

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007962.D
 Acq On : 21 Mar 2022 18:09
 Operator : SY/MD
 Sample : N1974-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-5-11-25-26

Quant Time: Mar 22 03:41:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	233040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	440207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182509	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152628	57.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.880%
35) Dibromofluoromethane	7.722	113	137906	44.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.220%
50) Toluene-d8	10.179	98	545790	59.591	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	119.180%
62) 4-Bromofluorobenzene	12.483	95	192231	43.325	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.660%

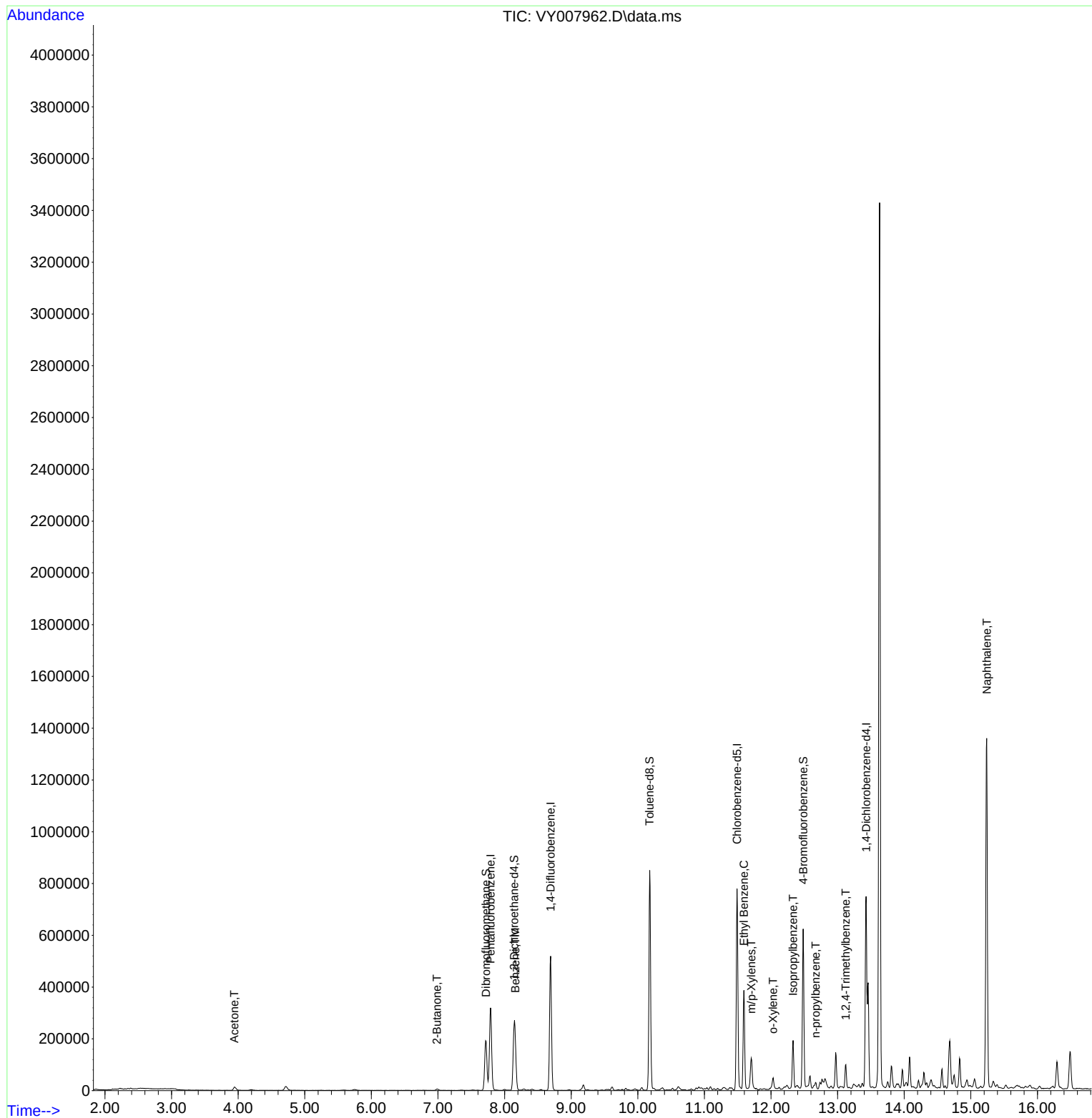
Target Compounds						Qvalue
16) Acetone	3.942	43	22795	32.339	ug/l	93
25) 2-Butanone	6.984	43	9199	8.147	ug/l #	86
40) Benzene	8.161	78	123218	9.196	ug/l	94
67) Ethyl Benzene	11.593	91	259617	14.693	ug/l	97
68) m/p-Xylenes	11.703	106	37699	5.470	ug/l	96
69) o-Xylene	12.032	106	11173	1.676	ug/l	99
73) Isopropylbenzene	12.331	105	113990	7.096	ug/l	99
78) n-propylbenzene	12.672	91	19752	1.018	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	49434	3.817	ug/l	99
95) Naphthalene	15.239	128	1101796	121.137	ug/l	98

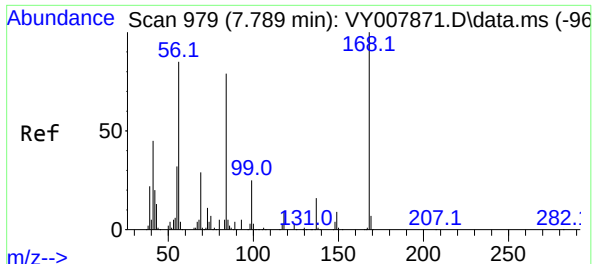
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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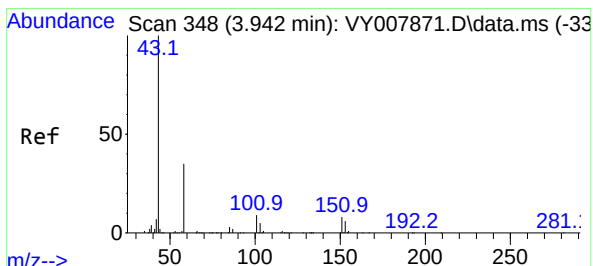
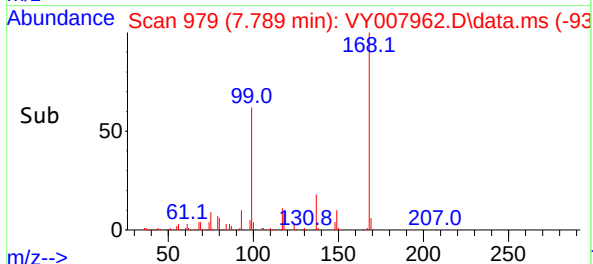
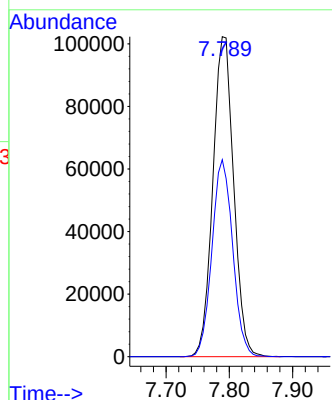
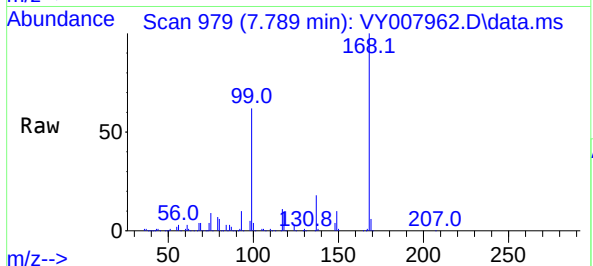




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

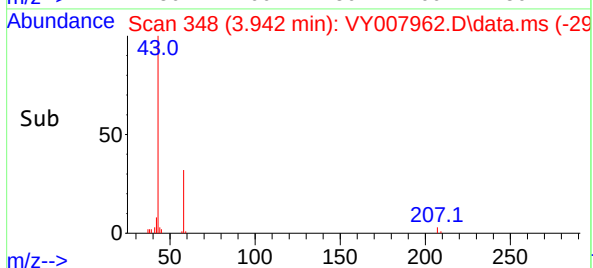
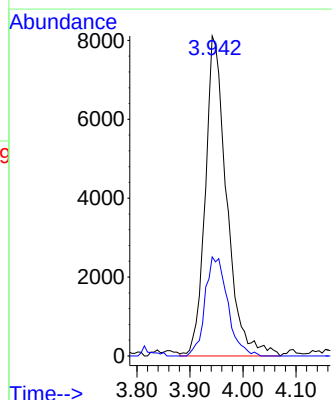
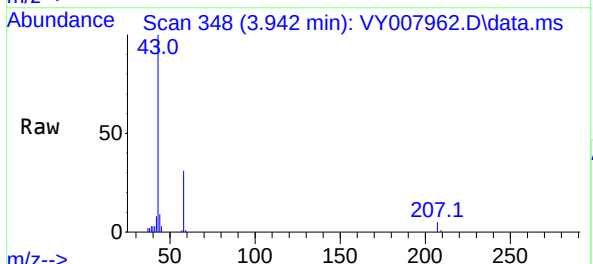
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

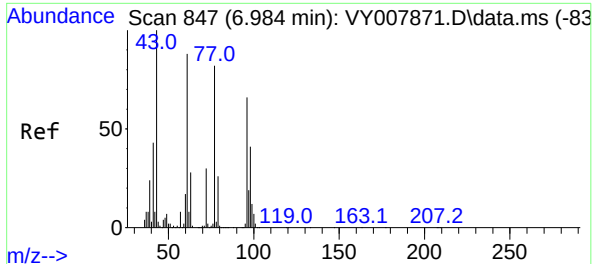
Tgt Ion:168 Resp: 233040
Ion Ratio Lower Upper
168 100
99 61.5 46.9 70.3



#16
Acetone
Concen: 32.339 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 43 Resp: 22795
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0

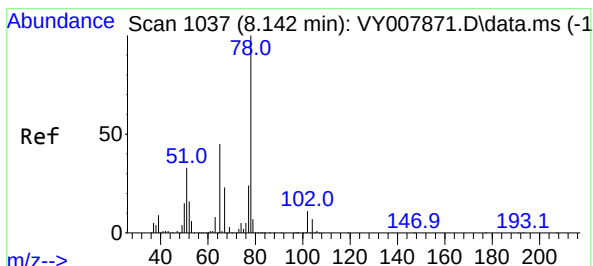
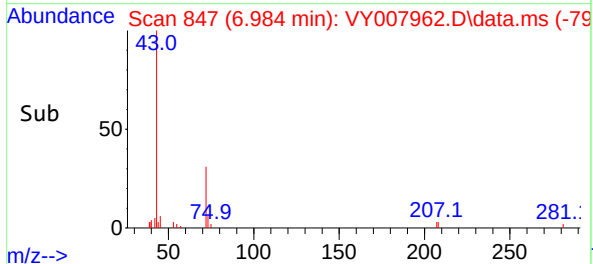
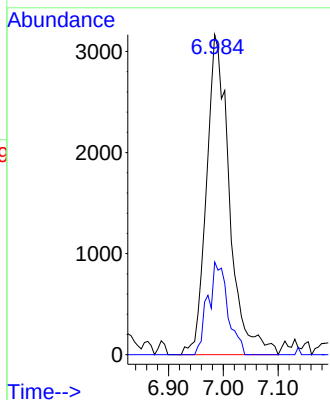
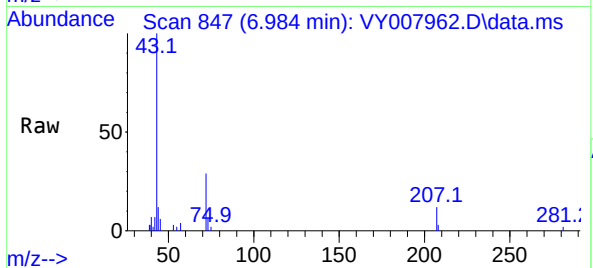




#25
2-Butanone
Concen: 8.147 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

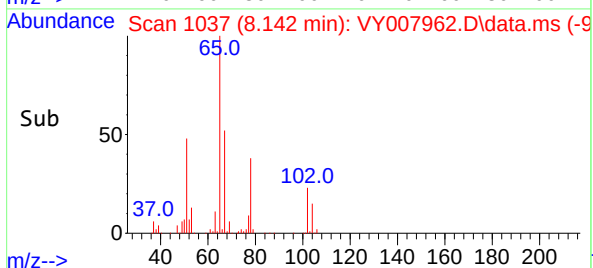
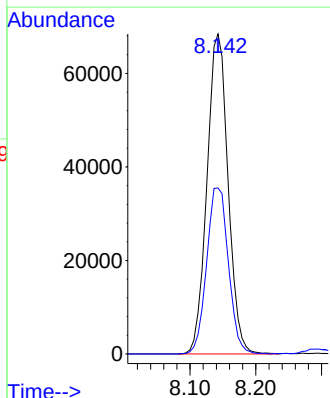
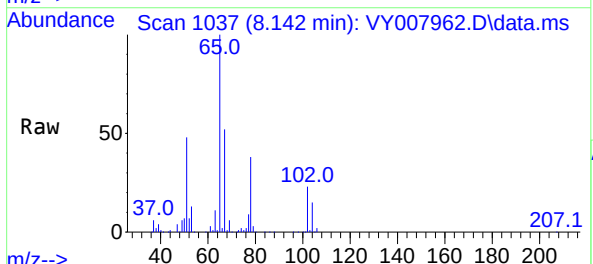
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

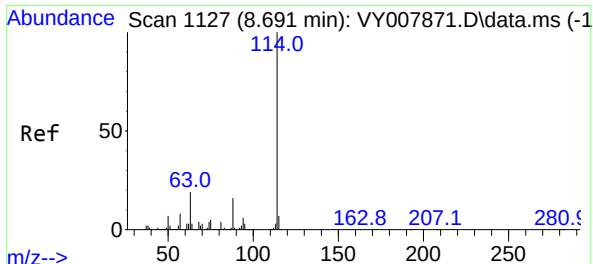
Tgt Ion: 43 Resp: 9199
Ion Ratio Lower Upper
43 100
72 29.0 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 57.442 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 65 Resp: 152628
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007962.D

Acq: 21 Mar 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

G-5-11-25-26

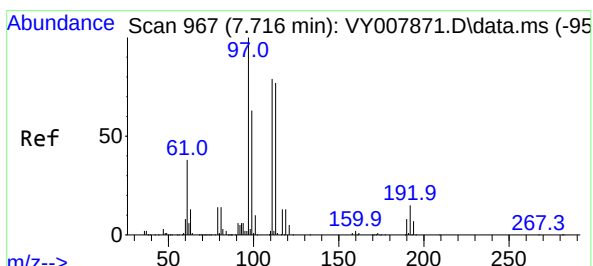
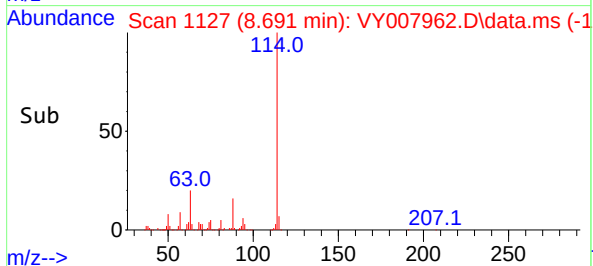
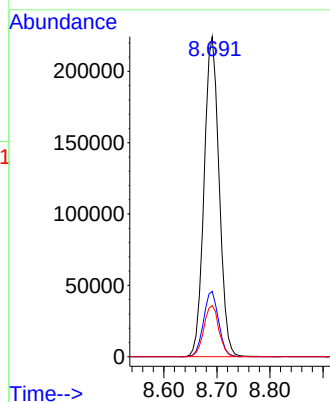
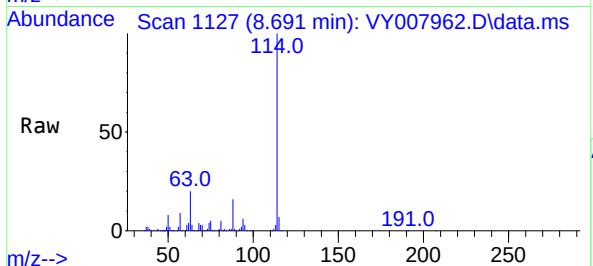
Tgt Ion:114 Resp: 440207

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.607 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007962.D

Acq: 21 Mar 2022 18:09

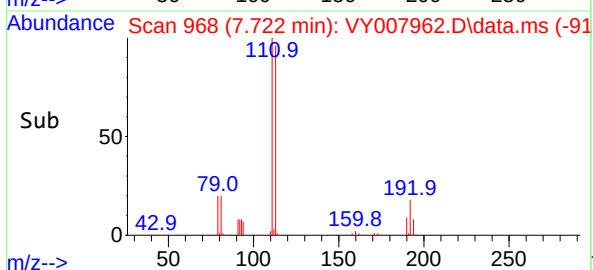
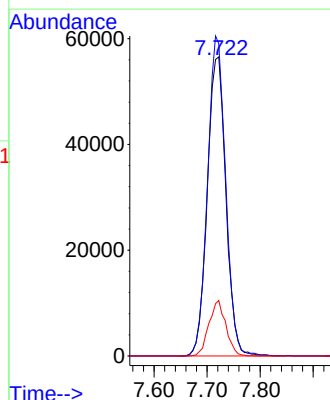
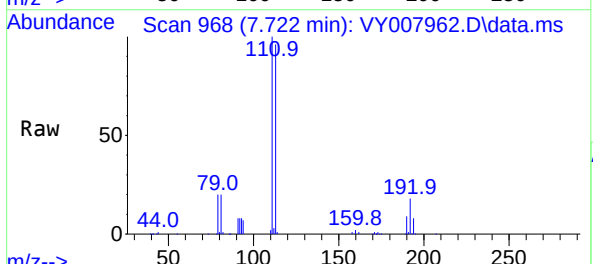
Tgt Ion:113 Resp: 137906

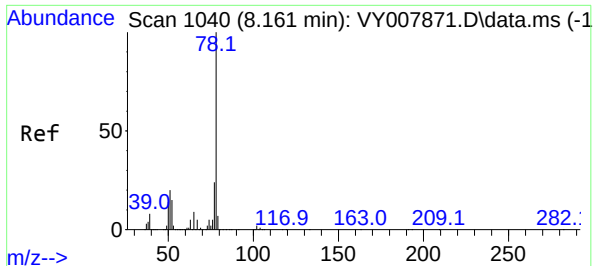
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 16.9 17.6 26.4#

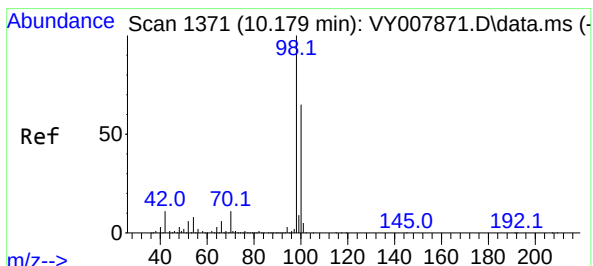
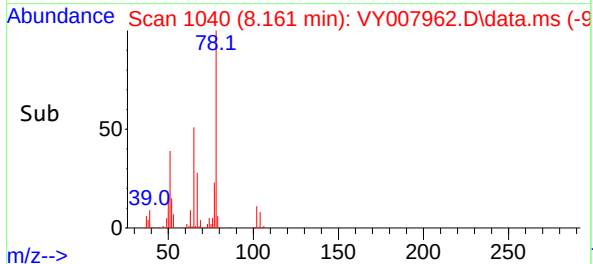
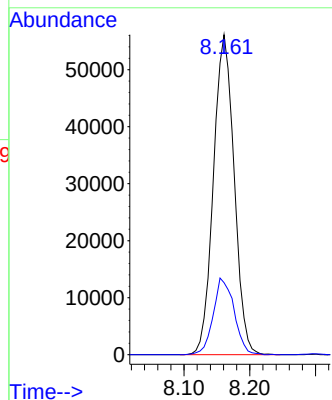
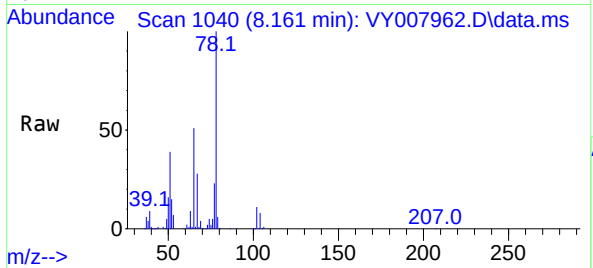




#40
Benzene
Concen: 9.196 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

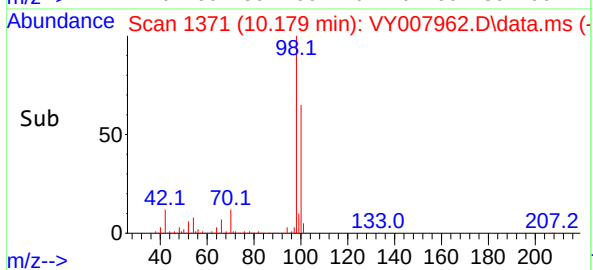
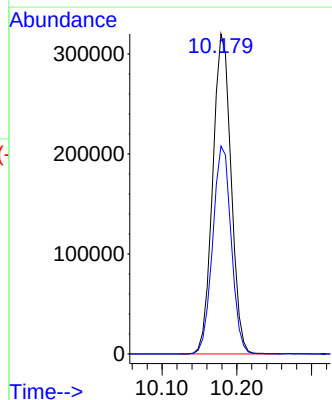
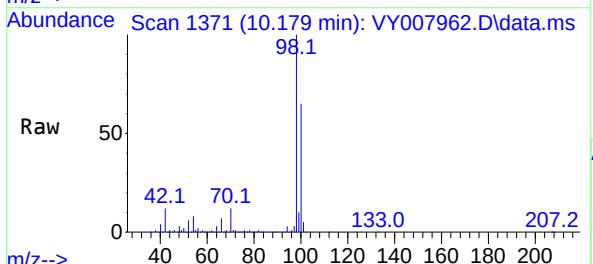
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G-5-11-25-26

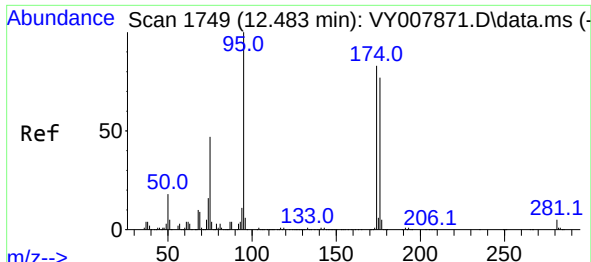
Tgt Ion: 78 Resp: 123218
Ion Ratio Lower Upper
78 100
77 22.5 20.4 30.6



#50
Toluene-d8
Concen: 59.591 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 98 Resp: 545790
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

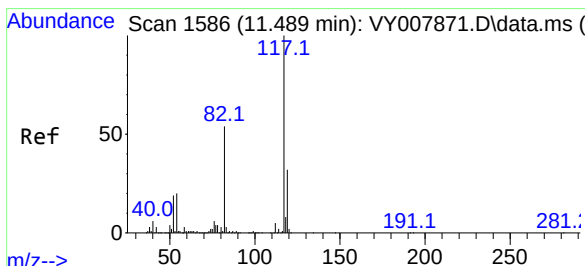
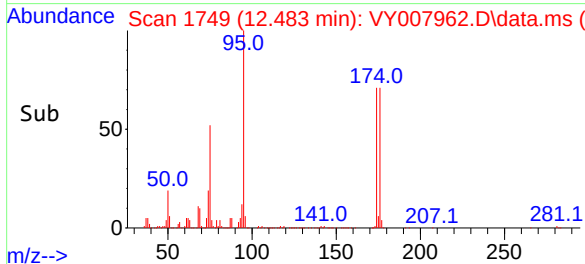
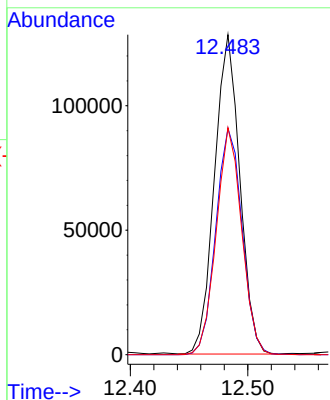
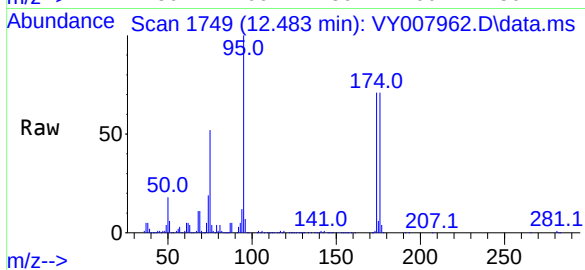




#62
4-Bromofluorobenzene
Concen: 43.325 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

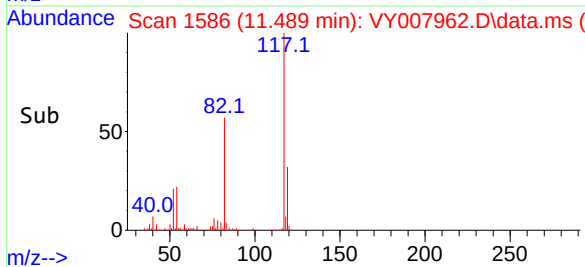
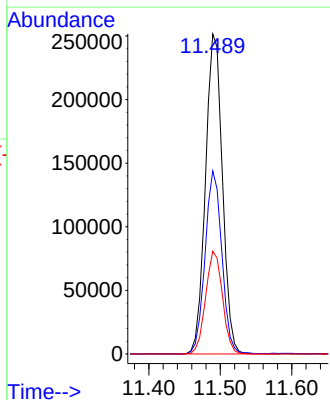
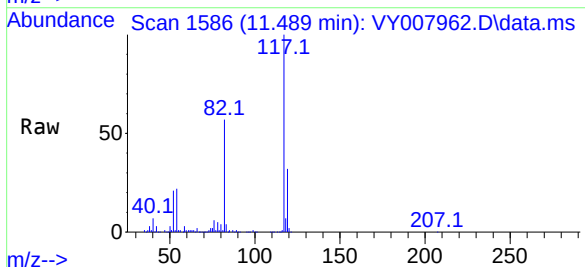
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

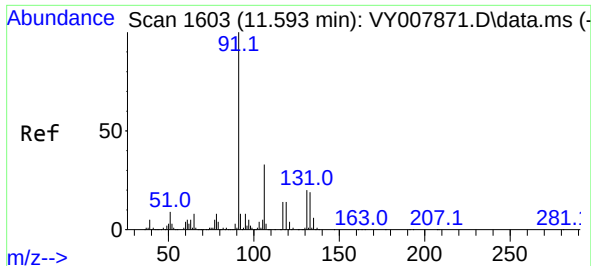
Tgt Ion: 95 Resp: 192231
Ion Ratio Lower Upper
95 100
174 73.7 0.0 177.0
176 71.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 117 Resp: 414079
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 32.1 25.4 38.0





#67

Ethyl Benzene

Concen: 14.693 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY007962.D

Acq: 21 Mar 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

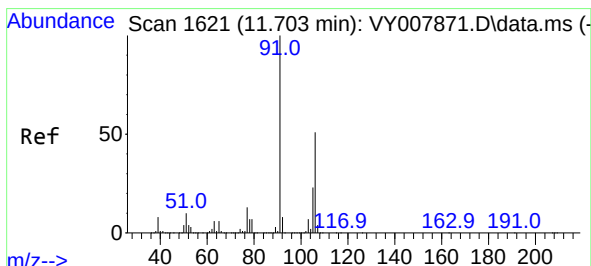
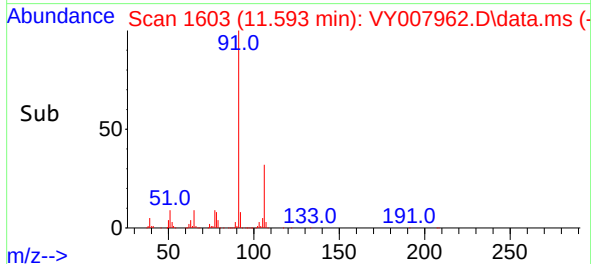
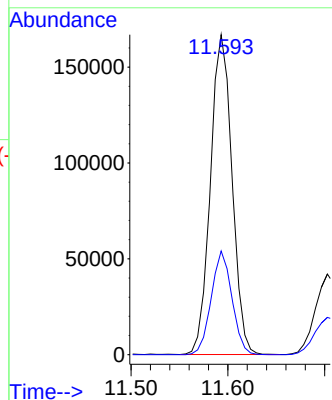
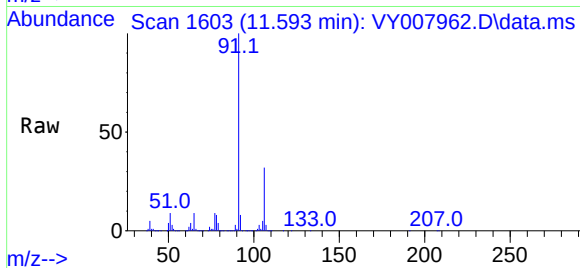
G-5-11-25-26

Tgt Ion: 91 Resp: 259617

Ion Ratio Lower Upper

91 100

106 32.4 24.5 36.7



#68

m/p-Xylenes

Concen: 5.470 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY007962.D

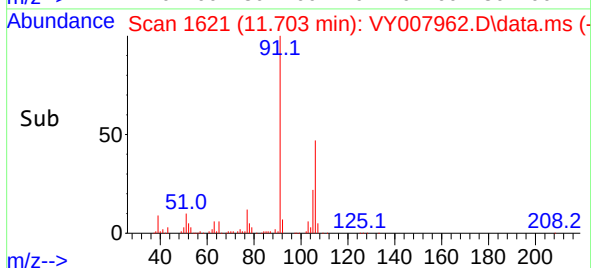
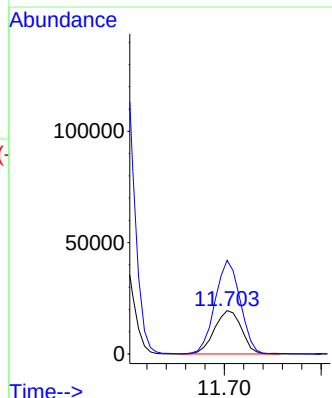
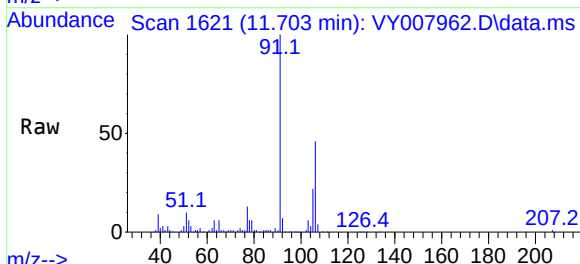
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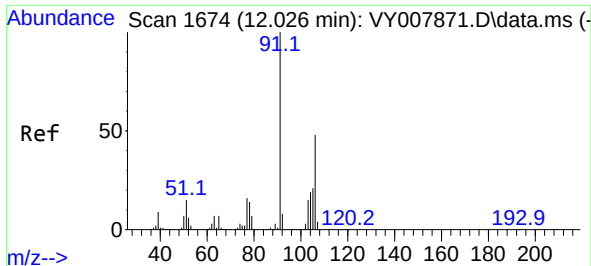
Tgt Ion: 106 Resp: 37699

Ion Ratio Lower Upper

106 100

91 202.4 166.6 249.8

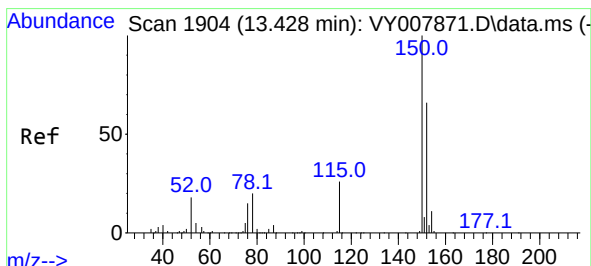
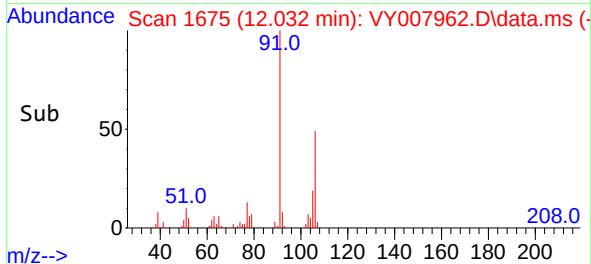
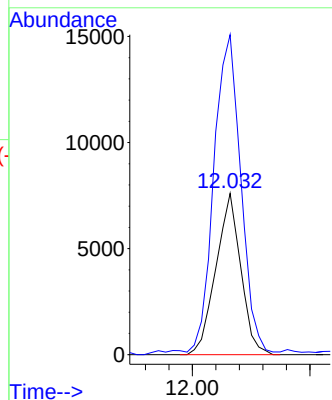
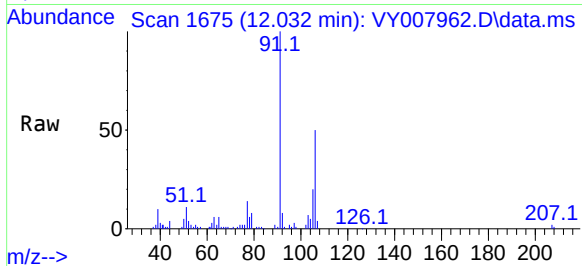




#69
o-Xylene
Concen: 1.676 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

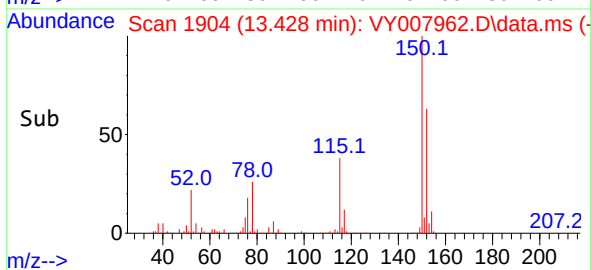
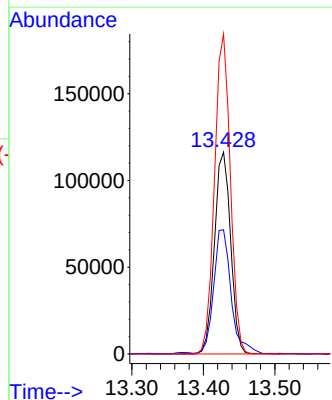
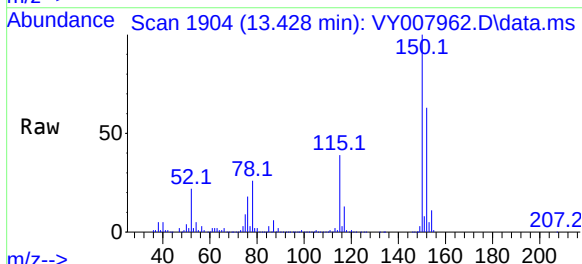
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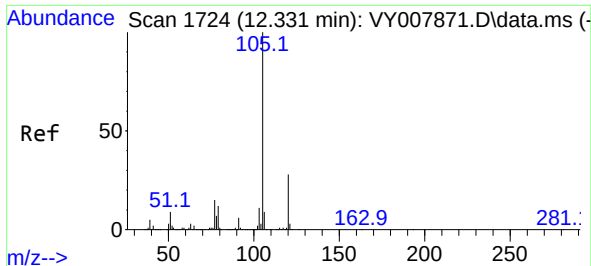
Tgt Ion:106 Resp: 11173
Ion Ratio Lower Upper
106 100
91 219.1 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion:152 Resp: 182509
Ion Ratio Lower Upper
152 100
115 65.9 28.2 84.7
150 155.3 0.0 347.6

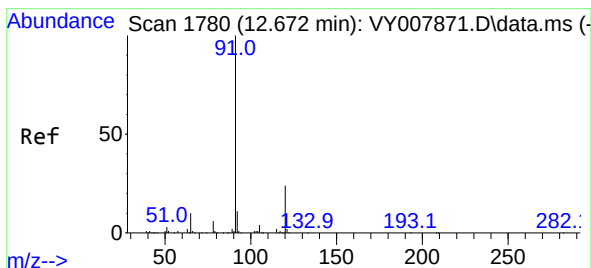
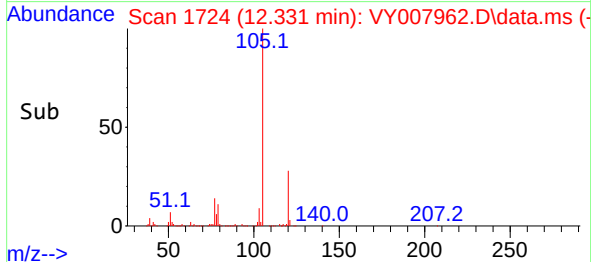
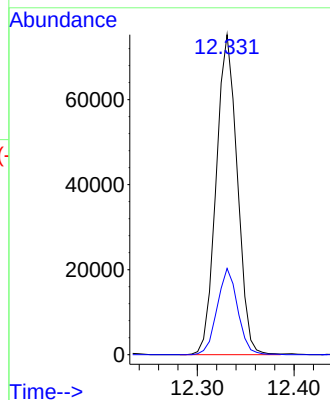
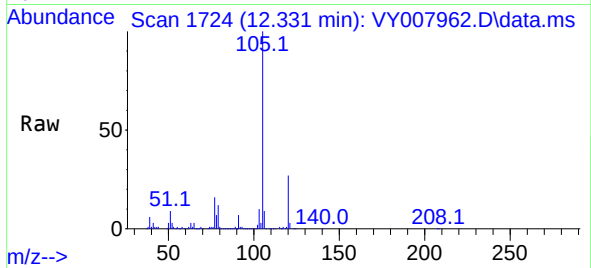




#73
Isopropylbenzene
Concen: 7.096 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

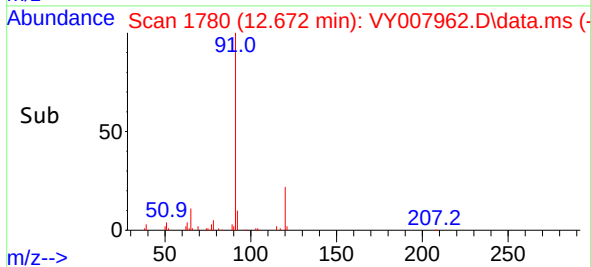
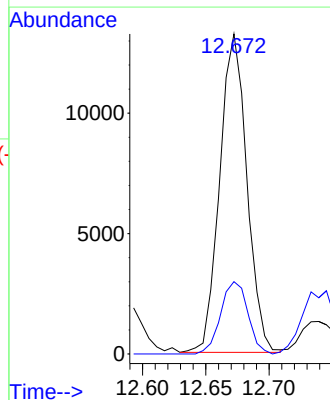
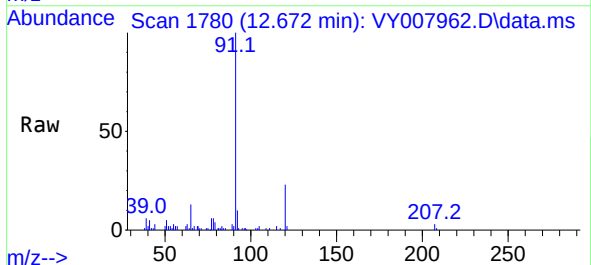
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

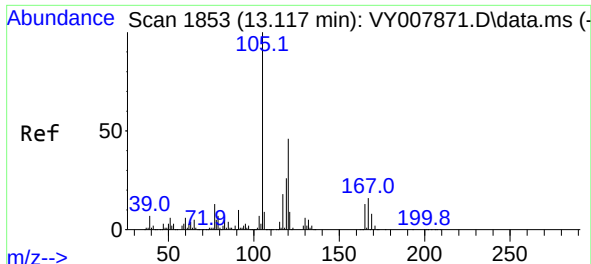
Tgt Ion:105 Resp: 113990
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2



#78
n-propylbenzene
Concen: 1.018 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 91 Resp: 19752
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9

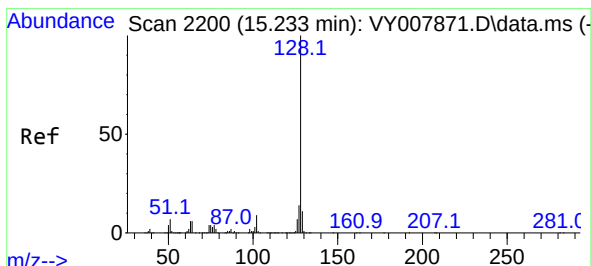
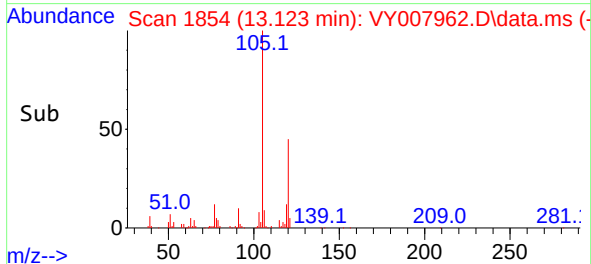
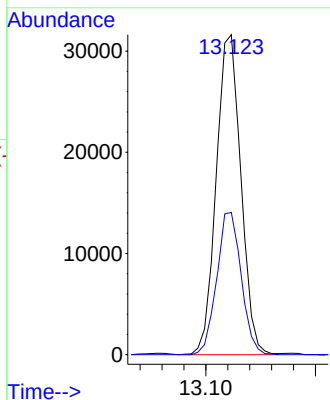
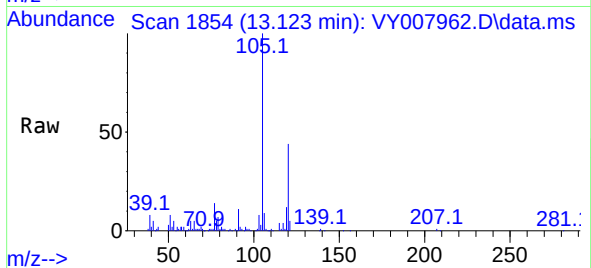




#84
1,2,4-Trimethylbenzene
Concen: 3.817 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

Tgt Ion:105 Resp: 49434
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9



#95
Naphthalene
Concen: 121.137 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion:128 Resp: 1101796
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.0 8.4 12.6

