

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014653.D
 Acq On : 14 Jul 2023 17:27
 Operator : SY/MD
 Sample : 03632-03
 Misc : 8.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-(7-9)

Quant Time: Jul 14 23:13:32 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)

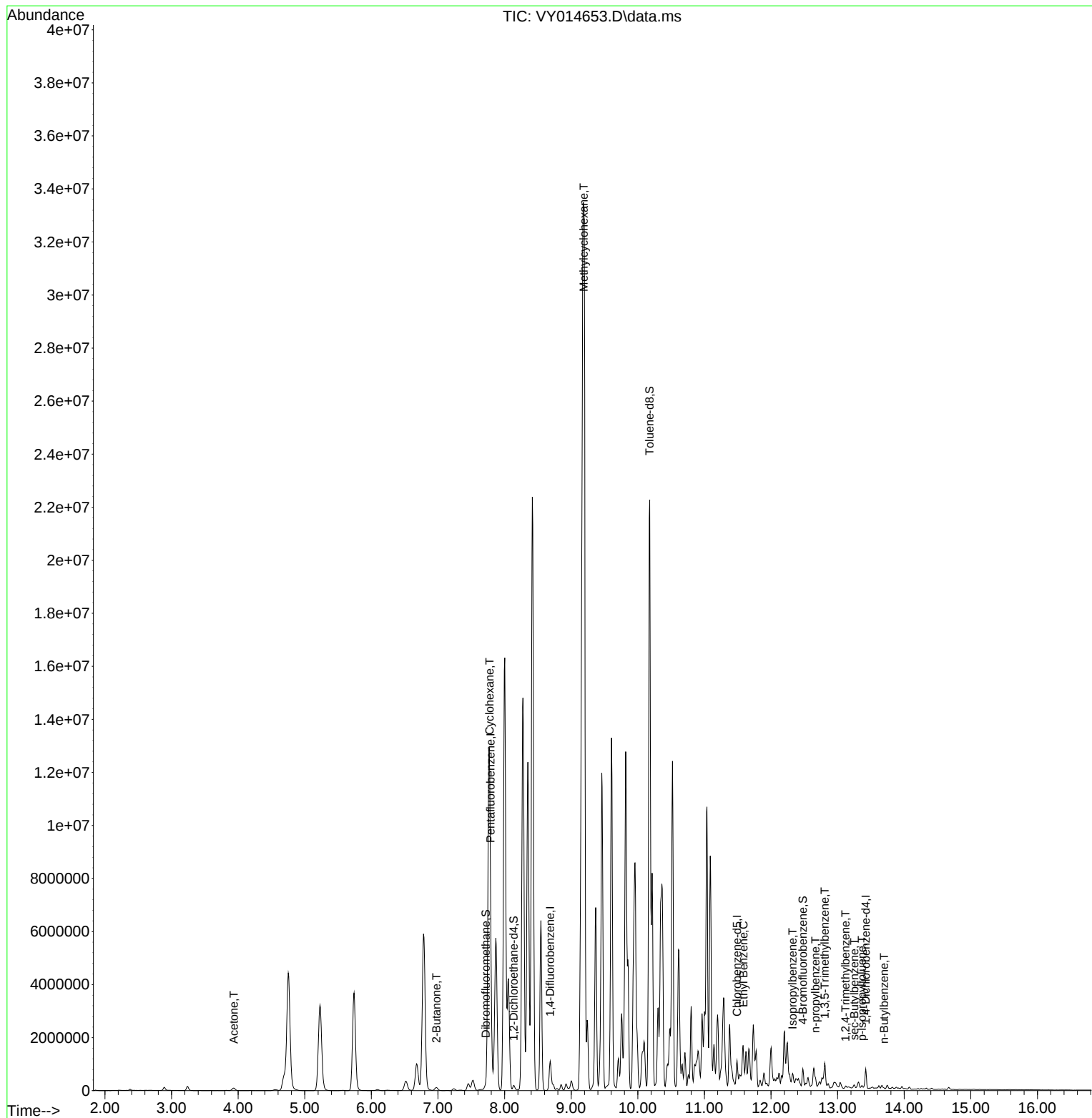
Internal Standards						
1) Pentafluorobenzene	7.789	168	232315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	411111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	383427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	145537	54.975	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.960%	
35) Dibromofluoromethane	7.716	113	129625	49.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.060%	
50) Toluene-d8	10.179	98	1538284	159.433	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 318.860%#	
62) 4-Bromofluorobenzene	12.477	95	208507	56.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	93948	111.989	ug/l #	85
25) 2-Butanone	6.978	43	83698	68.196	ug/l #	75
31) Cyclohexane	7.777	56	5043811	1147.736	ug/l #	91
39) Methylcyclohexane	9.191	83	19751168	3873.691	ug/l #	90
67) Ethyl Benzene	11.587	91	139445	9.452	ug/l	98
73) Isopropylbenzene	12.325	105	199040	13.751	ug/l	99
78) n-propylbenzene	12.666	91	236263	13.546	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	243974	20.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	18214	1.535	ug/l	97
85) sec-Butylbenzene	13.251	105	65294	4.151	ug/l	83
86) p-Isopropyltoluene	13.367	119	52383	4.079	ug/l	100
89) n-Butylbenzene	13.696	91	30928	2.475	ug/l #	72

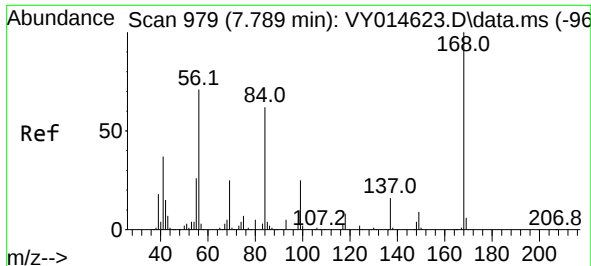
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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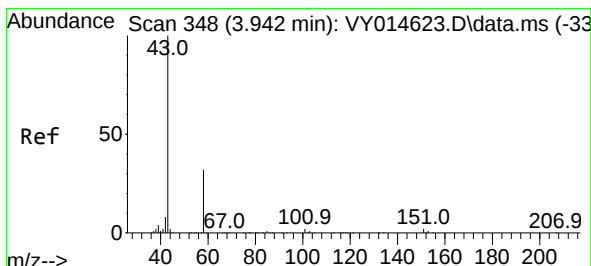
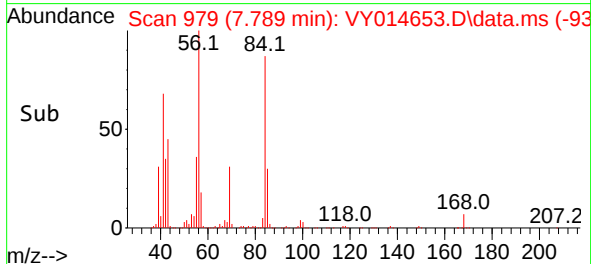
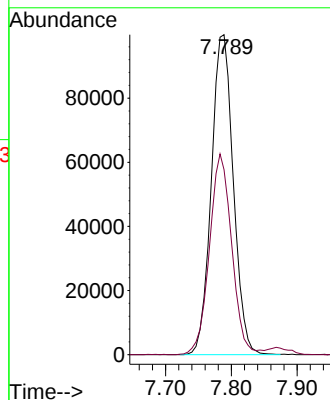
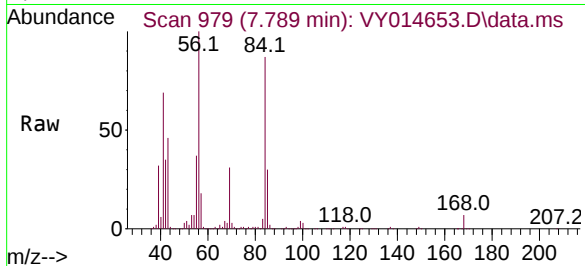




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

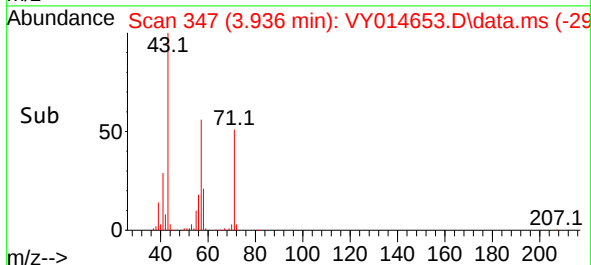
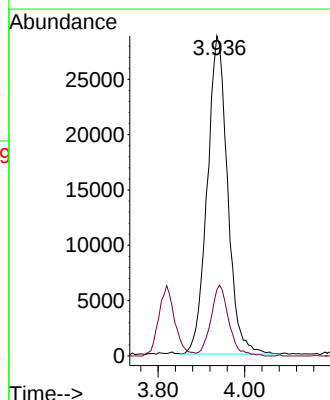
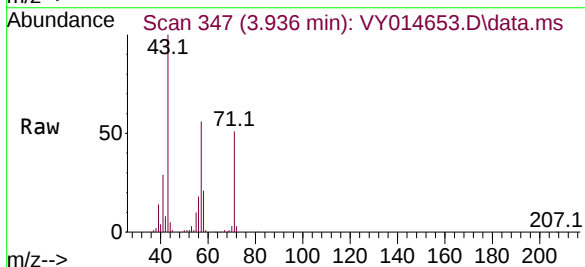
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-(7-9)

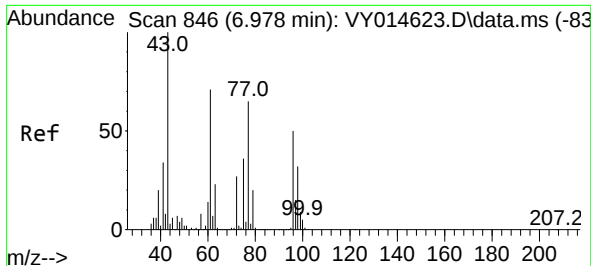
Tgt Ion:168 Resp: 232315
Ion Ratio Lower Upper
168 100
99 57.6 43.4 65.0



#16
Acetone
Concen: 111.989 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

Tgt Ion: 43 Resp: 93948
Ion Ratio Lower Upper
43 100
58 20.5 22.7 34.1#

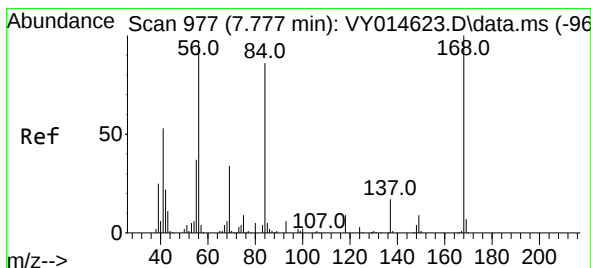
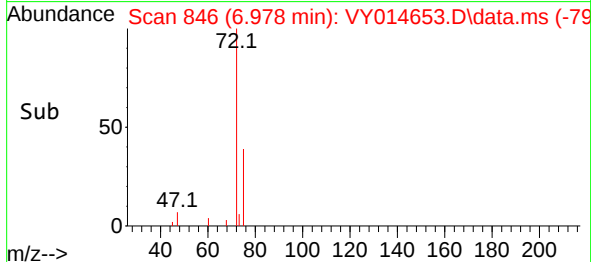
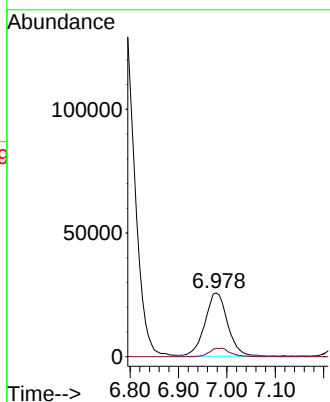
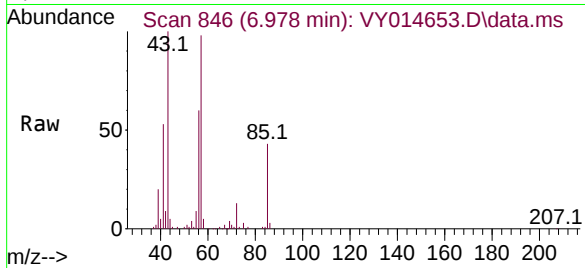




#25
2-Butanone
Concen: 68.196 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

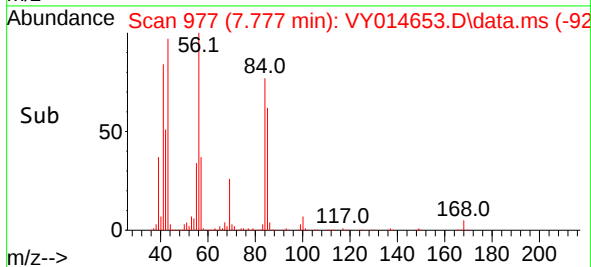
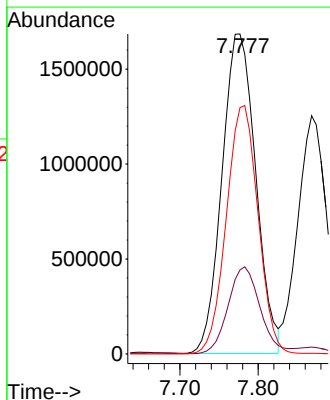
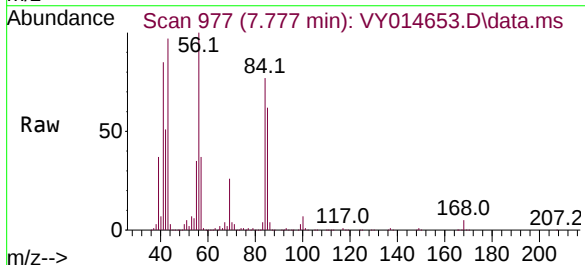
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-(7-9)

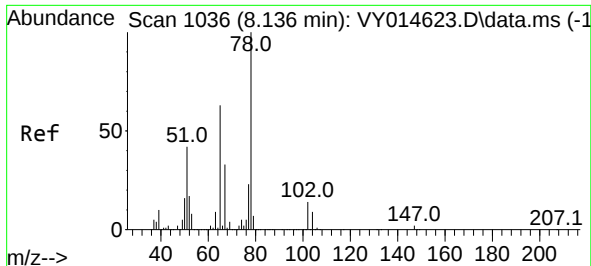
Tgt Ion: 43 Resp: 83698
Ion Ratio Lower Upper
43 100
72 13.1 20.5 30.7#



#31
Cyclohexane
Concen: 1147.736 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

Tgt Ion: 56 Resp: 5043811
Ion Ratio Lower Upper
56 100
69 26.0 27.8 41.6#
84 77.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 54.975 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014653.D

Acq: 14 Jul 2023 17:27

Instrument :

MSVOA_Y

ClientSampleId :

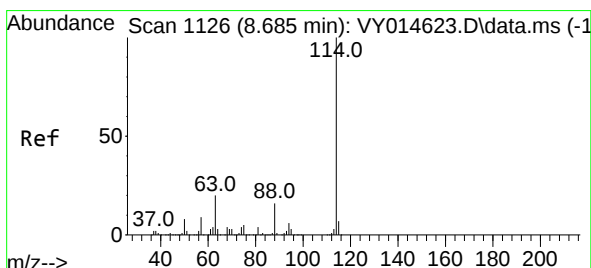
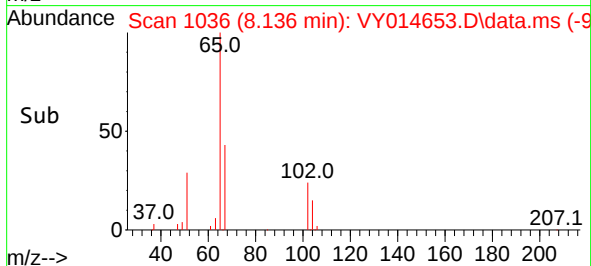
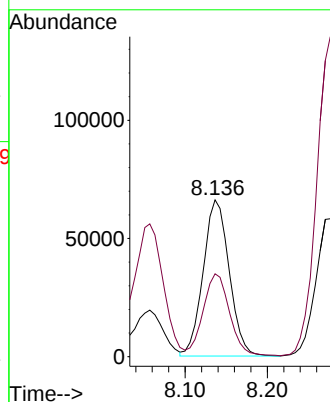
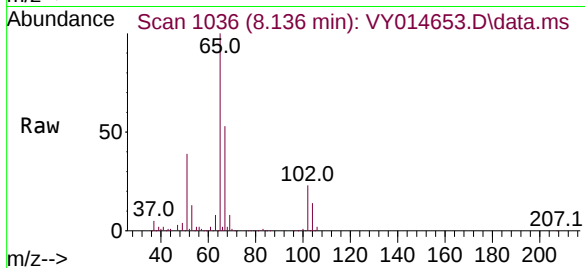
SB-03-(7-9)

Tgt Ion: 65 Resp: 145537

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014653.D

Acq: 14 Jul 2023 17:27

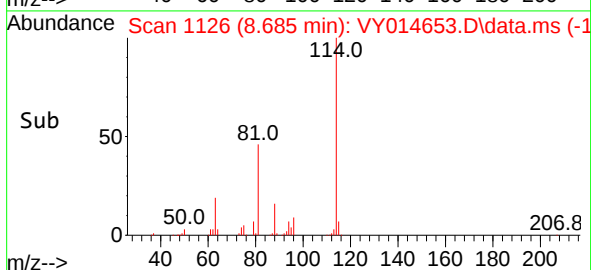
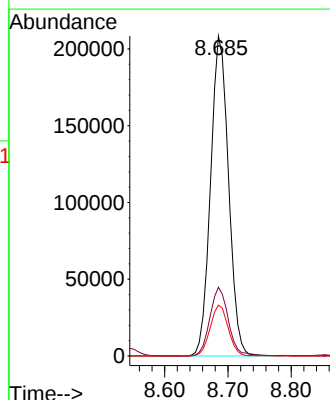
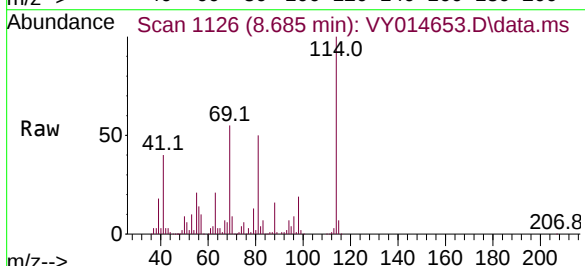
Tgt Ion: 114 Resp: 411111

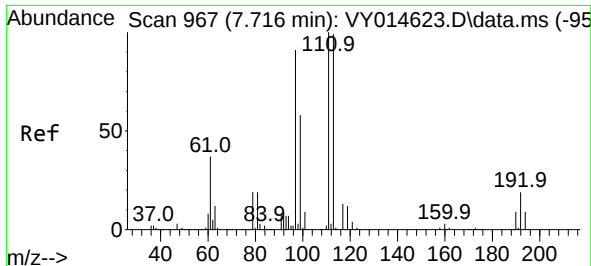
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 15.9 0.0 30.6

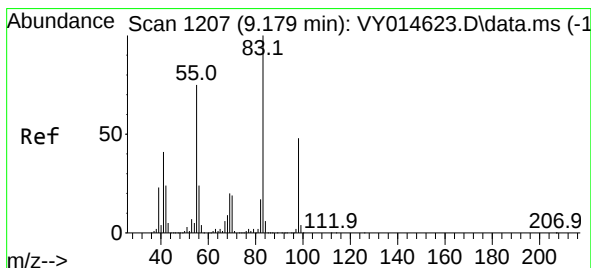
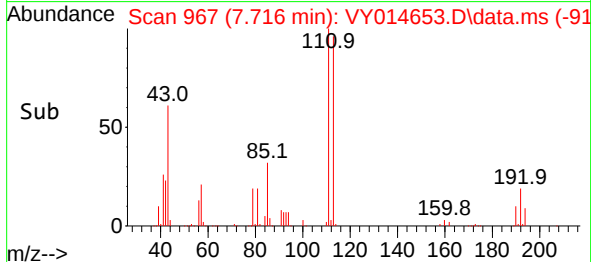
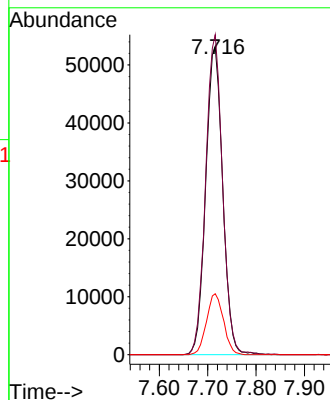
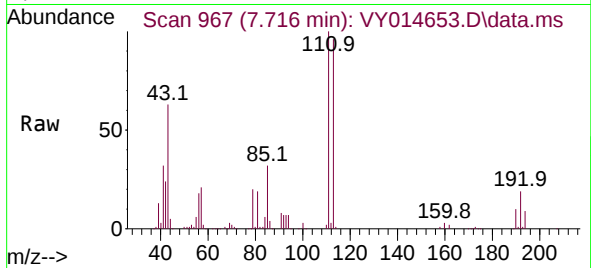




#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

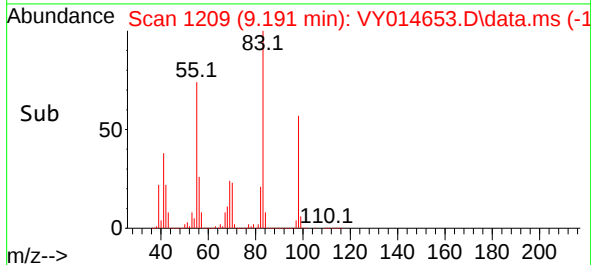
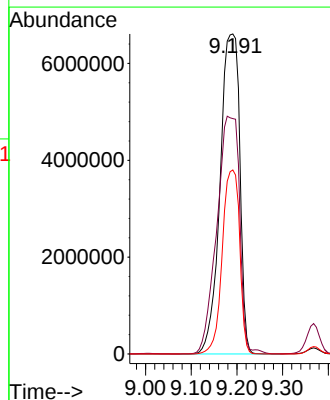
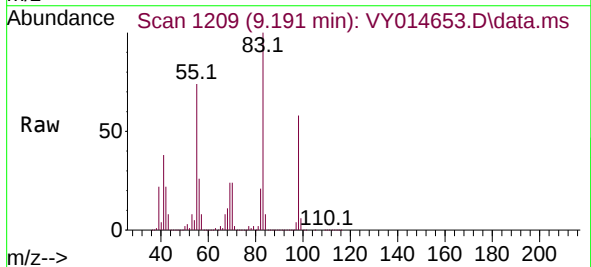
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-(7-9)

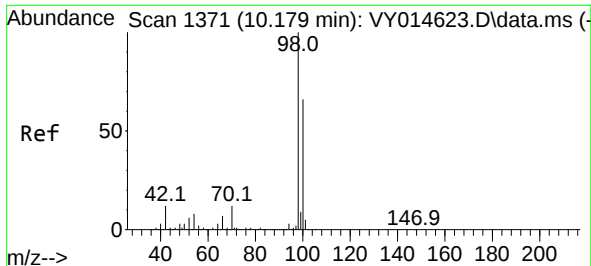
Tgt Ion:113 Resp: 129625
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.7 16.9 25.3



#39
Methylcyclohexane
Concen: 3873.691 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.012 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

Tgt Ion: 83 Resp:19751168
Ion Ratio Lower Upper
83 100
55 73.5 63.0 94.4
98 57.5 37.4 56.2#

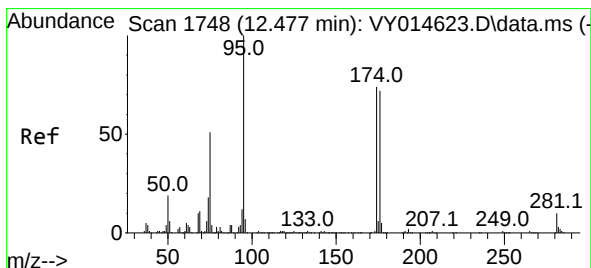
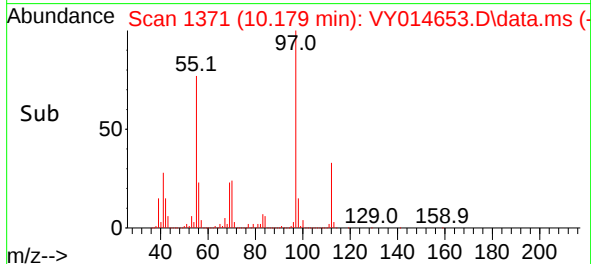
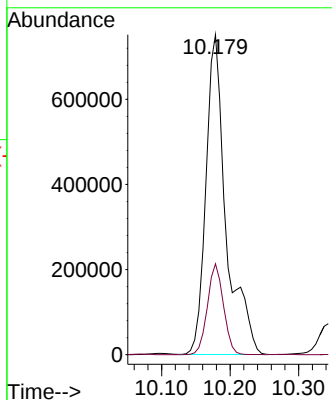
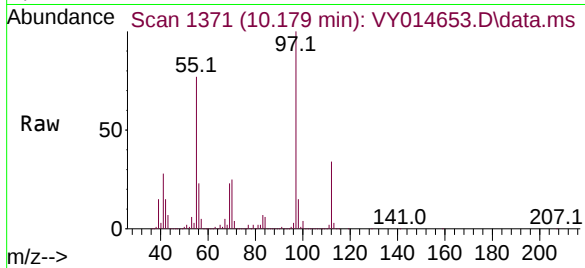




#50
Toluene-d8
Concen: 159.433 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

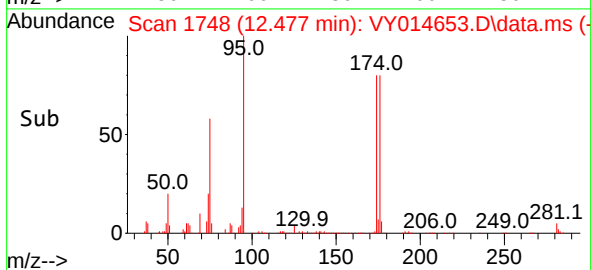
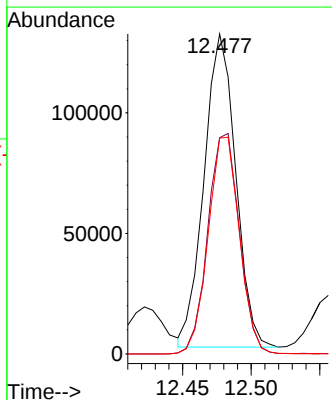
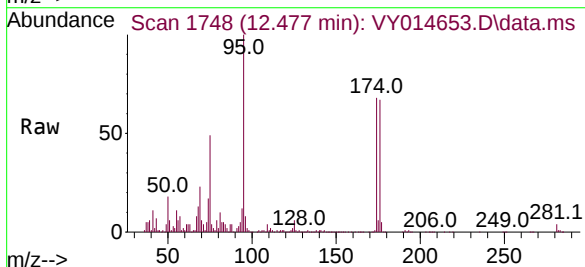
Instrument :
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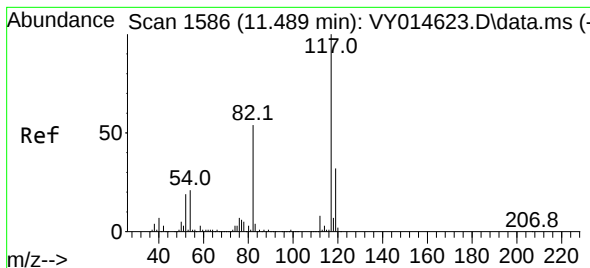
Tgt Ion: 98 Resp: 1538284
Ion Ratio Lower Upper
98 100
100 22.5 50.1 75.1#



#62
4-Bromofluorobenzene
Concen: 56.360 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

Tgt Ion: 95 Resp: 208507
Ion Ratio Lower Upper
95 100
174 70.3 0.0 178.2
176 68.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014653.D

Acq: 14 Jul 2023 17:27

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-(7-9)

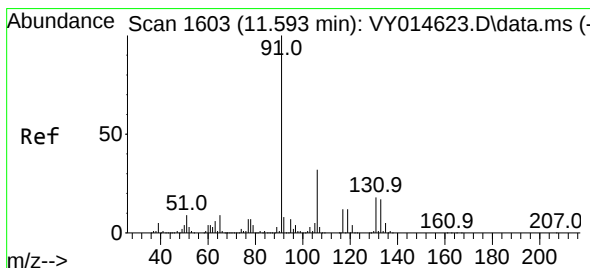
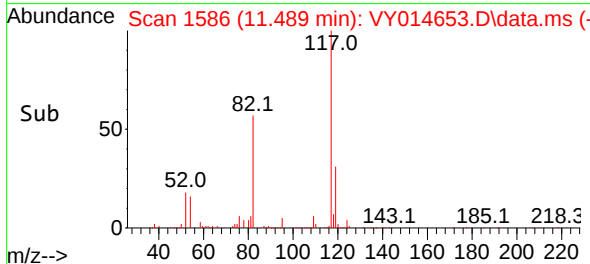
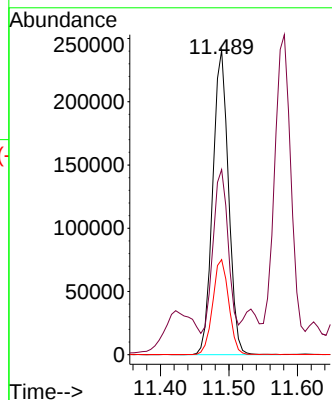
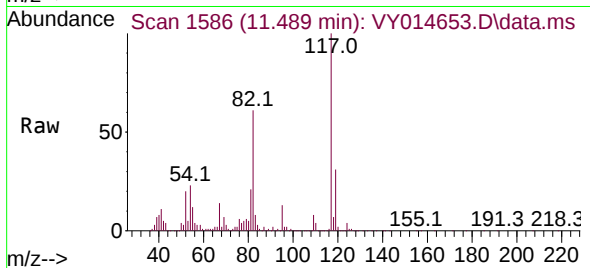
Tgt Ion:117 Resp: 383427

Ion Ratio Lower Upper

117 100

82 47.2 43.4 65.0

119 31.1 26.3 39.5



#67

Ethyl Benzene

Concen: 9.452 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY014653.D

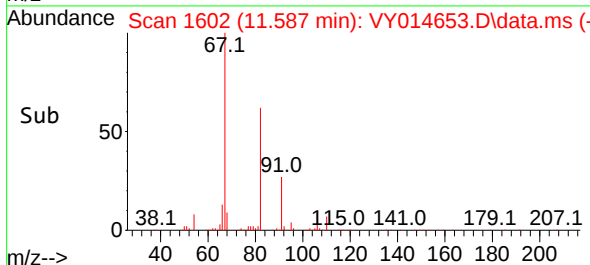
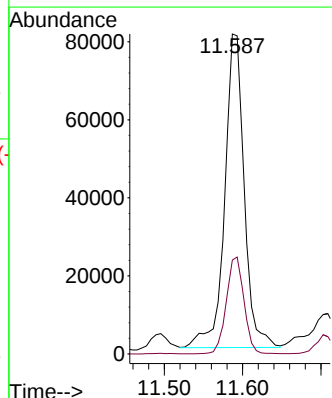
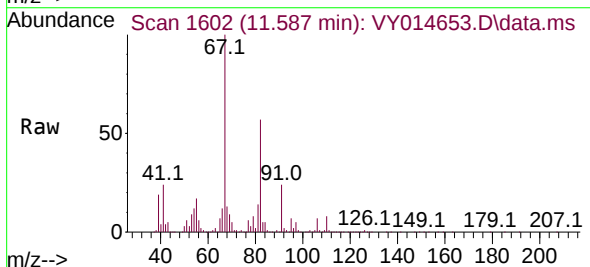
Acq: 14 Jul 2023 17:27

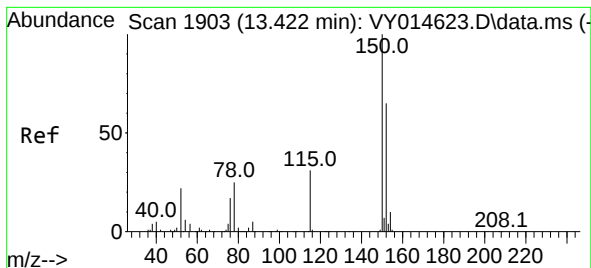
Tgt Ion: 91 Resp: 139445

Ion Ratio Lower Upper

91 100

106 29.9 24.6 36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014653.D

Acq: 14 Jul 2023 17:27

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-(7-9)

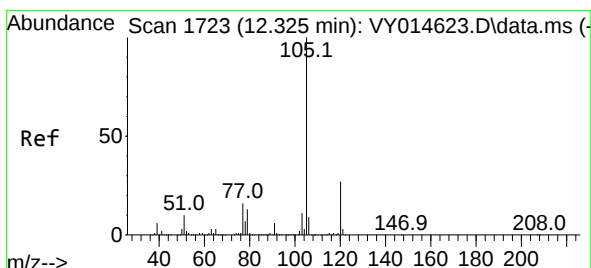
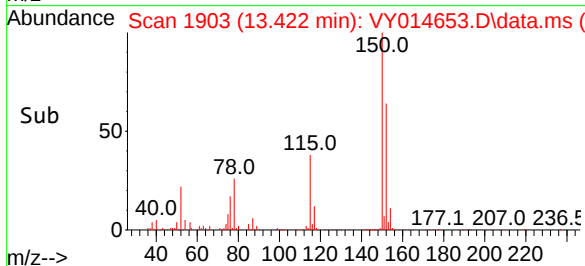
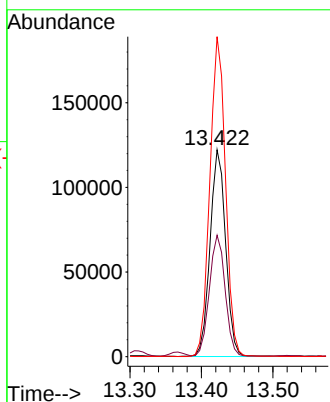
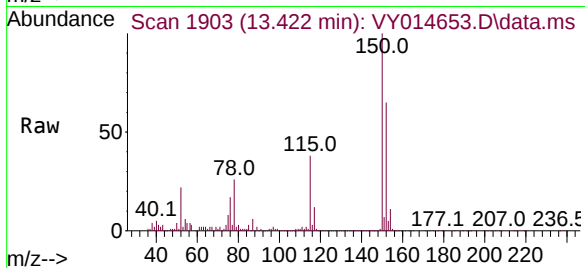
Tgt Ion:152 Resp: 184857

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 155.0 0.0 348.8



#73

Isopropylbenzene

Concen: 13.751 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY014653.D

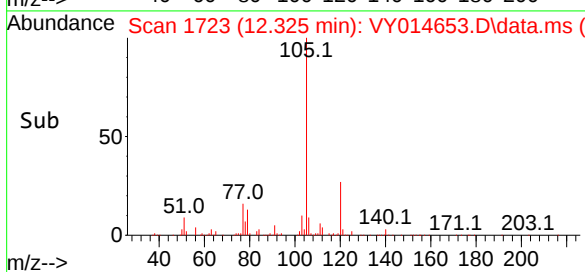
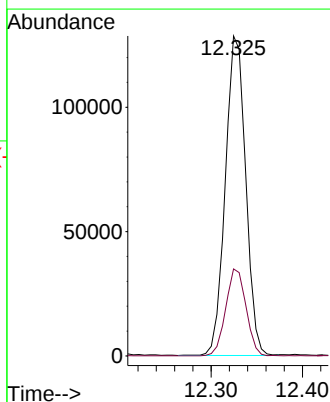
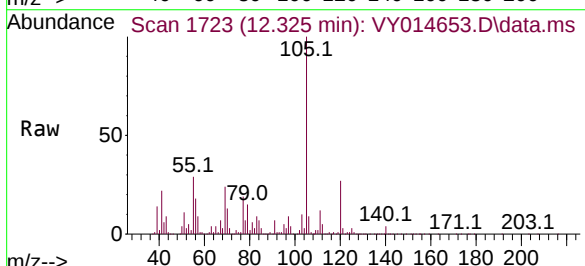
Acq: 14 Jul 2023 17:27

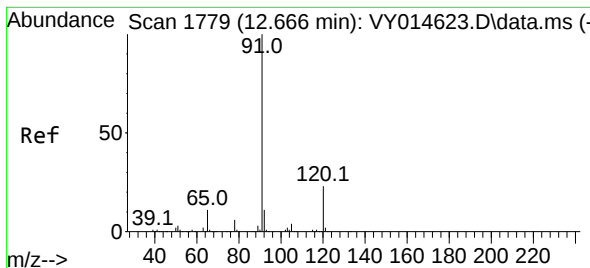
Tgt Ion:105 Resp: 199040

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9





#78

n-propylbenzene

Concen: 13.546 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VY014653.D

Acq: 14 Jul 2023 17:27

Instrument :

MSVOA_Y

ClientSampleId :

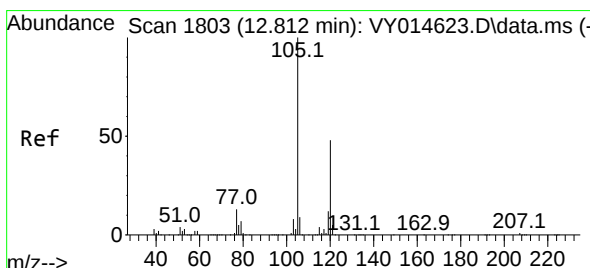
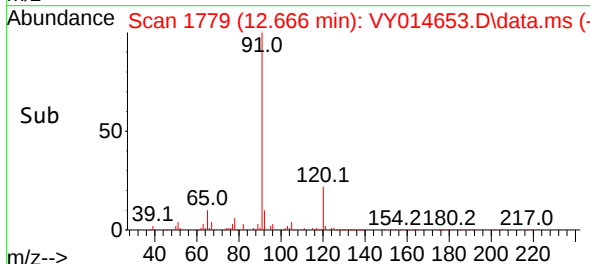
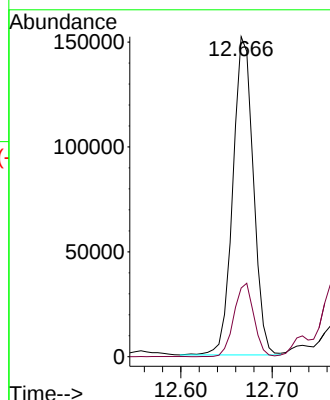
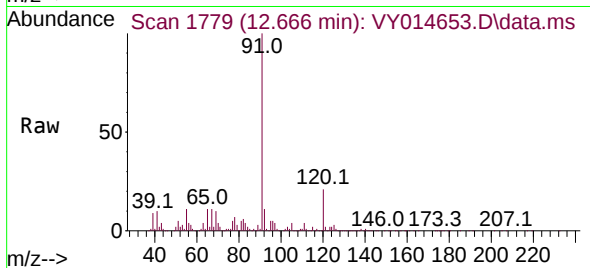
SB-03-(7-9)

Tgt Ion: 91 Resp: 236263

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 20.183 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY014653.D

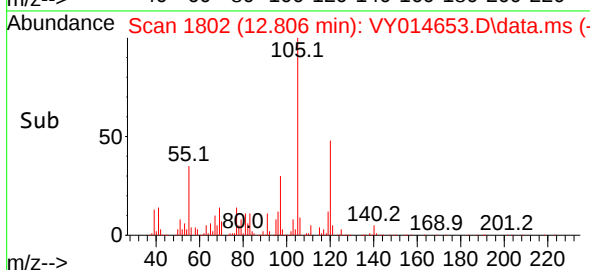
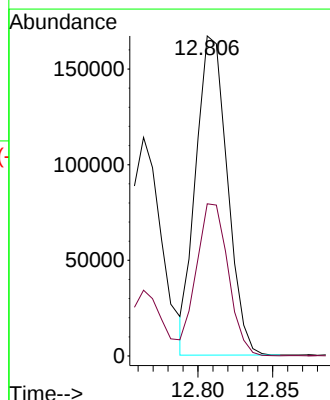
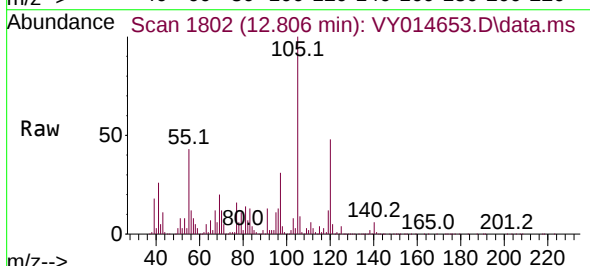
Acq: 14 Jul 2023 17:27

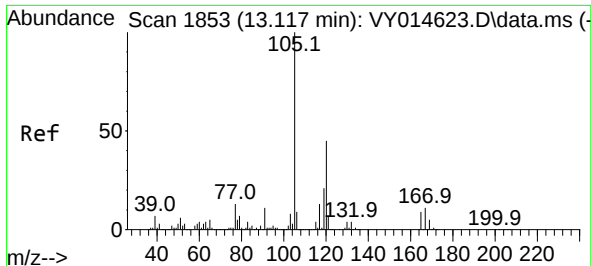
Tgt Ion: 105 Resp: 243974

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7

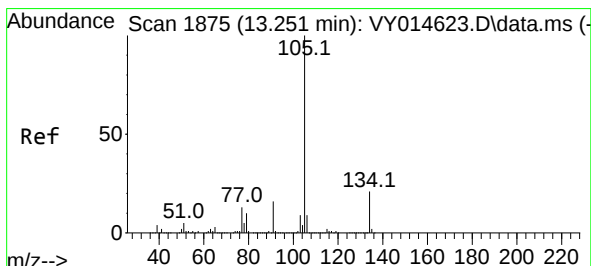
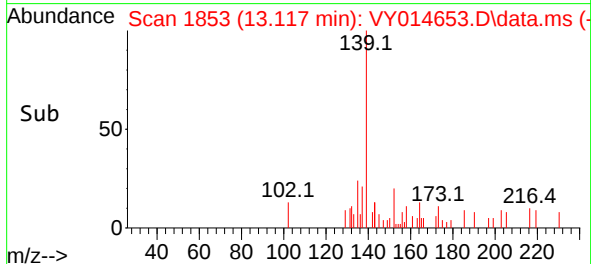
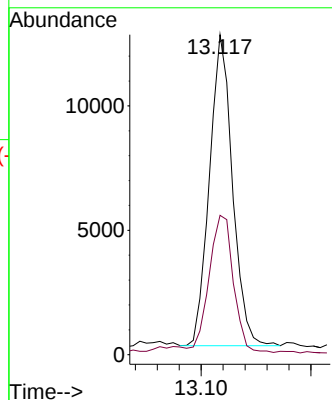
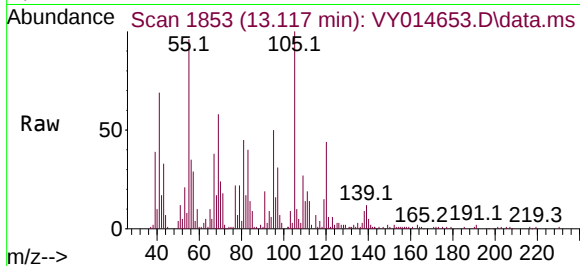




#84
1,2,4-Trimethylbenzene
Concen: 1.535 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

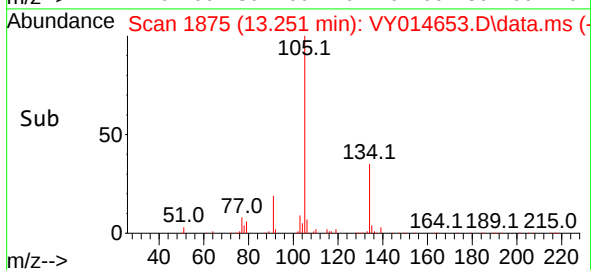
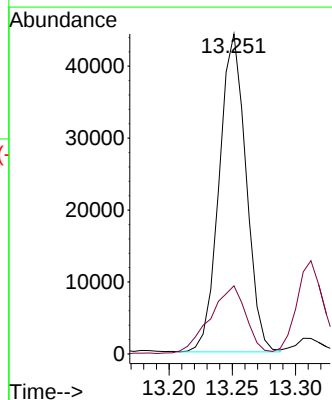
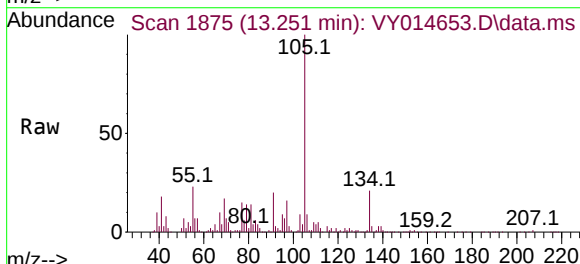
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-(7-9)

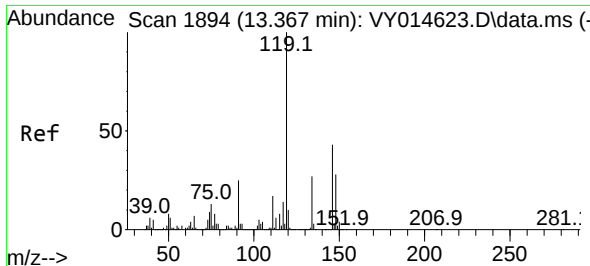
Tgt Ion:105 Resp: 18214
Ion Ratio Lower Upper
105 100
120 46.4 22.2 66.6



#85
sec-Butylbenzene
Concen: 4.151 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY014653.D
Acq: 14 Jul 2023 17:27

Tgt Ion:105 Resp: 65294
Ion Ratio Lower Upper
105 100
134 28.4 10.2 30.6

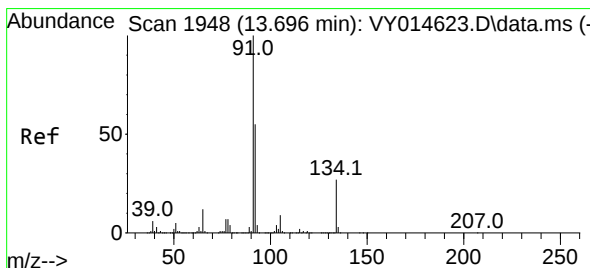
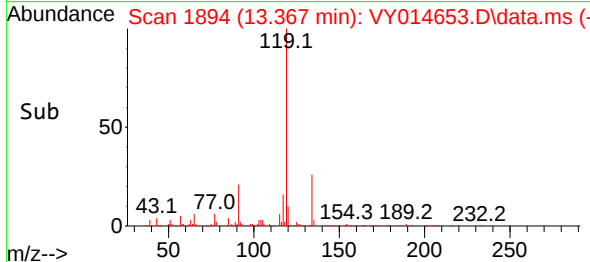
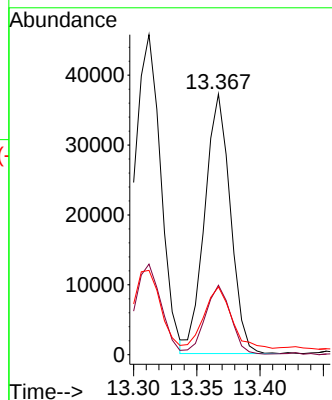
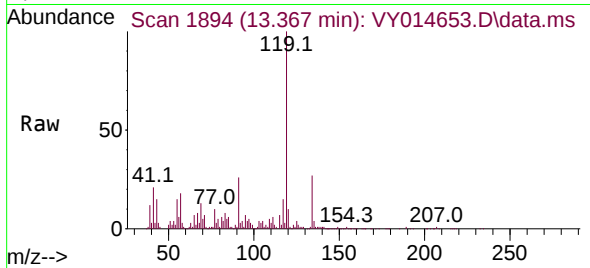




#86
 p-Isopropyltoluene
 Concen: 4.079 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY014653.D
 Acq: 14 Jul 2023 17:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-(7-9)

Tgt Ion:119 Resp: 52383
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 24.8 12.4 37.4



#89
 n-Butylbenzene
 Concen: 2.475 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY014653.D
 Acq: 14 Jul 2023 17:27

Tgt Ion: 91 Resp: 30928
 Ion Ratio Lower Upper
 91 100
 92 39.2 25.4 76.0
 134 0.0 12.6 37.6#

