

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021870.D
 Acq On : 14 Apr 2025 15:26
 Operator : SY/MD
 Sample : Q1784-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-01-41125

Quant Time: Apr 14 23:31:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

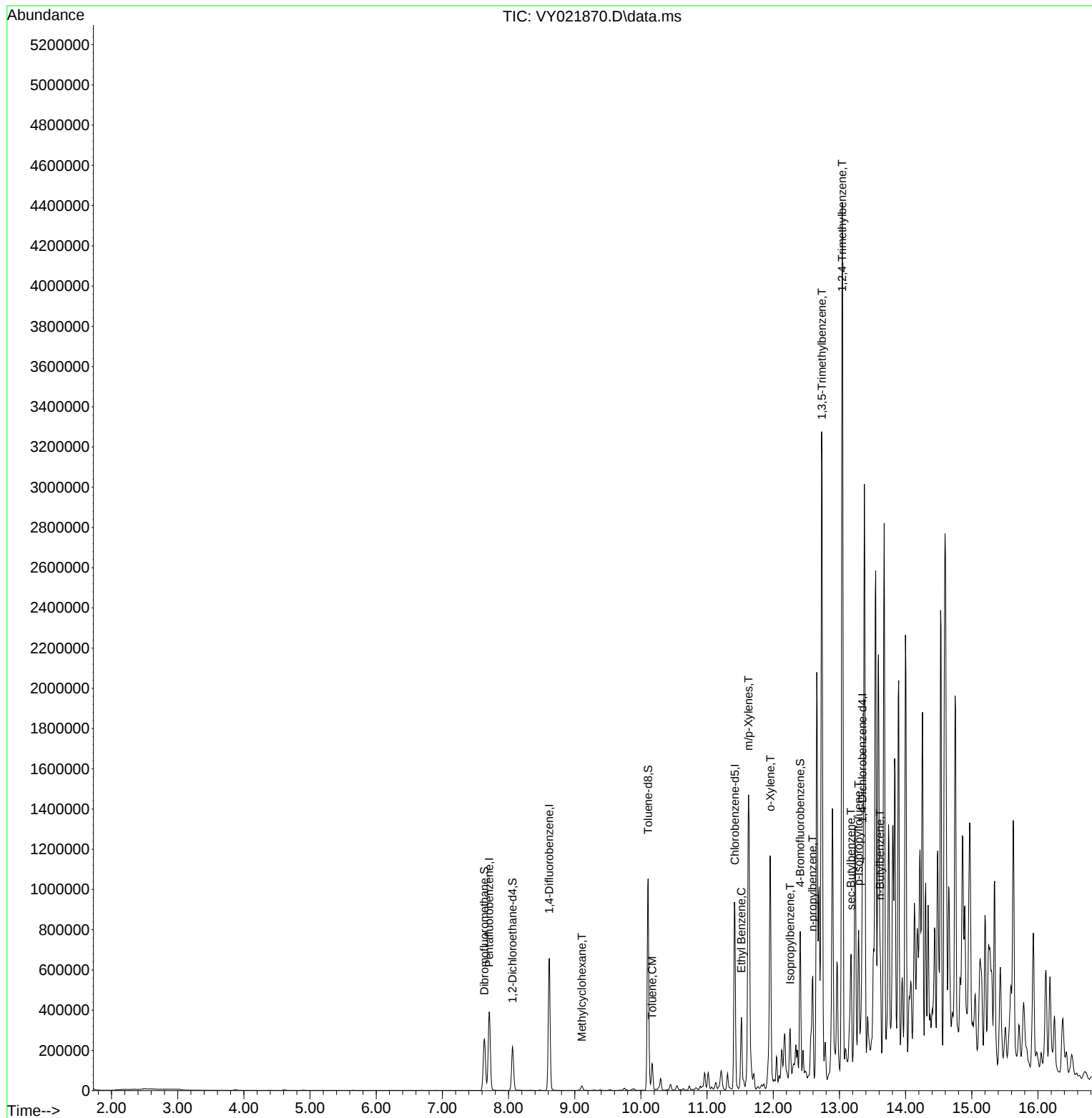
Internal Standards						
1) Pentafluorobenzene	7.707	168	295671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	536095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	493540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168192	52.502	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.000%	
35) Dibromofluoromethane	7.634	113	181225	52.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.220%	
50) Toluene-d8	10.109	98	652344	49.309	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	12.407	95	219972	49.157	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.320%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.109	83	7925	1.252	ug/l	96
52) Toluene	10.170	92	54503	5.507	ug/l	95
67) Ethyl Benzene	11.517	91	226636	11.682	ug/l	99
68) m/p-Xylenes	11.627	106	384772	51.794	ug/l	99
69) o-Xylene	11.956	106	290354	42.341	ug/l	98
73) Isopropylbenzene	12.255	105	151852	9.912	ug/l	100
78) n-propylbenzene	12.596	91	383650	20.829	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	847933	67.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	2213851	178.891	ug/l	99
85) sec-Butylbenzene	13.176	105	320362	19.656	ug/l	87
86) p-Isopropyltoluene	13.291	119	241739	17.946	ug/l	100
89) n-Butylbenzene	13.614	91	226625	18.191	ug/l #	71

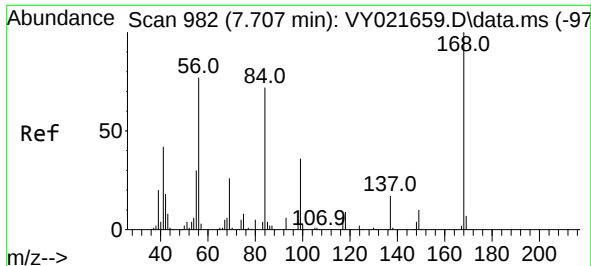
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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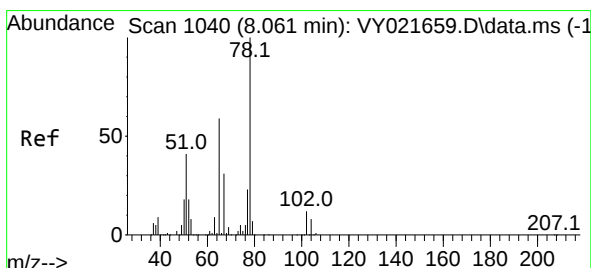
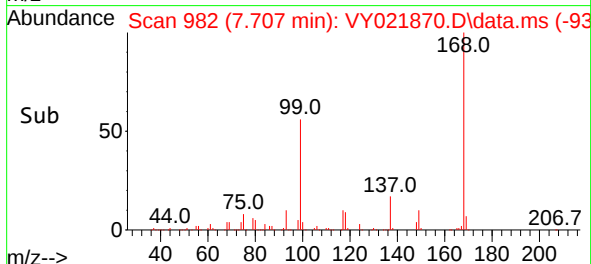
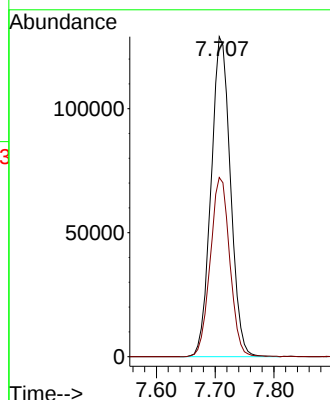
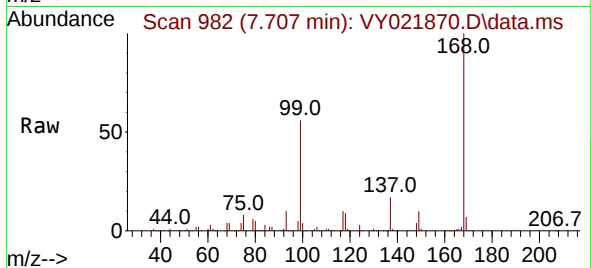




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021870.D
Acq: 14 Apr 2025 15:26

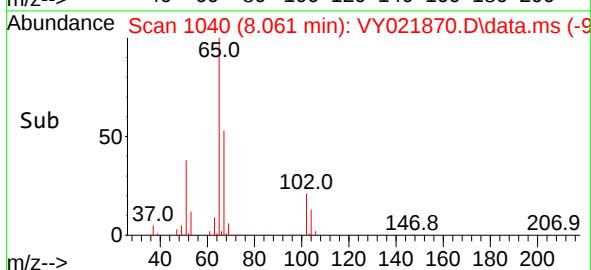
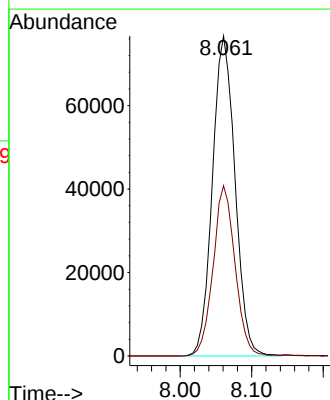
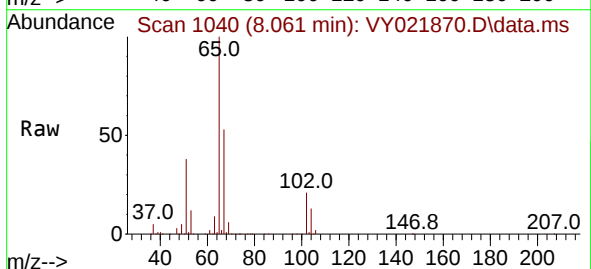
Instrument :
MSVOA_Y
ClientSampleId :
OR-01-41125

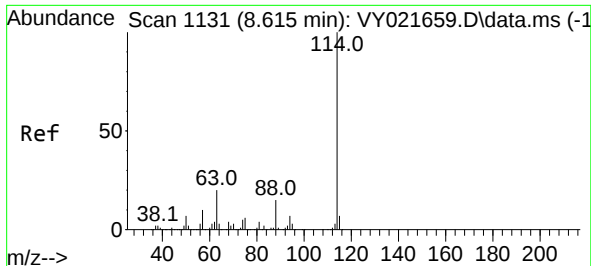
Tgt Ion:168 Resp: 295671
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.502 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021870.D
Acq: 14 Apr 2025 15:26

Tgt Ion: 65 Resp: 168192
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021870.D

Acq: 14 Apr 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

OR-01-41125

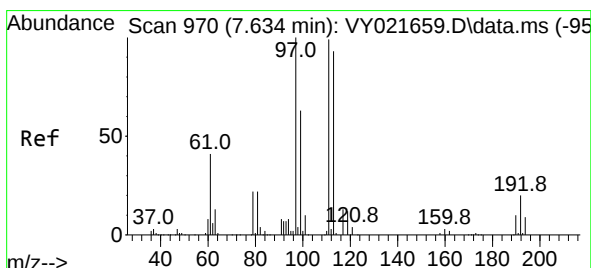
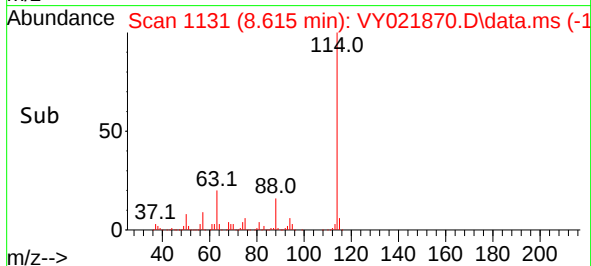
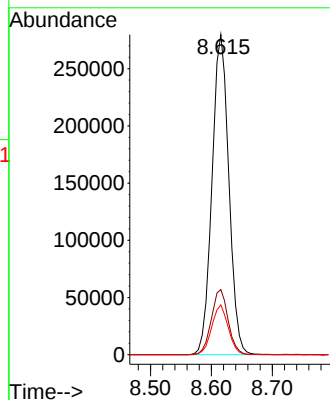
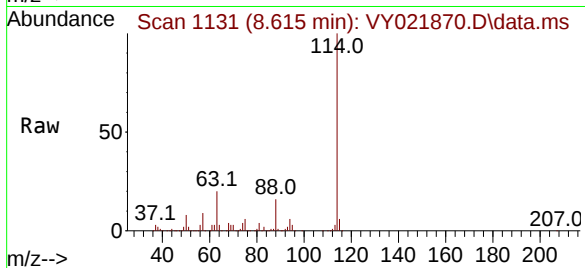
Tgt Ion:114 Resp: 536095

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.113 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021870.D

Acq: 14 Apr 2025 15:26

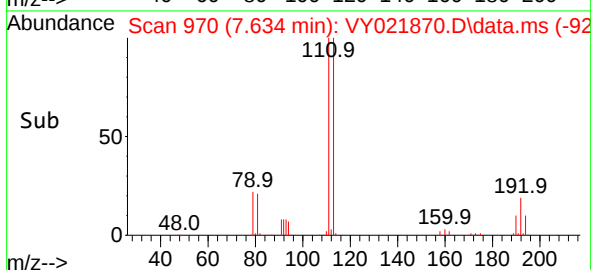
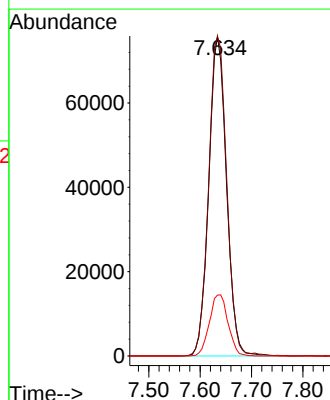
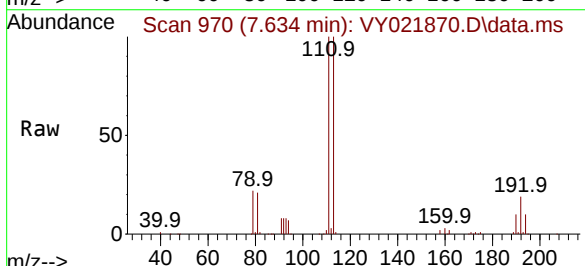
Tgt Ion:113 Resp: 181225

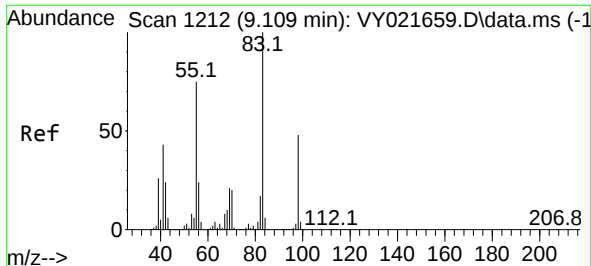
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 20.1 16.2 24.4





#39

Methylcyclohexane

Concen: 1.252 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021870.D

Acq: 14 Apr 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

OR-01-41125

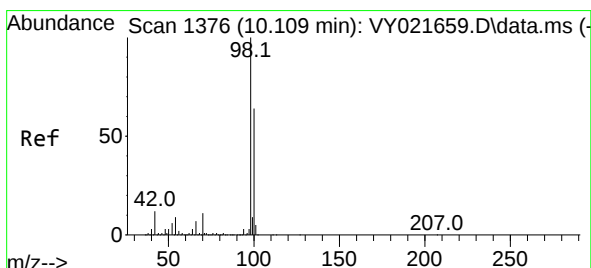
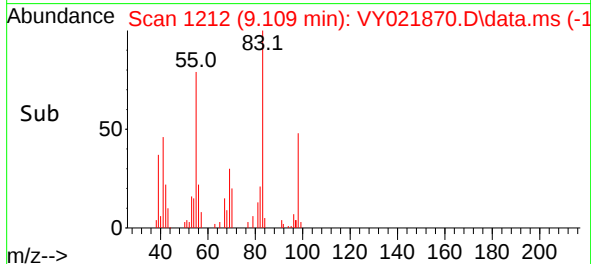
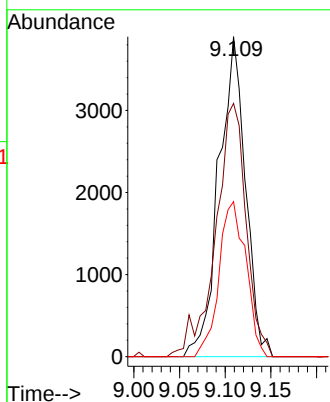
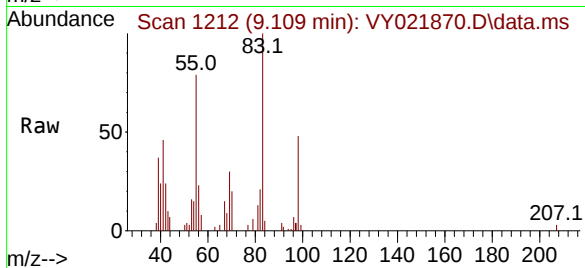
Tgt Ion: 83 Resp: 7925

Ion Ratio Lower Upper

83 100

55 79.1 59.7 89.5

98 48.5 38.3 57.5



#50

Toluene-d8

Concen: 49.309 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021870.D

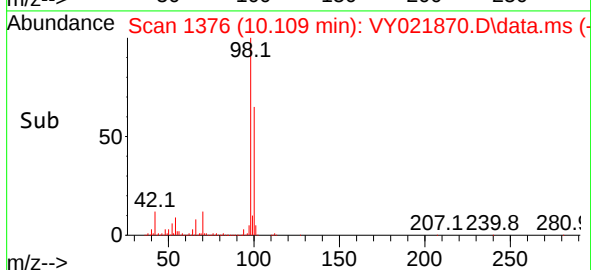
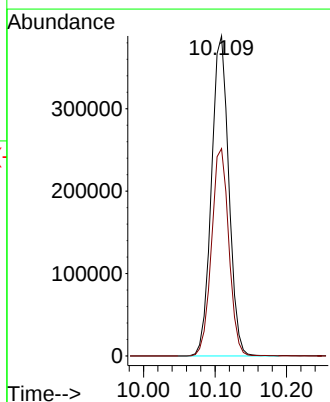
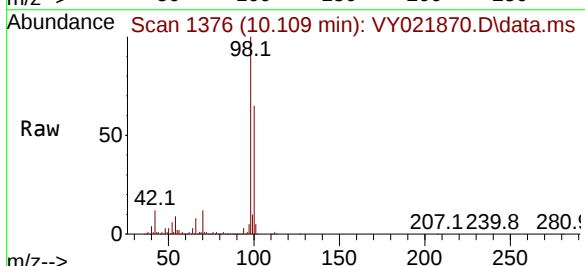
Acq: 14 Apr 2025 15:26

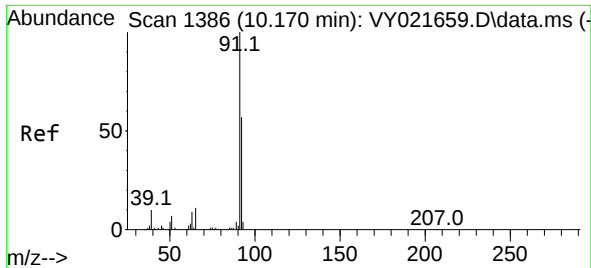
Tgt Ion: 98 Resp: 652344

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1

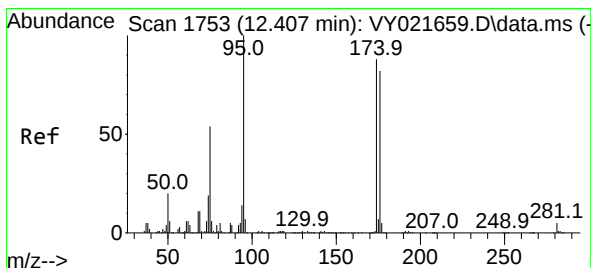
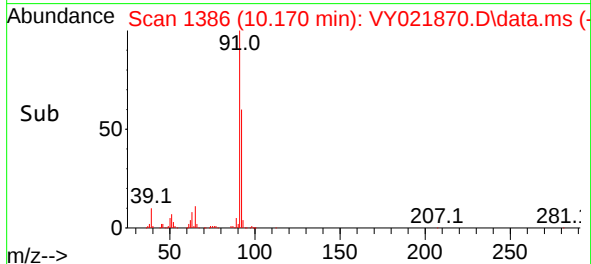
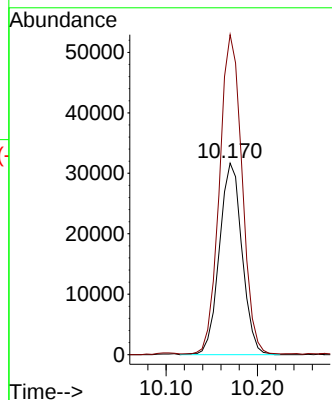
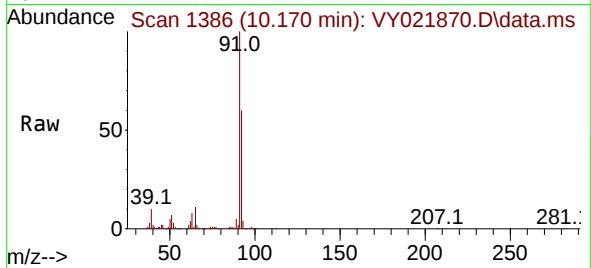




#52
Toluene
Concen: 5.507 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021870.D
Acq: 14 Apr 2025 15:26

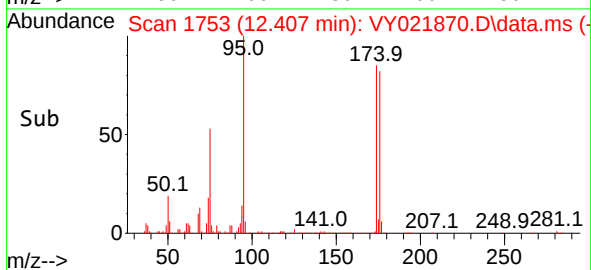
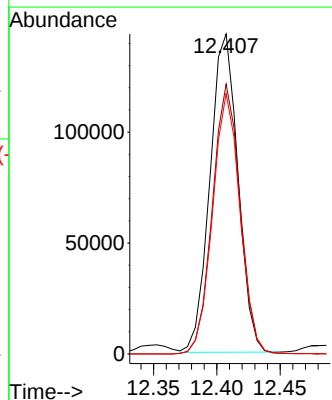
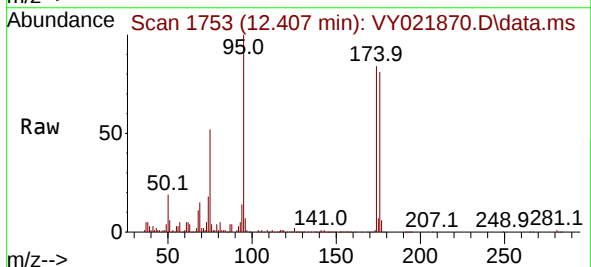
Instrument :
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ClientSampleId :
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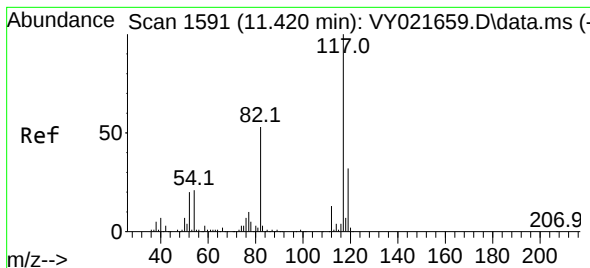
Tgt Ion: 92 Resp: 54503
Ion Ratio Lower Upper
92 100
91 165.9 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 49.157 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021870.D
Acq: 14 Apr 2025 15:26

Tgt Ion: 95 Resp: 219972
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021870.D

Acq: 14 Apr 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

OR-01-41125

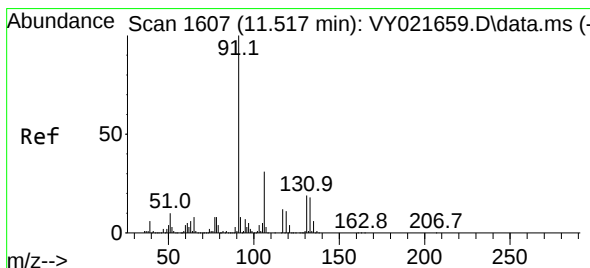
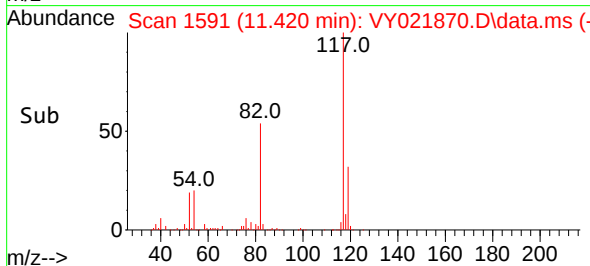
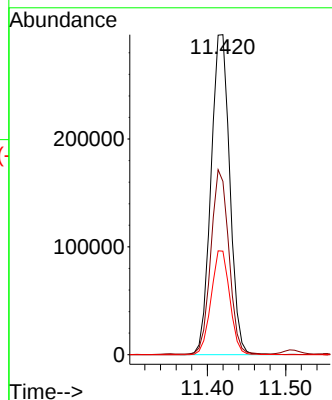
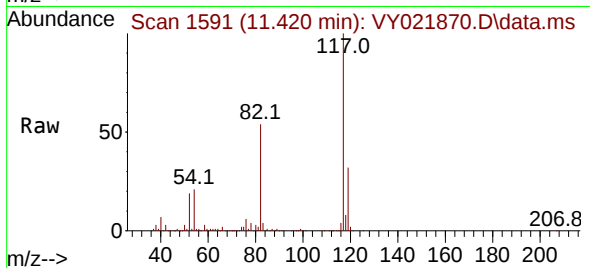
Tgt Ion:117 Resp: 493540

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

119 32.4 25.7 38.5



#67

Ethyl Benzene

Concen: 11.682 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021870.D

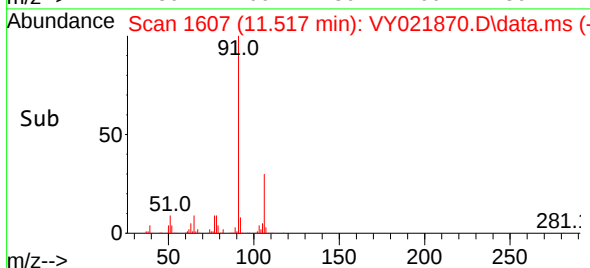
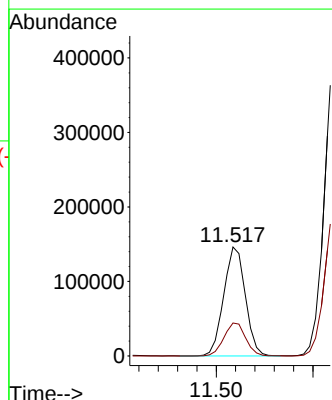
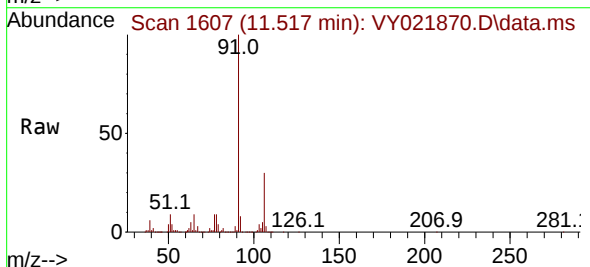
Acq: 14 Apr 2025 15:26

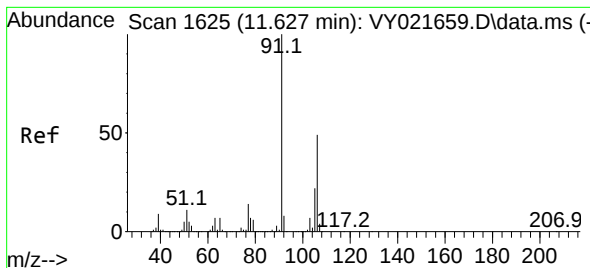
Tgt Ion: 91 Resp: 226636

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8

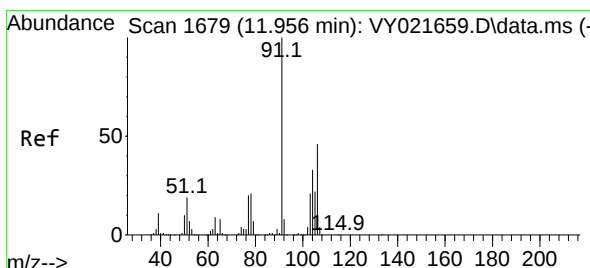
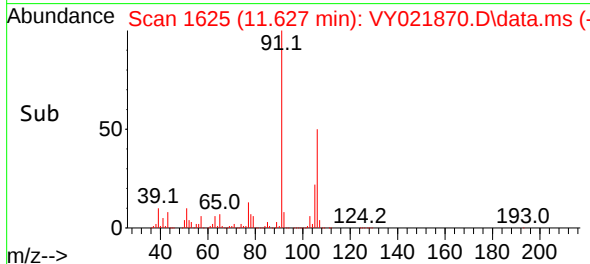
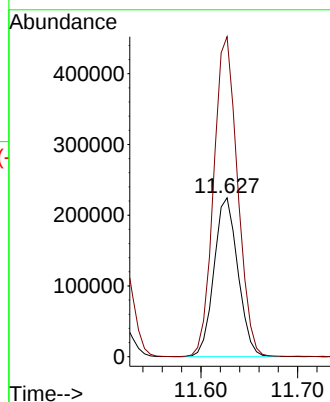
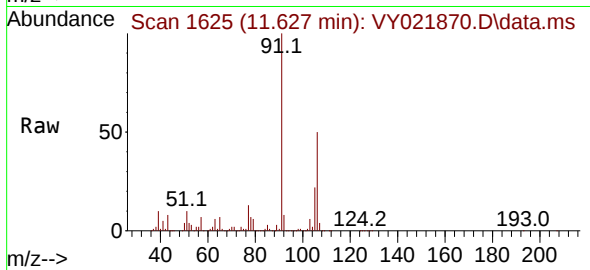




#68
m/p-Xylenes
Concen: 51.794 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021870.D
Acq: 14 Apr 2025 15:26

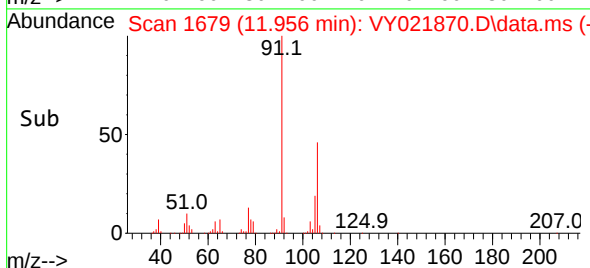
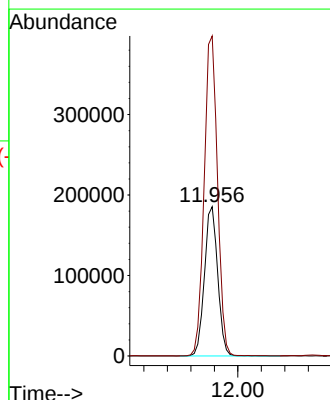
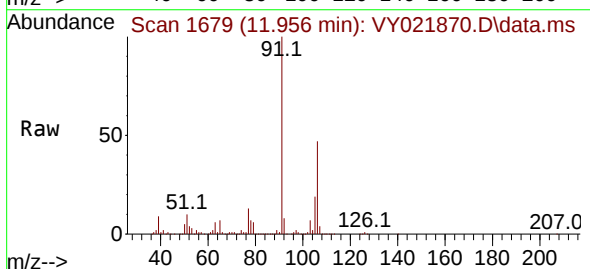
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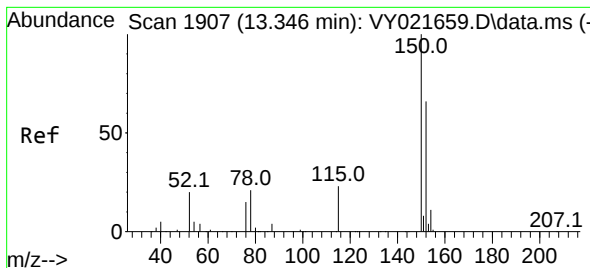
Tgt Ion:106 Resp: 384772
Ion Ratio Lower Upper
106 100
91 201.8 162.4 243.6



#69
o-Xylene
Concen: 42.341 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021870.D
Acq: 14 Apr 2025 15:26

Tgt Ion:106 Resp: 290354
Ion Ratio Lower Upper
106 100
91 216.1 106.7 319.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021870.D

Acq: 14 Apr 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

OR-01-41125

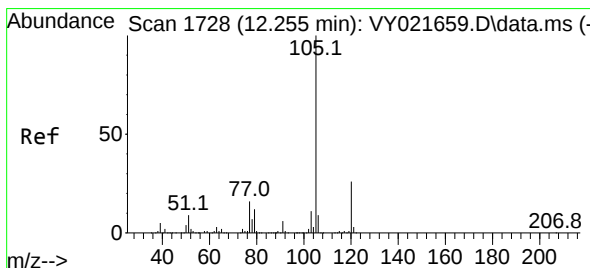
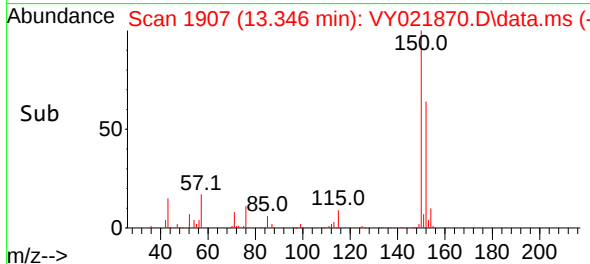
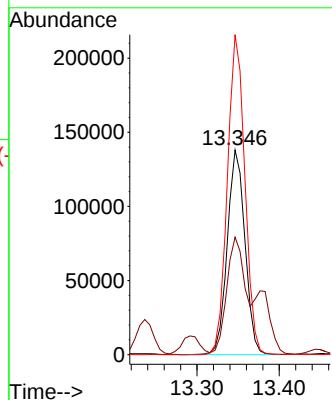
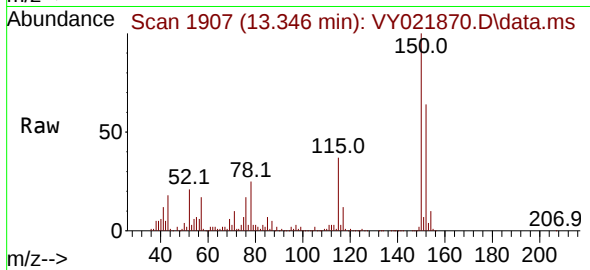
Tgt Ion:152 Resp: 206269

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 154.3 0.0 348.4



#73

Isopropylbenzene

Concen: 9.912 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY021870.D

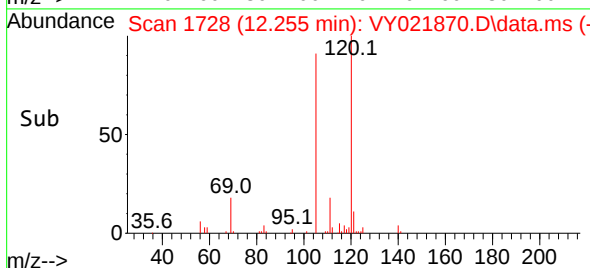
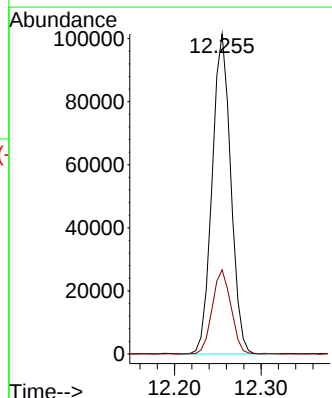
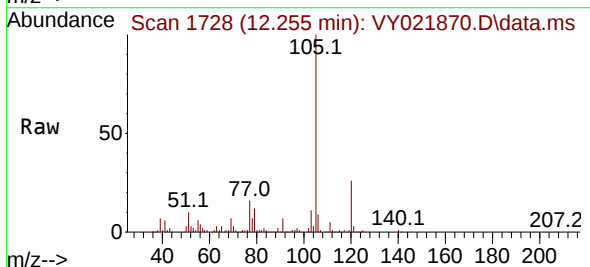
Acq: 14 Apr 2025 15:26

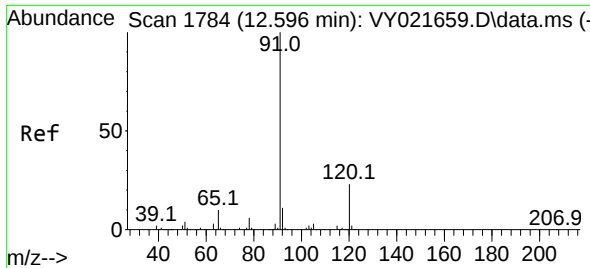
Tgt Ion:105 Resp: 151852

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

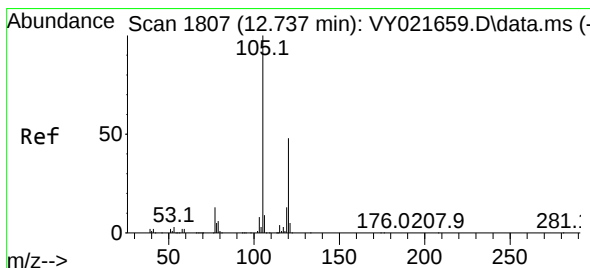
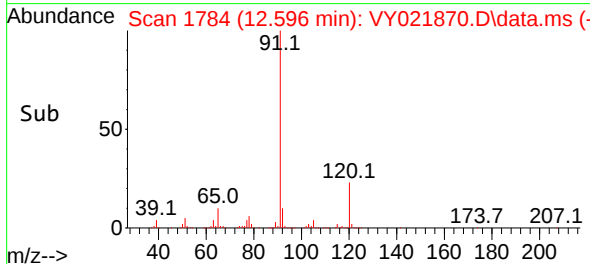
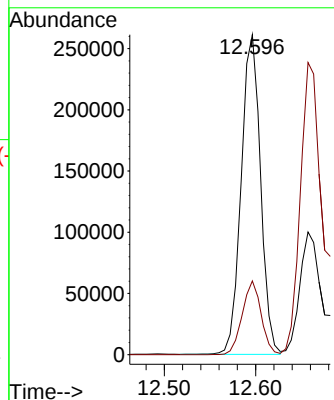
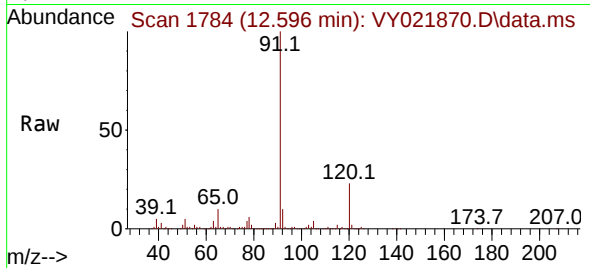




#78
 n-propylbenzene
 Concen: 20.829 ug/l
 RT: 12.596 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY021870.D
 Acq: 14 Apr 2025 15:26

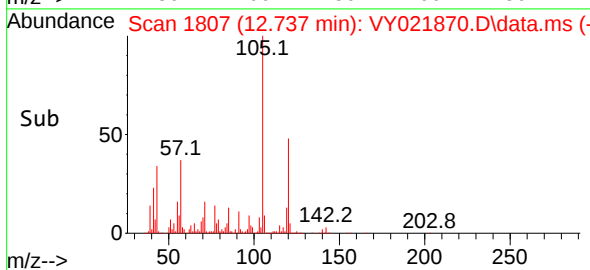
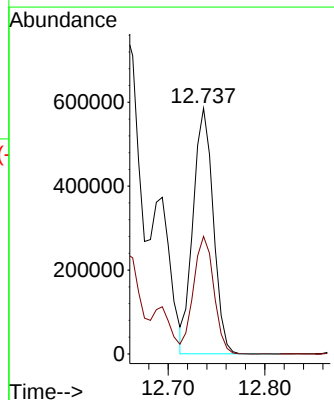
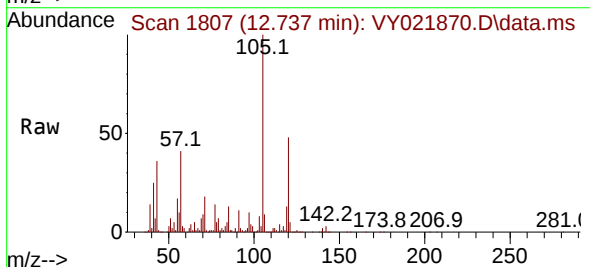
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-01-41125

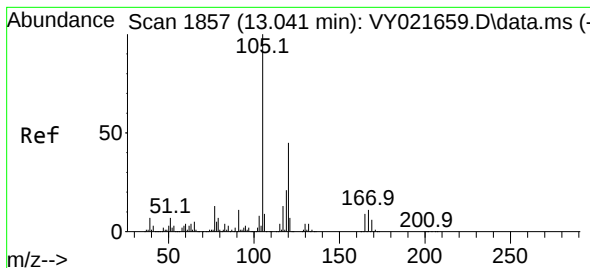
Tgt Ion: 91 Resp: 383650
 Ion Ratio Lower Upper
 91 100
 120 22.5 11.3 33.9



#80
 1,3,5-Trimethylbenzene
 Concen: 67.720 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY021870.D
 Acq: 14 Apr 2025 15:26

Tgt Ion: 105 Resp: 847933
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 178.891 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY021870.D

Acq: 14 Apr 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

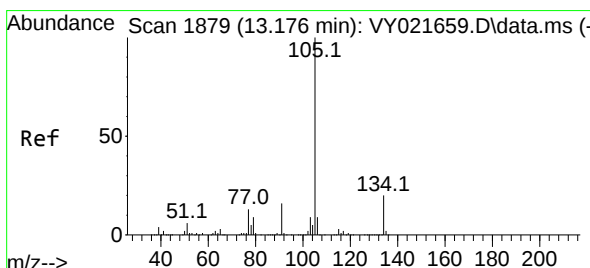
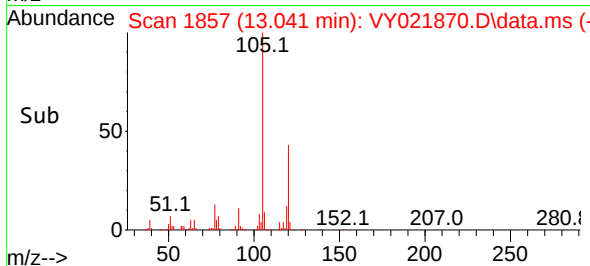
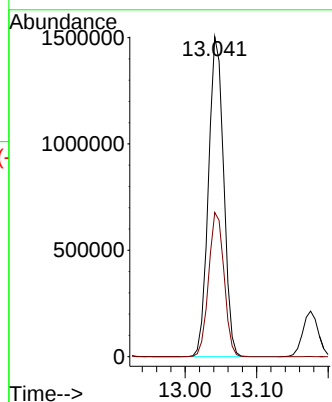
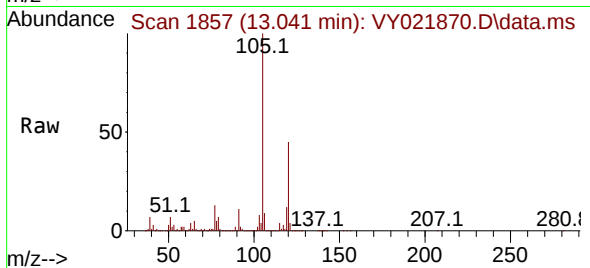
OR-01-41125

Tgt Ion:105 Resp: 2213851

Ion Ratio Lower Upper

105 100

120 45.7 22.7 68.1



#85

sec-Butylbenzene

Concen: 19.656 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021870.D

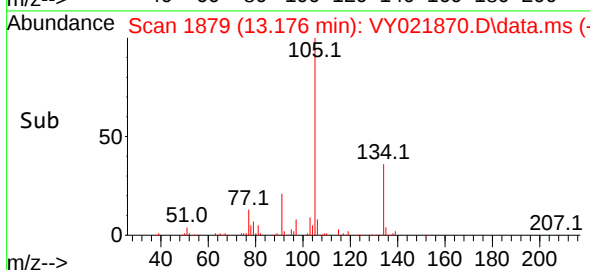
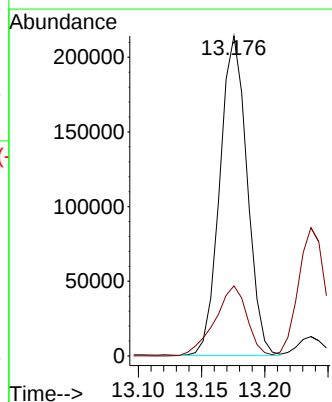
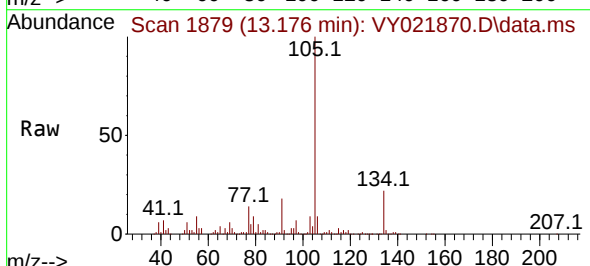
Acq: 14 Apr 2025 15:26

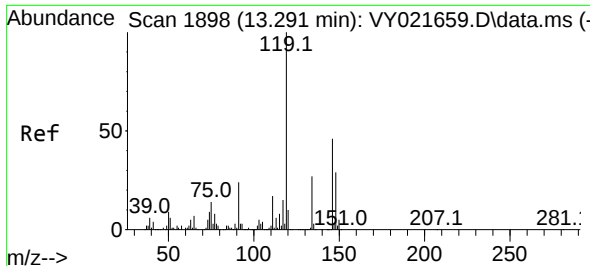
Tgt Ion:105 Resp: 320362

Ion Ratio Lower Upper

105 100

134 25.9 10.1 30.1

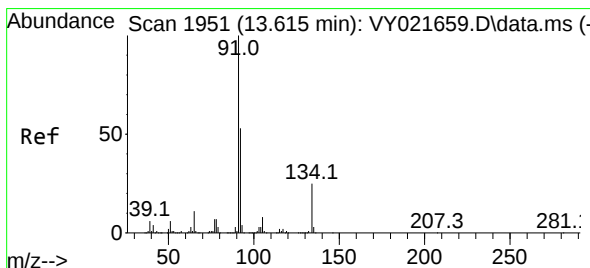
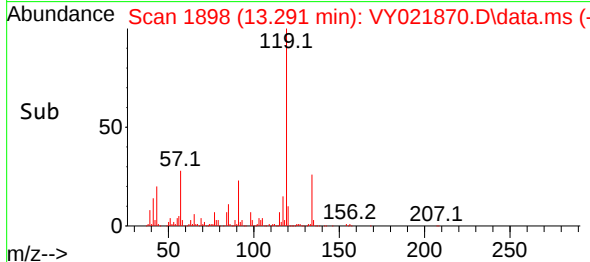
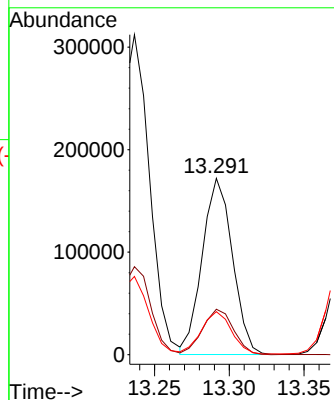
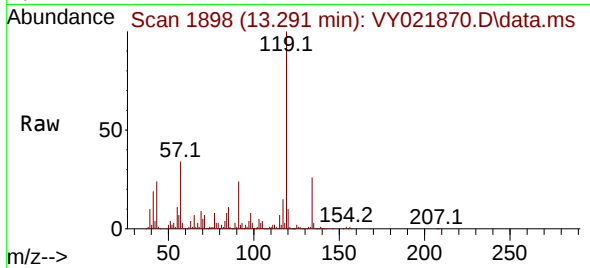




#86
 p-Isopropyltoluene
 Concen: 17.946 ug/l
 RT: 13.291 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VY021870.D
 Acq: 14 Apr 2025 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-01-41125

Tgt Ion:119 Resp: 241739
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.6 12.0 36.0



#89
 n-Butylbenzene
 Concen: 18.191 ug/l
 RT: 13.614 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VY021870.D
 Acq: 14 Apr 2025 15:26

Tgt Ion: 91 Resp: 226625
 Ion Ratio Lower Upper
 91 100
 92 66.3 26.4 79.2
 134 0.0 12.8 38.4#

