

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015836.D
 Acq On : 04 Oct 2023 18:36
 Operator : SY/MD
 Sample : 04704-06
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:58:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

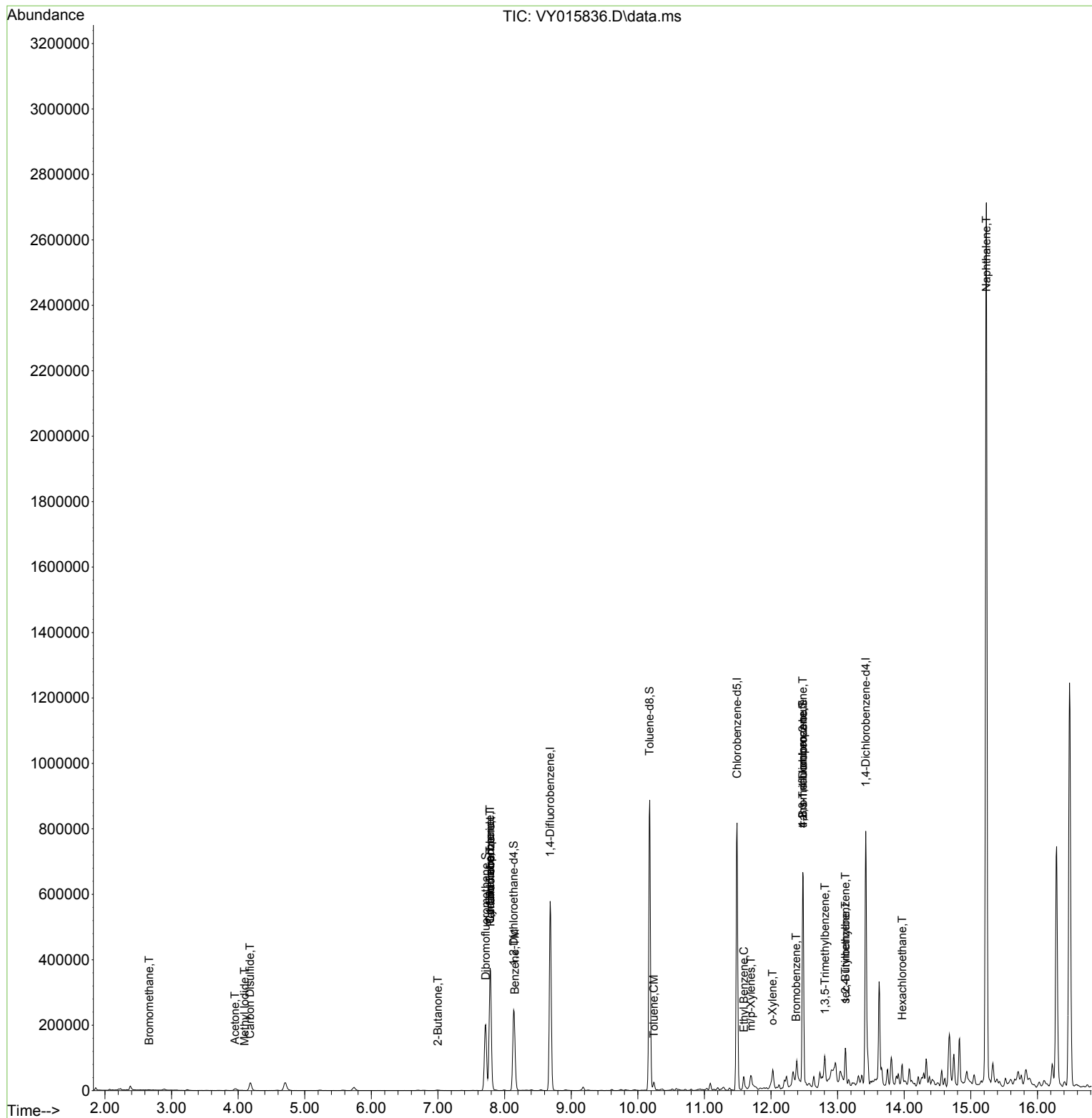
Internal Standards						
1) Pentafluorobenzene	7.789	168	292165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	500313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	448624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	184648	57.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.880%	
35) Dibromofluoromethane	7.716	113	144677	48.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.620%	
50) Toluene-d8	10.179	98	585408	57.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.320%	
62) 4-Bromofluorobenzene	12.477	95	197826	49.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	211	2.629	ug/l #	73
10) Methyl Iodide	4.094	142	48	2.742	ug/l #	38
11) Tert butyl alcohol	4.960	59	43	Below Cal	#	89
16) Acetone	3.954	43	11529	6.702	ug/l	89
17) Carbon Disulfide	4.180	76	48160	9.645	ug/l	99
25) 2-Butanone	6.996	43	2960	1.217	ug/l	99
31) Cyclohexane	7.783	56	7137	1.603	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	22431	5.066	ug/l #	50
38) Carbon Tetrachloride	7.783	117	29483	6.135	ug/l #	16
40) Benzene	8.155	78	37019	2.742	ug/l	97
52) Toluene	10.240	92	9894	1.137	ug/l	94
67) Ethyl Benzene	11.593	91	27346	1.598	ug/l	94
68) m/p-Xylenes	11.697	106	12059	1.854	ug/l	96
69) o-Xylene	12.026	106	13924	2.183	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	103435	32.768	ug/l #	100
77) Bromobenzene	12.380	156	32973	9.050	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	23053	1.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	103435	73.789	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	58204	4.681	ug/l	98
85) sec-Butylbenzene	13.117	105	58204	3.574	ug/l #	56
90) Hexachloroethane	13.971	117	2816	1.072	ug/l #	8
95) Naphthalene	15.233	128	2166671	197.806	ug/l	99

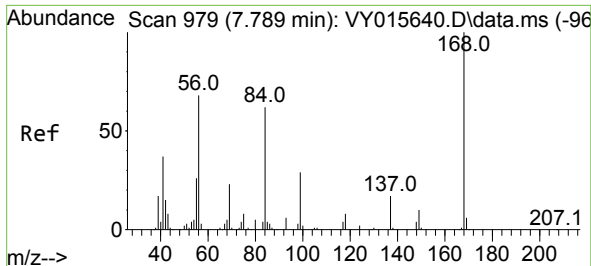
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
Data File : VY015836.D
Acq On : 04 Oct 2023 18:36
Operator : SY/MD
Sample : 04704-06
Misc : 4.56g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 05 06:58:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

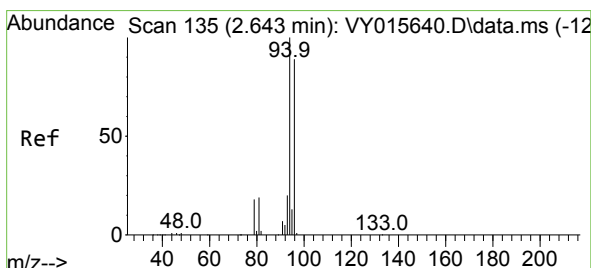
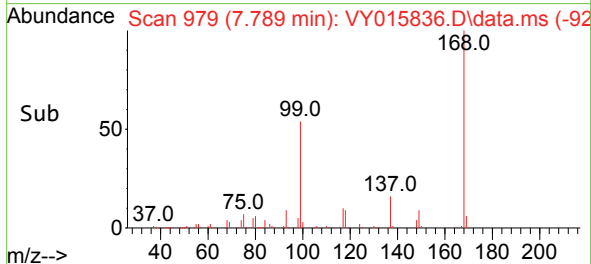
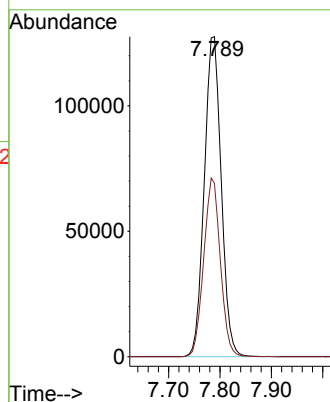
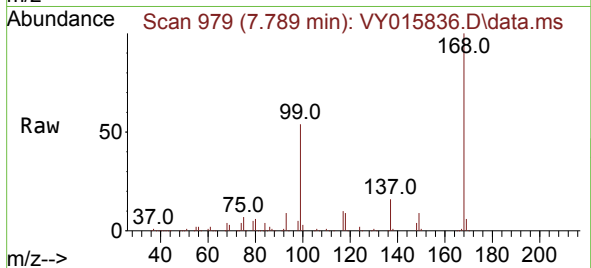




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

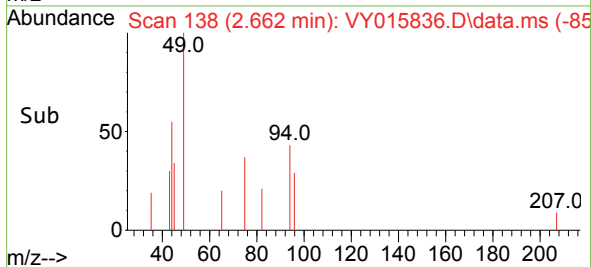
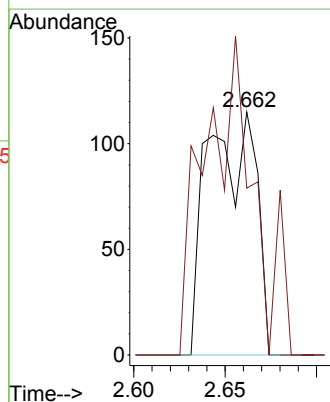
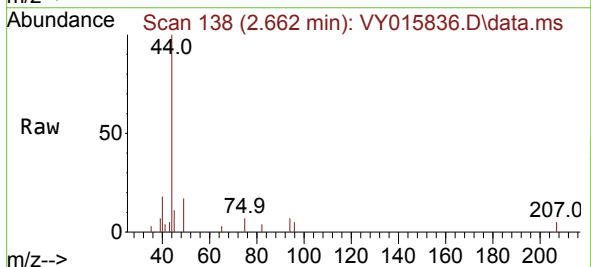
Instrument :
MSVOA_Y
ClientSampleId :

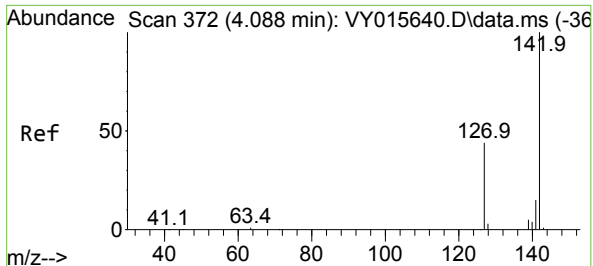
Tgt Ion:168 Resp: 292165
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#5
Bromomethane
Concen: 2.629 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

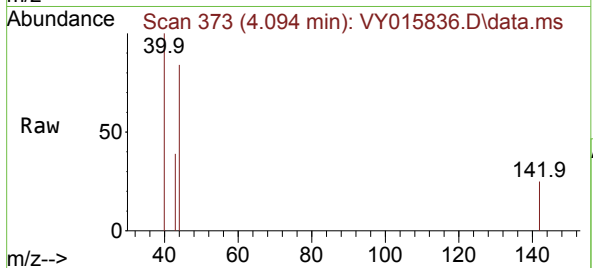
Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 68.7 75.8 113.6#



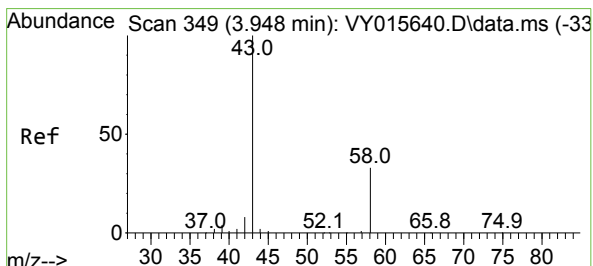
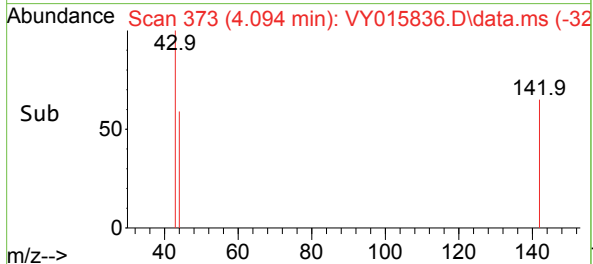
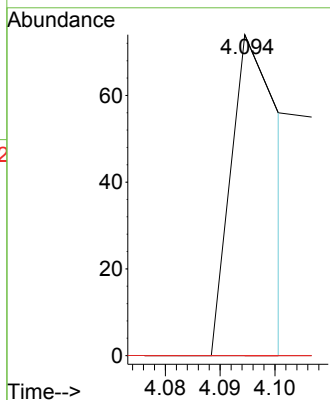


#10
Methyl Iodide
Concen: 2.742 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

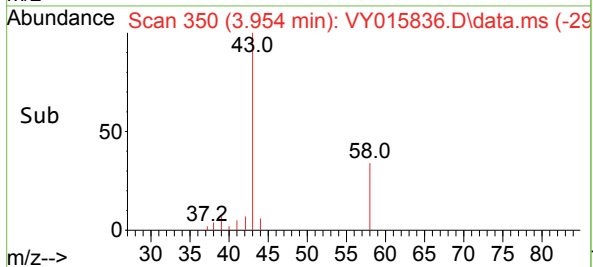
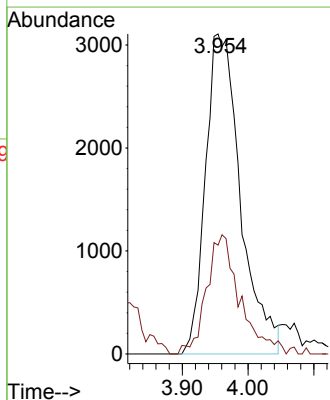
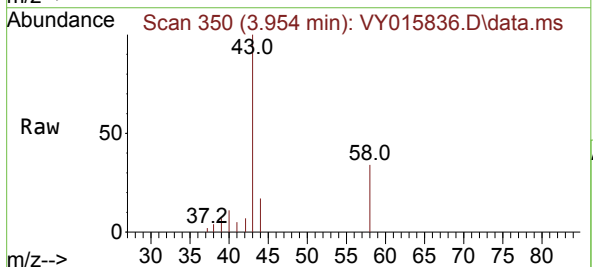


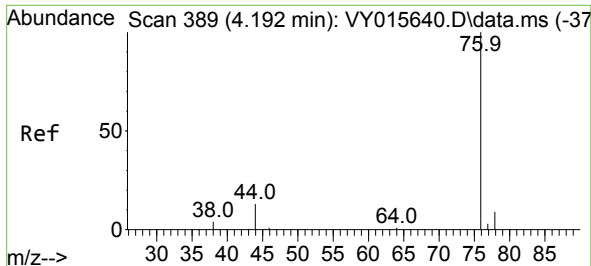
Tgt Ion:142 Resp: 48
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 6.702 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

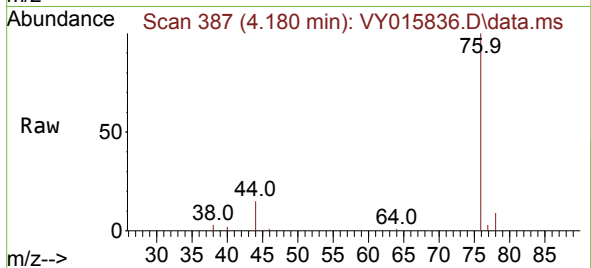
Tgt Ion: 43 Resp: 11529
Ion Ratio Lower Upper
43 100
58 34.0 22.7 34.1



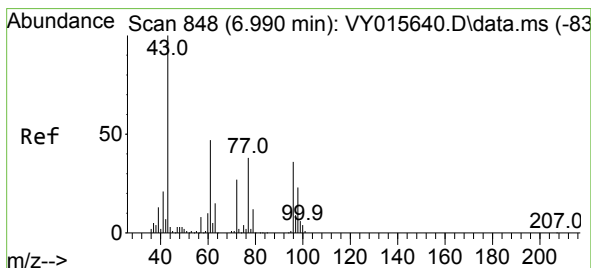
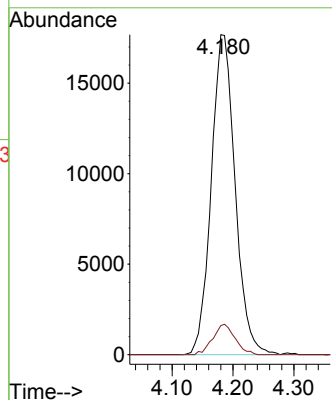


#17
Carbon Disulfide
Concen: 9.645 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

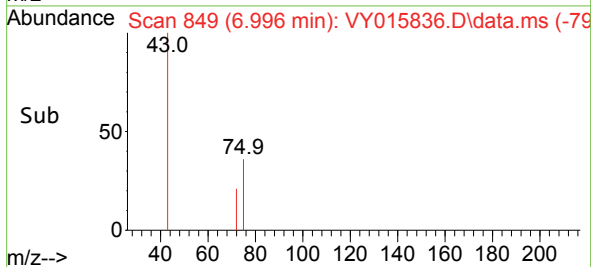
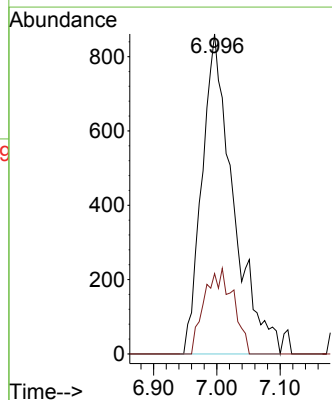
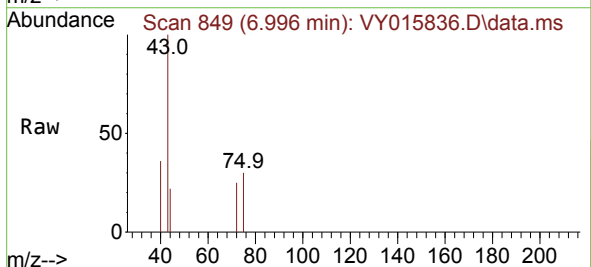


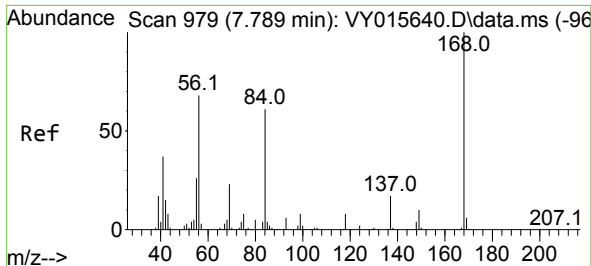
Tgt Ion: 76 Resp: 48160
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#25
2-Butanone
Concen: 1.217 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

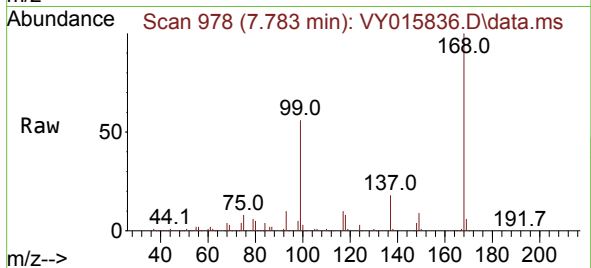
Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
72 25.1 20.5 30.7



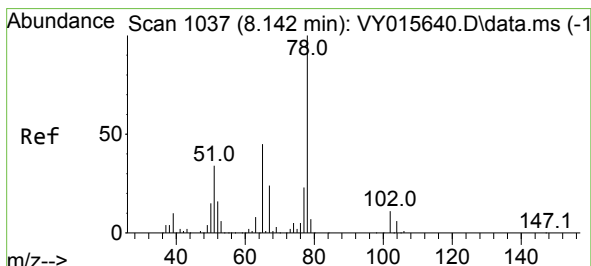
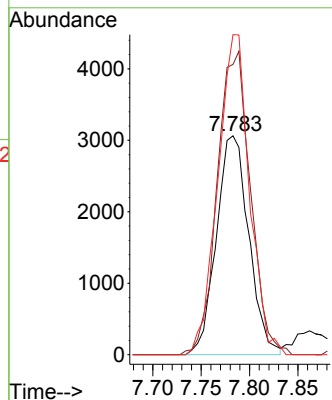
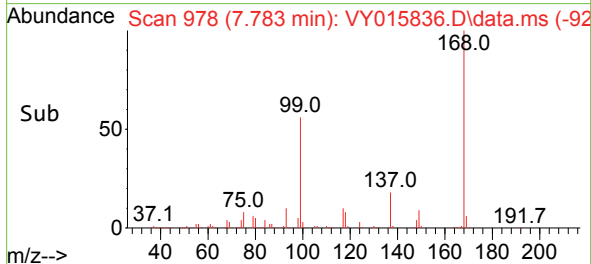


#31
Cyclohexane
Concen: 1.603 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :

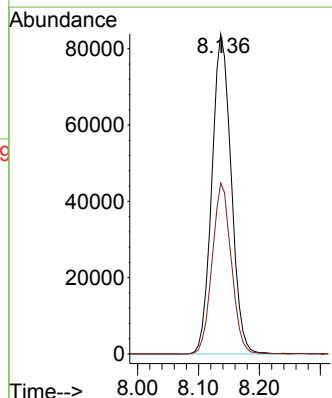
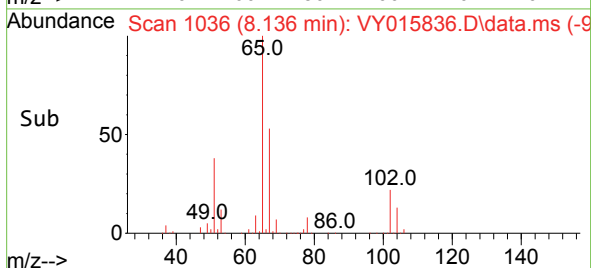
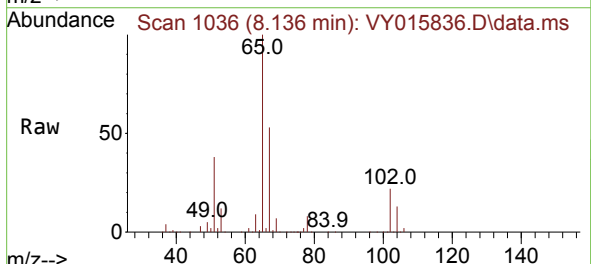


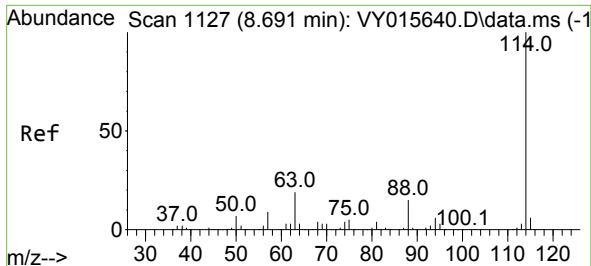
Tgt Ion: 56 Resp: 7137
Ion Ratio Lower Upper
56 100
69 132.6 27.8 41.6#
84 146.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.440 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Tgt Ion: 65 Resp: 184648
Ion Ratio Lower Upper
65 100
67 52.9 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: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

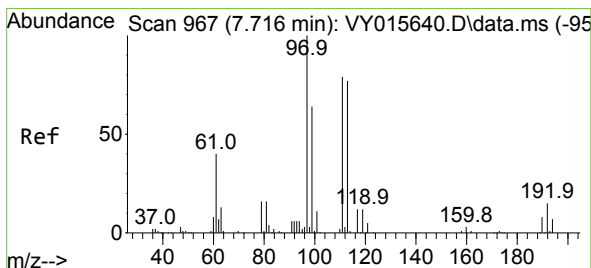
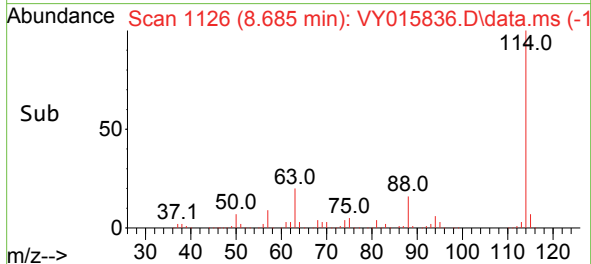
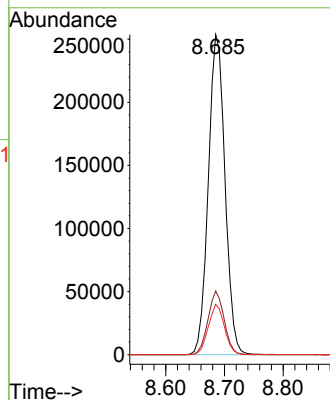
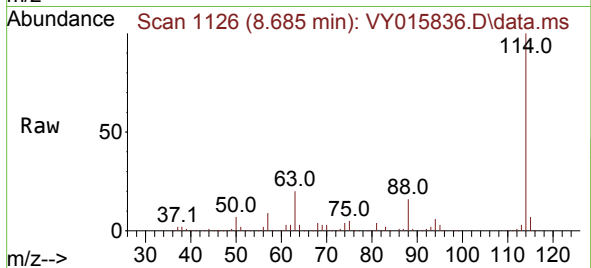
Tgt Ion:114 Resp: 500313

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.313 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

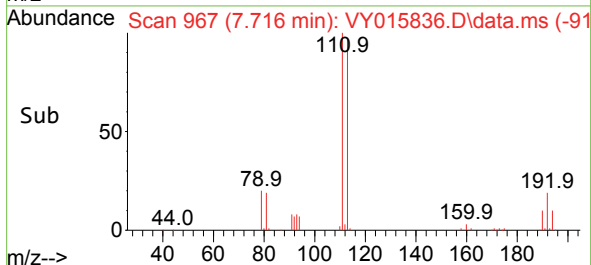
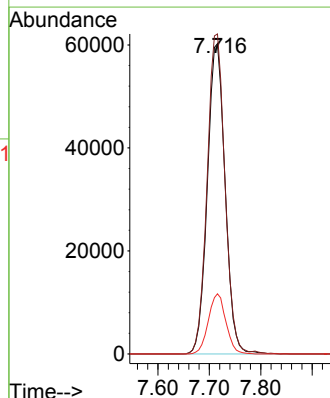
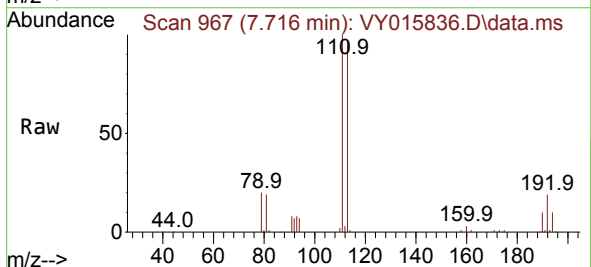
Tgt Ion:113 Resp: 144677

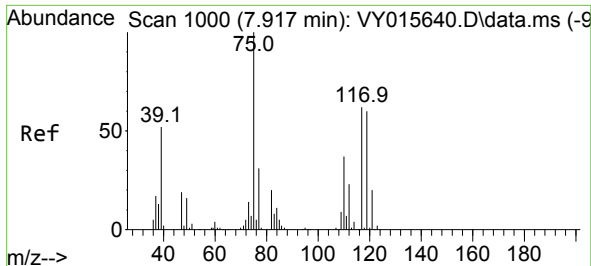
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

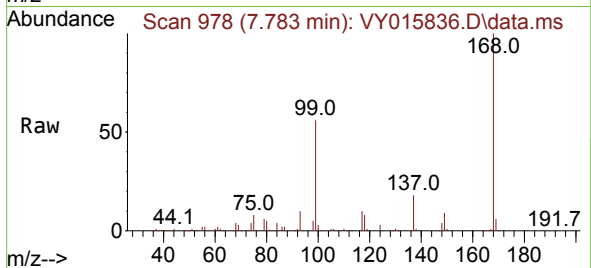
192 19.1 16.9 25.3



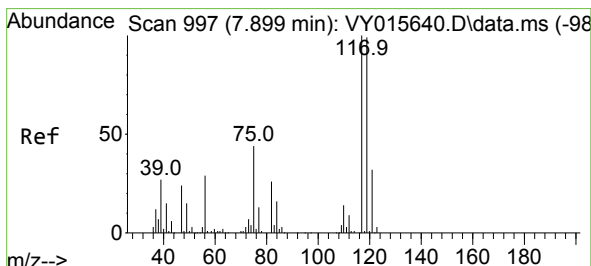
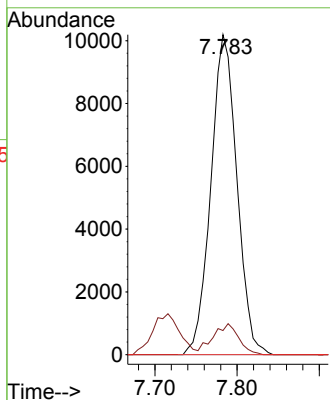
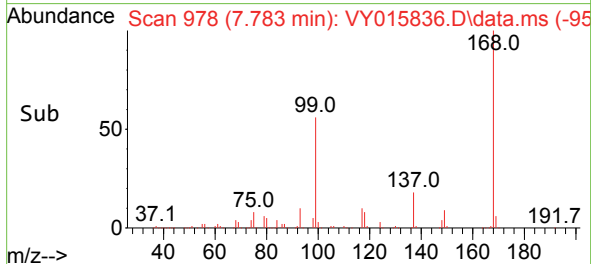


#36
1,1-Dichloropropene
Concen: 5.066 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

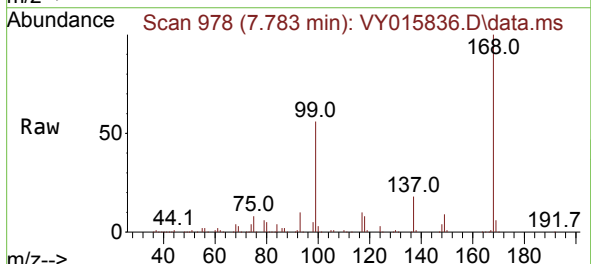
Instrument :
MSVOA_Y
ClientSampleId :



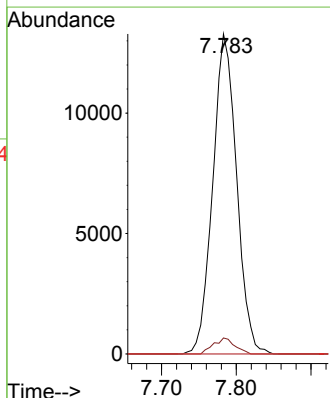
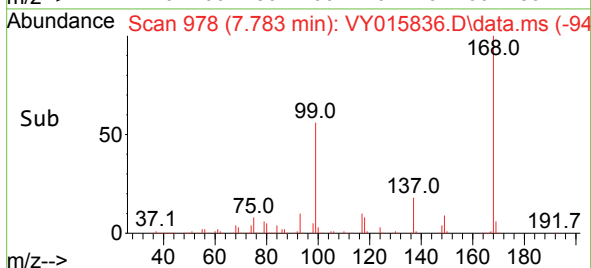
Tgt Ion: 75 Resp: 22431
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#

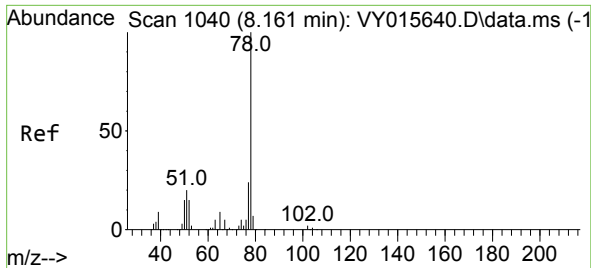


#38
Carbon Tetrachloride
Concen: 6.135 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36



Tgt Ion: 117 Resp: 29483
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#

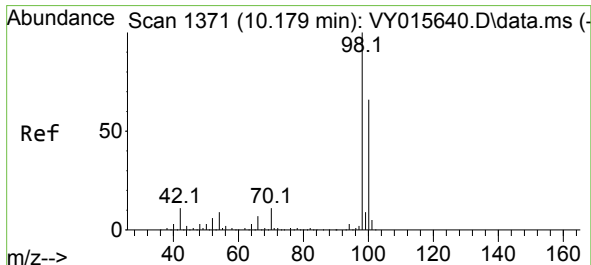
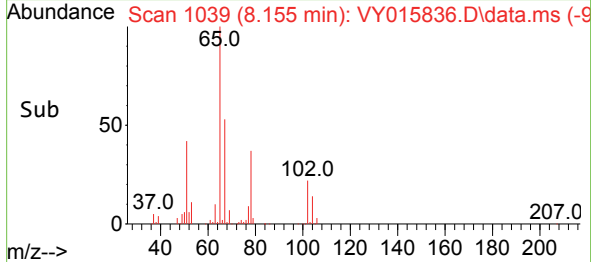
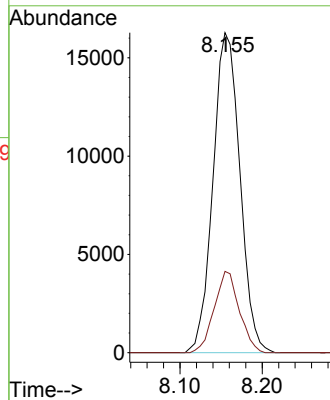
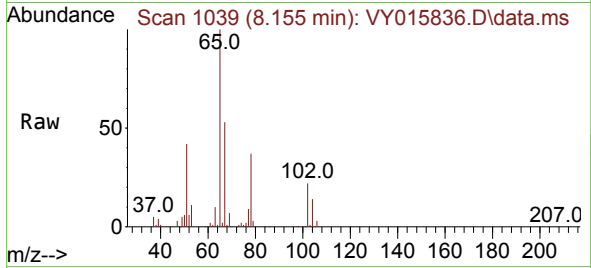




#40
Benzene
Concen: 2.742 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

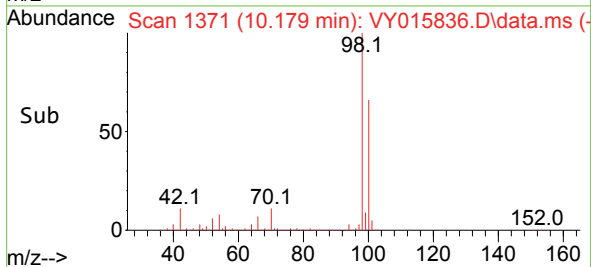
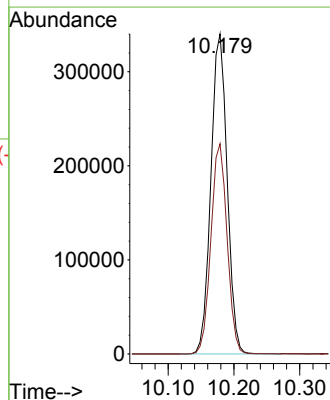
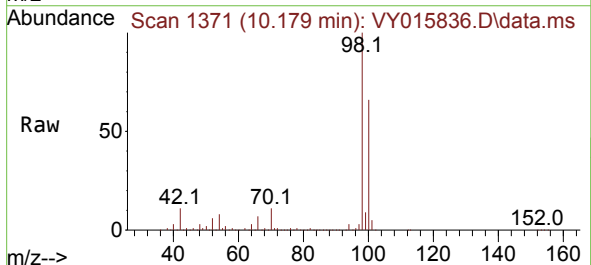
Instrument :
MSVOA_Y
ClientSampleId :

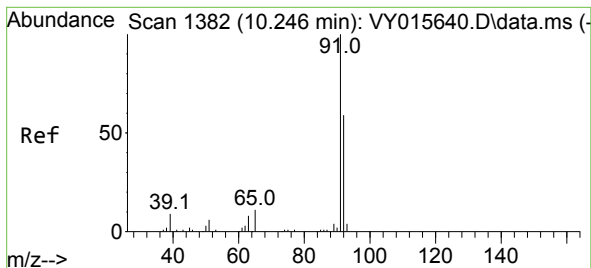
Tgt Ion: 78 Resp: 37019
Ion Ratio Lower Upper
78 100
77 25.4 19.0 28.6



#50
Toluene-d8
Concen: 57.656 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Tgt Ion: 98 Resp: 585408
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1





#52

Toluene

Concen: 1.137 ug/l

RT: 10.240 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA_Y

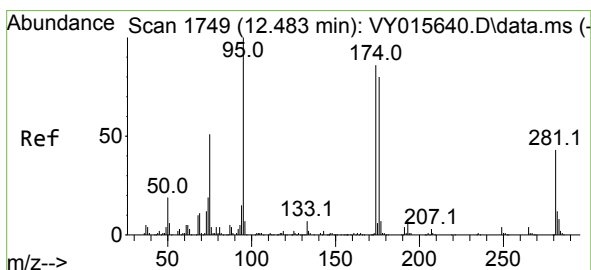
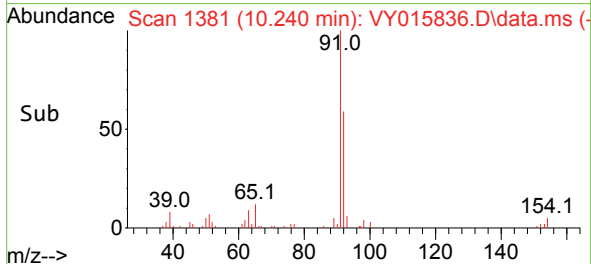
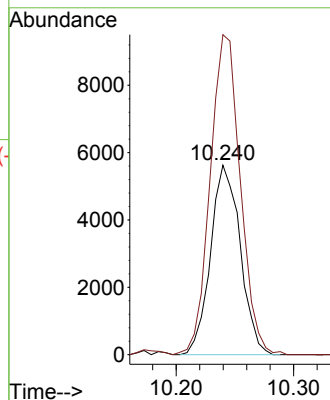
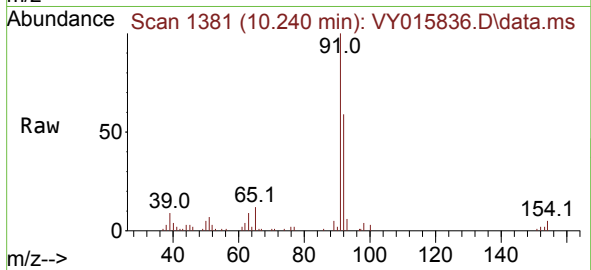
ClientSampleId :

Tgt Ion: 92 Resp: 9894

Ion Ratio Lower Upper

92 100

91 171.2 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 49.648 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

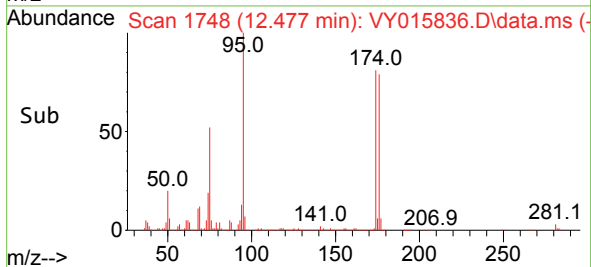
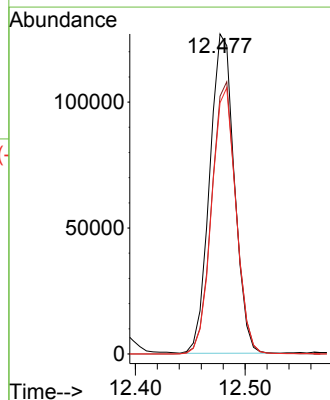
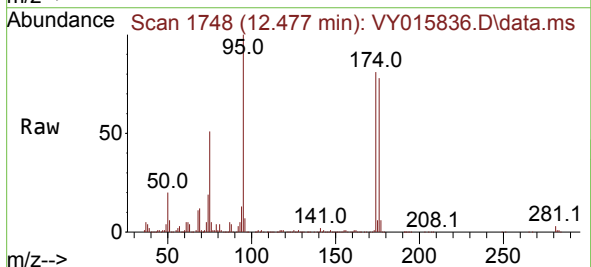
Tgt Ion: 95 Resp: 197826

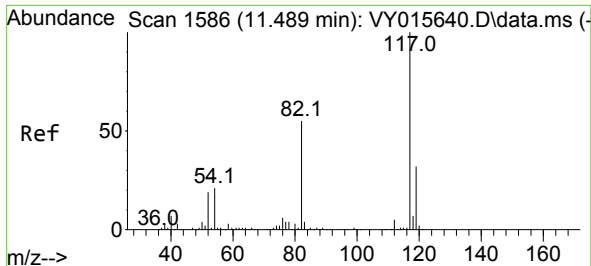
Ion Ratio Lower Upper

95 100

174 84.2 0.0 178.2

176 82.5 0.0 173.8

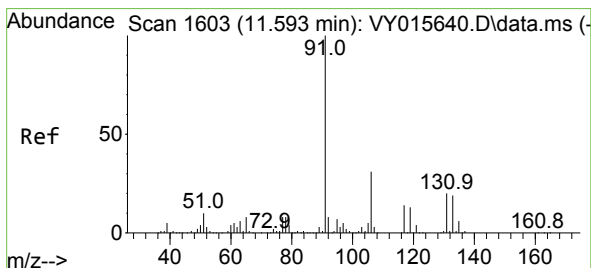
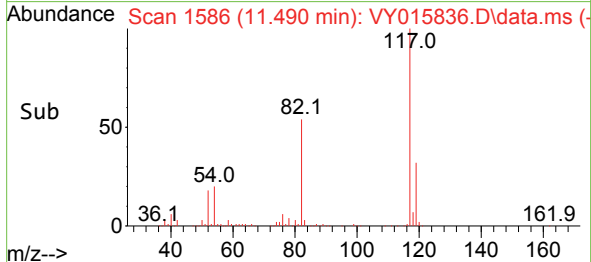
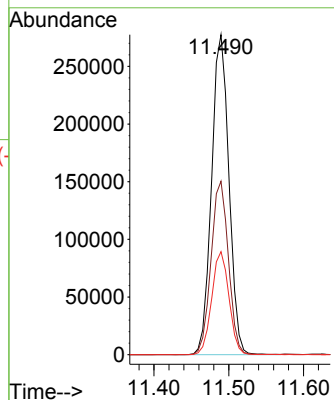
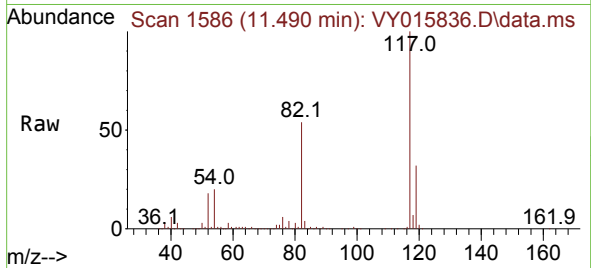




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

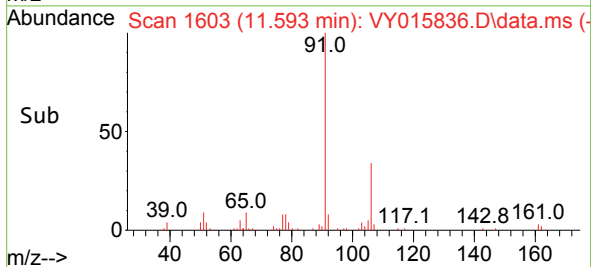
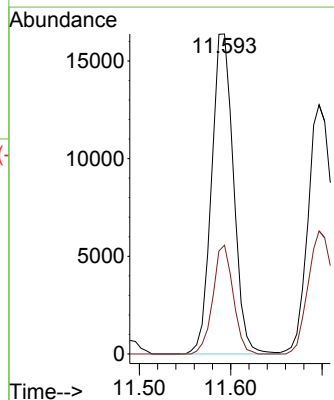
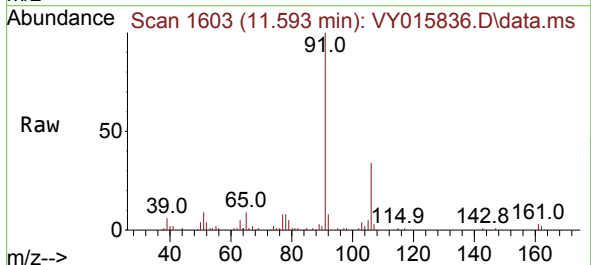
Instrument :
MSVOA_Y
ClientSampleId :

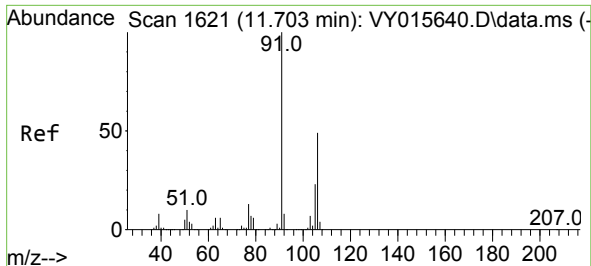
Tgt Ion:117 Resp: 448624
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 32.2 26.3 39.5



#67
Ethyl Benzene
Concen: 1.598 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Tgt Ion: 91 Resp: 27346
Ion Ratio Lower Upper
91 100
106 34.0 24.6 36.8

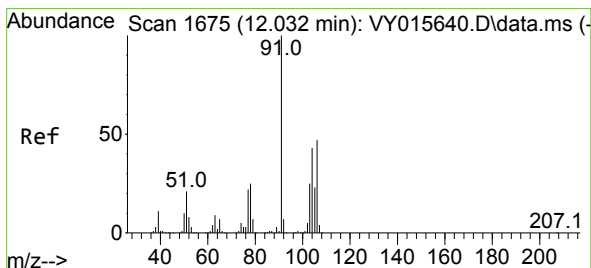
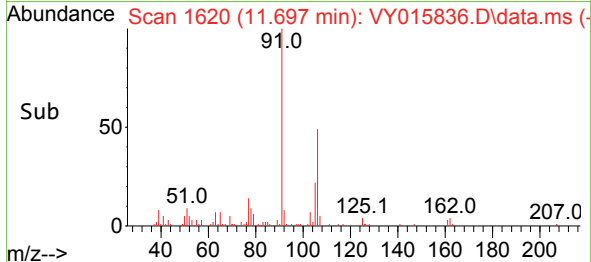
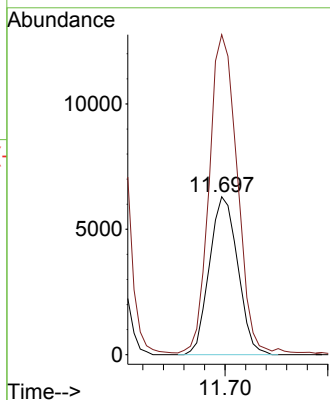
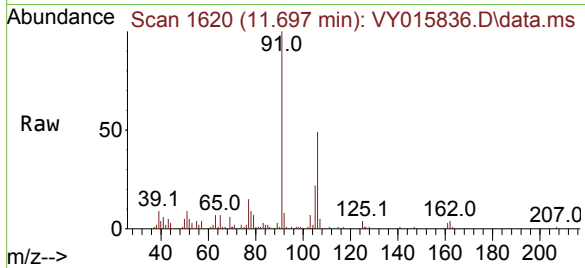




#68
m/p-Xylenes
Concen: 1.854 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

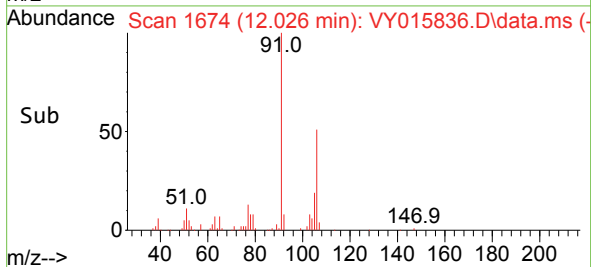
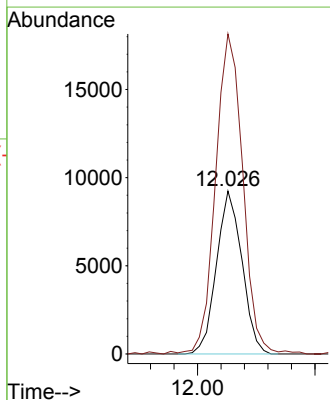
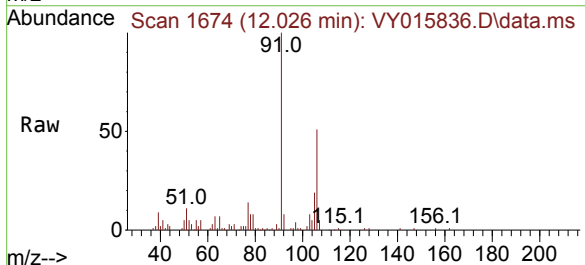
Instrument :
MSVOA_Y
ClientSampleId :

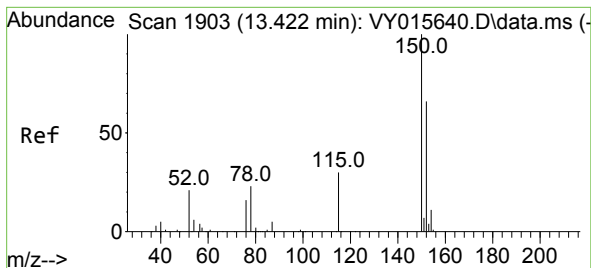
Tgt Ion:106 Resp: 12059
Ion Ratio Lower Upper
106 100
91 200.8 166.1 249.1



#69
o-Xylene
Concen: 2.183 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Tgt Ion:106 Resp: 13924
Ion Ratio Lower Upper
106 100
91 210.2 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

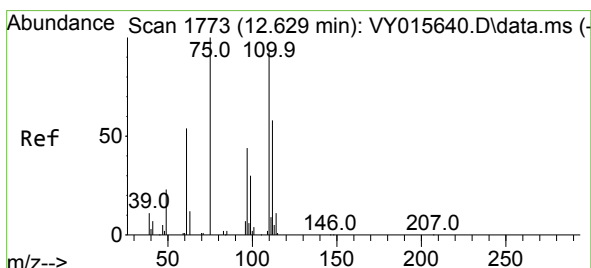
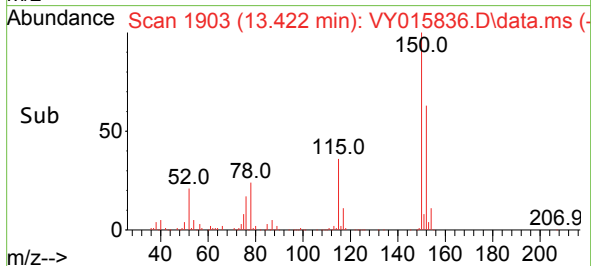
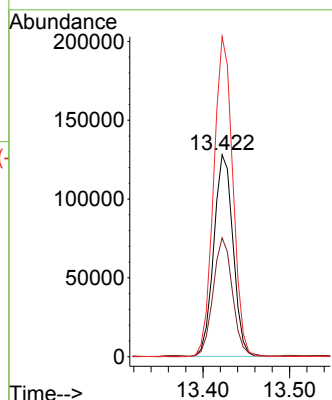
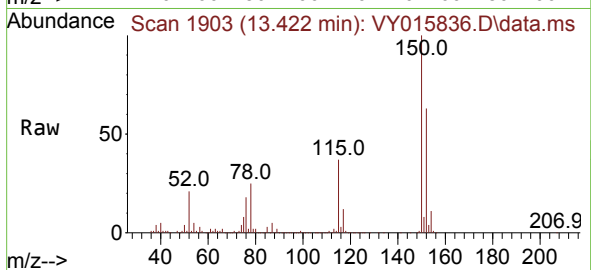
Tgt Ion:152 Resp: 197866

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 32.768 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015836.D

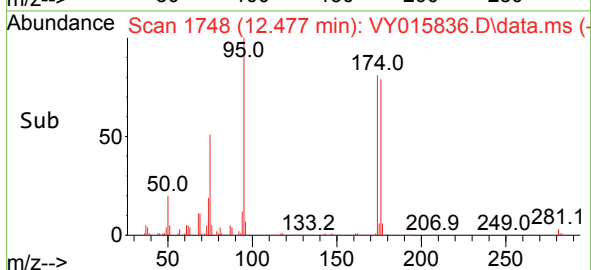
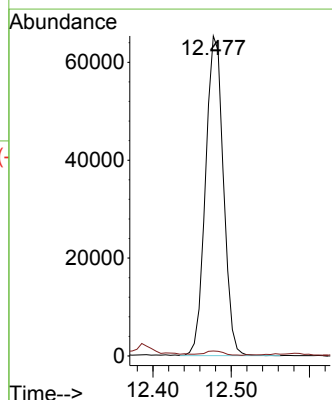
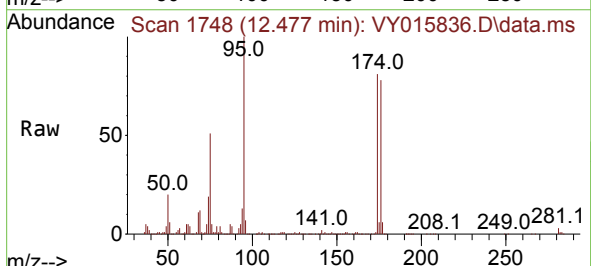
Acq: 04 Oct 2023 18:36

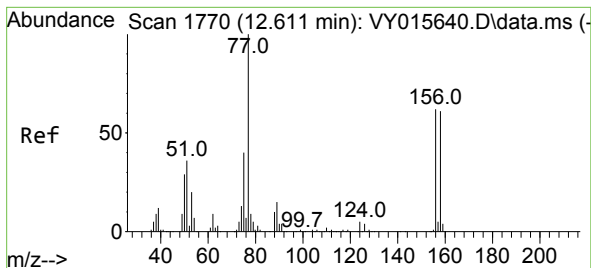
Tgt Ion: 75 Resp: 103435

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#77

Bromobenzene

Concen: 9.050 ug/l

RT: 12.380 min Scan# 1770

Delta R.T. -0.225 min

Lab File: VY015836.D

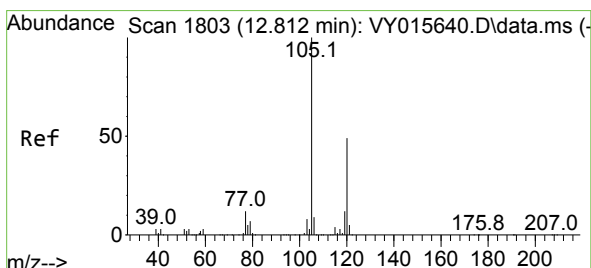
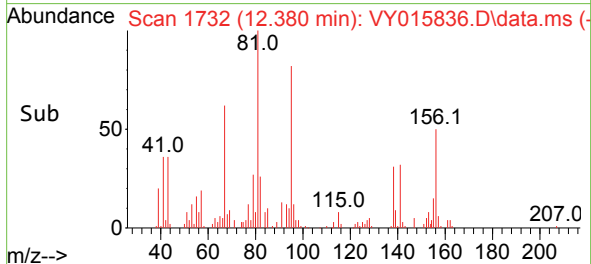
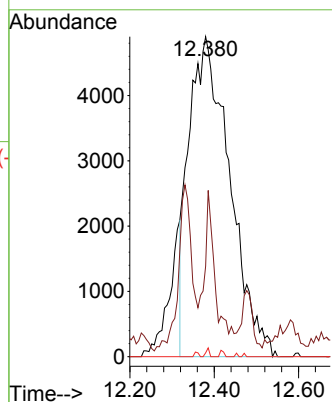
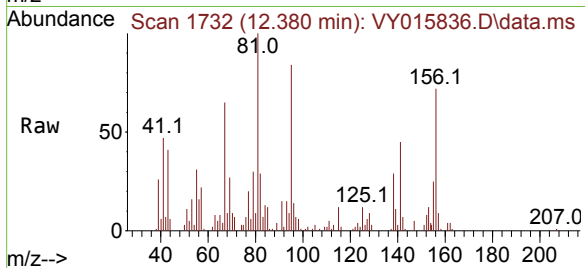
Acq: 04 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	156	Resp:	32973
Ion Ratio	Lower	Upper	
156	100		
77	9.9	92.8	278.6#
158	0.2	48.4	145.3#



#80

1,3,5-Trimethylbenzene

Concen: 1.855 ug/l

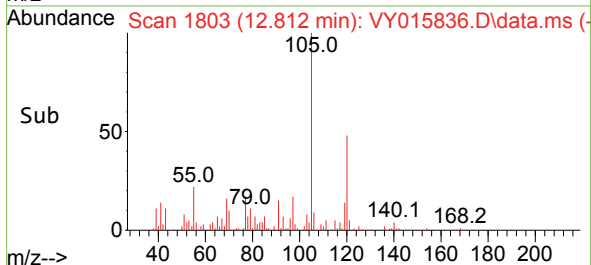
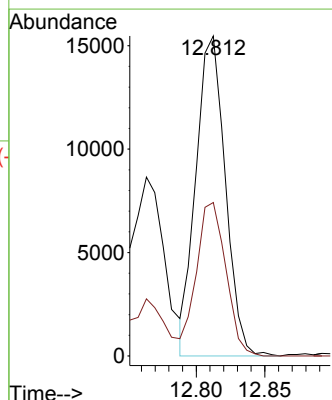
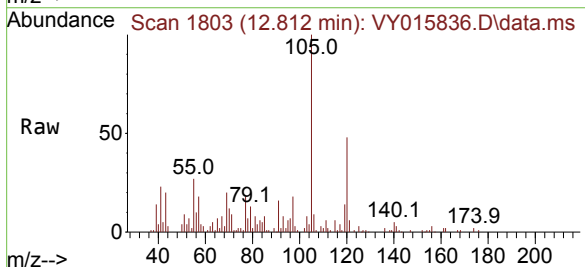
RT: 12.812 min Scan# 1803

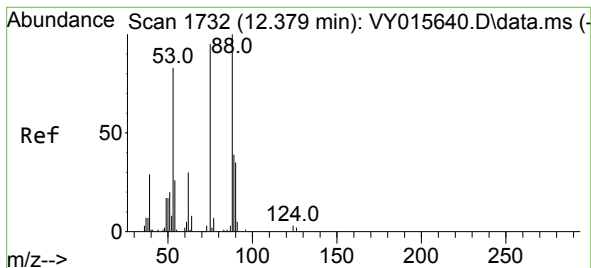
Delta R.T. 0.000 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Tgt Ion:	105	Resp:	23053
Ion Ratio	Lower	Upper	
105	100		
120	48.1	23.9	71.7

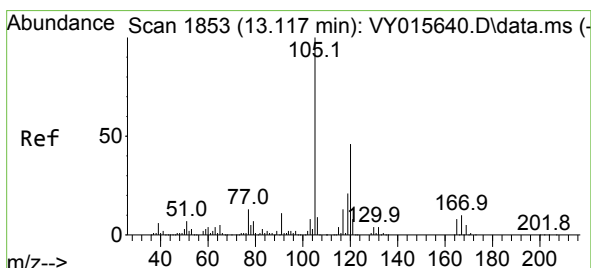
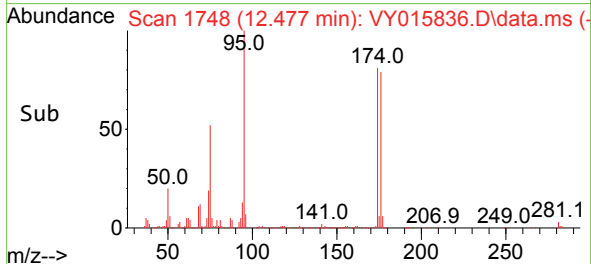
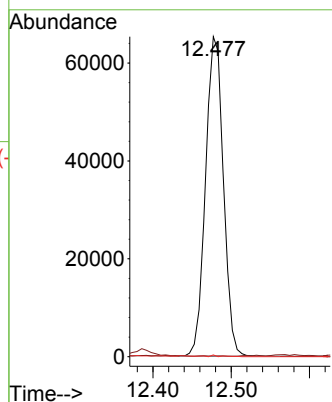
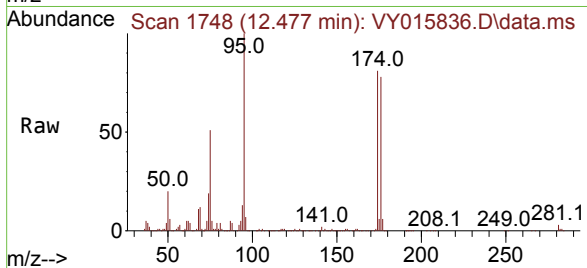




#81
trans-1,4-Dichloro-2-butene
Concen: 73.789 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

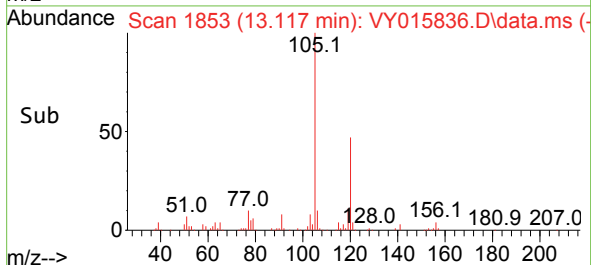
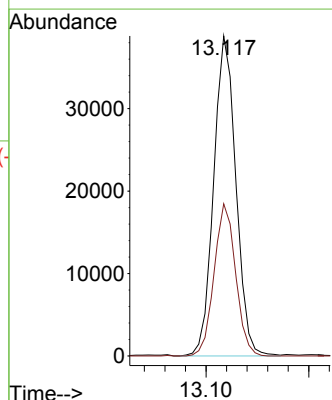
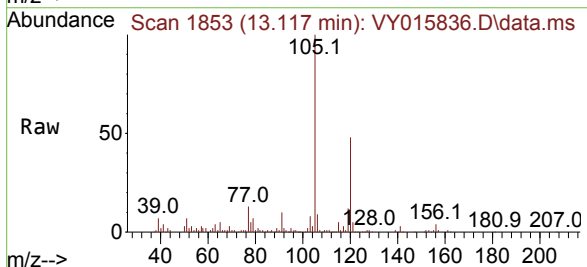
Instrument :
MSVOA_Y
ClientSampleId :

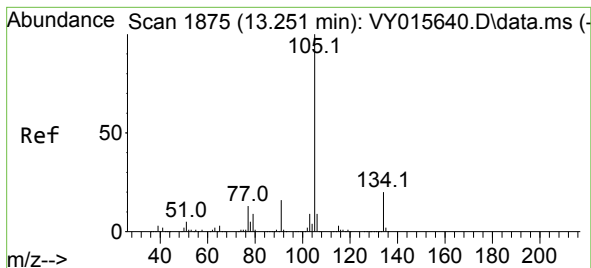
Tgt Ion: 75 Resp: 103435
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.681 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Tgt Ion: 105 Resp: 58204
Ion Ratio Lower Upper
105 100
120 45.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 3.574 ug/l

RT: 13.117 min Scan# 1875

Delta R.T. -0.134 min

Lab File: VY015836.D

Acq: 04 Oct 2023 18:36

Instrument :

MSVOA_Y

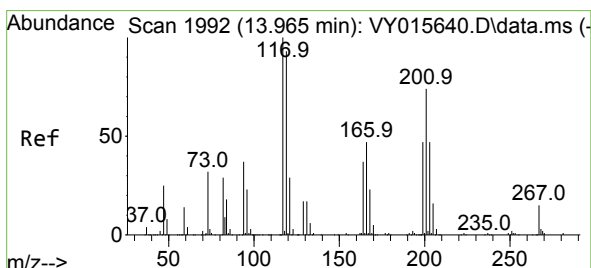
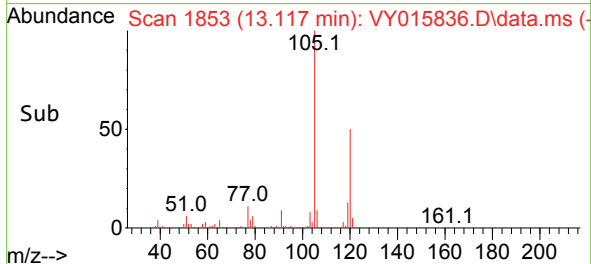
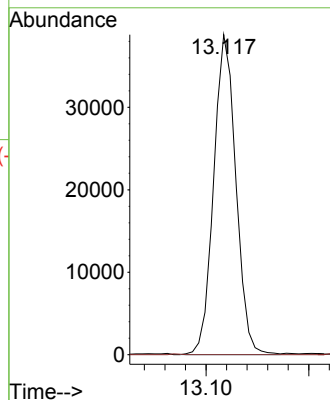
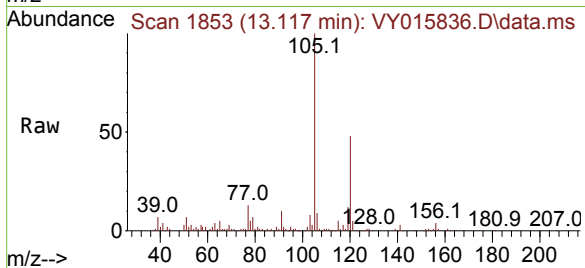
ClientSampleId :

Tgt Ion:105 Resp: 58204

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#90

Hexachloroethane

Concen: 1.072 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY015836.D

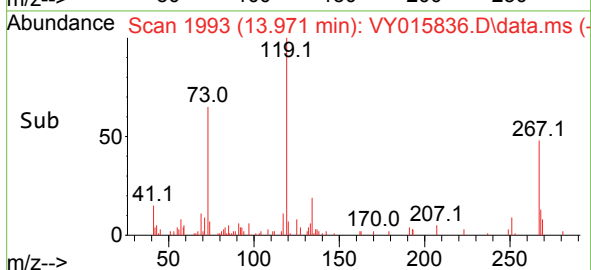
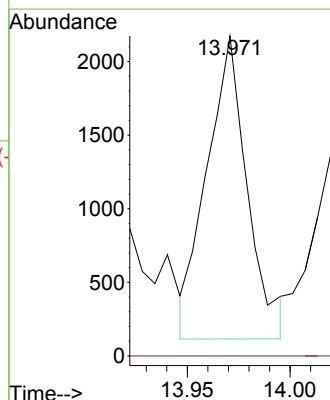
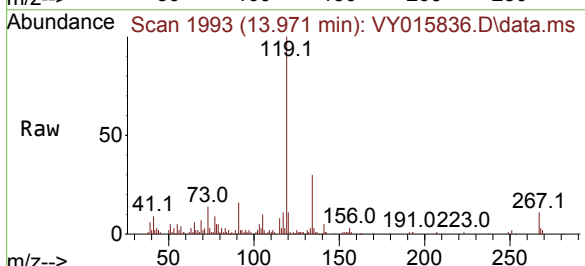
Acq: 04 Oct 2023 18:36

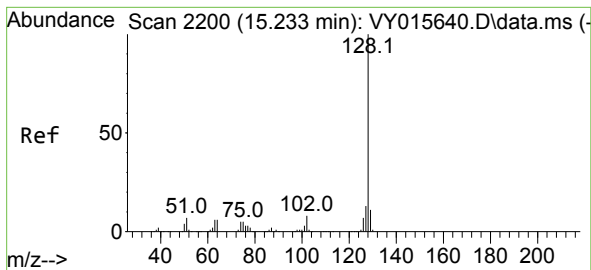
Tgt Ion:117 Resp: 2816

Ion Ratio Lower Upper

117 100

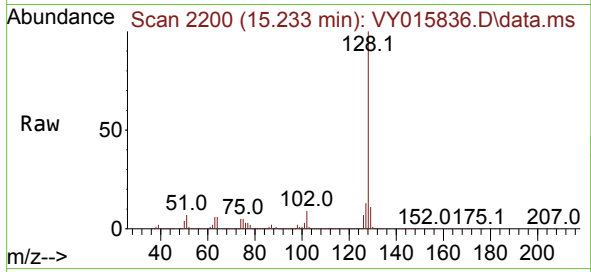
201 0.0 41.6 124.8#





#95
Naphthalene
Concen: 197.806 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015836.D
Acq: 04 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 2166671
Ion Ratio Lower Upper
128 100
127 12.8 10.8 16.2
129 11.1 8.6 13.0

