

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022817.D
 Acq On : 25 Jun 2025 12:11
 Operator : SY/MD
 Sample : Q2386-01
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-1-062025

Quant Time: Jun 26 01:24:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

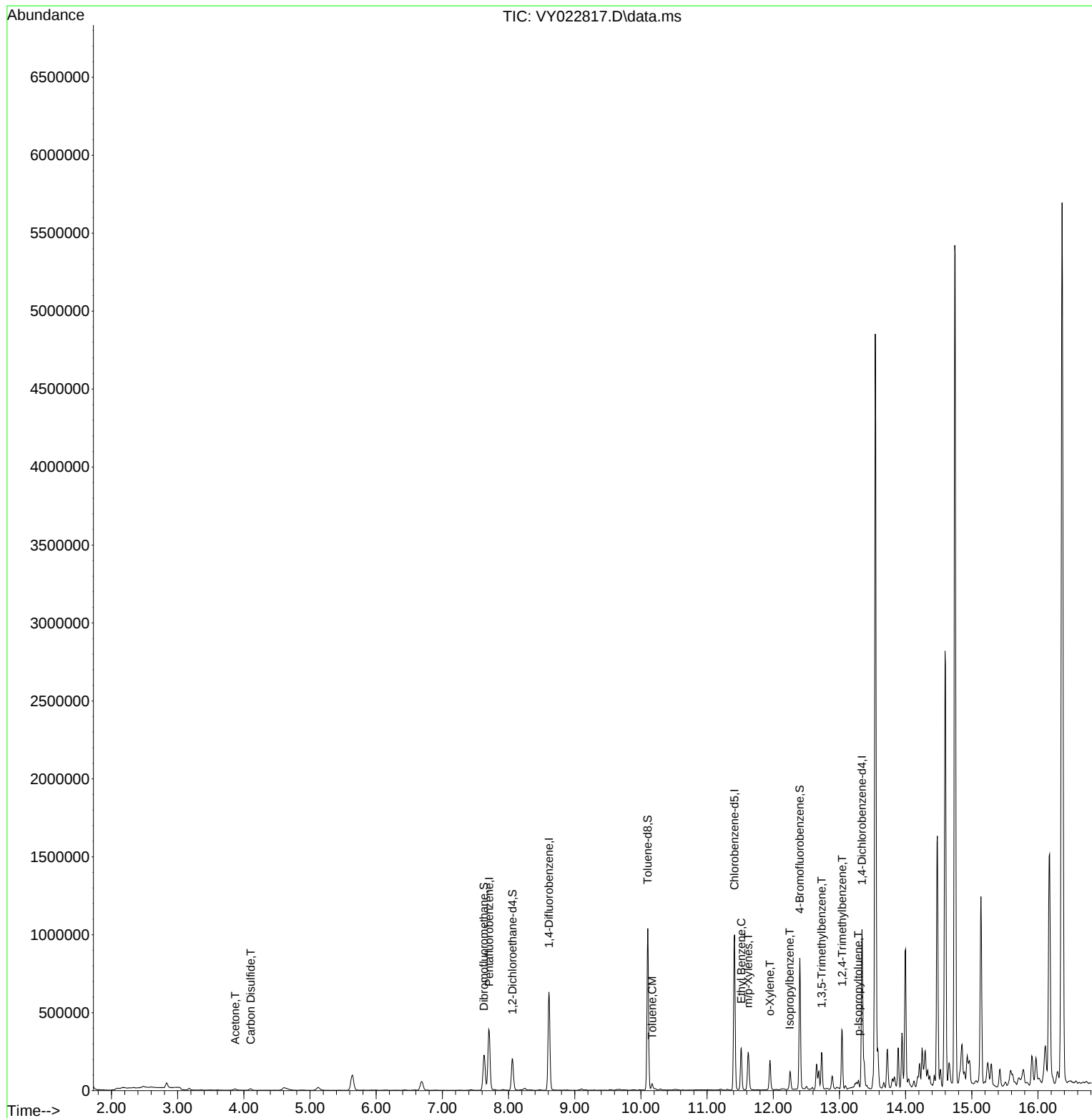
Internal Standards						
1) Pentafluorobenzene	7.707	168	288502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	528603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	513873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	246299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155865	48.406	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.820%
35) Dibromofluoromethane	7.628	113	160335	49.875	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.760%
50) Toluene-d8	10.103	98	642210	50.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.402	95	237563	57.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.860%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	14869	24.431	ug/l	90
17) Carbon Disulfide	4.104	76	17074	1.810	ug/l	98
52) Toluene	10.170	92	15139	1.602	ug/l	94
67) Ethyl Benzene	11.518	91	183765	9.263	ug/l	99
68) m/p-Xylenes	11.621	106	73265	9.553	ug/l	100
69) o-Xylene	11.950	106	46842	6.482	ug/l	100
73) Isopropylbenzene	12.249	105	21050	1.156	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	113353	7.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	197173	13.393	ug/l	98
86) p-Isopropyltoluene	13.286	119	24338	1.499	ug/l #	77

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

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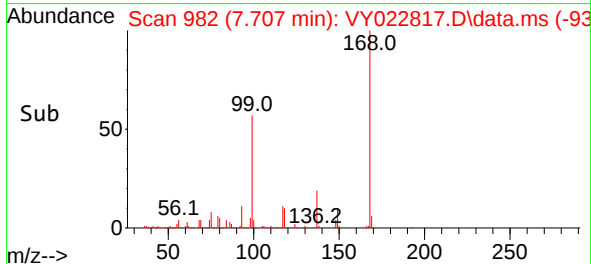
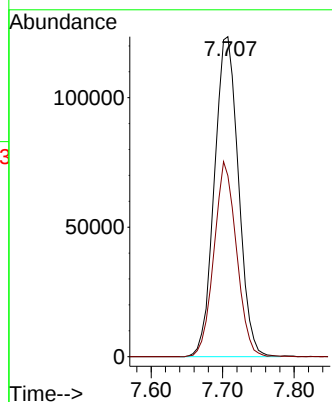
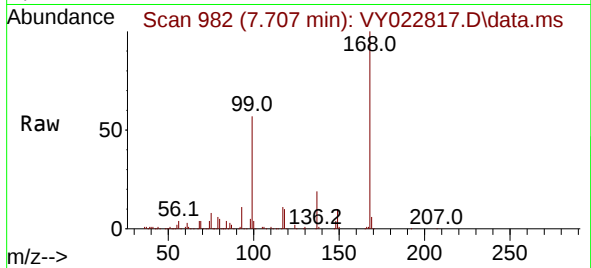




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

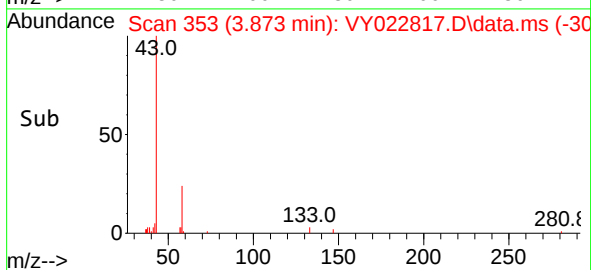
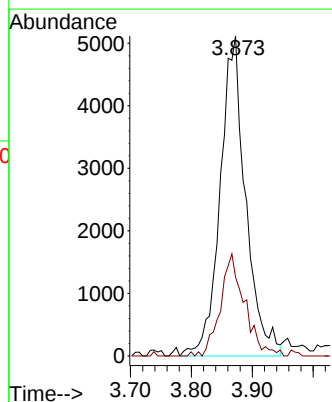
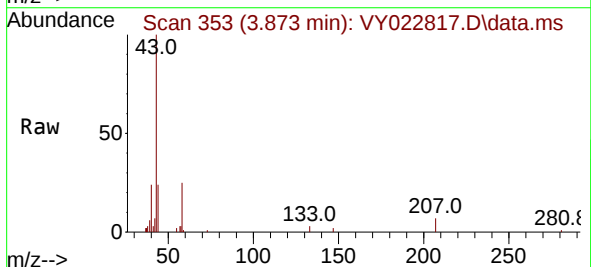
Instrument :
MSVOA_Y
ClientSampleId :
SU-1-062025

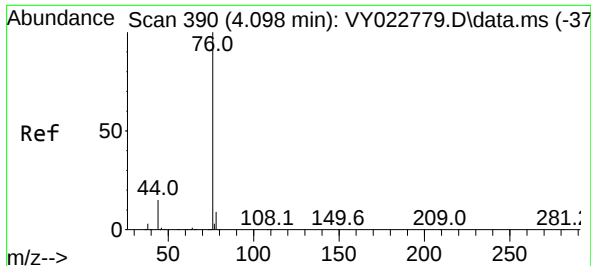
Tgt Ion:168 Resp: 288502
Ion Ratio Lower Upper
168 100
99 56.6 44.3 66.5



#16
Acetone
Concen: 24.431 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

Tgt Ion: 43 Resp: 14869
Ion Ratio Lower Upper
43 100
58 24.6 24.0 36.0

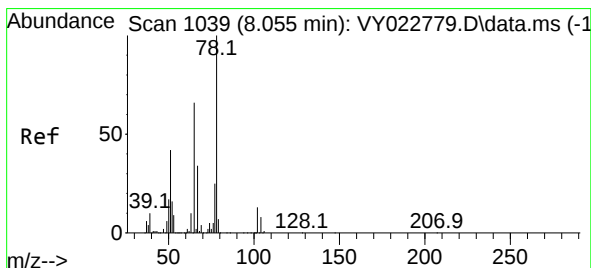
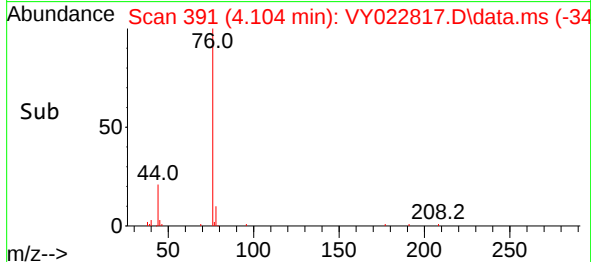
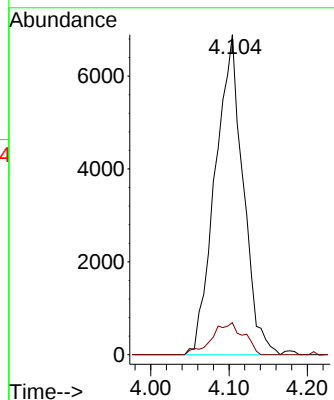
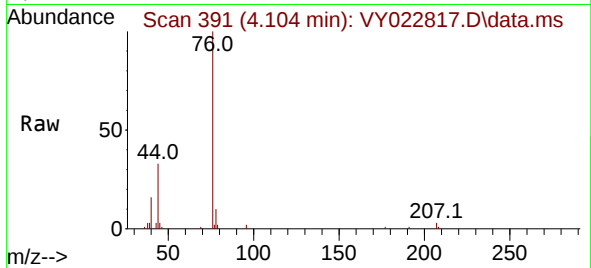




#17
Carbon Disulfide
Concen: 1.810 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

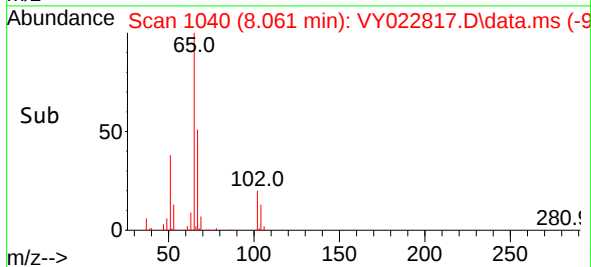
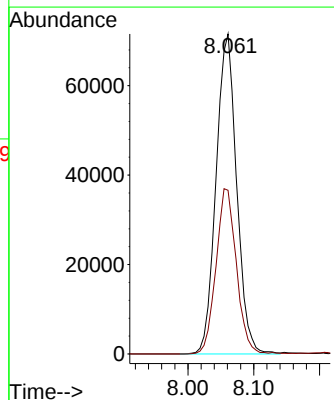
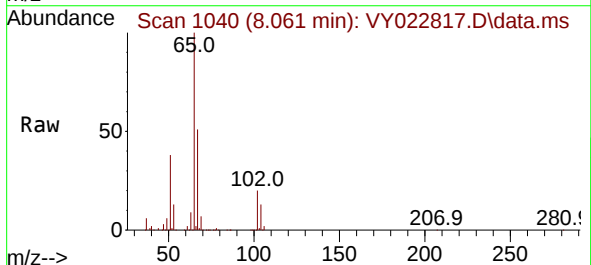
Instrument :
MSVOA_Y
ClientSampleId :
SU-1-062025

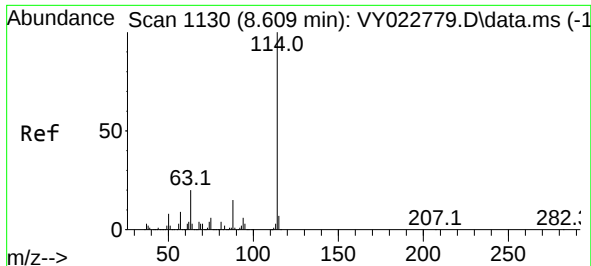
Tgt Ion: 76 Resp: 17074
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2



#33
1,2-Dichloroethane-d4
Concen: 48.406 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

Tgt Ion: 65 Resp: 155865
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022817.D

Acq: 25 Jun 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

SU-1-062025

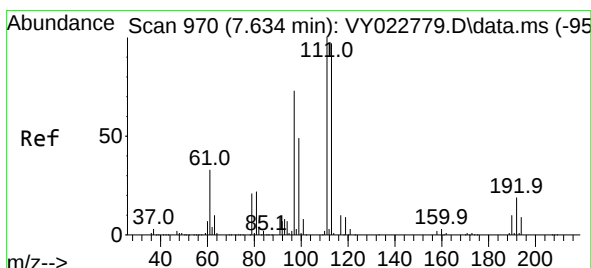
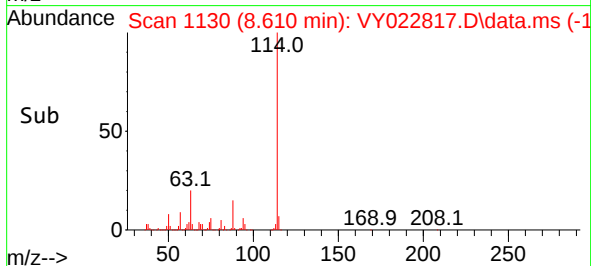
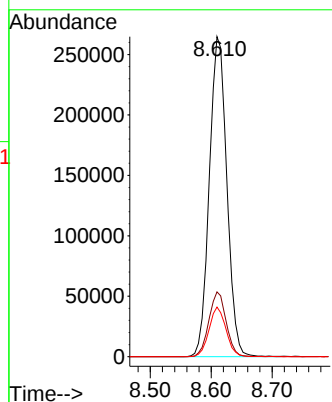
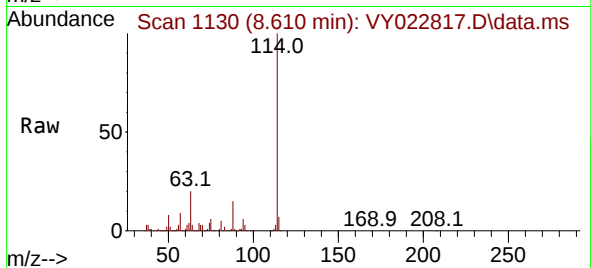
Tgt Ion:114 Resp: 528603

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 15.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.875 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022817.D

Acq: 25 Jun 2025 12:11

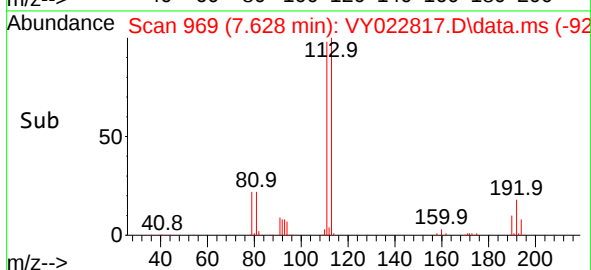
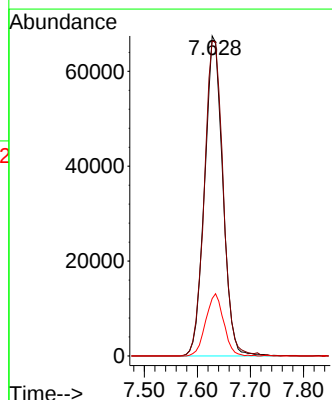
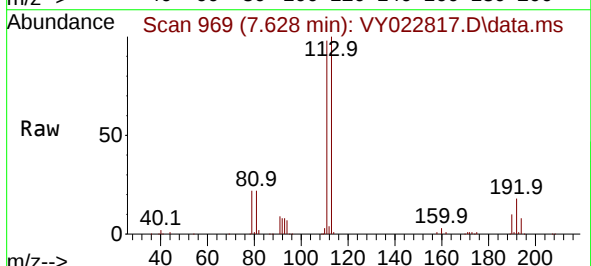
Tgt Ion:113 Resp: 160335

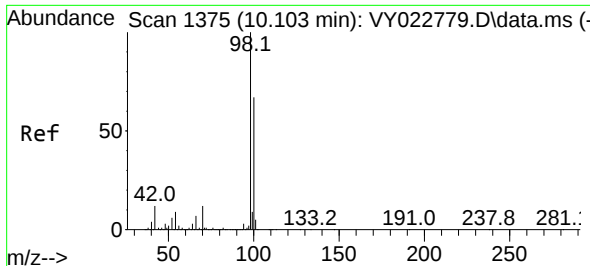
Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 19.3 14.2 21.2

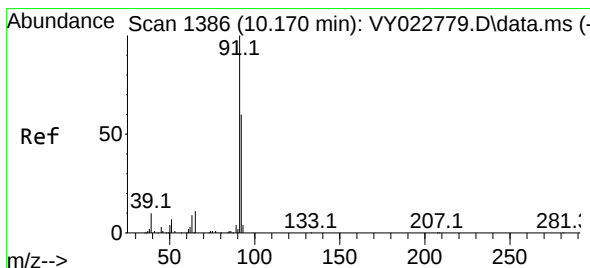
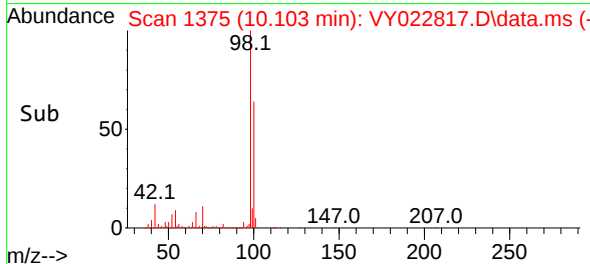
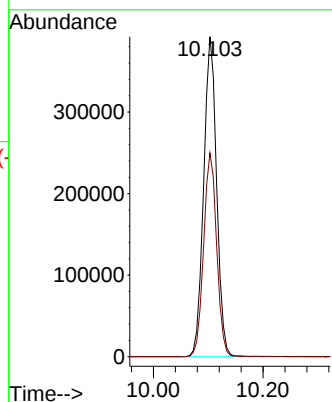
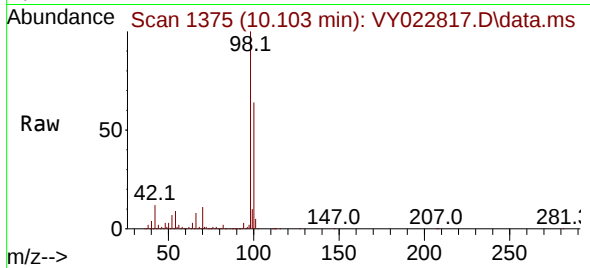




#50
Toluene-d8
Concen: 50.344 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

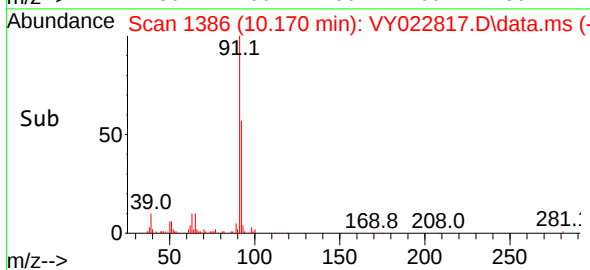
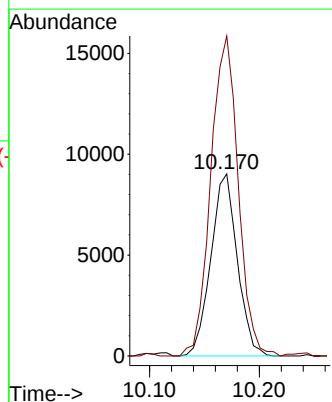
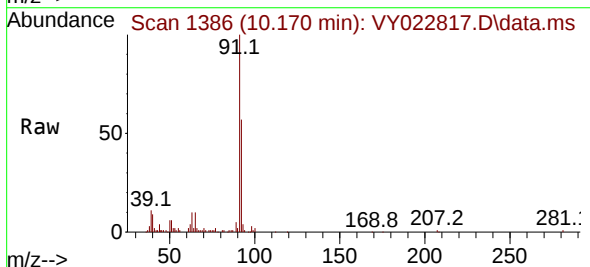
Instrument :
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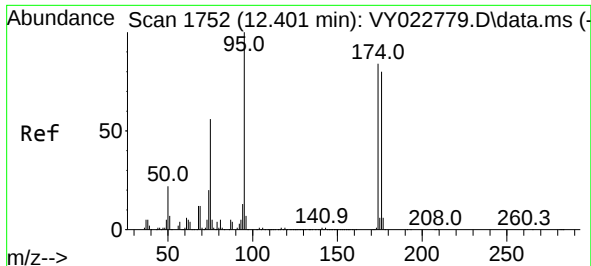
Tgt Ion: 98 Resp: 642210
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#52
Toluene
Concen: 1.602 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

Tgt Ion: 92 Resp: 15139
Ion Ratio Lower Upper
92 100
91 182.1 139.0 208.4

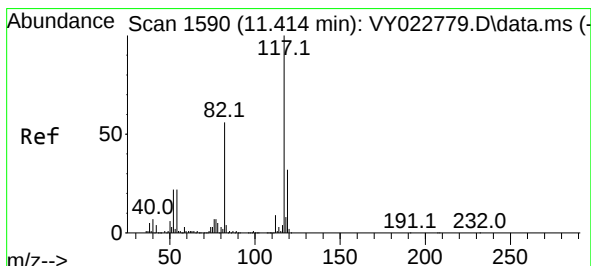
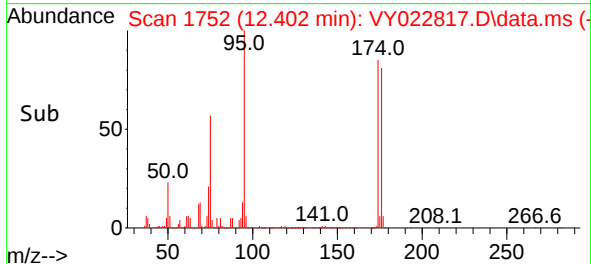
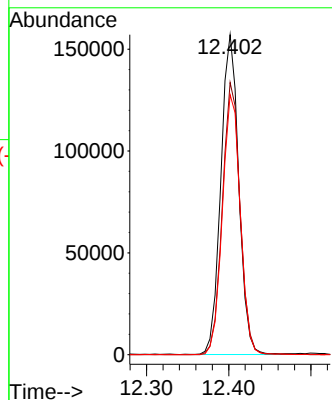
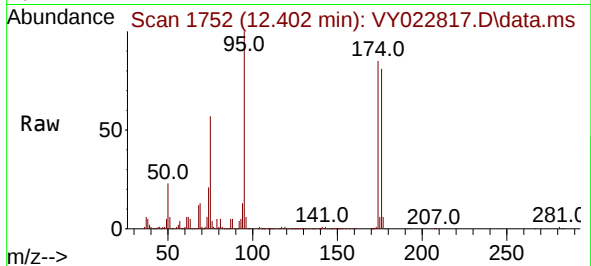




#62
4-Bromofluorobenzene
Concen: 57.931 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

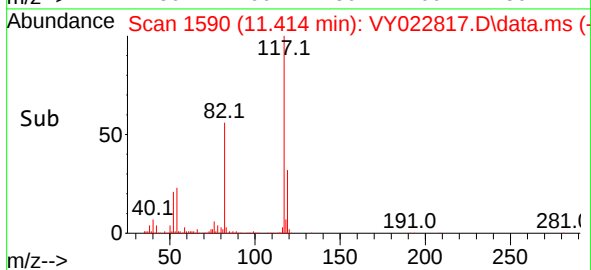
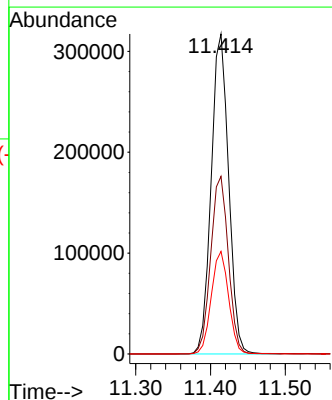
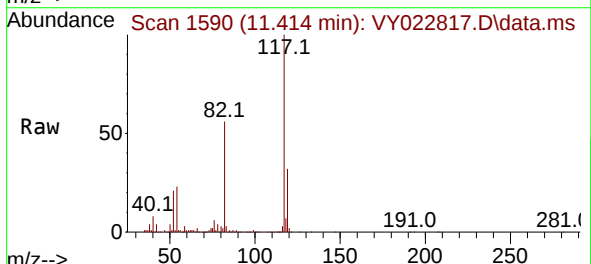
Instrument :
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ClientSampleId :
SU-1-062025

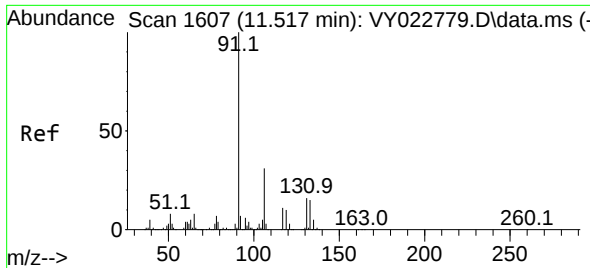
Tgt Ion: 95 Resp: 237563
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 81.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

Tgt Ion: 117 Resp: 513873
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 32.0 25.4 38.0

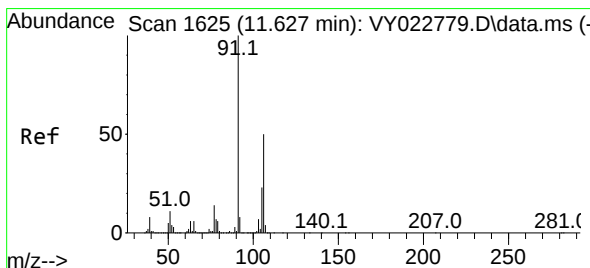
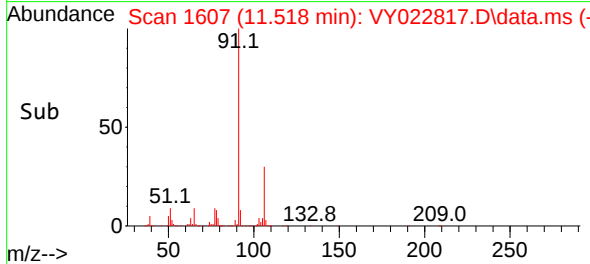
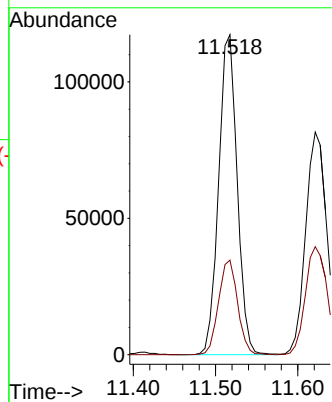
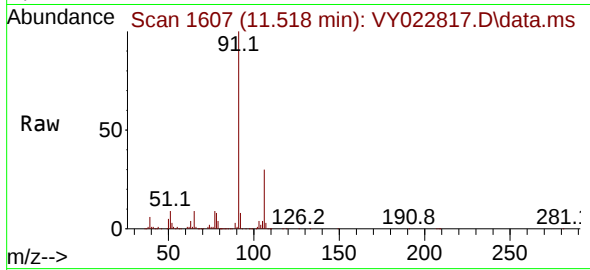




#67
Ethyl Benzene
Concen: 9.263 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

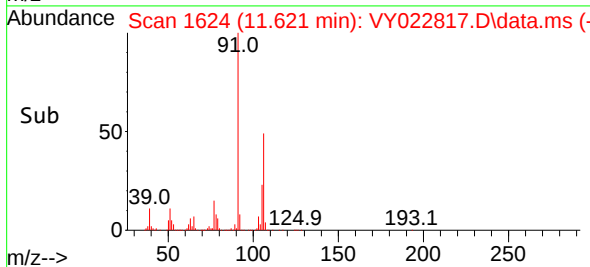
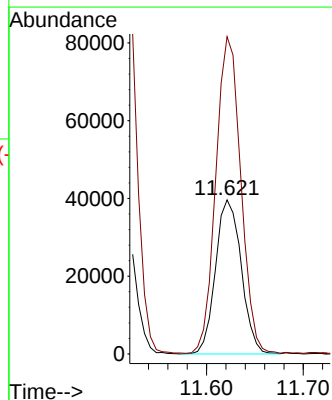
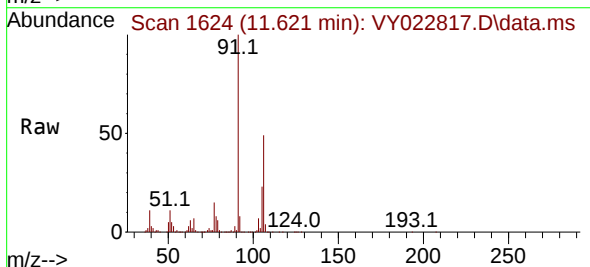
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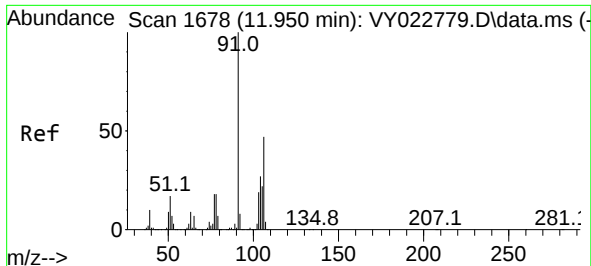
Tgt Ion: 91 Resp: 183765
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4



#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

Tgt Ion: 106 Resp: 73265
Ion Ratio Lower Upper
106 100
91 199.4 159.4 239.0

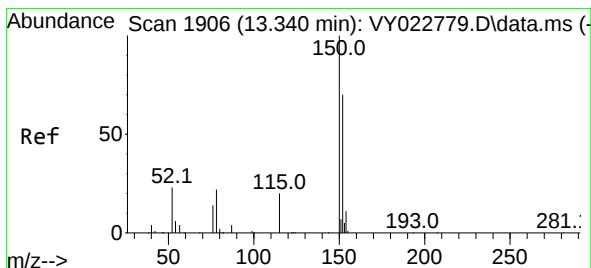
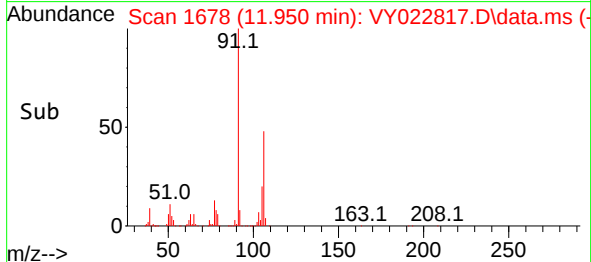
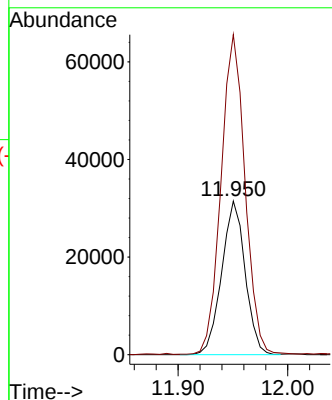
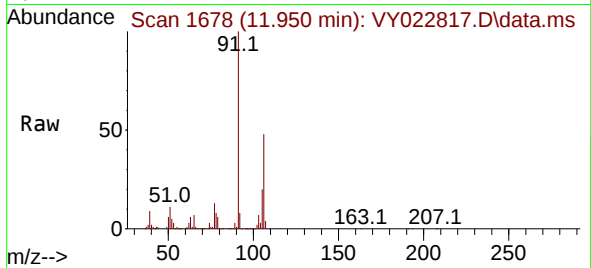




#69
o-Xylene
Concen: 6.482 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

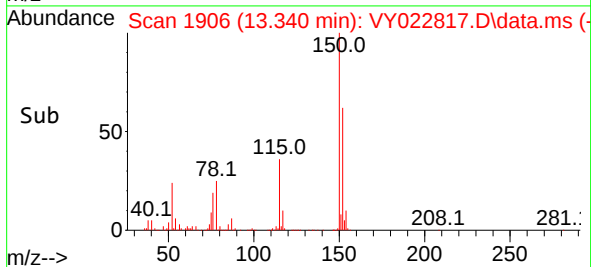
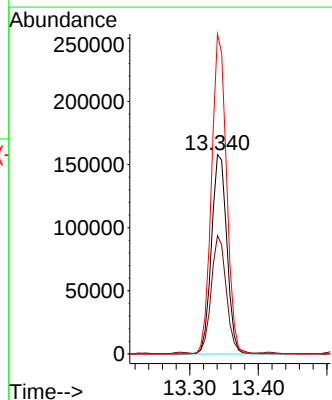
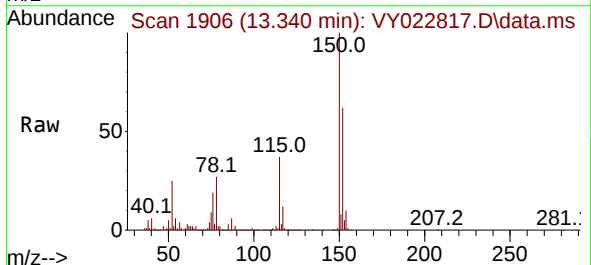
Instrument :
MSVOA_Y
ClientSampleId :
SU-1-062025

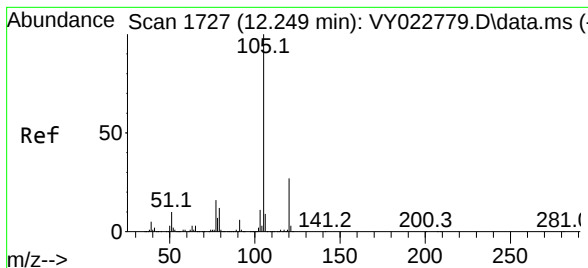
Tgt Ion:106 Resp: 46842
Ion Ratio Lower Upper
106 100
91 212.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022817.D
Acq: 25 Jun 2025 12:11

Tgt Ion:152 Resp: 246299
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 156.7 0.0 349.6





#73

Isopropylbenzene

Concen: 1.156 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY022817.D

Acq: 25 Jun 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

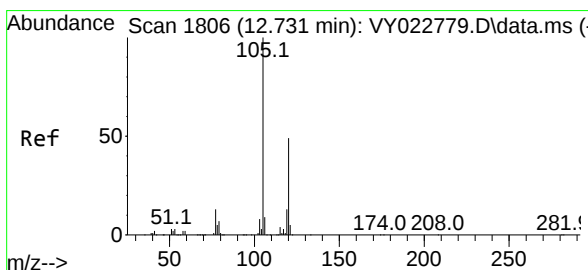
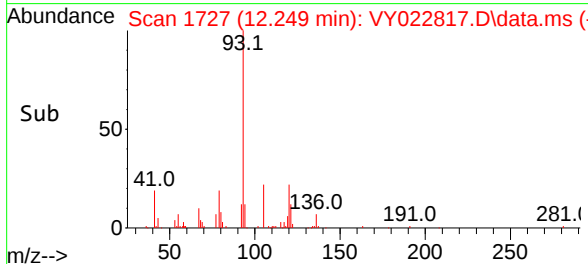
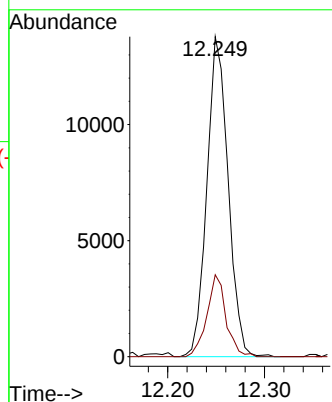
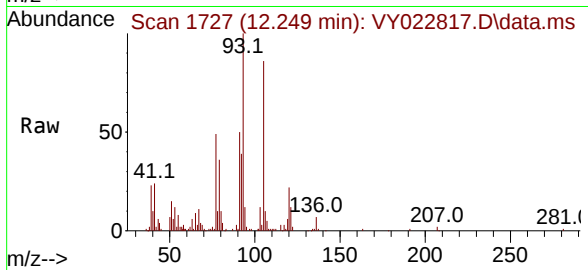
SU-1-062025

Tgt Ion:105 Resp: 21050

Ion Ratio Lower Upper

105 100

120 23.0 13.0 38.9



#80

1,3,5-Trimethylbenzene

Concen: 7.709 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY022817.D

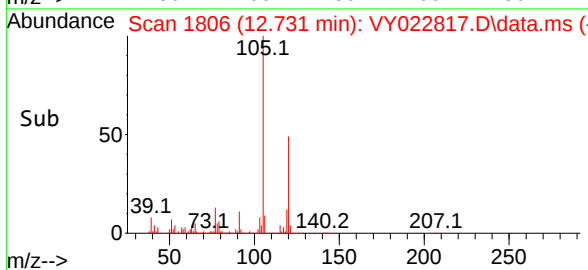
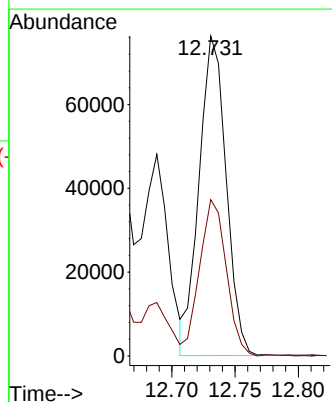
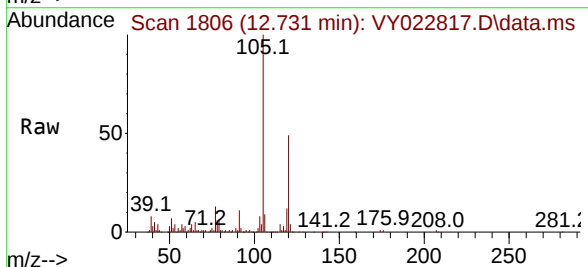
Acq: 25 Jun 2025 12:11

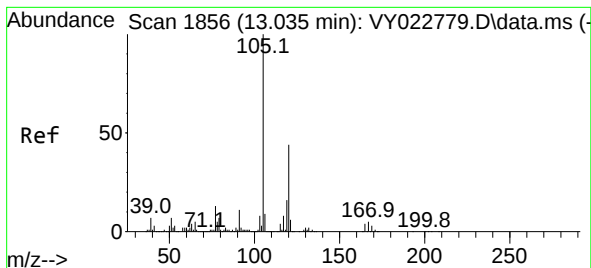
Tgt Ion:105 Resp: 113353

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 13.393 ug/l

RT: 13.042 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VY022817.D

Acq: 25 Jun 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

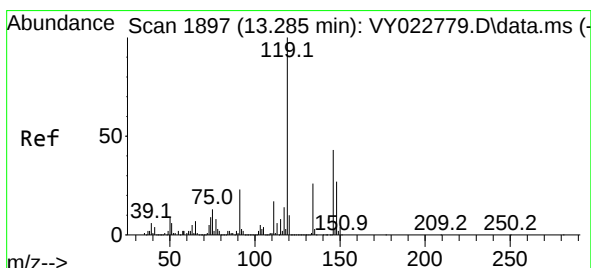
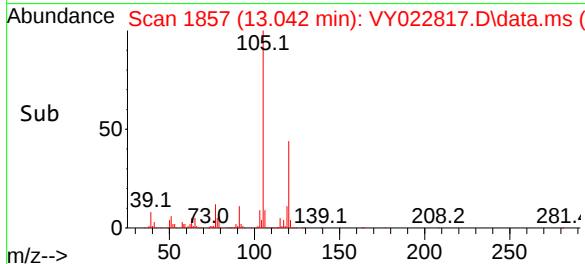
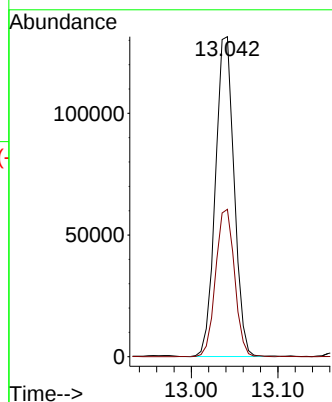
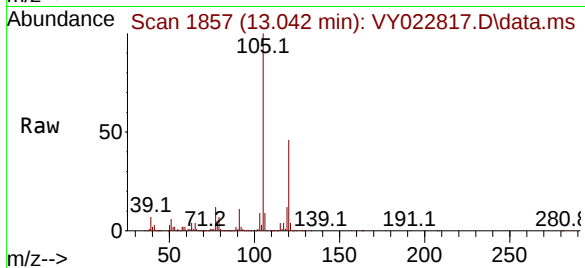
SU-1-062025

Tgt Ion:105 Resp: 197173

Ion Ratio Lower Upper

105 100

120 46.5 22.7 68.1



#86

p-Isopropyltoluene

Concen: 1.499 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022817.D

Acq: 25 Jun 2025 12:11

Tgt Ion:119 Resp: 24338

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

91 0.0 11.6 34.8#

