

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012031.D
 Acq On : 29 Dec 2022 16:25
 Operator : KP/MD
 Sample : N6230-01
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

Quant Time: Dec 30 04:00:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

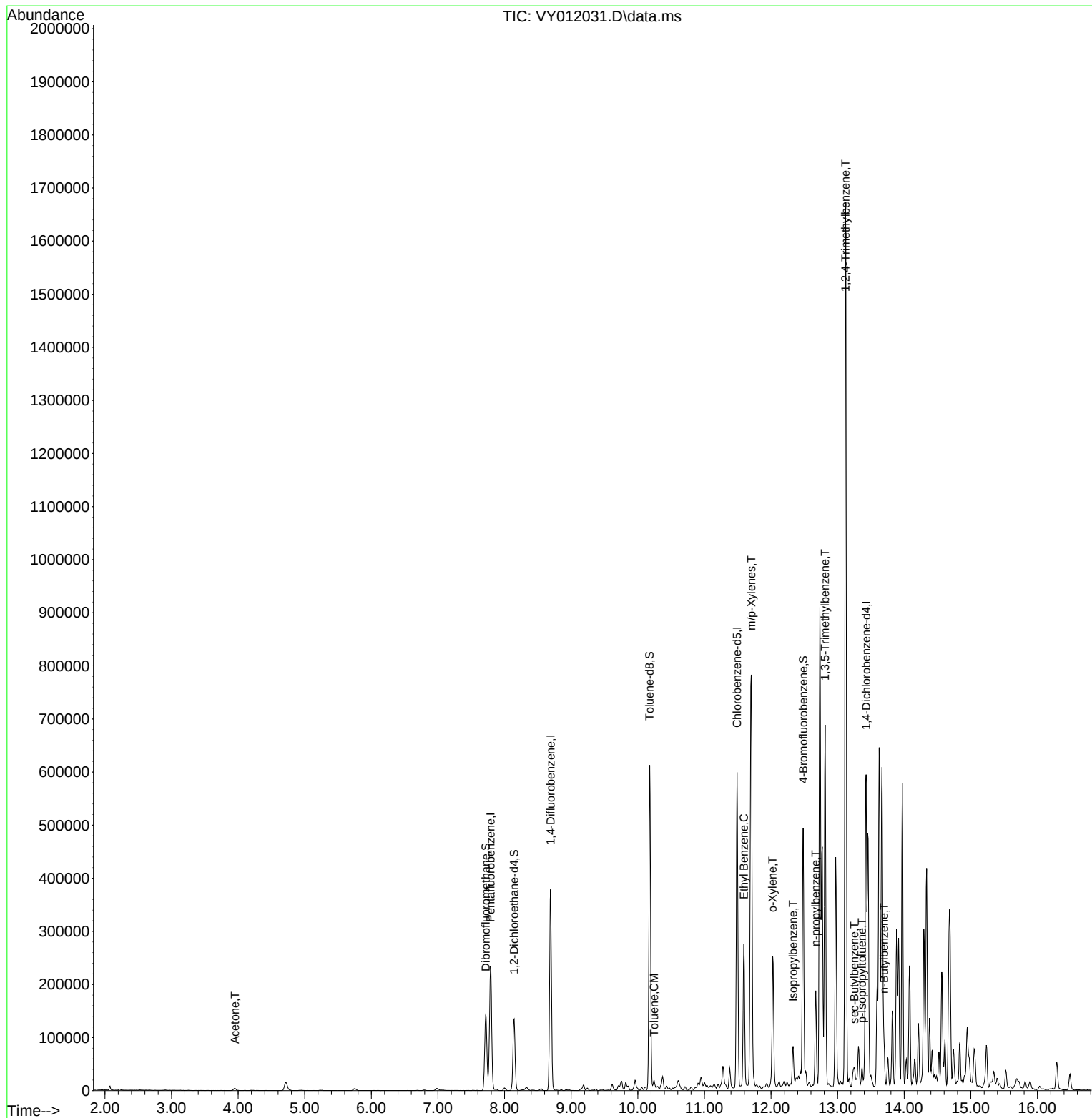
Internal Standards						
1) Pentafluorobenzene	7.789	168	183921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110631	59.705	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.400%
35) Dibromofluoromethane	7.716	113	98430	50.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.140%
50) Toluene-d8	10.179	98	399012	50.527	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.060%
62) 4-Bromofluorobenzene	12.483	95	143115	53.885	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.760%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	7504	18.174	ug/l	95
52) Toluene	10.246	92	7508	1.319	ug/l	95
67) Ethyl Benzene	11.593	91	178147	14.761	ug/l	98
68) m/p-Xylenes	11.703	106	242488	51.663	ug/l	100
69) o-Xylene	12.026	106	65253	14.942	ug/l	98
73) Isopropylbenzene	12.331	105	47088	4.128	ug/l	99
78) n-propylbenzene	12.672	91	131196	9.568	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	332318	34.027	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	898871	93.554	ug/l	99
85) sec-Butylbenzene	13.251	105	20818m	1.684	ug/l	
86) p-Isopropyltoluene	13.367	119	13252m	1.271	ug/l	
89) n-Butylbenzene	13.697	91	33427	3.541	ug/l #	57

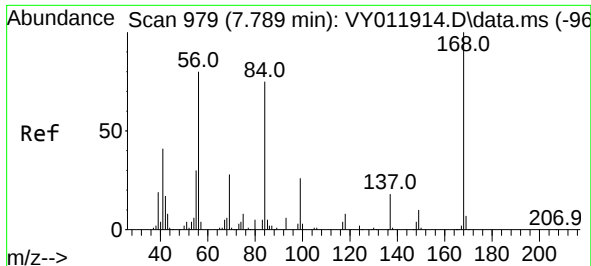
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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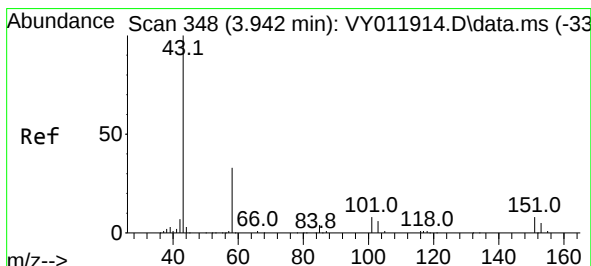
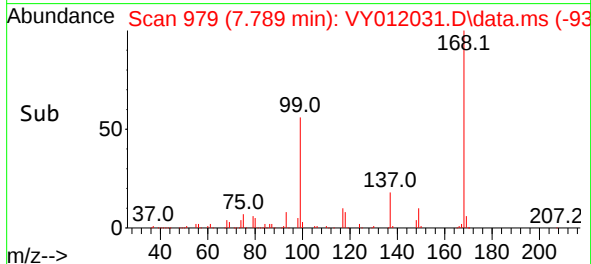
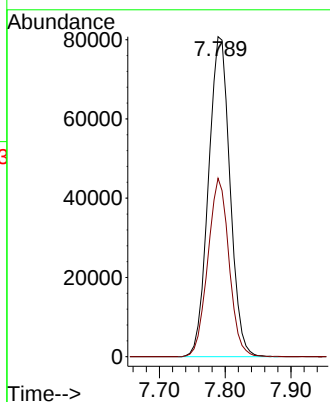
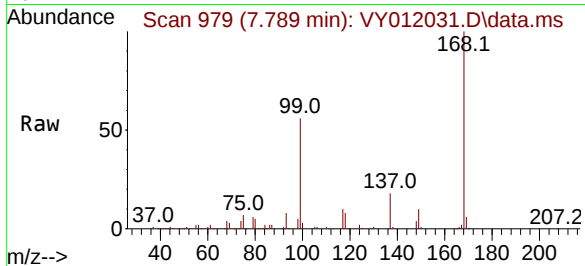




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

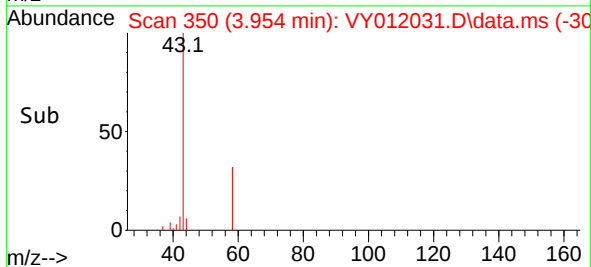
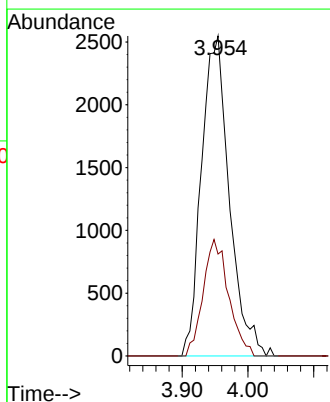
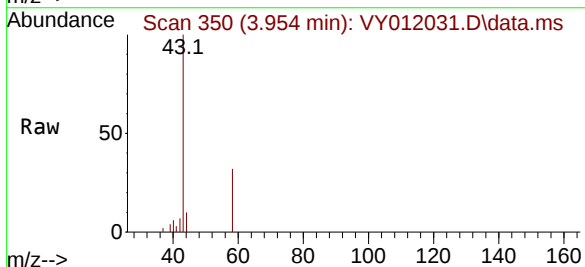
Instrument :
MSVOA_Y
ClientSampleId :
C-1

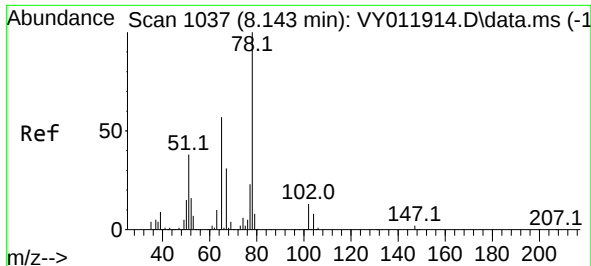
Tgt Ion:168 Resp: 183921
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#16
Acetone
Concen: 18.174 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

Tgt Ion: 43 Resp: 7504
Ion Ratio Lower Upper
43 100
58 31.9 27.9 41.9





#33

1,2-Dichloroethane-d4

Concen: 59.705 ug/l

RT: 8.143 min Scan# 110631

Delta R.T. -0.000 min

Lab File: VY012031.D

Acq: 29 Dec 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

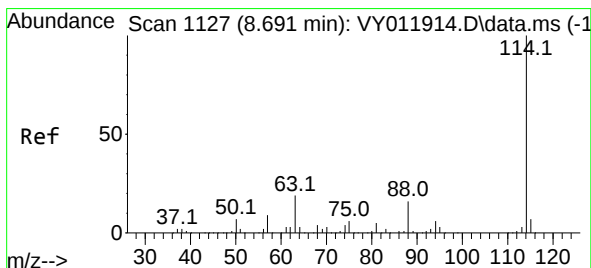
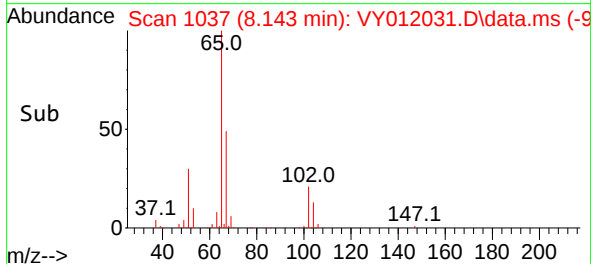
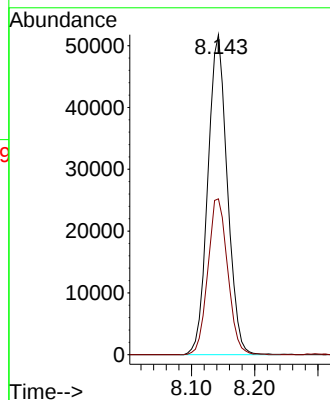
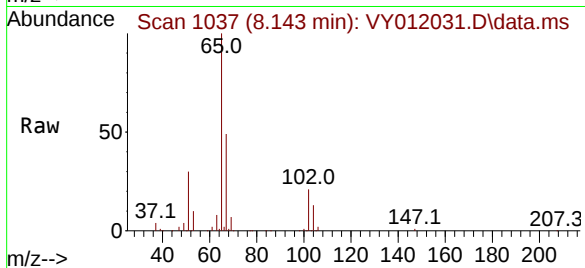
C-1

Tgt Ion: 65 Resp: 110631

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012031.D

Acq: 29 Dec 2022 16:25

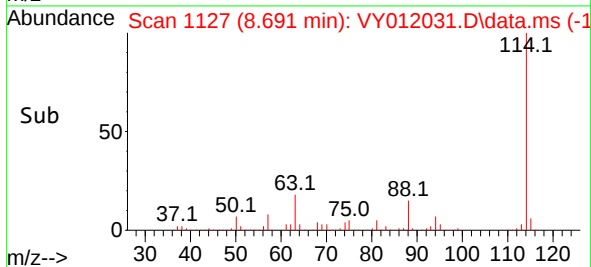
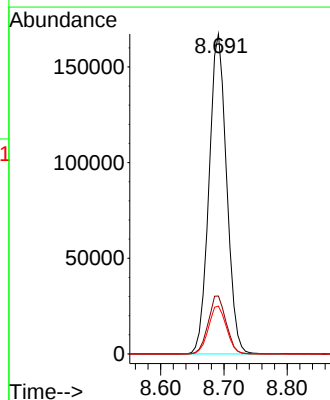
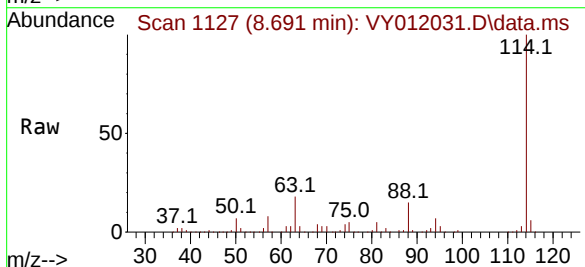
Tgt Ion: 114 Resp: 323310

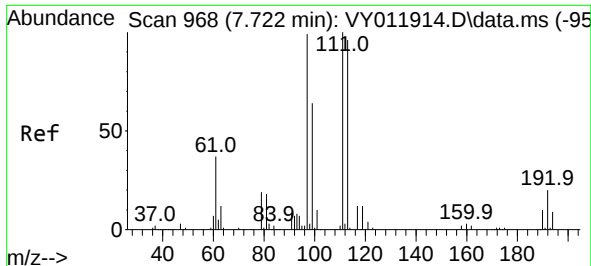
Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.0 0.0 32.2



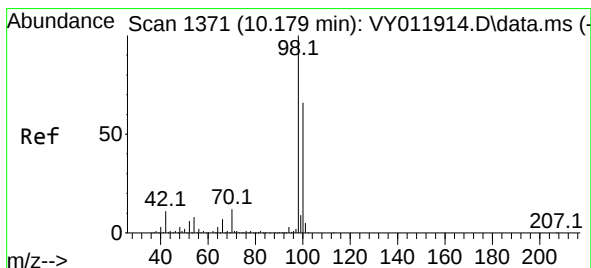
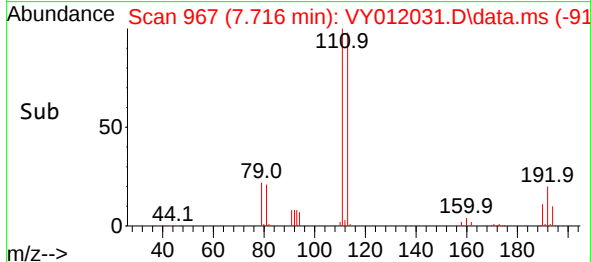
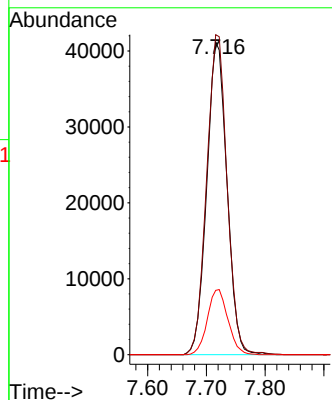
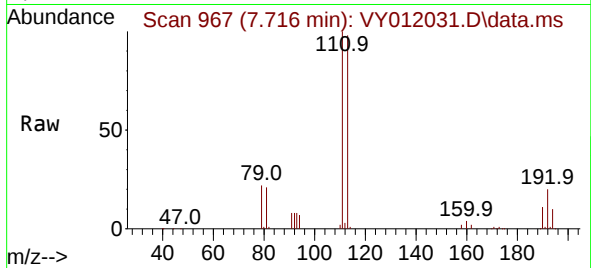


#35
 Dibromofluoromethane
 Concen: 50.570 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY012031.D
 Acq: 29 Dec 2022 16:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

Tgt Ion:113 Resp: 98430

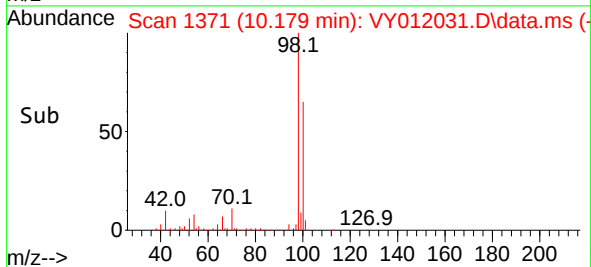
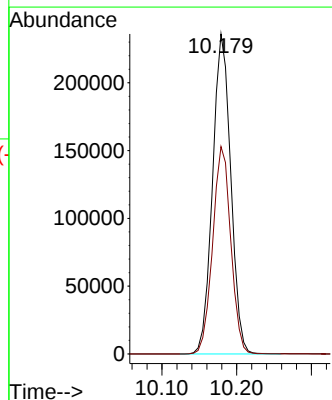
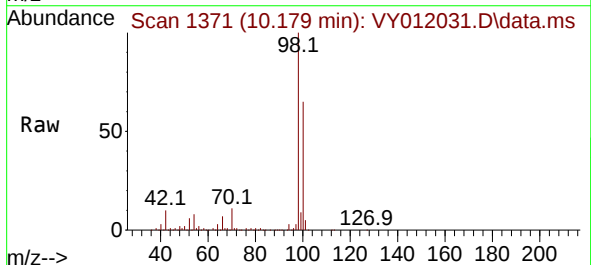
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.4
192	21.2	16.0	24.0

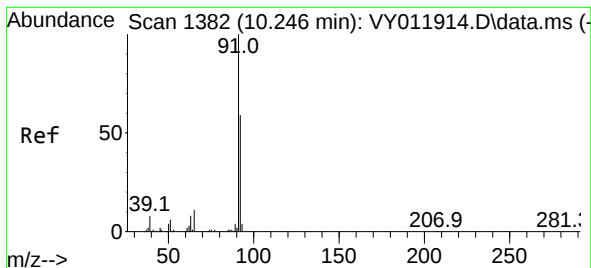


#50
 Toluene-d8
 Concen: 50.527 ug/l
 RT: 10.179 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: VY012031.D
 Acq: 29 Dec 2022 16:25

Tgt Ion: 98 Resp: 399012

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#52

Toluene

Concen: 1.319 ug/l

RT: 10.246 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012031.D

Acq: 29 Dec 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

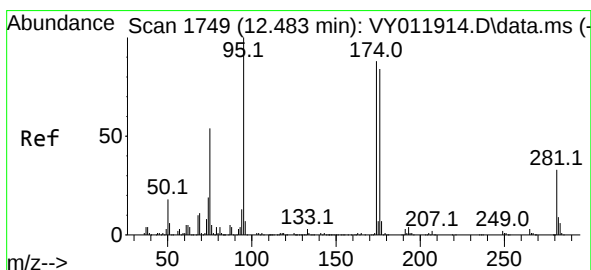
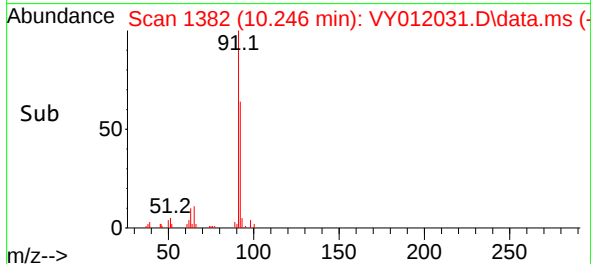
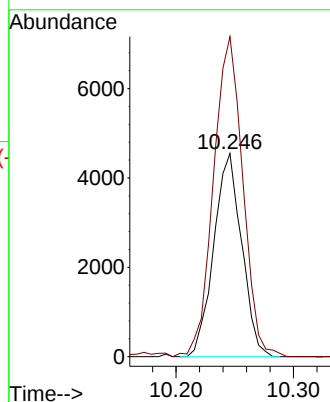
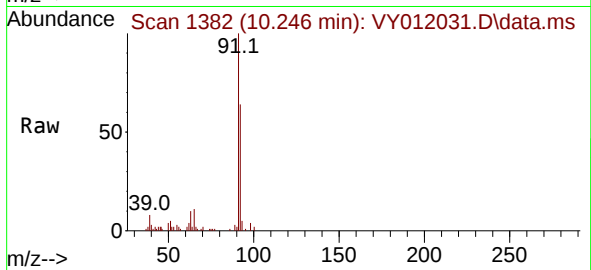
C-1

Tgt Ion: 92 Resp: 7508

Ion Ratio Lower Upper

92 100

91 165.4 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 53.885 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012031.D

Acq: 29 Dec 2022 16:25

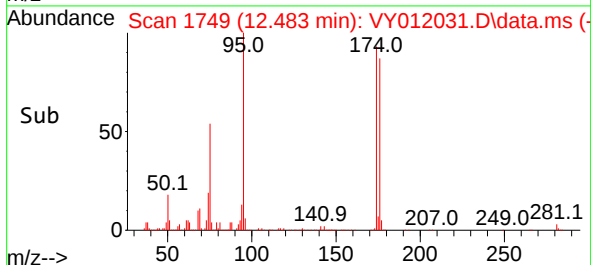
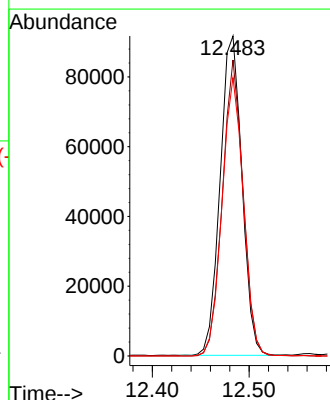
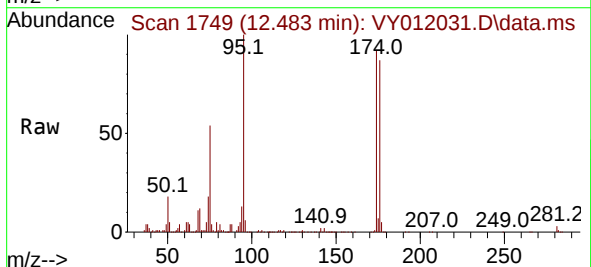
Tgt Ion: 95 Resp: 143115

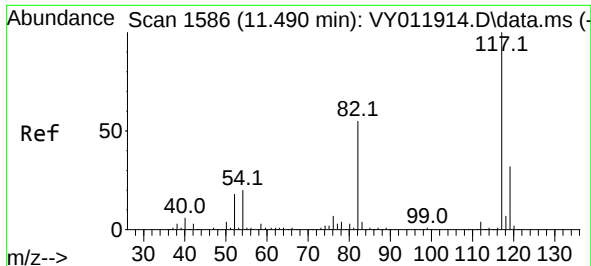
Ion Ratio Lower Upper

95 100

174 88.2 0.0 172.0

176 85.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012031.D

Acq: 29 Dec 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

C-1

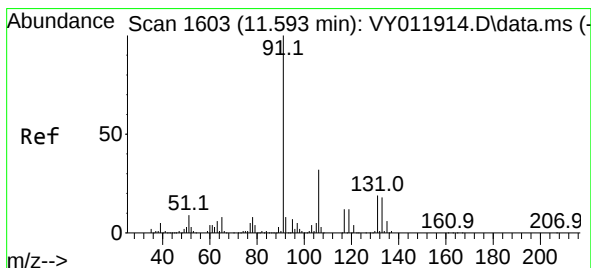
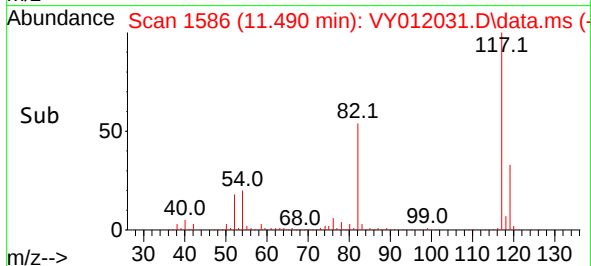
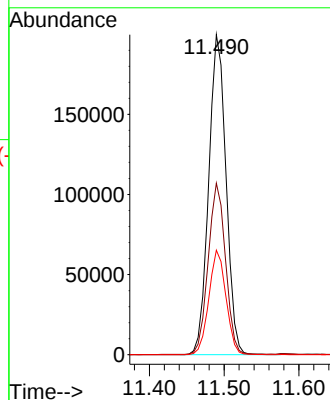
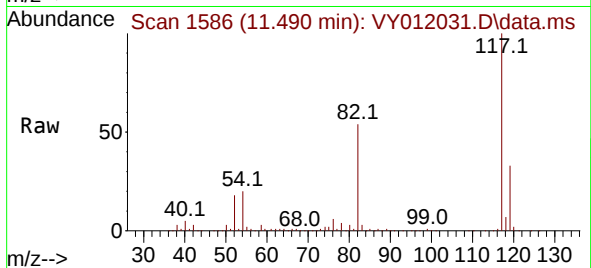
Tgt Ion:117 Resp: 321557

Ion Ratio Lower Upper

117 100

82 53.5 44.8 67.2

119 32.7 25.4 38.2



#67

Ethyl Benzene

Concen: 14.761 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012031.D

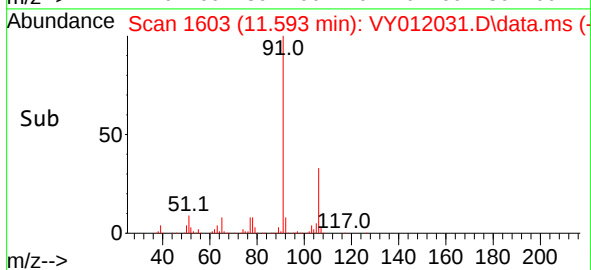
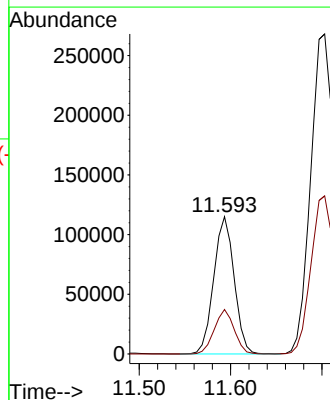
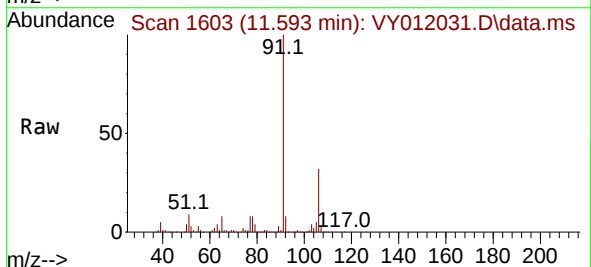
Acq: 29 Dec 2022 16:25

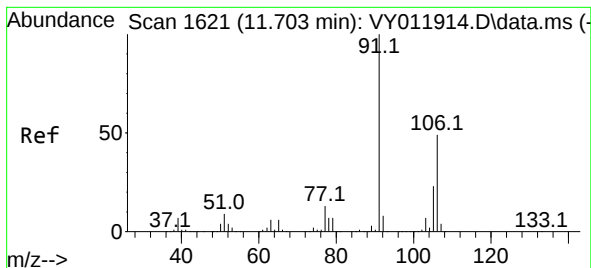
Tgt Ion: 91 Resp: 178147

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.4

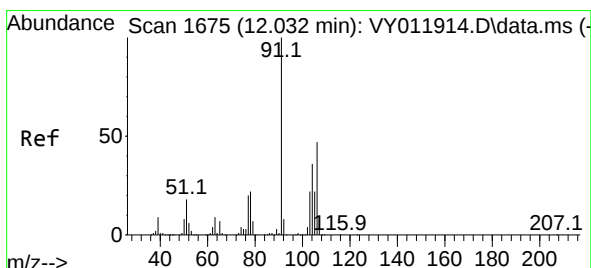
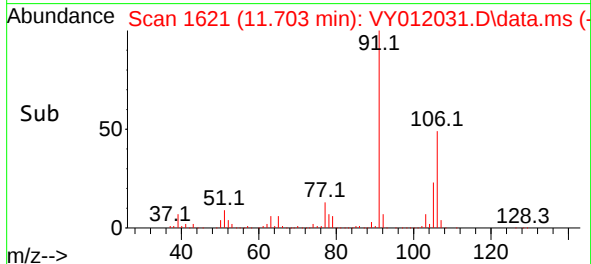
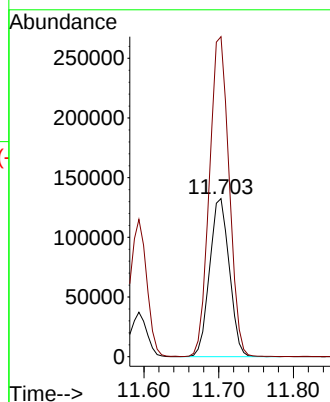
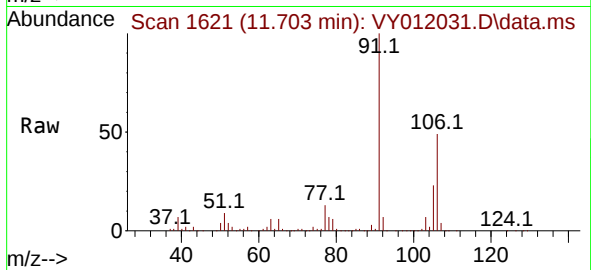




#68
m/p-Xylenes
Concen: 51.663 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

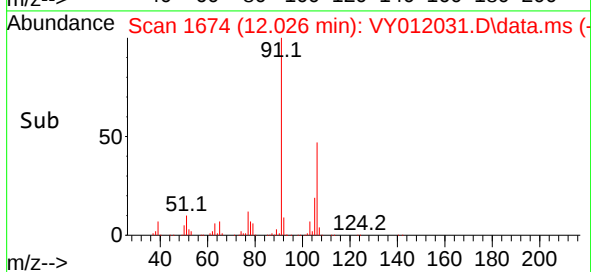
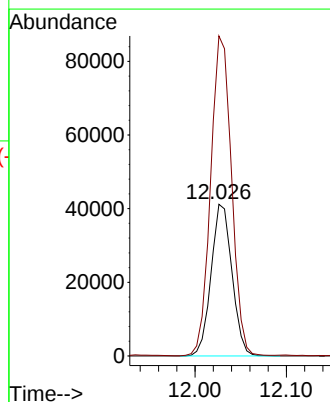
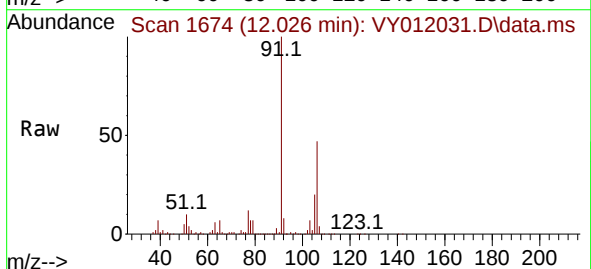
Instrument :
MSVOA_Y
ClientSampleId :
C-1

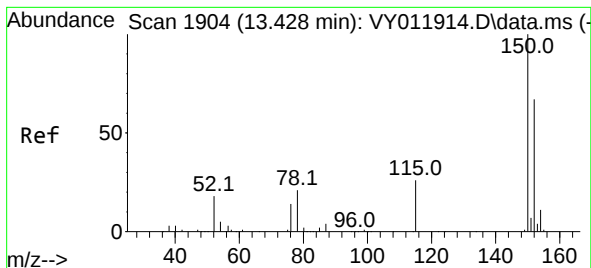
Tgt Ion:106 Resp: 242488
Ion Ratio Lower Upper
106 100
91 202.5 162.5 243.7



#69
o-Xylene
Concen: 14.942 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

Tgt Ion:106 Resp: 65253
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.4

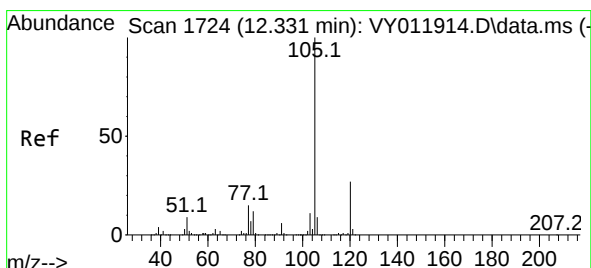
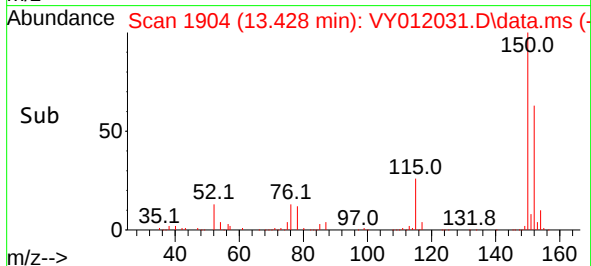
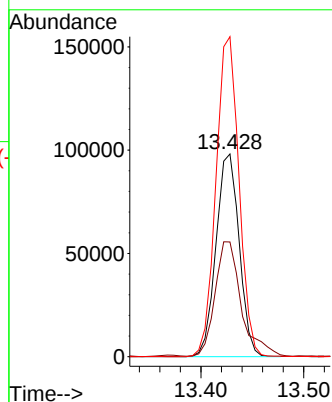
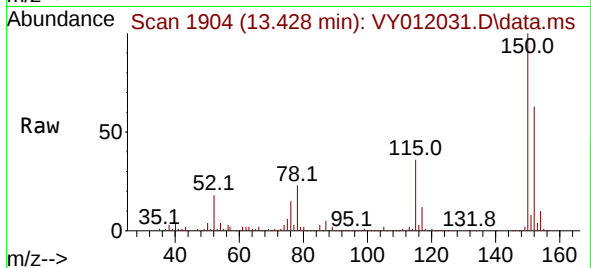




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012031.D
 Acq: 29 Dec 2022 16:25

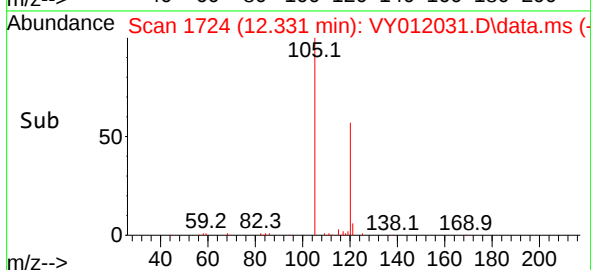
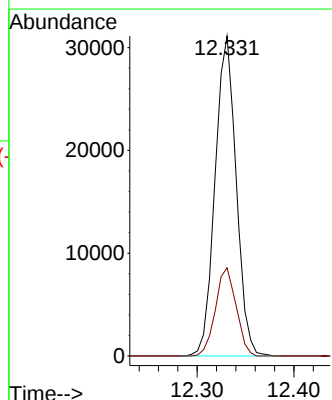
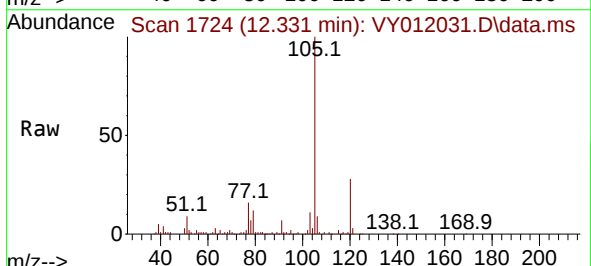
Instrument :
 MSVOA_Y
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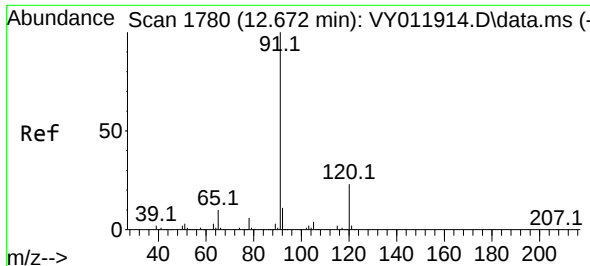
Tgt Ion:152 Resp: 153722
 Ion Ratio Lower Upper
 152 100
 115 63.7 29.1 87.3
 150 156.7 0.0 342.6



#73
 Isopropylbenzene
 Concen: 4.128 ug/l
 RT: 12.331 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VY012031.D
 Acq: 29 Dec 2022 16:25

Tgt Ion:105 Resp: 47088
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.2 39.6

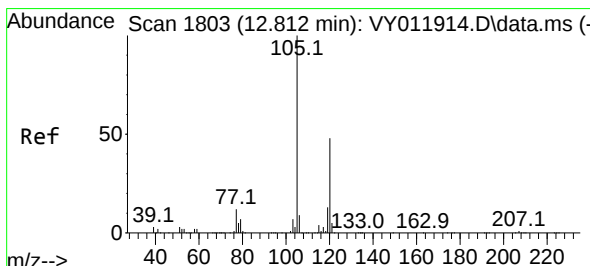
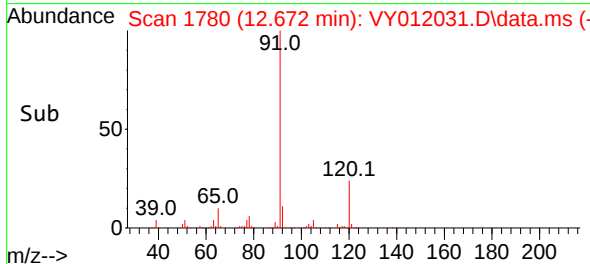
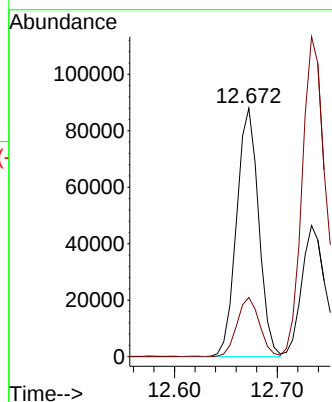
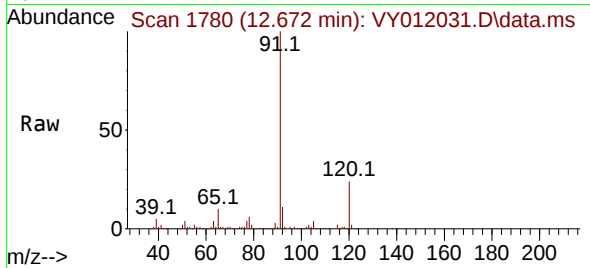




#78
n-propylbenzene
Concen: 9.568 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

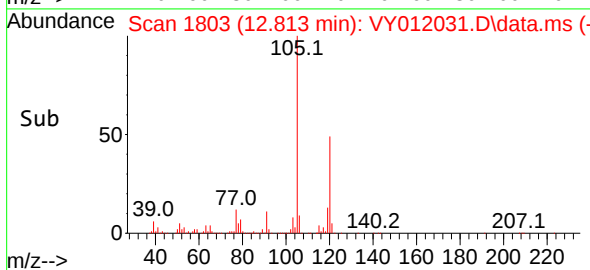
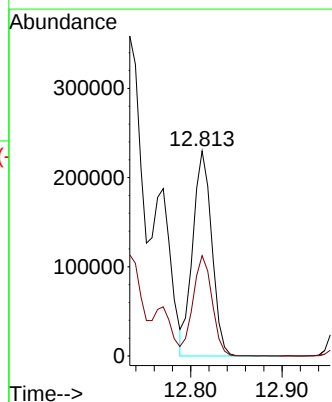
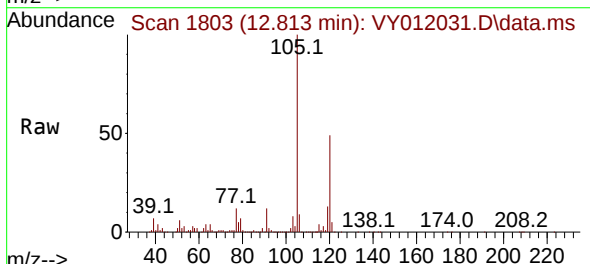
Instrument :
MSVOA_Y
ClientSampleId :
C-1

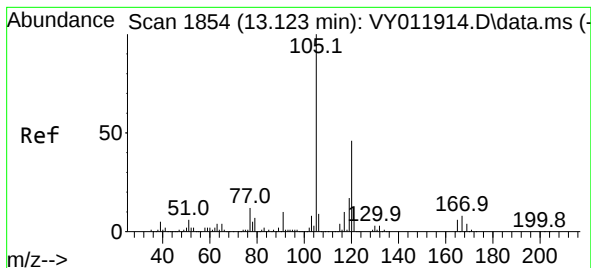
Tgt Ion: 91 Resp: 131196
Ion Ratio Lower Upper
91 100
120 24.3 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 34.027 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

Tgt Ion:105 Resp: 332318
Ion Ratio Lower Upper
105 100
120 49.2 24.2 72.6





#84

1,2,4-Trimethylbenzene

Concen: 93.554 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY012031.D

Acq: 29 Dec 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

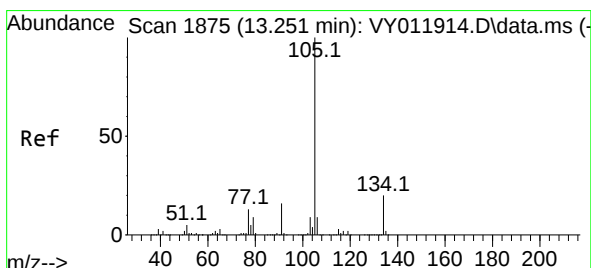
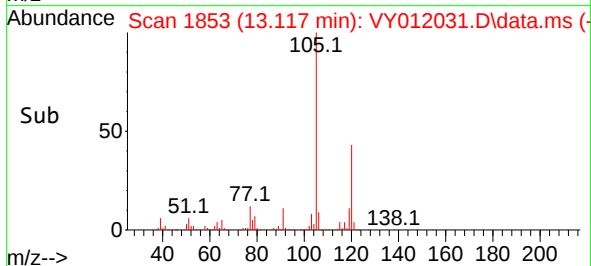
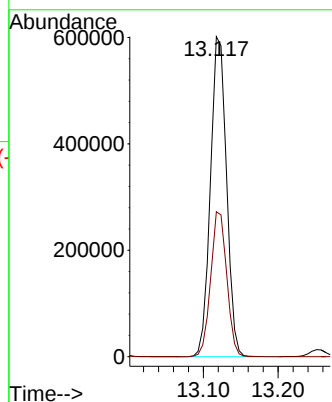
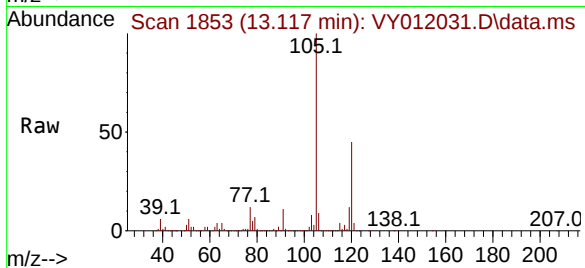
C-1

Tgt Ion:105 Resp: 898871

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.7



#85

sec-Butylbenzene

Concen: 1.684 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012031.D

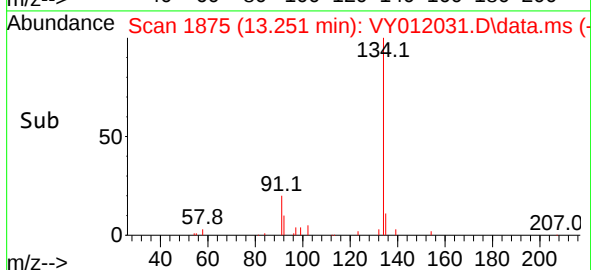
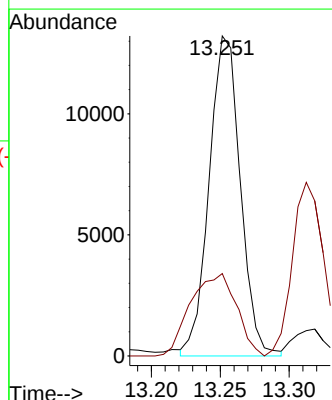
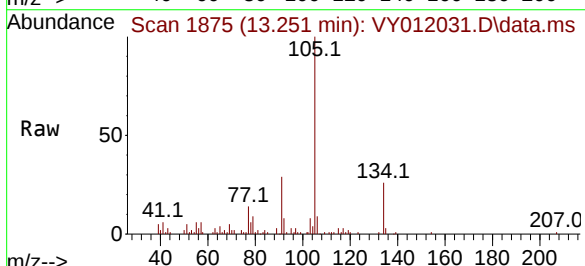
Acq: 29 Dec 2022 16:25

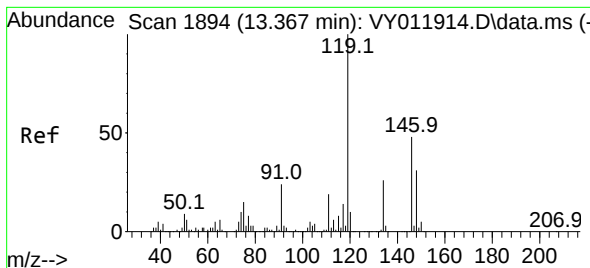
Tgt Ion:105 Resp: 20818

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#

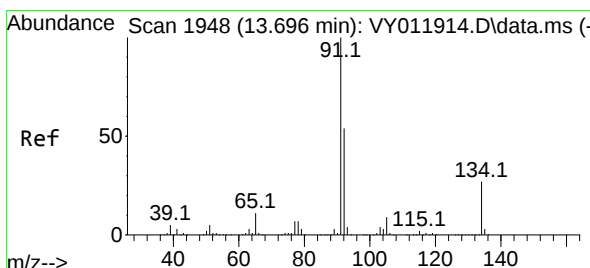
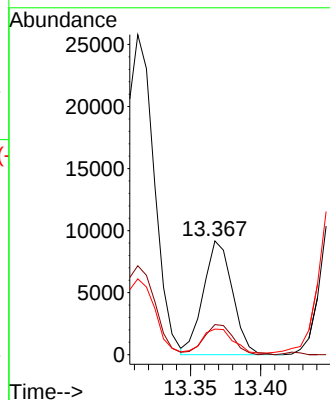
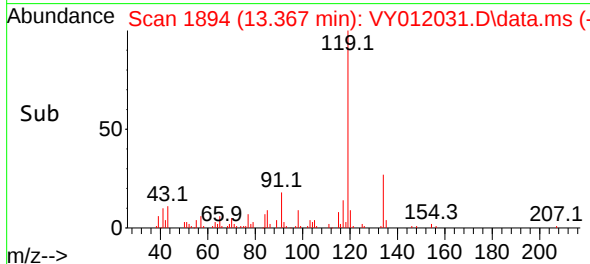
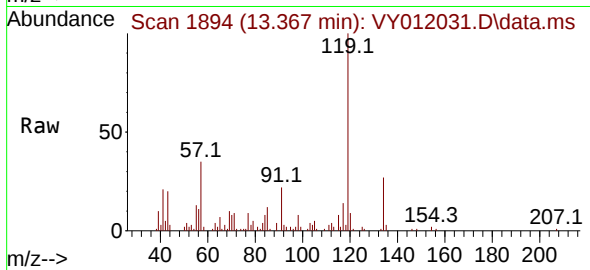




#86
p-Isopropyltoluene
Concen: 1.271 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

Instrument :
MSVOA_Y
ClientSampleId :
C-1

Tgt Ion:119 Resp: 13252
Ion Ratio Lower Upper
119 100
134 84.2 13.0 39.0#
91 67.1 11.9 35.9#



#89
n-Butylbenzene
Concen: 3.541 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY012031.D
Acq: 29 Dec 2022 16:25

Tgt Ion: 91 Resp: 33427
Ion Ratio Lower Upper
91 100
92 81.7 26.8 80.4#
134 0.0 13.3 39.8#

