

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022343.D
 Acq On : 20 May 2025 15:22
 Operator : SY/MD
 Sample : Q2075-01
 Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-10

Quant Time: May 21 01:50:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

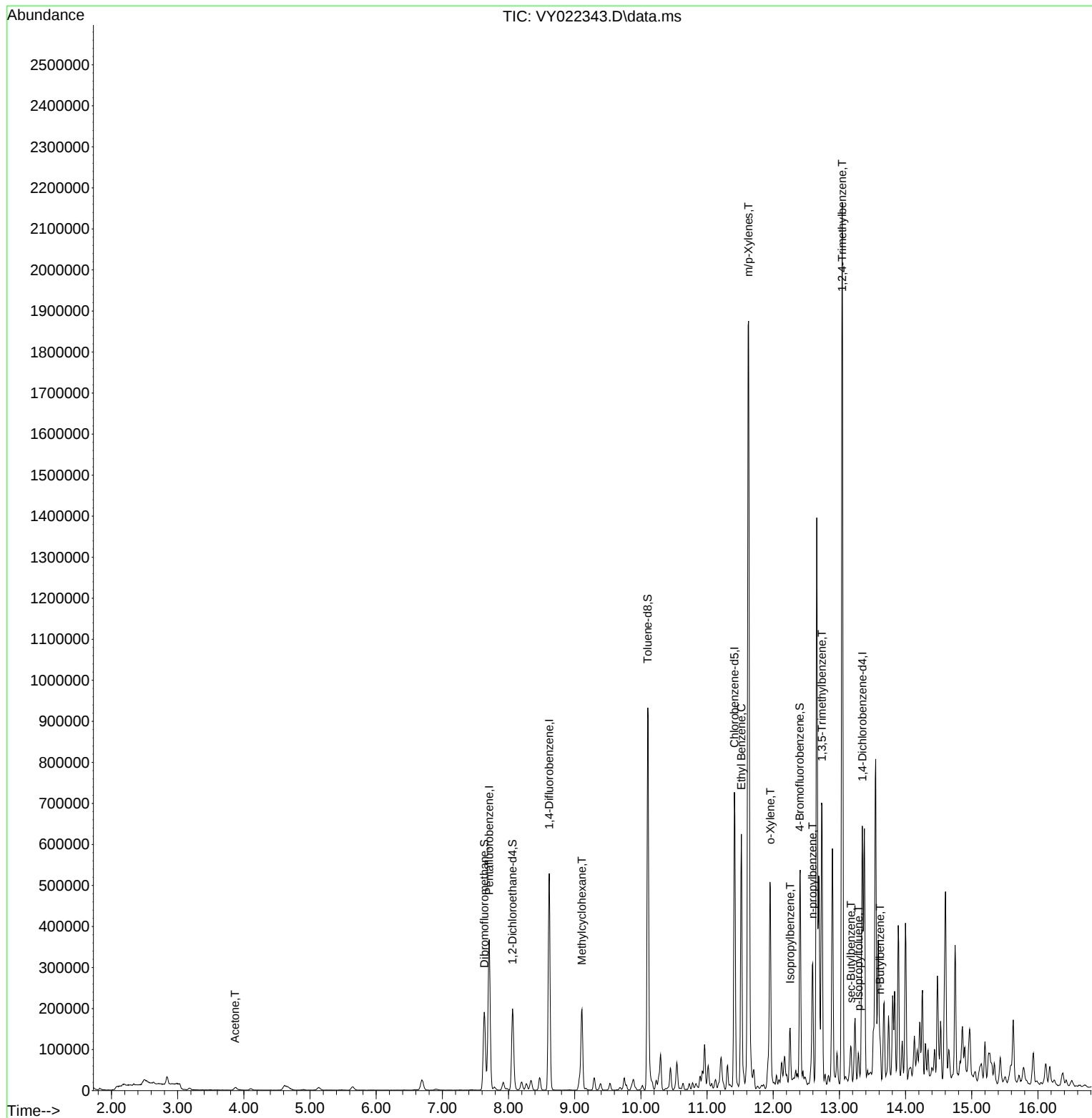
Internal Standards						
1) Pentafluorobenzene	7.707	168	237248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	352723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138286	53.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.660%	
35) Dibromofluoromethane	7.634	113	131771	51.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.720%	
50) Toluene-d8	10.103	98	527709	50.708	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	12.401	95	141599	42.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.860%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	12110	24.908	ug/l	93
39) Methylcyclohexane	9.109	83	83214	14.799	ug/l	98
67) Ethyl Benzene	11.517	91	389483	26.134	ug/l	99
68) m/p-Xylenes	11.627	106	524191	93.342	ug/l	99
69) o-Xylene	11.956	106	120547	22.688	ug/l	96
73) Isopropylbenzene	12.255	105	81195	7.055	ug/l	99
78) n-propylbenzene	12.597	91	224654	16.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	268724	28.923	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1029267	111.599	ug/l	98
85) sec-Butylbenzene	13.176	105	52433	4.277	ug/l	87
86) p-Isopropyltoluene	13.292	119	27391	2.657	ug/l	97
89) n-Butylbenzene	13.615	91	44165	4.528	ug/l #	78

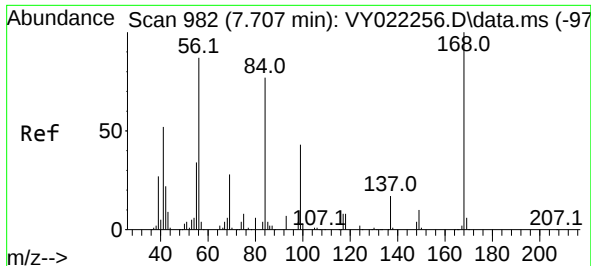
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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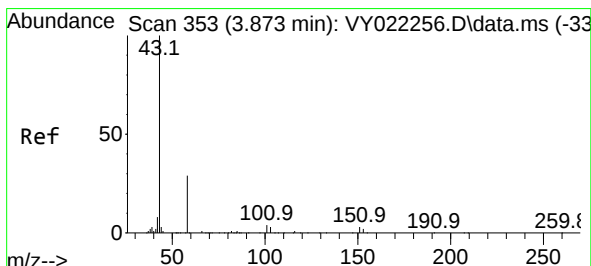
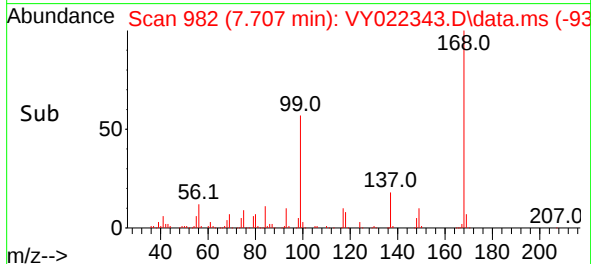
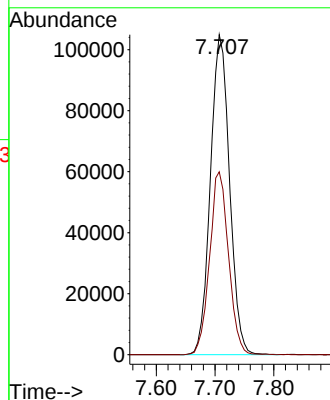
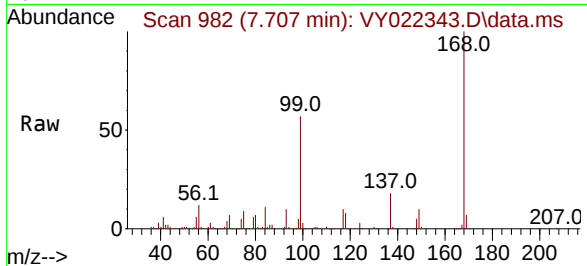




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

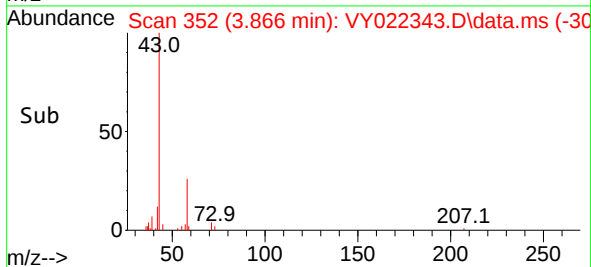
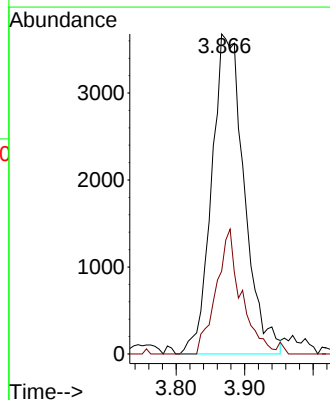
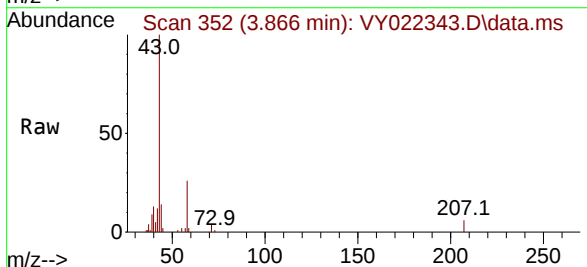
Instrument :
MSVOA_Y
ClientSampleId :
SS-10

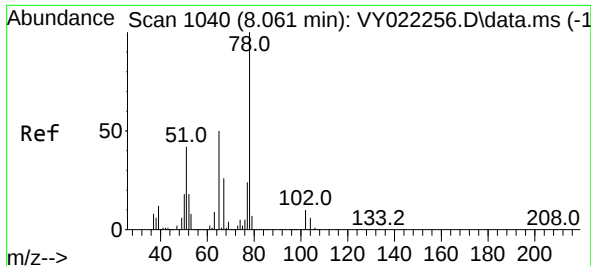
Tgt Ion:168 Resp: 237248
Ion Ratio Lower Upper
168 100
99 57.2 44.2 66.4



#16
Acetone
Concen: 24.908 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 43 Resp: 12110
Ion Ratio Lower Upper
43 100
58 25.9 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 53.333 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022343.D

Acq: 20 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

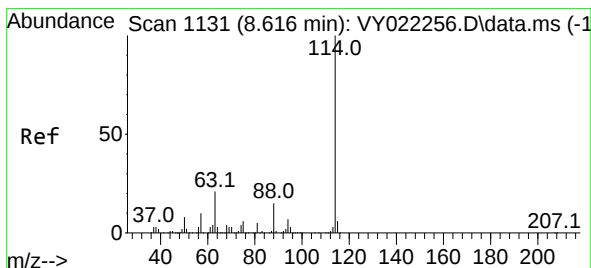
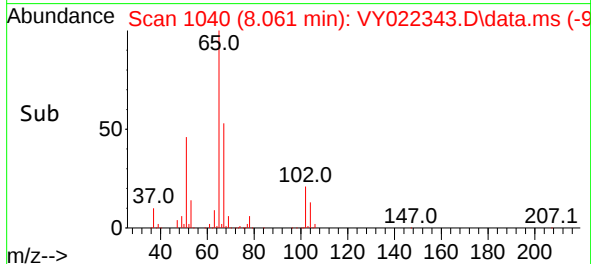
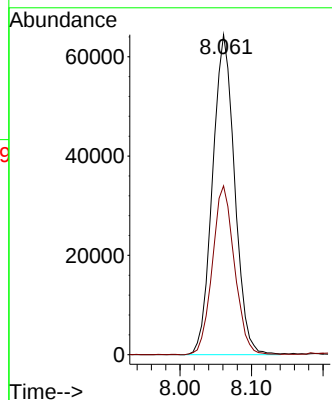
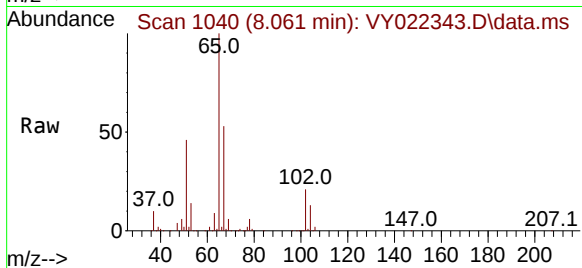
SS-10

Tgt Ion: 65 Resp: 138286

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022343.D

Acq: 20 May 2025 15:22

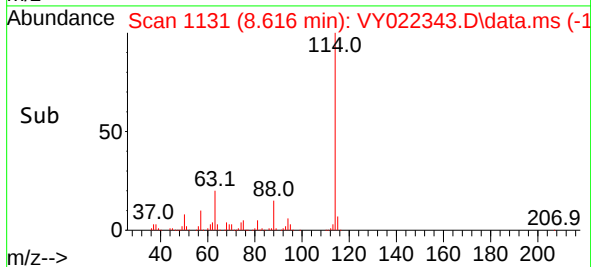
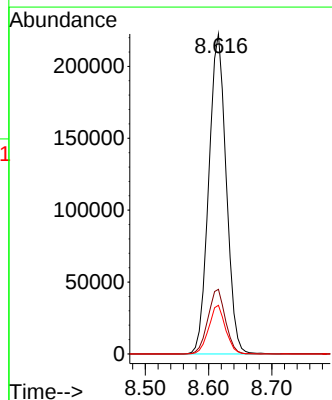
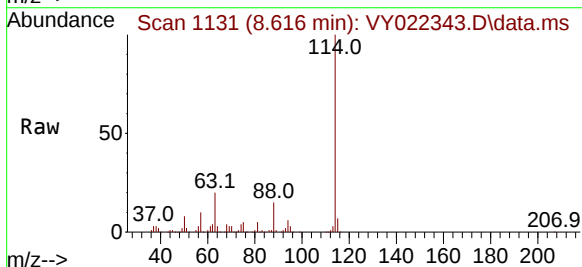
Tgt Ion: 114 Resp: 425729

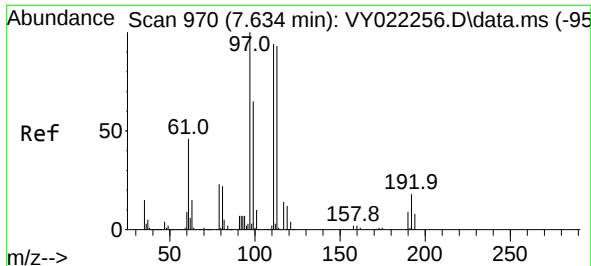
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 15.2 0.0 29.4

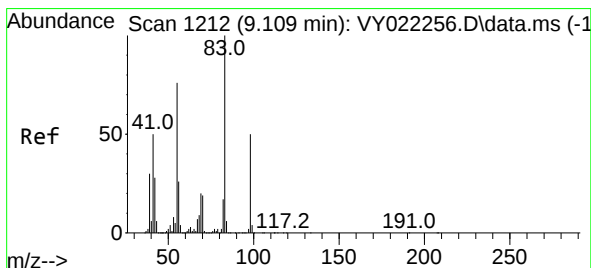
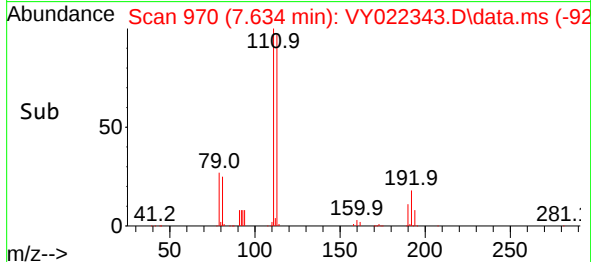
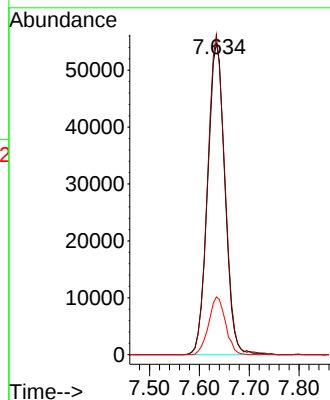
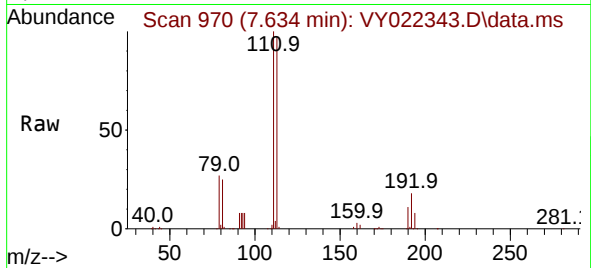




#35
Dibromofluoromethane
Concen: 51.858 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

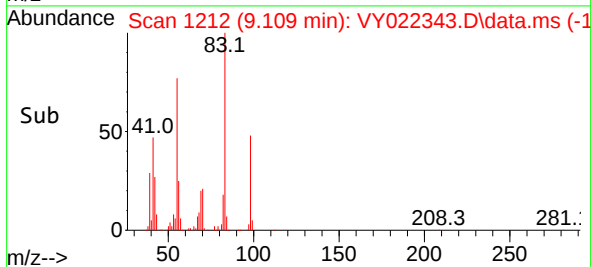
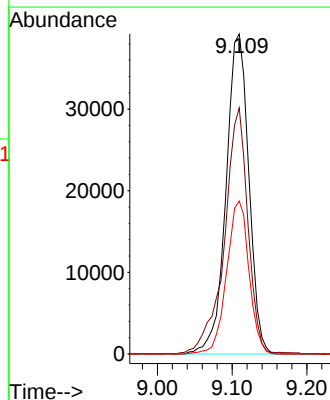
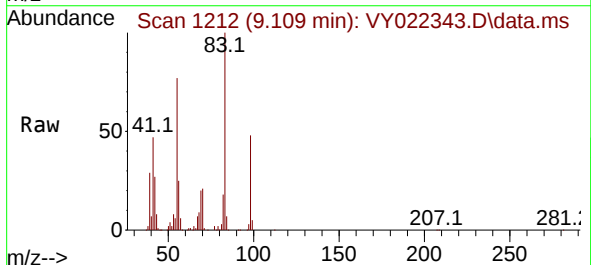
Instrument :
MSVOA_Y
ClientSampleId :
SS-10

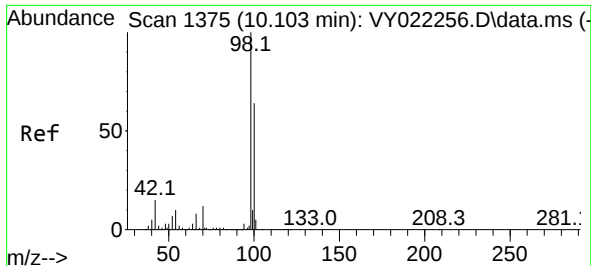
Tgt Ion:113 Resp: 131771
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 18.1 15.2 22.8



#39
Methylcyclohexane
Concen: 14.799 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 83 Resp: 83214
Ion Ratio Lower Upper
83 100
55 76.5 60.6 90.8
98 47.8 40.0 60.0

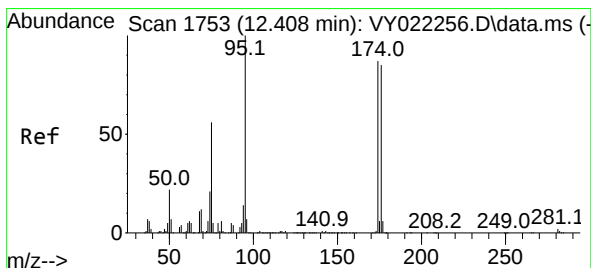
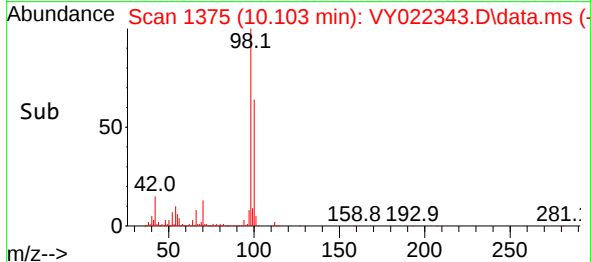
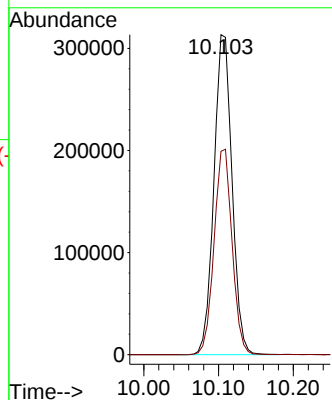
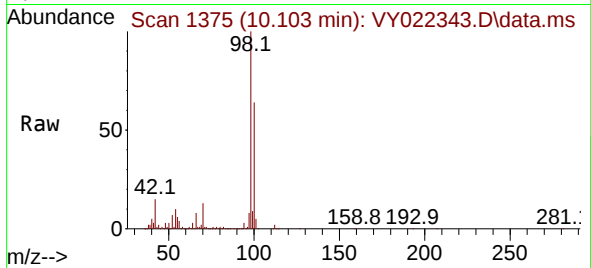




#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

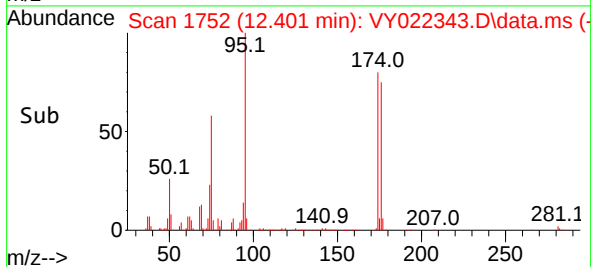
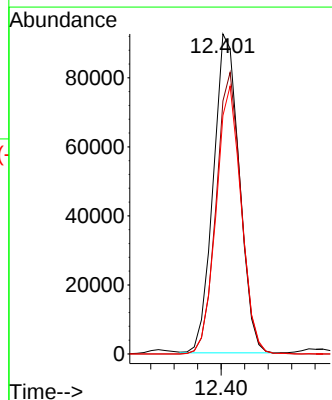
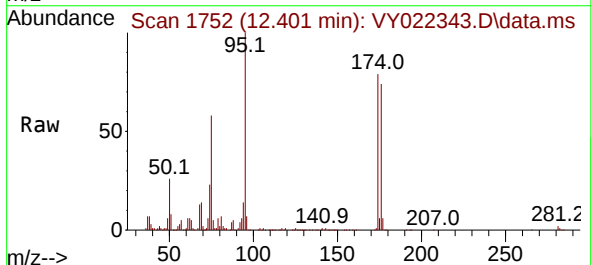
Instrument :
MSVOA_Y
ClientSampleId :
SS-10

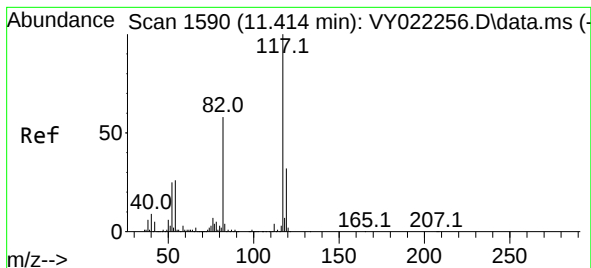
Tgt Ion: 98 Resp: 527709
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 42.927 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 95 Resp: 141599
Ion Ratio Lower Upper
95 100
174 84.9 0.0 166.8
176 81.5 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022343.D

Acq: 20 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

SS-10

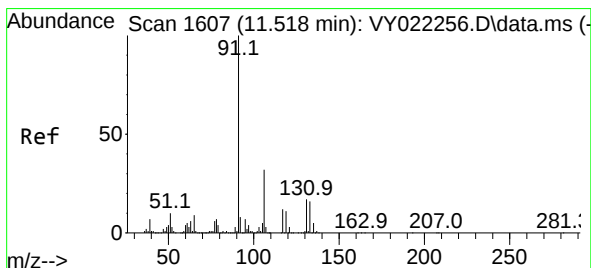
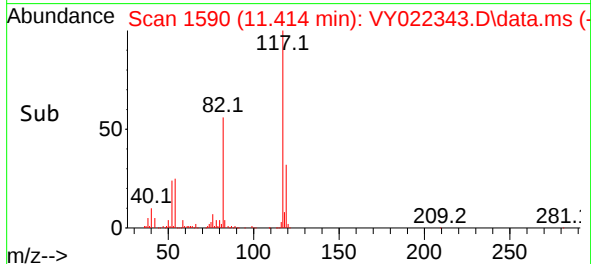
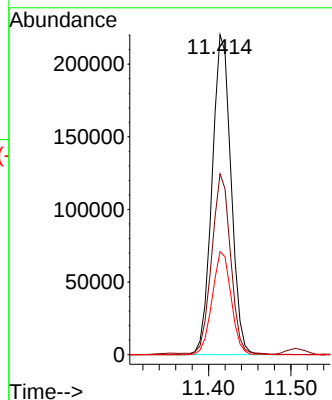
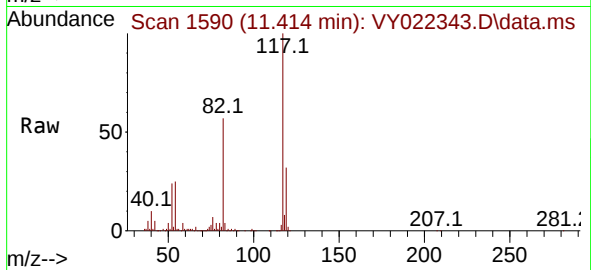
Tgt Ion:117 Resp: 352723

Ion Ratio Lower Upper

117 100

82 56.1 46.6 70.0

119 32.2 25.8 38.6



#67

Ethyl Benzene

Concen: 26.134 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022343.D

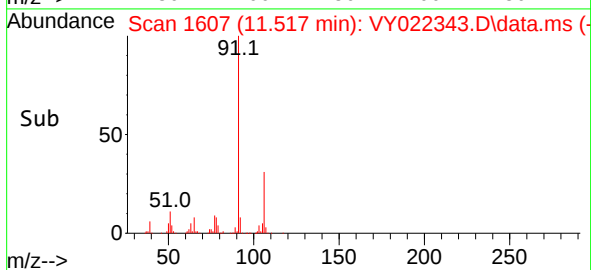
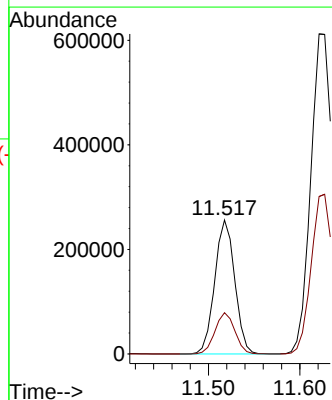
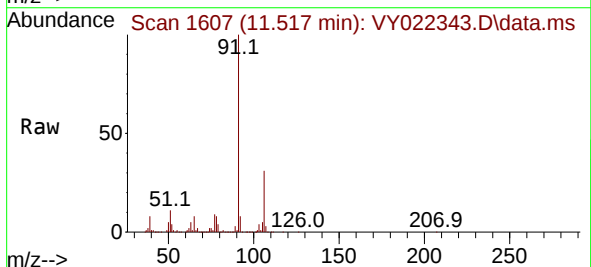
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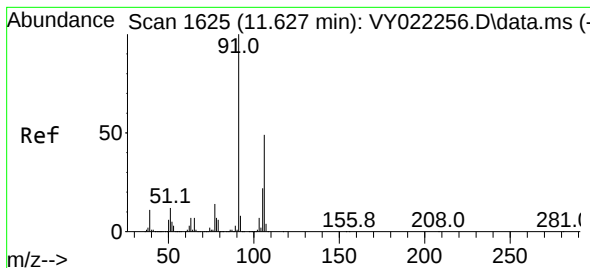
Tgt Ion: 91 Resp: 389483

Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.0

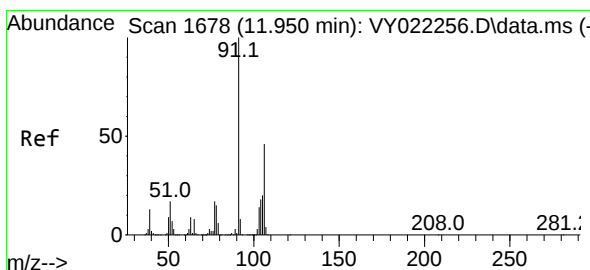
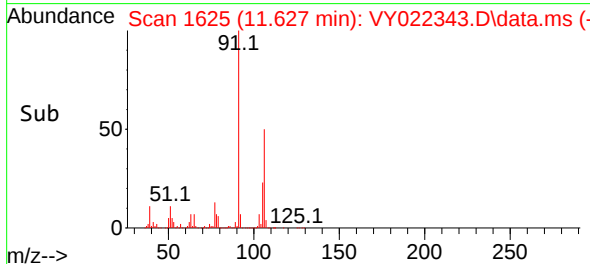
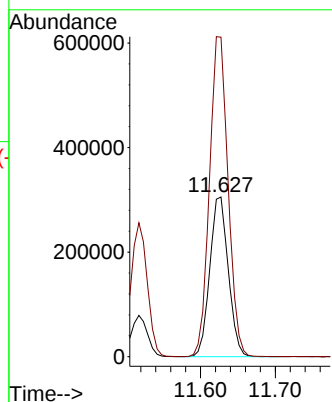
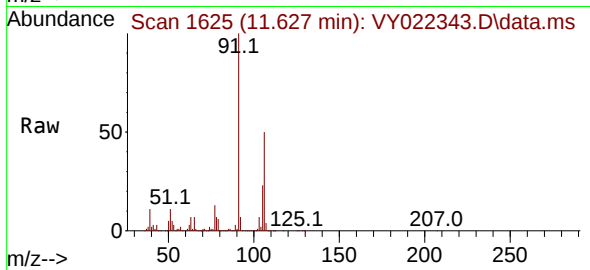




#68
m/p-Xylenes
Concen: 93.342 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

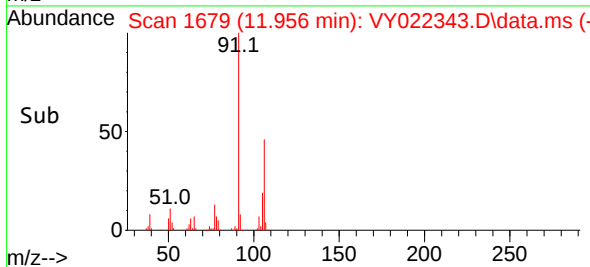
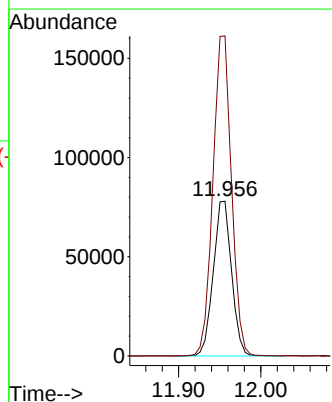
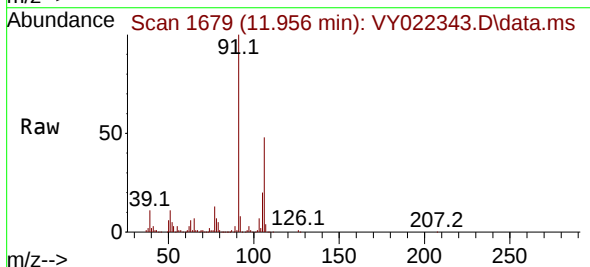
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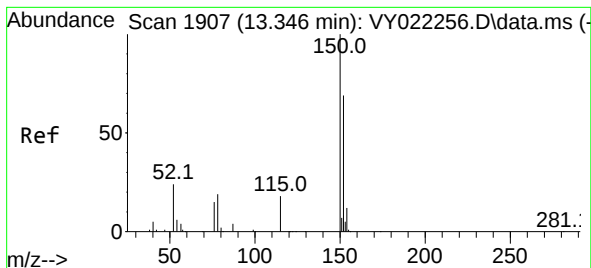
Tgt Ion:106 Resp: 524191
Ion Ratio Lower Upper
106 100
91 201.5 163.0 244.4



#69
o-Xylene
Concen: 22.688 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:106 Resp: 120547
Ion Ratio Lower Upper
106 100
91 209.9 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022343.D

Acq: 20 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

SS-10

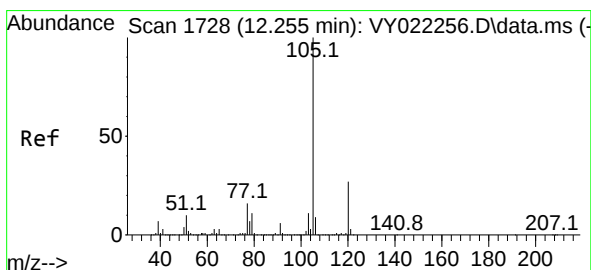
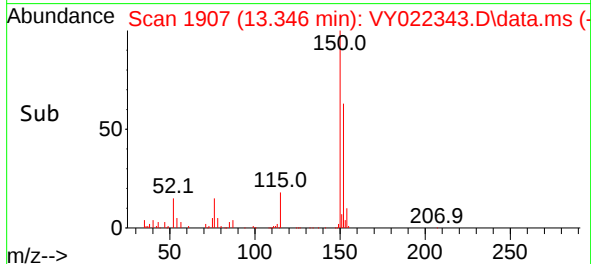
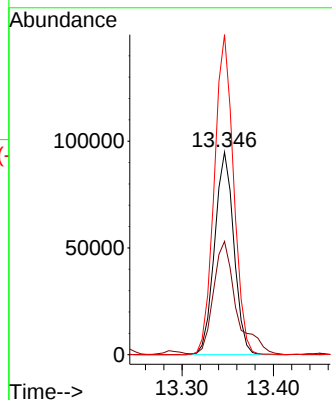
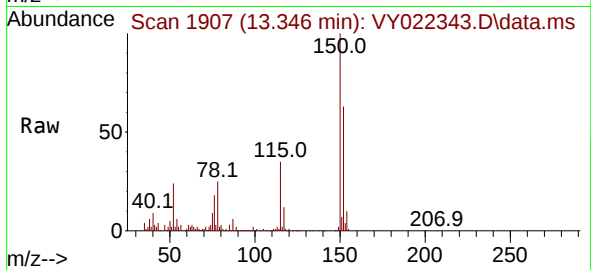
Tgt Ion:152 Resp: 138928

Ion Ratio Lower Upper

152 100

115 66.2 29.4 88.2

150 158.3 0.0 353.8



#73

Isopropylbenzene

Concen: 7.055 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022343.D

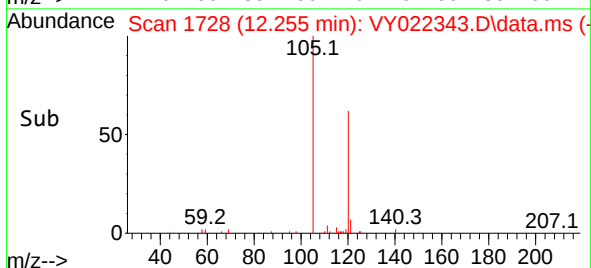
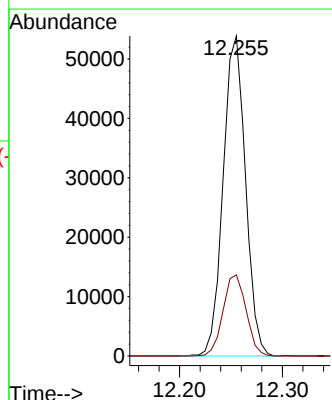
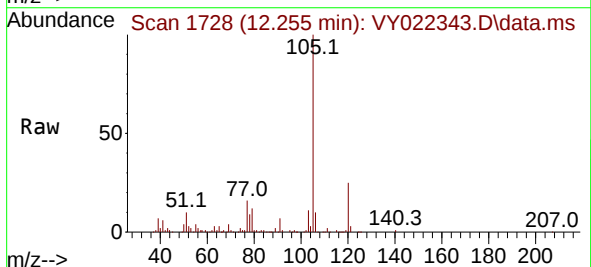
Acq: 20 May 2025 15:22

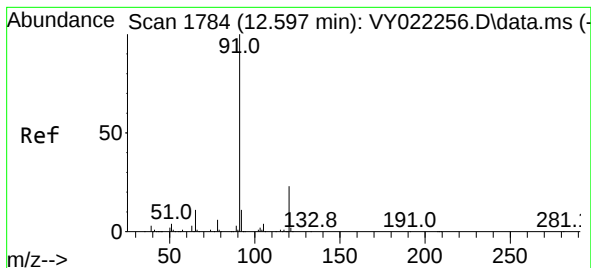
Tgt Ion:105 Resp: 81195

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6





#78

n-propylbenzene

Concen: 16.182 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY022343.D

Acq: 20 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

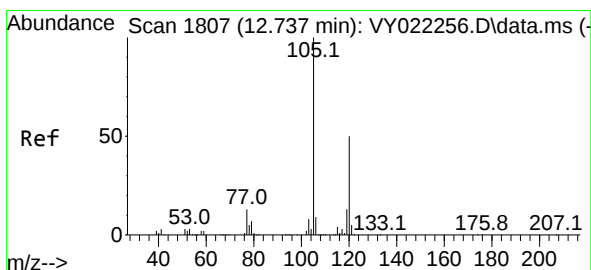
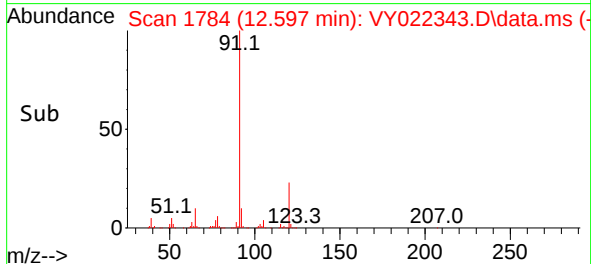
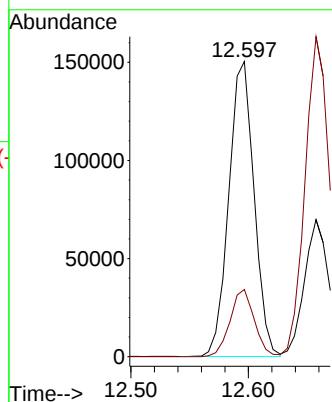
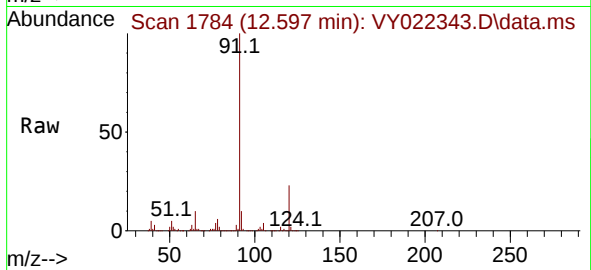
SS-10

Tgt Ion: 91 Resp: 224654

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 28.923 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022343.D

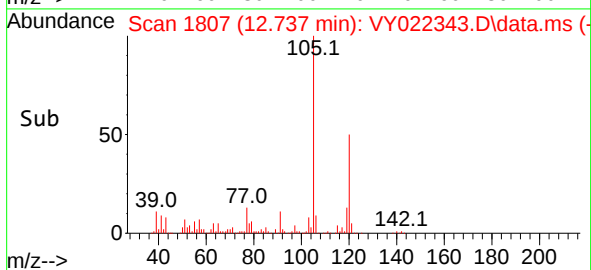
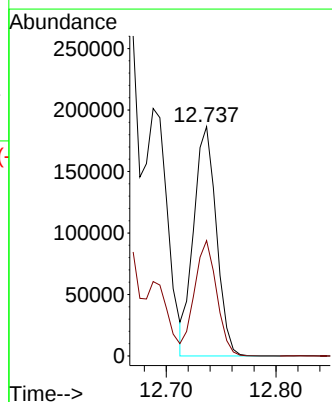
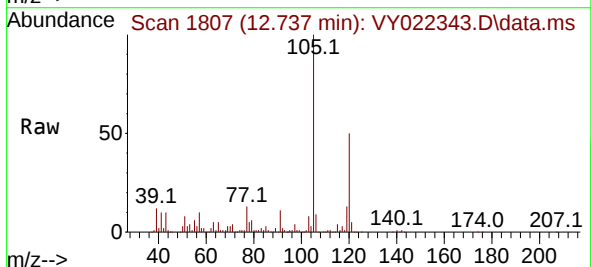
Acq: 20 May 2025 15:22

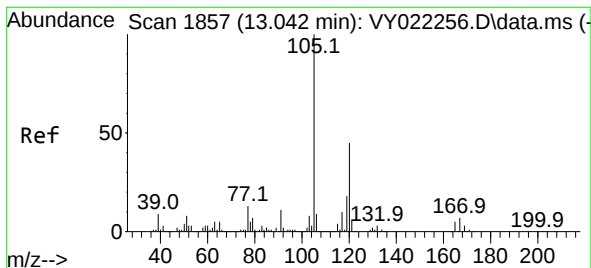
Tgt Ion: 105 Resp: 268724

Ion Ratio Lower Upper

105 100

120 49.4 24.2 72.6





#84

1,2,4-Trimethylbenzene

Concen: 111.599 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022343.D

Acq: 20 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

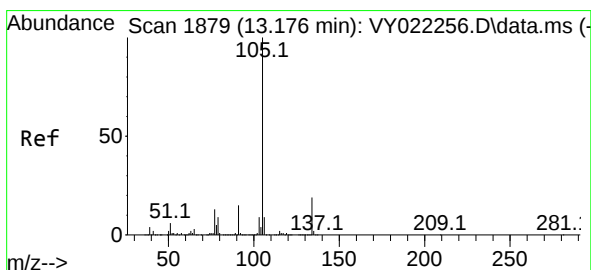
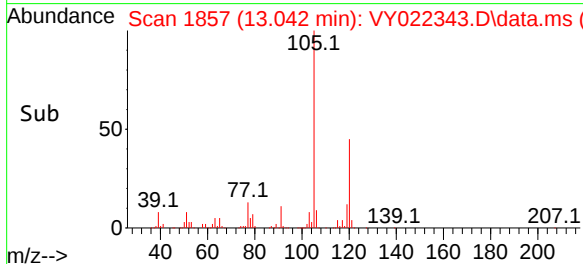
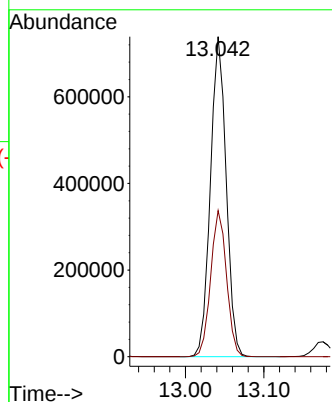
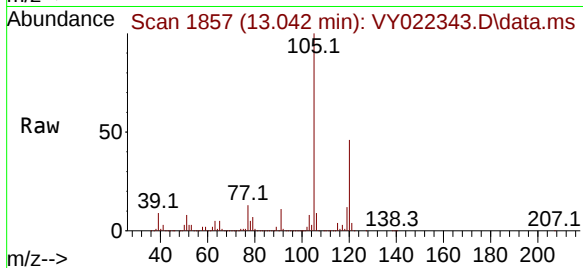
SS-10

Tgt Ion:105 Resp: 1029267

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.9



#85

sec-Butylbenzene

Concen: 4.277 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022343.D

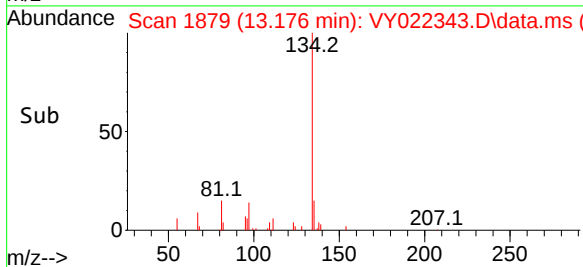
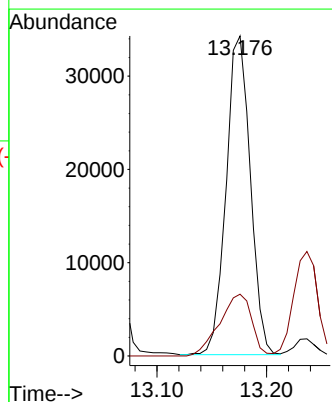
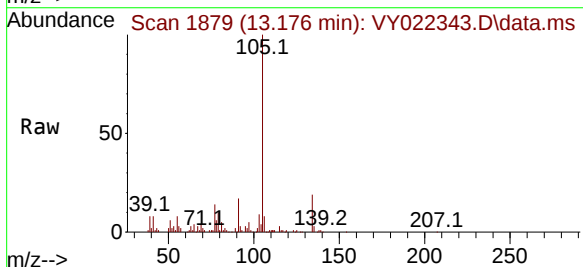
Acq: 20 May 2025 15:22

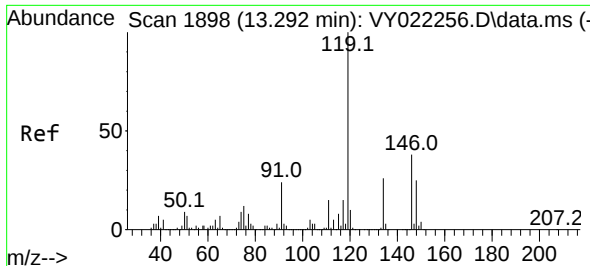
Tgt Ion:105 Resp: 52433

Ion Ratio Lower Upper

105 100

134 25.7 9.8 29.5

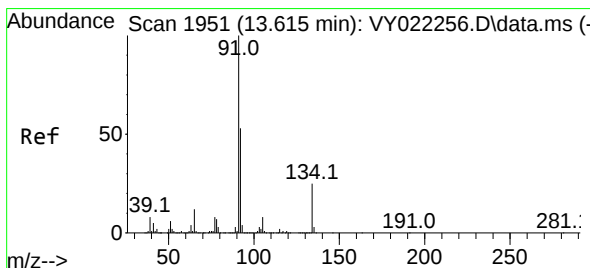
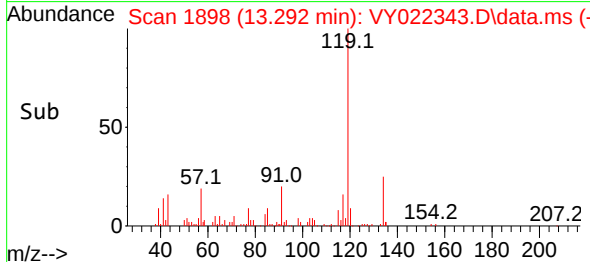
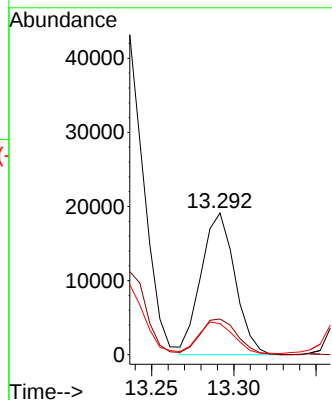
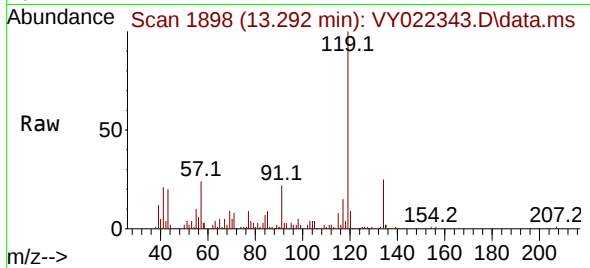




#86
p-Isopropyltoluene
Concen: 2.657 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:	119	Resp:	27391
Ion	Ratio	Lower	Upper
119	100		
134	27.7	12.9	38.6
91	22.9	12.1	36.3



#89
n-Butylbenzene
Concen: 4.528 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:	91	Resp:	44165
Ion	Ratio	Lower	Upper
91	100		
92	58.4	26.3	78.9
134	0.0	12.4	37.4

