

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021871.D
 Acq On : 14 Apr 2025 15:50
 Operator : SY/MD
 Sample : Q1783-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-41125

Quant Time: Apr 14 23:32:24 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)

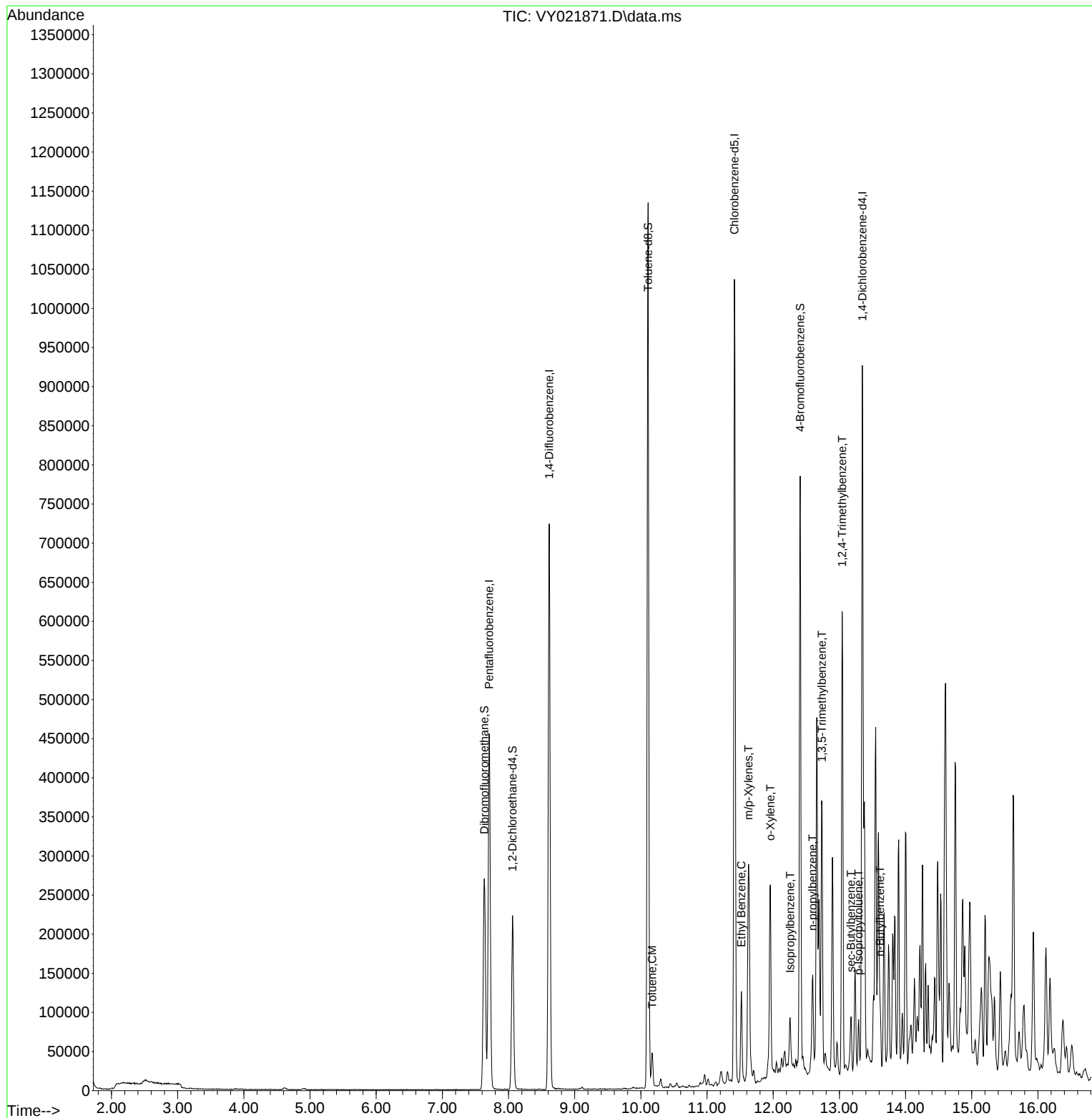
Internal Standards						
1) Pentafluorobenzene	7.707	168	343659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	605607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	527173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	223281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167920	45.098	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.200%		
35) Dibromofluoromethane	7.634	113	192359	48.965	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.940%		
50) Toluene-d8	10.109	98	714513	47.809	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.620%		
62) 4-Bromofluorobenzene	12.408	95	231433	45.782	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.560%		
Target Compounds						Qvalue
52) Toluene	10.170	92	17177	1.536	ug/l	99
67) Ethyl Benzene	11.518	91	75706	3.653	ug/l	97
68) m/p-Xylenes	11.627	106	77691	9.791	ug/l	97
69) o-Xylene	11.957	106	62400	8.519	ug/l	99
73) Isopropylbenzene	12.255	105	31539	1.902	ug/l	98
78) n-propylbenzene	12.597	91	84129	4.220	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	118004	8.706	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	308266	23.012	ug/l	100
85) sec-Butylbenzene	13.176	105	40665	2.305	ug/l	91
86) p-Isopropyltoluene	13.292	119	25411	1.743	ug/l	97
89) n-Butylbenzene	13.615	91	32577	2.416	ug/l #	70

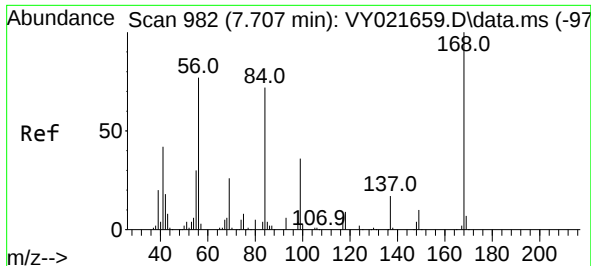
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

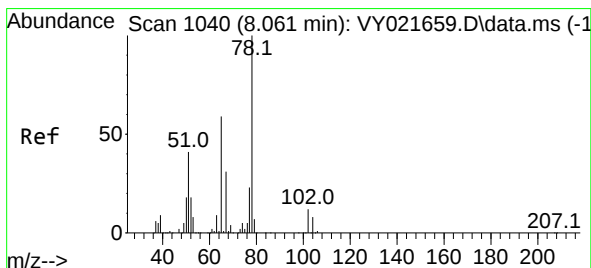
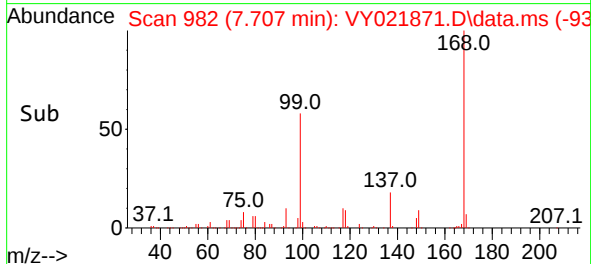
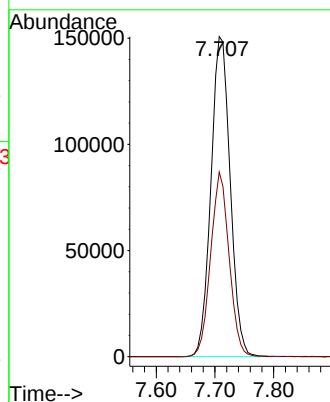
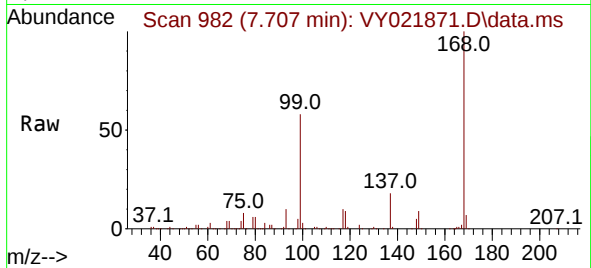




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

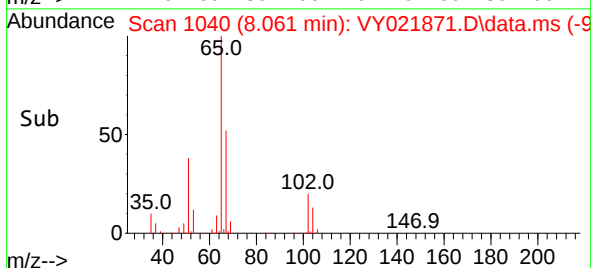
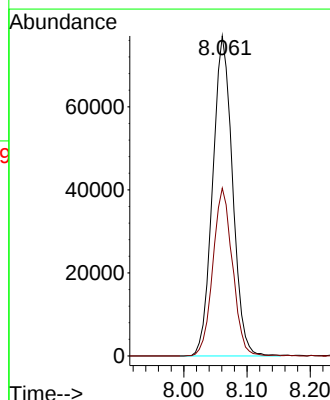
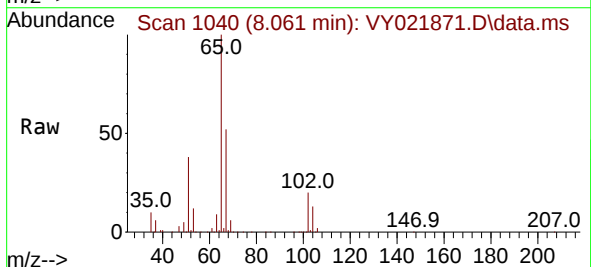
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

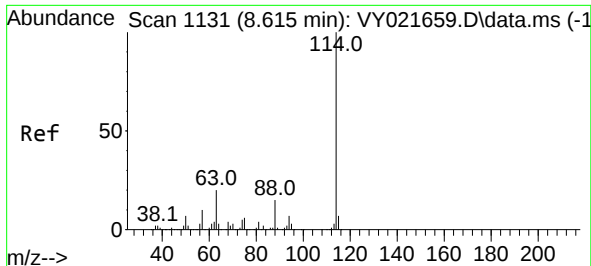
Tgt Ion:168 Resp: 343659
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 45.098 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

Tgt Ion: 65 Resp: 167920
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6

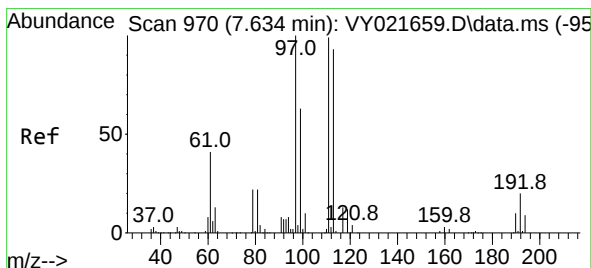
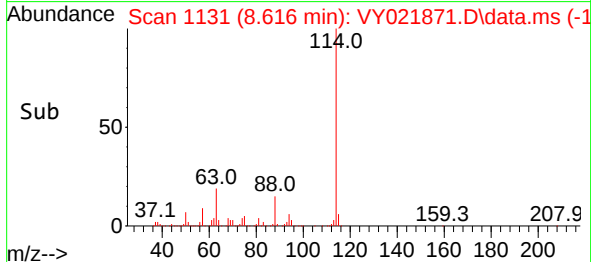
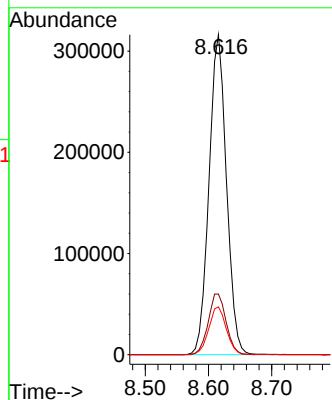
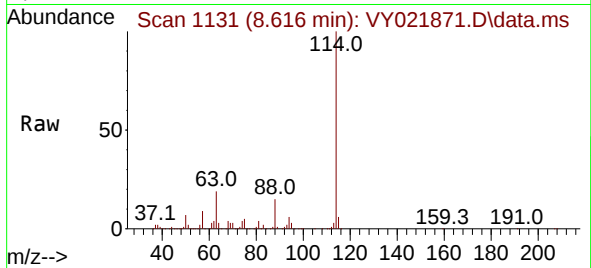




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

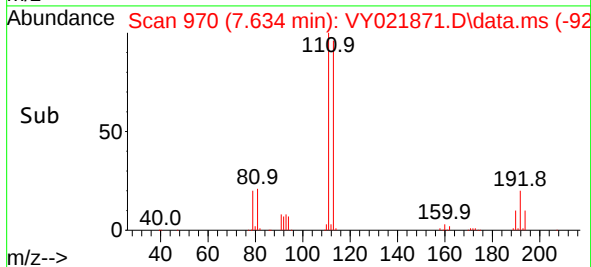
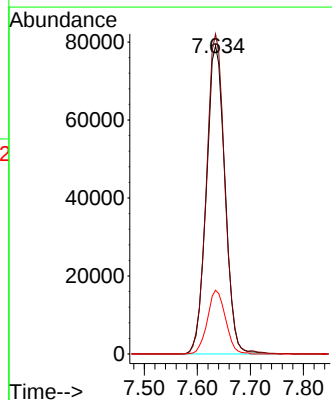
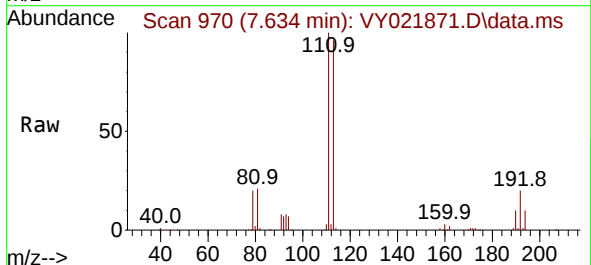
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

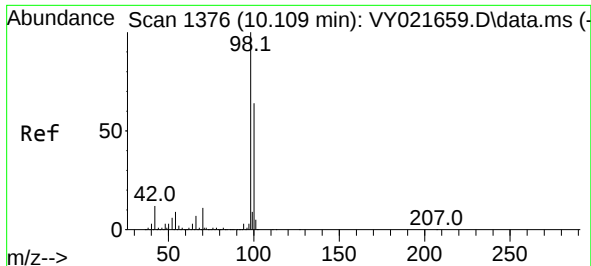
Tgt Ion:114 Resp: 605607
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 48.965 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

Tgt Ion:113 Resp: 192359
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 20.2 16.2 24.4

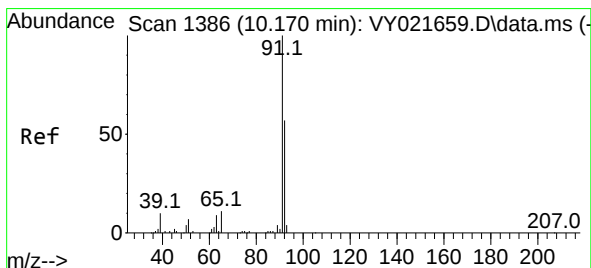
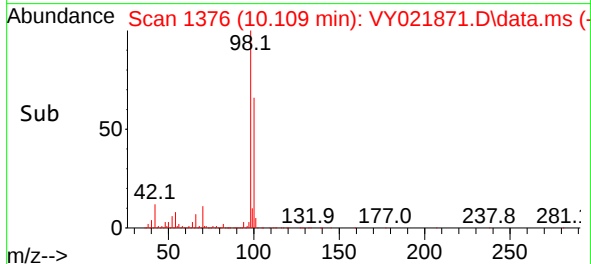
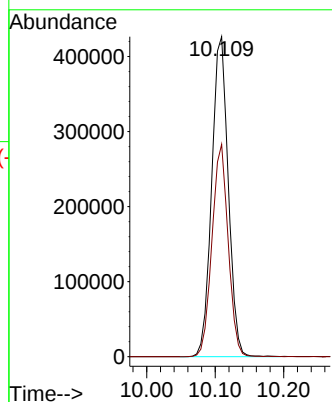
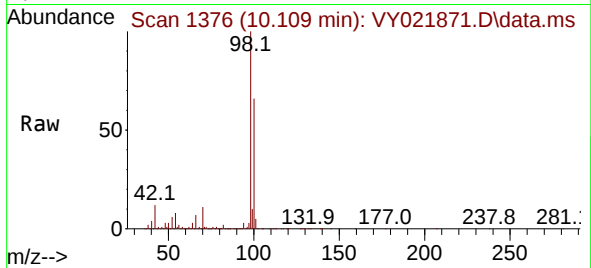




#50
Toluene-d8
Concen: 47.809 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

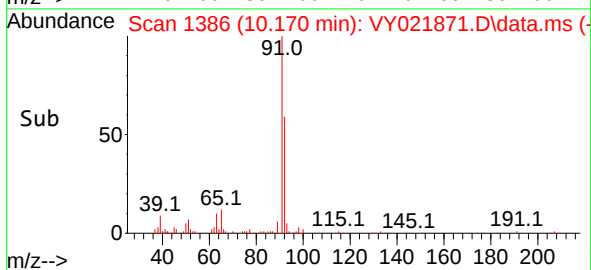
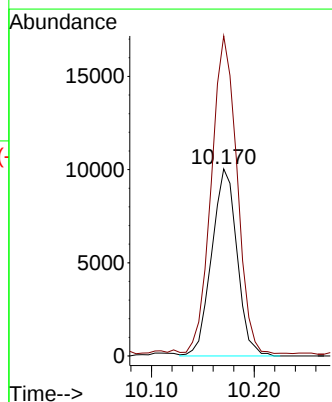
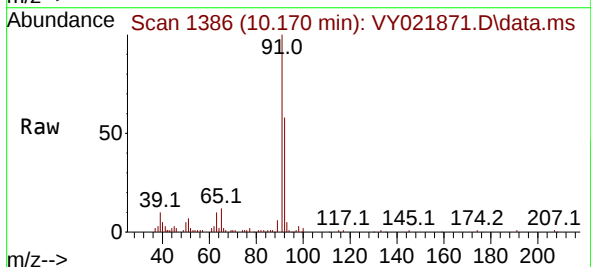
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

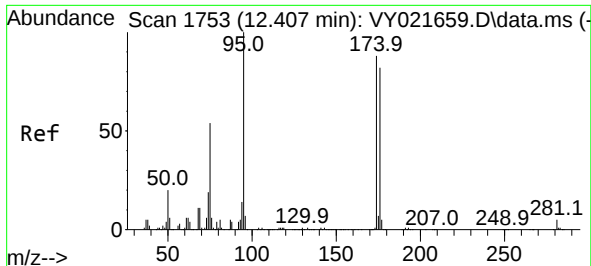
Tgt Ion: 98 Resp: 714513
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#52
Toluene
Concen: 1.536 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

Tgt Ion: 92 Resp: 17177
Ion Ratio Lower Upper
92 100
91 171.4 138.6 207.8

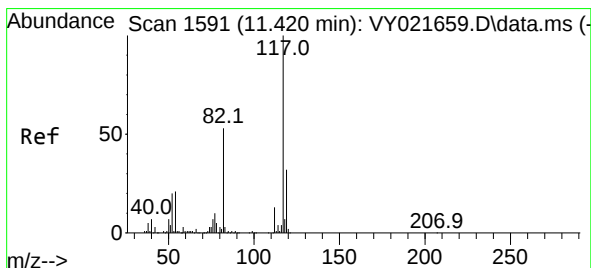
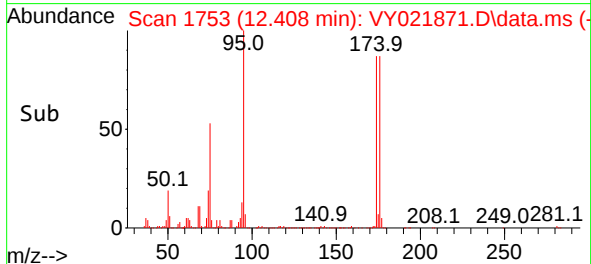
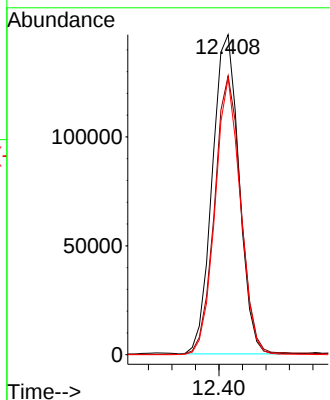
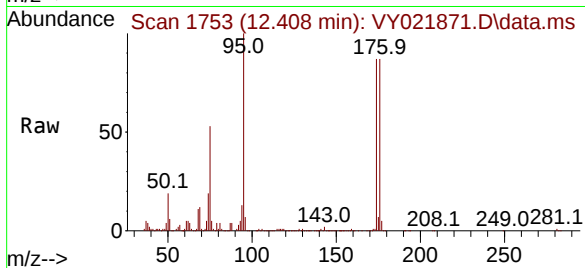




#62
4-Bromofluorobenzene
Concen: 45.782 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

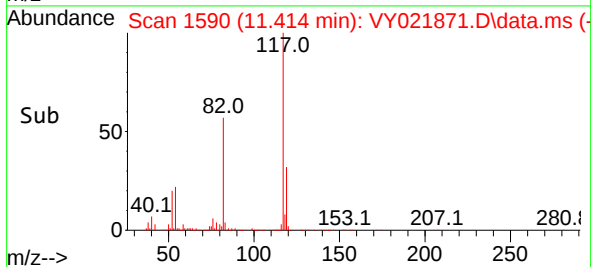
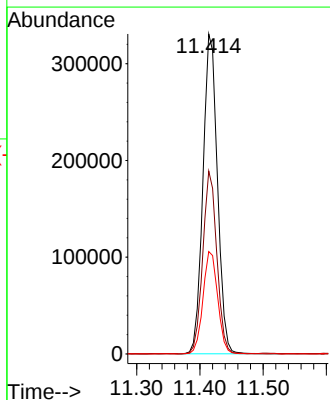
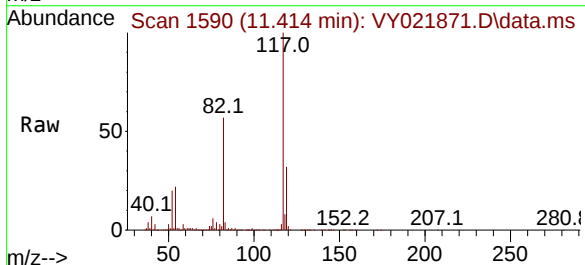
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

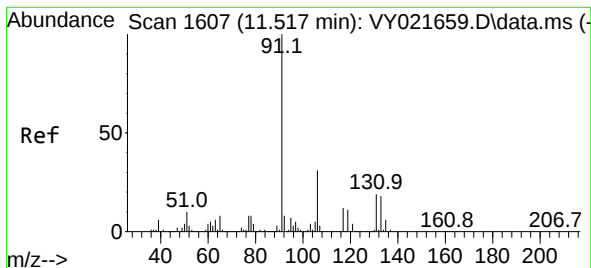
Tgt Ion: 95 Resp: 231433
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.8
176 82.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

Tgt Ion: 117 Resp: 527173
Ion Ratio Lower Upper
117 100
82 57.1 42.8 64.2
119 32.0 25.7 38.5





#67

Ethyl Benzene

Concen: 3.653 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021871.D

Acq: 14 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

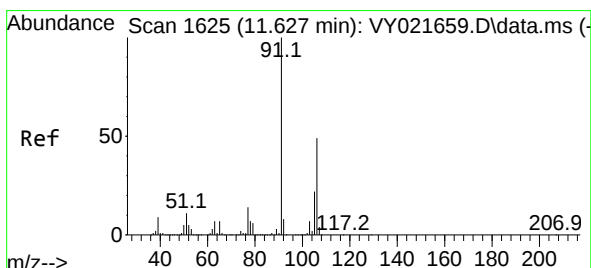
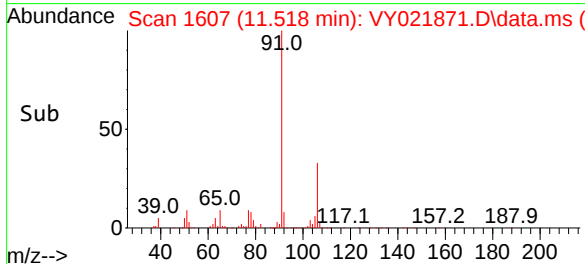
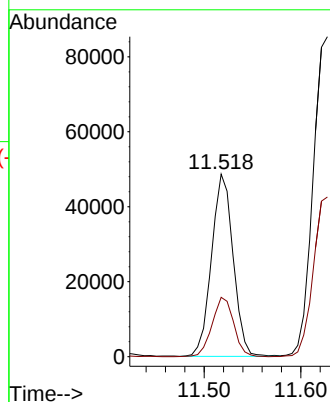
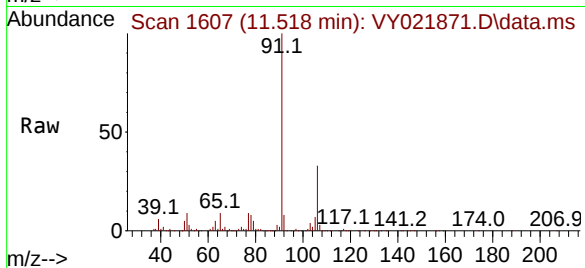
SU-03-41125

Tgt Ion: 91 Resp: 75706

Ion Ratio Lower Upper

91 100

106 32.5 24.6 36.8



#68

m/p-Xylenes

Concen: 9.791 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021871.D

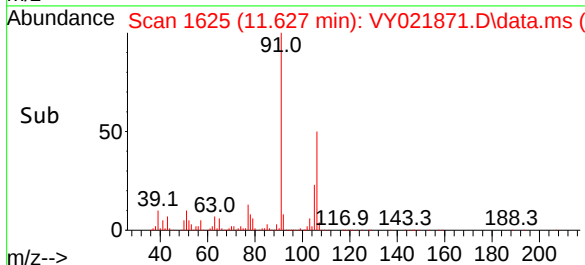
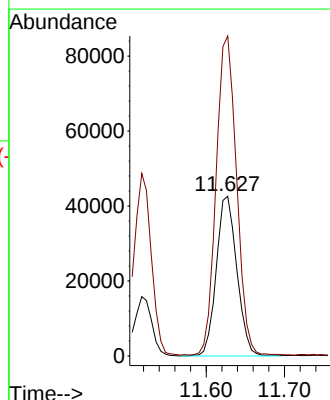
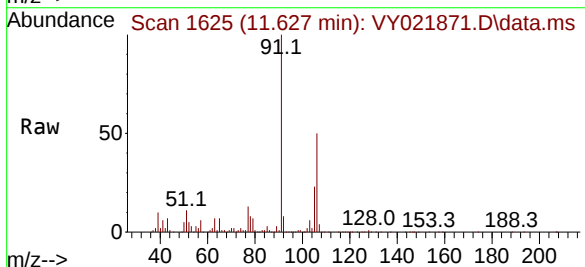
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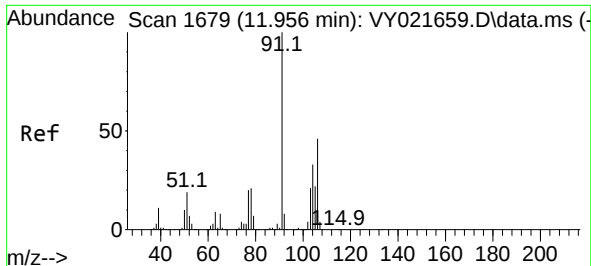
Tgt Ion: 106 Resp: 77691

Ion Ratio Lower Upper

106 100

91 199.1 162.4 243.6

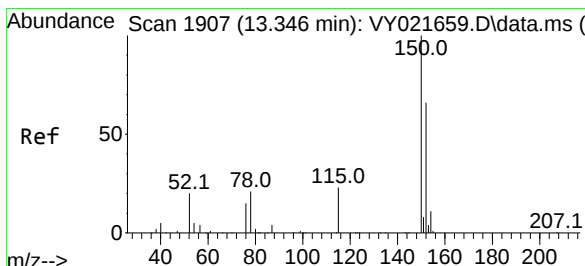
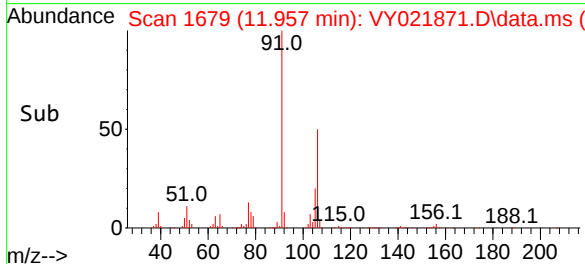
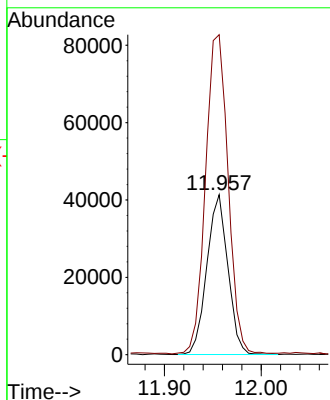
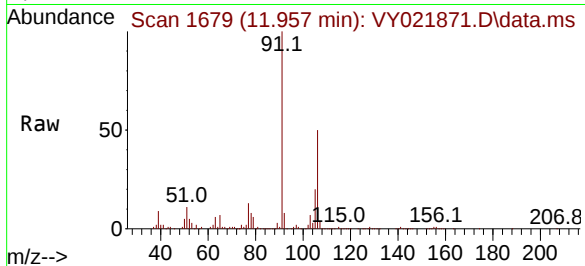




#69
o-Xylene
Concen: 8.519 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

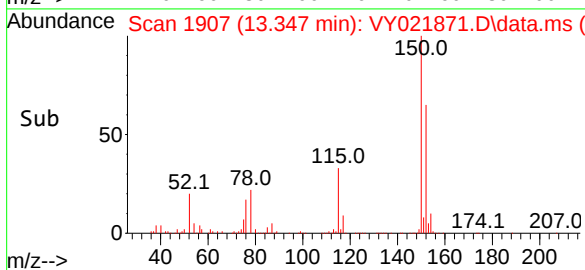
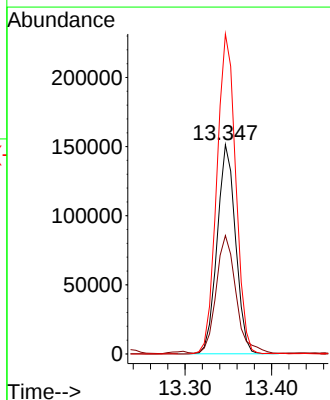
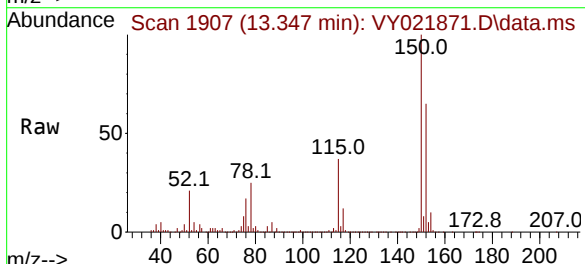
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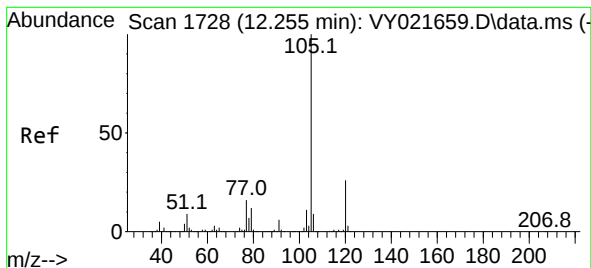
Tgt Ion:106 Resp: 62400
Ion Ratio Lower Upper
106 100
91 214.6 106.7 319.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021871.D
Acq: 14 Apr 2025 15:50

Tgt Ion:152 Resp: 223281
Ion Ratio Lower Upper
152 100
115 60.1 28.8 86.5
150 157.1 0.0 348.4





#73

Isopropylbenzene

Concen: 1.902 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021871.D

Acq: 14 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

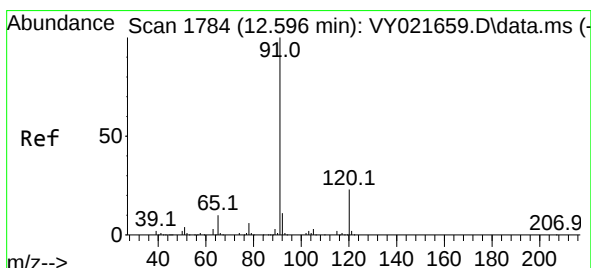
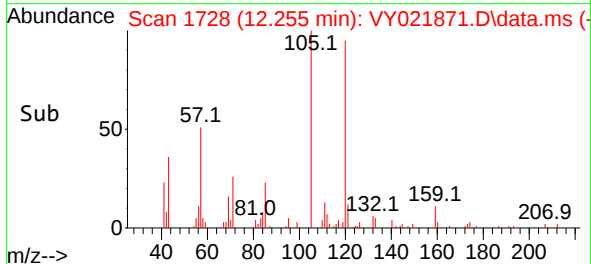
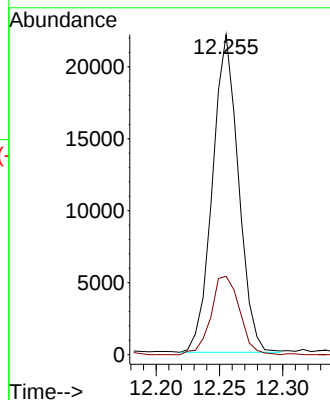
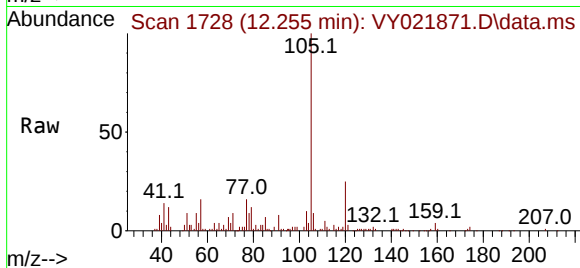
SU-03-41125

Tgt Ion:105 Resp: 31539

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.5



#78

n-propylbenzene

Concen: 4.220 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021871.D

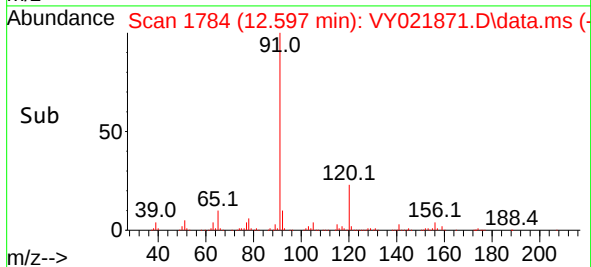
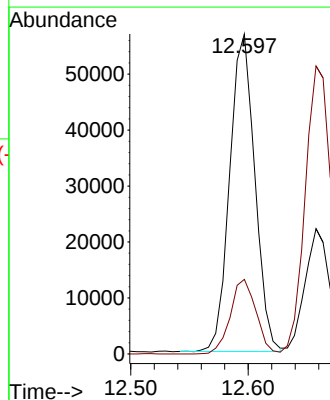
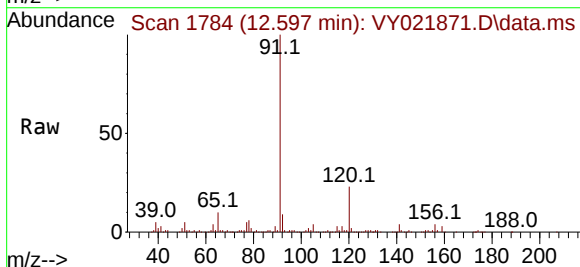
Acq: 14 Apr 2025 15:50

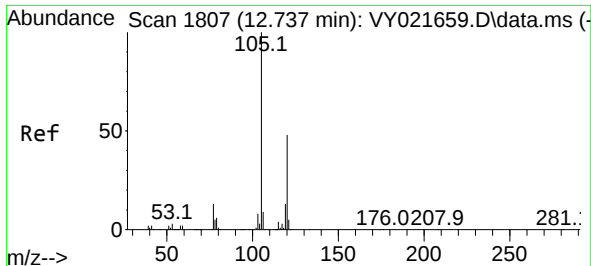
Tgt Ion: 91 Resp: 84129

Ion Ratio Lower Upper

91 100

120 24.1 11.3 33.9

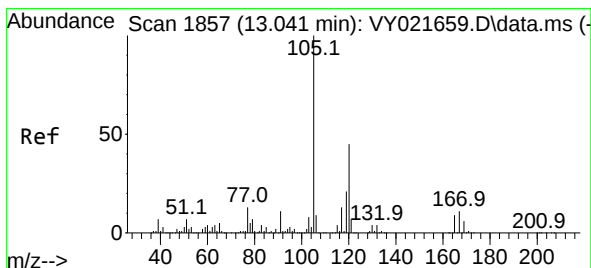
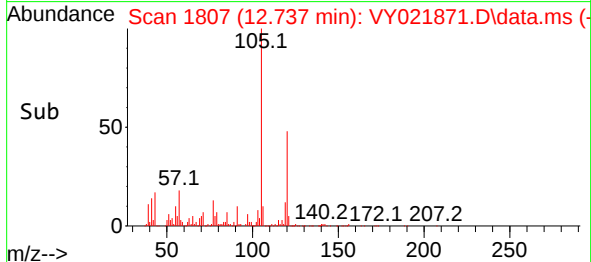
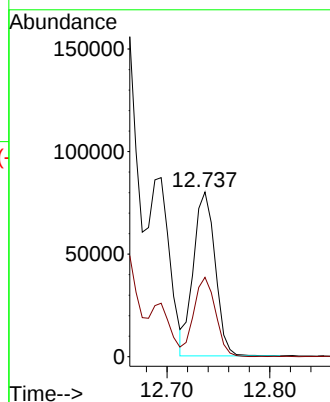
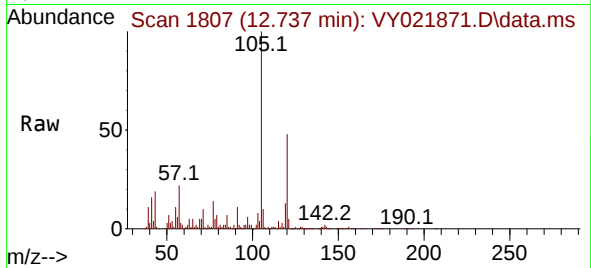




#80
 1,3,5-Trimethylbenzene
 Concen: 8.706 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. 0.000 min
 Lab File: VY021871.D
 Acq: 14 Apr 2025 15:50

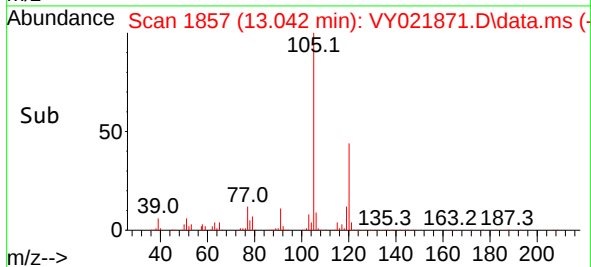
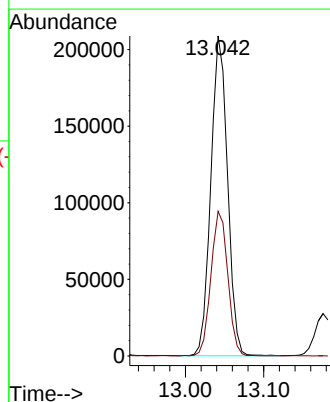
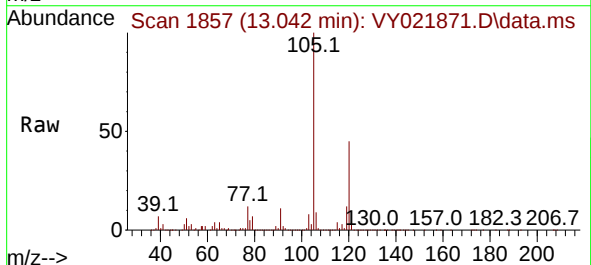
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-41125

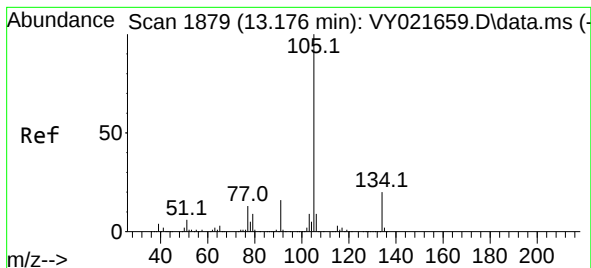
Tgt Ion:105 Resp: 118004
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.5 73.5



#84
 1,2,4-Trimethylbenzene
 Concen: 23.012 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021871.D
 Acq: 14 Apr 2025 15:50

Tgt Ion:105 Resp: 308266
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 2.305 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021871.D

Acq: 14 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

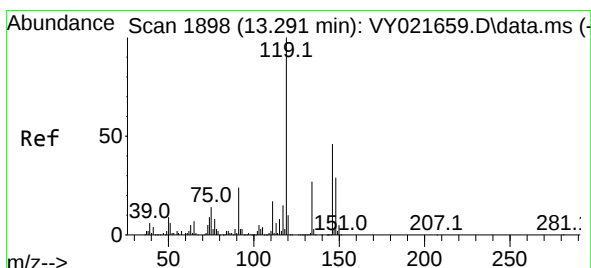
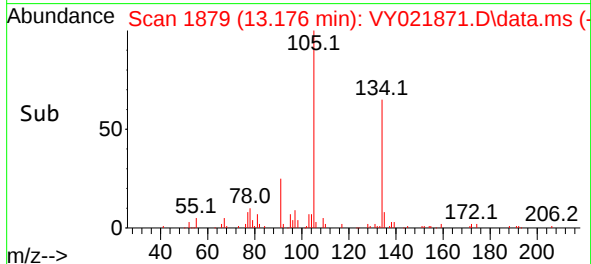
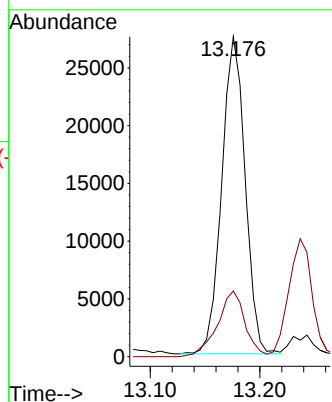
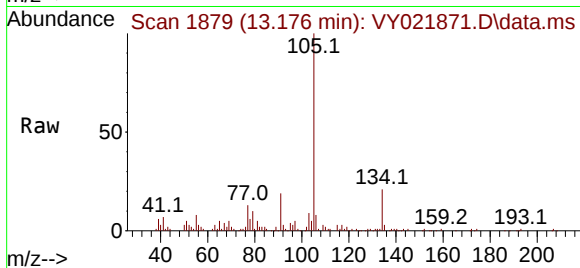
SU-03-41125

Tgt Ion:105 Resp: 40665

Ion Ratio Lower Upper

105 100

134 24.4 10.1 30.1



#86

p-Isopropyltoluene

Concen: 1.743 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021871.D

Acq: 14 Apr 2025 15:50

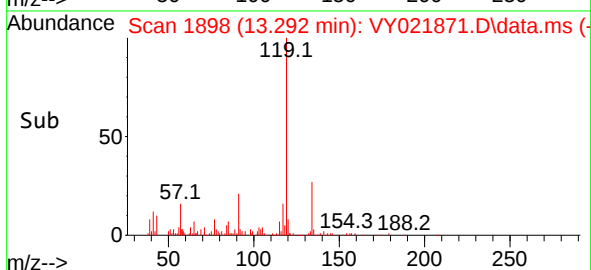
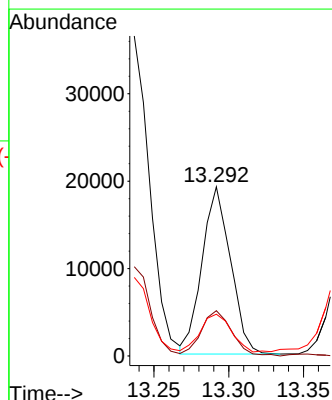
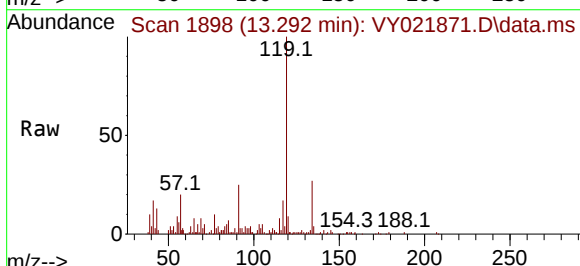
Tgt Ion:119 Resp: 25411

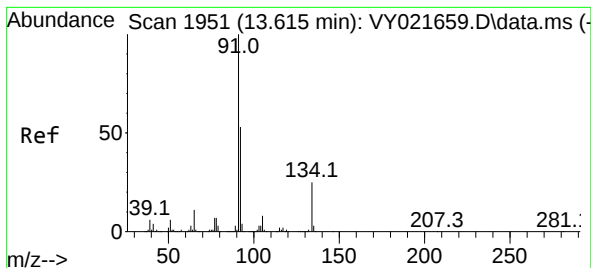
Ion Ratio Lower Upper

119 100

134 29.0 13.2 39.5

91 23.9 12.0 36.0





#89

n-Butylbenzene

Concen: 2.416 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021871.D

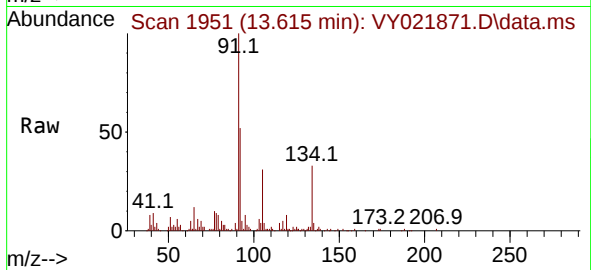
Acq: 14 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-41125



Tgt Ion:	91	Resp:	32577
Ion	Ratio	Lower	Upper
91	100		
92	66.9	26.4	79.2
134	0.0	12.8	38.4

