

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014340.D
 Acq On : 21 Jun 2023 16:55
 Operator : KP/MD
 Sample : 03357-04
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-SCAN-01-G

Quant Time: Jun 22 01:57:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

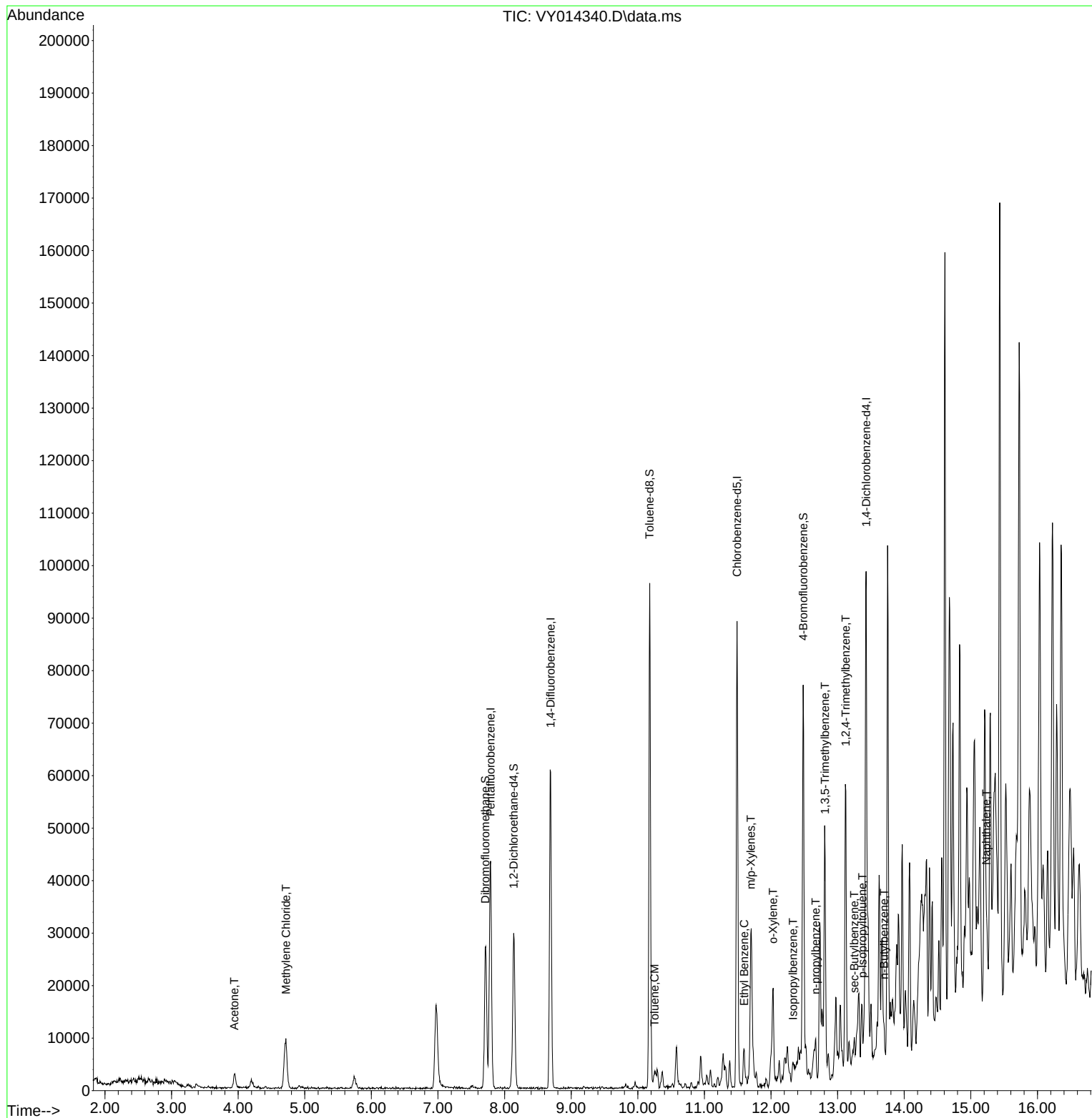
Internal Standards						
1) Pentafluorobenzene	7.789	168	35102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	51690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	47516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	22312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	23757	48.603	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.200%		
35) Dibromofluoromethane	7.710	113	18409	50.219	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.440%		
50) Toluene-d8	10.179	98	60623	44.235	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.480%		
62) 4-Bromofluorobenzene	12.483	95	19542	40.141	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.280%		
Target Compounds					Qvalue	
16) Acetone	3.942	43	4612	31.302	ug/l	95
20) Methylene Chloride	4.716	84	6628	11.317	ug/l #	90
52) Toluene	10.252	92	1162	1.103	ug/l #	74
67) Ethyl Benzene	11.599	91	4816	2.410	ug/l	96
68) m/p-Xylenes	11.697	106	7546	9.817	ug/l	97
69) o-Xylene	12.032	106	4534	6.239	ug/l	94
73) Isopropylbenzene	12.331	105	1857	1.091	ug/l	98
78) n-propylbenzene	12.672	91	5562	2.675	ug/l	85
80) 1,3,5-Trimethylbenzene	12.812	105	8517	5.844	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	29272	20.290	ug/l	97
85) sec-Butylbenzene	13.251	105	2830	1.572	ug/l	83
86) p-Isopropyltoluene	13.373	119	2017	1.309	ug/l	89
89) n-Butylbenzene	13.696	91	3066	2.145	ug/l #	72
95) Naphthalene	15.233	128	6638	6.729	ug/l #	87

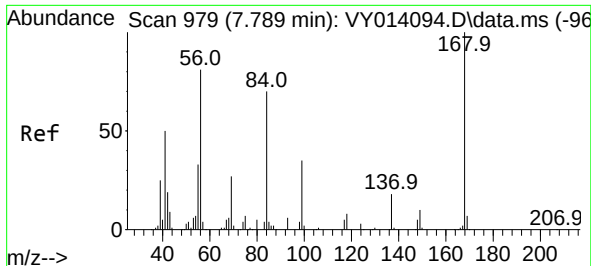
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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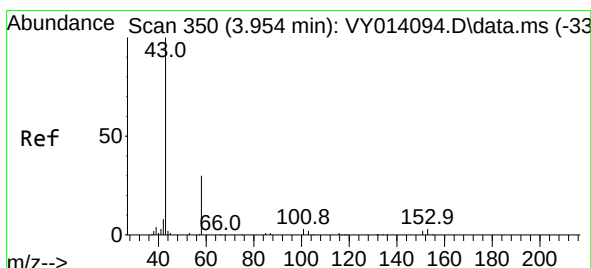
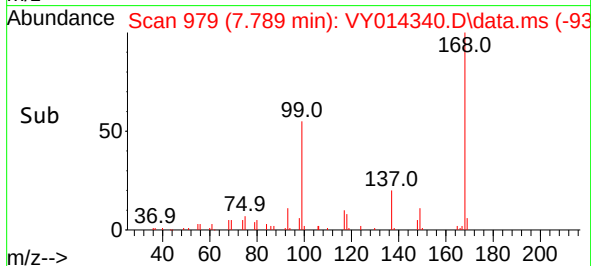
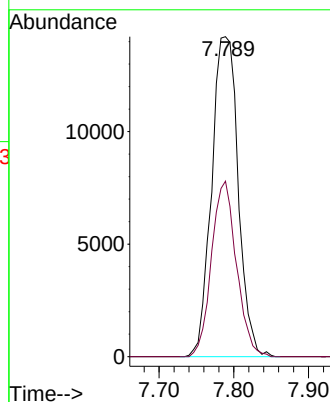
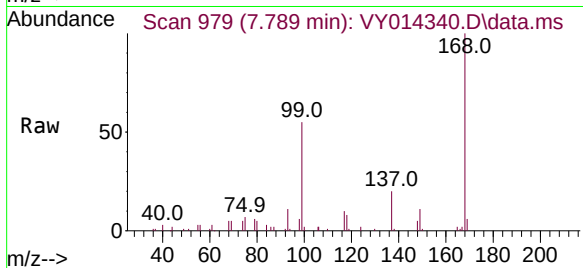




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

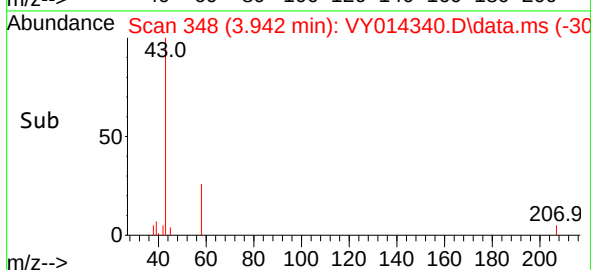
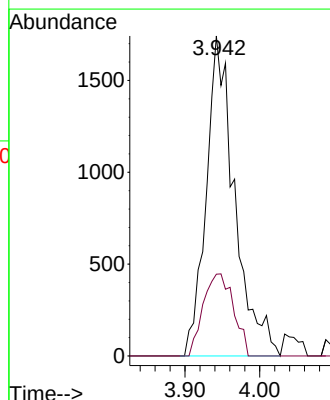
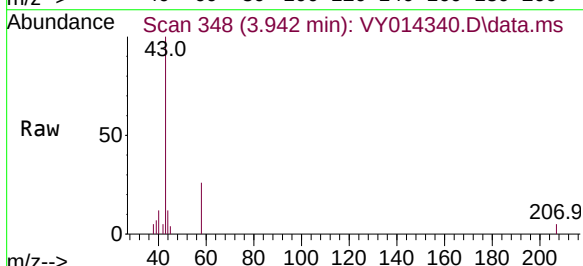
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-01-G

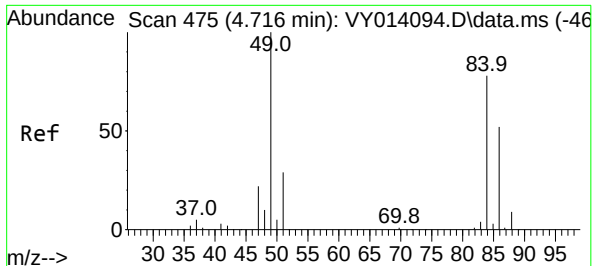
Tgt Ion:168 Resp: 35102
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#16
Acetone
Concen: 31.302 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Tgt Ion: 43 Resp: 4612
Ion Ratio Lower Upper
43 100
58 25.5 22.7 34.1

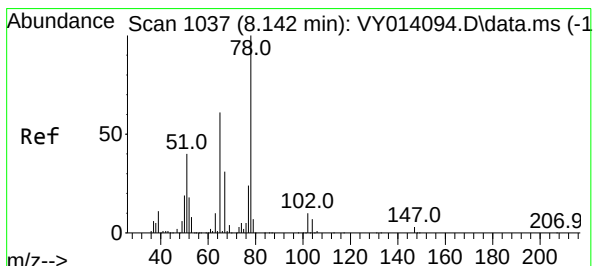
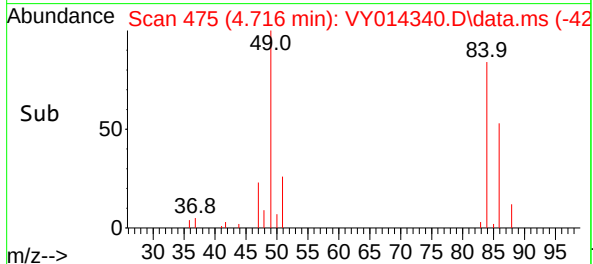
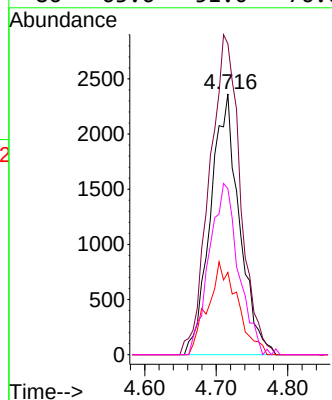
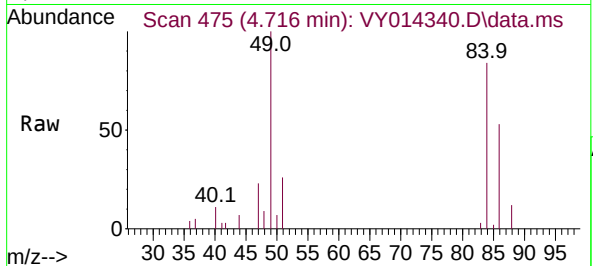




#20
Methylene Chloride
Concen: 11.317 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

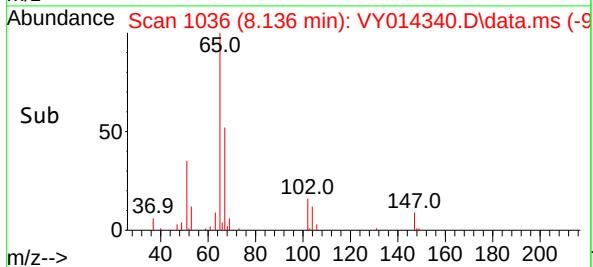
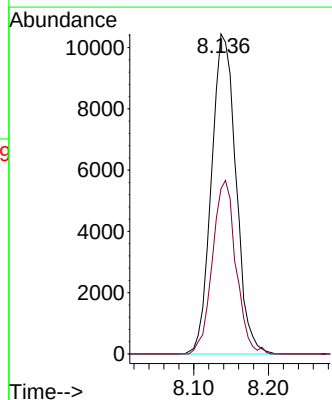
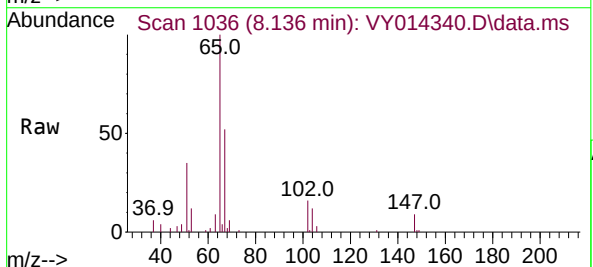
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-01-G

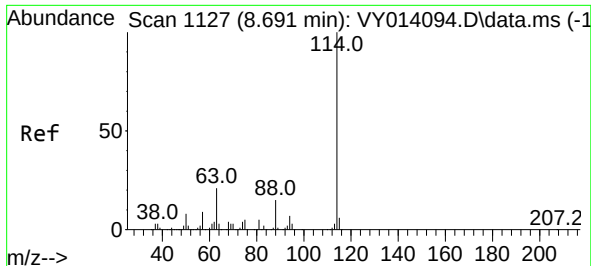
Tgt Ion:	84	Resp:	6628
Ion	Ratio	Lower	Upper
84	100		
49	119.2	106.9	160.3
51	31.5	33.2	49.8#
86	63.6	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 48.603 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Tgt Ion:	65	Resp:	23757
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

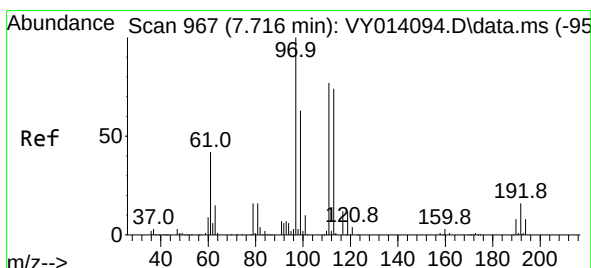
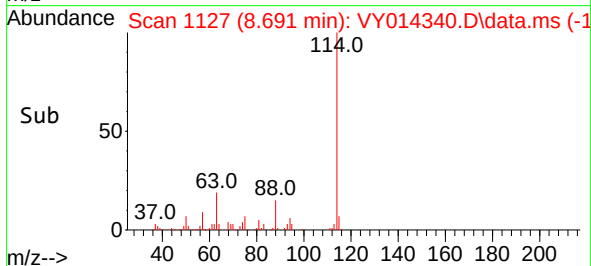
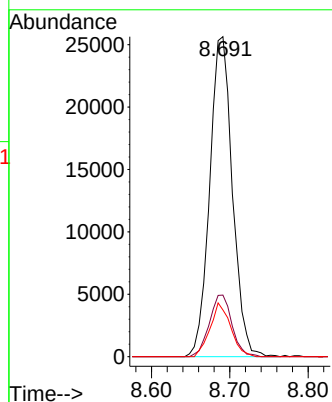
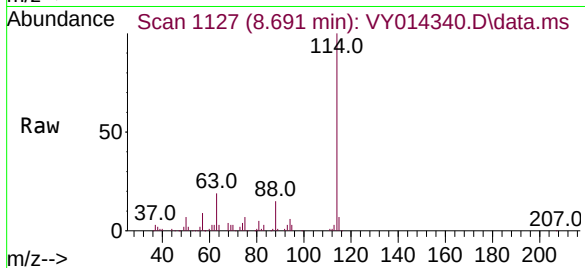
Instrument :

MSVOA_Y

ClientSampleId :

WC-SCAN-01-G

Tgt Ion:114	Resp:	51690
Ion Ratio	Lower	Upper
114	100	
63	19.3	0.0 42.4
88	14.6	0.0 30.6



#35

Dibromofluoromethane

Concen: 50.219 ug/l

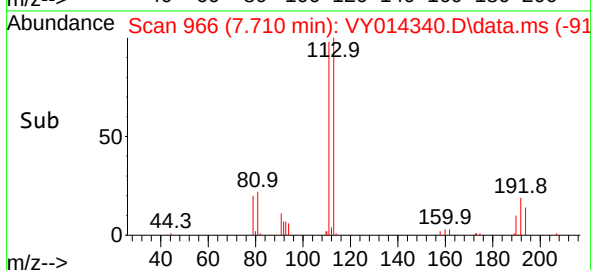
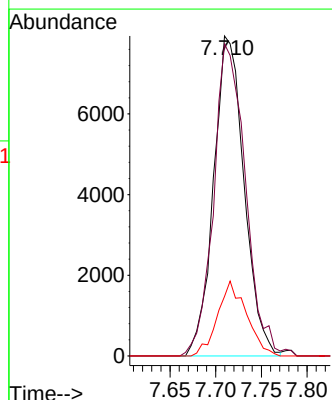
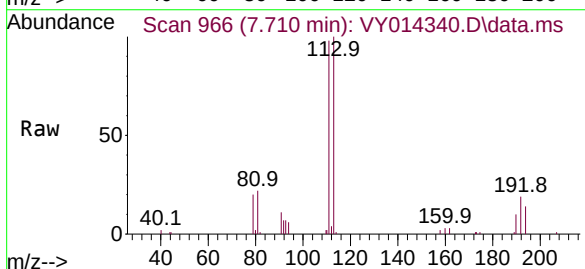
RT: 7.710 min Scan# 966

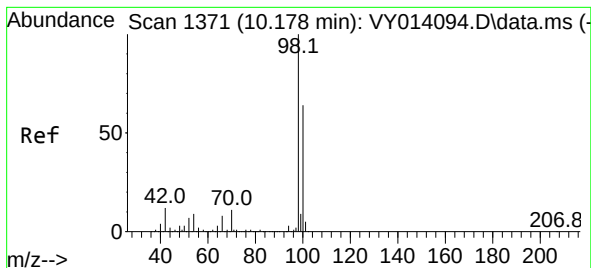
Delta R.T. -0.006 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

Tgt Ion:113	Resp:	18409
Ion Ratio	Lower	Upper
113	100	
111	102.1	81.3 121.9
192	22.3	16.9 25.3





#50

Toluene-d8

Concen: 44.235 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

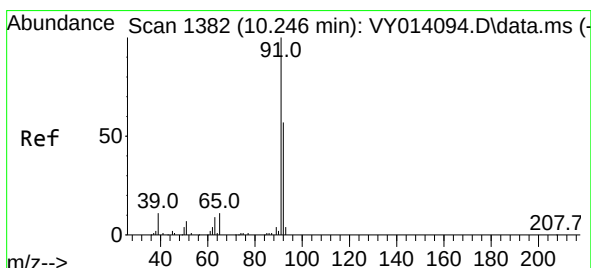
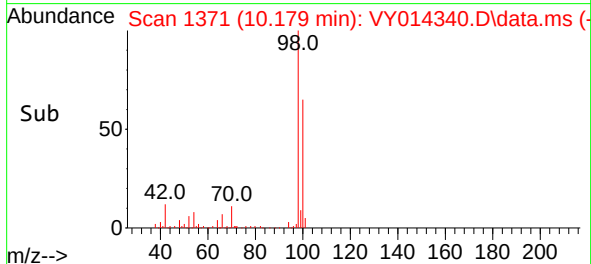
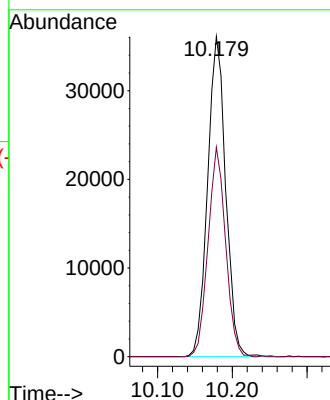
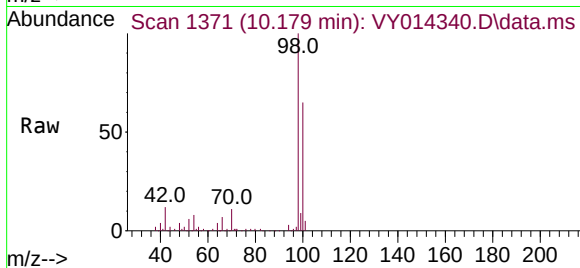
WC-SCAN-01-G

Tgt Ion: 98 Resp: 60623

Ion Ratio Lower Upper

98 100

100 63.4 50.1 75.1



#52

Toluene

Concen: 1.103 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY014340.D

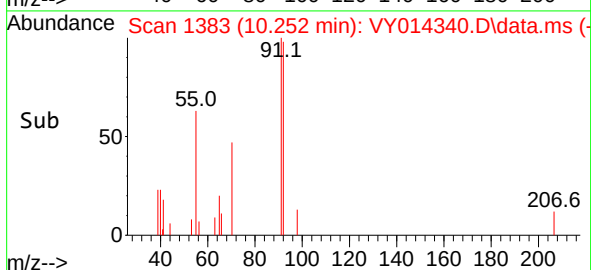
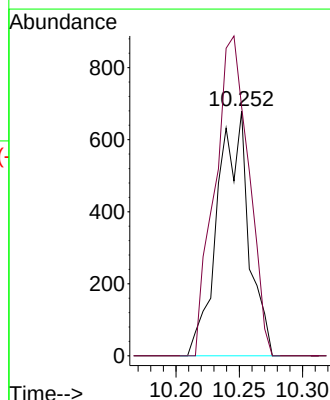
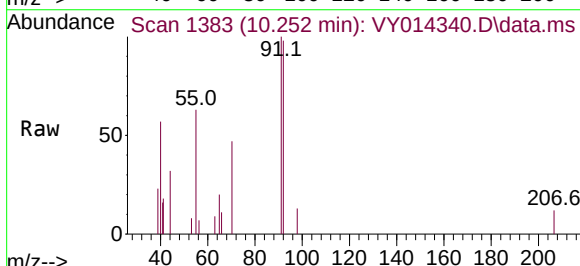
Acq: 21 Jun 2023 16:55

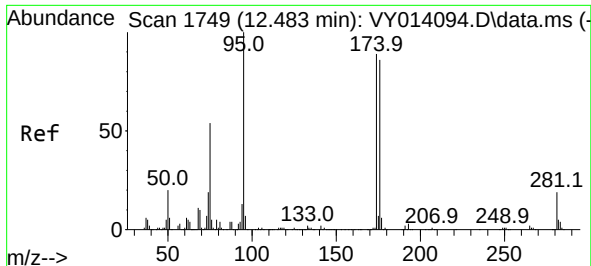
Tgt Ion: 92 Resp: 1162

Ion Ratio Lower Upper

92 100

91 142.3 143.8 215.6#

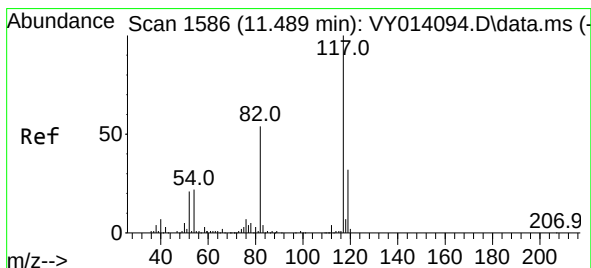
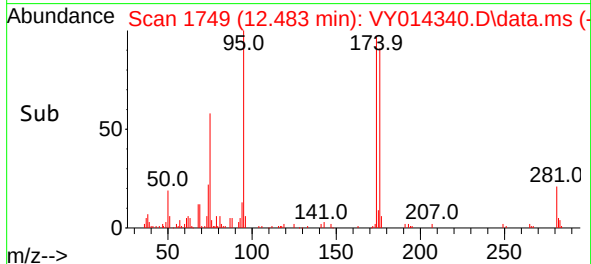
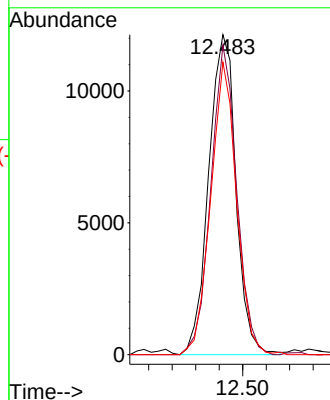
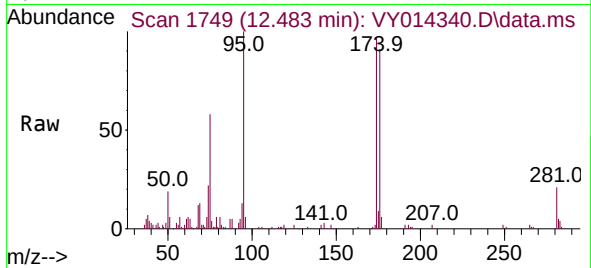




#62
4-Bromofluorobenzene
Concen: 40.141 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

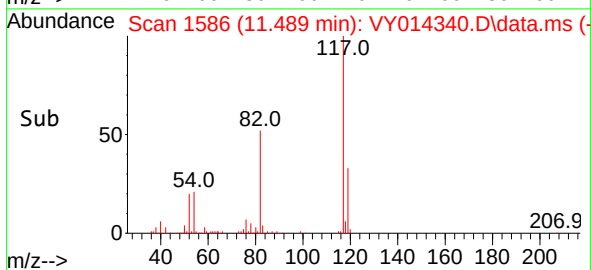
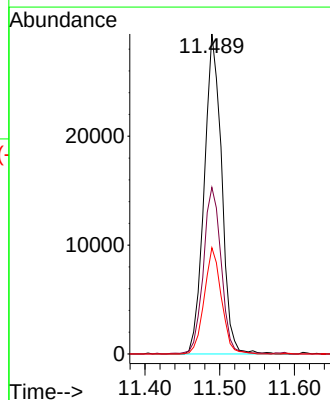
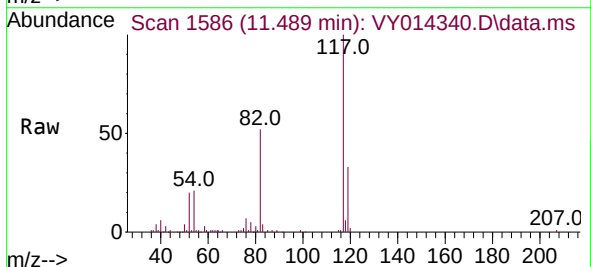
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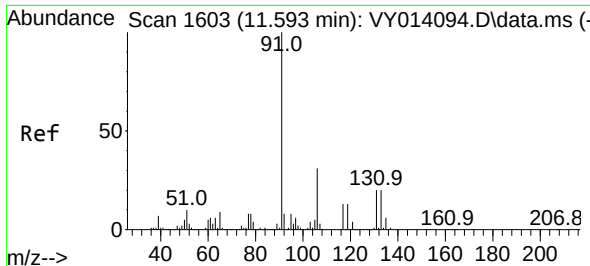
Tgt Ion: 95 Resp: 19542
Ion Ratio Lower Upper
95 100
174 91.8 0.0 178.2
176 86.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Tgt Ion: 117 Resp: 47516
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 33.2 26.3 39.5





#67

Ethyl Benzene

Concen: 2.410 ug/l

RT: 11.599 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

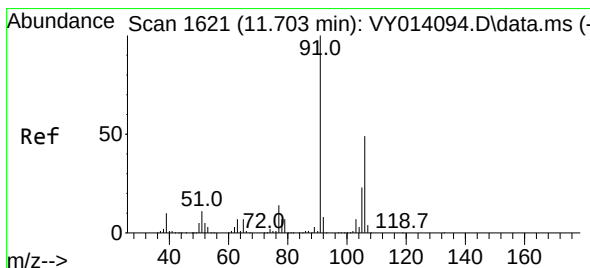
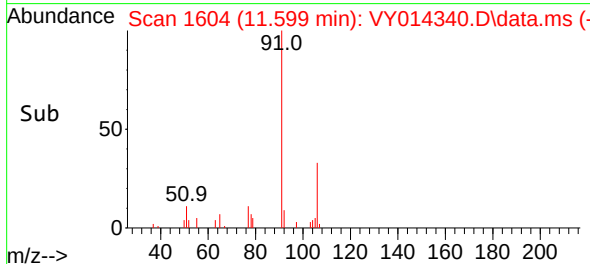
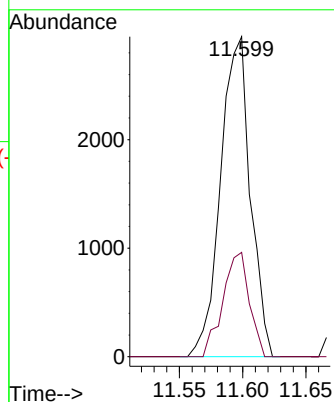
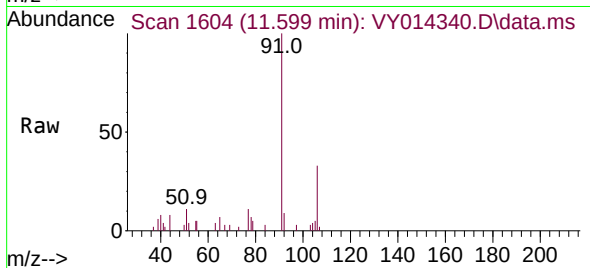
WC-SCAN-01-G

Tgt Ion: 91 Resp: 4816

Ion Ratio Lower Upper

91 100

106 32.6 24.6 36.8



#68

m/p-Xylenes

Concen: 9.817 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY014340.D

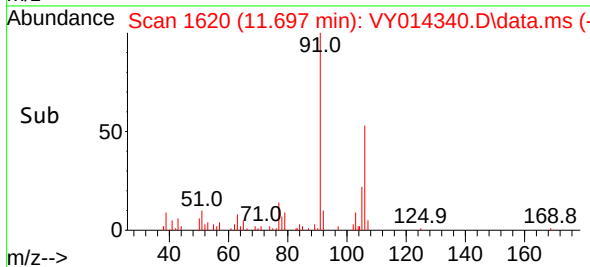
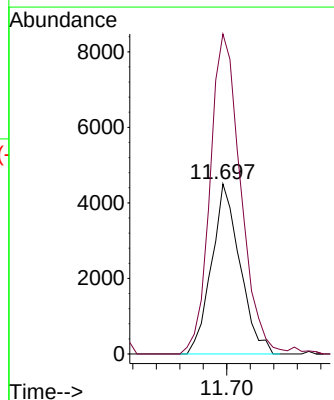
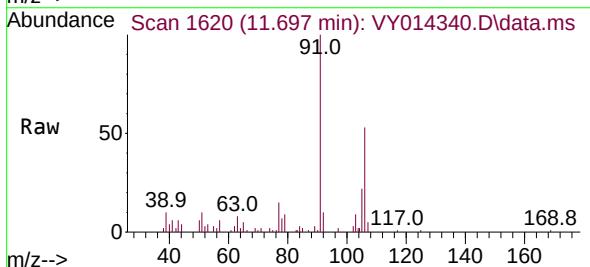
Acq: 21 Jun 2023 16:55

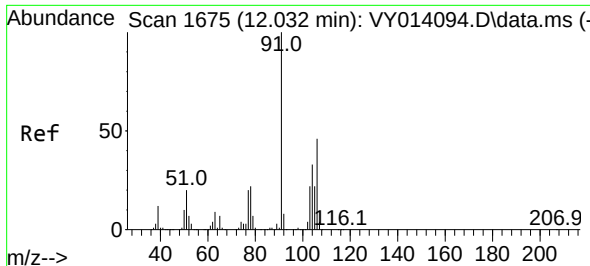
Tgt Ion:106 Resp: 7546

Ion Ratio Lower Upper

106 100

91 202.6 166.1 249.1

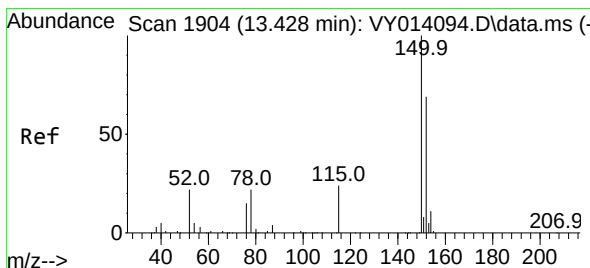
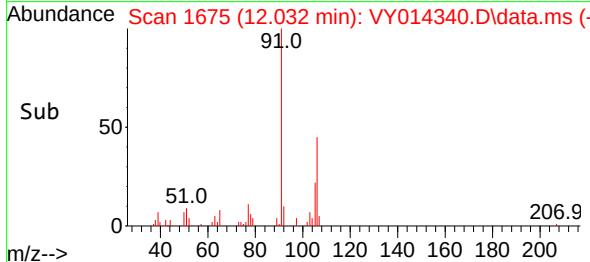
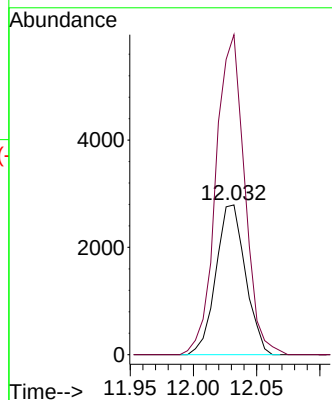
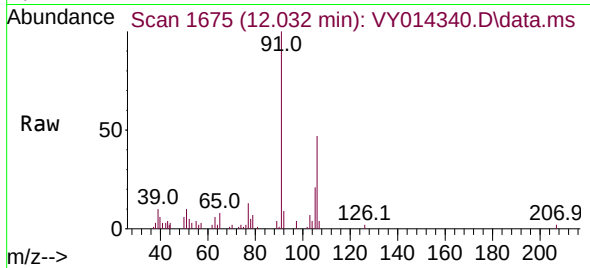




#69
o-Xylene
Concen: 6.239 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

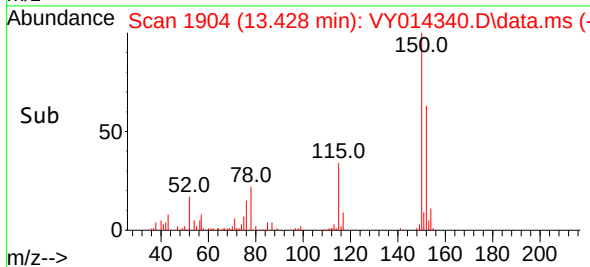
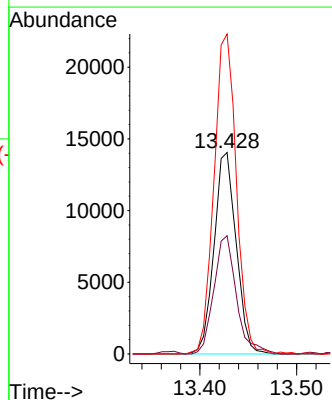
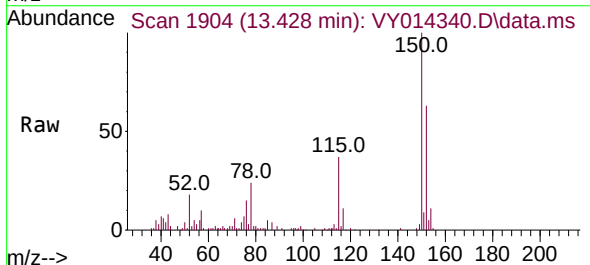
Instrument :
MSVOA_Y
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WC-SCAN-01-G

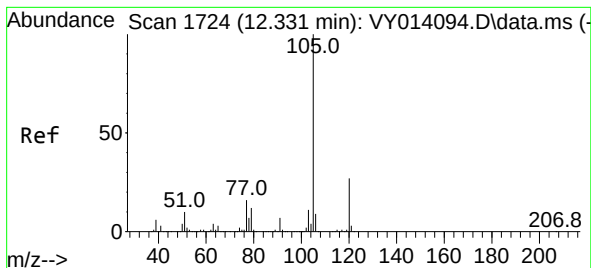
Tgt Ion:106 Resp: 4534
Ion Ratio Lower Upper
106 100
91 207.4 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Tgt Ion:152 Resp: 22312
Ion Ratio Lower Upper
152 100
115 59.9 28.8 86.5
150 160.0 0.0 348.8





#73

Isopropylbenzene

Concen: 1.091 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

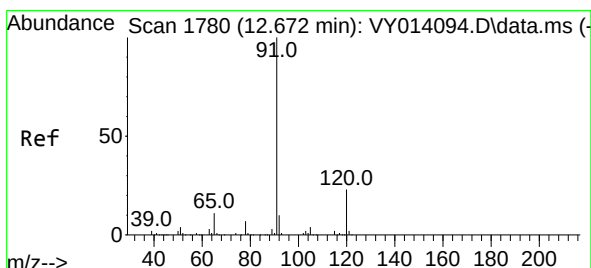
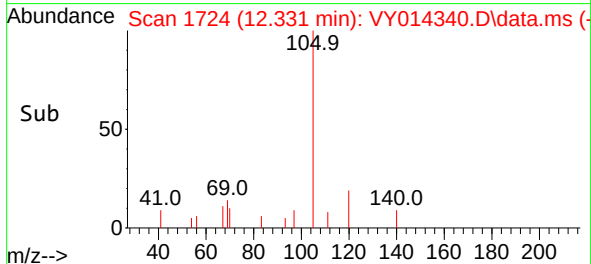
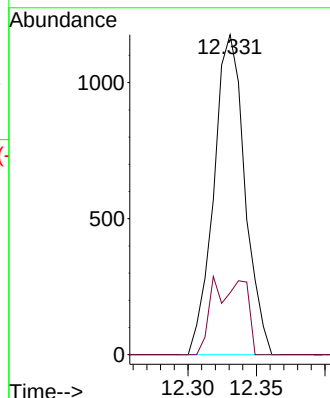
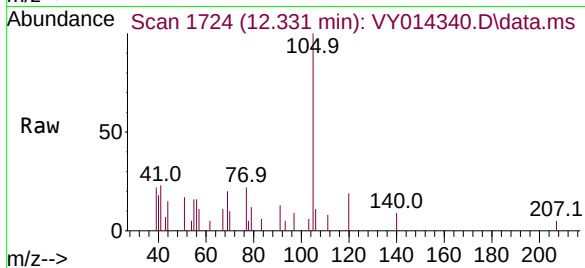
WC-SCAN-01-G

Tgt Ion:105 Resp: 1857

Ion Ratio Lower Upper

105 100

120 25.8 13.3 39.9



#78

n-propylbenzene

Concen: 2.675 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY014340.D

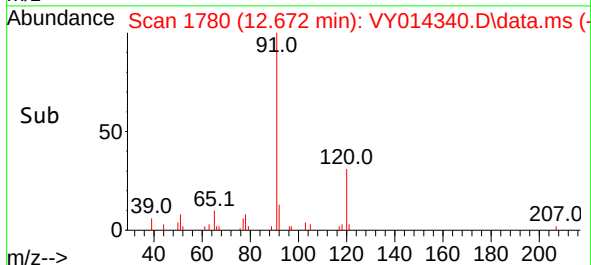
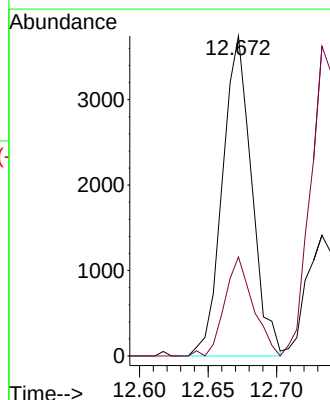
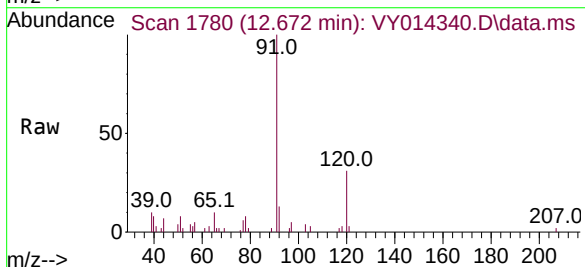
Acq: 21 Jun 2023 16:55

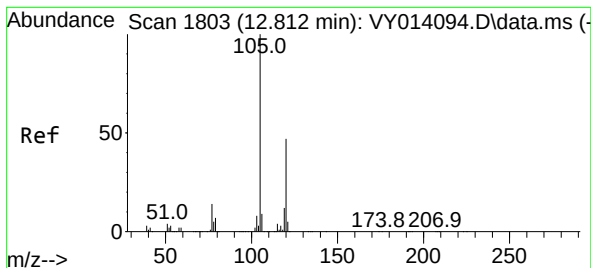
Tgt Ion: 91 Resp: 5562

Ion Ratio Lower Upper

91 100

120 30.0 11.5 34.4

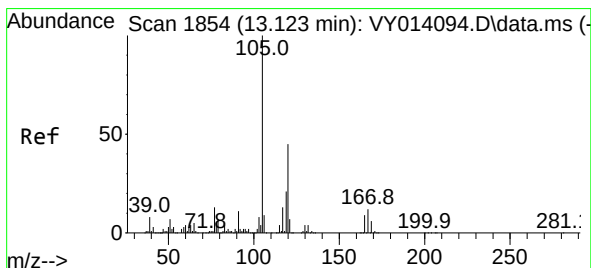
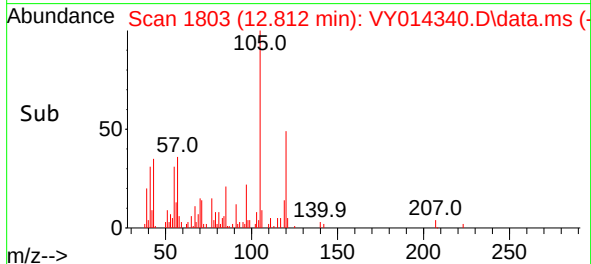
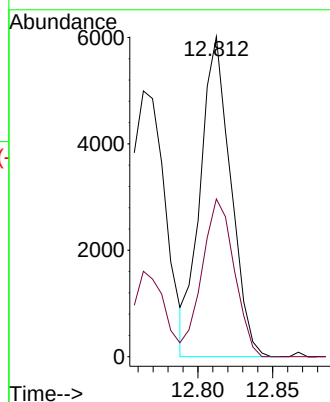
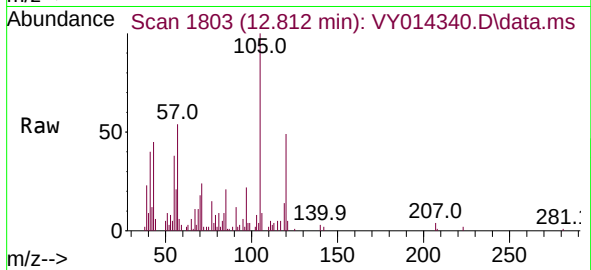




#80
1,3,5-Trimethylbenzene
Concen: 5.844 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

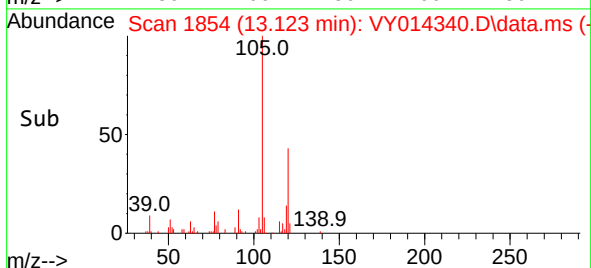
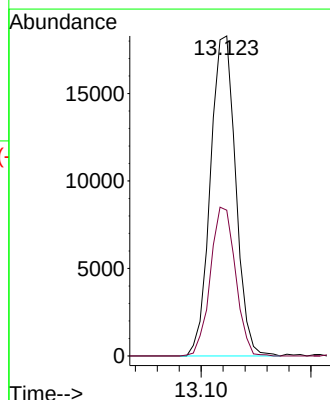
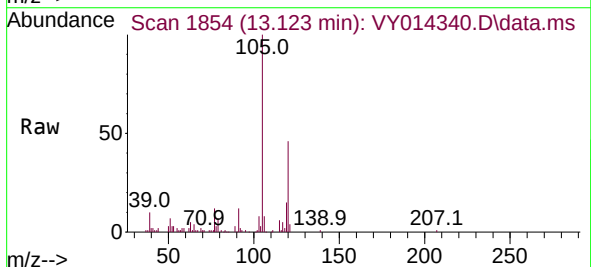
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-01-G

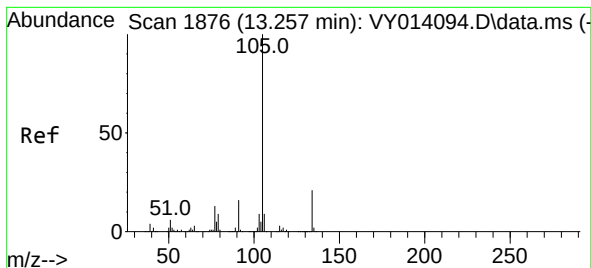
Tgt Ion:105 Resp: 8517
Ion Ratio Lower Upper
105 100
120 51.9 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 20.290 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Tgt Ion:105 Resp: 29272
Ion Ratio Lower Upper
105 100
120 46.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.572 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

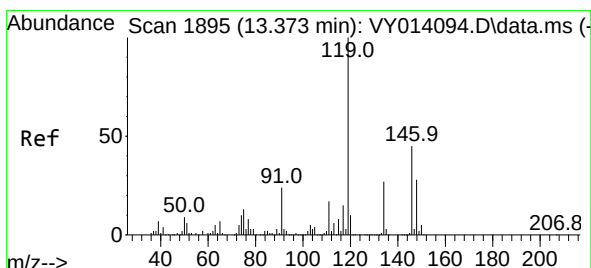
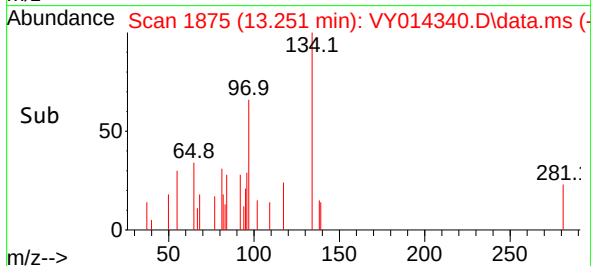
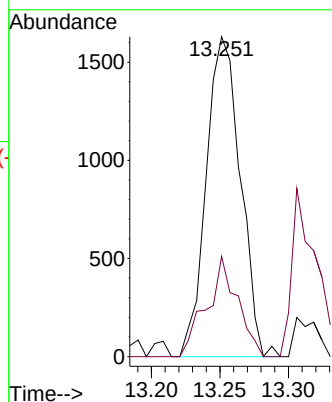
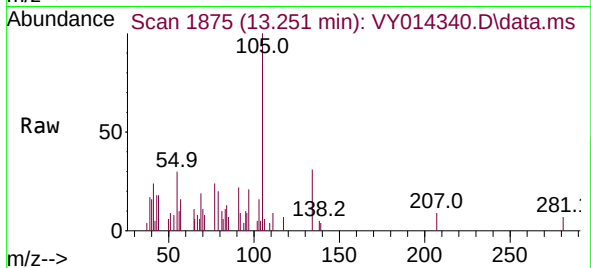
WC-SCAN-01-G

Tgt Ion:105 Resp: 2830

Ion Ratio Lower Upper

105 100

134 28.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 1.309 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY014340.D

Acq: 21 Jun 2023 16:55

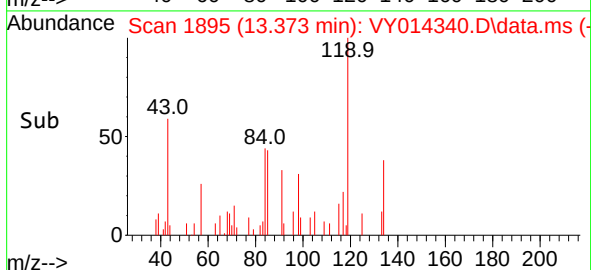
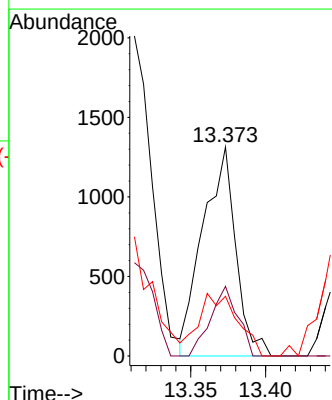
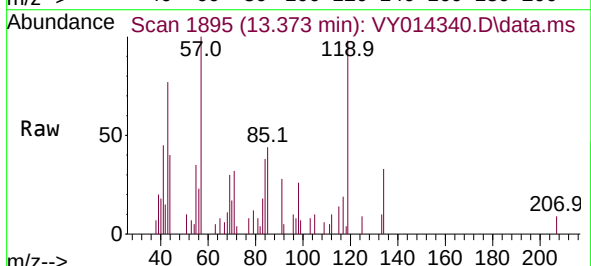
Tgt Ion:119 Resp: 2017

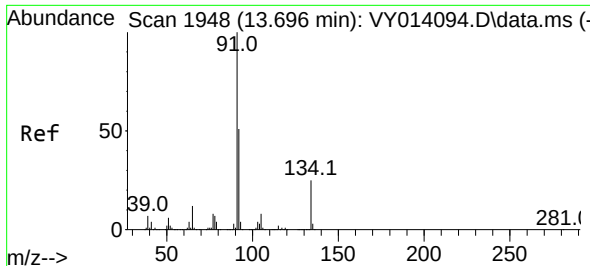
Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.8

91 35.3 12.4 37.4

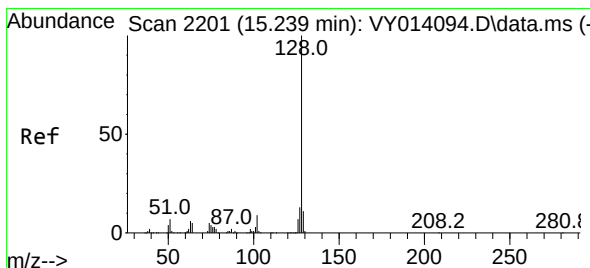
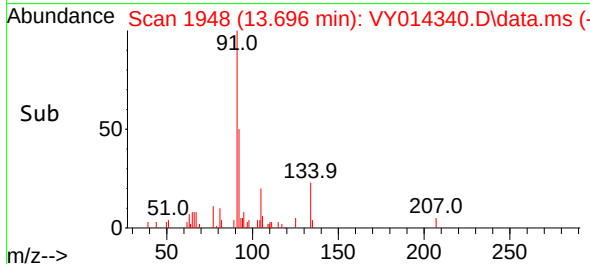
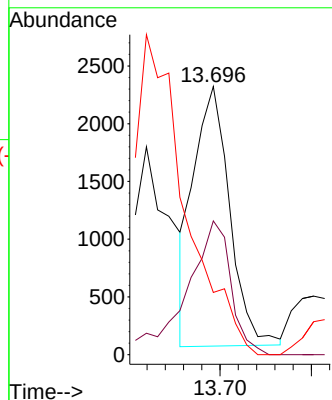
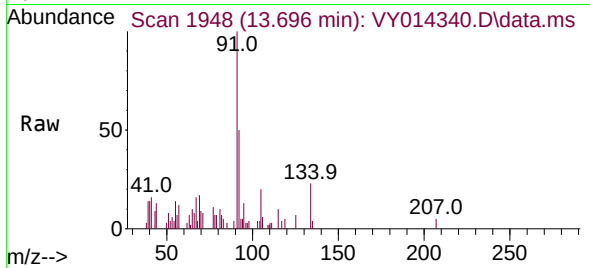




#89
n-Butylbenzene
Concen: 2.145 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-01-G

Tgt Ion: 91 Resp: 3066
Ion Ratio Lower Upper
91 100
92 62.2 25.4 76.0
134 0.0 12.6 37.6#



#95
Naphthalene
Concen: 6.729 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY014340.D
Acq: 21 Jun 2023 16:55

Tgt Ion: 128 Resp: 6638
Ion Ratio Lower Upper
128 100
127 22.9 10.8 16.2#
129 10.5 8.6 13.0

