

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012220.D
 Acq On : 17 Jan 2023 13:26
 Operator : KP/MD
 Sample : 01167-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-011623

Quant Time: Jan 18 00:32:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

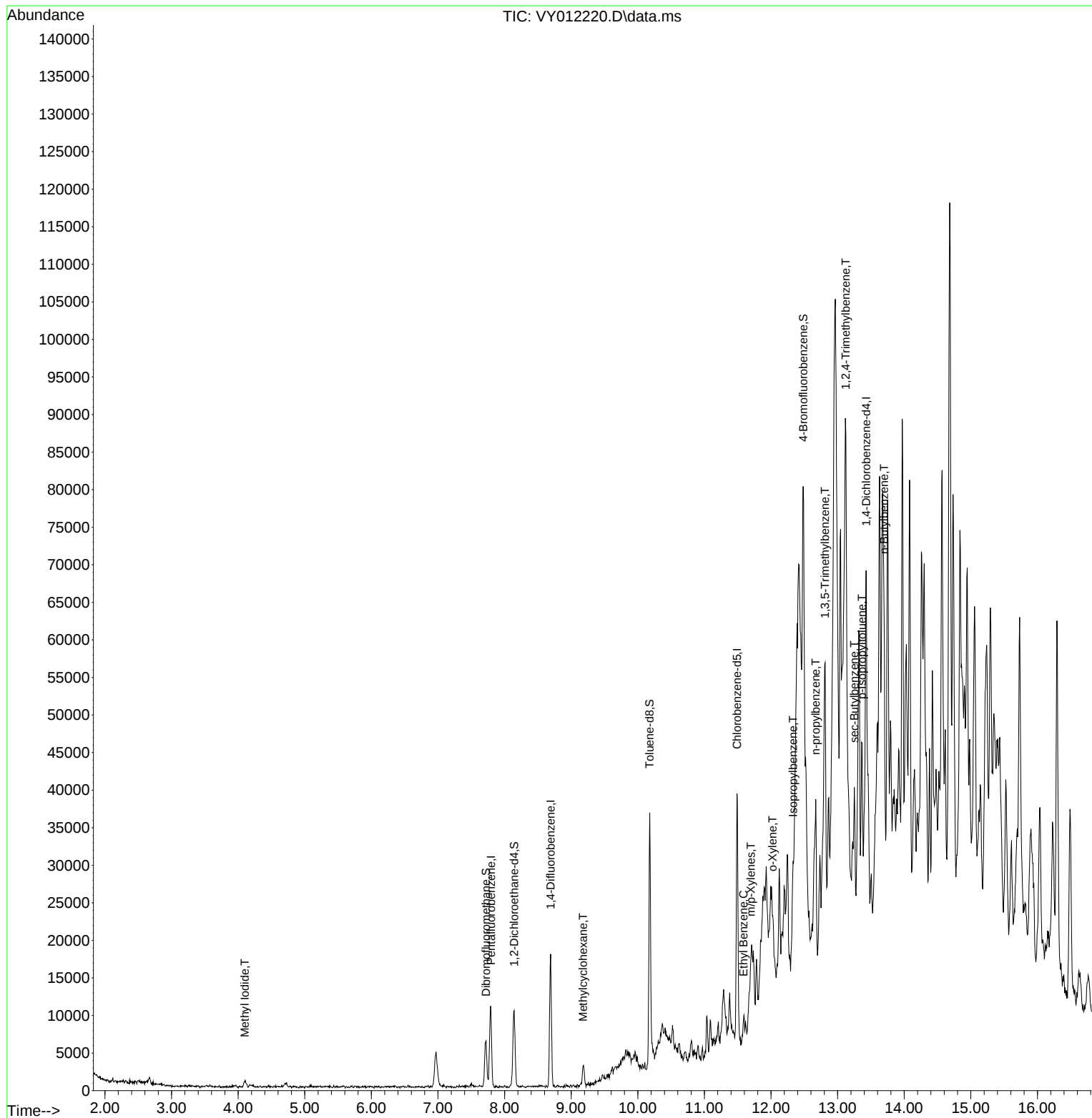
Internal Standards						
1) Pentafluorobenzene	7.795	168	8697	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	15928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	19334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8360	121.599	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 243.200%#	
35) Dibromofluoromethane	7.722	113	4630	54.898	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.800%	
50) Toluene-d8	10.179	98	20173	70.839	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 141.680%#	
62) 4-Bromofluorobenzene	12.483	95	9834	82.714	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 165.420%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	1088	9.203	ug/l	# 89
39) Methylcyclohexane	9.179	83	1268	7.239	ug/l	# 88
67) Ethyl Benzene	11.587	91	2695	3.812	ug/l	98
68) m/p-Xylenes	11.697	106	2559	9.155	ug/l	89
69) o-Xylene	12.026	106	1181	4.423	ug/l	89
73) Isopropylbenzene	12.331	105	4942	6.263	ug/l	98
78) n-propylbenzene	12.672	91	16506	17.877	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	3697	5.390	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	19770	29.227	ug/l	94
85) sec-Butylbenzene	13.251	105	7403	8.698	ug/l	# 72
86) p-Isopropyltoluene	13.367	119	2987	4.017	ug/l	93
89) n-Butylbenzene	13.696	91	12947	20.090	ug/l	# 81

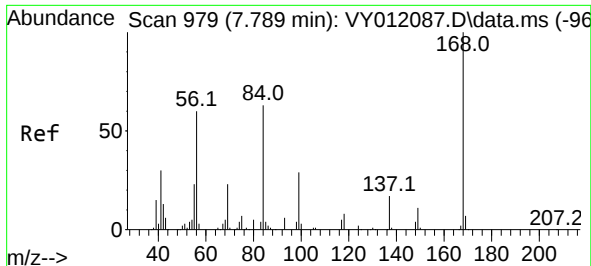
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
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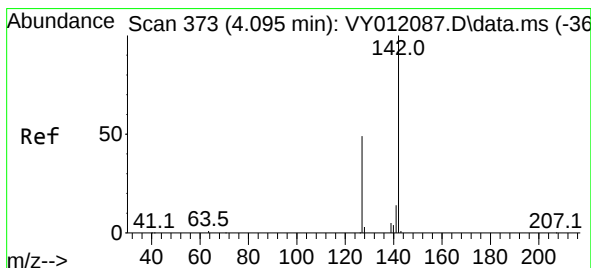
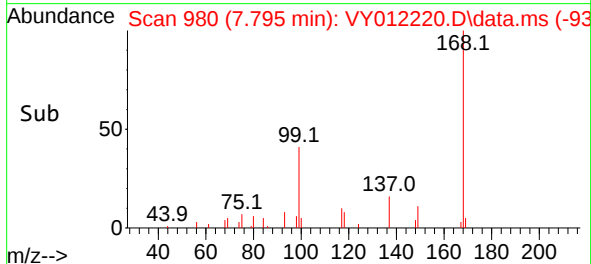
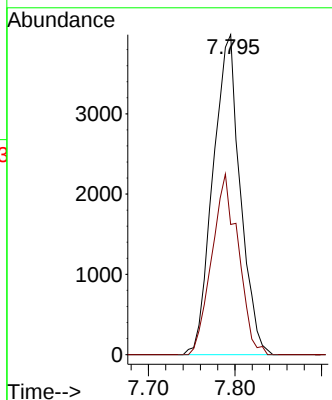
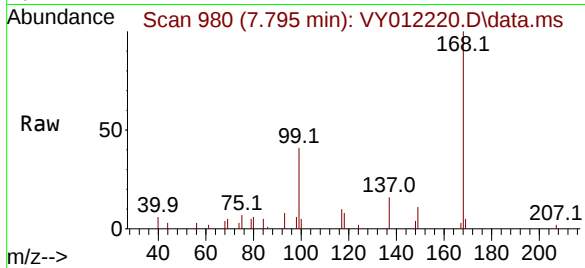




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

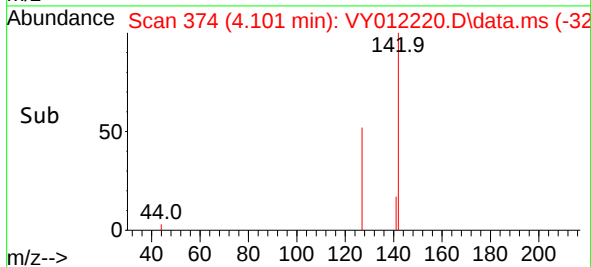
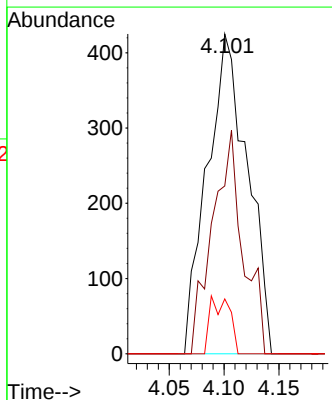
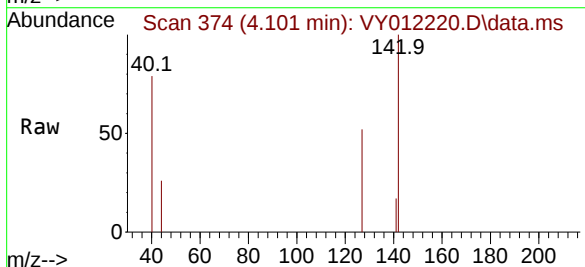
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

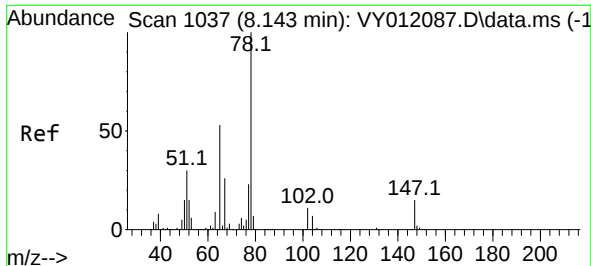
Tgt Ion:168 Resp: 8697
Ion Ratio Lower Upper
168 100
99 40.7 44.0 66.0#



#10
Methyl Iodide
Concen: 9.203 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Tgt Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
127 52.9 37.0 55.4
141 8.6 11.4 17.0#

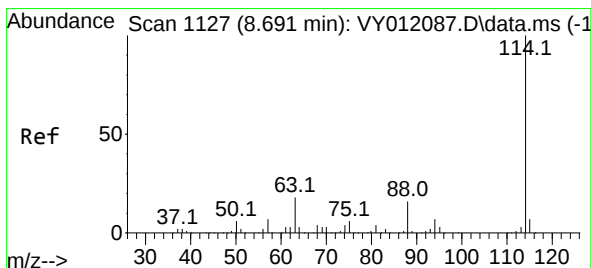
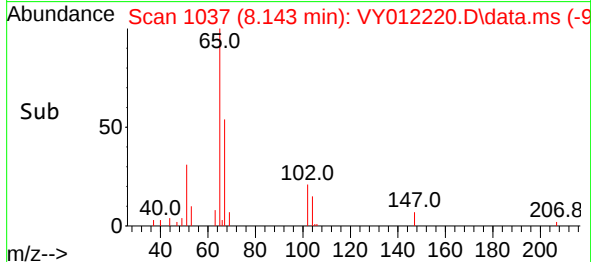
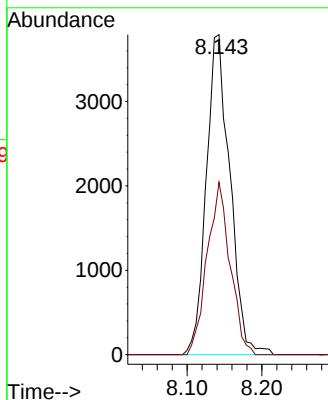
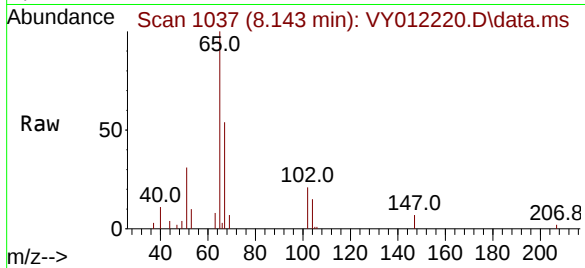




#33
 1,2-Dichloroethane-d4
 Concen: 121.599 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012220.D
 Acq: 17 Jan 2023 13:26

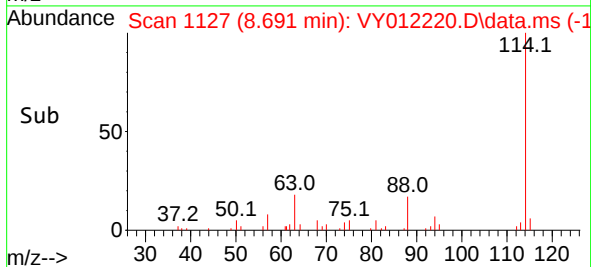
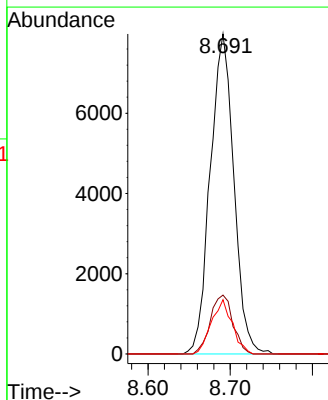
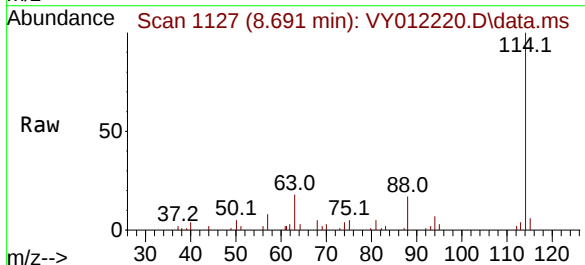
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-011623

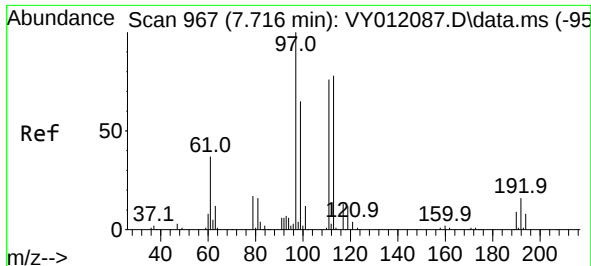
Tgt Ion: 65 Resp: 8360
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012220.D
 Acq: 17 Jan 2023 13:26

Tgt Ion: 114 Resp: 15928
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 16.9 0.0 32.2

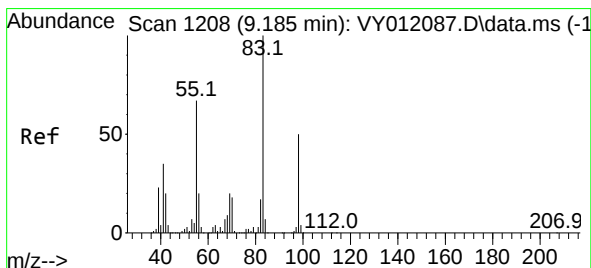
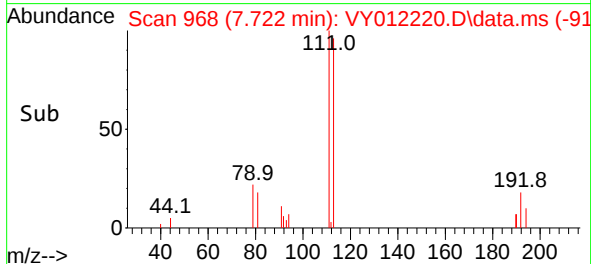
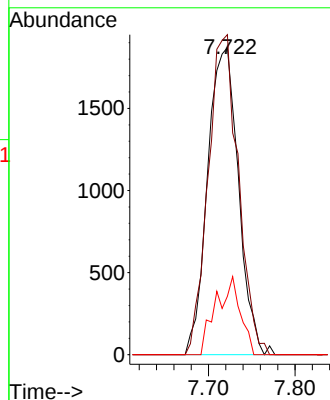
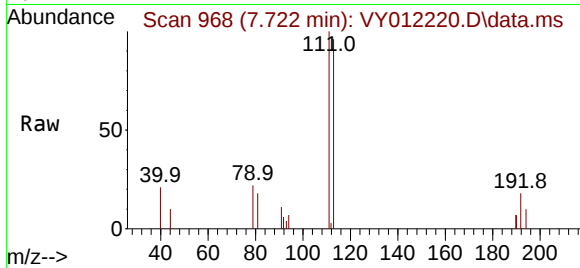




#35
Dibromofluoromethane
Concen: 54.898 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

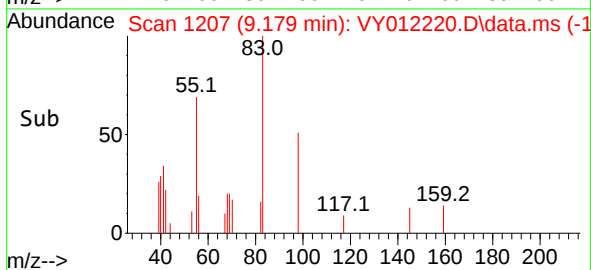
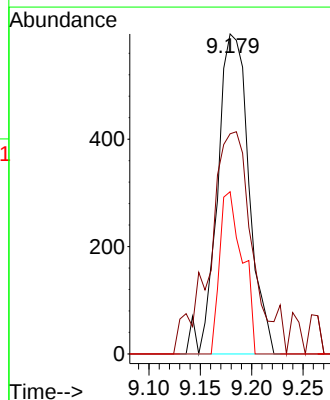
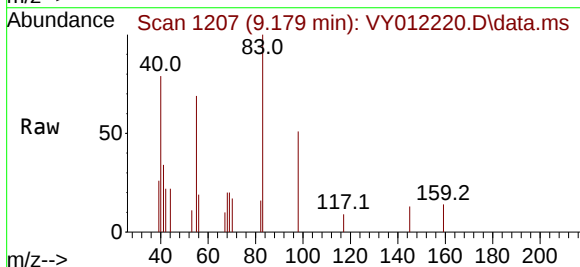
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

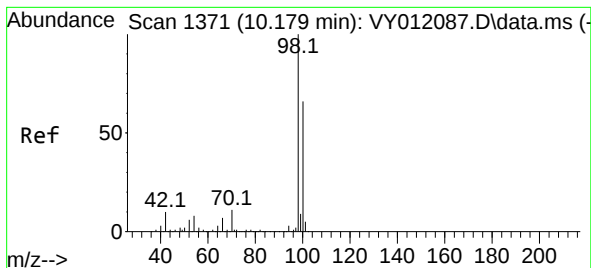
Tgt Ion:113 Resp: 4630
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 20.1 16.0 24.0



#39
Methylcyclohexane
Concen: 7.239 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Tgt Ion: 83 Resp: 1268
Ion Ratio Lower Upper
83 100
55 57.9 58.2 87.2#
98 50.7 38.6 58.0

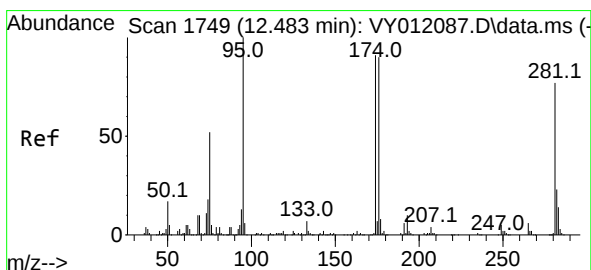
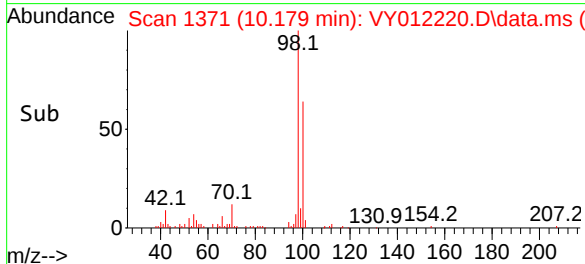
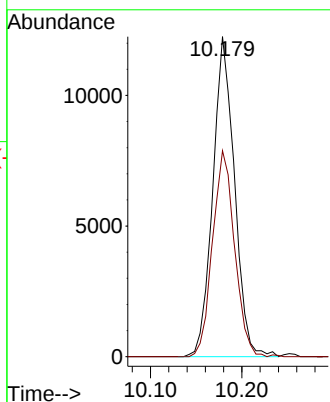
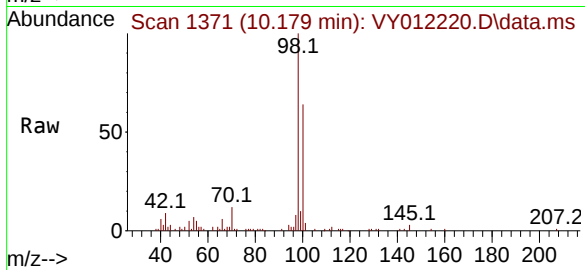




#50
Toluene-d8
Concen: 70.839 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

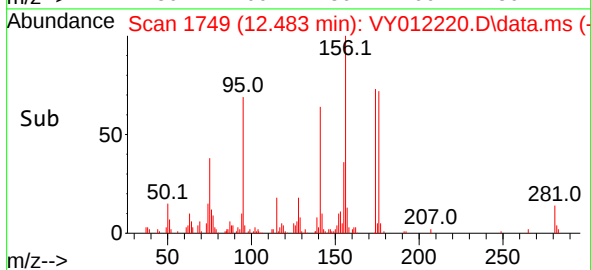
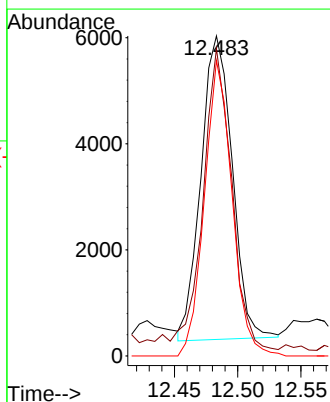
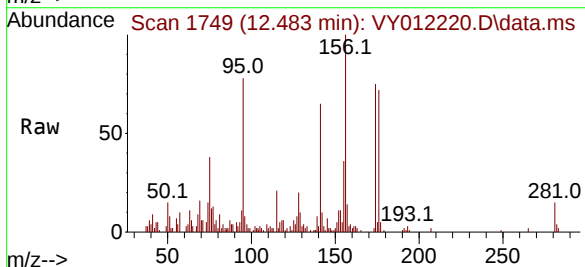
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

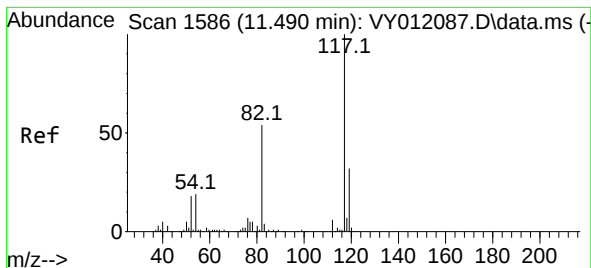
Tgt Ion: 98 Resp: 20173
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 82.714 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Tgt Ion: 95 Resp: 9834
Ion Ratio Lower Upper
95 100
174 91.6 0.0 172.0
176 86.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012220.D

Acq: 17 Jan 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-011623

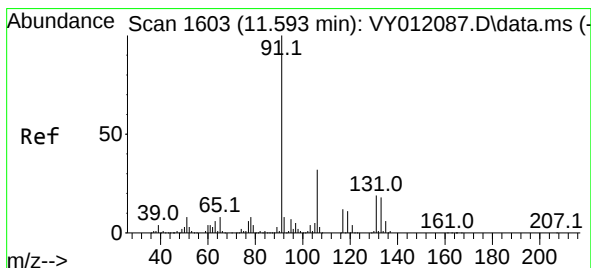
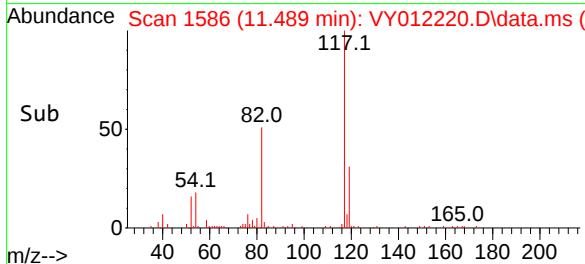
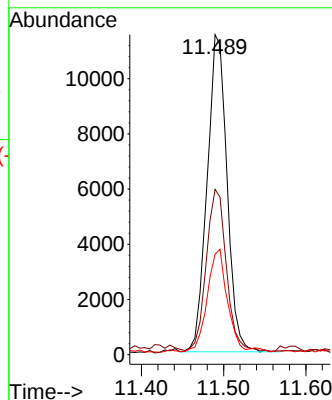
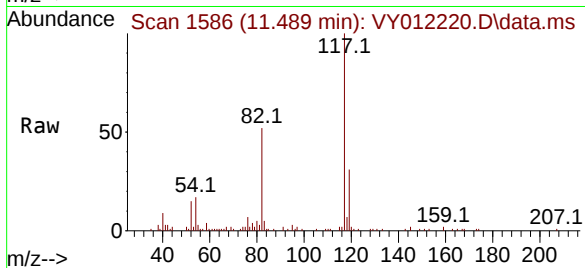
Tgt Ion:117 Resp: 19334

Ion Ratio Lower Upper

117 100

82 50.4 44.8 67.2

119 30.7 25.4 38.2



#67

Ethyl Benzene

Concen: 3.812 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY012220.D

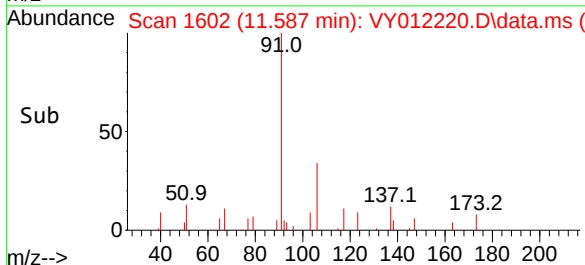
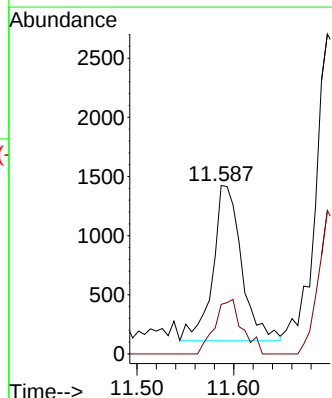
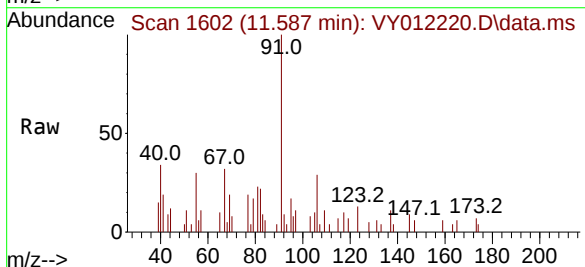
Acq: 17 Jan 2023 13:26

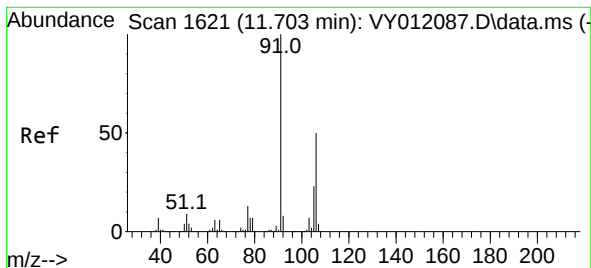
Tgt Ion: 91 Resp: 2695

Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.4

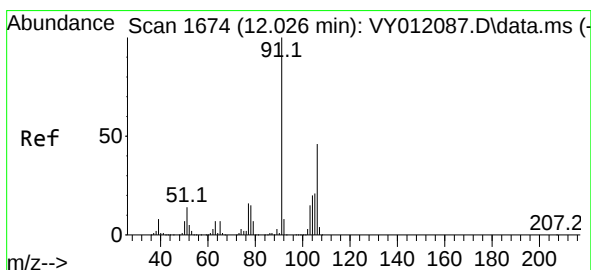
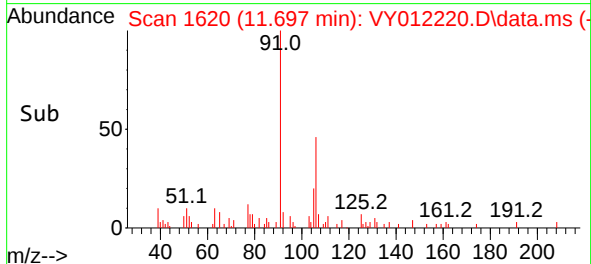
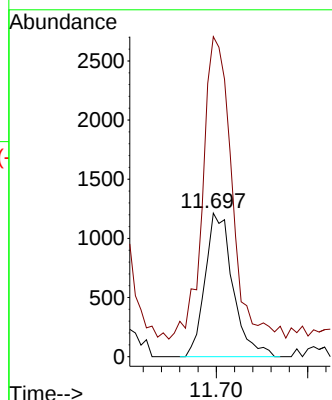
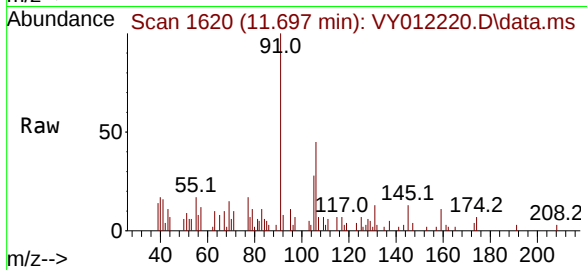




#68
m/p-Xylenes
Concen: 9.155 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

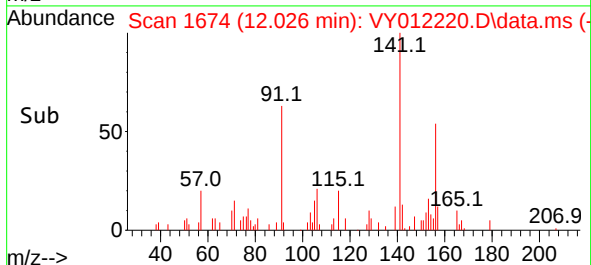
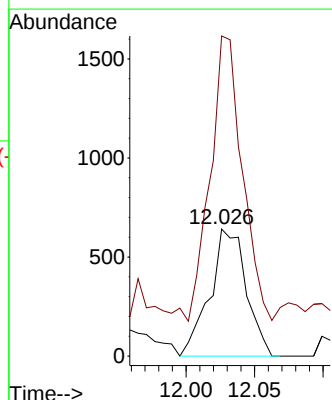
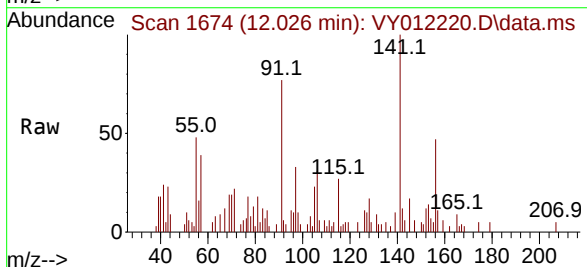
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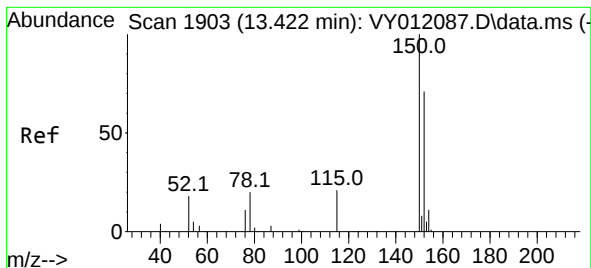
Tgt Ion:106 Resp: 2559
Ion Ratio Lower Upper
106 100
91 219.6 162.5 243.7



#69
o-Xylene
Concen: 4.423 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Tgt Ion:106 Resp: 1181
Ion Ratio Lower Upper
106 100
91 197.9 107.5 322.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012220.D

Acq: 17 Jan 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-011623

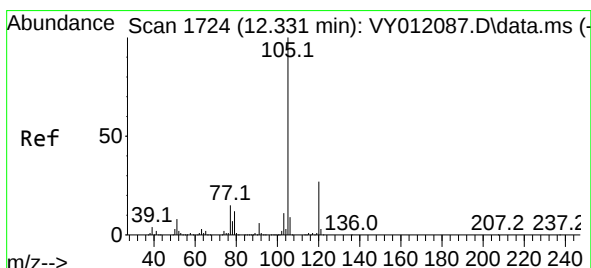
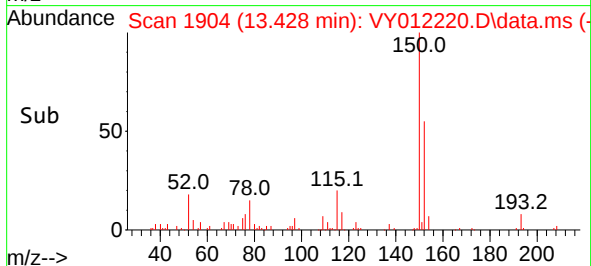
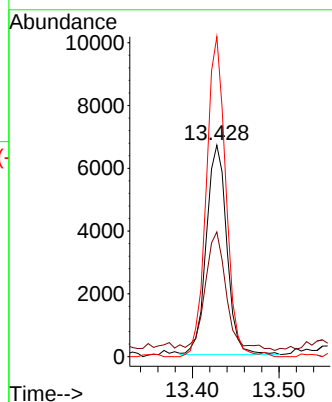
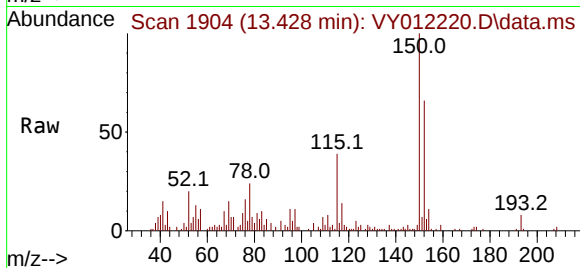
Tgt Ion:152 Resp: 10942

Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

150 146.1 0.0 342.6



#73

Isopropylbenzene

Concen: 6.263 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY012220.D

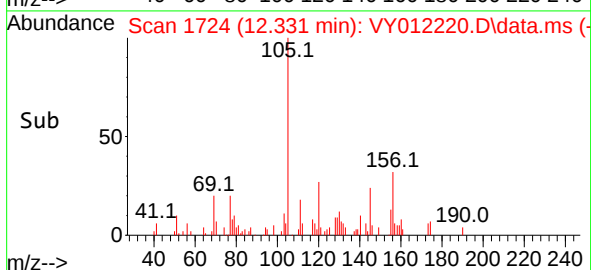
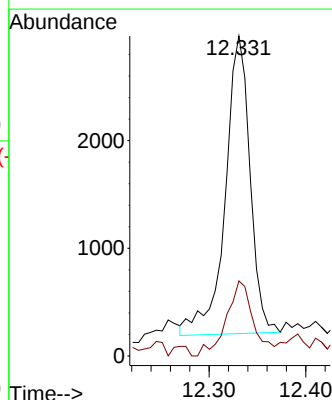
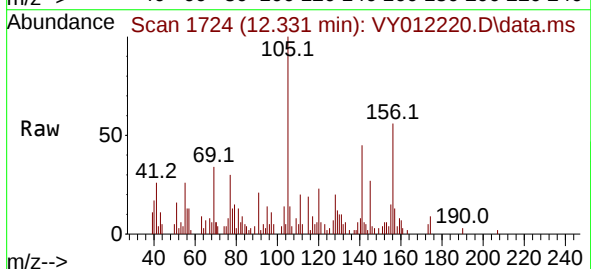
Acq: 17 Jan 2023 13:26

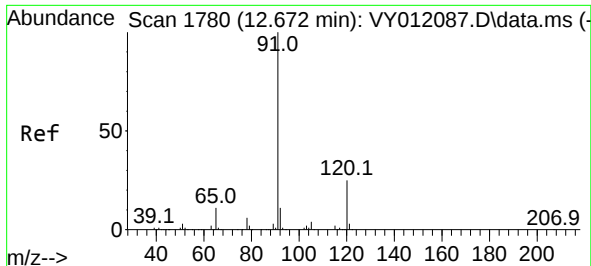
Tgt Ion:105 Resp: 4942

Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6

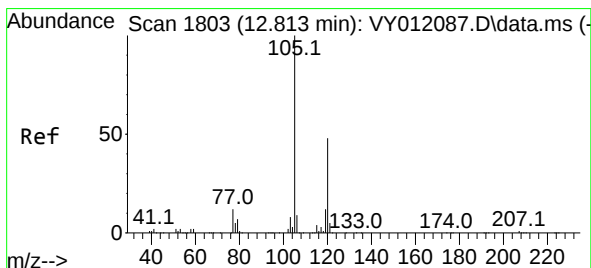
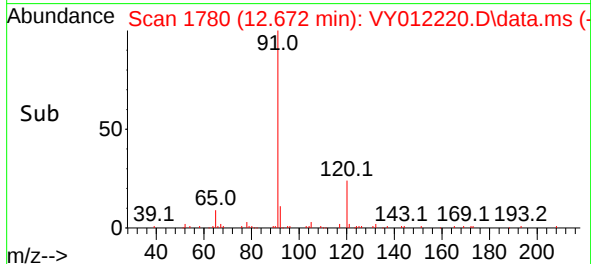
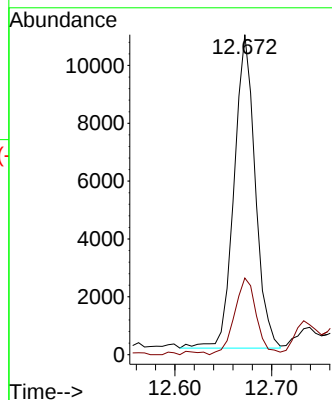
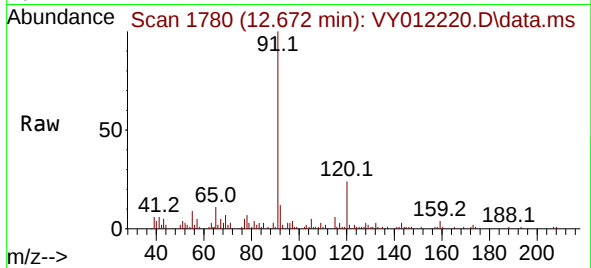




#78
n-propylbenzene
Concen: 17.877 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

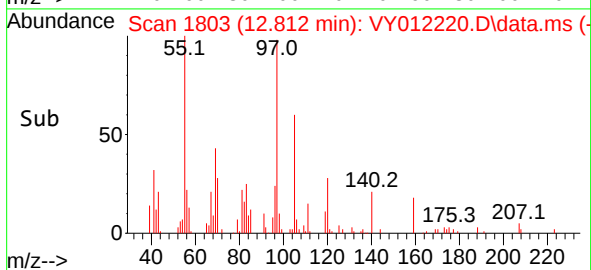
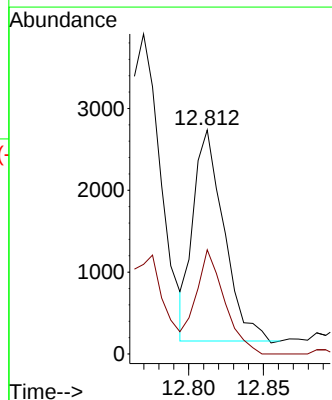
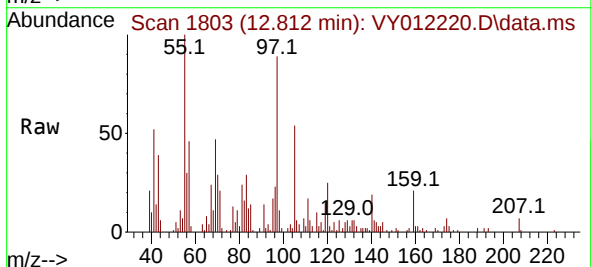
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

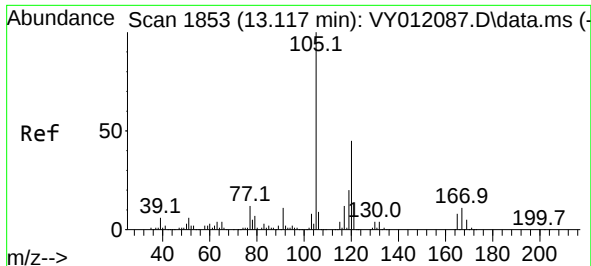
Tgt Ion: 91 Resp: 16506
Ion Ratio Lower Upper
91 100
120 25.2 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 5.390 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Tgt Ion: 105 Resp: 3697
Ion Ratio Lower Upper
105 100
120 46.3 24.2 72.6





#84

1,2,4-Trimethylbenzene

Concen: 29.227 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY012220.D

Acq: 17 Jan 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :

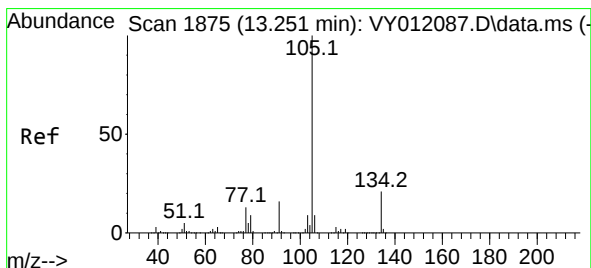
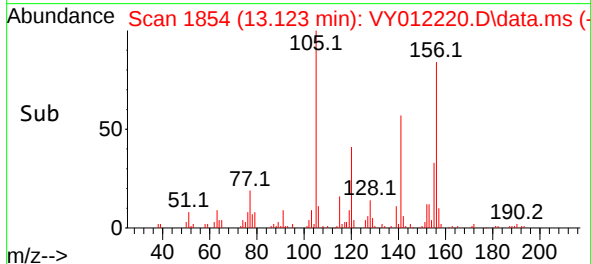
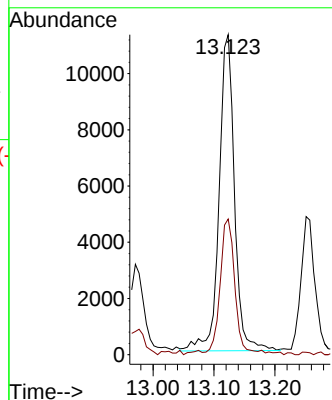
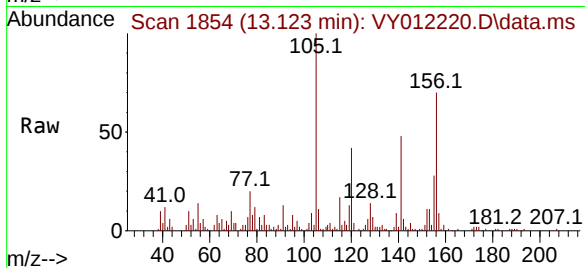
EO-3-011623

Tgt Ion:105 Resp: 19770

Ion Ratio Lower Upper

105 100

120 41.8 22.9 68.7



#85

sec-Butylbenzene

Concen: 8.698 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012220.D

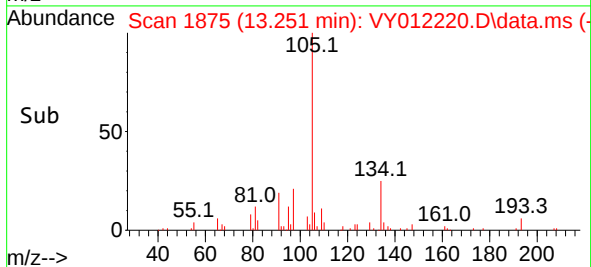
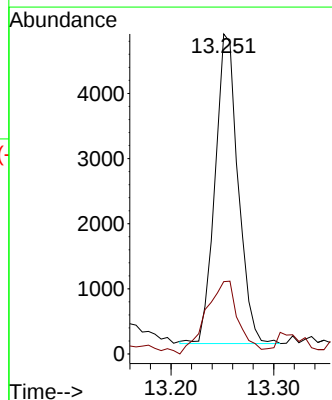
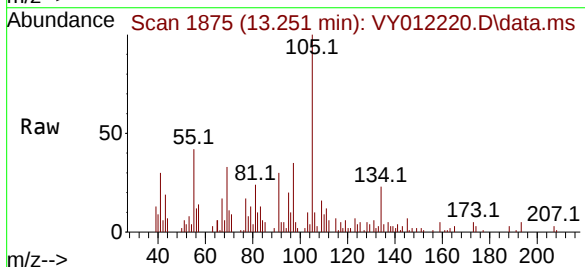
Acq: 17 Jan 2023 13:26

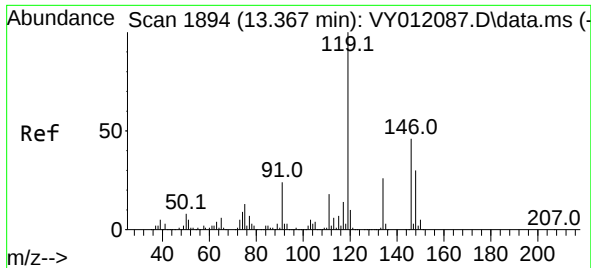
Tgt Ion:105 Resp: 7403

Ion Ratio Lower Upper

105 100

134 33.0 10.1 30.3#

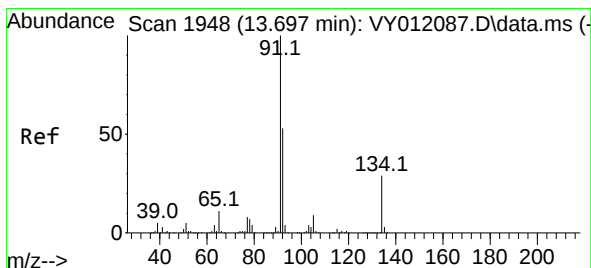
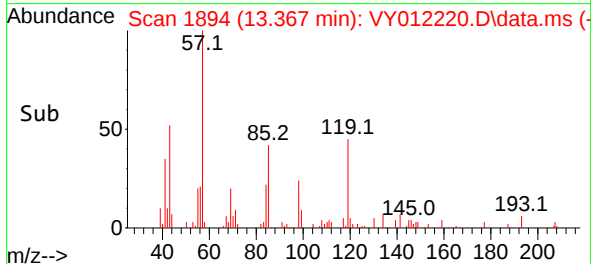
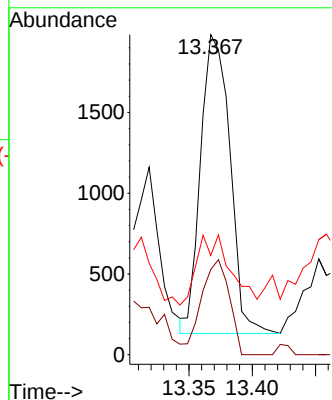
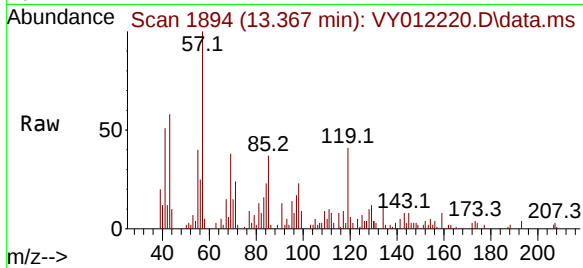




#86
p-Isopropyltoluene
Concen: 4.017 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

Tgt Ion:	119	Resp:	2987
Ion	Ratio	Lower	Upper
119	100		
134	30.3	13.0	39.0
91	26.4	11.9	35.9



#89
n-Butylbenzene
Concen: 20.090 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012220.D
Acq: 17 Jan 2023 13:26

Tgt Ion:	91	Resp:	12947
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.8	80.4
134	0.0	13.3	39.8

