

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015455.D
 Acq On : 06 Sep 2023 17:38
 Operator : SY/MD
 Sample : 04299-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-7.0-7.5

Quant Time: Sep 06 19:01:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

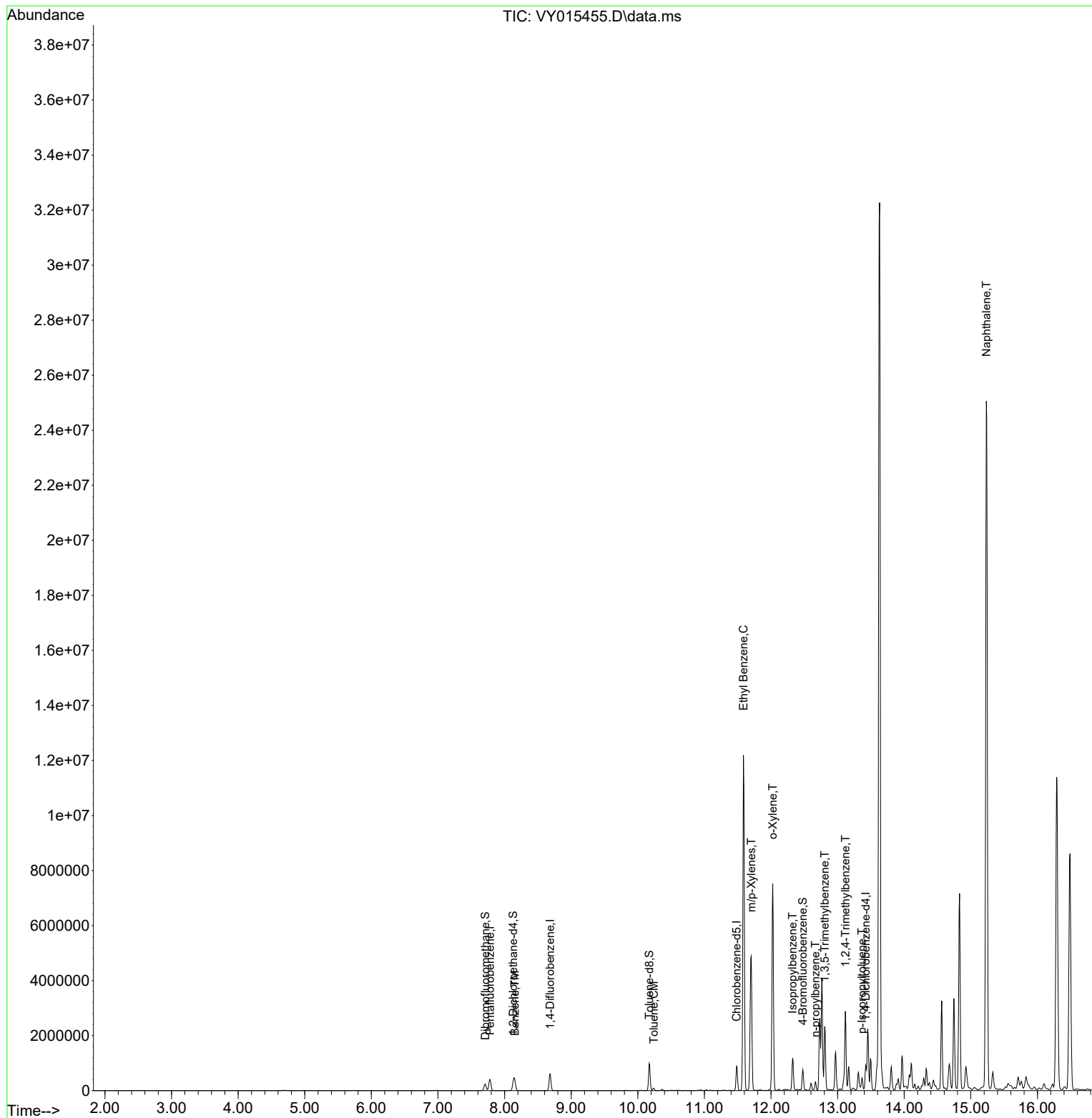
Internal Standards						
1) Pentafluorobenzene	7.783	168	316628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	531805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	474681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	220653	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	210890	62.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.260%	
35) Dibromofluoromethane	7.710	113	167572	54.707	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.420%	
50) Toluene-d8	10.172	98	614349	55.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.760%	
62) 4-Bromofluorobenzene	12.477	95	218053	52.952	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.900%	
Target Compounds						
					Qvalue	
40) Benzene	8.155	78	312715	20.840	ug/l	99
52) Toluene	10.240	92	36942	3.841	ug/l	95
67) Ethyl Benzene	11.587	91	7889754	429.558	ug/l	94
68) m/p-Xylenes	11.703	106	1521484	213.710	ug/l	94
69) o-Xylene	12.026	106	1941735	285.384	ug/l	97
73) Isopropylbenzene	12.325	105	734281	44.303	ug/l	99
78) n-propylbenzene	12.666	91	226465	11.292	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	1128777	81.424	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1461533	106.182	ug/l	97
86) p-Isopropyltoluene	13.367	119	194457	12.811	ug/l	# 76
95) Naphthalene	15.233	128	17659068	1605.078	ug/l	# 88

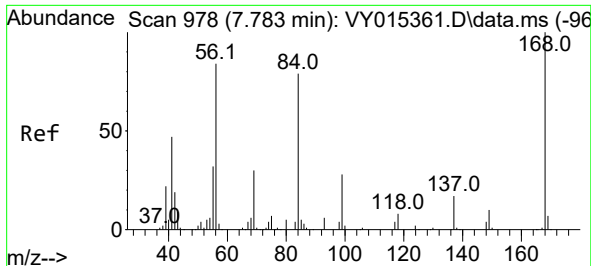
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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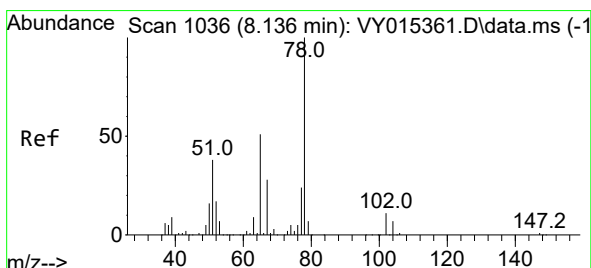
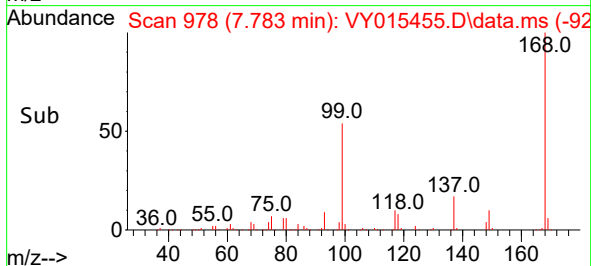
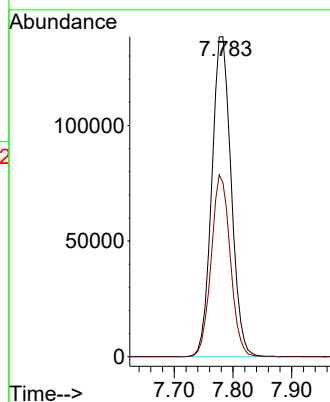
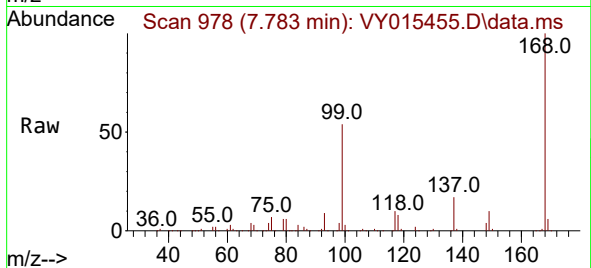




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

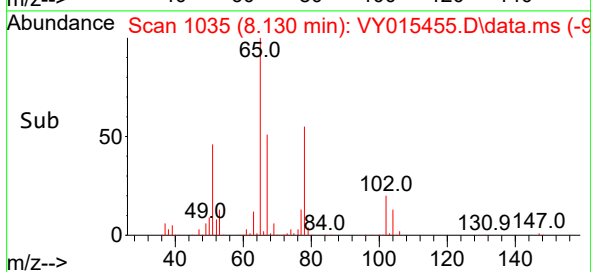
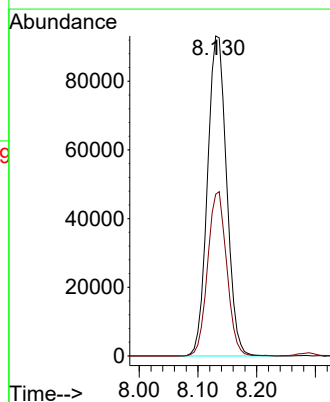
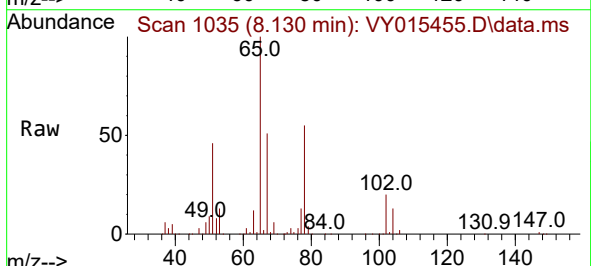
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

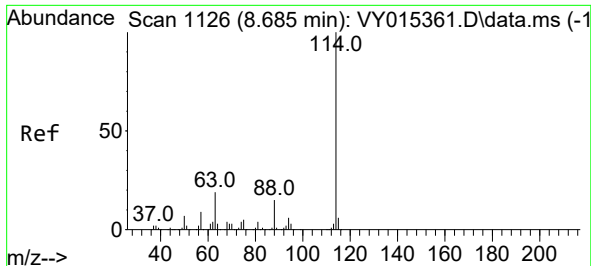
Tgt Ion:168 Resp: 316628
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 62.132 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 65 Resp: 210890
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8

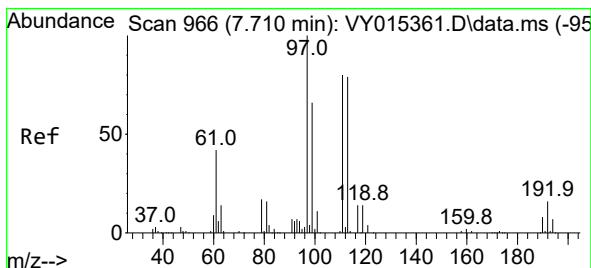
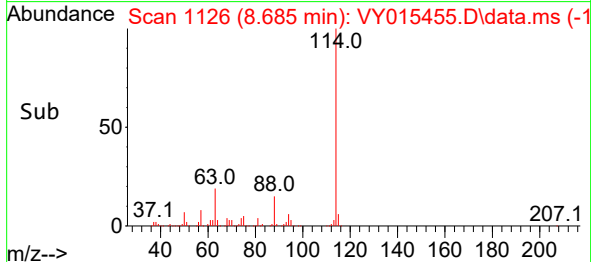
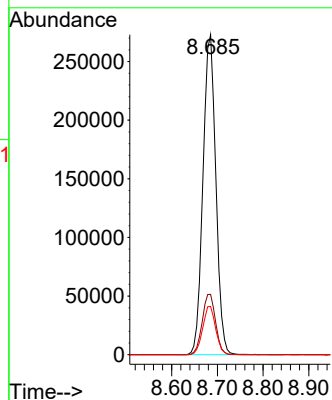
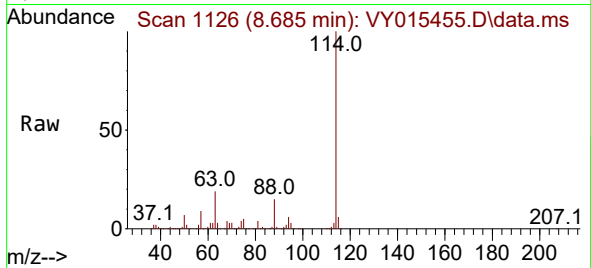




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

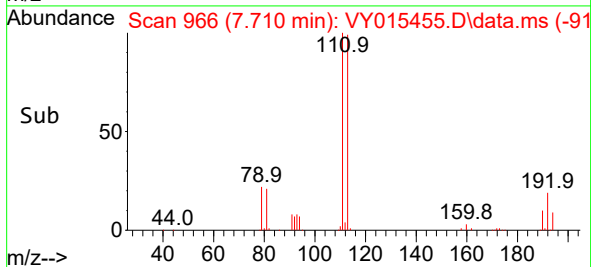
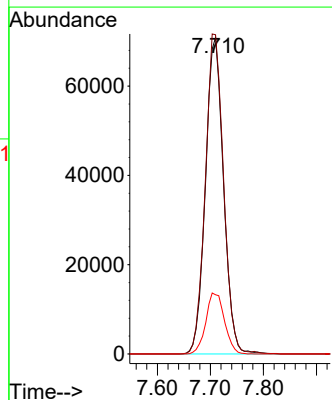
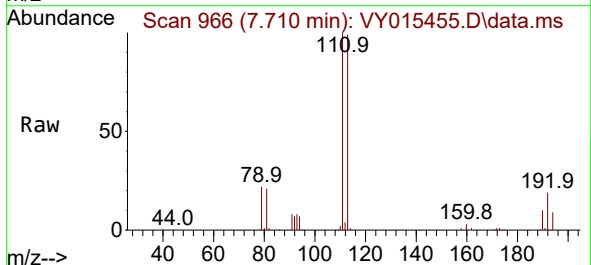
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

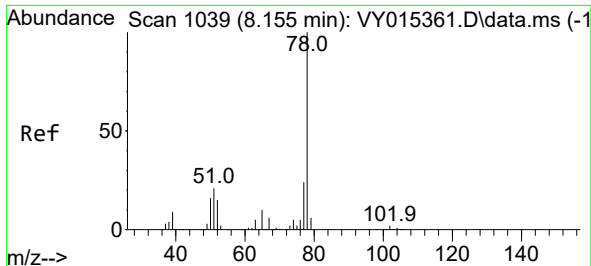
Tgt Ion:114 Resp: 531805
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.707 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:113 Resp: 167572
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.9 16.9 25.3

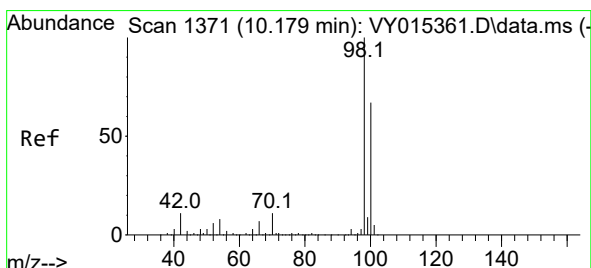
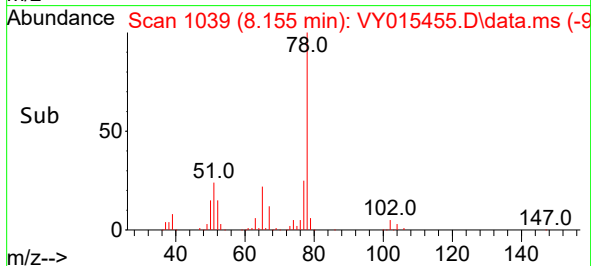
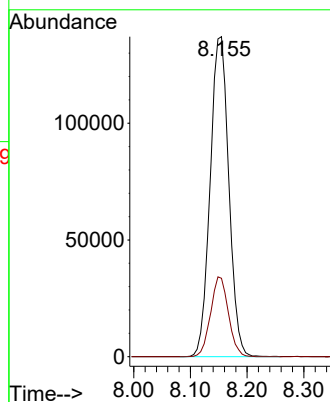
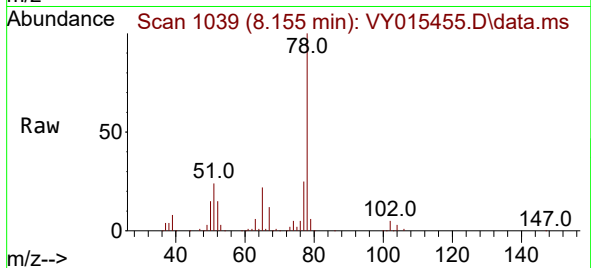




#40
Benzene
Concen: 20.840 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

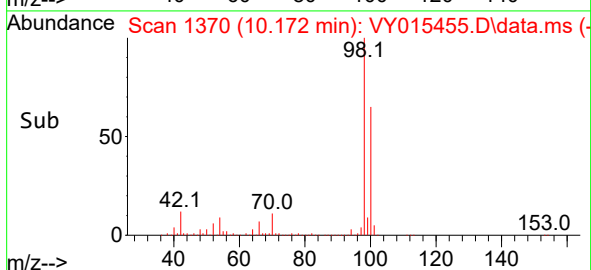
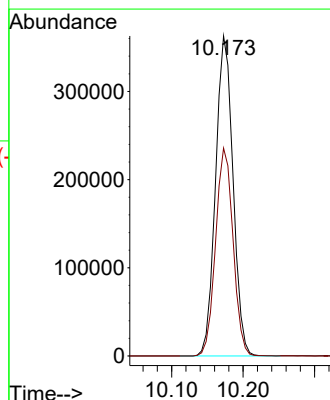
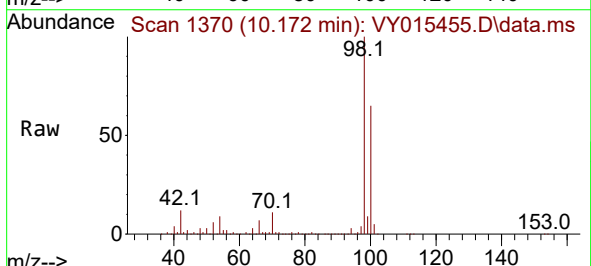
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

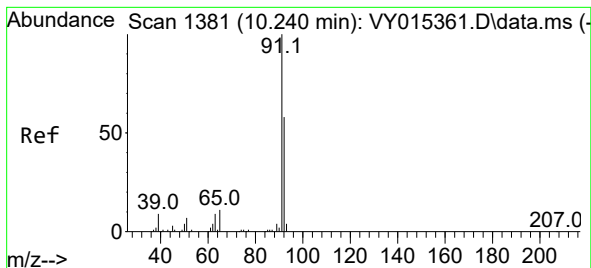
Tgt Ion: 78 Resp: 312715
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



#50
Toluene-d8
Concen: 55.384 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 98 Resp: 614349
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1





#52

Toluene

Concen: 3.841 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

Instrument :

MSVOA_Y

ClientSampleId :

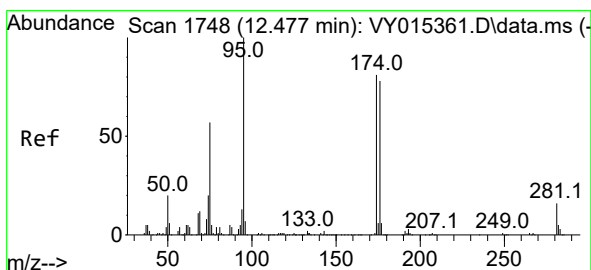
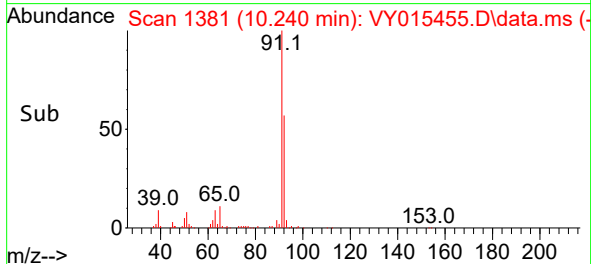
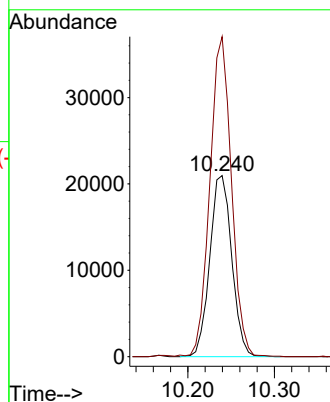
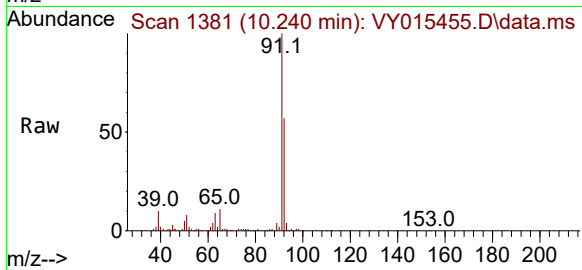
SB-04-7.0-7.5

Tgt Ion: 92 Resp: 36942

Ion Ratio Lower Upper

92 100

91 173.3 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 52.952 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

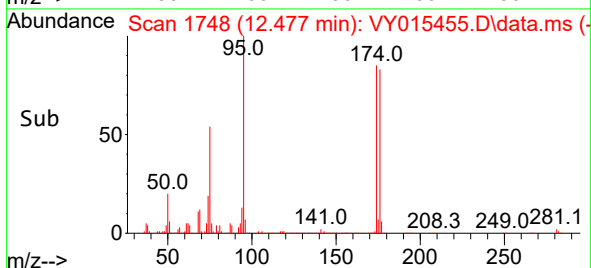
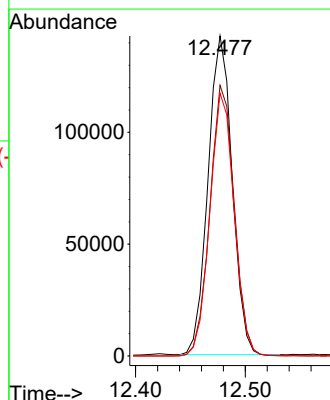
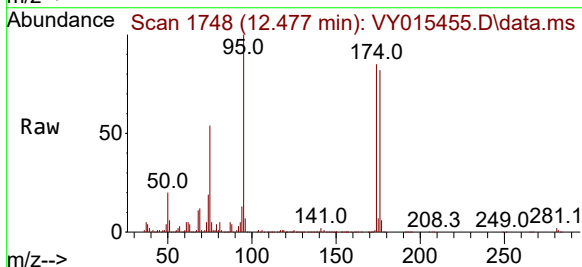
Tgt Ion: 95 Resp: 218053

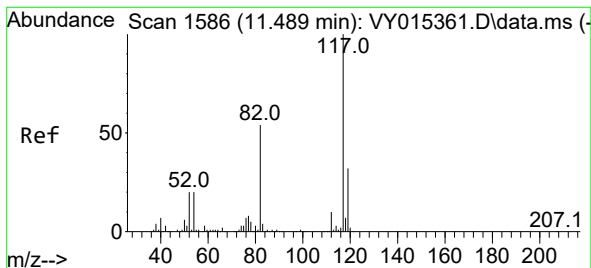
Ion Ratio Lower Upper

95 100

174 85.8 0.0 178.2

176 83.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-7.0-7.5

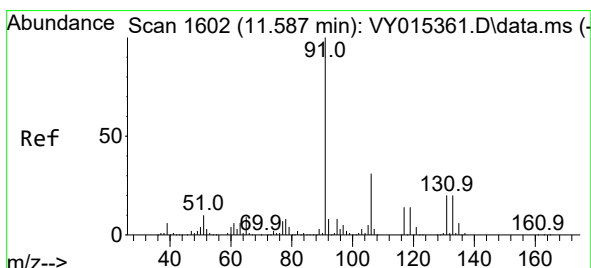
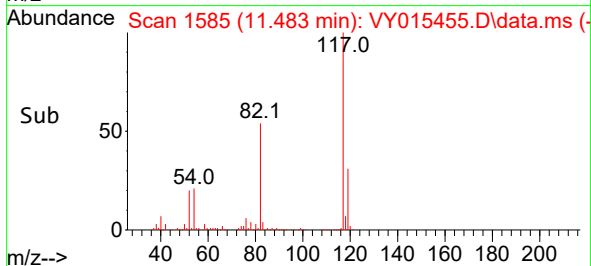
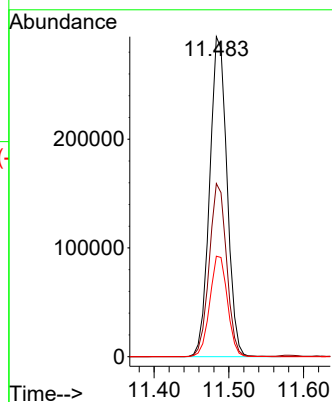
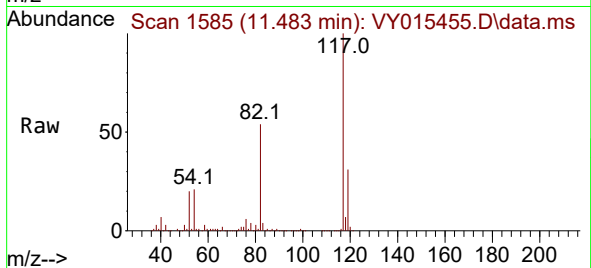
Tgt Ion:117 Resp: 474681

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 31.4 26.3 39.5



#67

Ethyl Benzene

Concen: 429.558 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY015455.D

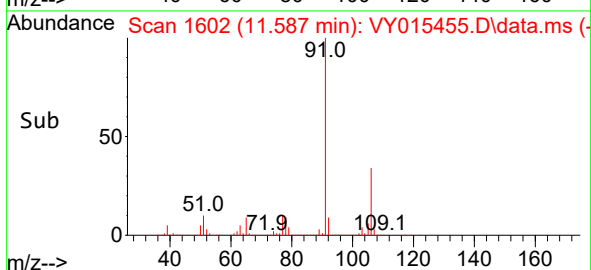
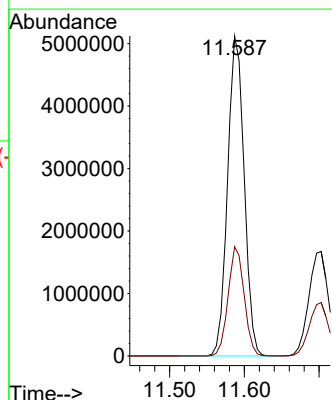
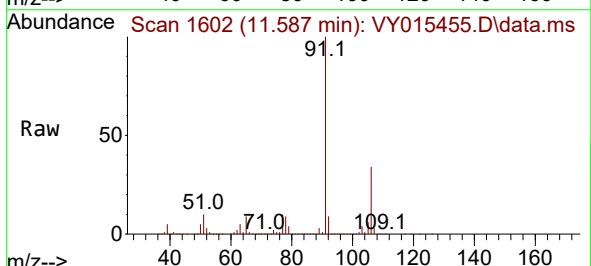
Acq: 06 Sep 2023 17:38

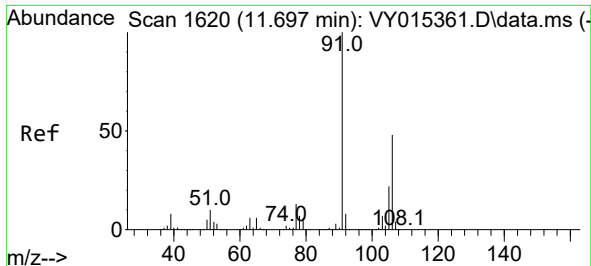
Tgt Ion: 91 Resp: 7889754

Ion Ratio Lower Upper

91 100

106 34.2 24.6 36.8

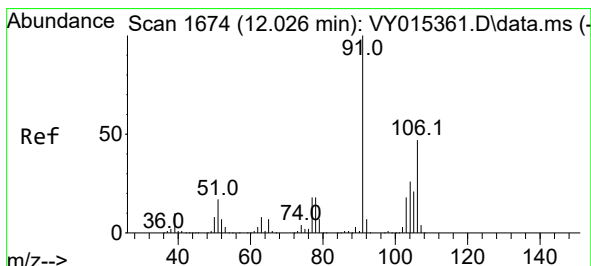
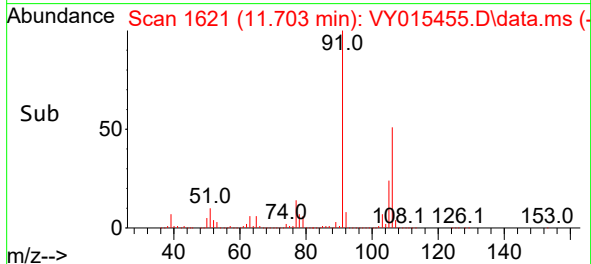
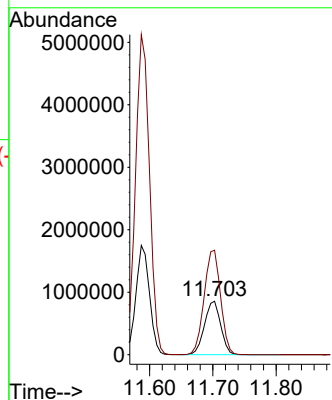
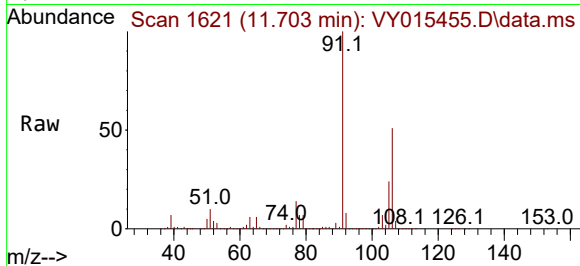




#68
m/p-Xylenes
Concen: 213.710 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

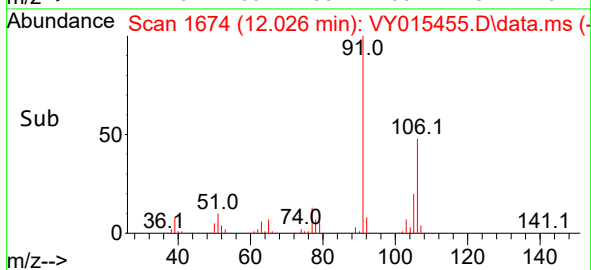
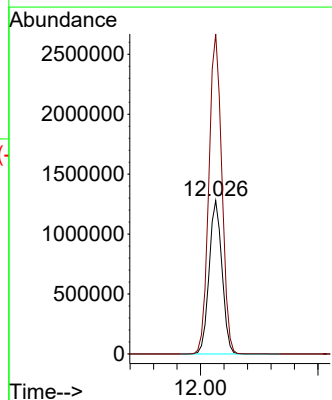
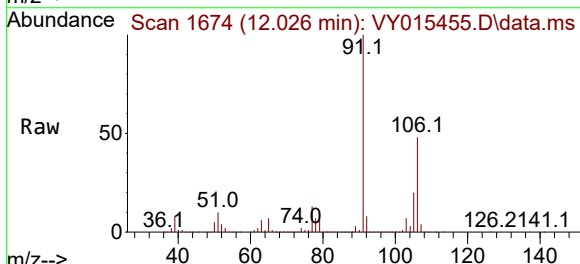
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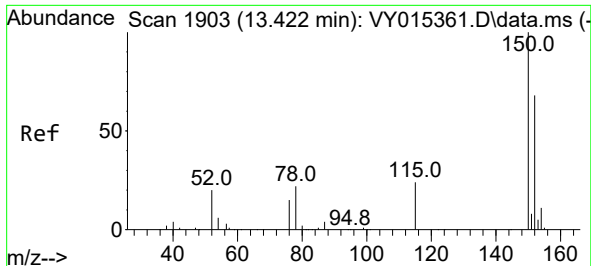
Tgt Ion:106 Resp: 1521484
Ion Ratio Lower Upper
106 100
91 199.0 166.1 249.1



#69
o-Xylene
Concen: 285.384 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:106 Resp: 1941735
Ion Ratio Lower Upper
106 100
91 210.8 108.1 324.3

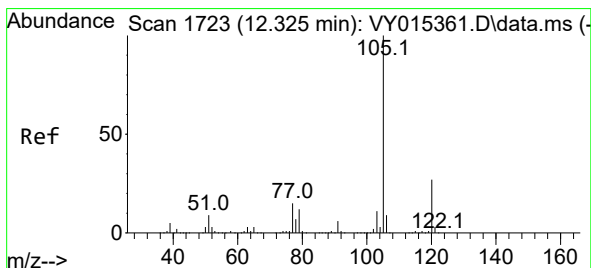
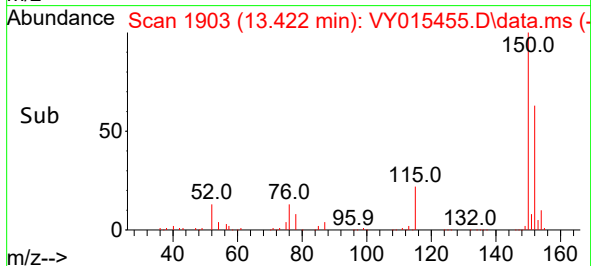
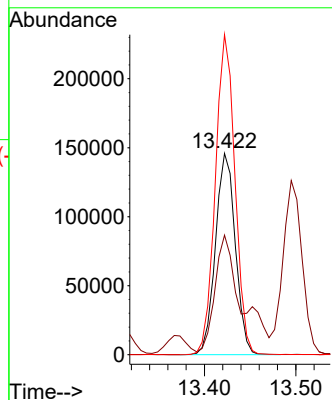
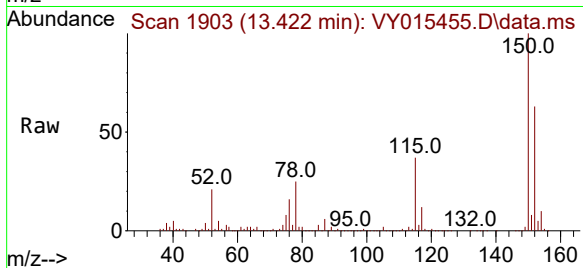




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

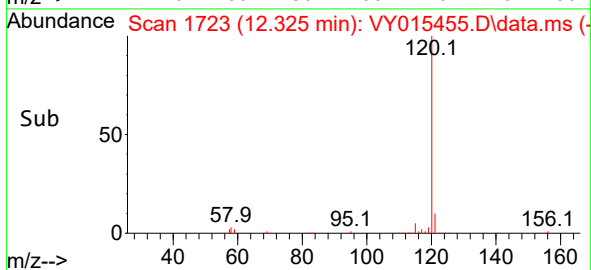
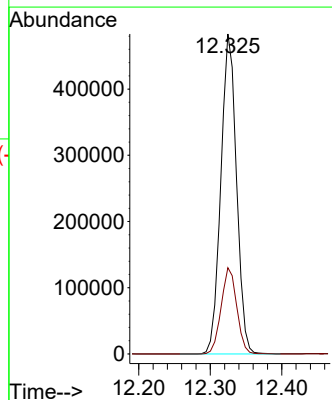
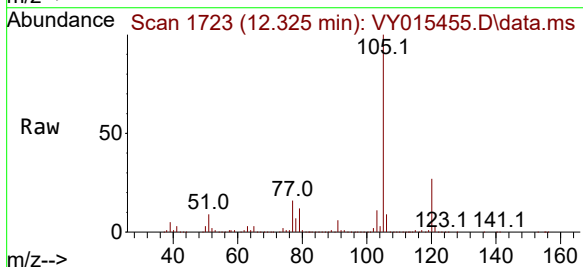
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

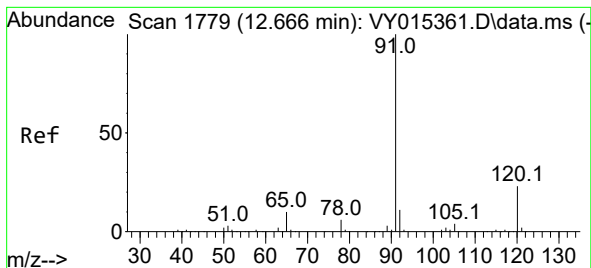
Tgt Ion:152 Resp: 220653
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 156.9 0.0 348.8



#73
Isopropylbenzene
Concen: 44.303 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:105 Resp: 734281
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9





#78

n-propylbenzene

Concen: 11.292 ug/l

RT: 12.666 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

Instrument :

MSVOA_Y

ClientSampleId :

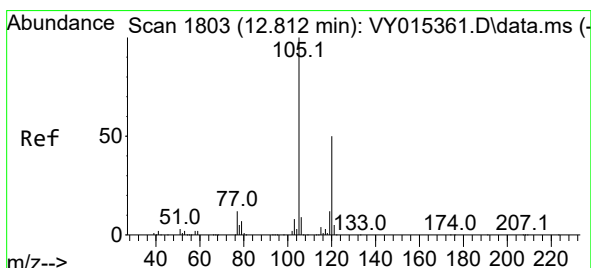
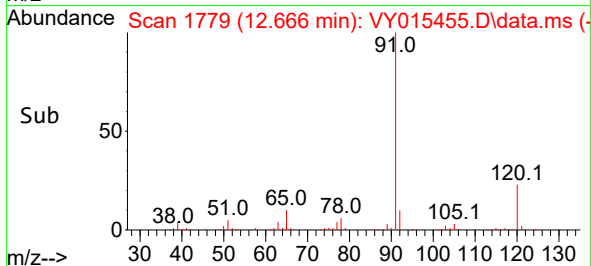
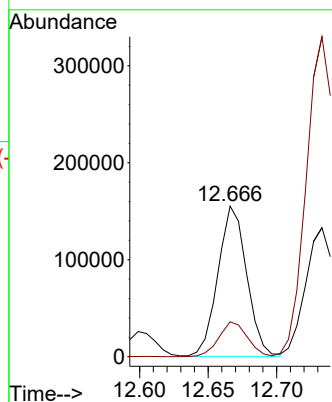
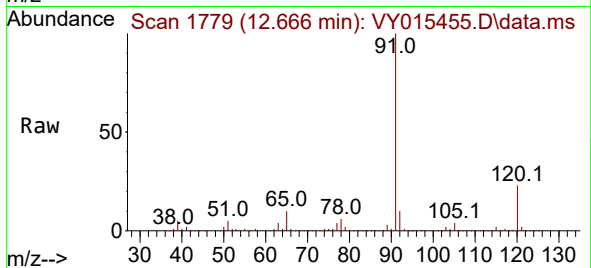
SB-04-7.0-7.5

Tgt Ion: 91 Resp: 226465

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 81.424 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015455.D

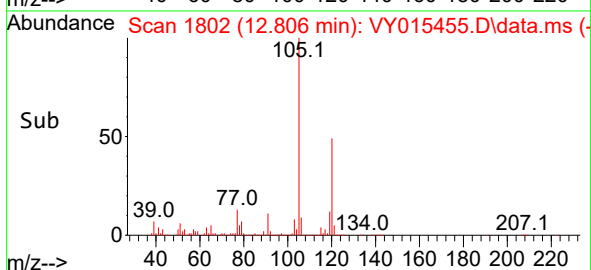
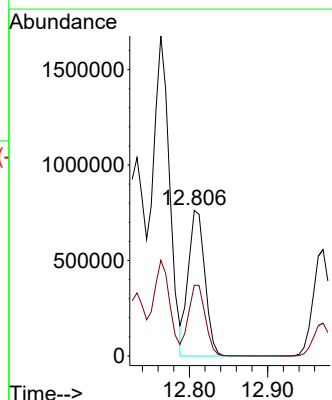
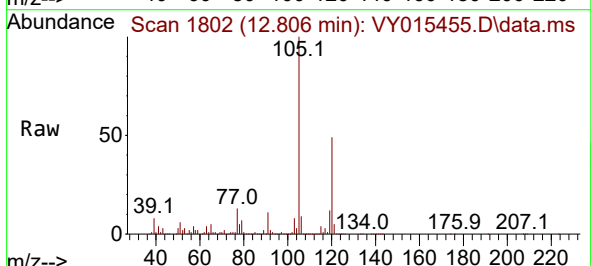
Acq: 06 Sep 2023 17:38

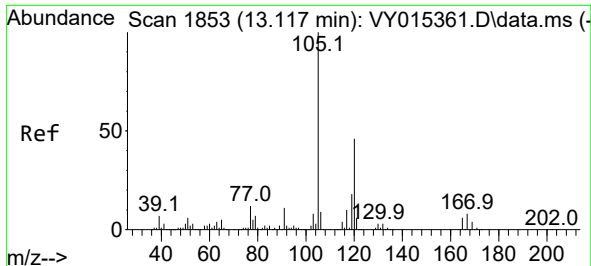
Tgt Ion:105 Resp: 1128777

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7

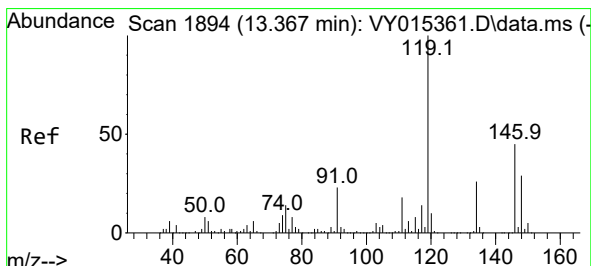
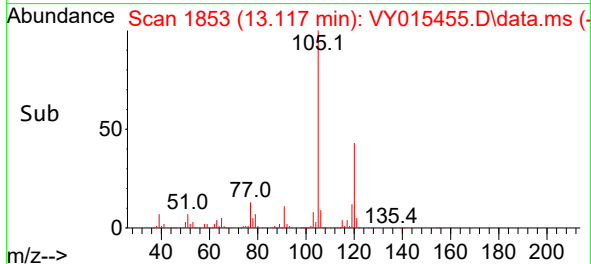
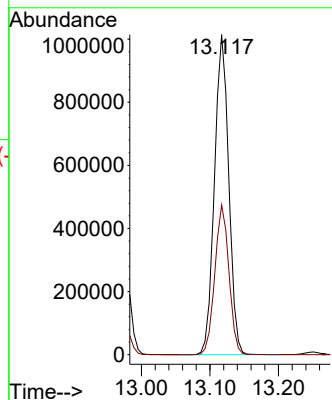
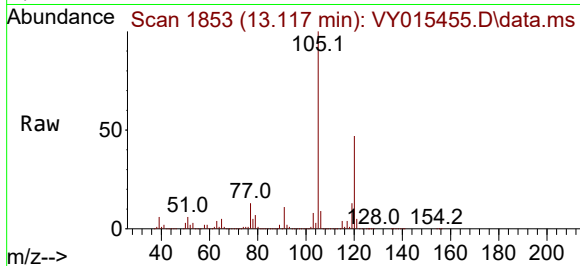




#84
1,2,4-Trimethylbenzene
Concen: 106.182 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

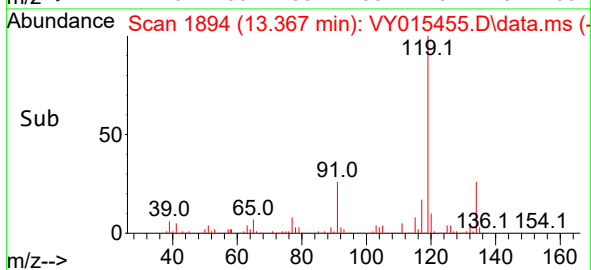
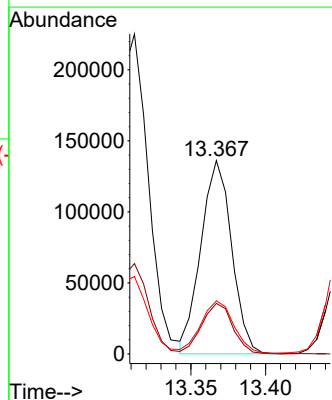
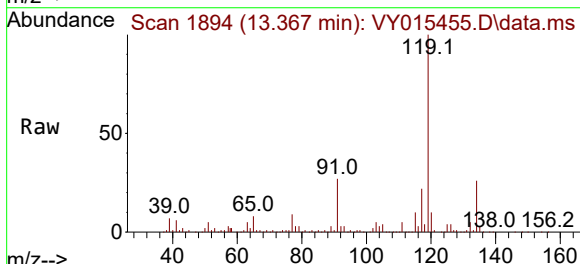
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

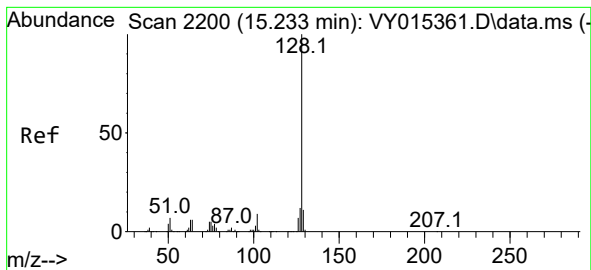
Tgt Ion:105 Resp: 1461533
Ion Ratio Lower Upper
105 100
120 46.4 22.2 66.6



#86
p-Isopropyltoluene
Concen: 12.811 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

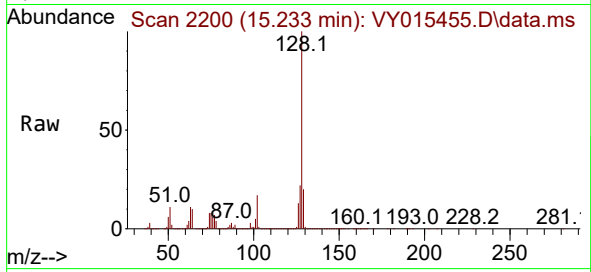
Tgt Ion:119 Resp: 194457
Ion Ratio Lower Upper
119 100
134 26.4 13.3 39.8
91 0.0 12.4 37.4#





#95
Naphthalene
Concen: 1605.078 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5



Tgt Ion:128 Resp:17659068
Ion Ratio Lower Upper
128 100
127 17.7 10.8 16.2#
129 15.6 8.6 13.0#

