug/l	67
84) 1,2,4-Trimethylbenzene	13.129	105	223	3.389	ug/l	85
85) sec-Butylbenzene	13.257	105	302	3.482	ug/l #	56
86) p-Isopropyltoluene	13.379	119	230	3.209	ug/l #	67
87) 1,3-Dichlorobenzene	13.367	146	119	3.092	ug/l #	71
88) 1,4-Dichlorobenzene	13.465	146	360	9.396	ug/l #	25
89) n-Butylbenzene	13.709	91	256	3.724	ug/l	88
90) Hexachloroethane	13.958	117	30	2.039	ug/l #	7
91) 1,2-Dichlorobenzene	13.745	146	148	4.327	ug/l #	39
93) 1,2,4-Trichlorobenzene	15.013	180	184	8.678	ug/l #	58
94) Hexachlorobutadiene	15.123	225	90	6.732	ug/l #	39
95) Naphthalene	15.239	128	593	16.126	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.428	180	184	9.759	ug/l	68

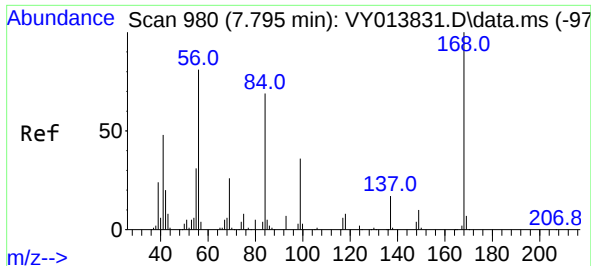
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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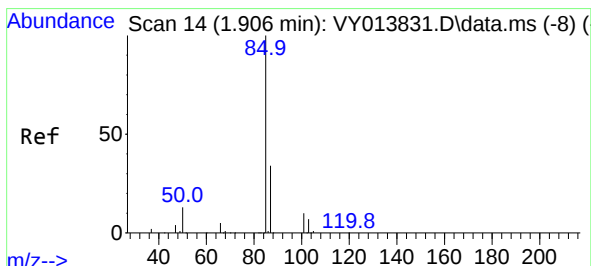
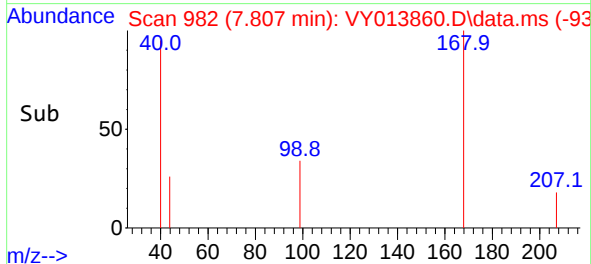
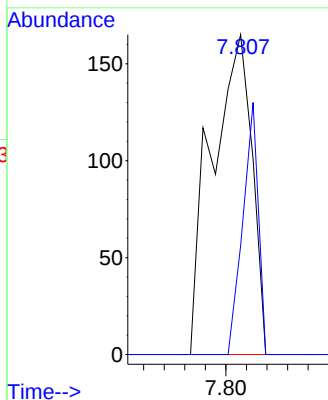
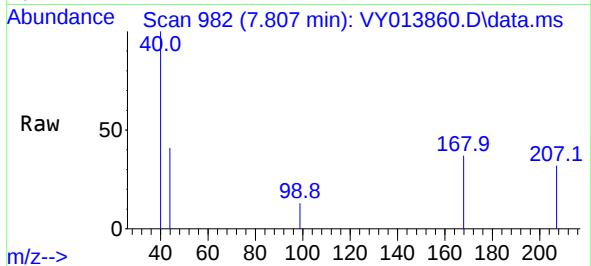




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

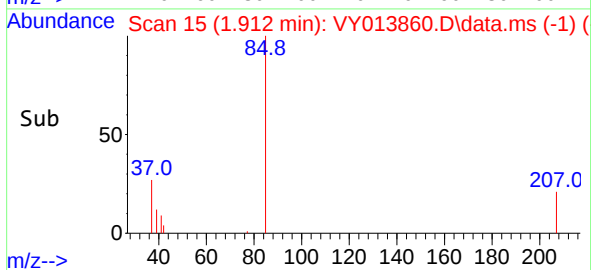
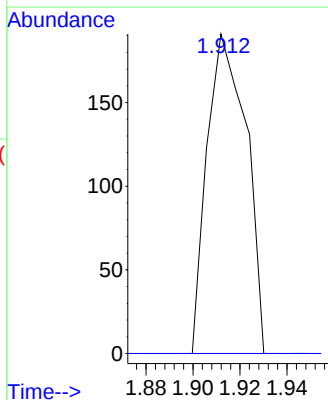
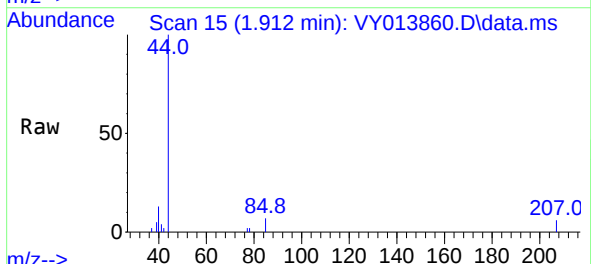
Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion:168 Resp: 224
Ion Ratio Lower Upper
168 100
99 33.9 43.4 65.2#

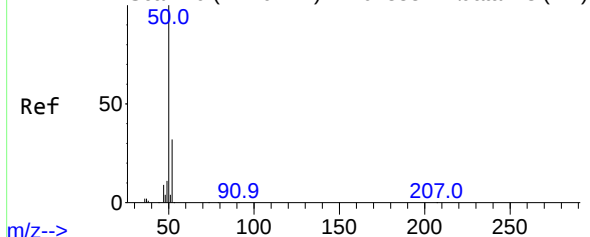


#2
Dichlorodifluoromethane
Concen: 107.709 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 85 Resp: 221
Ion Ratio Lower Upper
85 100
87 0.0 16.9 50.7#



Abundance Scan 49 (2.119 min): VY013831.D\data.ms (-42)



#3

Chloromethane

Concen: 213.228 ug/l

RT: 2.125 min Scan# 50

Delta R.T. 0.006 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

Instrument :

MSVOA_Y

ClientSampleId :

BFB

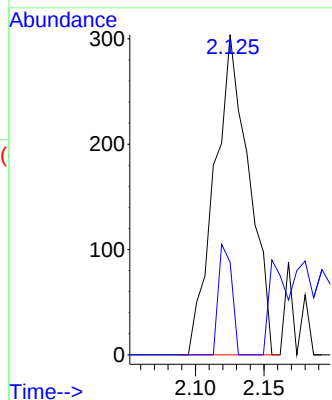
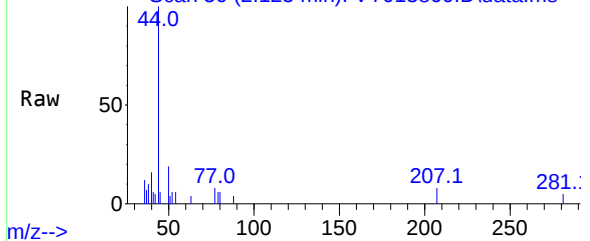
Tgt Ion: 50 Resp: 533

Ion Ratio Lower Upper

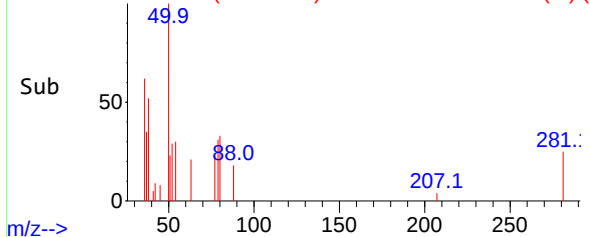
50 100

52 28.9 25.7 38.5

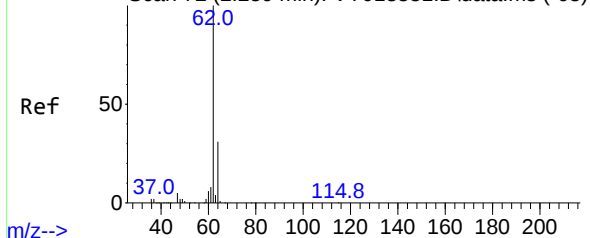
Abundance Scan 50 (2.125 min): VY013860.D\data.ms



Abundance Scan 50 (2.125 min): VY013860.D\data.ms (-1)



Abundance Scan 72 (2.259 min): VY013831.D\data.ms (-63)



#4

Vinyl Chloride

Concen: 64.156 ug/l

RT: 2.253 min Scan# 71

Delta R.T. -0.006 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

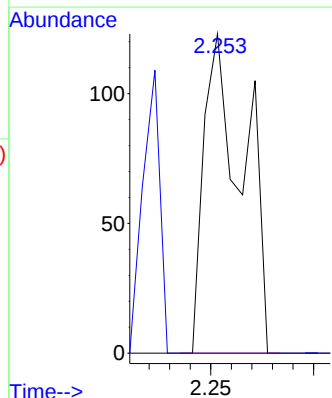
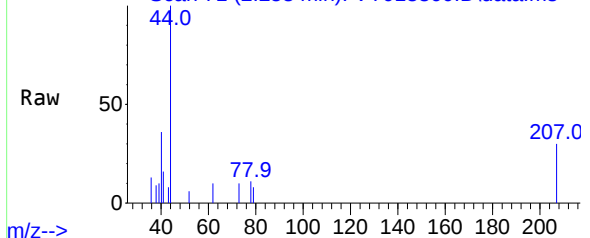
Tgt Ion: 62 Resp: 164

Ion Ratio Lower Upper

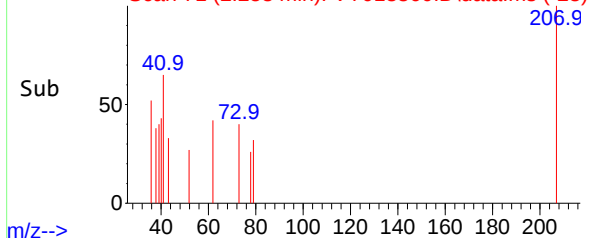
62 100

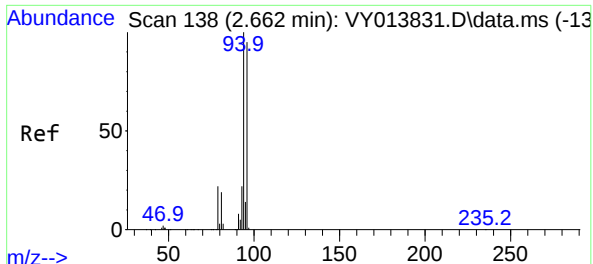
64 0.0 24.8 37.2#

Abundance Scan 71 (2.253 min): VY013860.D\data.ms



Abundance Scan 71 (2.253 min): VY013860.D\data.ms (-23)

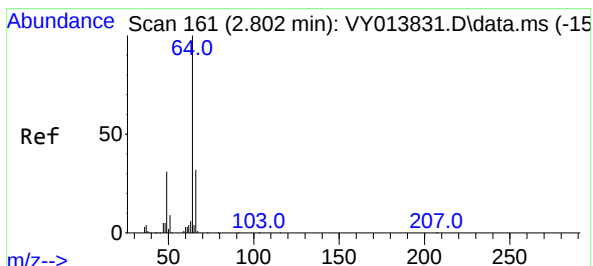
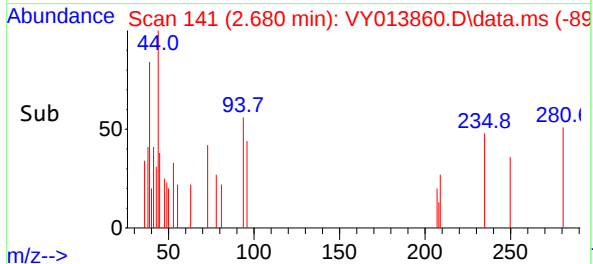
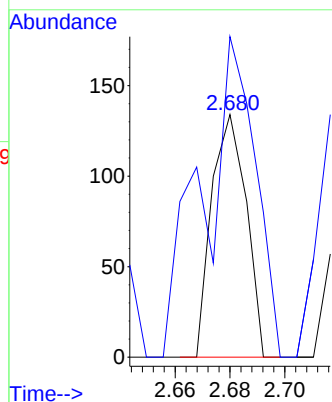
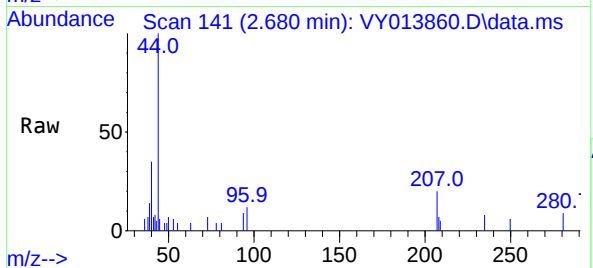




#5
Bromomethane
Concen: 57.596 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.018 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

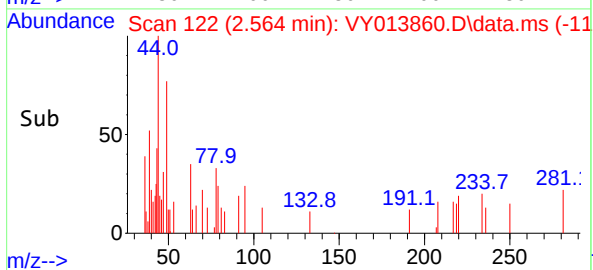
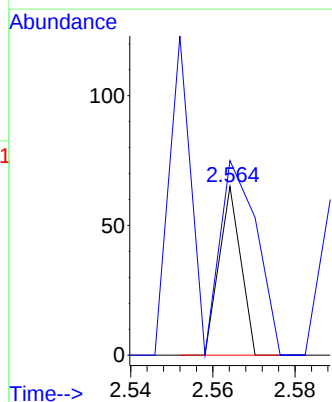
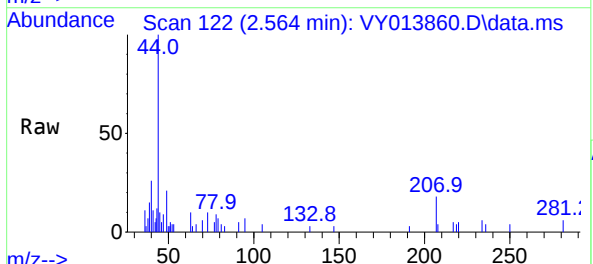
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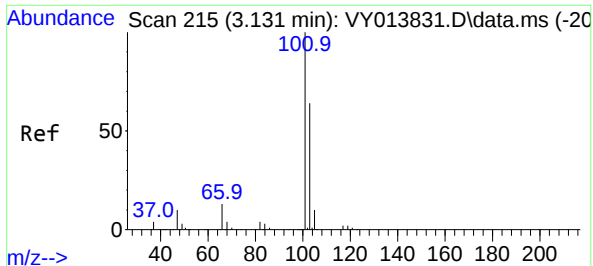
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 132.1 76.2 114.2#



#6
Chloroethane
Concen: 14.408 ug/l
RT: 2.564 min Scan# 122
Delta R.T. -0.238 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 115.4 25.7 38.5#

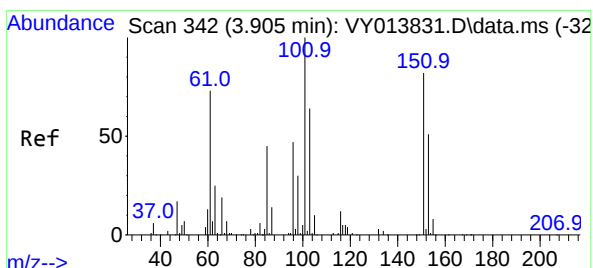
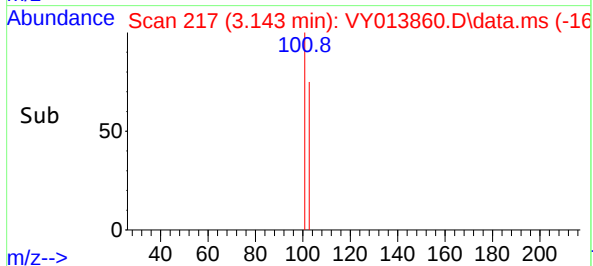
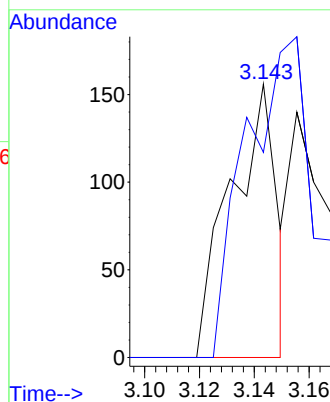
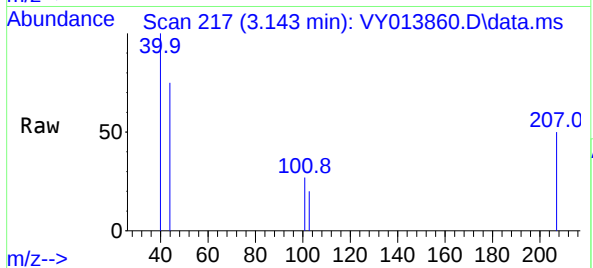




#7
Trichlorofluoromethane
Concen: 42.304 ug/l
RT: 3.143 min Scan# 215
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

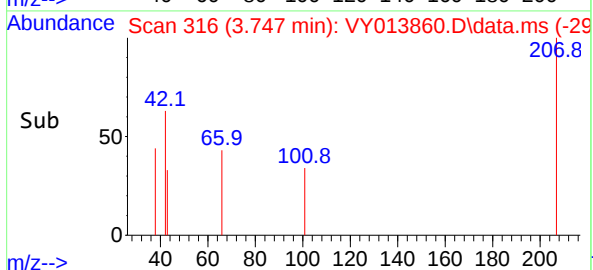
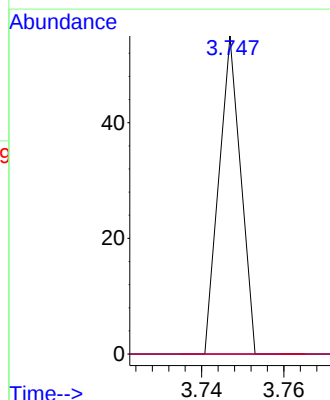
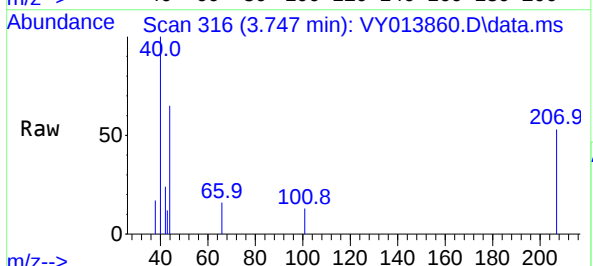
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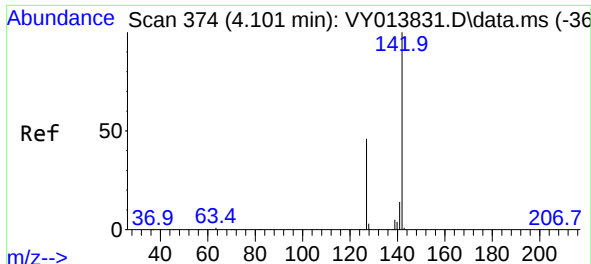
Tgt Ion:101 Resp: 182
Ion Ratio Lower Upper
101 100
103 75.0 51.3 76.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.575 ug/l
RT: 3.747 min Scan# 316
Delta R.T. -0.159 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:101 Resp: 20
Ion Ratio Lower Upper
101 100
85 0.0 37.4 56.2#
151 0.0 66.6 100.0#

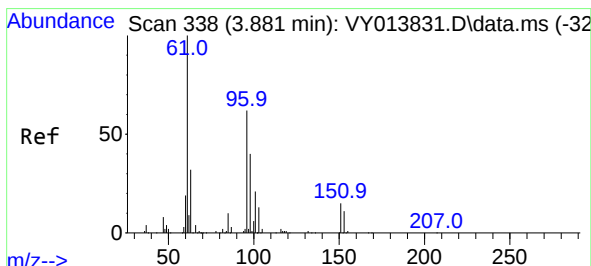
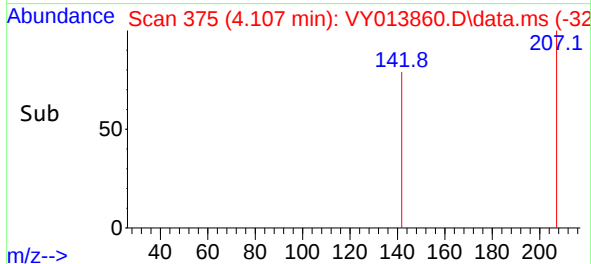
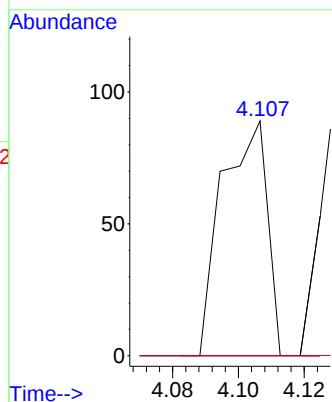
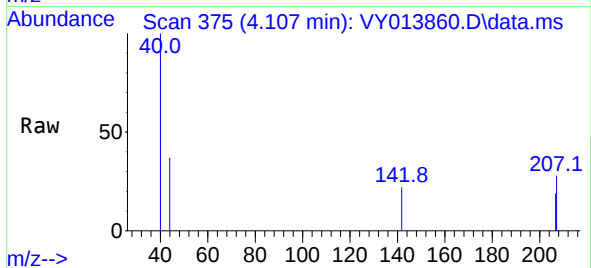




#10
Methyl Iodide
Concen: 30.338 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

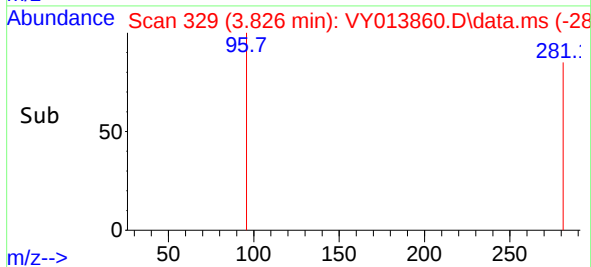
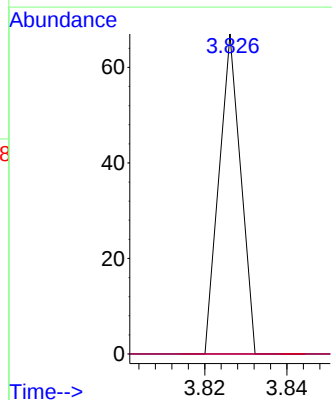
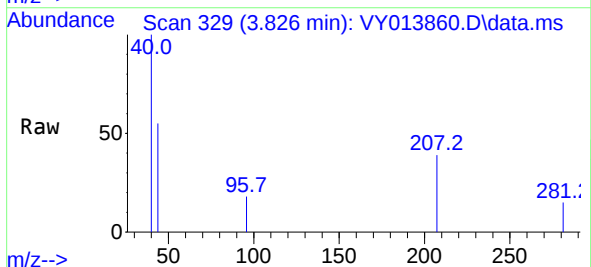
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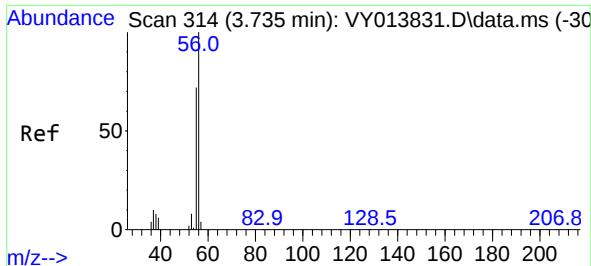
Tgt Ion:142 Resp: 84
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 11.8 17.6#



#12
1,1-Dichloroethene
Concen: 11.410 ug/l
RT: 3.826 min Scan# 329
Delta R.T. -0.055 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 96 Resp: 25
Ion Ratio Lower Upper
96 100
61 0.0 129.0 193.4#
98 0.0 52.0 78.0#

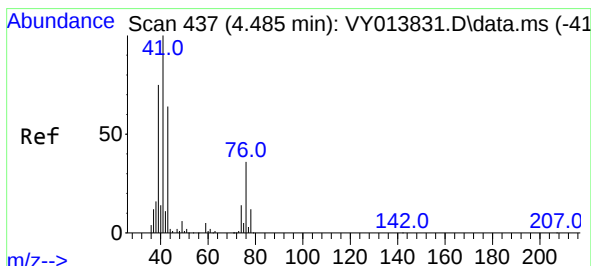
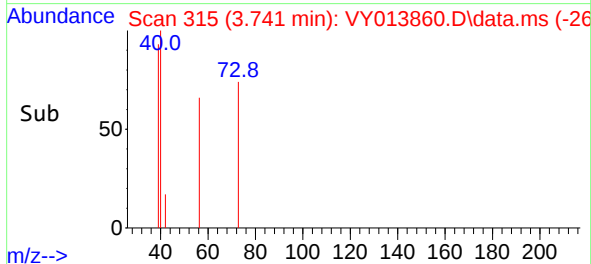
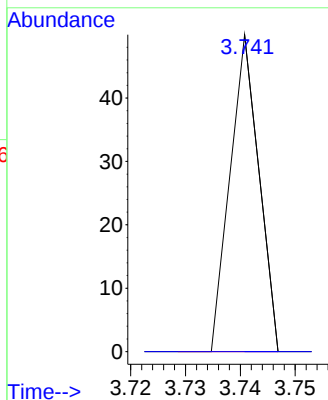
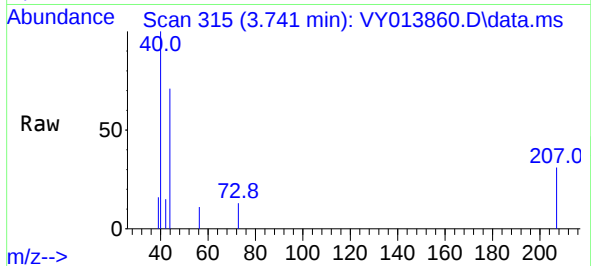




#13
Acrolein
Concen: 60.278 ug/l
RT: 3.741 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

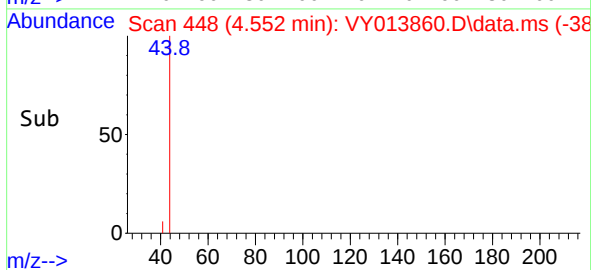
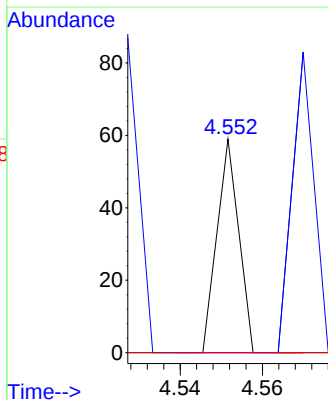
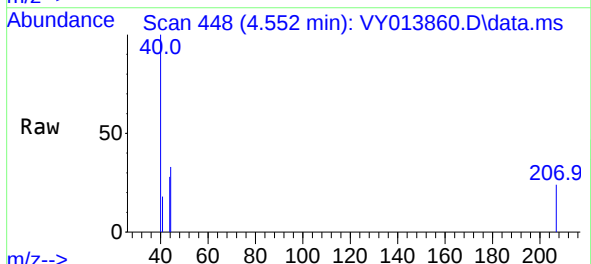
Instrument :
MSVOA_Y
ClientSampleId :
BFB

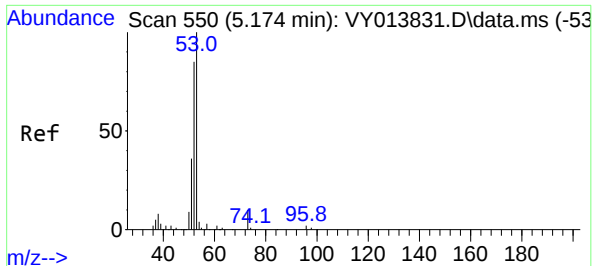
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#14
Allyl chloride
Concen: 5.500 ug/l
RT: 4.552 min Scan# 448
Delta R.T. 0.067 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 41 Resp: 22
Ion Ratio Lower Upper
41 100
39 136.4 58.3 87.5#
76 0.0 28.0 42.0#





#15

Acrylonitrile

Concen: 32.516 ug/l

RT: 5.210 min Scan# 51

Delta R.T. 0.037 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

Instrument :

MSVOA_Y

ClientSampleId :

BFB

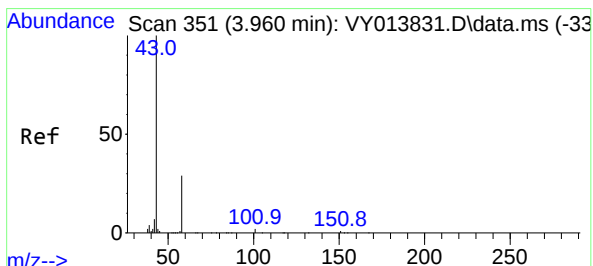
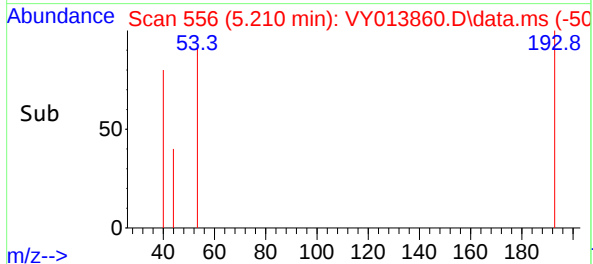
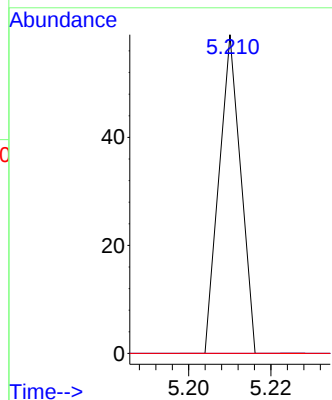
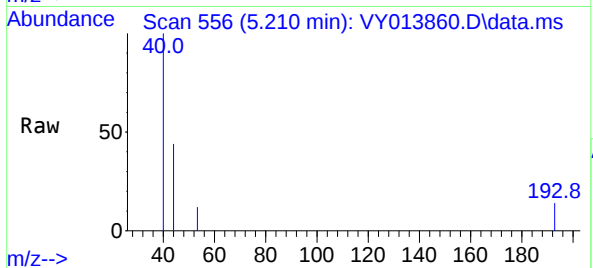
Tgt Ion: 53 Resp: 22

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 0.0 30.2 45.2#



#16

Acetone

Concen: 1543.276 ug/l

RT: 3.985 min Scan# 355

Delta R.T. 0.024 min

Lab File: VY013860.D

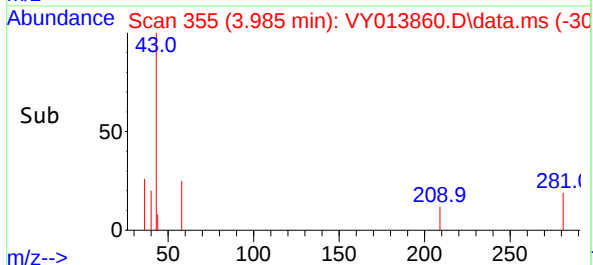
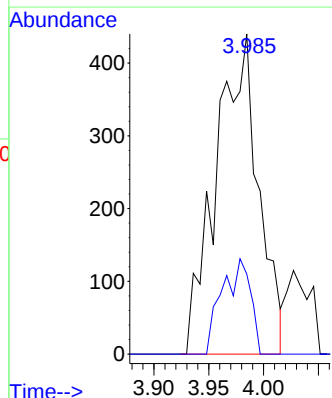
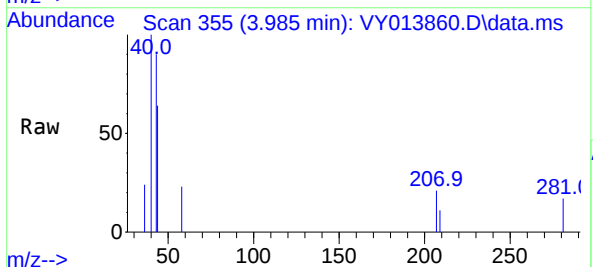
Acq: 25 May 2023 09:14

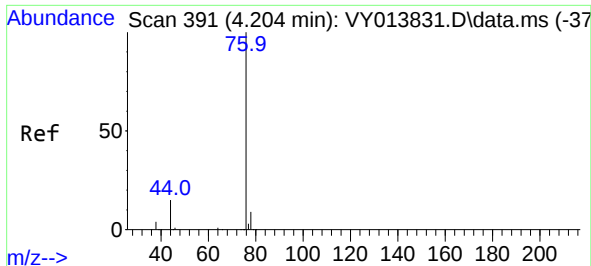
Tgt Ion: 43 Resp: 1187

Ion Ratio Lower Upper

43 100

58 25.0 23.3 34.9

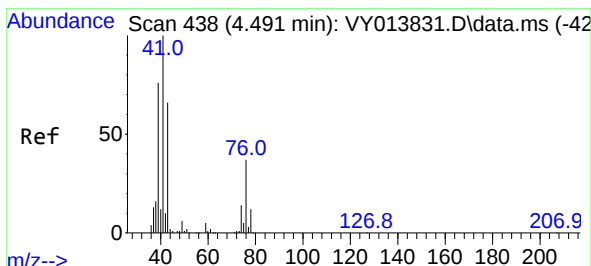
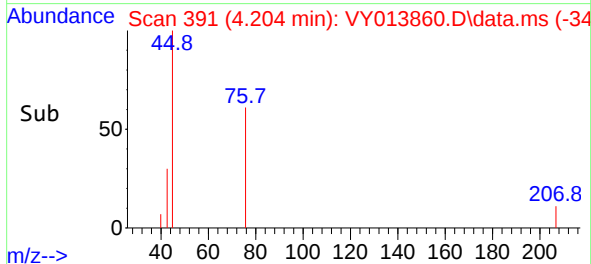
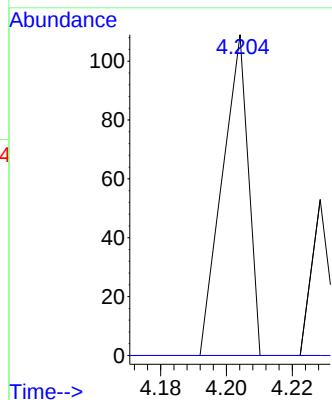
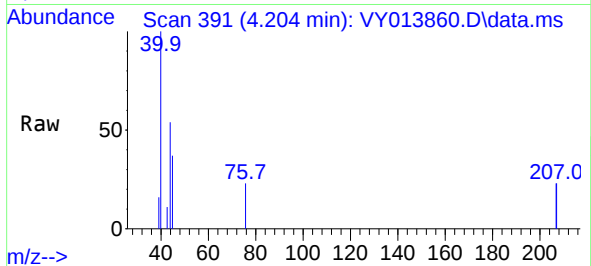




#17
Carbon Disulfide
Concen: 9.174 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

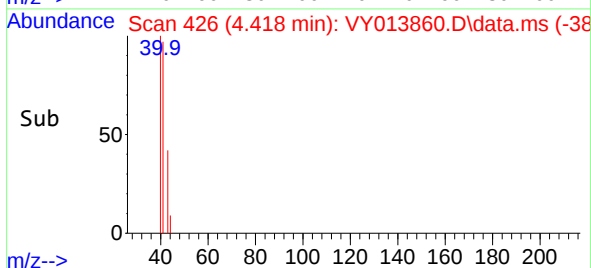
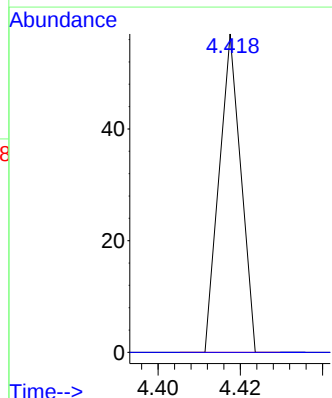
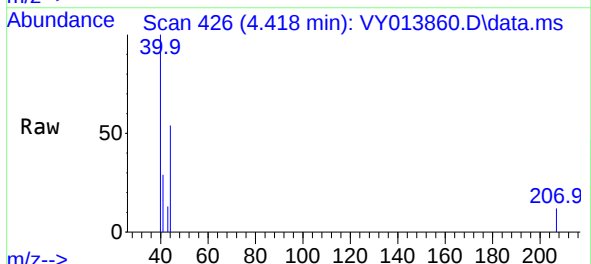
Instrument :
MSVOA_Y
ClientSampleId :
BFB

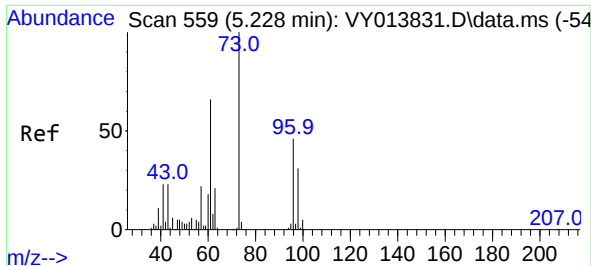
Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 7.870 ug/l
RT: 4.418 min Scan# 426
Delta R.T. -0.073 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





#19

Methyl tert-butyl Ether

Concen: 4.850 ug/l

RT: 5.289 min Scan# 5

Delta R.T. 0.061 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

Instrument :

MSVOA_Y

ClientSampleId :

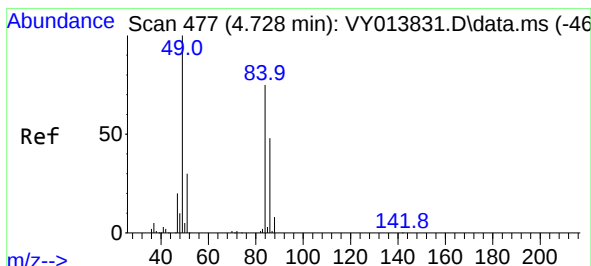
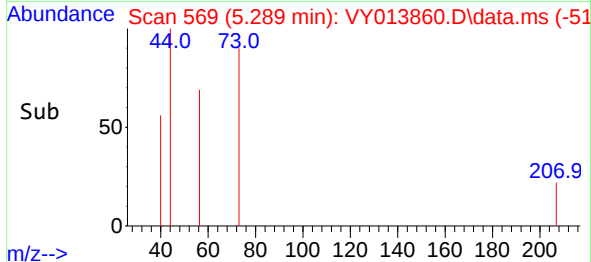
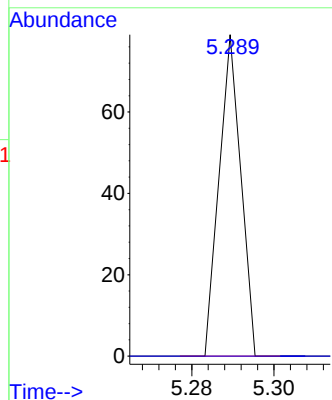
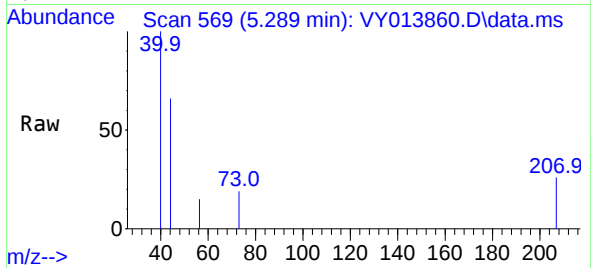
BFB

Tgt Ion: 73 Resp: 29

Ion Ratio Lower Upper

73 100

57 0.0 17.4 26.2#



#20

Methylene Chloride

Concen: 4784.073 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.007 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

Tgt Ion: 84 Resp: 12391

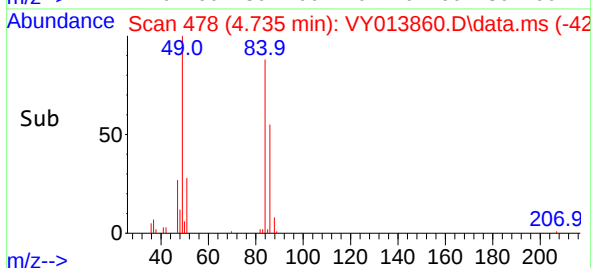
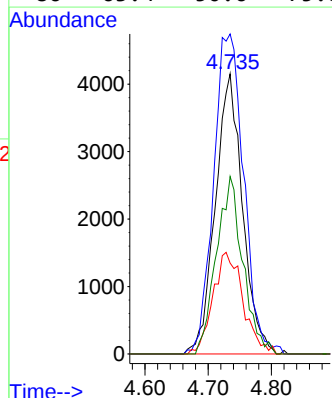
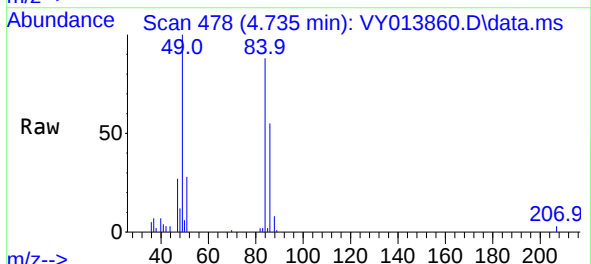
Ion Ratio Lower Upper

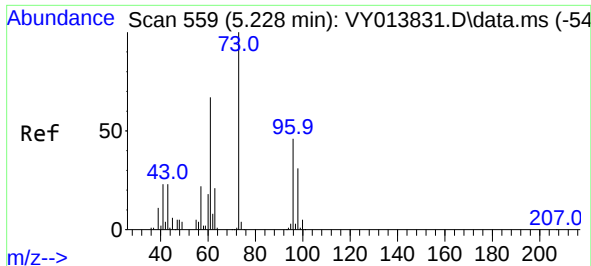
84 100

49 114.2 106.2 159.2

51 32.5 31.4 47.0

86 63.4 50.6 75.8

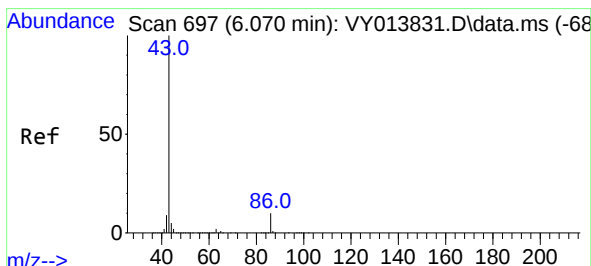
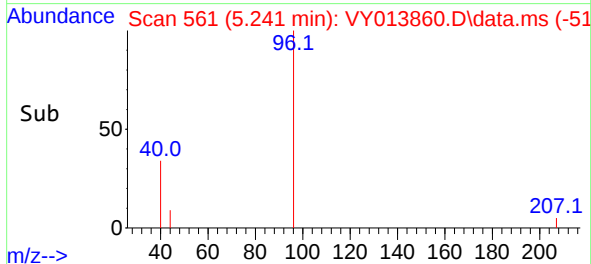
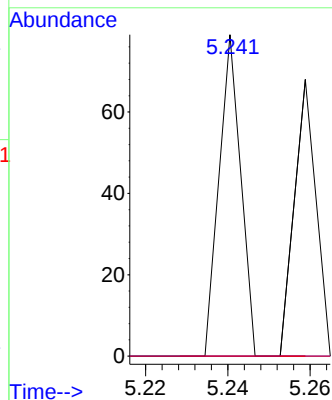
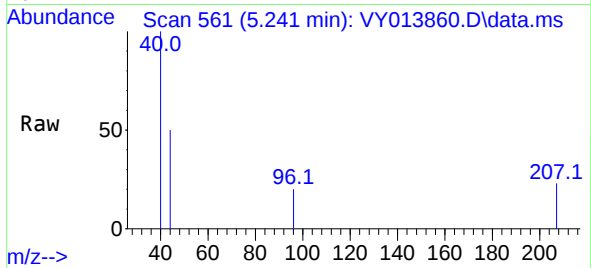




#21
trans-1,2-Dichloroethene
Concen: 12.176 ug/l
RT: 5.241 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

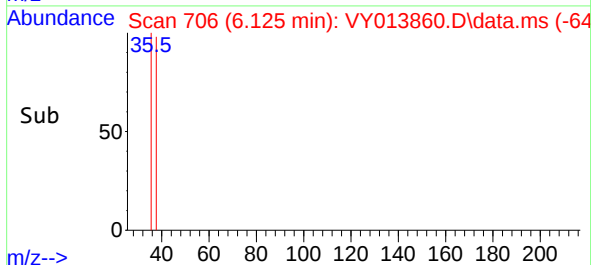
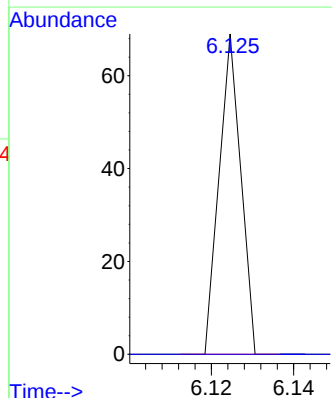
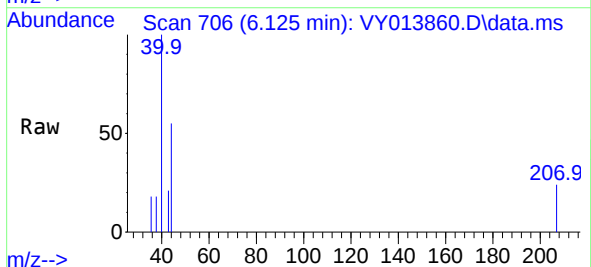
Instrument :
MSVOA_Y
ClientSampleId :
BFB

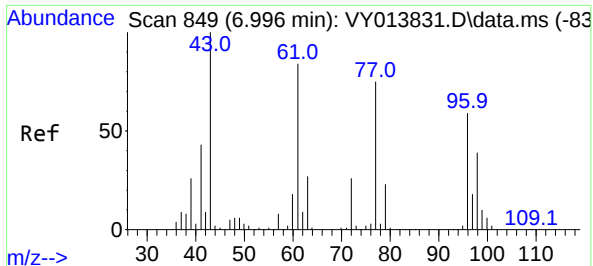
Tgt Ion: 96 Resp: 29
Ion Ratio Lower Upper
96 100
61 0.0 115.5 173.3#
98 0.0 53.7 80.5#



#23
Vinyl Acetate
Concen: 5.558 ug/l
RT: 6.125 min Scan# 706
Delta R.T. 0.055 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
86 0.0 7.6 11.4#





#25

2-Butanone

Concen: 119.335 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

Instrument :

MSVOA_Y

ClientSampleId :

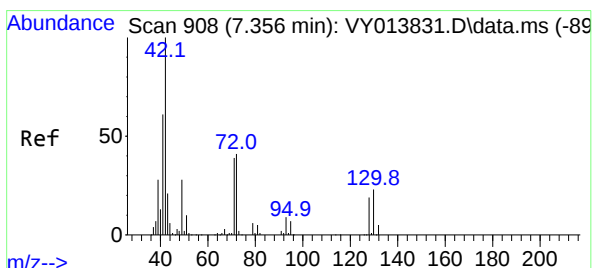
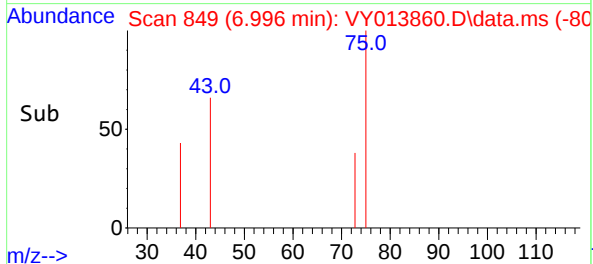
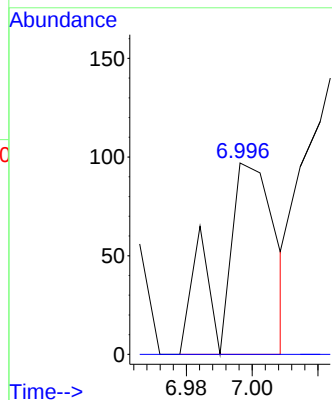
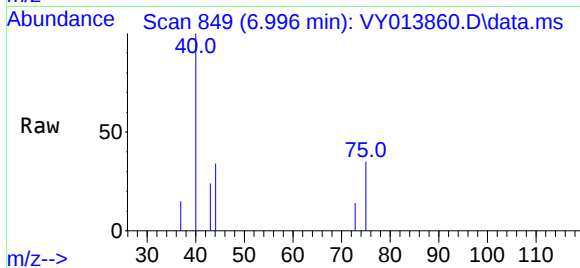
BFB

Tgt Ion: 43 Resp: 112

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 135.630 ug/l

RT: 7.380 min Scan# 912

Delta R.T. 0.024 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

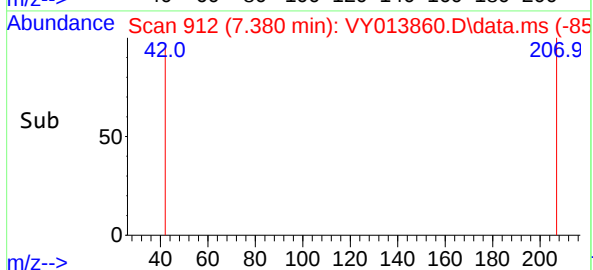
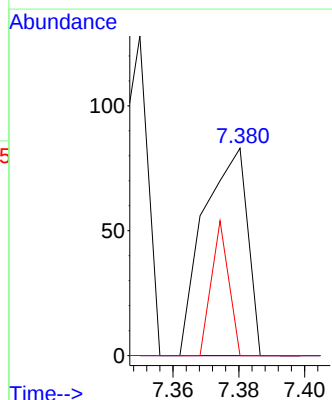
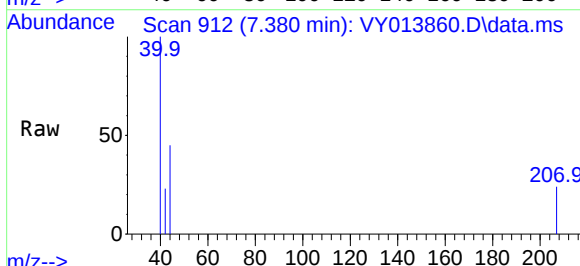
Tgt Ion: 42 Resp: 76

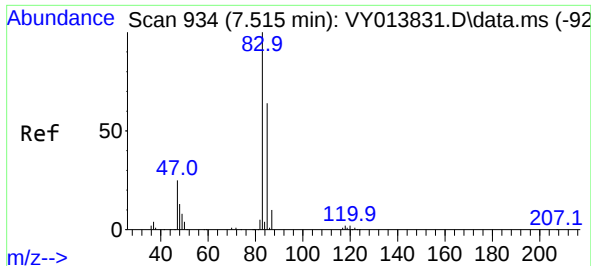
Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 26.3 30.6 45.8#

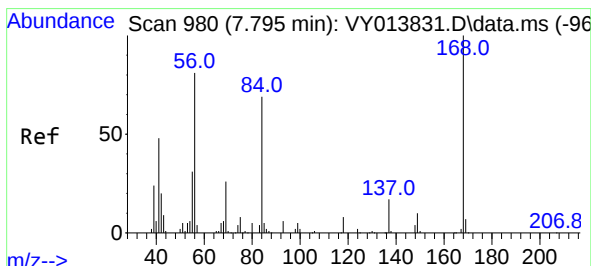
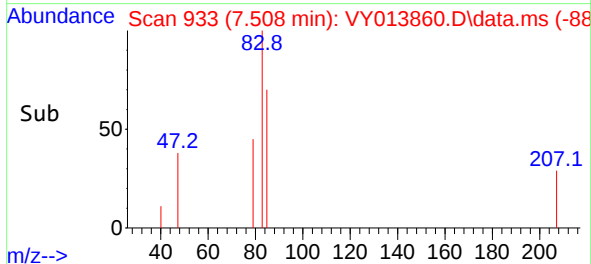
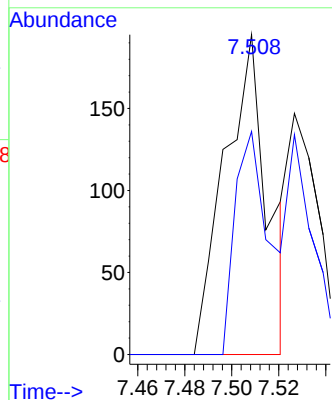
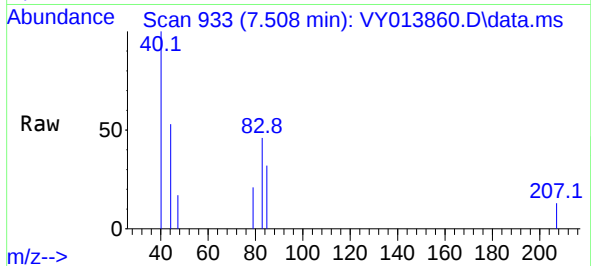




#30
Chloroform
Concen: 54.252 ug/l
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

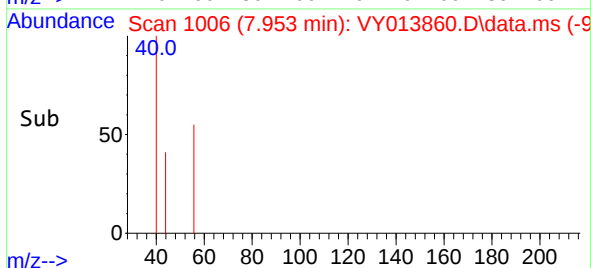
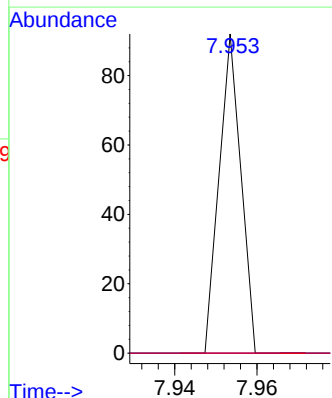
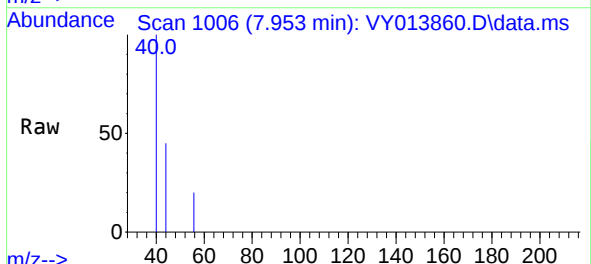
Instrument :
MSVOA_Y
ClientSampleId :
BFB

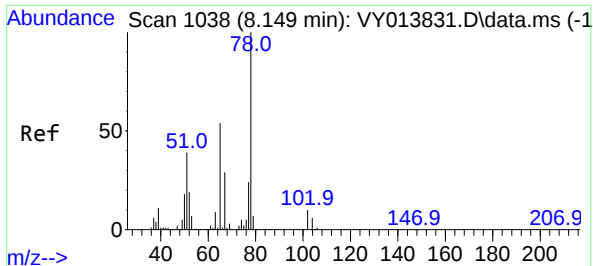
Tgt Ion: 83 Resp: 248
Ion Ratio Lower Upper
83 100
85 69.7 51.0 76.6



#31
Cyclohexane
Concen: 8.539 ug/l
RT: 7.953 min Scan# 1006
Delta R.T. 0.158 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 56 Resp: 34
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.8#
84 0.0 68.2 102.2#

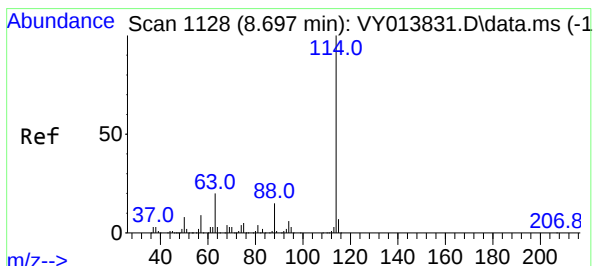
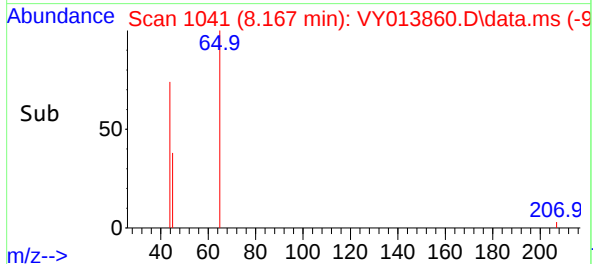
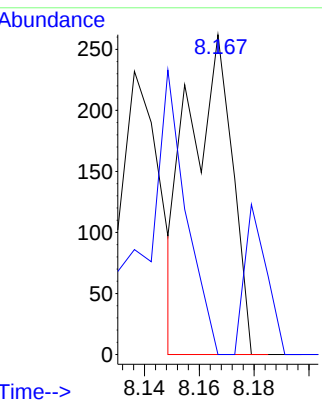
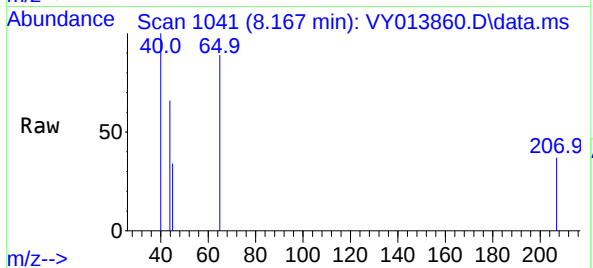




#33
1,2-Dichloroethane-d4
Concen: 109.591 ug/l
RT: 8.167 min Scan# 110
Delta R.T. 0.018 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

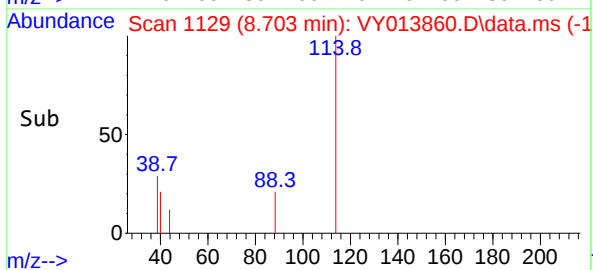
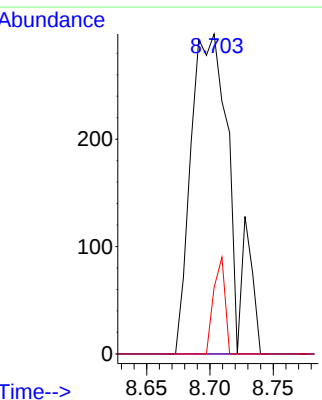
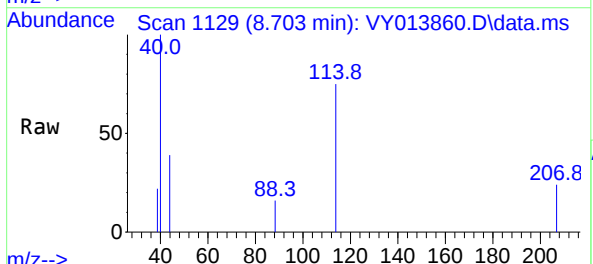
Instrument :
MSVOA_Y
ClientSampleId :
BFB

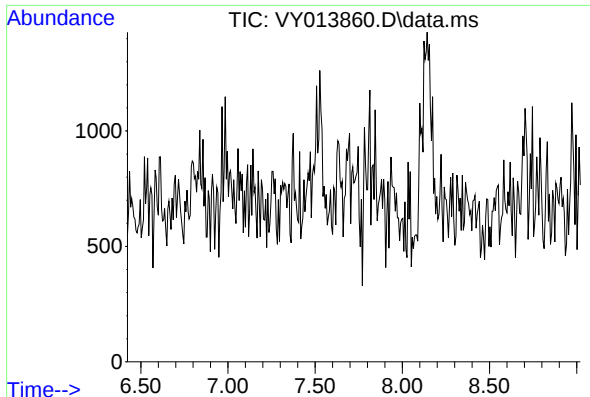
Tgt Ion: 65 Resp: 284
Ion Ratio Lower Upper
65 100
67 23.9 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 114 Resp: 651
Ion Ratio Lower Upper
114 100
63 0.0 0.0 40.2
88 20.8 0.0 30.0

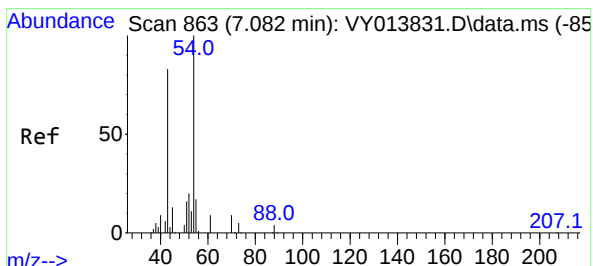
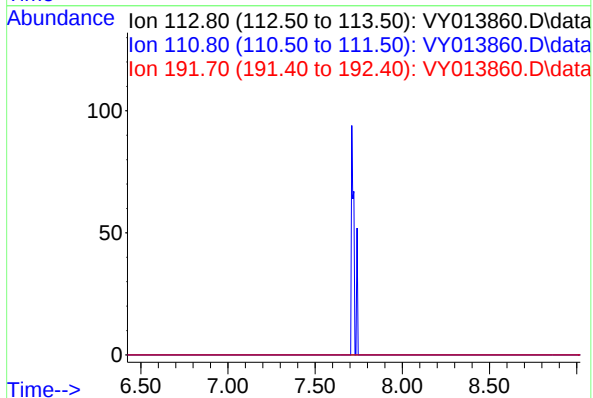




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.72 min
 Lab File: VY013860.D
 Acq: 25 May 2023 09:14

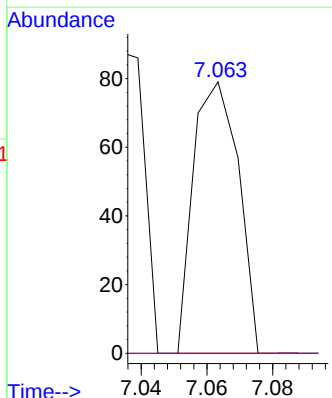
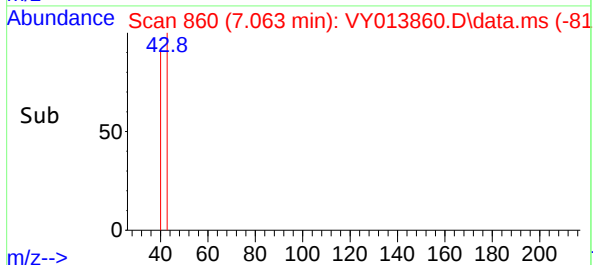
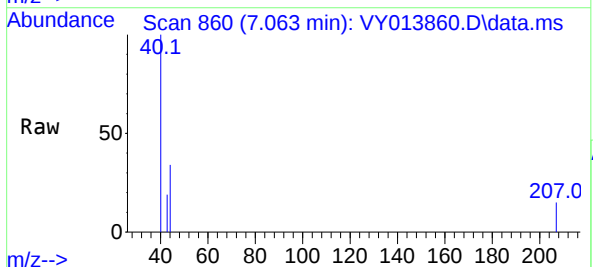
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

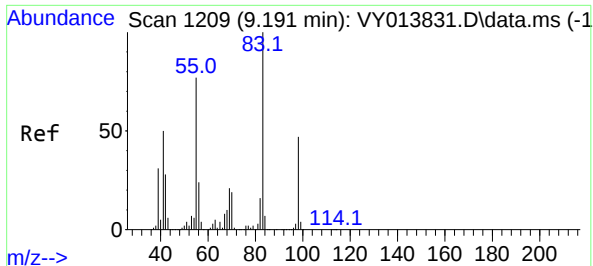
Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 100.5
 192 20.8



#37
 Ethyl Acetate
 Concen: 19.201 ug/l
 RT: 7.063 min Scan# 860
 Delta R.T. -0.018 min
 Lab File: VY013860.D
 Acq: 25 May 2023 09:14

Tgt Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 6.9 10.3#

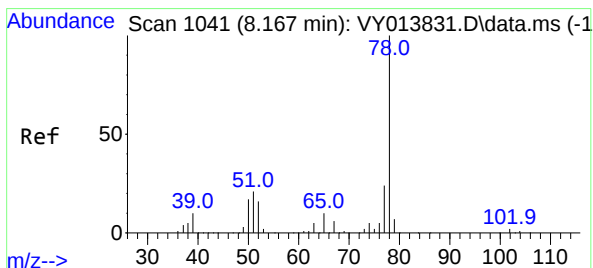
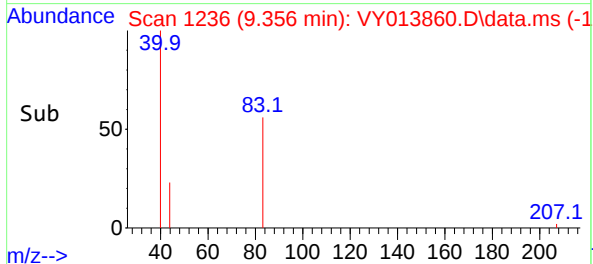
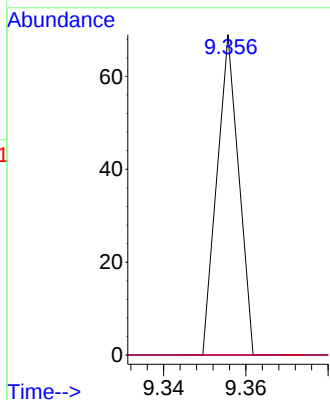
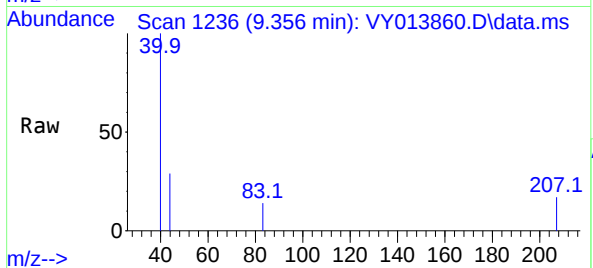




#39
Methylcyclohexane
Concen: 3.334 ug/l
RT: 9.356 min Scan# 11
Delta R.T. 0.165 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

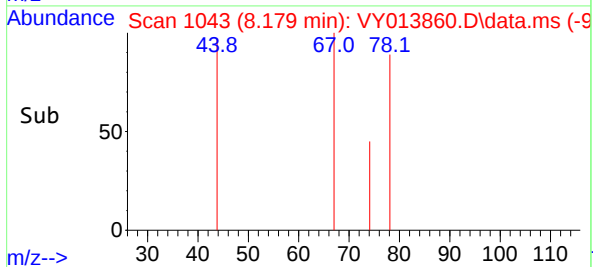
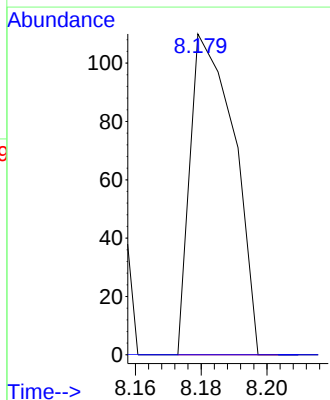
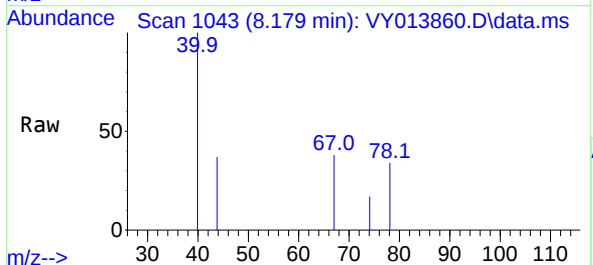
Instrument :
MSVOA_Y
ClientSampleId :
BFB

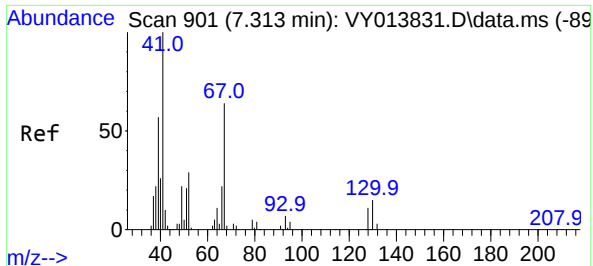
Tgt Ion:	83	Resp:	25
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.6	92.4#
98	0.0	38.0	57.0#



#40
Benzene
Concen: 5.546 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

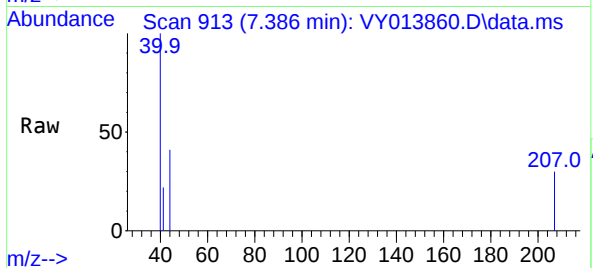
Tgt Ion:	78	Resp:	102
Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.5	29.3#



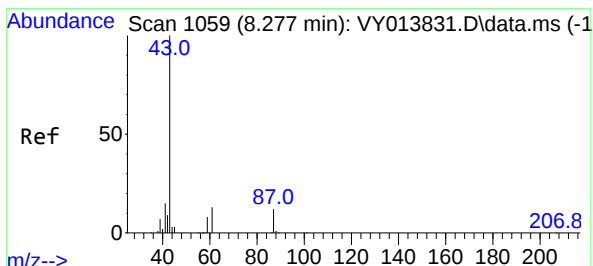
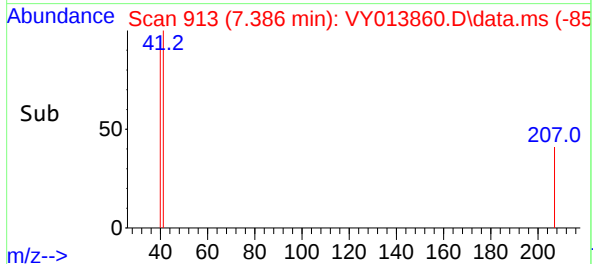
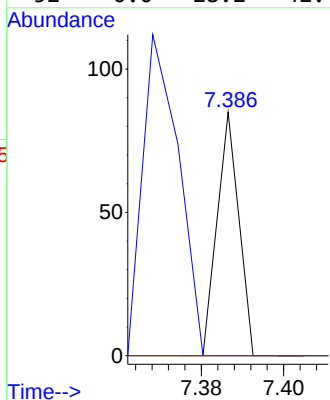


#41
Methacrylonitrile
Concen: 14.546 ug/l
RT: 7.386 min Scan# 91
Delta R.T. 0.073 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Instrument :
MSVOA_Y
ClientSampleId :
BFB

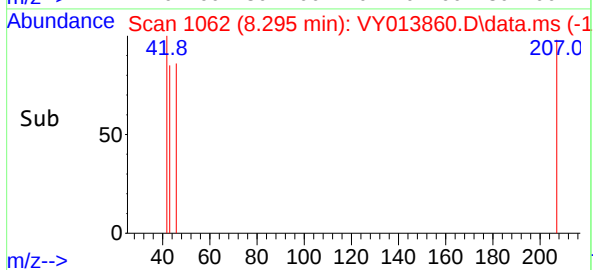
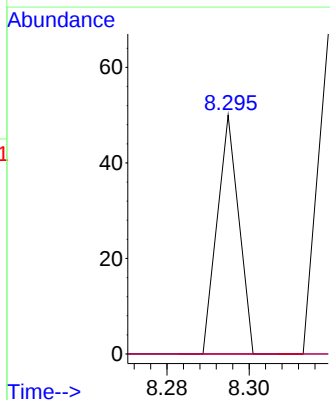
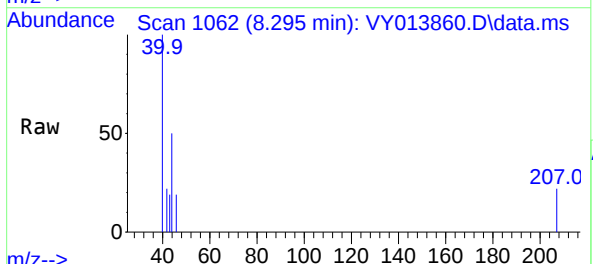


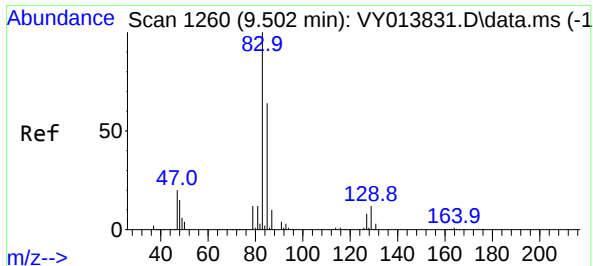
Tgt Ion:	41	Resp:	31
Ion	Ratio	Lower	Upper
41	100		
39	219.4	44.1	66.1#
67	0.0	63.7	95.5#
52	0.0	28.2	42.4#



#43
Isopropyl Acetate
Concen: 2.529 ug/l
RT: 8.295 min Scan# 1062
Delta R.T. 0.018 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:	43	Resp:	18
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.1	31.7#
87	0.0	9.8	14.6#

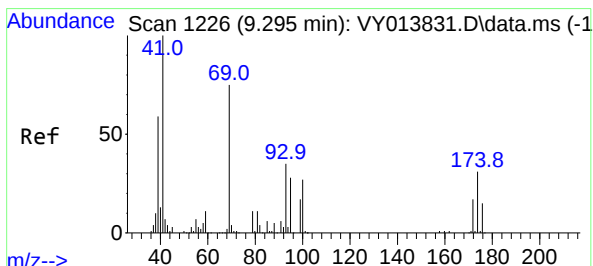
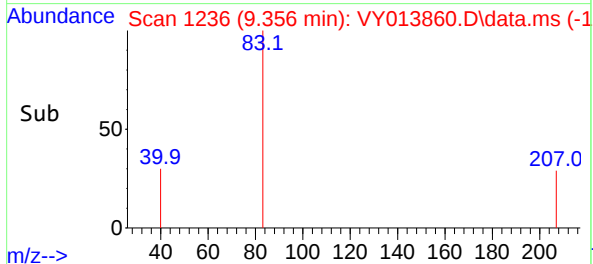
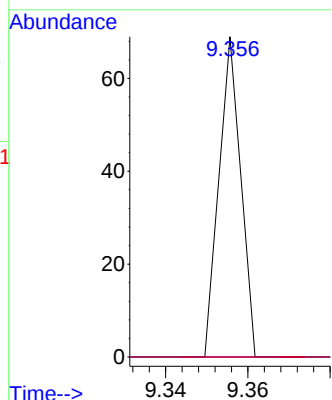
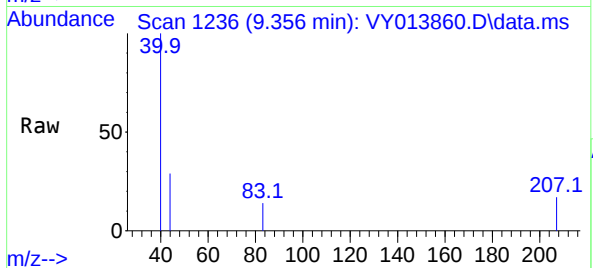




#47
Bromodichloromethane
Concen: 3.802 ug/l
RT: 9.356 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

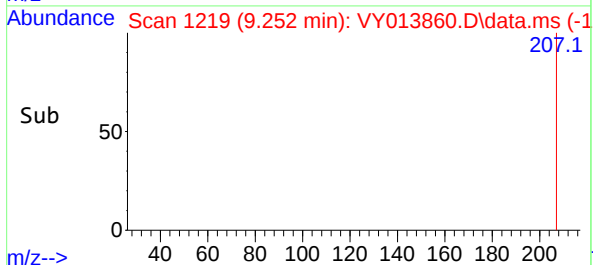
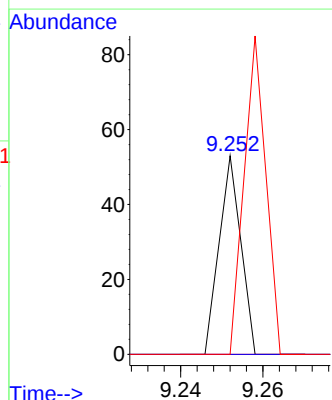
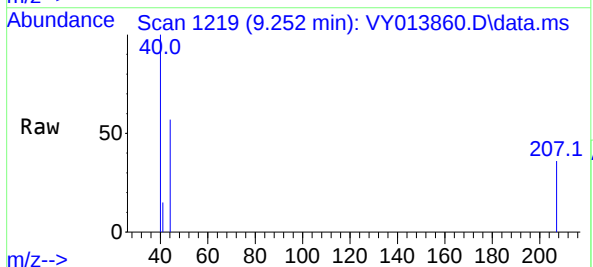
Instrument :
MSVOA_Y
ClientSampleId :
BFB

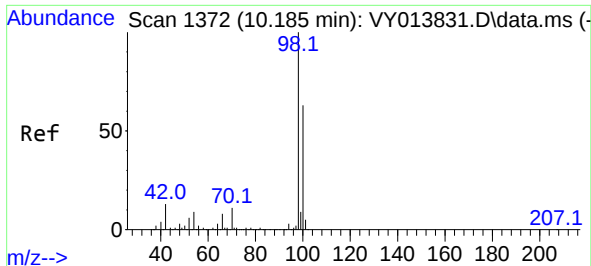
Tgt Ion: 83 Resp: 25
Ion Ratio Lower Upper
83 100
85 0.0 51.5 77.3#
127 0.0 6.6 10.0#



#48
Methyl methacrylate
Concen: 5.685 ug/l
RT: 9.252 min Scan# 1219
Delta R.T. -0.043 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 62.0 93.0#
39 163.2 45.7 68.5#

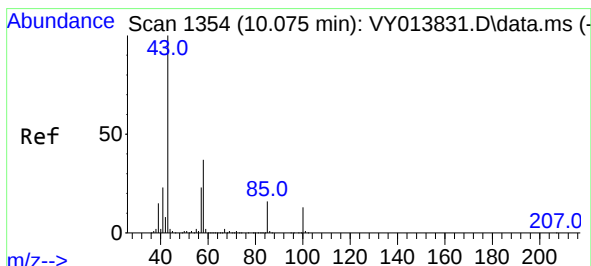
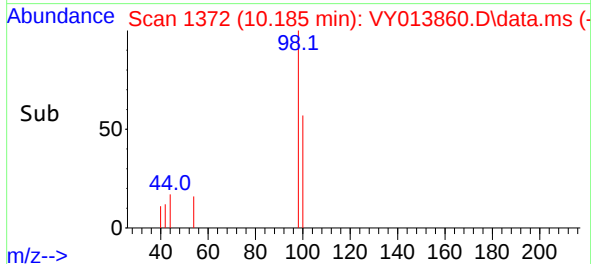
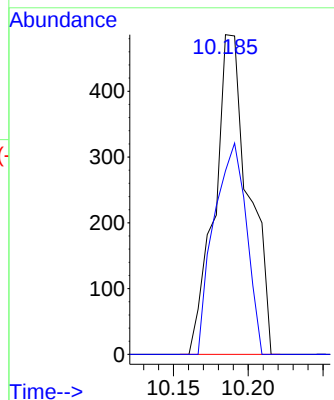
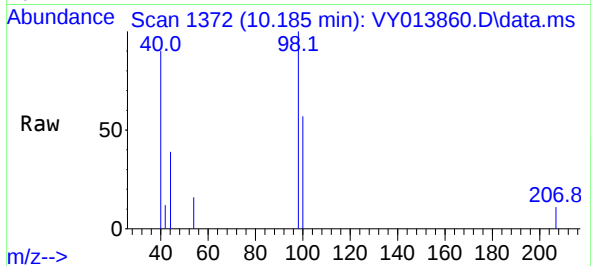




#50
Toluene-d8
Concen: 48.439 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

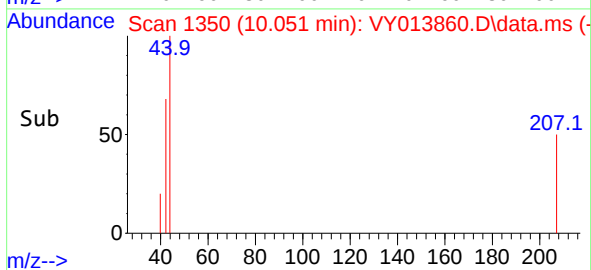
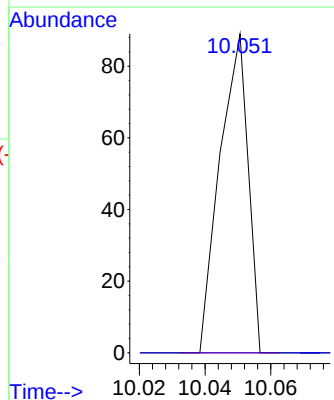
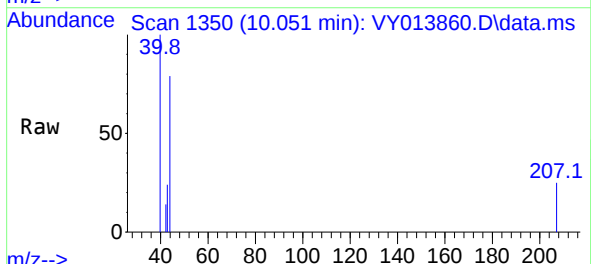
Instrument :
MSVOA_Y
ClientSampleId :
BFB

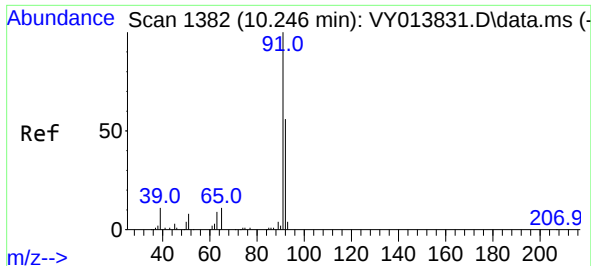
Tgt Ion: 98 Resp: 774
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 13.972 ug/l
RT: 10.051 min Scan# 1350
Delta R.T. -0.024 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#

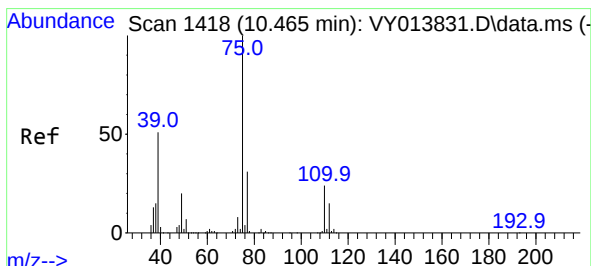
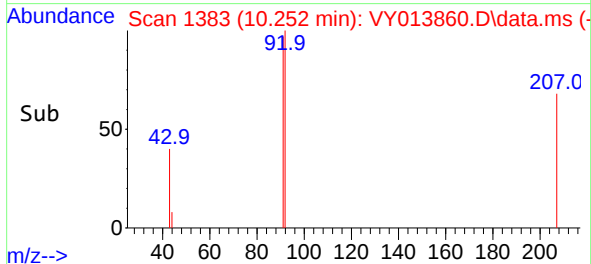
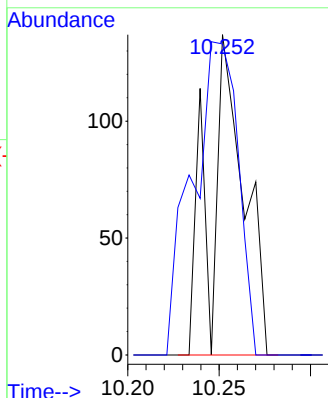
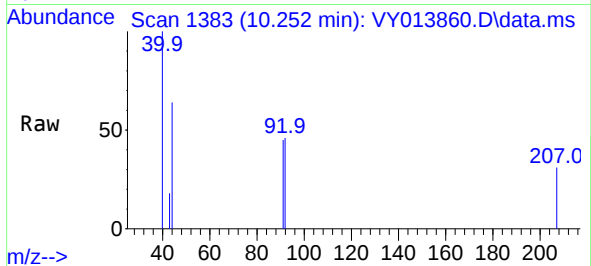




#52
Toluene
Concen: 15.784 ug/l
RT: 10.252 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

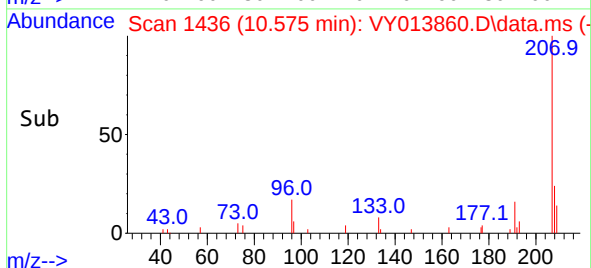
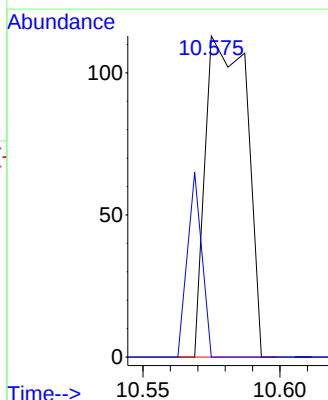
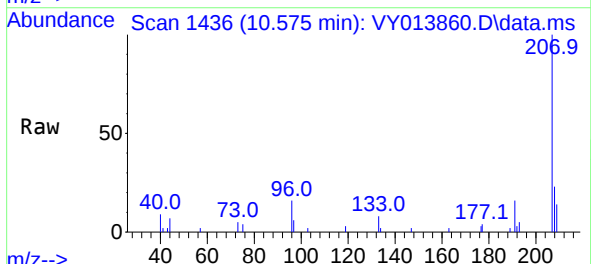
Instrument :
MSVOA_Y
ClientSampleId :
BFB

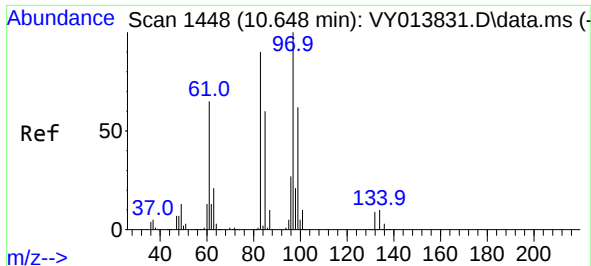
Tgt Ion: 92 Resp: 177
Ion Ratio Lower Upper
92 100
91 131.6 142.2 213.4#



#53
t-1,3-Dichloropropene
Concen: 17.628 ug/l
RT: 10.575 min Scan# 1436
Delta R.T. 0.110 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 75 Resp: 118
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#

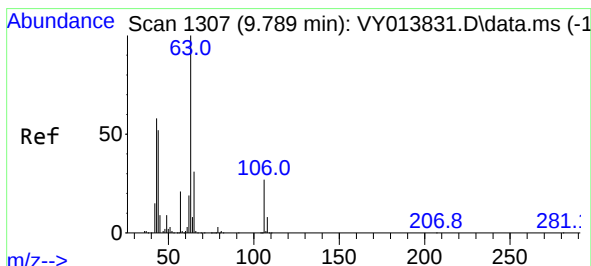
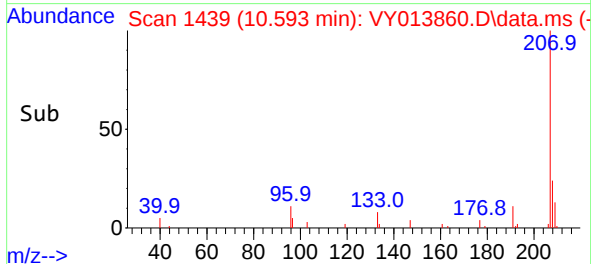
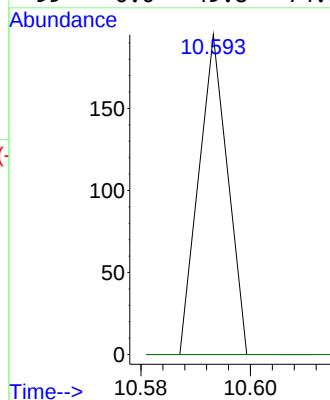
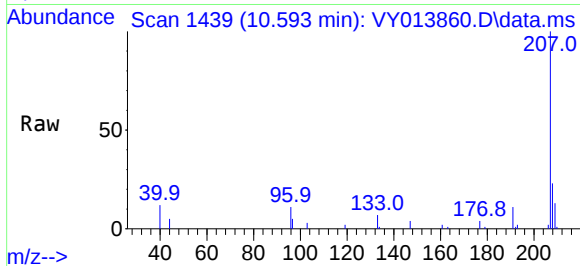




#55
1,1,2-Trichloroethane
Concen: 19.558 ug/l
RT: 10.593 min Scan# 1448
Delta R.T. -0.055 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

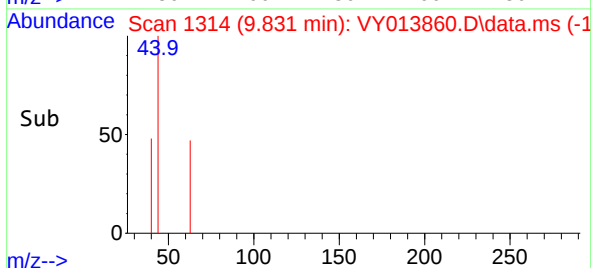
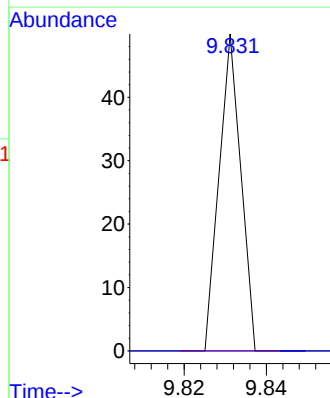
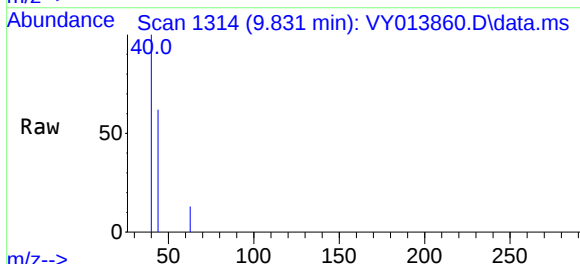
Instrument :
MSVOA_Y
ClientSampleId :
BFB

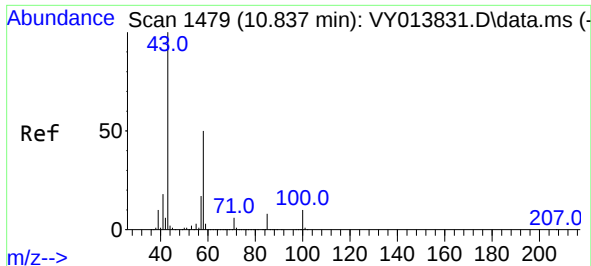
Tgt Ion:	97	Resp:	71
Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.9	107.9#
85	0.0	47.6	71.4#
99	0.0	49.8	74.6#



#58
2-Chloroethyl Vinyl ether
Concen: 11.641 ug/l
RT: 9.831 min Scan# 1314
Delta R.T. 0.043 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:	63	Resp:	18
Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.3	31.9#





#59

2-Hexanone

Concen: 10.377 ug/l

RT: 10.874 min Scan# 14

Delta R.T. 0.037 min

Lab File: VY013860.D

Acq: 25 May 2023 09:14

Instrument :

MSVOA_Y

ClientSampleId :

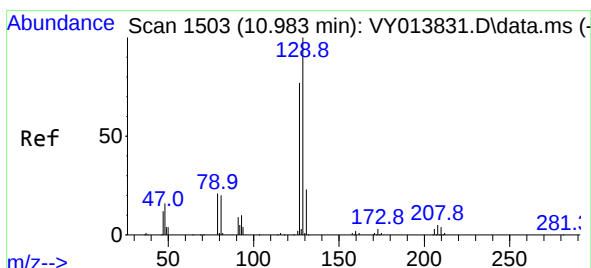
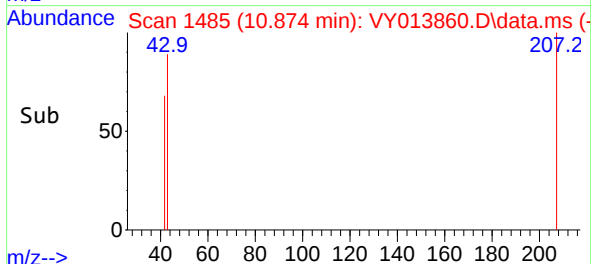
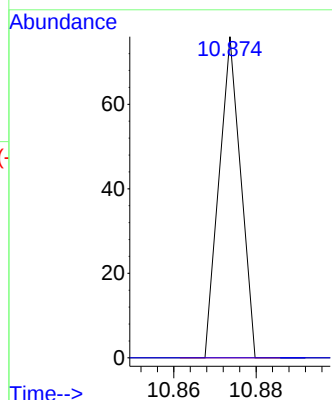
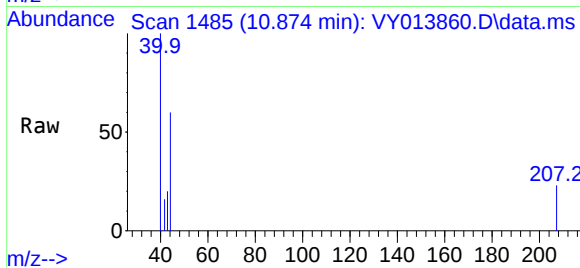
BFB

Tgt Ion: 43 Resp: 28

Ion Ratio Lower Upper

43 100

58 0.0 24.8 74.3#



#60

Dibromochloromethane

Concen: 10.017 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. -0.256 min

Lab File: VY013860.D

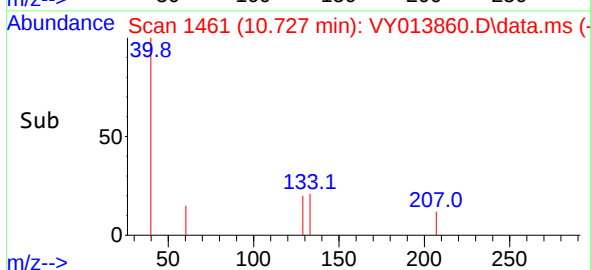
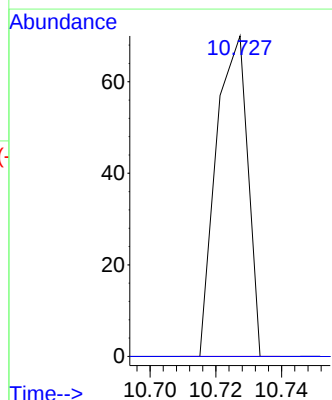
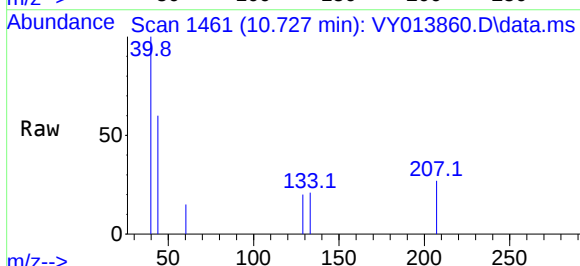
Acq: 25 May 2023 09:14

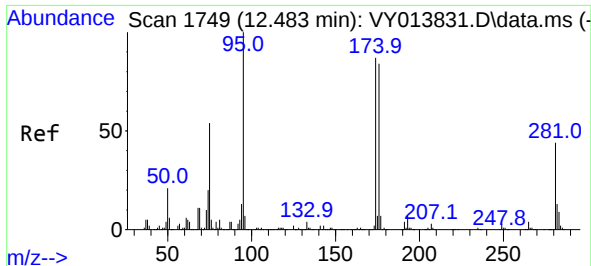
Tgt Ion:129 Resp: 46

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

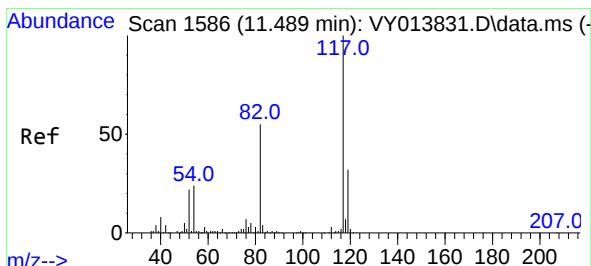
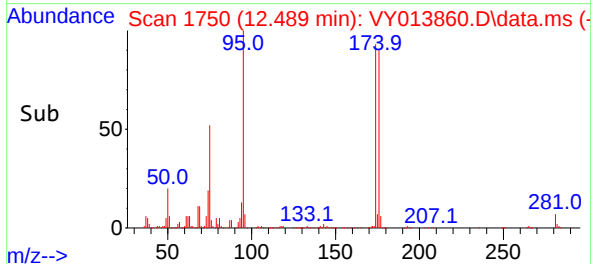
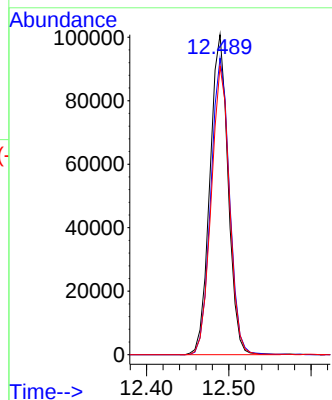
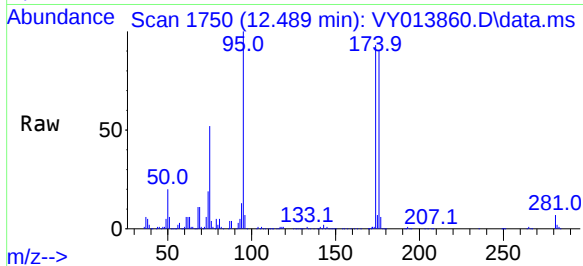




#62
4-Bromofluorobenzene
Concen: 29150.545 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

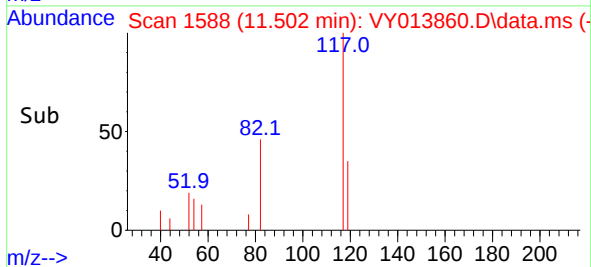
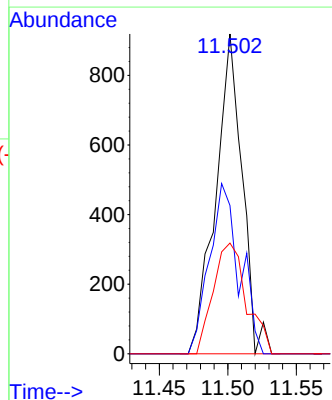
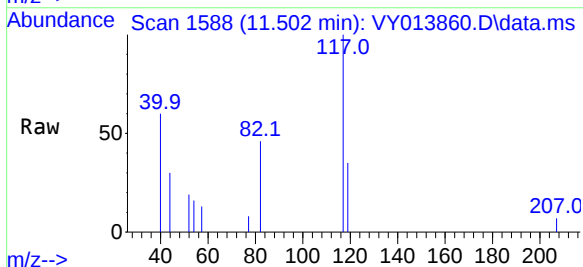
Instrument :
MSVOA_Y
ClientSampleId :
BFB

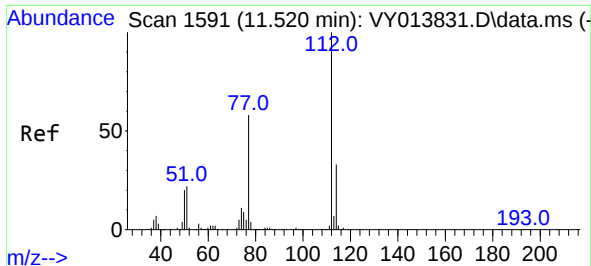
Tgt Ion: 95 Resp: 154829
Ion Ratio Lower Upper
95 100
174 94.8 0.0 176.0
176 90.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 117 Resp: 1237
Ion Ratio Lower Upper
117 100
82 46.4 44.2 66.4
119 34.6 25.7 38.5

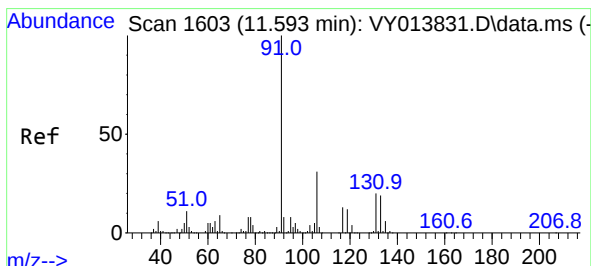
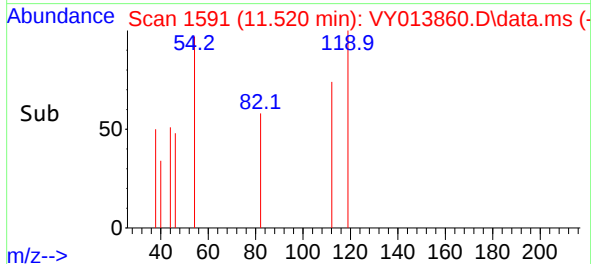
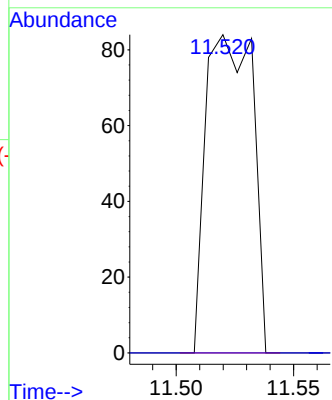
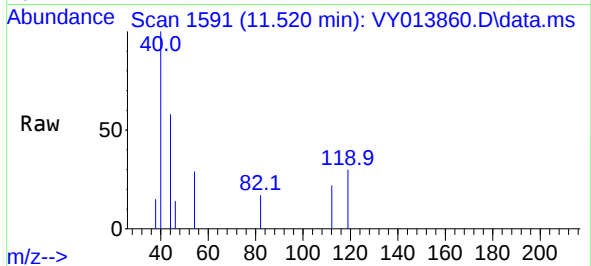




#65
Chlorobenzene
Concen: 4.513 ug/l
RT: 11.520 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

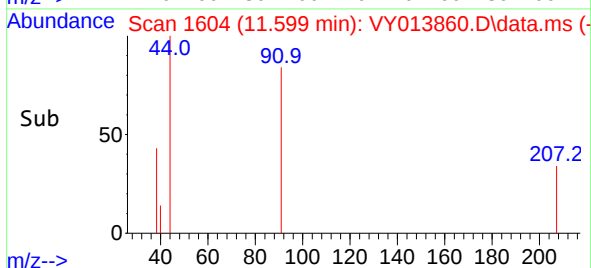
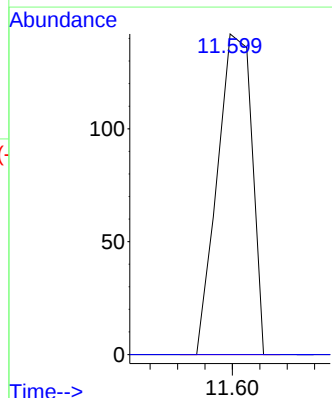
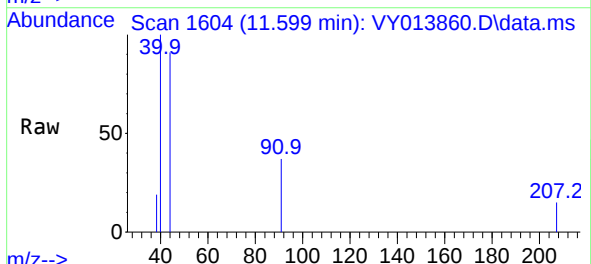
Instrument :
MSVOA_Y
ClientSampleId :
BFB

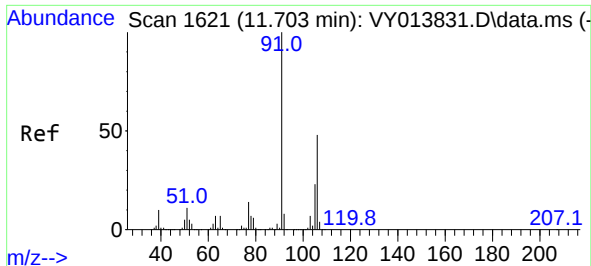
Tgt Ion:112 Resp: 117
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.2#



#67
Ethyl Benzene
Concen: 2.658 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
106 0.0 24.7 37.1#

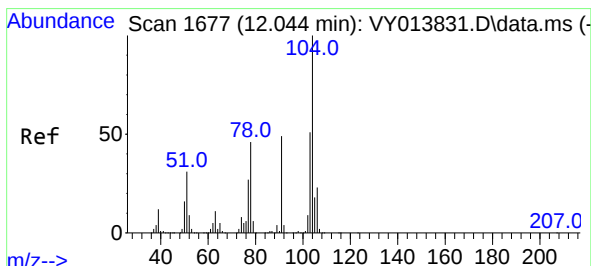
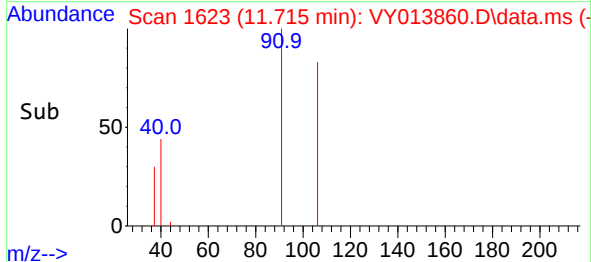
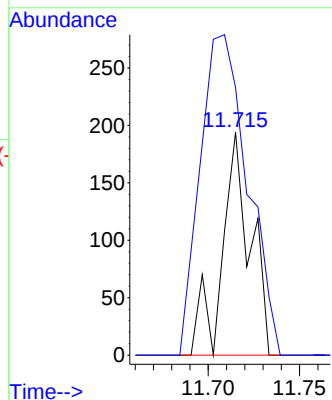
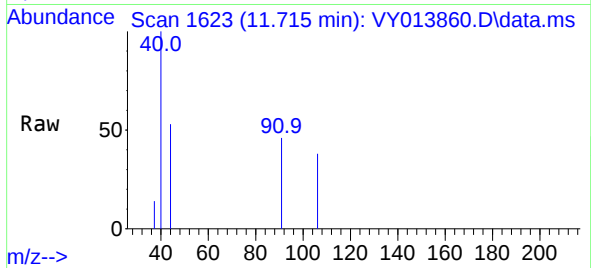




#68
m/p-Xylenes
Concen: 11.780 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

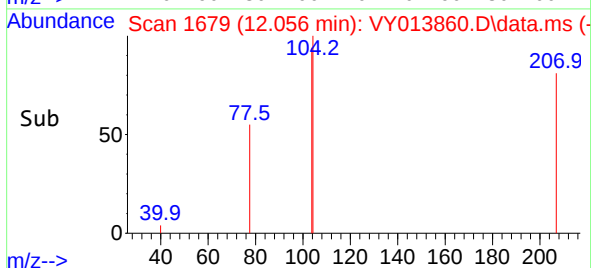
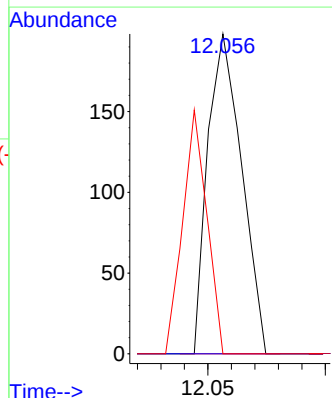
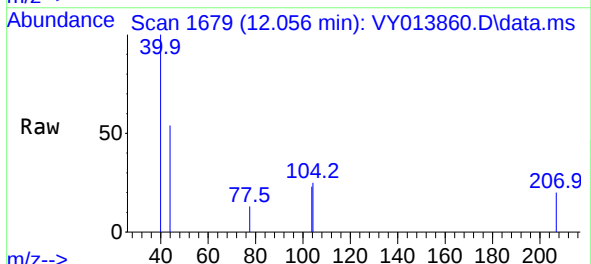
Instrument :
MSVOA_Y
ClientSampleId :
BFB

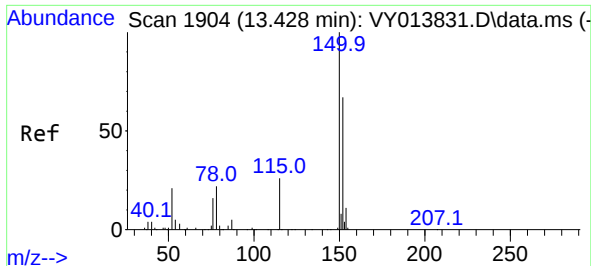
Tgt Ion:106 Resp: 208
Ion Ratio Lower Upper
106 100
91 243.3 164.9 247.3



#70
Styrene
Concen: 7.064 ug/l
RT: 12.056 min Scan# 1679
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:104 Resp: 199
Ion Ratio Lower Upper
104 100
78 0.0 40.8 61.2#
103 54.3 44.2 66.4

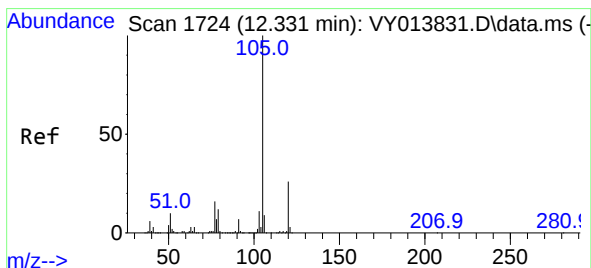
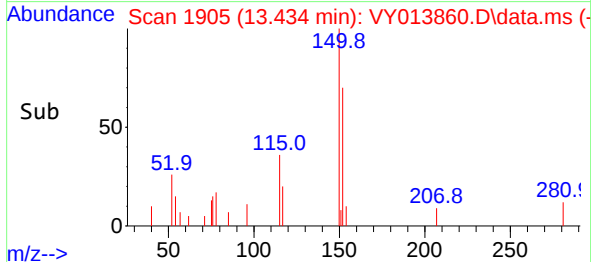
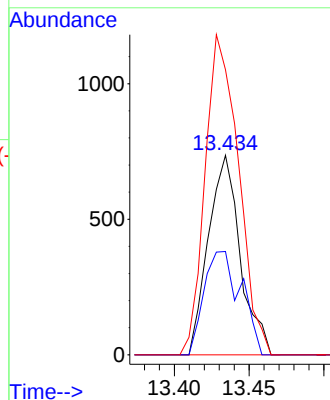
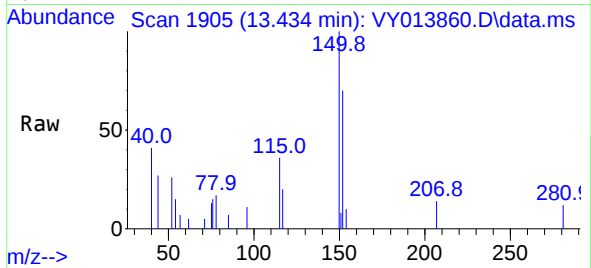




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

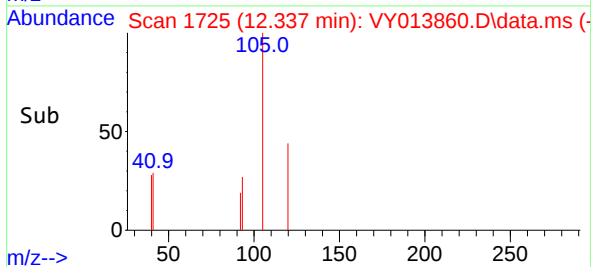
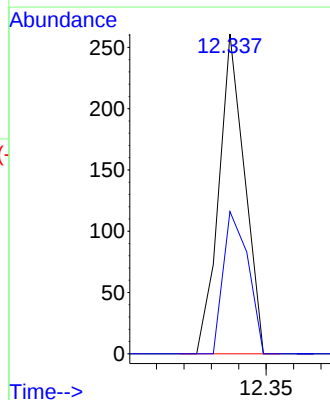
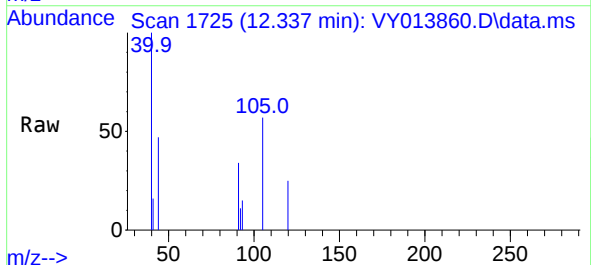
Instrument :
MSVOA_Y
ClientSampleId :
BFB

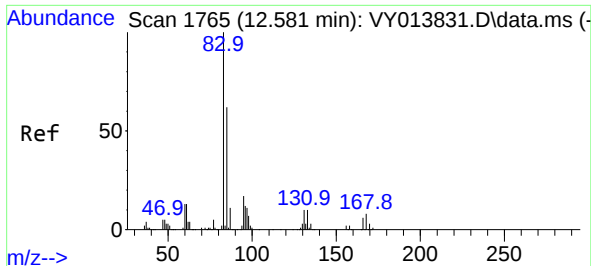
Tgt Ion:	152	Resp:	1091
Ion	Ratio	Lower	Upper
152	100		
115	59.9	28.8	86.5
150	168.6	0.0	353.4



#73
Isopropylbenzene
Concen: 2.094 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:	105	Resp:	170
Ion	Ratio	Lower	Upper
105	100		
120	42.9	13.2	39.6

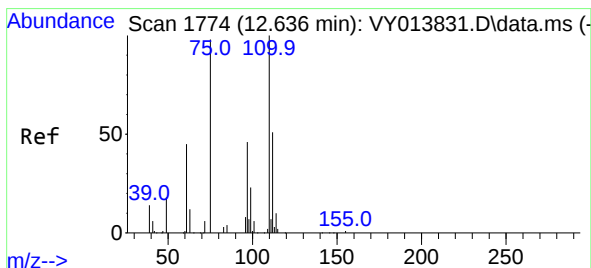
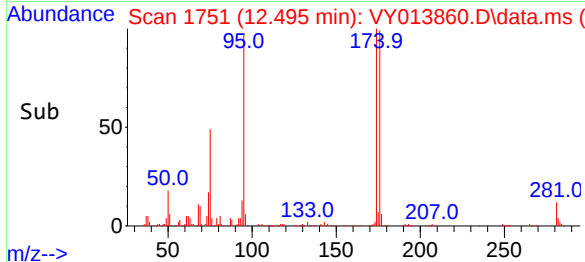
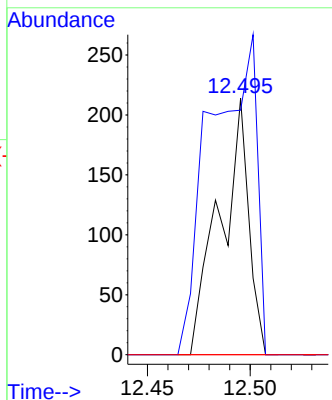
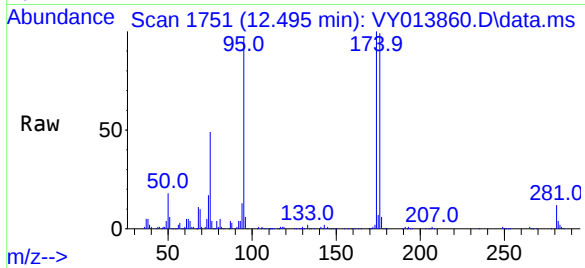




#75
1,1,2,2-Tetrachloroethane
Concen: 12.433 ug/l
RT: 12.495 min Scan# 1750
Delta R.T. -0.085 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

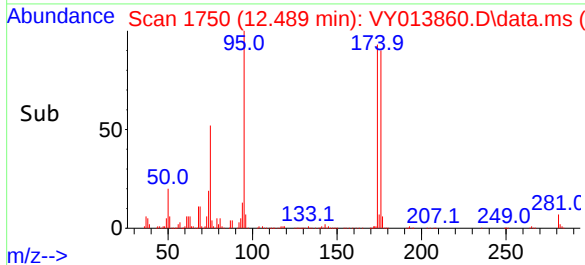
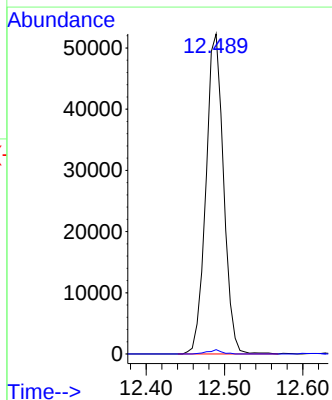
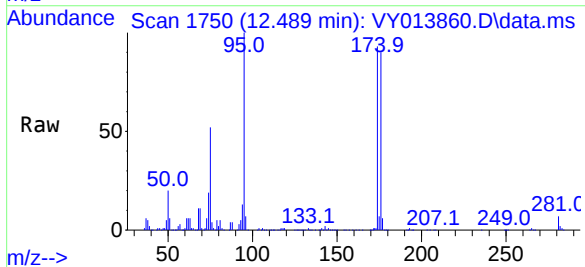
Instrument :
MSVOA_Y
ClientSampleId :
BFB

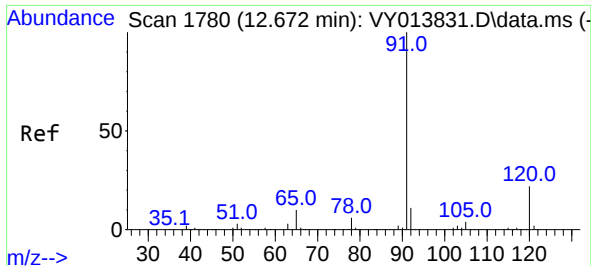
Tgt Ion: 83 Resp: 209
Ion Ratio Lower Upper
83 100
131 197.6 5.3 16.1#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 6339.380 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 75 Resp: 81552
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

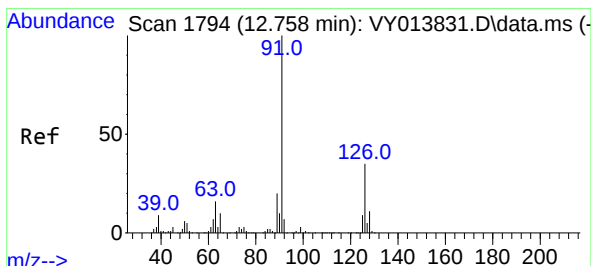
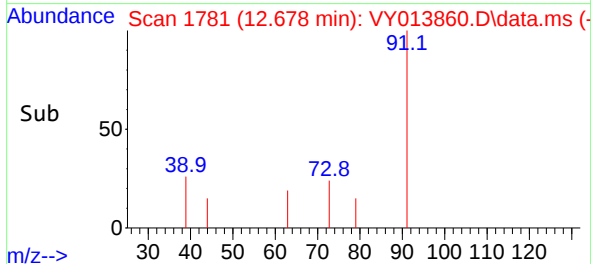
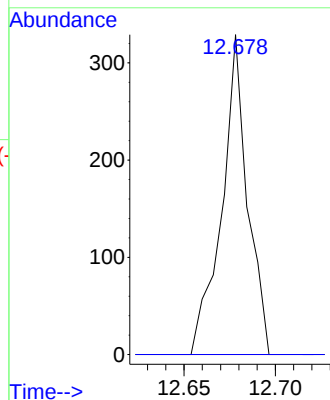
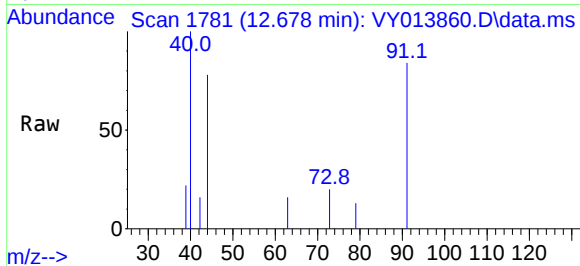




#78
n-propylbenzene
Concen: 3.210 ug/l
RT: 12.678 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

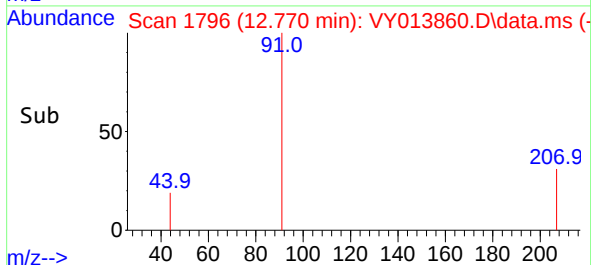
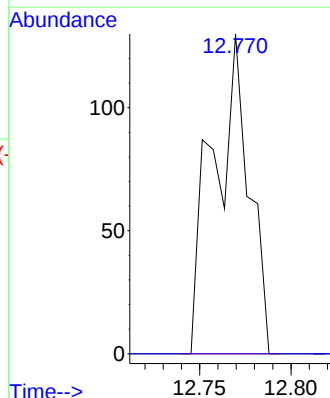
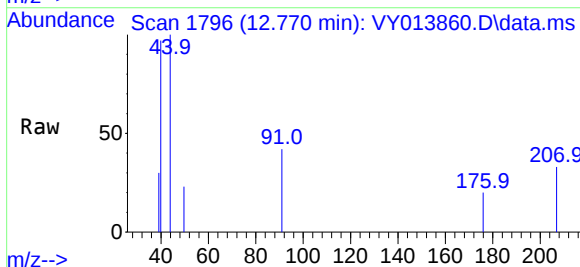
Instrument :
MSVOA_Y
ClientSampleId :
BFB

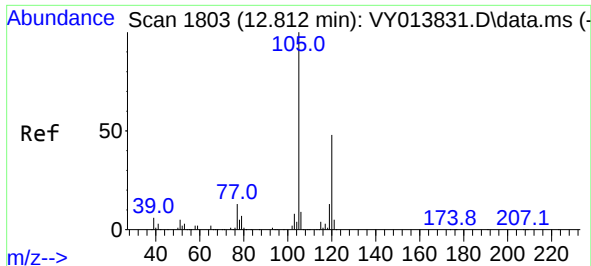
Tgt Ion: 91 Resp: 322
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9#



#79
2-Chlorotoluene
Concen: 3.159 ug/l
RT: 12.770 min Scan# 1796
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 91 Resp: 177
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#

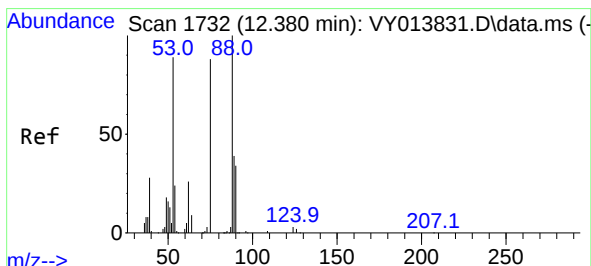
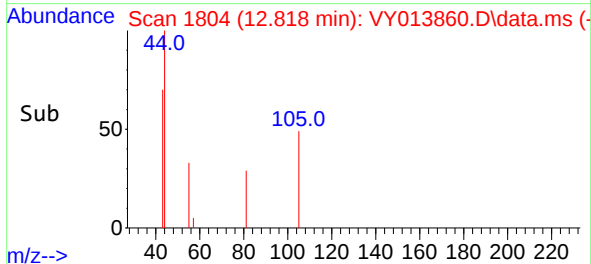
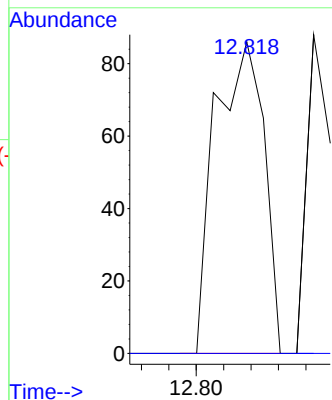
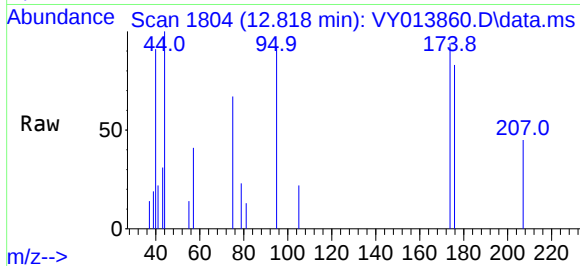




#80
1,3,5-Trimethylbenzene
Concen: 1.581 ug/l
RT: 12.818 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

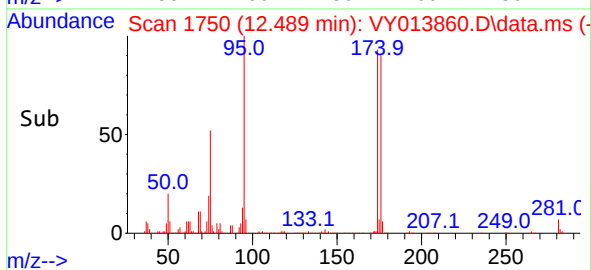
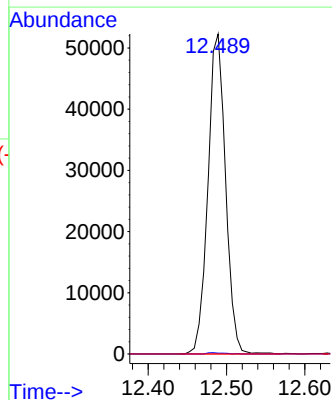
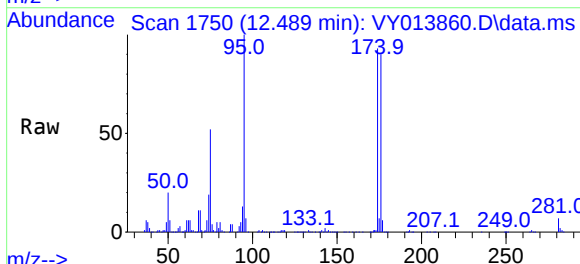
Instrument :
MSVOA_Y
ClientSampleId :
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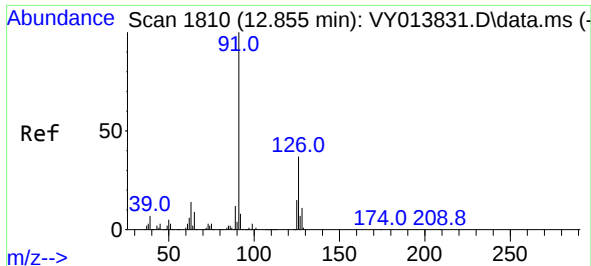
Tgt Ion:105 Resp: 106
Ion Ratio Lower Upper
105 100
120 0.0 23.9 71.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 13760.799 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 75 Resp: 81552
Ion Ratio Lower Upper
75 100
53 0.4 79.7 119.5#
89 0.0 36.4 54.6#

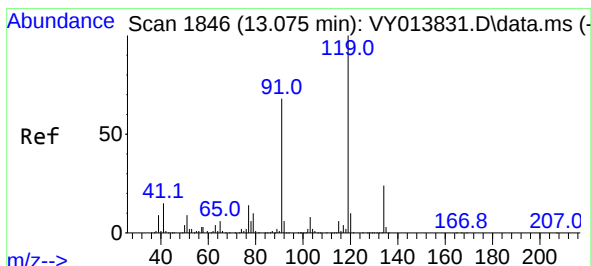
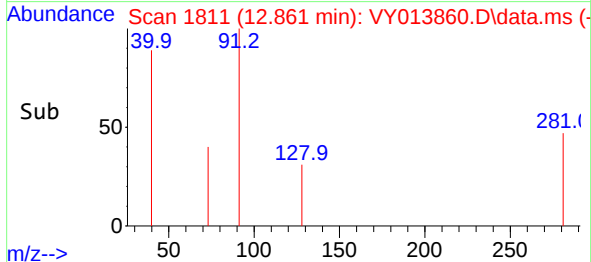
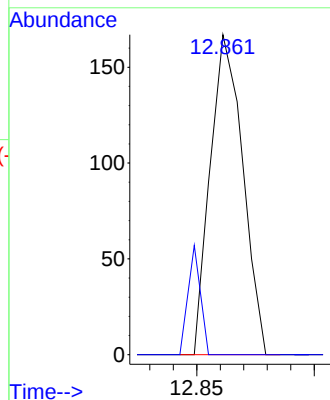
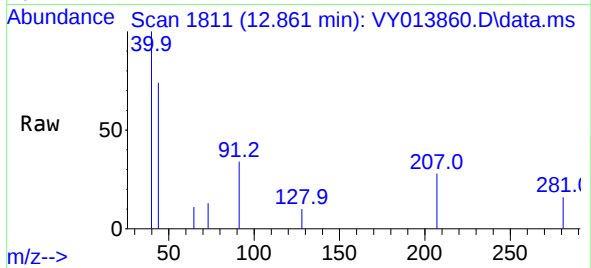




#82
4-Chlorotoluene
Concen: 2.780 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

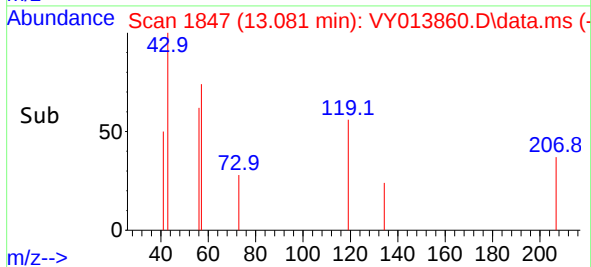
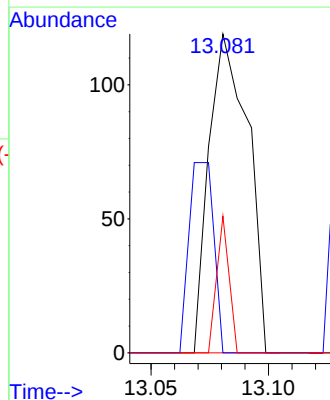
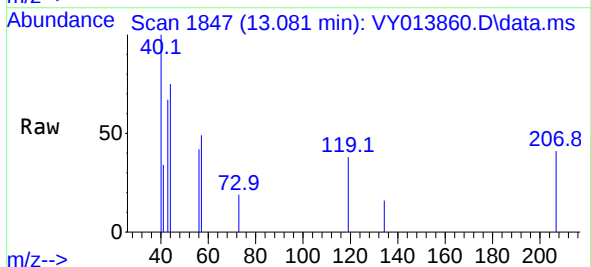
Instrument :
MSVOA_Y
ClientSampleId :
BFB

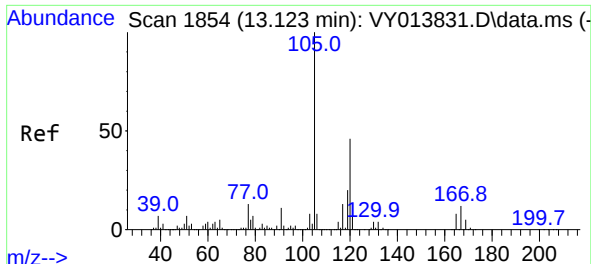
Tgt Ion: 91 Resp: 161
Ion Ratio Lower Upper
91 100
126 13.0 17.9 53.7#



#83
tert-Butylbenzene
Concen: 2.347 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 119 Resp: 137
Ion Ratio Lower Upper
119 100
91 38.0 33.7 101.0
134 13.9 13.1 39.1

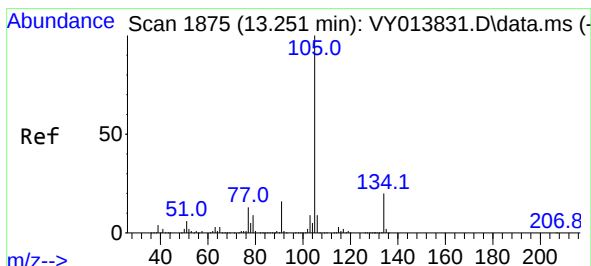
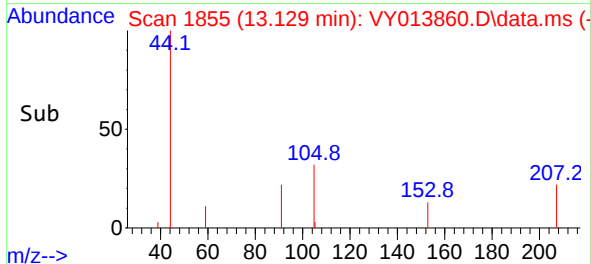
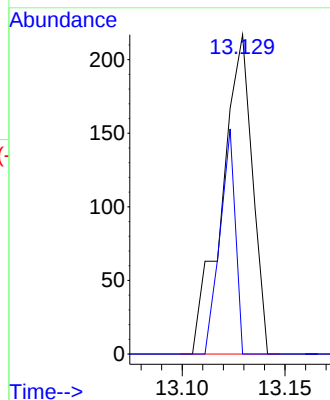
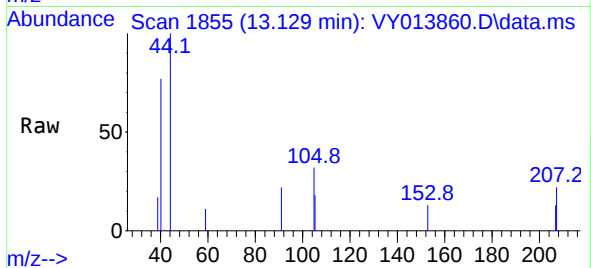




#84
1,2,4-Trimethylbenzene
Concen: 3.389 ug/l
RT: 13.129 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

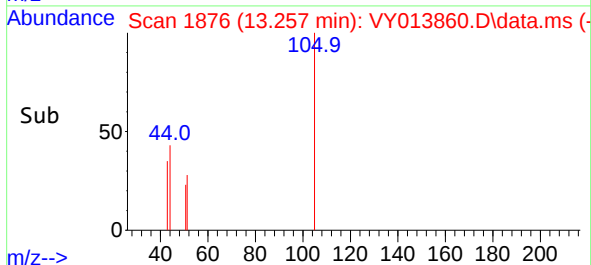
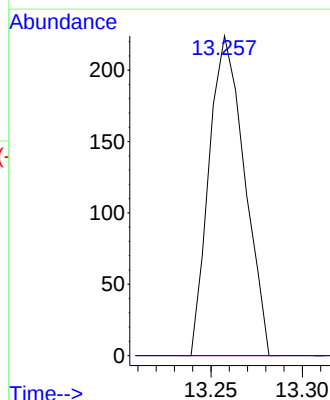
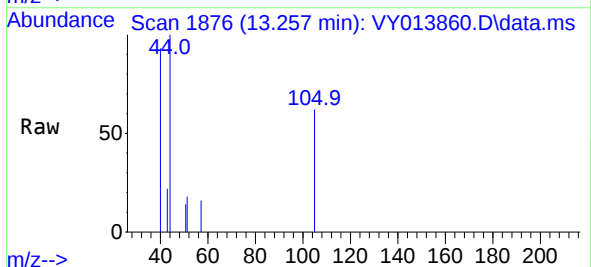
Instrument :
MSVOA_Y
ClientSampleId :
BFB

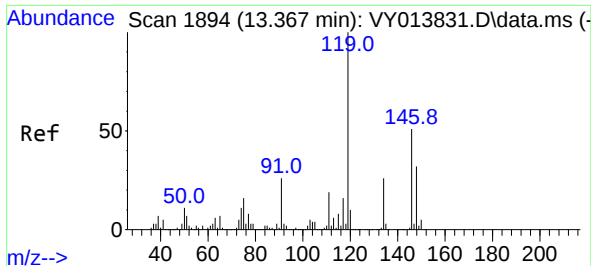
Tgt Ion:105 Resp: 223
Ion Ratio Lower Upper
105 100
120 35.4 22.4 67.3



#85
sec-Butylbenzene
Concen: 3.482 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:105 Resp: 302
Ion Ratio Lower Upper
105 100
134 0.0 10.3 30.8#

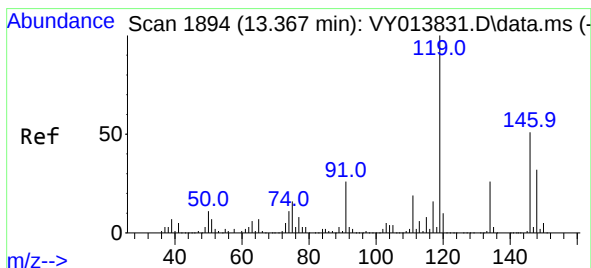
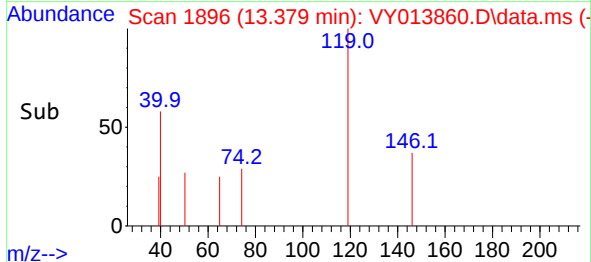
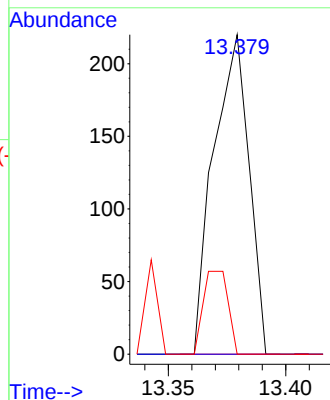
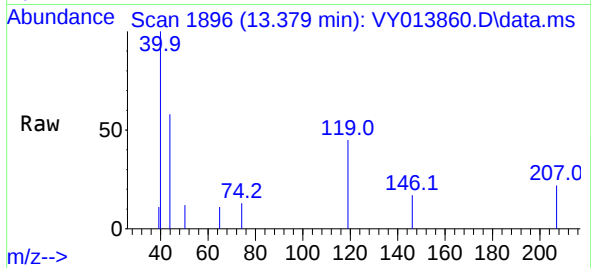




#86
p-Isopropyltoluene
Concen: 3.209 ug/l
RT: 13.379 min Scan# 119
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

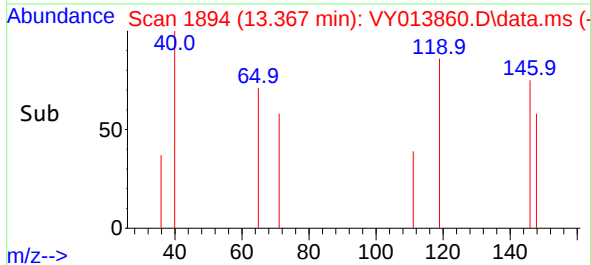
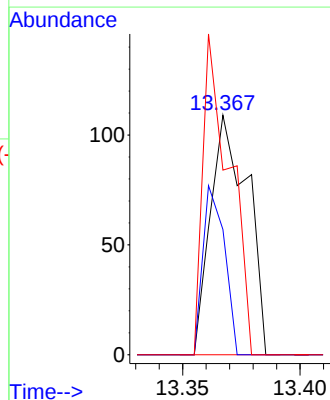
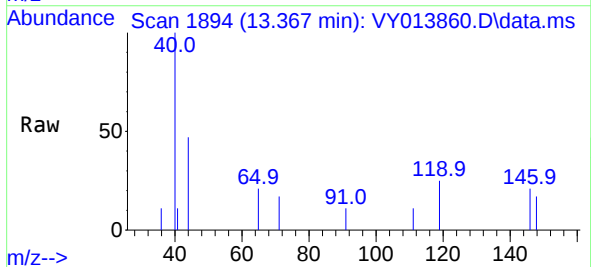
Instrument :
MSVOA_Y
ClientSampleId :
BFB

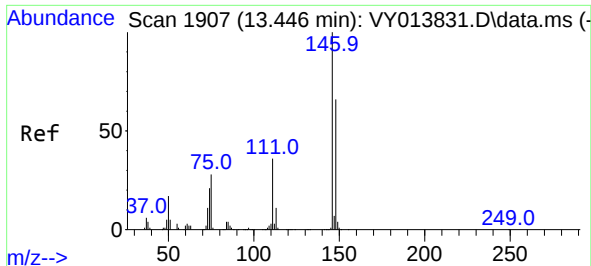
Tgt Ion:119 Resp: 230
Ion Ratio Lower Upper
119 100
134 0.0 13.3 39.9#
91 18.3 12.4 37.4



#87
1,3-Dichlorobenzene
Concen: 3.092 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:146 Resp: 119
Ion Ratio Lower Upper
146 100
111 41.2 19.1 57.5
148 97.5 31.8 95.3#

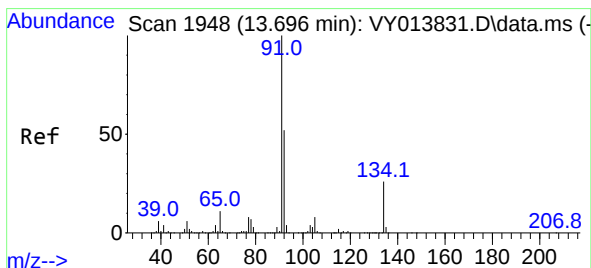
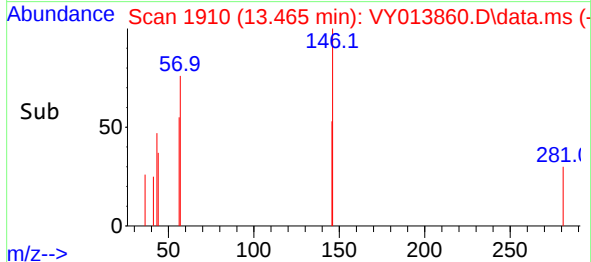
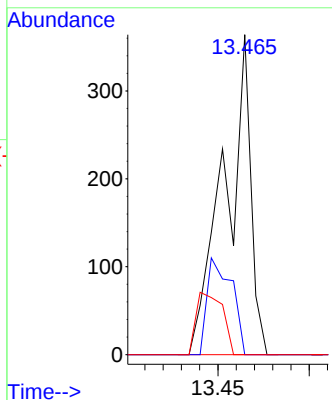
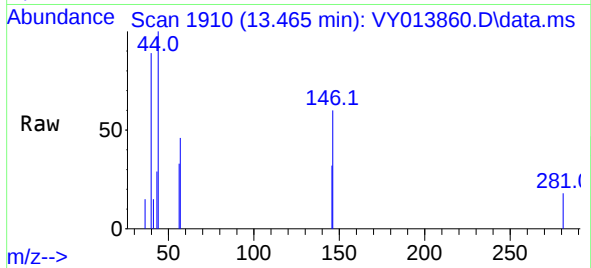




#88
1,4-Dichlorobenzene
Concen: 9.396 ug/l
RT: 13.465 min Scan# 1910
Delta R.T. 0.018 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

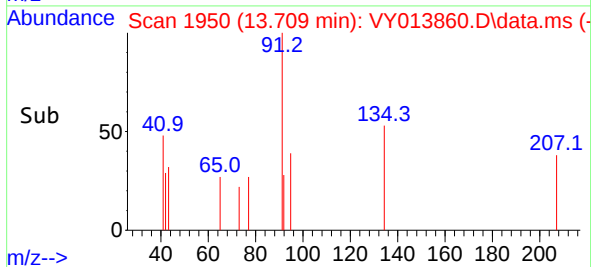
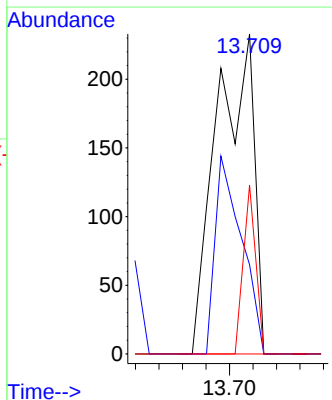
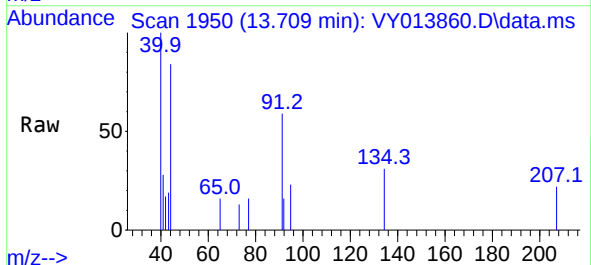
Instrument :
MSVOA_Y
ClientSampleId :
BFB

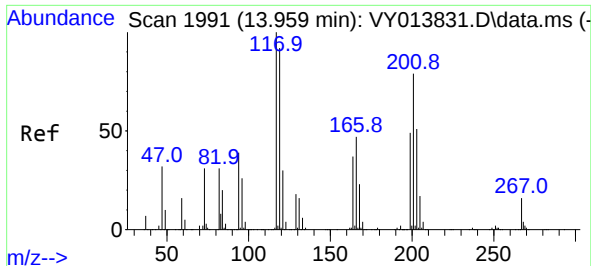
Tgt Ion:146 Resp: 360
Ion Ratio Lower Upper
146 100
111 0.0 18.6 55.8#
148 0.0 32.4 97.2#



#89
n-Butylbenzene
Concen: 3.724 ug/l
RT: 13.709 min Scan# 1950
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion: 91 Resp: 256
Ion Ratio Lower Upper
91 100
92 44.1 25.6 76.6
134 17.6 13.0 38.9

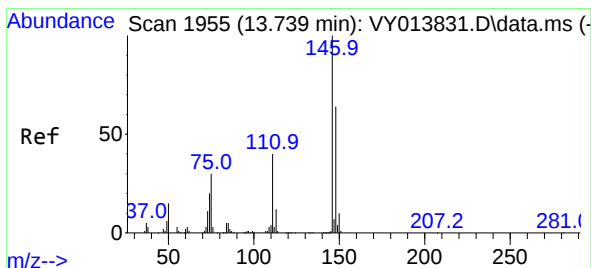
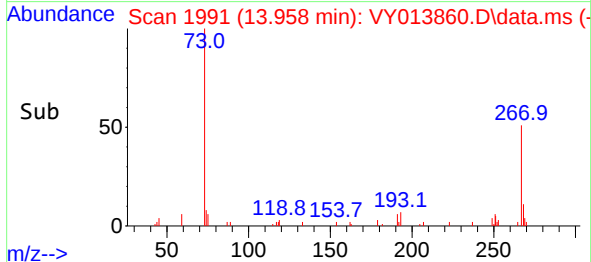
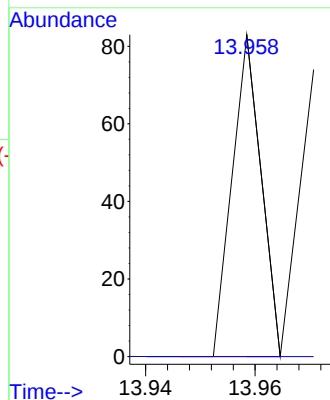
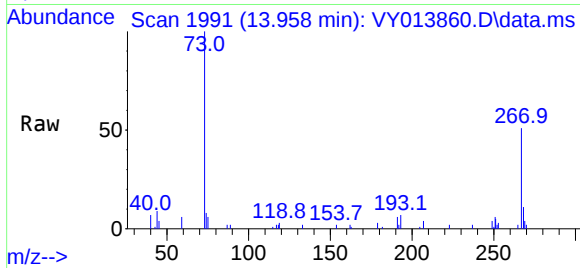




#90
Hexachloroethane
Concen: 2.039 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

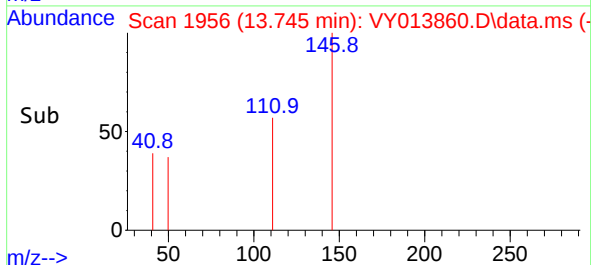
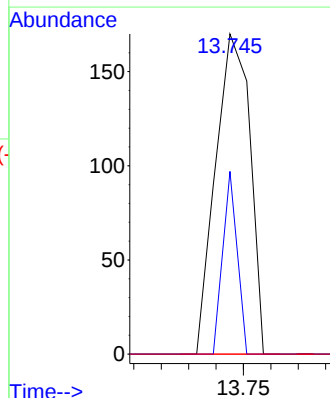
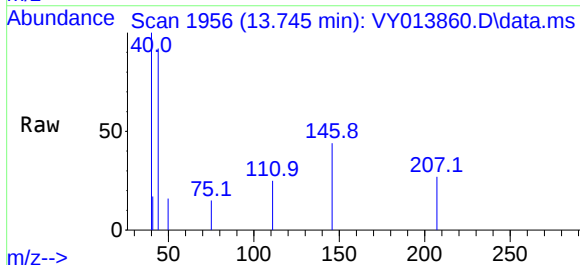
Instrument :
MSVOA_Y
ClientSampleId :
BFB

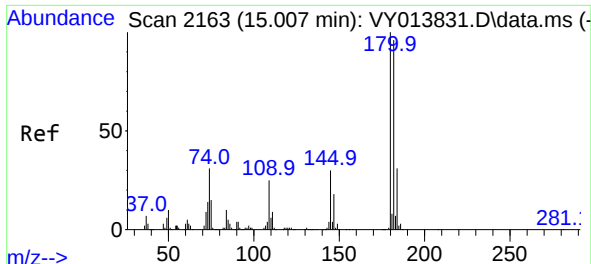
Tgt Ion:117 Resp: 30
Ion Ratio Lower Upper
117 100
201 0.0 42.3 126.8#



#91
1,2-Dichlorobenzene
Concen: 4.327 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:146 Resp: 148
Ion Ratio Lower Upper
146 100
111 23.6 19.6 58.8
148 0.0 32.1 96.5#

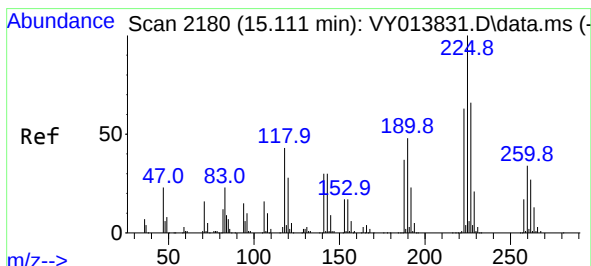
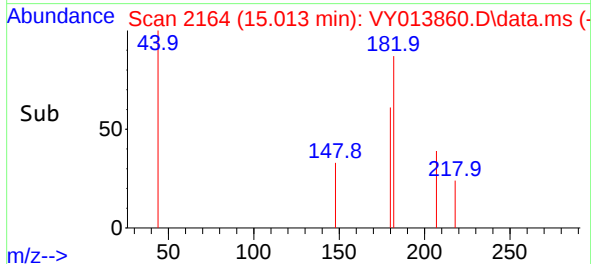
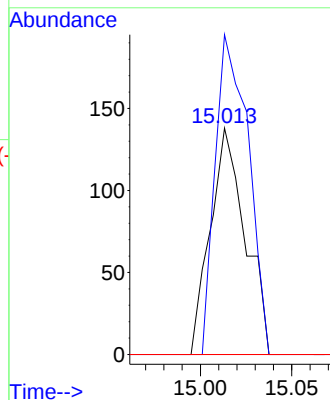
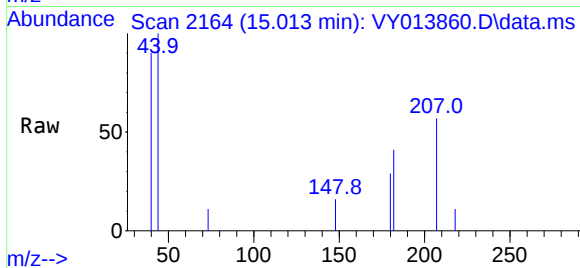




#93
1,2,4-Trichlorobenzene
Concen: 8.678 ug/l
RT: 15.013 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

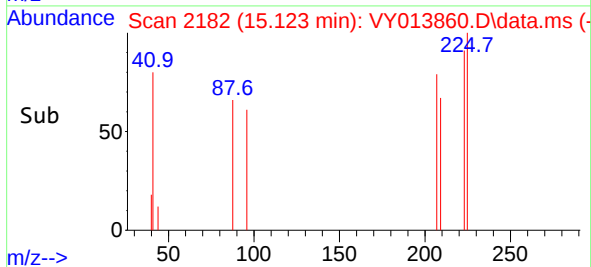
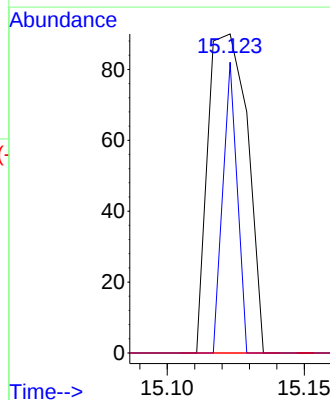
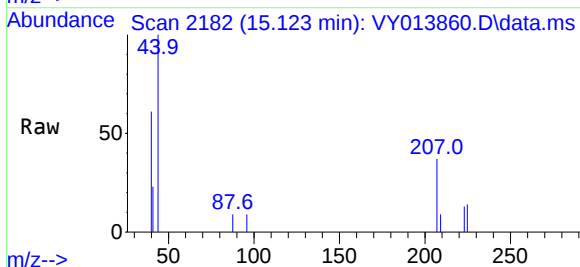
Instrument :
MSVOA_Y
ClientSampleId :
BFB

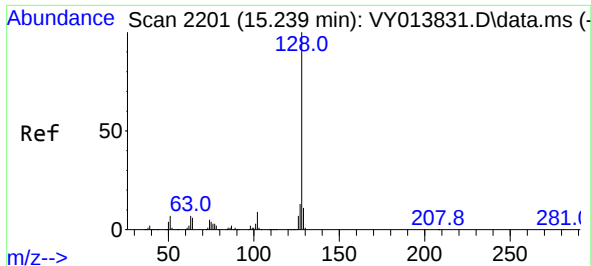
Tgt Ion:180 Resp: 184
Ion Ratio Lower Upper
180 100
182 133.2 48.1 144.3
145 0.0 14.8 44.4#



#94
Hexachlorobutadiene
Concen: 6.732 ug/l
RT: 15.123 min Scan# 2182
Delta R.T. 0.012 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:225 Resp: 90
Ion Ratio Lower Upper
225 100
223 33.3 31.3 93.9
227 0.0 32.9 98.6#

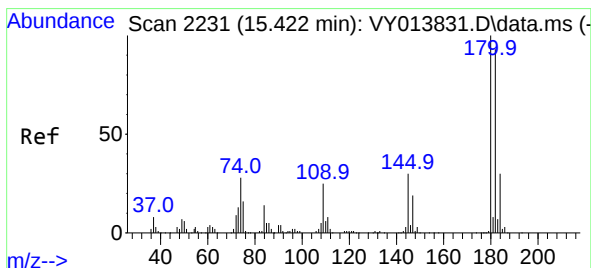
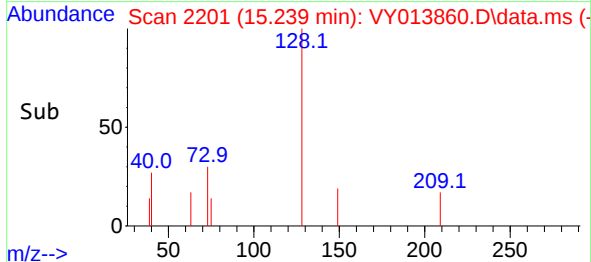
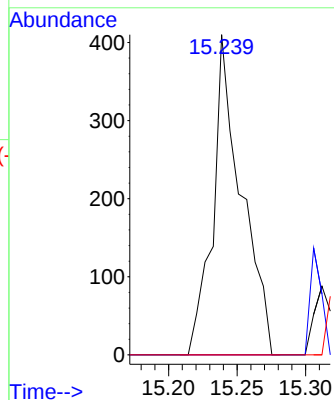
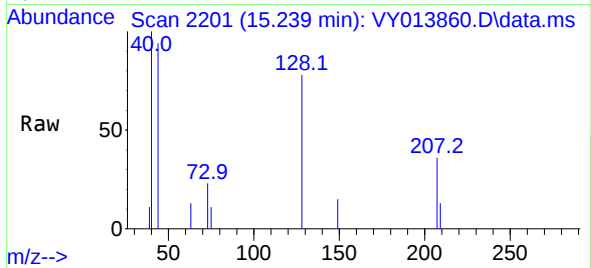




#95
Naphthalene
Concen: 16.126 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tgt Ion:128 Resp: 593
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 9.759 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY013860.D
Acq: 25 May 2023 09:14

Tgt Ion:180 Resp: 184
Ion Ratio Lower Upper
180 100
182 133.7 47.4 142.2
145 34.2 15.5 46.5

