

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014719.D
 Acq On : 20 Jul 2023 14:31
 Operator : SY/MD
 Sample : 03632-06
 Misc : 8.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-09-(3-5)

Quant Time: Jul 21 01:29:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	140791	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.703	114	271633	50.000	ug/l	# 0.02
63) Chlorobenzene-d5	11.496	117	156385	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152487	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.344	65	636872	396.961	ug/l	0.21
Spiked Amount	50.000	Range	50 - 163	Recovery	= 793.920%#	
35) Dibromofluoromethane	7.722	113	82013	47.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.860%	
50) Toluene-d8	10.227	98	1534325	240.678	ug/l	0.05
Spiked Amount	50.000	Range	58 - 134	Recovery	= 481.360%#	
62) 4-Bromofluorobenzene	12.526	95	597559	244.458	ug/l	0.05
Spiked Amount	50.000	Range	30 - 143	Recovery	= 488.920%#	

Target Compounds				Qvalue		
10) Methyl Iodide	4.082	142	326	2.567	ug/l	# 38
11) Tert butyl alcohol	4.948	59	1162	Below Cal	#	89
13) Acrolein	3.954	56	87141	519.661	ug/l	# 73
15) Acrylonitrile	5.265	53	1042477	2099.396	ug/l	# 40
16) Acetone	3.948	43	377363	742.250	ug/l	# 74
17) Carbon Disulfide	4.192	76	9160	2.308	ug/l	# 94
20) Methylene Chloride	4.704	84	31281	16.075	ug/l	# 1
23) Vinyl Acetate	6.112	43	132323	44.181	ug/l	# 83
25) 2-Butanone	7.009	43	2929919	3939.166	ug/l	# 50
28) Bromochloromethane	7.374	49	1939	1.572	ug/l	# 14
29) Tetrahydrofuran	7.374	42	23488	51.285	ug/l	# 35
30) Chloroform	7.496	83	3289681	1113.999	ug/l	# 23
31) Cyclohexane	7.984	56	72057103	27055.930	ug/l	# 19
36) 1,1-Dichloropropene	7.789	75	21881	8.462	ug/l	# 33
37) Ethyl Acetate	7.009	43	2929919	1645.674	ug/l	# 71
38) Carbon Tetrachloride	7.807	117	14881	5.444	ug/l	# 16
39) Methylcyclohexane	9.185	83	16092114	4776.633	ug/l	# 71
40) Benzene	8.203	78	64152	8.723	ug/l	# 52
41) Methacrylonitrile	7.289	41	164815	179.978	ug/l	# 43
42) 1,2-Dichloroethane	8.319	62	66350	28.489	ug/l	# 1
43) Isopropyl Acetate	8.319	43	5318863	1568.310	ug/l	# 55
45) 1,2-Dichloropropane	9.197	63	449003	233.807	ug/l	# 1
46) Dibromomethane	9.240	93	72382	62.130	ug/l	# 2
47) Bromodichloromethane	9.563	83	10531126	3835.333	ug/l	# 48
48) Methyl methacrylate	9.307	41	39806175	26084.273	ug/l	# 13
49) 1,4-Dioxane	9.313	88	99	5.211	ug/l	# 36
51) 4-Methyl-2-Pentanone	10.185	43	8300969	4661.716	ug/l	# 89
52) Toluene	10.282	92	151320	32.154	ug/l	# 1
53) t-1,3-Dichloropropene	10.508	75	6831	2.274	ug/l	# 1
54) cis-1,3-Dichloropropene	9.953	75	17937	5.492	ug/l	# 1
55) 1,1,2-Trichloroethane	10.654	97	8706324	5364.920	ug/l	# 29
56) Ethyl methacrylate	10.471	69	11917897	4809.909	ug/l	# 58
57) 1,3-Dichloropropane	10.807	76	9503	3.395	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.795	63	142821	123.708	ug/l	# 49
59) 2-Hexanone	10.849	43	14620499	11259.010	ug/l	# 34
60) Dibromochloromethane	10.941	129	104641	52.591	ug/l	# 11

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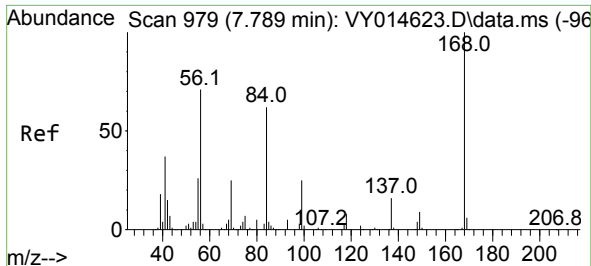
Quant Time: Jul 21 01:29:42 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
61) 1,2-Dibromoethane	11.093	107	117976	72.873	ug/l	#	1
65) Chlorobenzene	11.435	112	236958	71.105	ug/l	#	54
67) Ethyl Benzene	11.617	91	9469672	1573.846	ug/l	#	88
68) m/p-Xylenes	11.721	106	1656109	721.051	ug/l		93
69) o-Xylene	12.044	106	47183	21.091	ug/l	#	1
70) Styrene	12.203	104	7632	2.024	ug/l	#	1
73) Isopropylbenzene	12.343	105	13496385	1130.369	ug/l		94
74) N-amyl acetate	12.148	43	5783040	1446.172	ug/l	#	46
75) 1,1,2,2-Tetrachloroethane	12.544	83	206697	75.913	ug/l	#	26
76) 1,2,3-Trichloropropane	12.684	75	286802	148.921	ug/l	#	100
77) Bromobenzene	12.593	156	42849	15.722	ug/l	#	1
78) n-propylbenzene	12.776	91	1721322	119.639	ug/l	#	1
79) 2-Chlorotoluene	12.526	91	328010	39.581	ug/l		82
80) 1,3,5-Trimethylbenzene	12.776	105	12189708	1222.460	ug/l		78
81) trans-1,4-Dichloro-2-b...	12.343	75	172018	172.939	ug/l	#	1
82) 4-Chlorotoluene	12.776	91	1721322	201.684	ug/l	#	40
83) tert-Butylbenzene	13.081	119	106880	12.083	ug/l	#	18
84) 1,2,4-Trimethylbenzene	12.977	105	13331324	1362.311	ug/l		86
85) sec-Butylbenzene	13.257	105	3859196	297.421	ug/l	#	47
86) p-Isopropyltoluene	13.318	119	1894604	178.836	ug/l		97
89) n-Butylbenzene	13.696	91	6946109	673.918	ug/l	#	87
90) Hexachloroethane	13.971	117	1398649	642.753	ug/l	#	8
92) 1,2-Dibromo-3-Chloropr...	14.373	75	18025	34.616	ug/l	#	9
95) Naphthalene	15.233	128	6987002	972.120	ug/l		98

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

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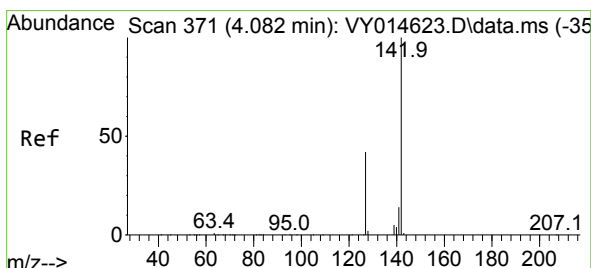
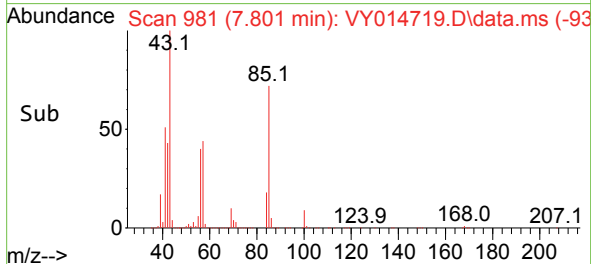
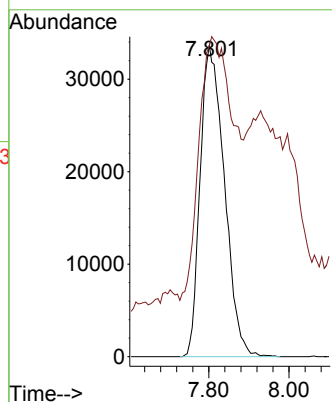
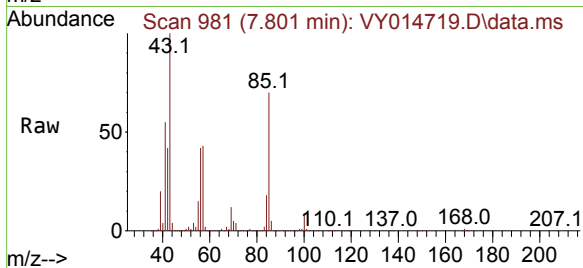




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

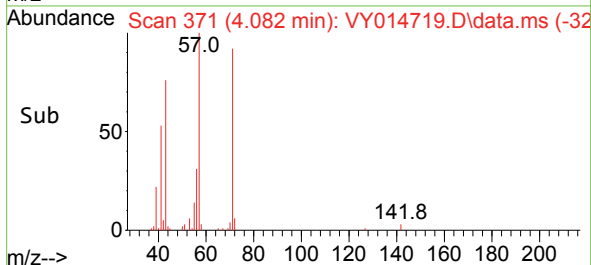
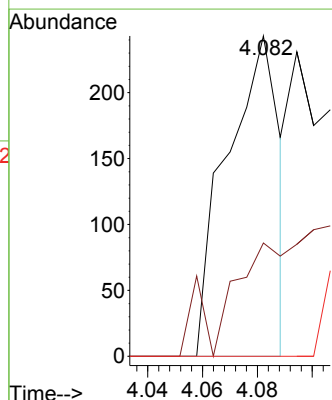
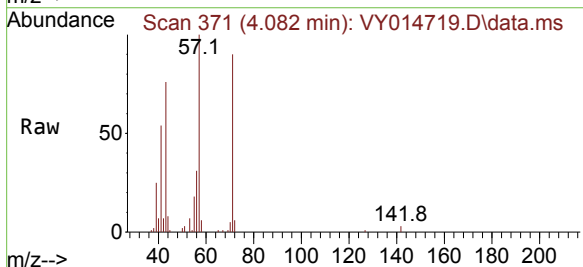
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

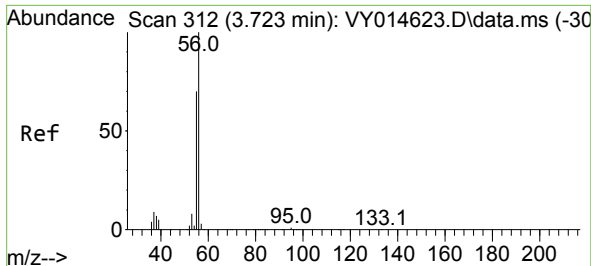
Tgt Ion:168 Resp: 140791
Ion Ratio Lower Upper
168 100
99 81.7 43.4 65.0#



#10
Methyl Iodide
Concen: 2.567 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion:142 Resp: 326
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

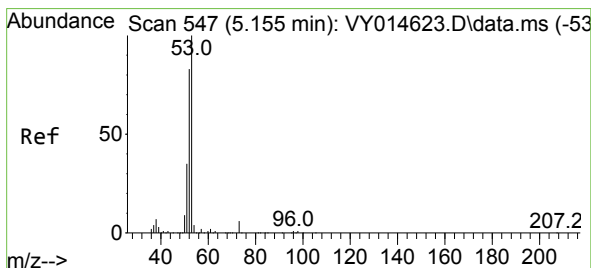
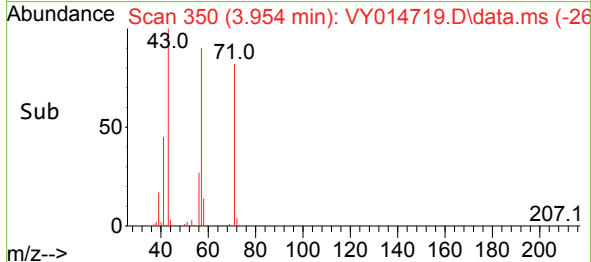
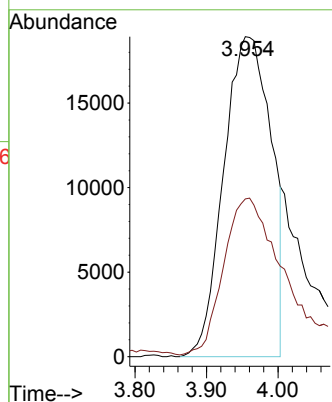
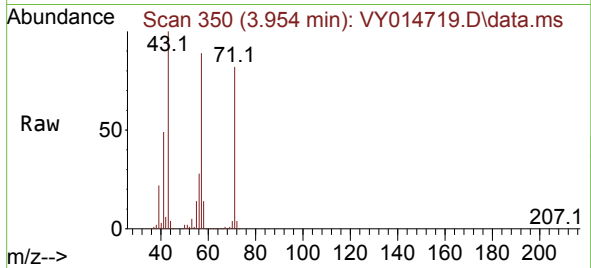




#13
Acrolein
Concen: 519.661 ug/l
RT: 3.954 min Scan# 312
Delta R.T. 0.231 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

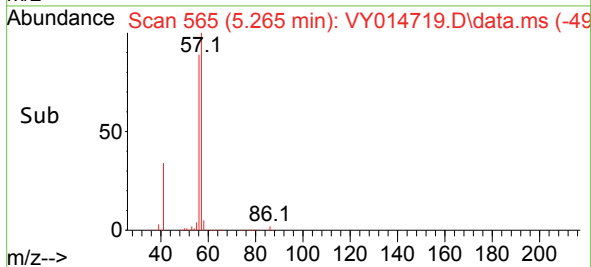
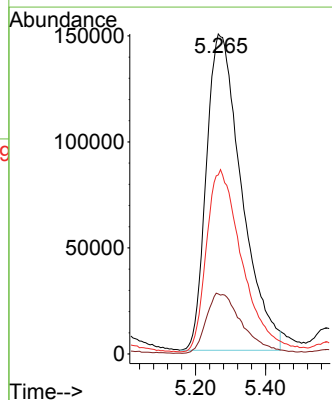
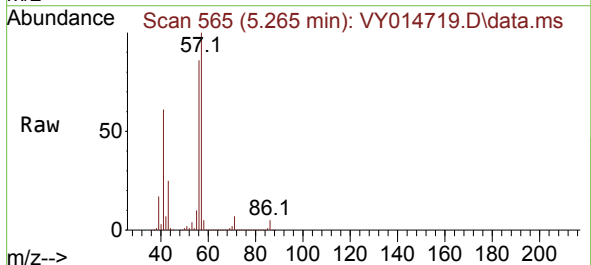
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ClientSampleId :
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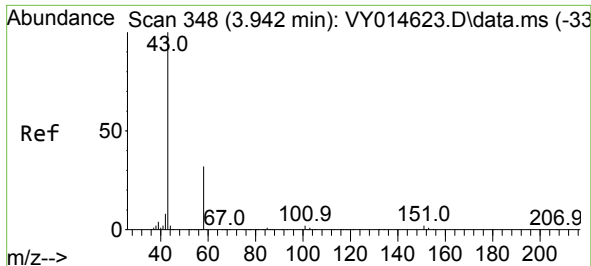
Tgt Ion: 56 Resp: 87141
Ion Ratio Lower Upper
56 100
55 48.7 57.0 85.4#



#15
Acrylonitrile
Concen: 2099.396 ug/l
RT: 5.265 min Scan# 565
Delta R.T. 0.110 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 53 Resp: 1042477
Ion Ratio Lower Upper
53 100
52 19.2 66.9 100.3#
51 57.4 29.8 44.6#

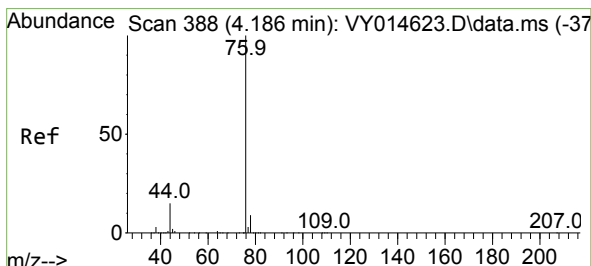
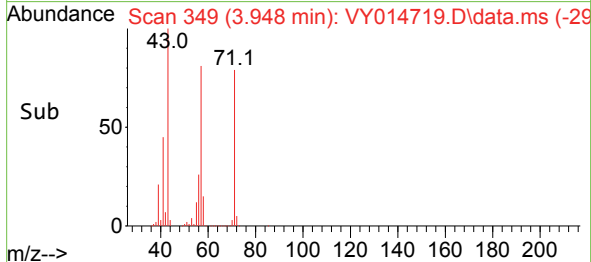
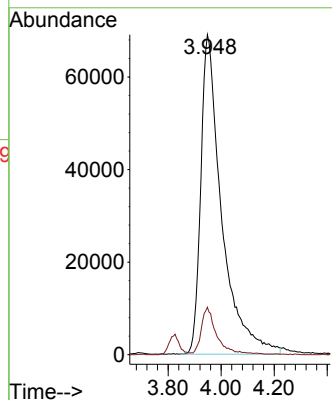
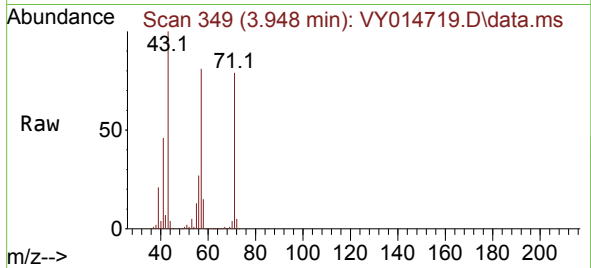




#16
Acetone
Concen: 742.250 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

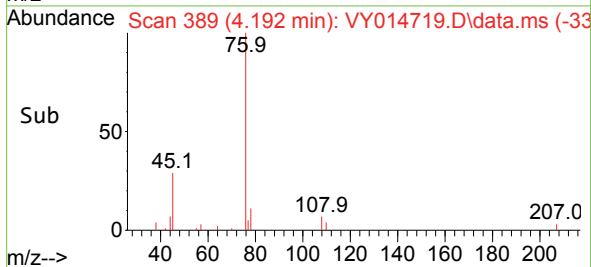
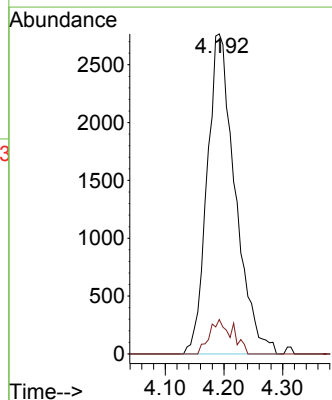
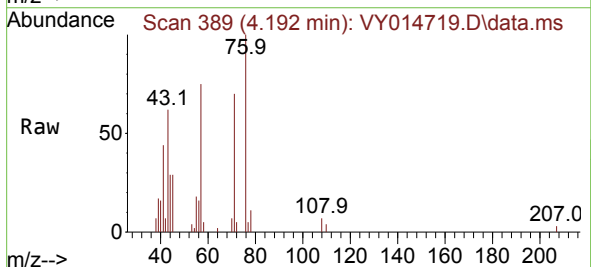
Instrument :
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ClientSampleId :
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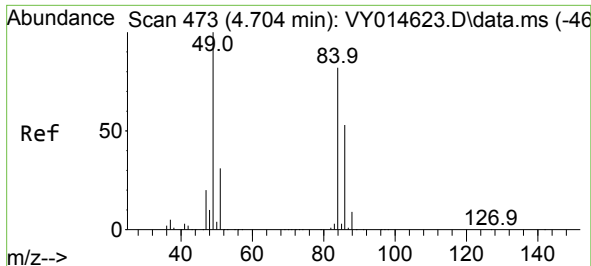
Tgt Ion: 43 Resp: 377363
Ion Ratio Lower Upper
43 100
58 14.7 22.7 34.1#



#17
Carbon Disulfide
Concen: 2.308 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 76 Resp: 9160
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.4#

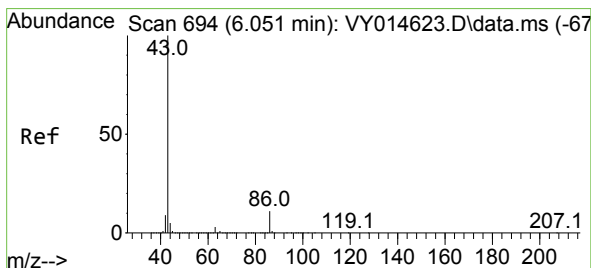
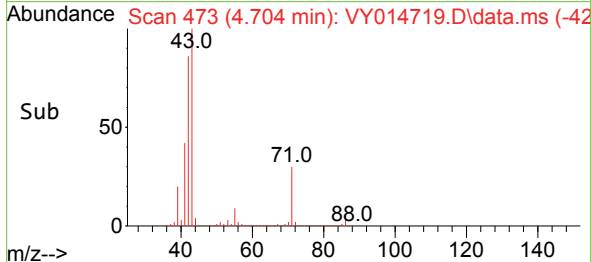
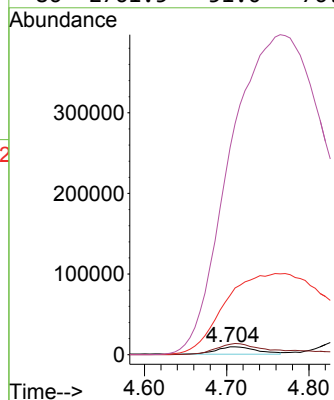
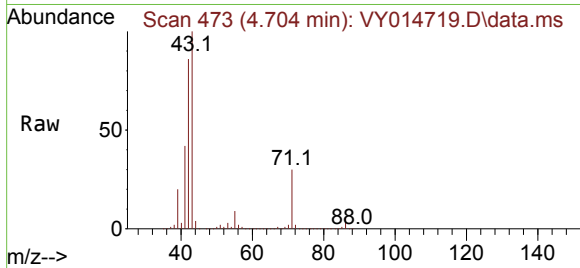




#20
Methylene Chloride
Concen: 16.075 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

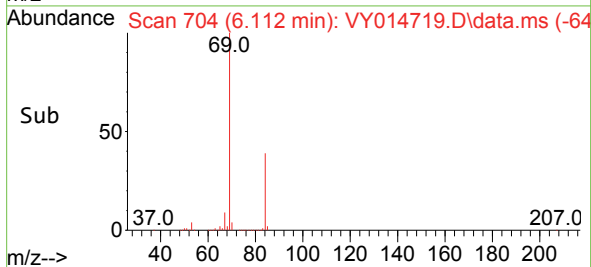
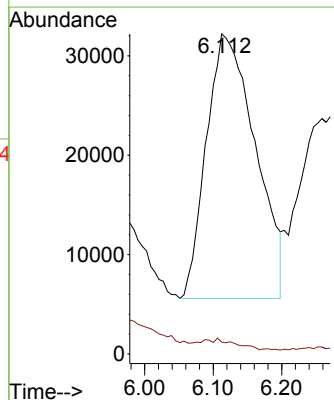
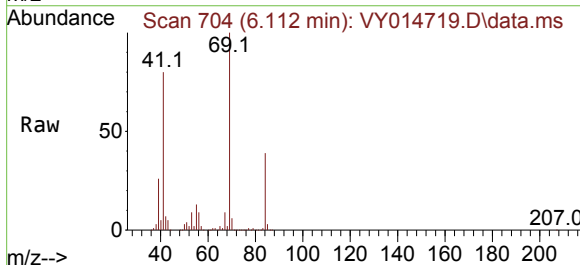
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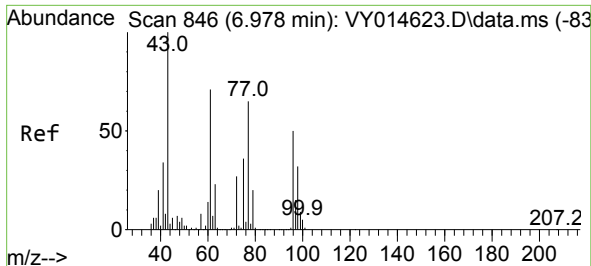
Tgt Ion: 84 Resp: 31281
Ion Ratio Lower Upper
84 100
49 141.2 106.9 160.3
51 789.1 33.2 49.8#
86 2761.5 51.0 76.6#



#23
Vinyl Acetate
Concen: 44.181 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.061 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 43 Resp: 132323
Ion Ratio Lower Upper
43 100
86 3.1 7.5 11.3#

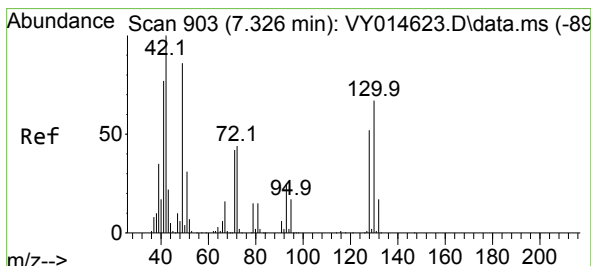
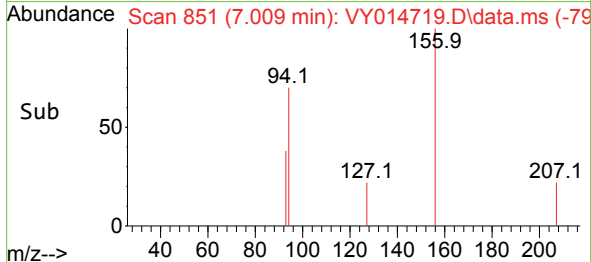
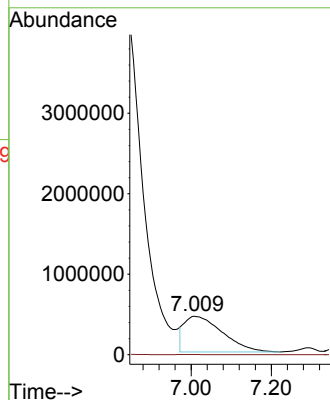
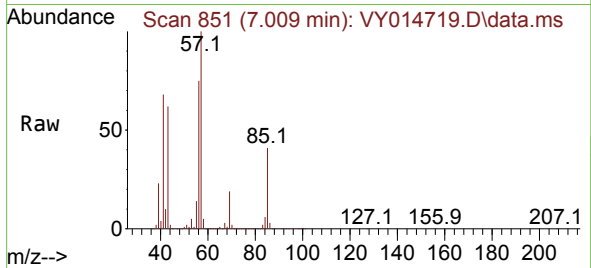




#25
2-Butanone
Concen: 3939.166 ug/l
RT: 7.009 min Scan# 81
Delta R.T. 0.031 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

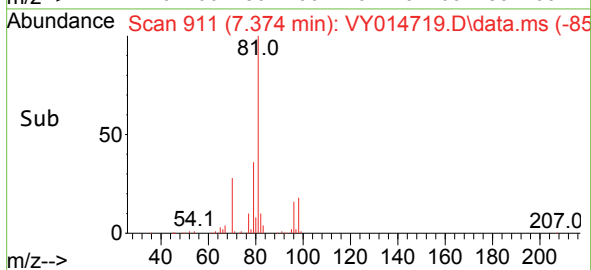
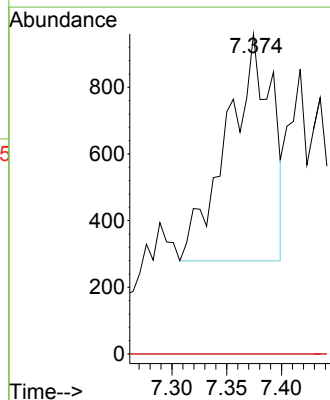
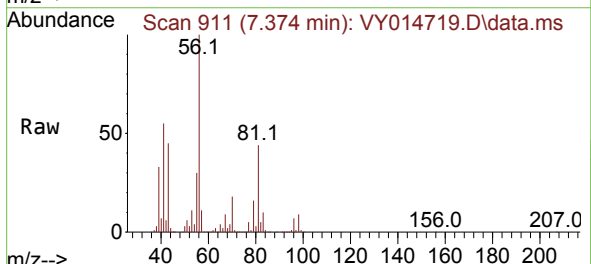
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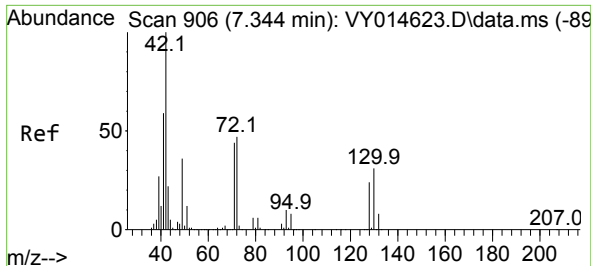
Tgt Ion: 43 Resp: 2929919
Ion Ratio Lower Upper
43 100
72 0.4 20.5 30.7#



#28
Bromochloromethane
Concen: 1.572 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.048 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 49 Resp: 1939
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 60.7 91.1#





#29

Tetrahydrofuran

Concen: 51.285 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.030 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

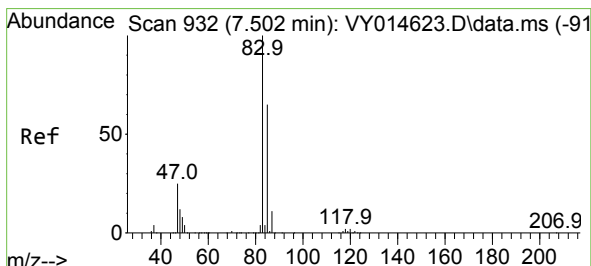
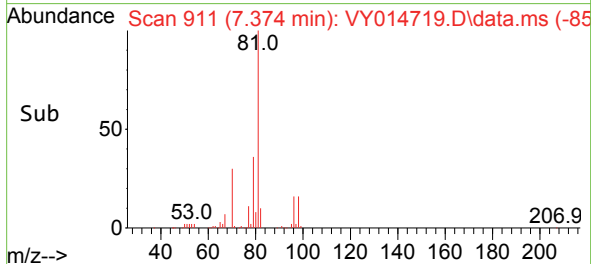
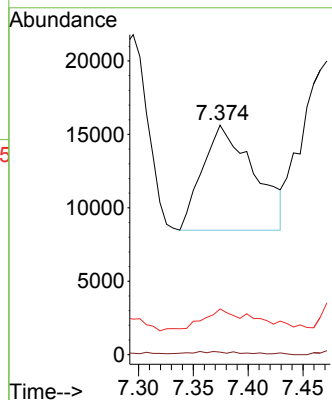
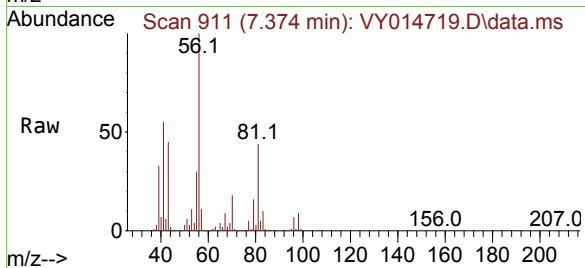
Tgt Ion: 42 Resp: 23488

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#30

Chloroform

Concen: 1113.999 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY014719.D

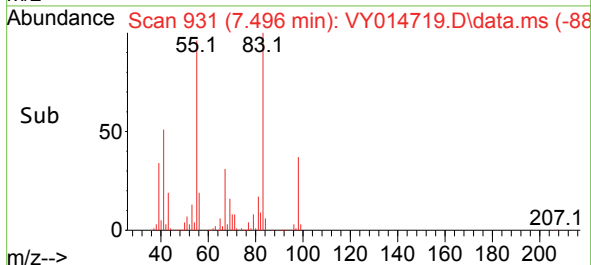
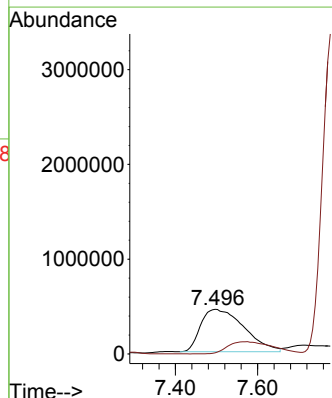
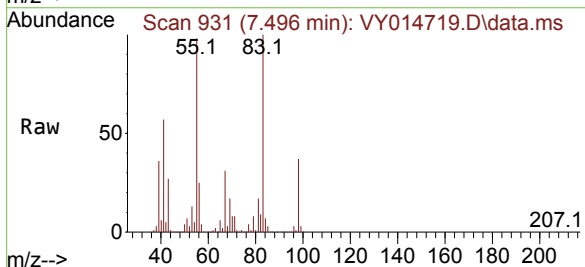
Acq: 20 Jul 2023 14:31

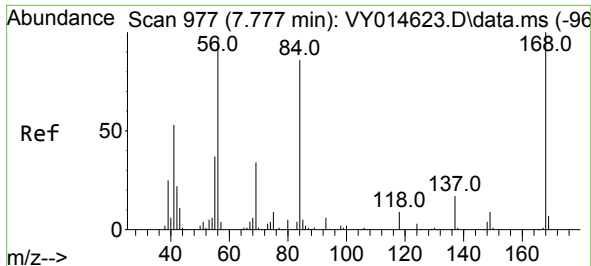
Tgt Ion: 83 Resp: 3289681

Ion Ratio Lower Upper

83 100

85 2.6 49.7 74.5#

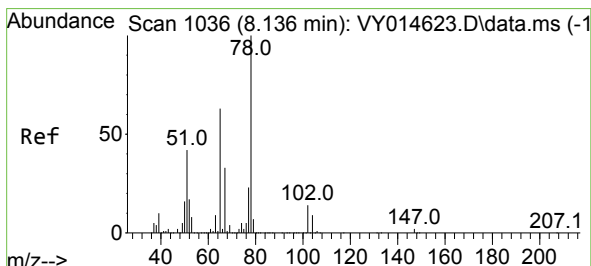
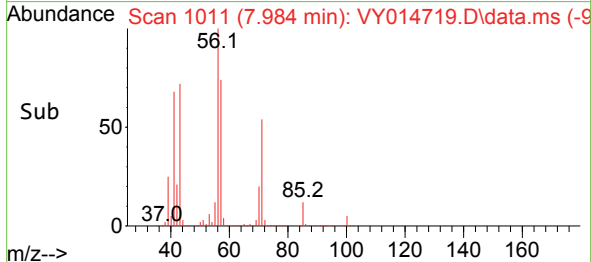
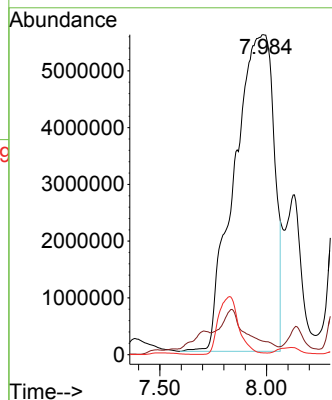
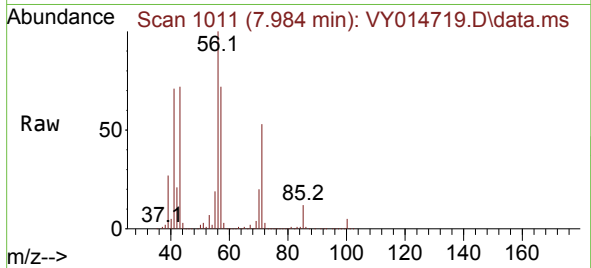




#31
Cyclohexane
Concen: 27055.930 ug/l
RT: 7.984 min Scan# 1011
Delta R.T. 0.207 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

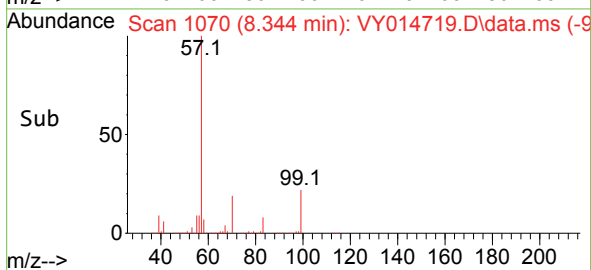
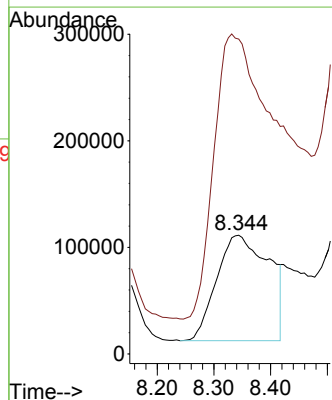
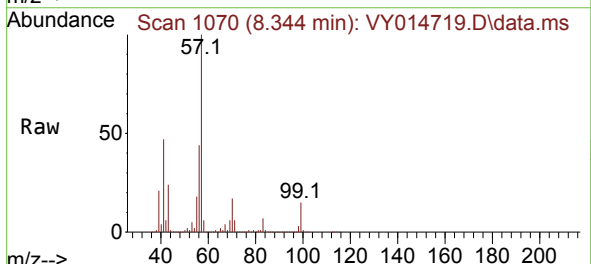
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

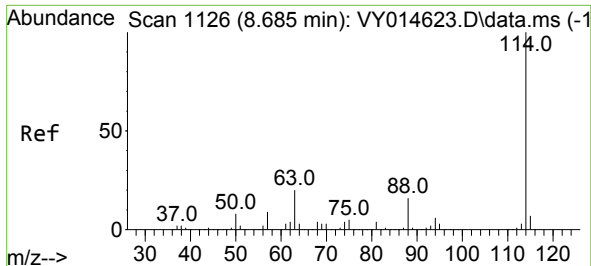
Tgt Ion: 56 Resp: 72057103
Ion Ratio Lower Upper
56 100
69 2.4 27.8 41.6#
84 0.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 396.961 ug/l
RT: 8.344 min Scan# 1070
Delta R.T. 0.208 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 65 Resp: 636872
Ion Ratio Lower Upper
65 100
67 273.4 0.0 101.8#





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1126

Delta R.T. 0.018 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

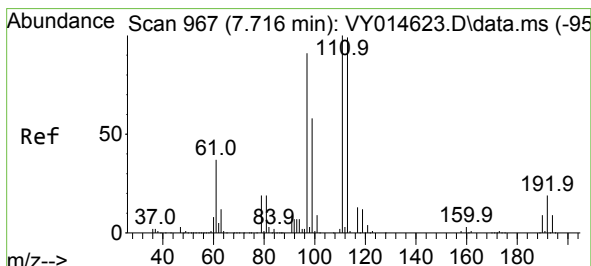
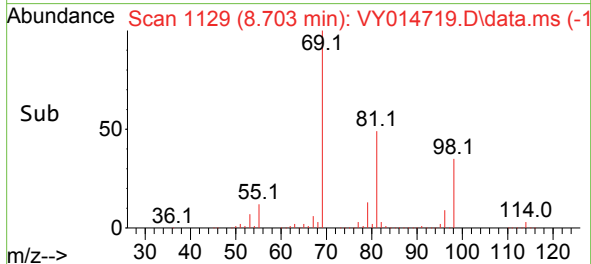
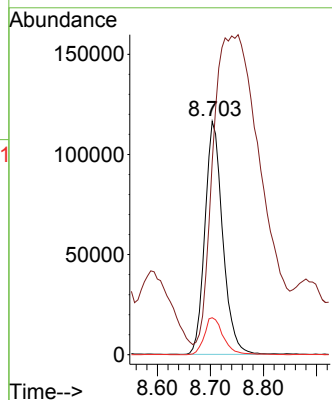
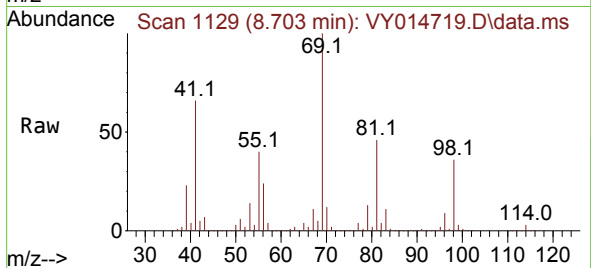
Tgt Ion:114 Resp: 271633

Ion Ratio Lower Upper

114 100

63 70.1 0.0 42.4#

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.430 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

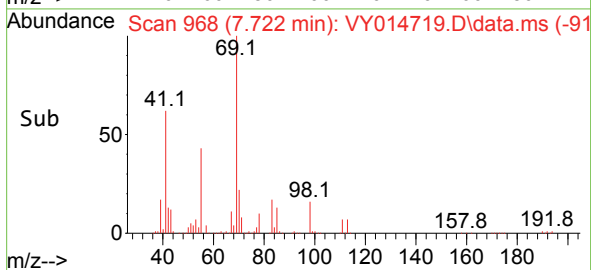
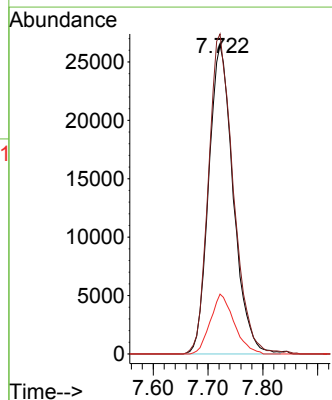
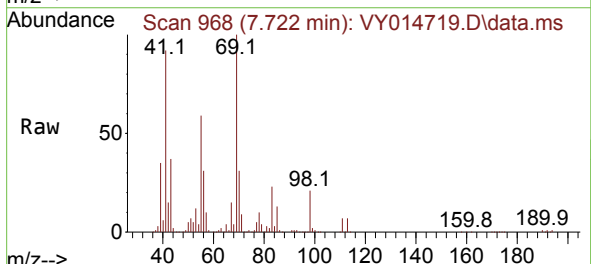
Tgt Ion:113 Resp: 82013

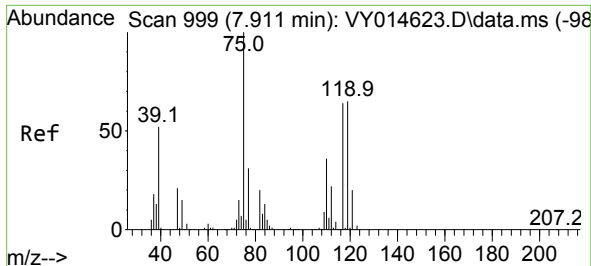
Ion Ratio Lower Upper

113 100

111 105.0 81.3 121.9

192 18.8 16.9 25.3

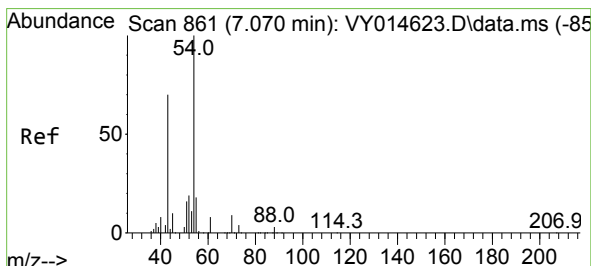
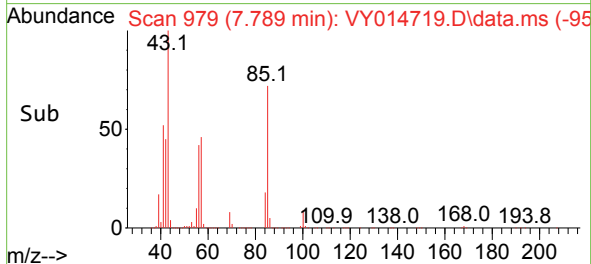
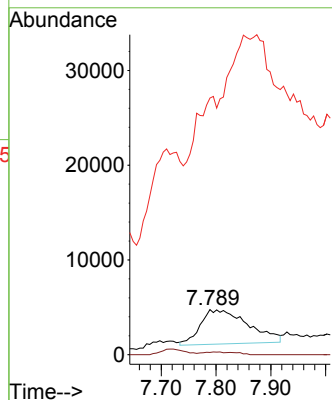
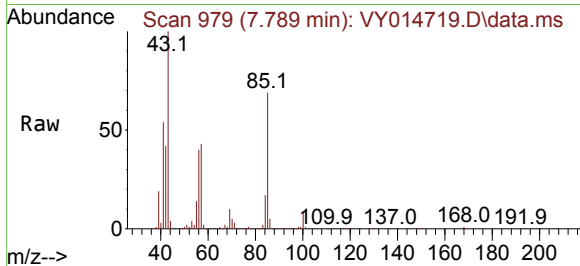




#36
1,1-Dichloropropene
Concen: 8.462 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

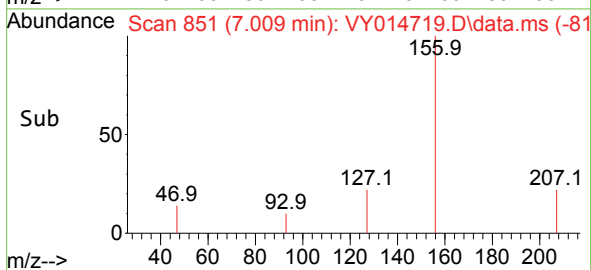
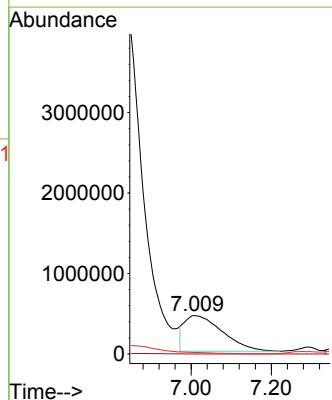
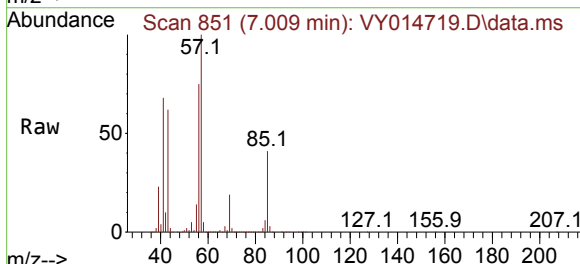
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

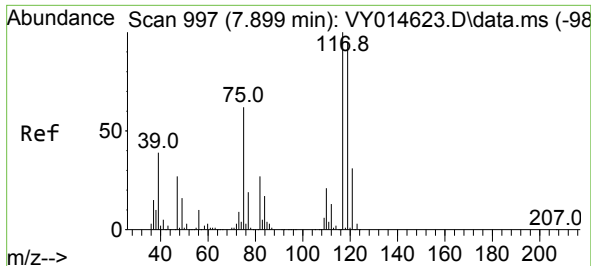
Tgt Ion: 75 Resp: 21881
Ion Ratio Lower Upper
75 100
110 1.6 17.8 53.5#
77 72.6 24.4 36.6#



#37
Ethyl Acetate
Concen: 1645.674 ug/l
RT: 7.009 min Scan# 851
Delta R.T. -0.061 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 43 Resp: 2929919
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

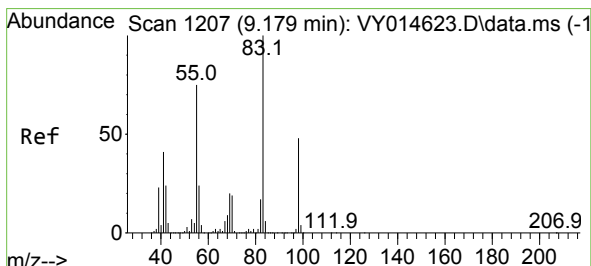
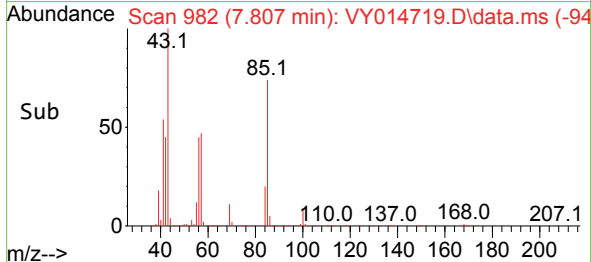
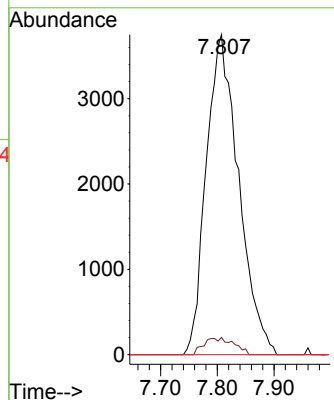
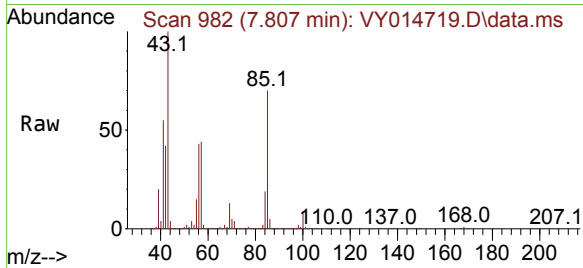




#38
Carbon Tetrachloride
Concen: 5.444 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

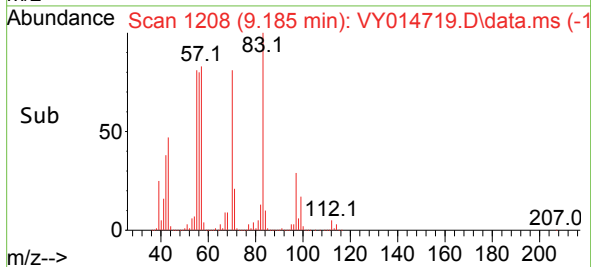
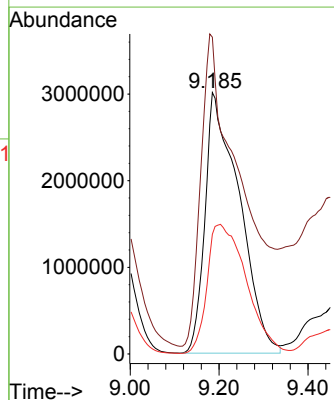
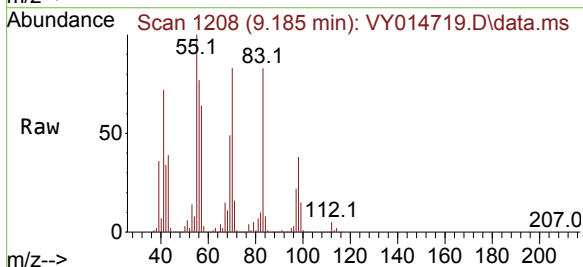
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

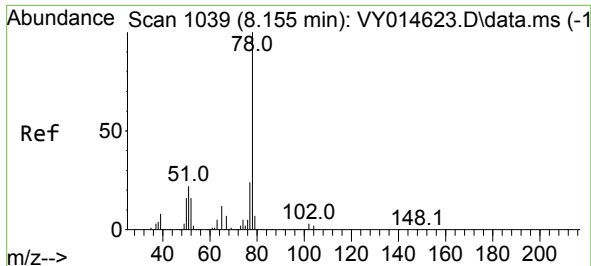
Tgt Ion:117 Resp: 14881
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 4776.633 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 83 Resp:16092114
Ion Ratio Lower Upper
83 100
55 118.6 63.0 94.4#
98 45.7 37.4 56.2

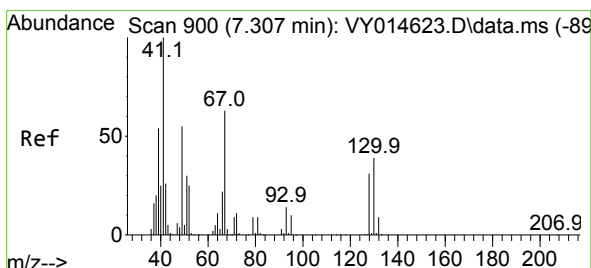
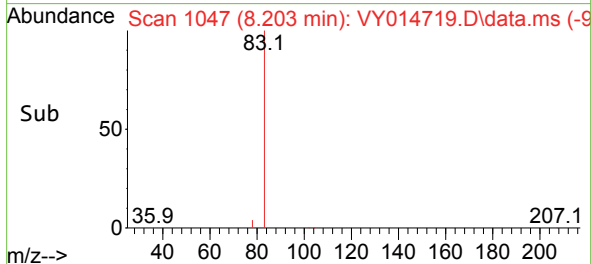
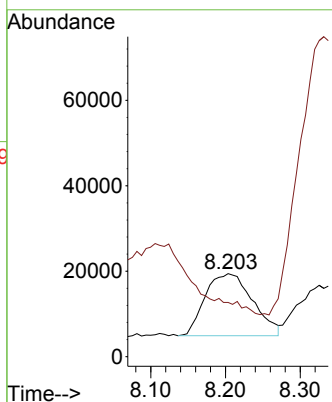
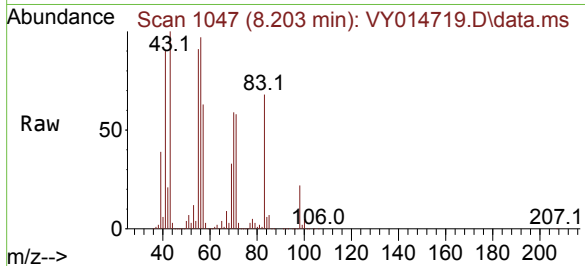




#40
Benzene
Concen: 8.723 ug/l
RT: 8.203 min Scan# 1047
Delta R.T. 0.048 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

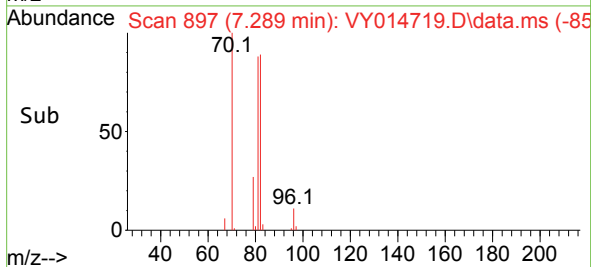
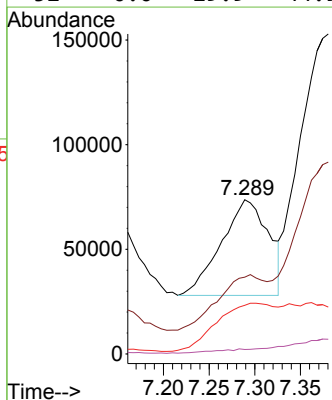
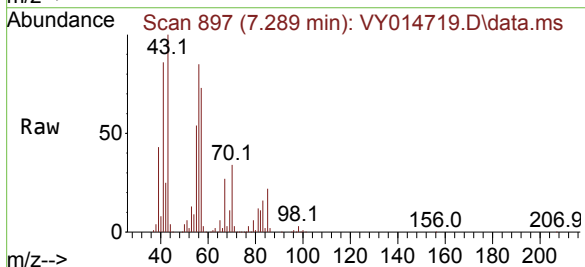
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

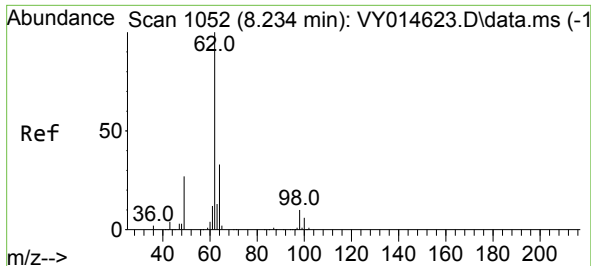
Tgt Ion: 78 Resp: 64152
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



#41
Methacrylonitrile
Concen: 179.978 ug/l
RT: 7.289 min Scan# 897
Delta R.T. -0.018 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 41 Resp: 164815
Ion Ratio Lower Upper
41 100
39 57.1 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#42

1,2-Dichloroethane

Concen: 28.489 ug/l

RT: 8.319 min Scan# 1066

Delta R.T. 0.085 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

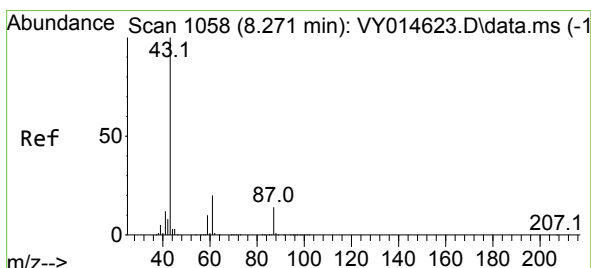
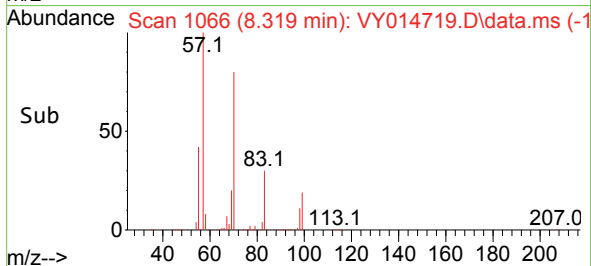
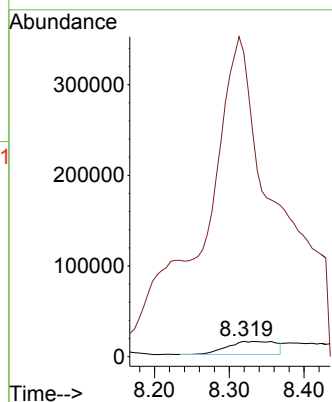
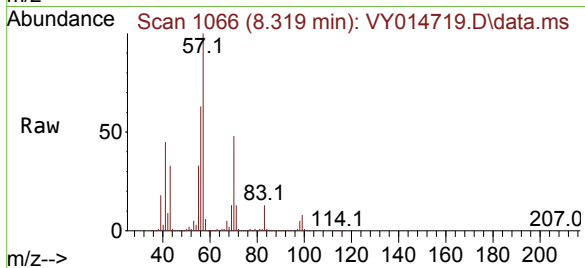
SB-09-(3-5)

Tgt Ion: 62 Resp: 66350

Ion Ratio Lower Upper

62 100

98 2974.8 0.0 15.8#



#43

Isopropyl Acetate

Concen: 1568.310 ug/l

RT: 8.319 min Scan# 1066

Delta R.T. 0.048 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

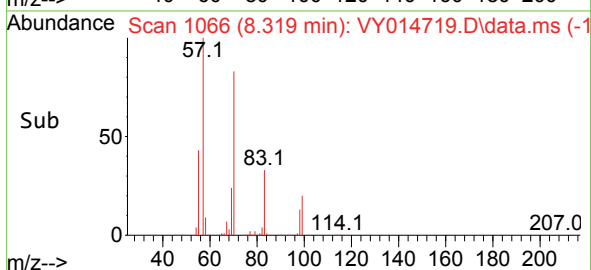
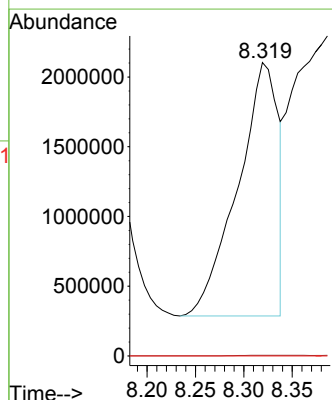
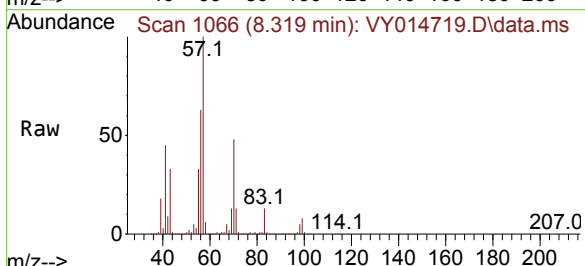
Tgt Ion: 43 Resp: 5318863

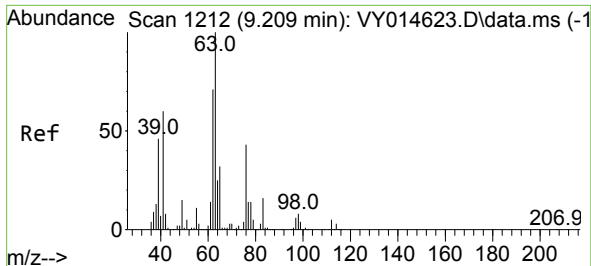
Ion Ratio Lower Upper

43 100

61 0.2 21.1 31.7#

87 0.0 9.8 14.8#

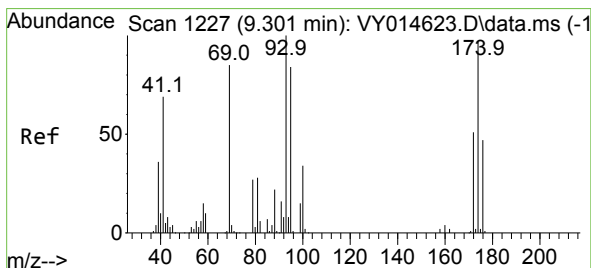
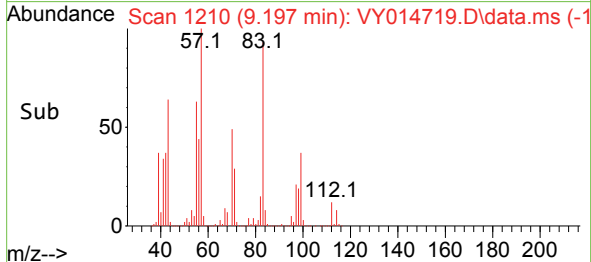
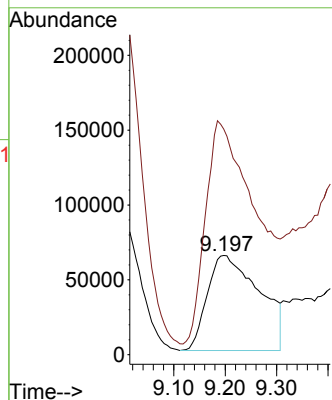
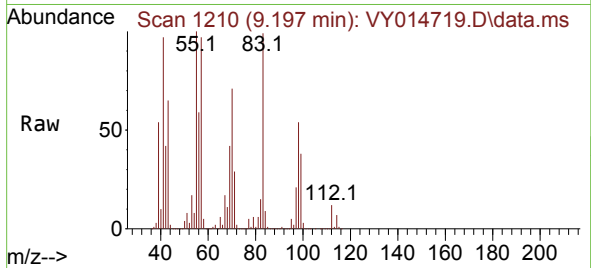




#45
1,2-Dichloropropane
Concen: 233.807 ug/l
RT: 9.197 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

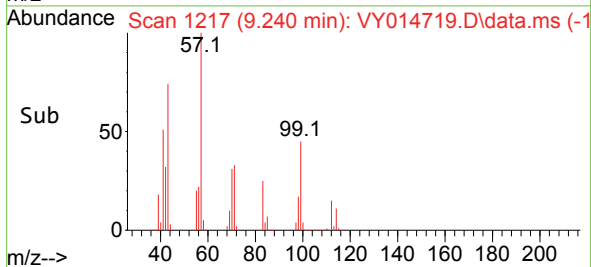
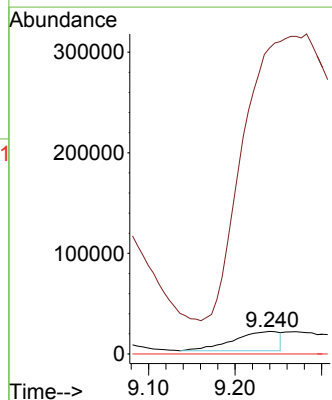
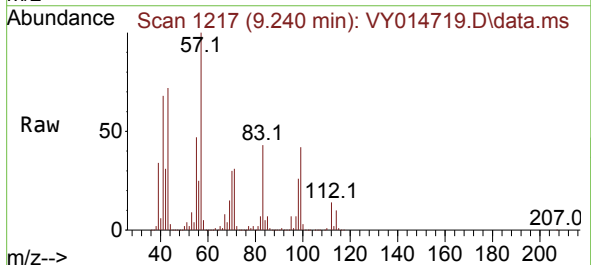
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

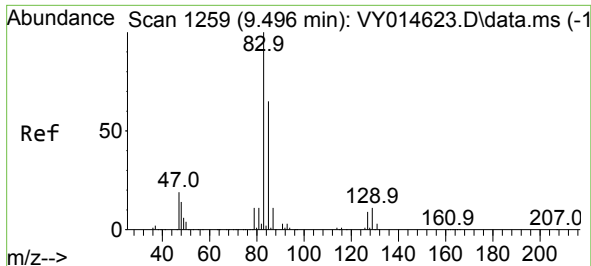
Tgt Ion: 63 Resp: 449003
Ion Ratio Lower Upper
63 100
65 226.0 23.8 35.6#



#46
Dibromomethane
Concen: 62.130 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.061 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 93 Resp: 72382
Ion Ratio Lower Upper
93 100
95 0.0 66.6 100.0#
174 0.0 84.8 127.2#

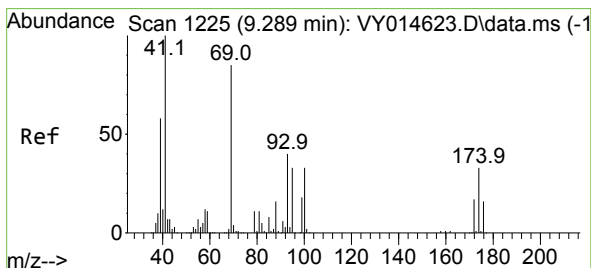
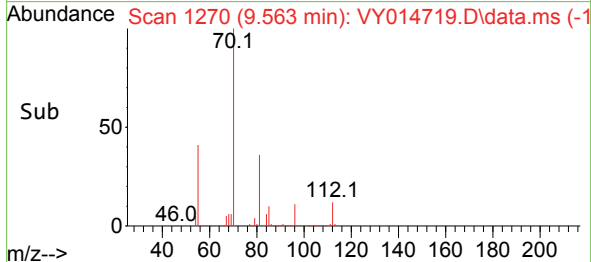
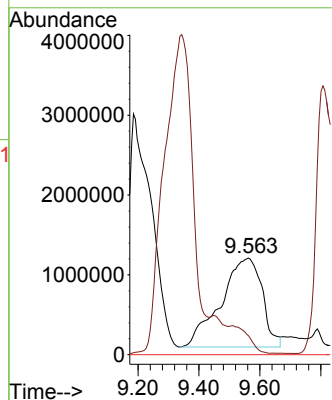
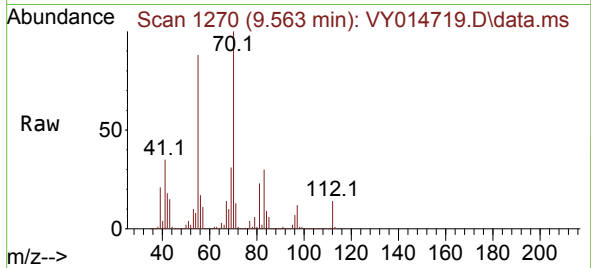




#47
Bromodichloromethane
Concen: 3835.333 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.067 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

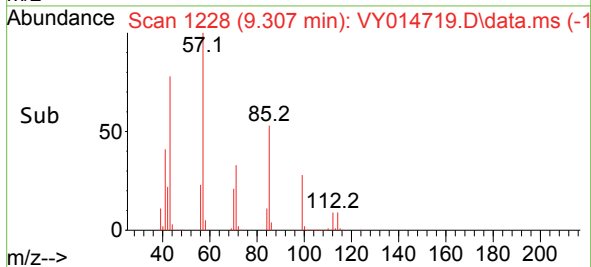
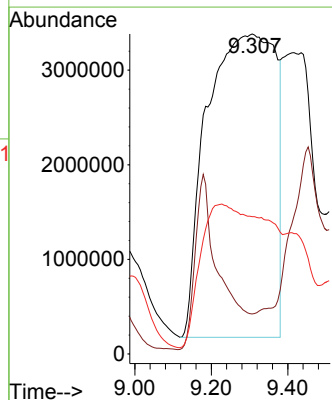
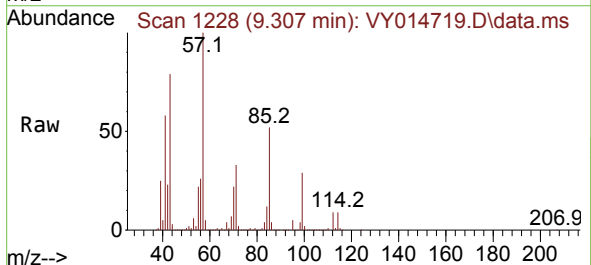
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

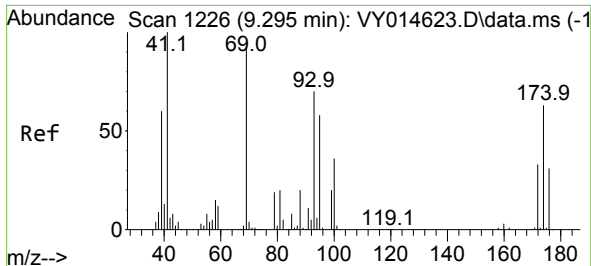
Tgt Ion: 83 Resp:10531126
Ion Ratio Lower Upper
83 100
85 19.5 50.1 75.1#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 26084.273 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.018 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 41 Resp:39806175
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#





#49

1,4-Dioxane

Concen: 5.211 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

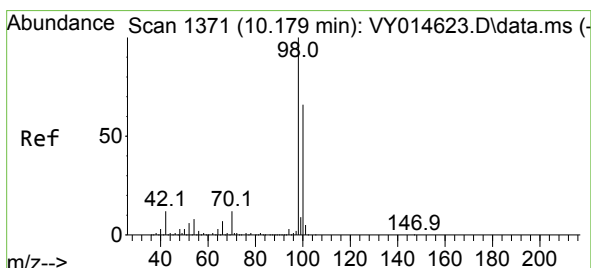
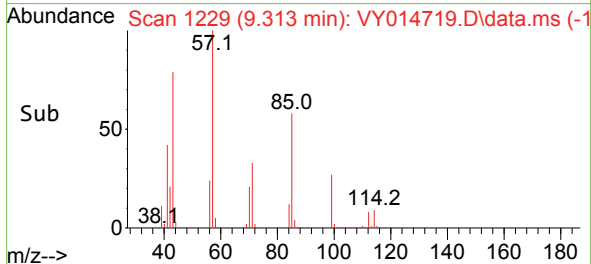
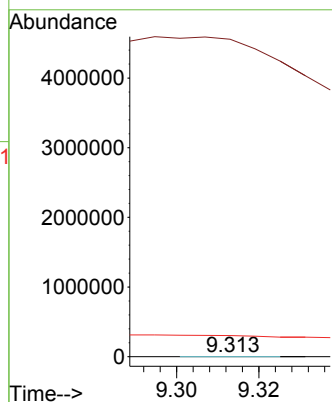
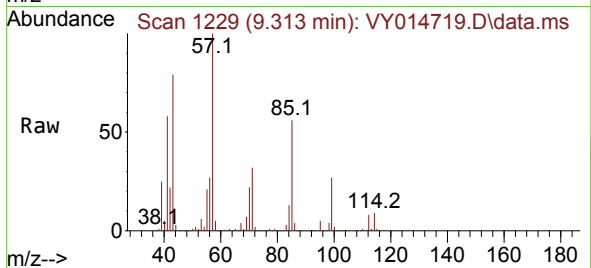
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 240.678 ug/l

RT: 10.227 min Scan# 1379

Delta R.T. 0.048 min

Lab File: VY014719.D

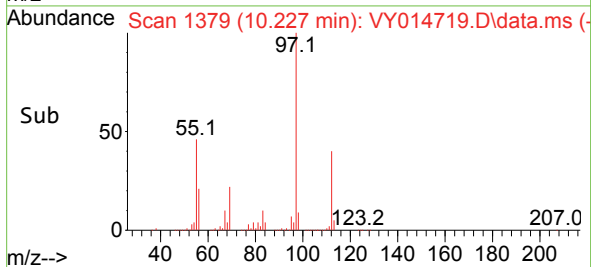
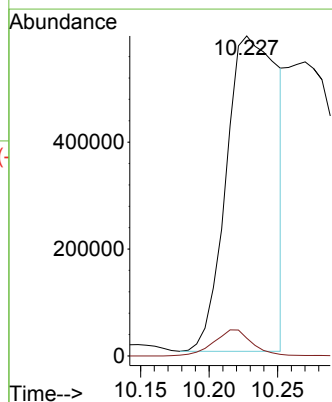
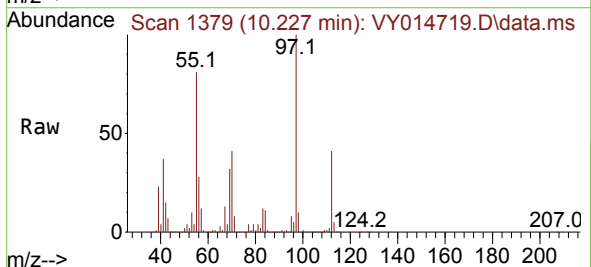
Acq: 20 Jul 2023 14:31

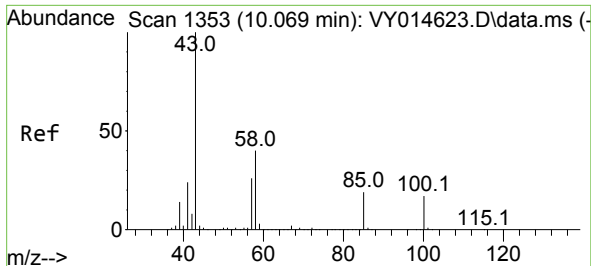
Tgt Ion: 98 Resp: 1534325

Ion Ratio Lower Upper

98 100

100 6.4 50.1 75.1#

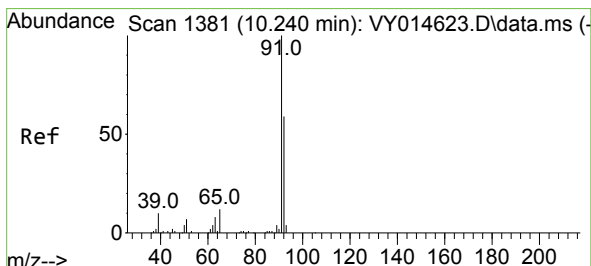
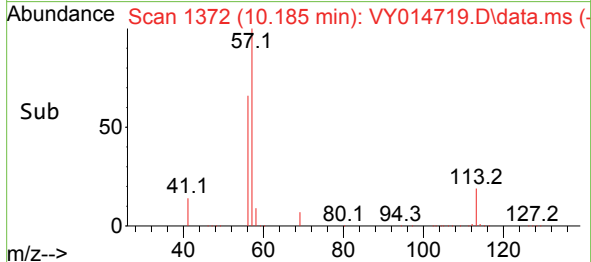
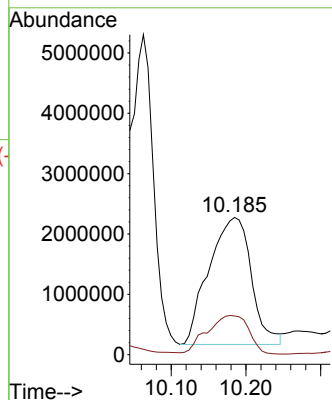
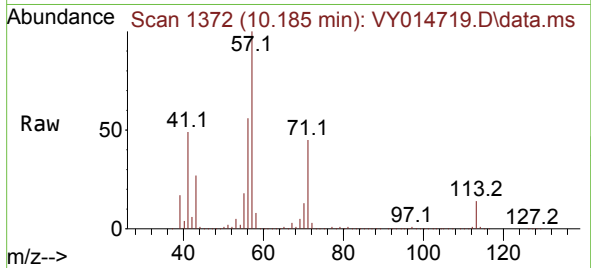




#51
4-Methyl-2-Pentanone
Concen: 4661.716 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

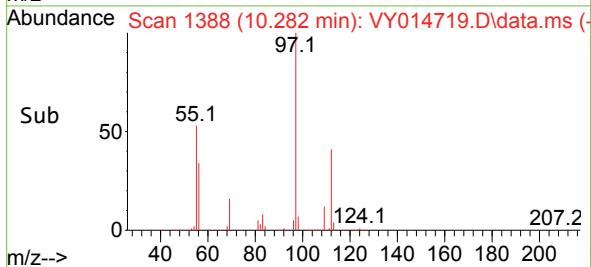
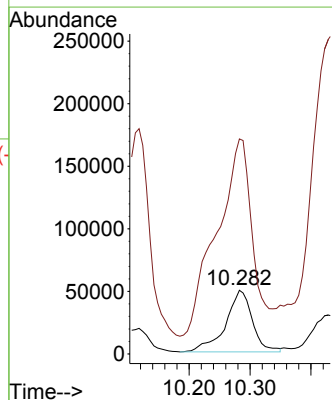
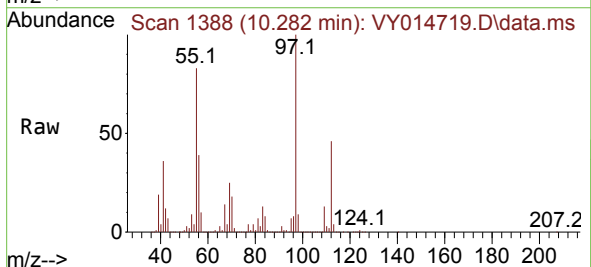
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

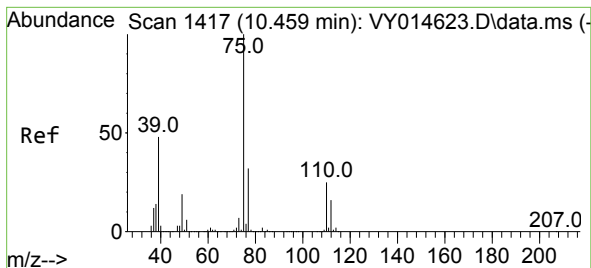
Tgt Ion: 43 Resp: 8300969
Ion Ratio Lower Upper
43 100
58 29.8 29.0 43.6



#52
Toluene
Concen: 32.154 ug/l
RT: 10.282 min Scan# 1388
Delta R.T. 0.042 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 92 Resp: 151320
Ion Ratio Lower Upper
92 100
91 424.9 143.8 215.6#

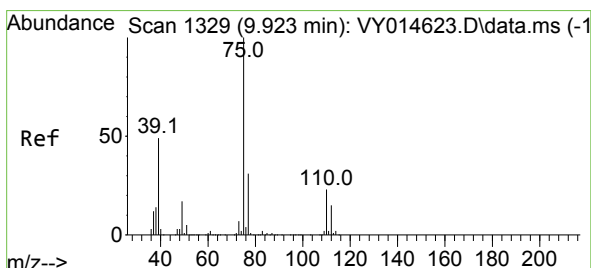
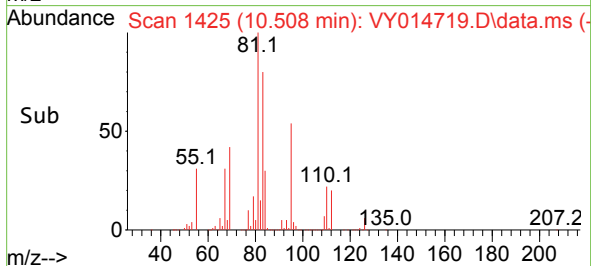
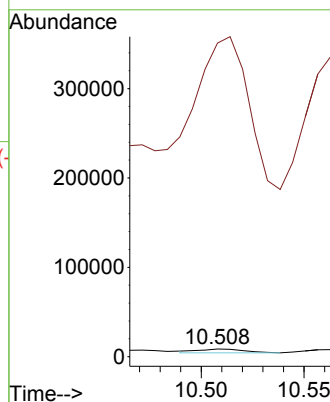
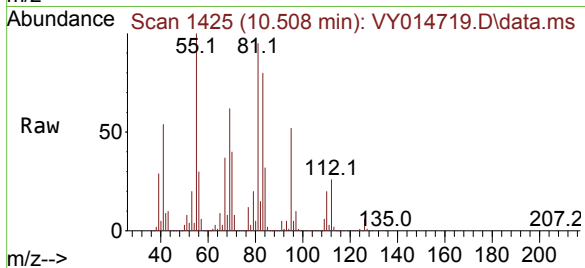




#53
 t-1,3-Dichloropropene
 Concen: 2.274 ug/l
 RT: 10.508 min Scan# 1417
 Delta R.T. 0.049 min
 Lab File: VY014719.D
 Acq: 20 Jul 2023 14:31

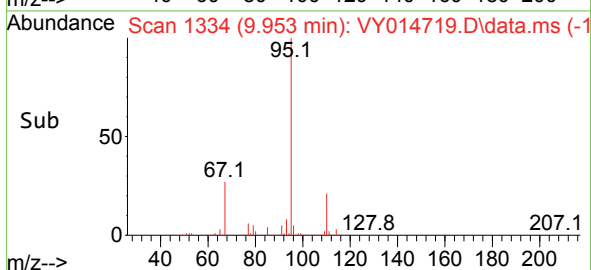
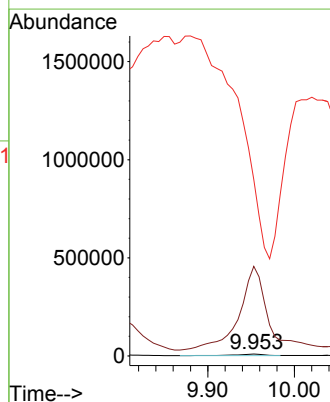
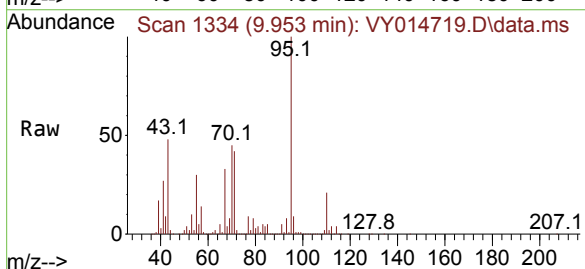
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-09-(3-5)

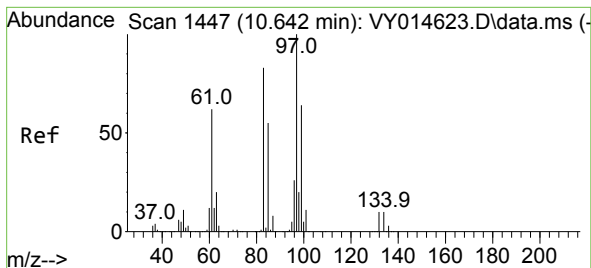
Tgt Ion: 75 Resp: 6831
 Ion Ratio Lower Upper
 75 100
 77 3757.8 25.0 37.4#



#54
 cis-1,3-Dichloropropene
 Concen: 5.492 ug/l
 RT: 9.953 min Scan# 1334
 Delta R.T. 0.030 min
 Lab File: VY014719.D
 Acq: 20 Jul 2023 14:31

Tgt Ion: 75 Resp: 17937
 Ion Ratio Lower Upper
 75 100
 77 5419.9 24.2 36.4#
 39 971.2 42.2 63.4#





#55

1,1,2-Trichloroethane

Concen: 5364.920 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.012 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion: 97 Resp: 8706324

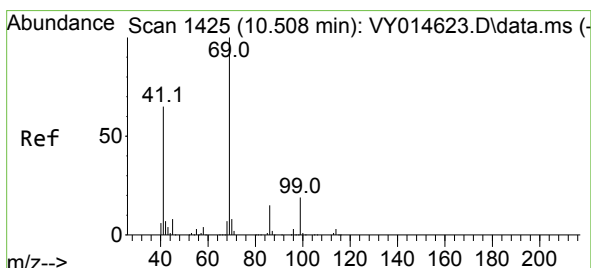
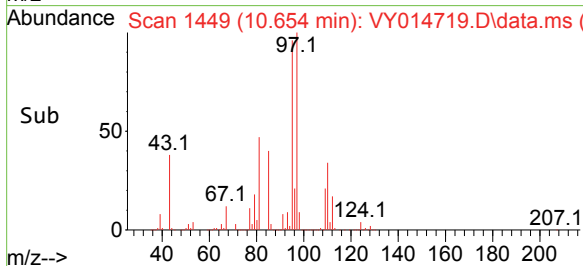
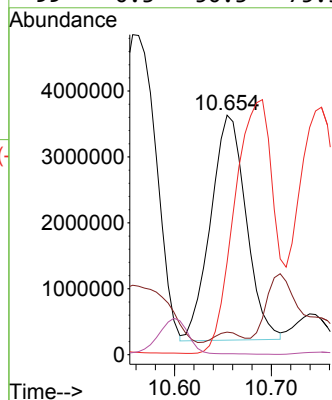
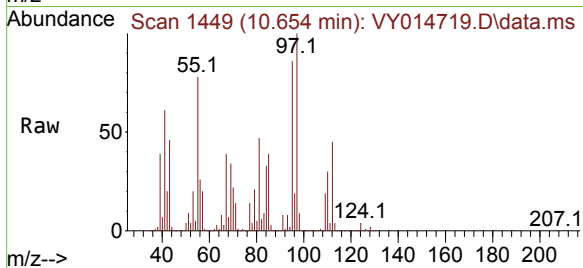
Ion Ratio Lower Upper

97 100

83 0.0 72.0 108.0#

85 41.2 45.4 68.0#

99 0.3 50.3 75.5#



#56

Ethyl methacrylate

Concen: 4809.909 ug/l

RT: 10.471 min Scan# 1419

Delta R.T. -0.037 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

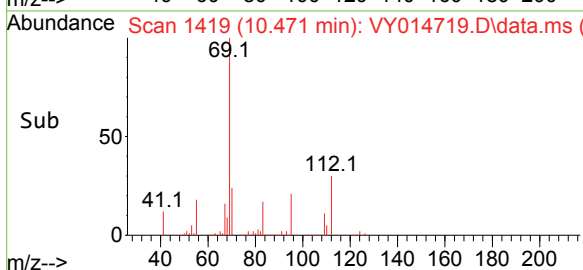
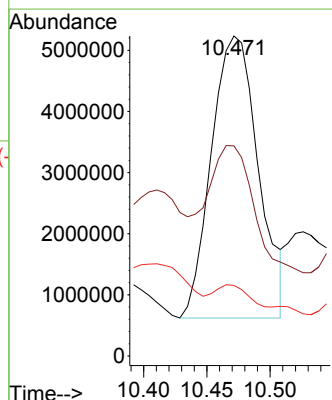
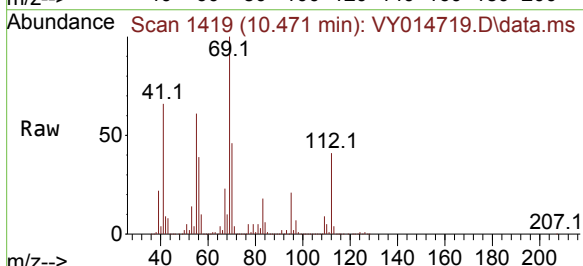
Tgt Ion: 69 Resp: 11917897

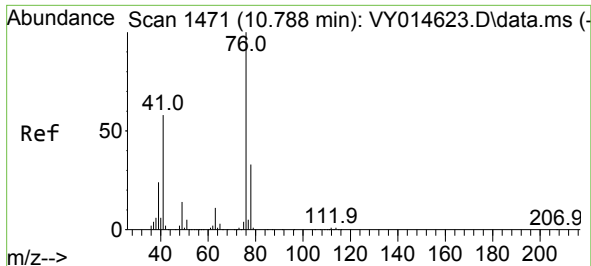
Ion Ratio Lower Upper

69 100

41 42.1 57.6 86.4#

39 8.9 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 3.395 ug/l

RT: 10.807 min Scan# 1471

Delta R.T. 0.019 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

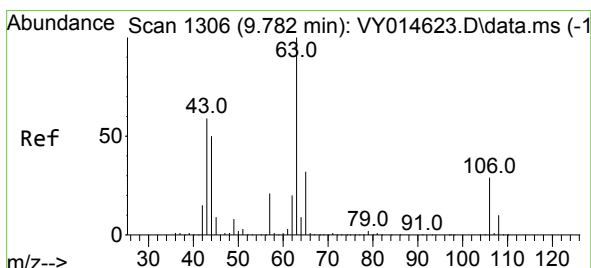
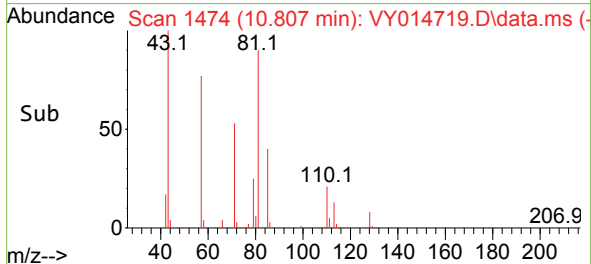
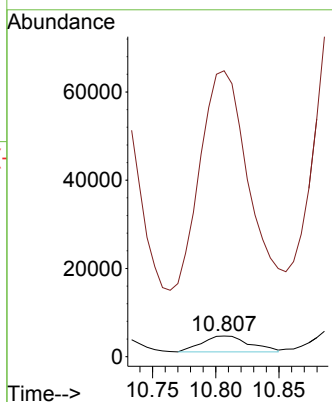
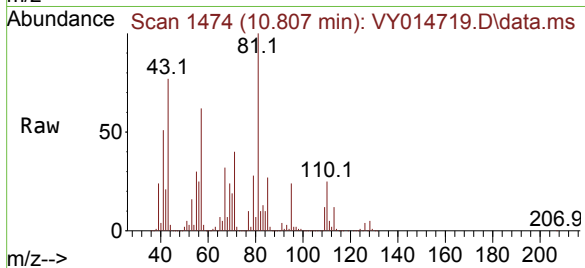
SB-09-(3-5)

Tgt Ion: 76 Resp: 9503

Ion Ratio Lower Upper

76 100

78 1358.1 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 123.708 ug/l

RT: 9.795 min Scan# 1308

Delta R.T. 0.013 min

Lab File: VY014719.D

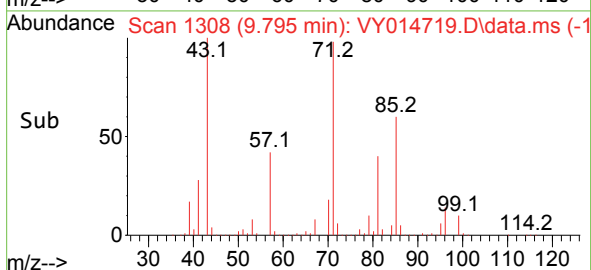
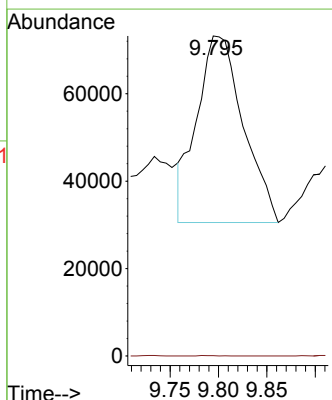
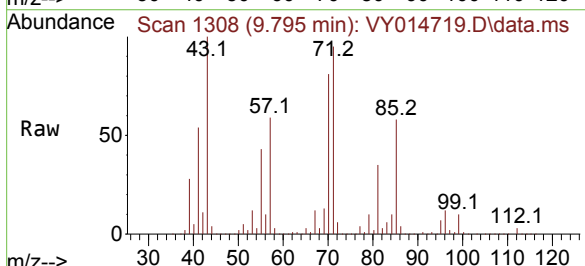
Acq: 20 Jul 2023 14:31

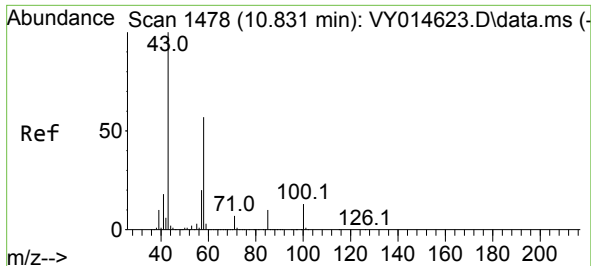
Tgt Ion: 63 Resp: 142821

Ion Ratio Lower Upper

63 100

106 0.1 21.2 31.8#





#59

2-Hexanone

Concen: 11259.010 ug/l

RT: 10.849 min Scan# 14

Delta R.T. 0.018 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

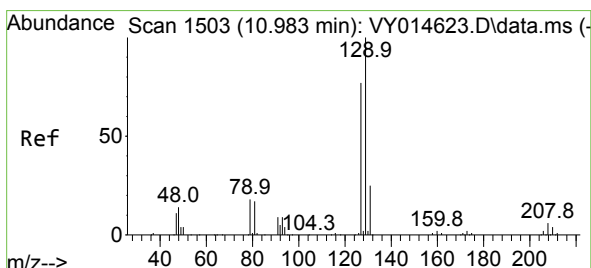
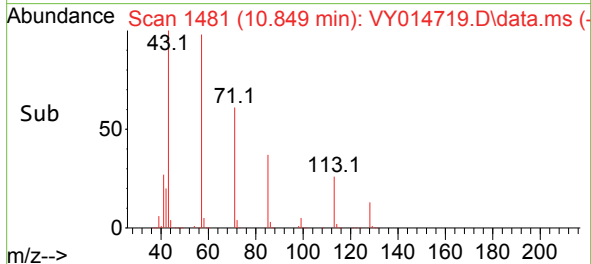
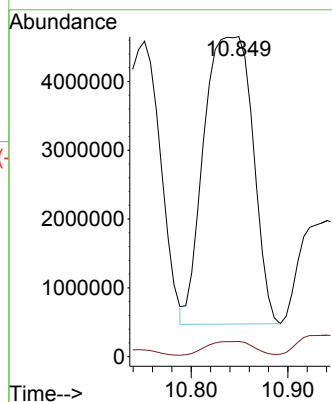
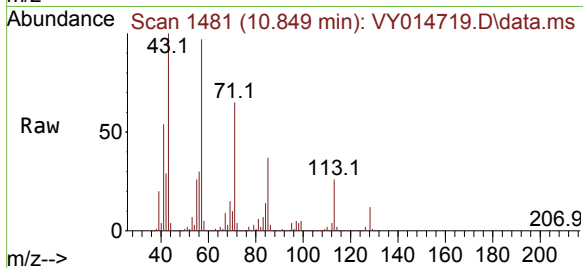
SB-09-(3-5)

Tgt Ion: 43 Resp:14620499

Ion Ratio Lower Upper

43 100

58 4.6 25.1 75.3#



#60

Dibromochloromethane

Concen: 52.591 ug/l

RT: 10.941 min Scan# 1496

Delta R.T. -0.042 min

Lab File: VY014719.D

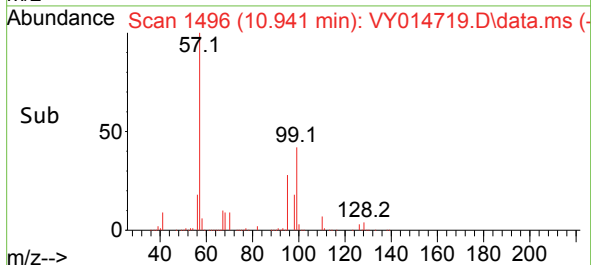
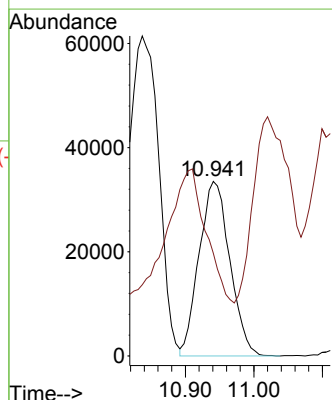
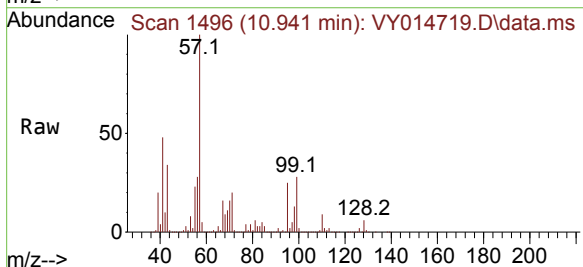
Acq: 20 Jul 2023 14:31

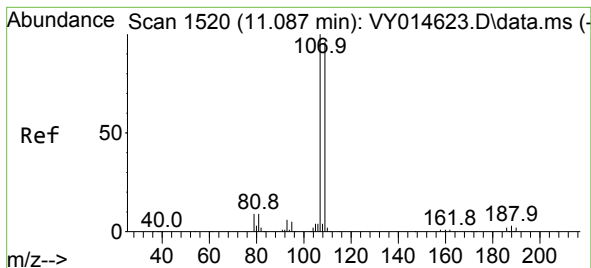
Tgt Ion:129 Resp: 104641

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

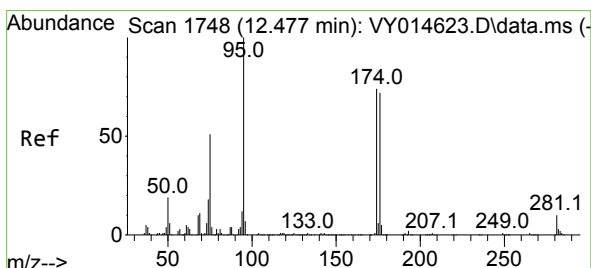
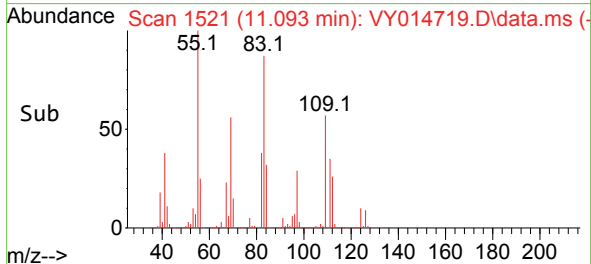
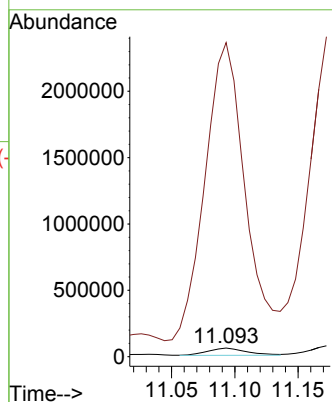
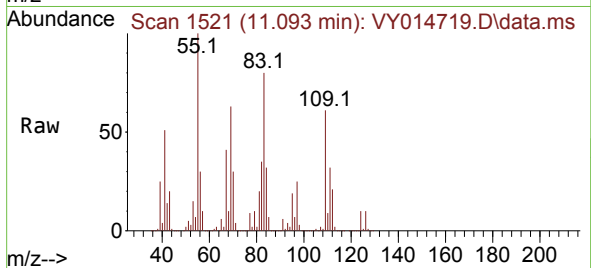




#61
1,2-Dibromoethane
Concen: 72.873 ug/l
RT: 11.093 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

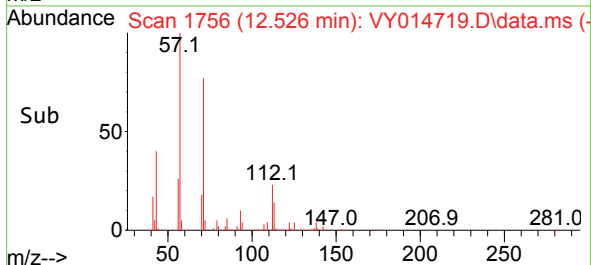
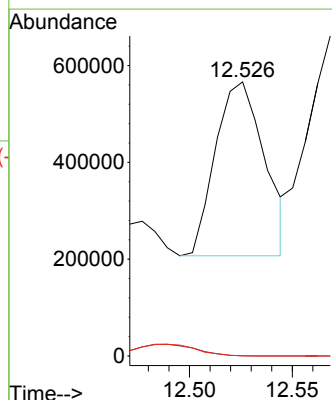
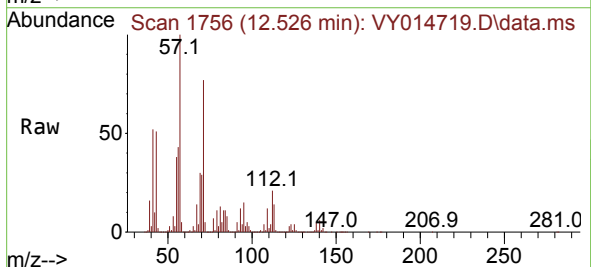
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

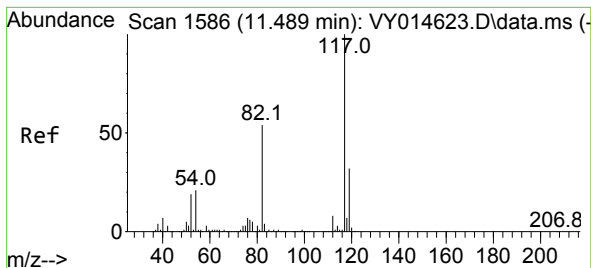
Tgt Ion:107 Resp: 117976
Ion Ratio Lower Upper
107 100
109 4193.8 75.6 113.4#



#62
4-Bromofluorobenzene
Concen: 244.458 ug/l
RT: 12.526 min Scan# 1756
Delta R.T. 0.049 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 95 Resp: 597559
Ion Ratio Lower Upper
95 100
174 0.0 0.0 178.2
176 0.0 0.0 173.8

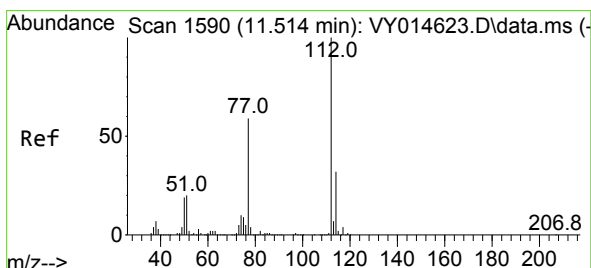
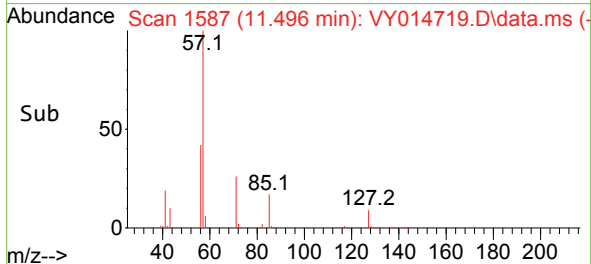
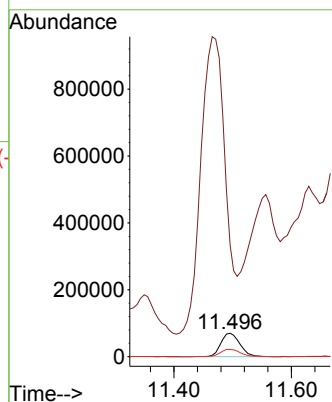
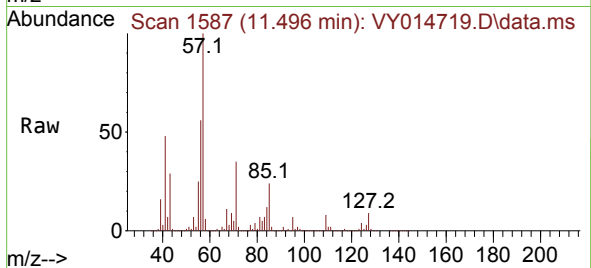




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1586
Delta R.T. 0.007 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

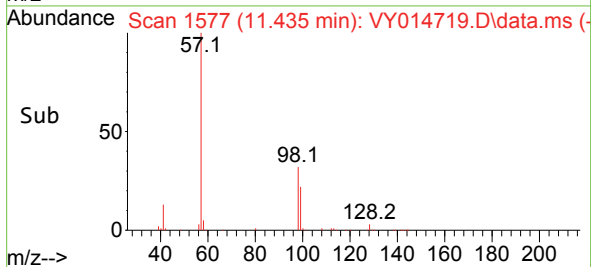
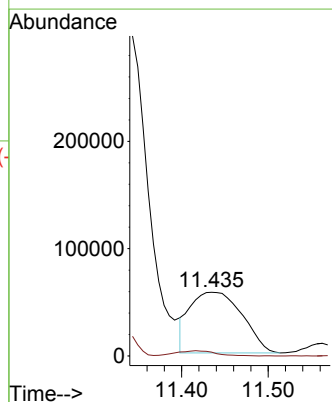
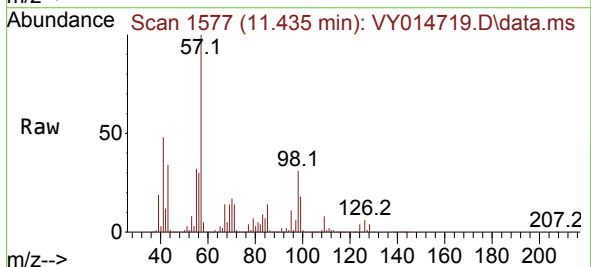
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

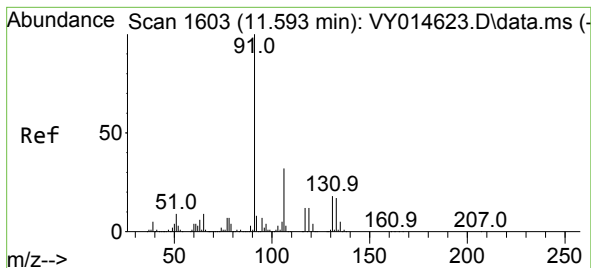
Tgt Ion:117 Resp: 156385
Ion Ratio Lower Upper
117 100
82 377.8 43.4 65.0#
119 31.0 26.3 39.5



#65
Chlorobenzene
Concen: 71.105 ug/l
RT: 11.435 min Scan# 1577
Delta R.T. -0.079 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion:112 Resp: 236958
Ion Ratio Lower Upper
112 100
114 6.4 25.5 38.3#





#67

Ethyl Benzene

Concen: 1573.846 ug/l

RT: 11.617 min Scan# 1

Delta R.T. 0.024 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

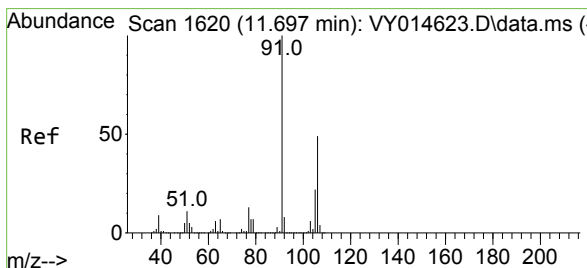
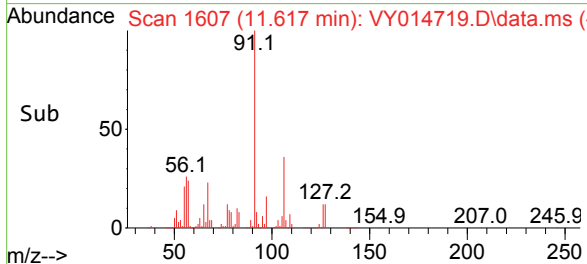
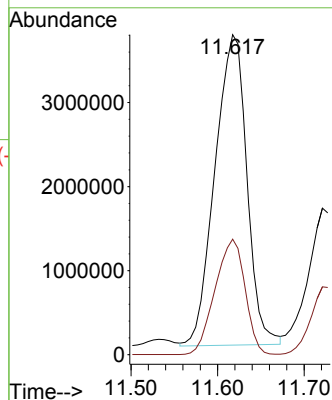
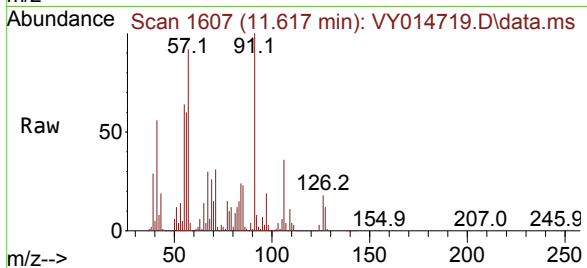
SB-09-(3-5)

Tgt Ion: 91 Resp: 9469672

Ion Ratio Lower Upper

91 100

106 37.4 24.6 36.8#



#68

m/p-Xylenes

Concen: 721.051 ug/l

RT: 11.721 min Scan# 1624

Delta R.T. 0.024 min

Lab File: VY014719.D

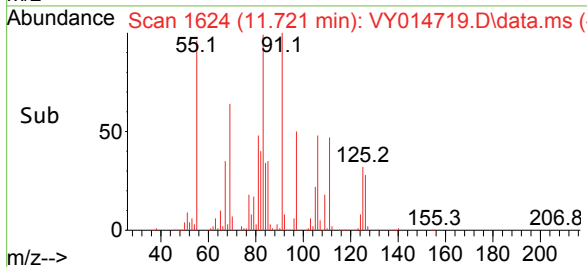
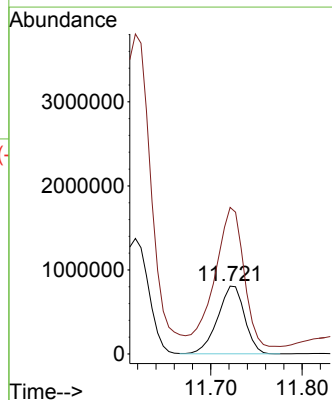
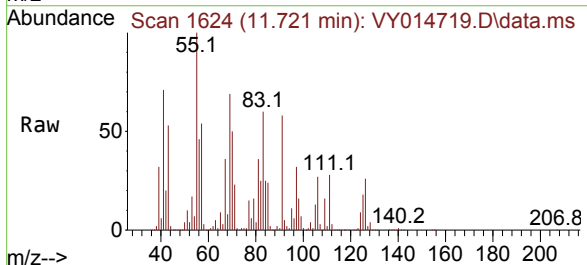
Acq: 20 Jul 2023 14:31

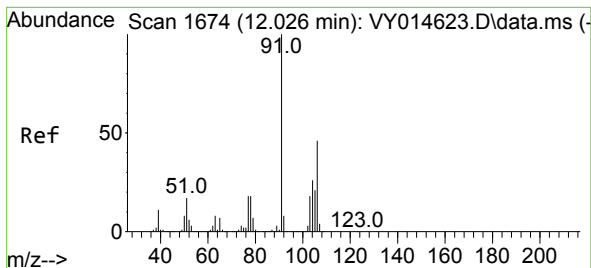
Tgt Ion:106 Resp: 1656109

Ion Ratio Lower Upper

106 100

91 218.6 166.1 249.1

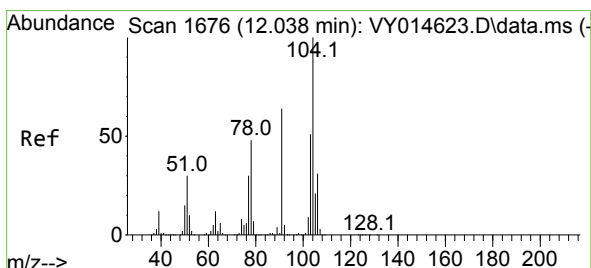
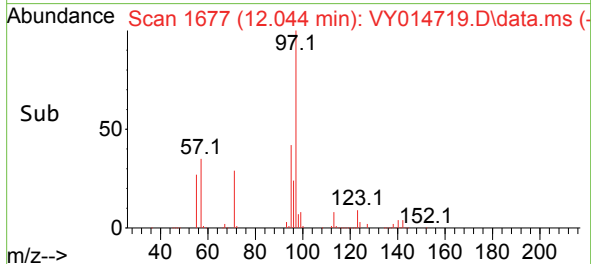
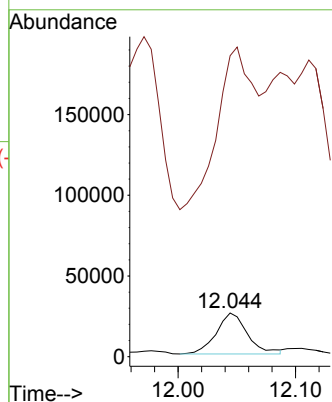
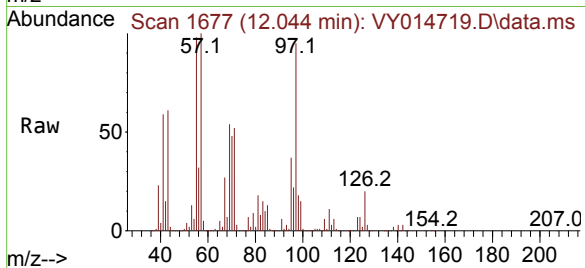




#69
o-Xylene
Concen: 21.091 ug/l
RT: 12.044 min Scan# 1703
Delta R.T. 0.018 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

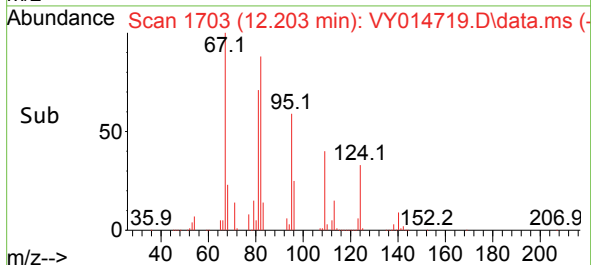
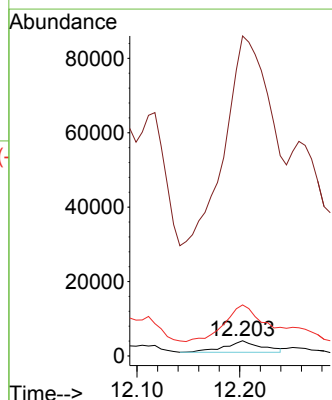
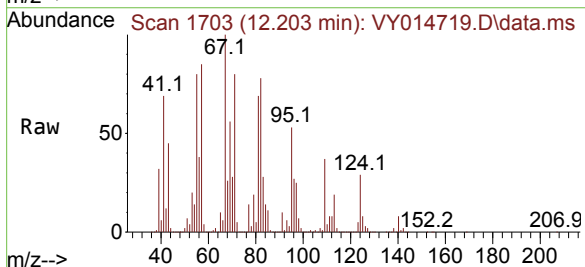
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

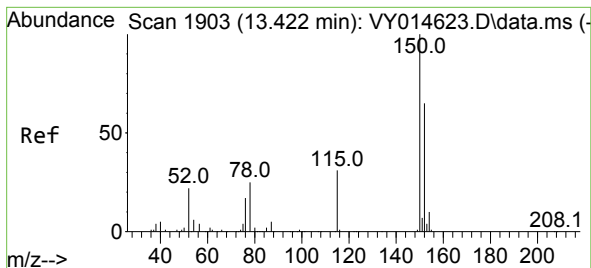
Tgt Ion:106 Resp: 47183
Ion Ratio Lower Upper
106 100
91 466.8 108.1 324.3#



#70
Styrene
Concen: 2.024 ug/l
RT: 12.203 min Scan# 1703
Delta R.T. 0.165 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion:104 Resp: 7632
Ion Ratio Lower Upper
104 100
78 2327.2 41.5 62.3#
103 433.1 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

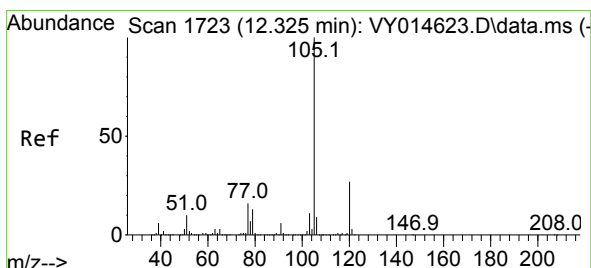
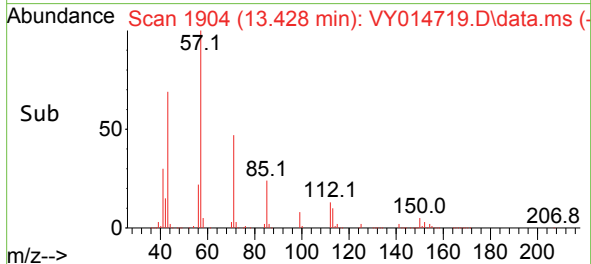
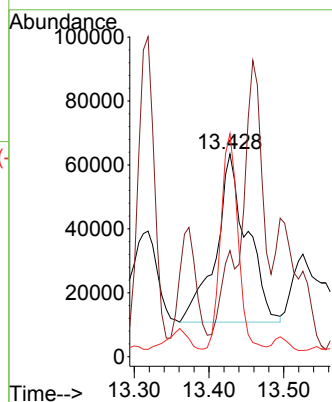
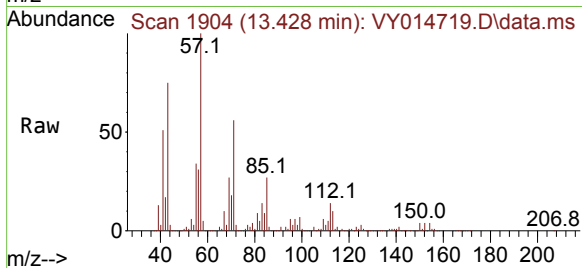
Tgt Ion:152 Resp: 152487

Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 71.8 0.0 348.8



#73

Isopropylbenzene

Concen: 1130.369 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.018 min

Lab File: VY014719.D

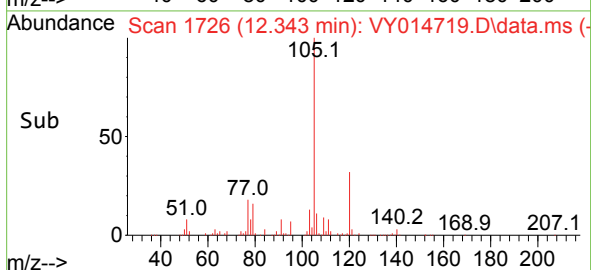
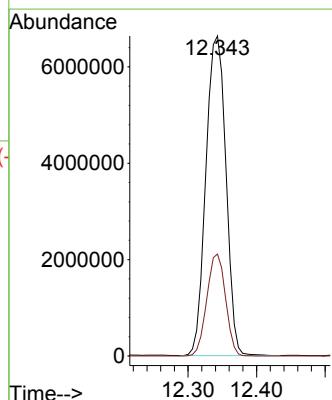
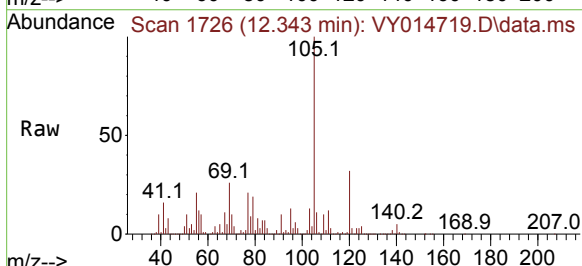
Acq: 20 Jul 2023 14:31

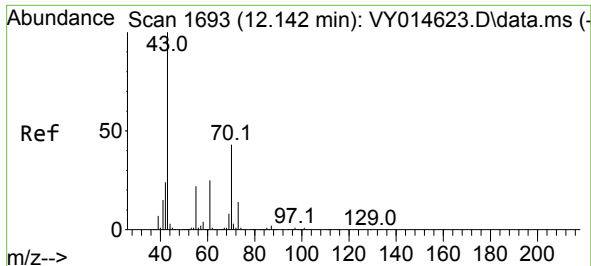
Tgt Ion:105 Resp:13496385

Ion Ratio Lower Upper

105 100

120 29.7 13.3 39.9

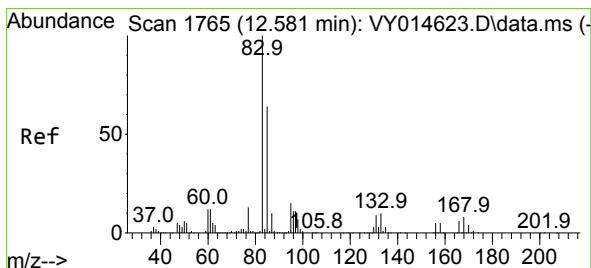
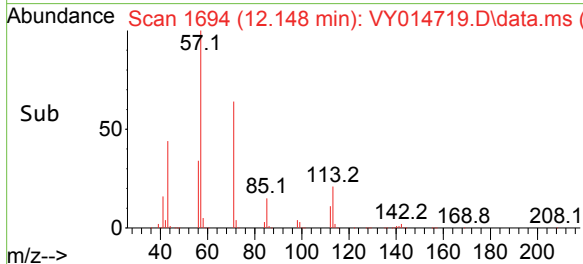
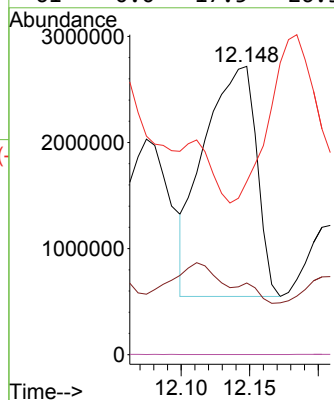
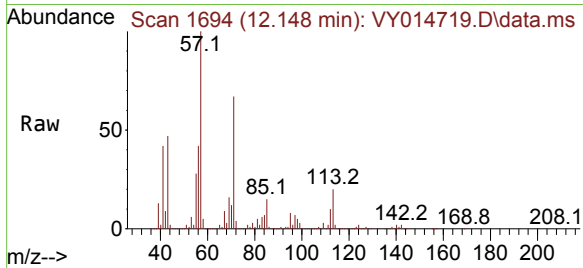




#74
N-amy1 acetate
Concen: 1446.172 ug/l
RT: 12.148 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

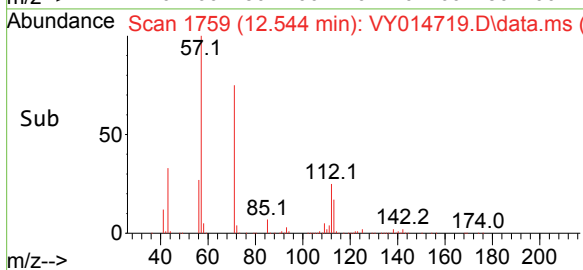
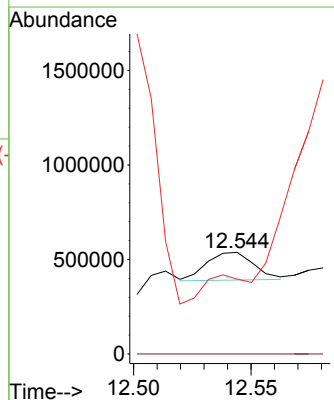
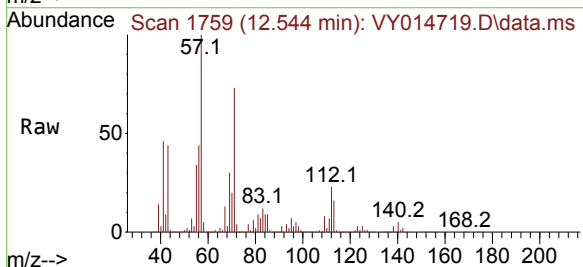
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

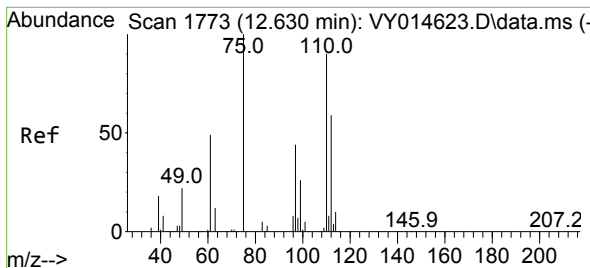
Tgt Ion: 43 Resp: 5783040
Ion Ratio Lower Upper
43 100
70 0.0 29.7 44.5#
55 0.0 18.3 27.5#
61 0.0 17.5 26.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 75.913 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.037 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 83 Resp: 206697
Ion Ratio Lower Upper
83 100
131 0.0 5.4 16.2#
85 0.0 31.8 95.4#





#76

1,2,3-Trichloropropane

Concen: 148.921 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.054 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

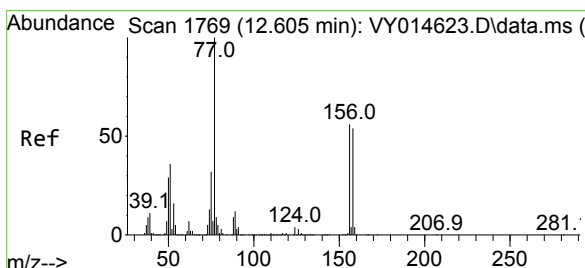
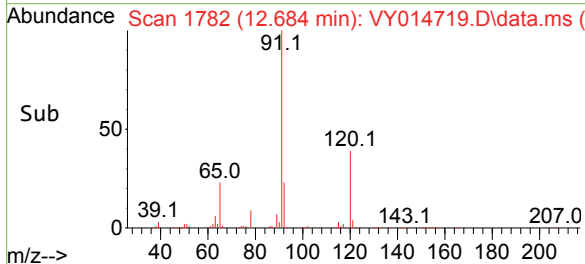
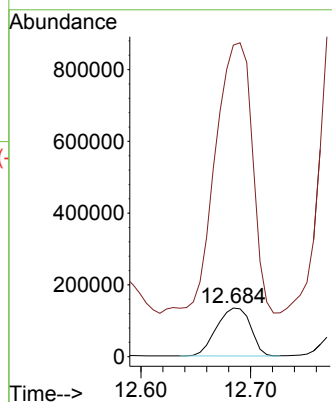
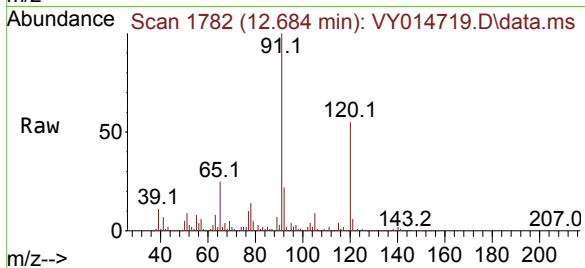
SB-09-(3-5)

Tgt Ion: 75 Resp: 286802

Ion Ratio Lower Upper

75 100

77 634.5 0.0 0.0#



#77

Bromobenzene

Concen: 15.722 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.012 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

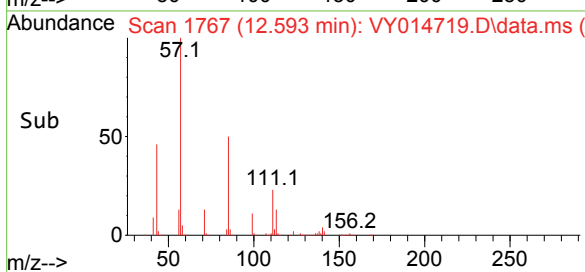
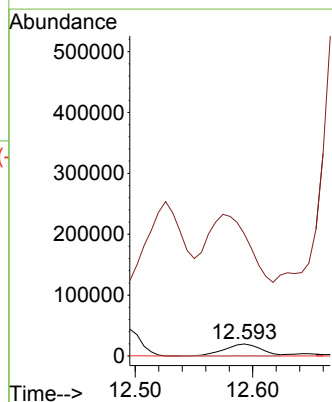
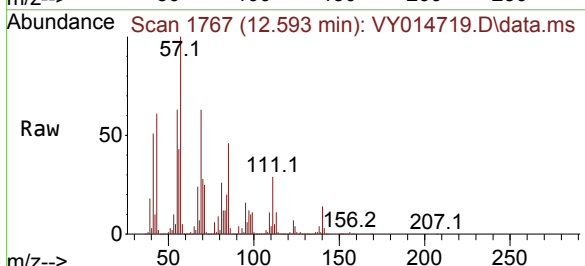
Tgt Ion:156 Resp: 42849

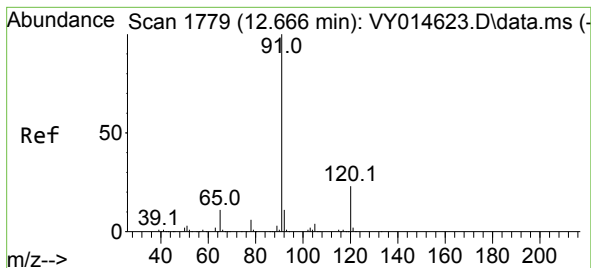
Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 1.1 48.4 145.3#





#78

n-propylbenzene

Concen: 119.639 ug/l

RT: 12.776 min Scan# 1797

Delta R.T. 0.110 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

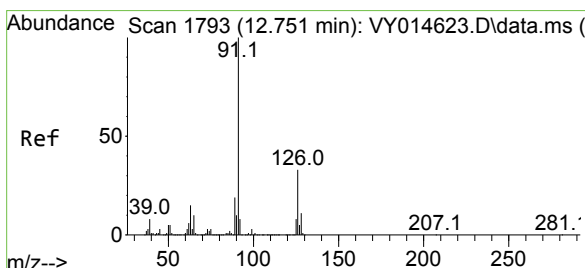
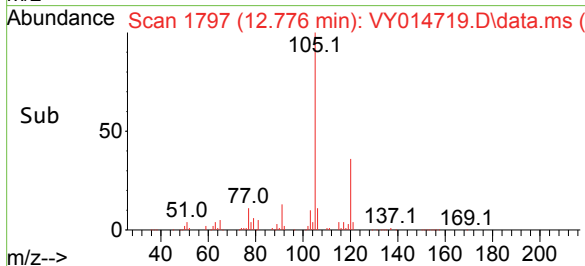
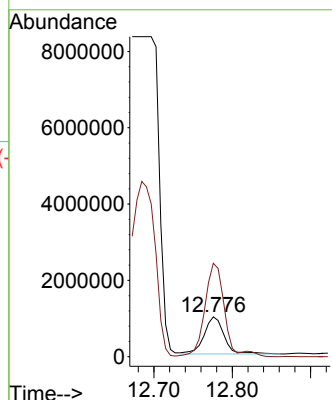
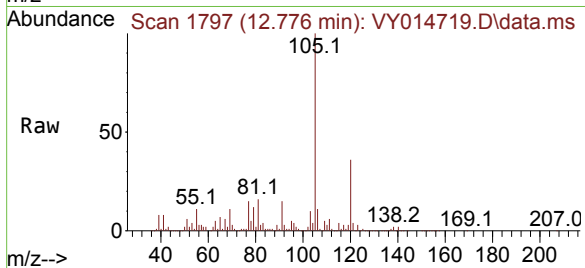
SB-09-(3-5)

Tgt Ion: 91 Resp: 1721322

Ion Ratio Lower Upper

91 100

120 233.7 11.5 34.4#



#79

2-Chlorotoluene

Concen: 39.581 ug/l

RT: 12.526 min Scan# 1756

Delta R.T. -0.225 min

Lab File: VY014719.D

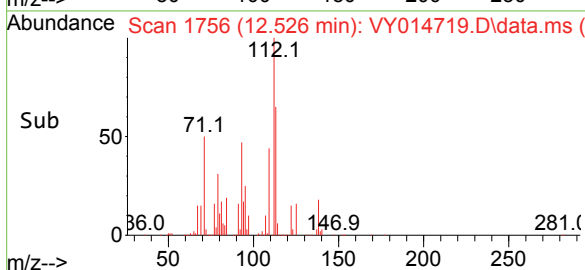
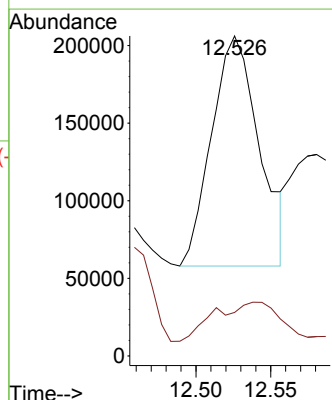
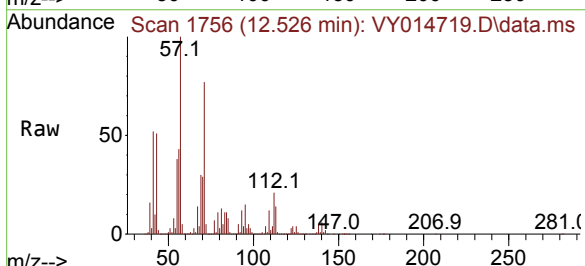
Acq: 20 Jul 2023 14:31

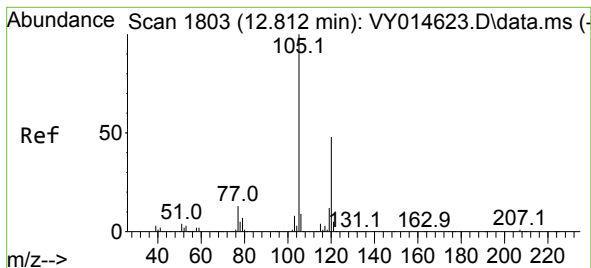
Tgt Ion: 91 Resp: 328010

Ion Ratio Lower Upper

91 100

126 23.9 17.3 51.7





#80

1,3,5-Trimethylbenzene

Concen: 1222.460 ug/l

RT: 12.776 min Scan# 1

Delta R.T. -0.036 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

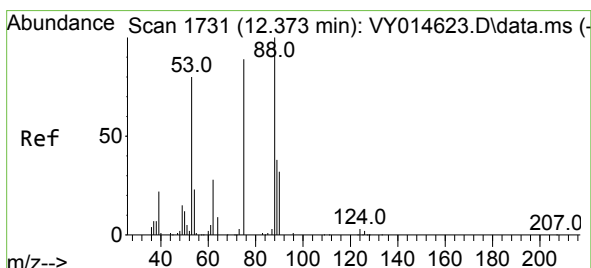
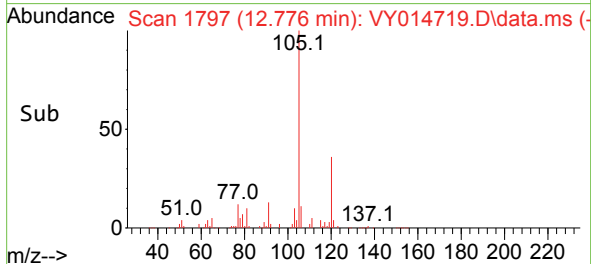
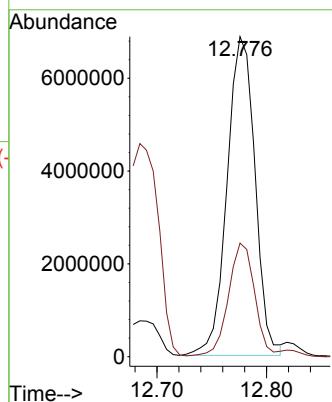
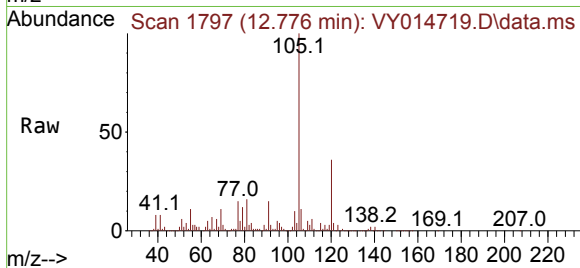
SB-09-(3-5)

Tgt Ion:105 Resp:12189708

Ion Ratio Lower Upper

105 100

120 33.0 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 172.939 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. -0.030 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

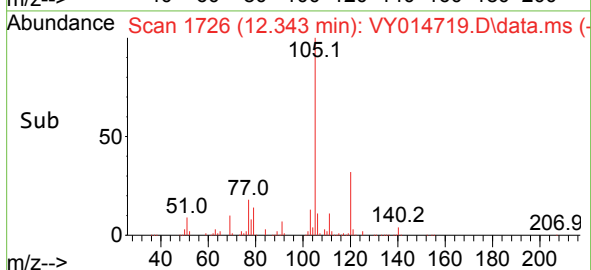
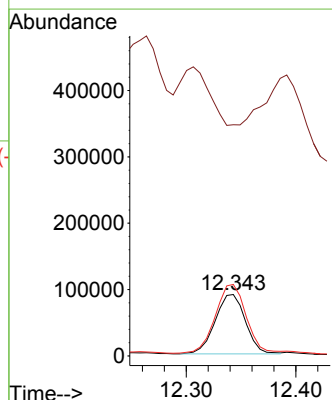
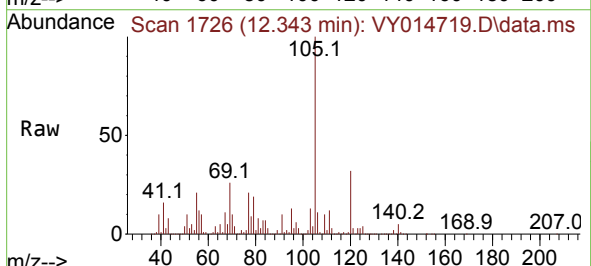
Tgt Ion: 75 Resp: 172018

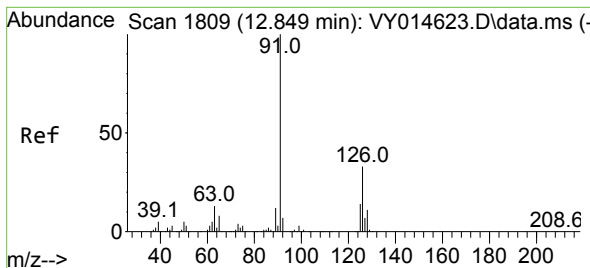
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 125.3 37.4 56.0#





#82

4-Chlorotoluene

Concen: 201.684 ug/l

RT: 12.776 min Scan# 1

Delta R.T. -0.073 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

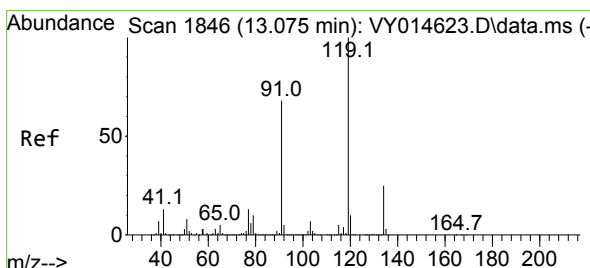
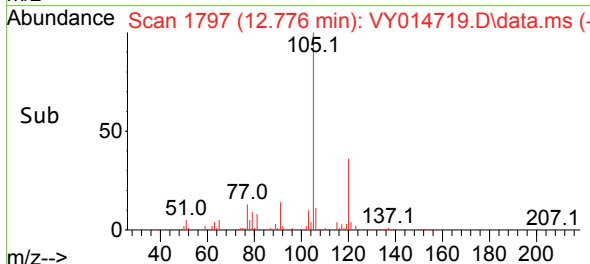
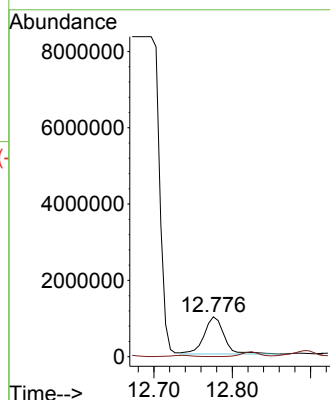
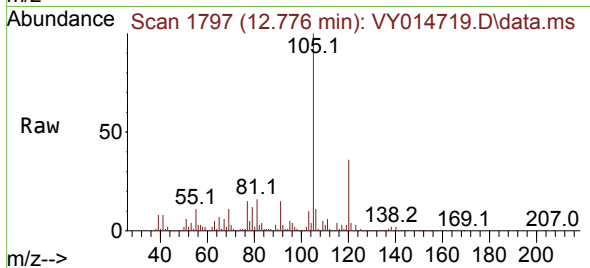
SB-09-(3-5)

Tgt Ion: 91 Resp: 1721322

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#83

tert-Butylbenzene

Concen: 12.083 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

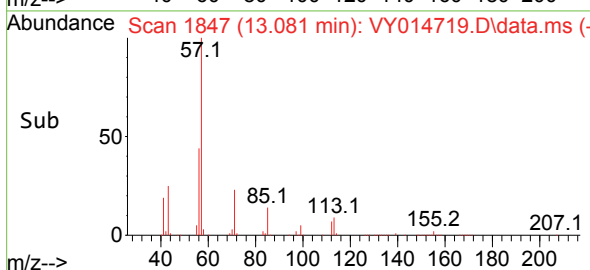
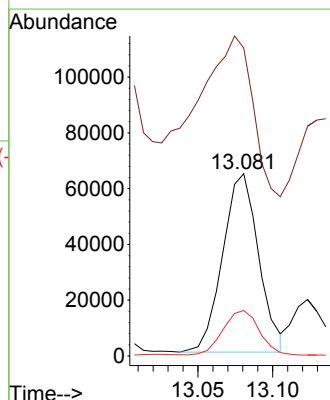
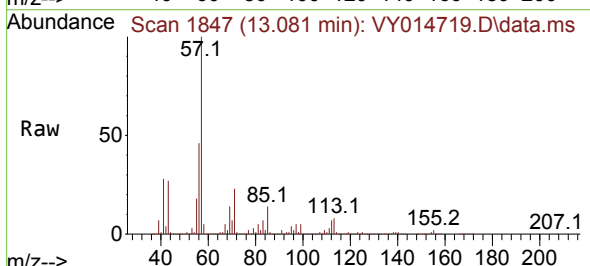
Tgt Ion: 119 Resp: 106880

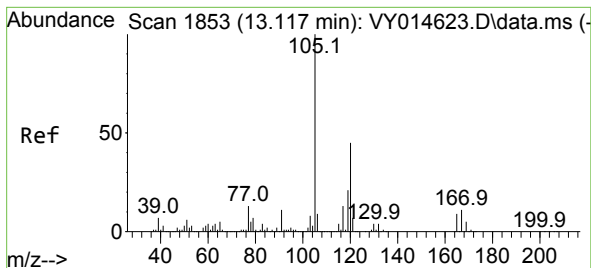
Ion Ratio Lower Upper

119 100

91 140.4 32.9 98.6#

134 0.0 13.0 38.9#





#84

1,2,4-Trimethylbenzene

Concen: 1362.311 ug/l

RT: 12.977 min Scan# 1830

Delta R.T. -0.140 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

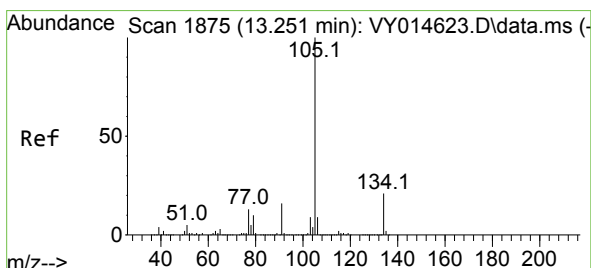
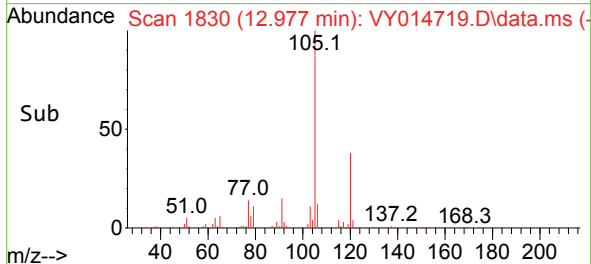
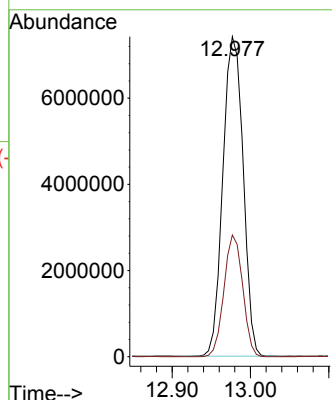
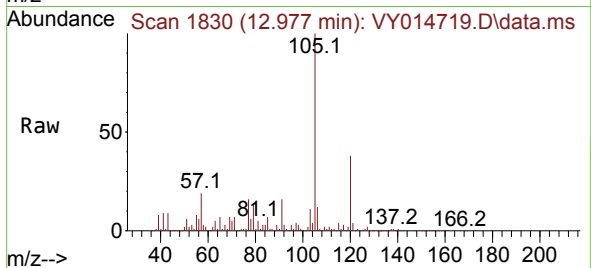
SB-09-(3-5)

Tgt Ion:105 Resp:13331324

Ion Ratio Lower Upper

105 100

120 35.2 22.2 66.6



#85

sec-Butylbenzene

Concen: 297.421 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY014719.D

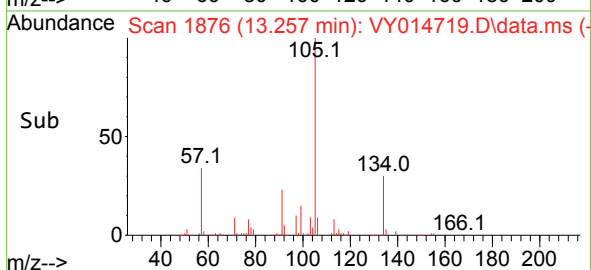
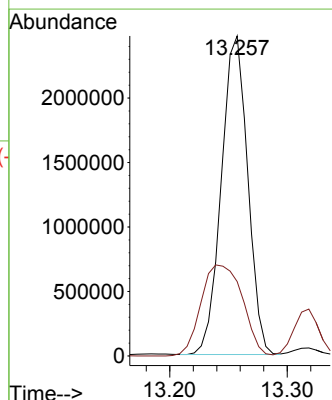
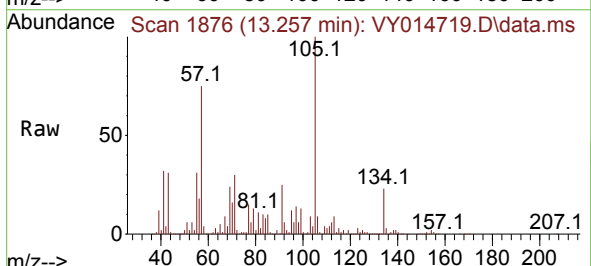
Acq: 20 Jul 2023 14:31

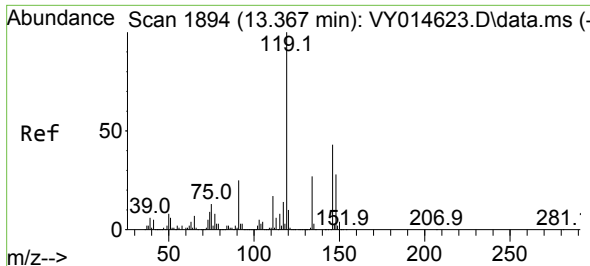
Tgt Ion:105 Resp: 3859196

Ion Ratio Lower Upper

105 100

134 44.7 10.2 30.6#

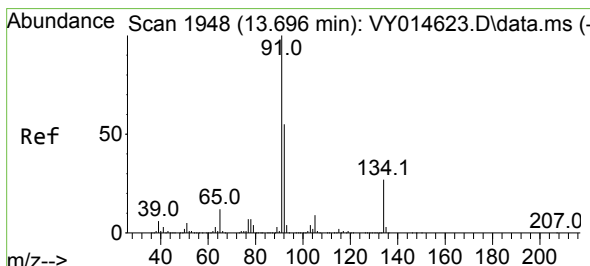
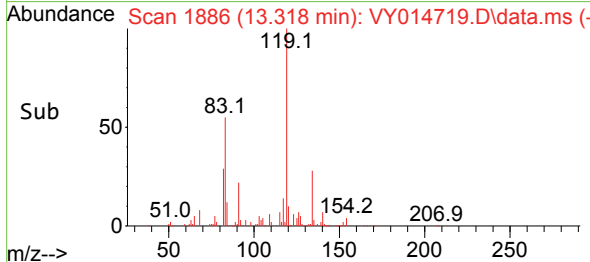
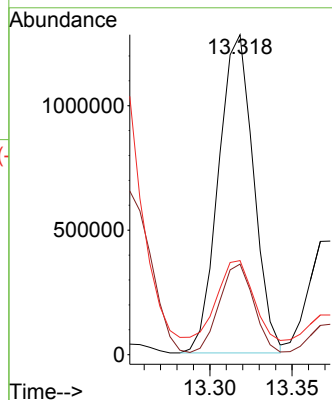
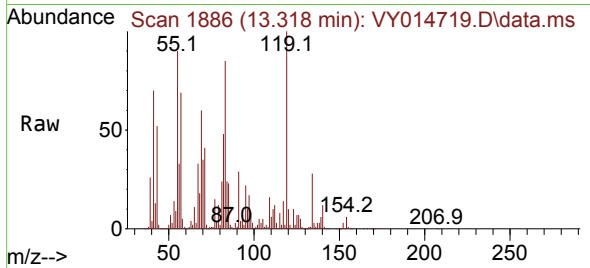




#86
p-Isopropyltoluene
Concen: 178.836 ug/l
RT: 13.318 min Scan# 1886
Delta R.T. -0.049 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

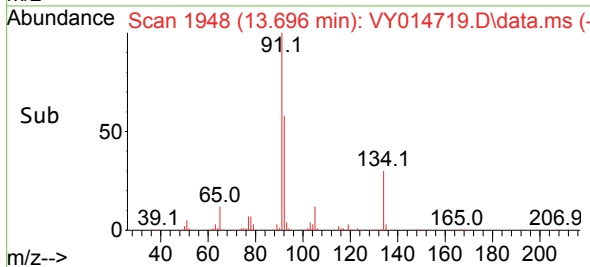
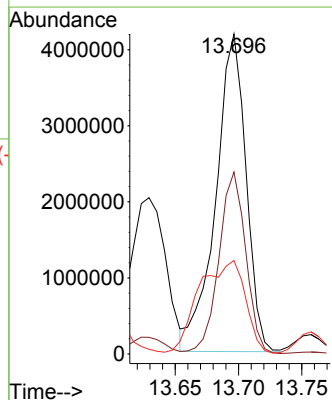
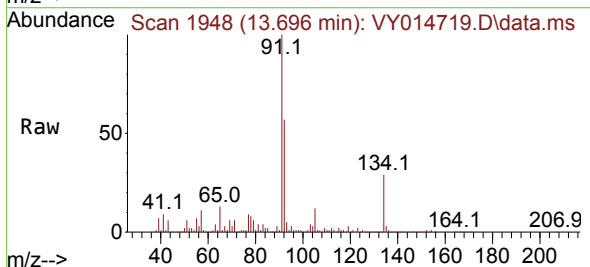
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

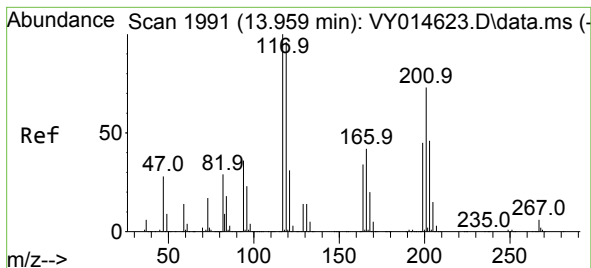
Tgt Ion:119 Resp: 1894604
Ion Ratio Lower Upper
119 100
134 28.4 13.3 39.8
91 25.5 12.4 37.4



#89
n-Butylbenzene
Concen: 673.918 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 91 Resp: 6946109
Ion Ratio Lower Upper
91 100
92 50.6 25.4 76.0
134 45.2 12.6 37.6#

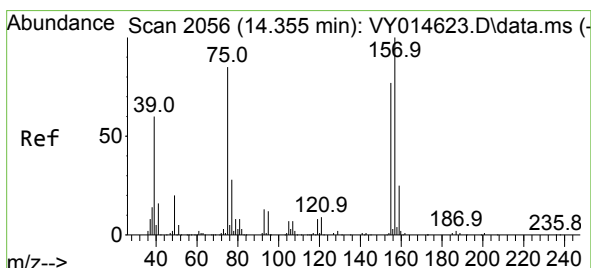
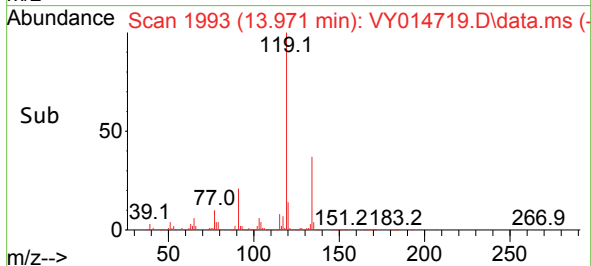
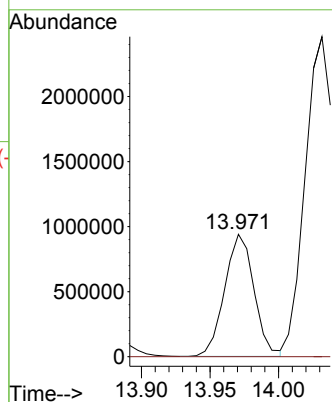
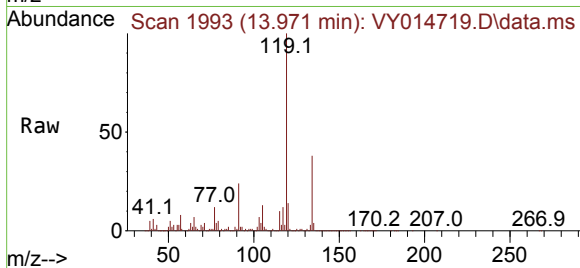




#90
Hexachloroethane
Concen: 642.753 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

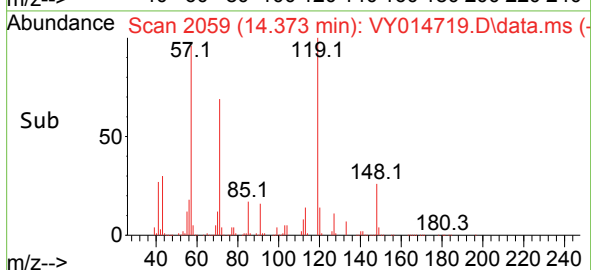
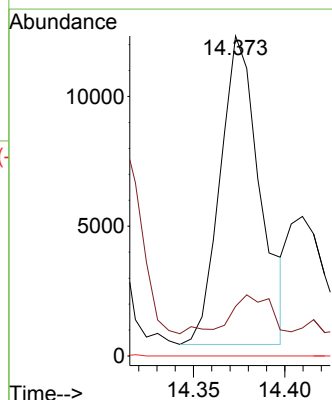
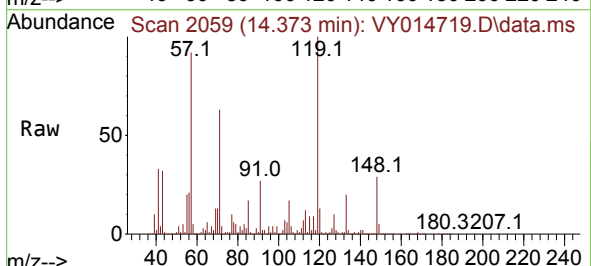
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

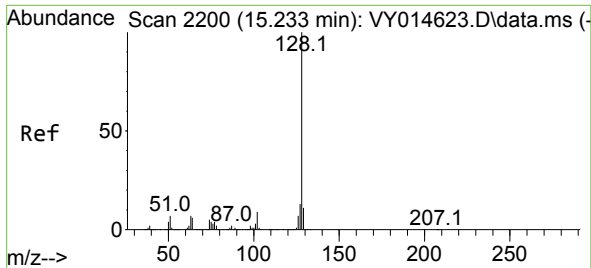
Tgt Ion:117 Resp: 1398649
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 34.616 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.018 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 75 Resp: 18025
Ion Ratio Lower Upper
75 100
155 12.7 41.5 124.6#
157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 972.120 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014719.D

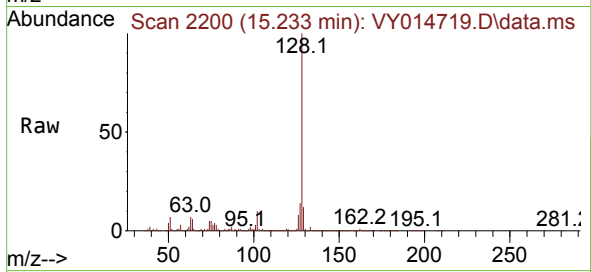
Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)



Tgt Ion:128 Resp: 6987002

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 12.4 8.6 13.0

