

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039014.D
 Acq On : 22 Aug 2025 13:48
 Operator : SY/MD
 Sample : Q2924-05DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2B-082025DL

Quant Time: Aug 25 02:22:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

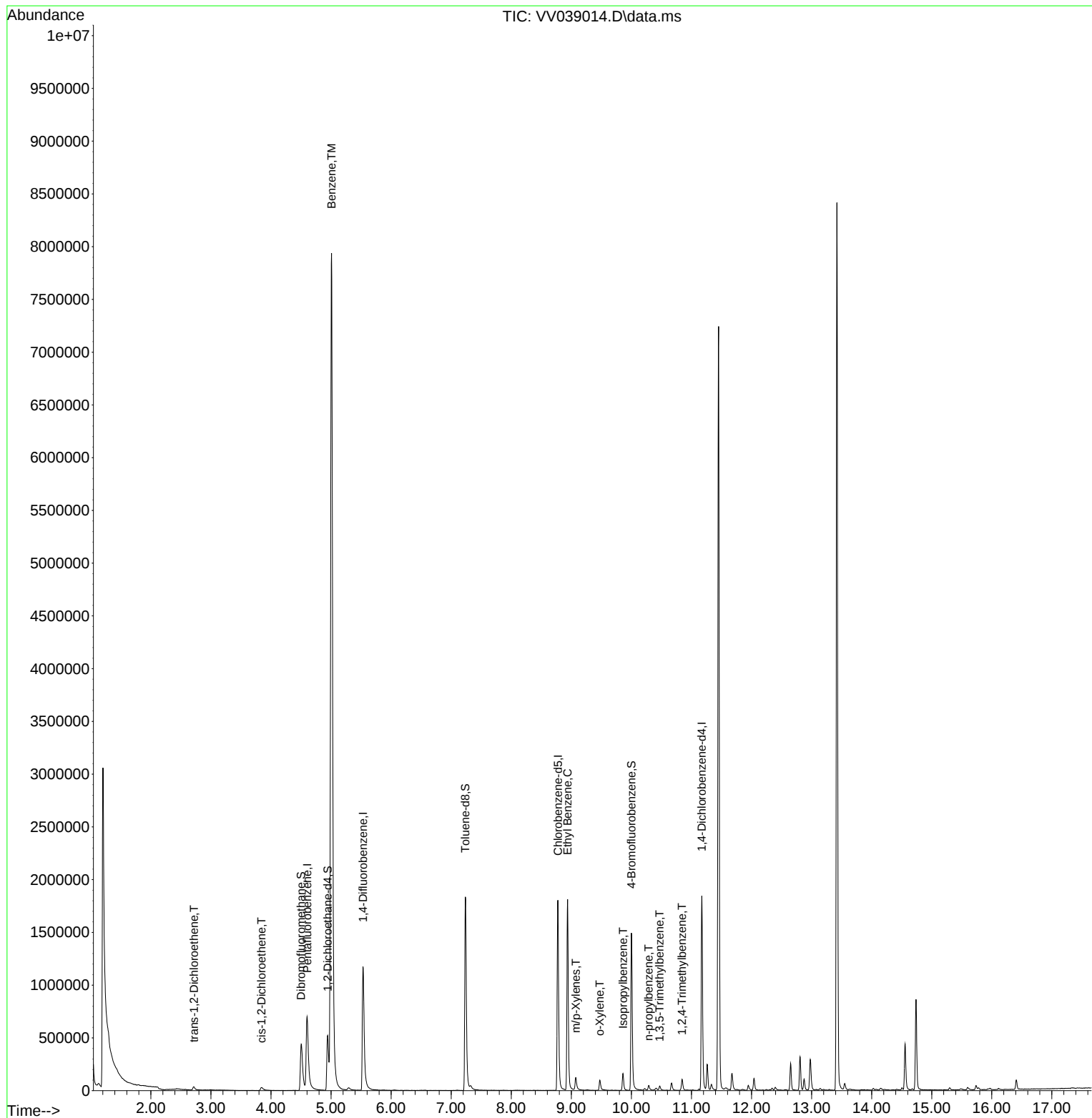
Internal Standards						
1) Pentafluorobenzene	4.603	168	617177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1163830	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1033790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	477379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	447639	51.690	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 103.380%	
35) Dibromofluoromethane	4.503	113	379604	43.492	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 86.980%	
50) Toluene-d8	7.236	98	1331403	43.745	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 87.500%#	
62) 4-Bromofluorobenzene	10.001	95	528449	47.462	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 94.920%	
Target Compounds						
21) trans-1,2-Dichloroethene	2.719	96	11132	1.526	ug/l	89
27) cis-1,2-Dichloroethene	3.841	96	20792	2.361	ug/l	98
40) Benzene	5.008	78	9028696	254.315	ug/l	100
67) Ethyl Benzene	8.937	91	1287476	33.835	ug/l	100
68) m/p-Xylenes	9.075	106	36612	2.477	ug/l	81
69) o-Xylene	9.474	106	28600	2.123	ug/l	96
73) Isopropylbenzene	9.860	105	105645	3.298	ug/l	100
78) n-propylbenzene	10.288	91	38622	1.010	ug/l	97
80) 1,3,5-Trimethylbenzene	10.471	105	24104	0.894	ug/l	94
84) 1,2,4-Trimethylbenzene	10.844	105	57118	2.214	ug/l	98

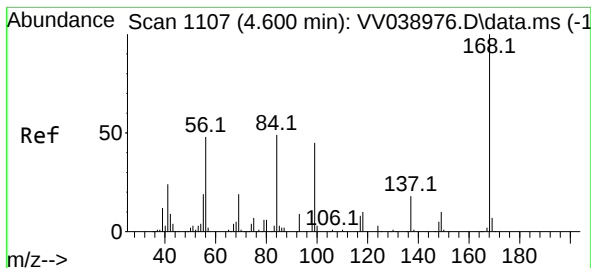
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

Instrument :

MSVOA_V

ClientSampleId :

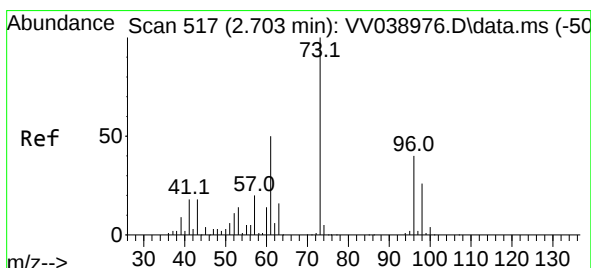
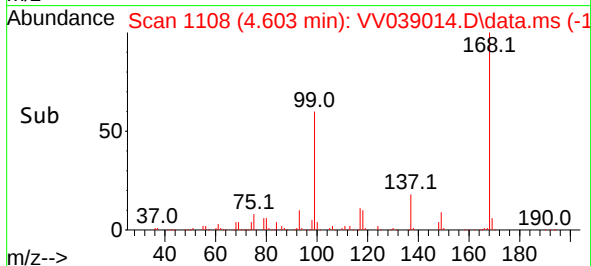
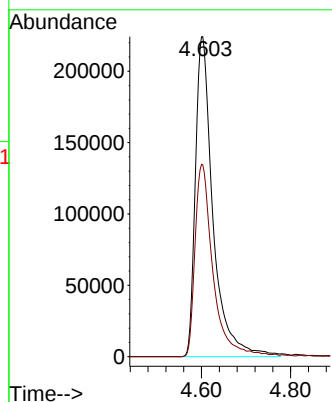
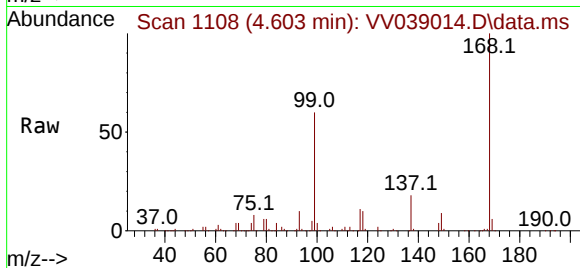
MW-2B-082025DL

Tgt Ion:168 Resp: 617177

Ion Ratio Lower Upper

168 100

99 60.0 47.0 70.6



#21

trans-1,2-Dichloroethene

Concen: 1.526 ug/l

RT: 2.719 min Scan# 522

Delta R.T. 0.016 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

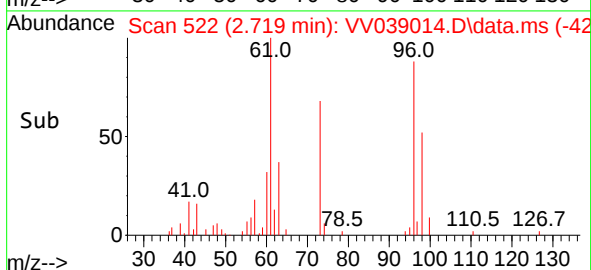
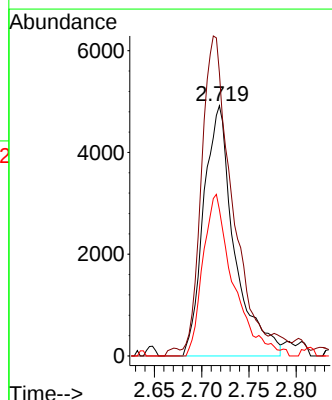
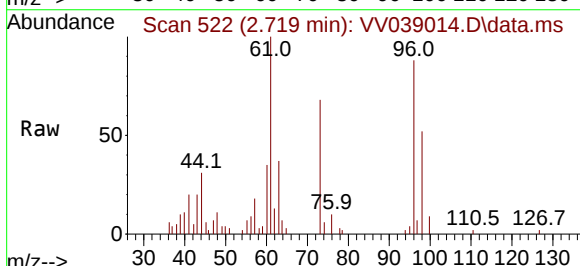
Tgt Ion: 96 Resp: 11132

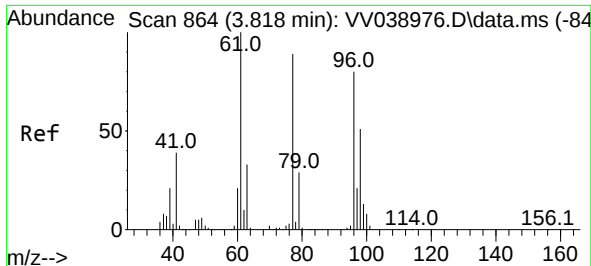
Ion Ratio Lower Upper

96 100

61 110.8 100.6 151.0

98 58.5 51.5 77.3

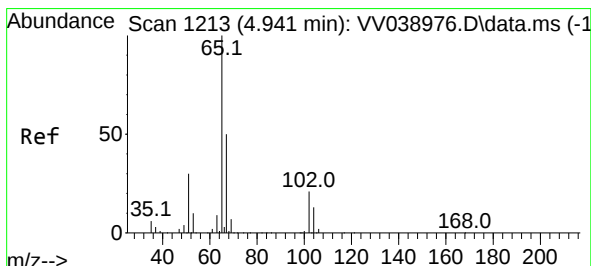
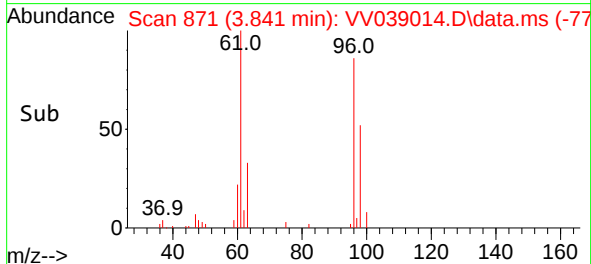
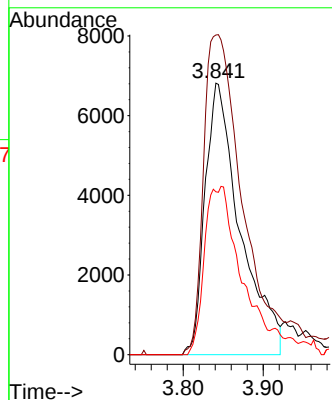
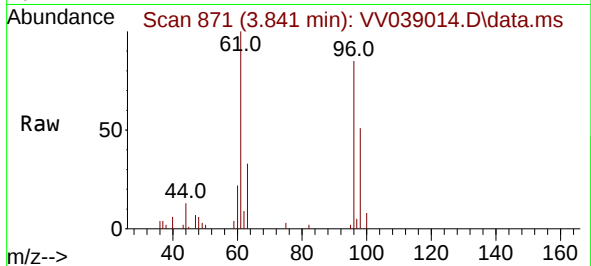




#27
 cis-1,2-Dichloroethene
 Concen: 2.361 ug/l
 RT: 3.841 min Scan# 81
 Delta R.T. 0.023 min
 Lab File: VV039014.D
 Acq: 22 Aug 2025 13:48

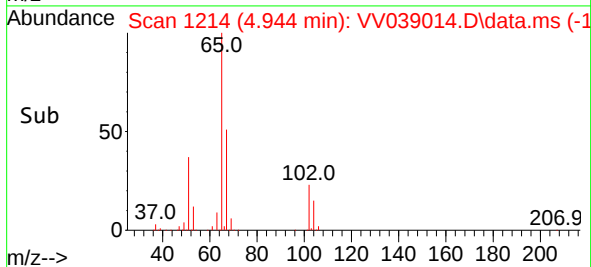
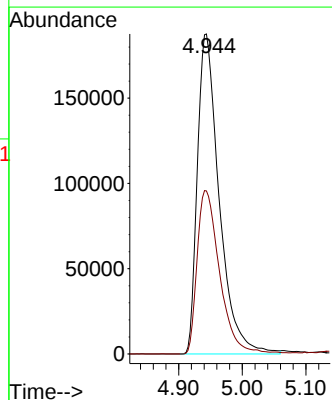
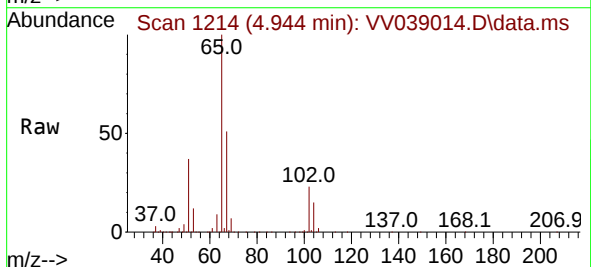
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2B-082025DL

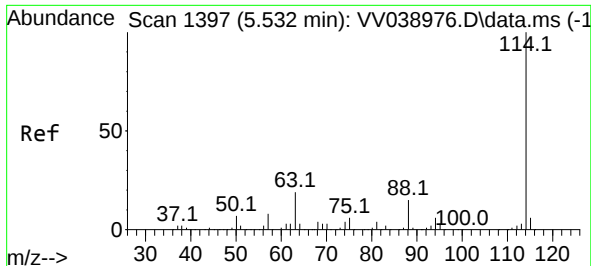
Tgt Ion: 96 Resp: 20792
 Ion Ratio Lower Upper
 96 100
 61 129.6 0.0 264.4
 98 63.4 0.0 131.8



#33
 1,2-Dichloroethane-d4
 Concen: 51.690 ug/l
 RT: 4.944 min Scan# 1214
 Delta R.T. 0.003 min
 Lab File: VV039014.D
 Acq: 22 Aug 2025 13:48

Tgt Ion: 65 Resp: 447639
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 100.4

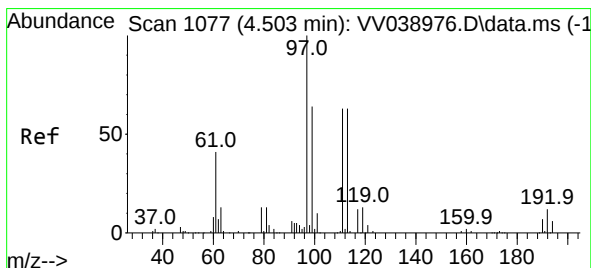
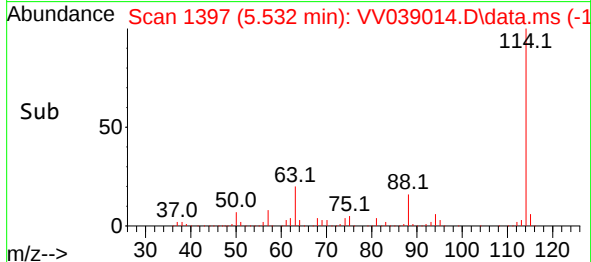
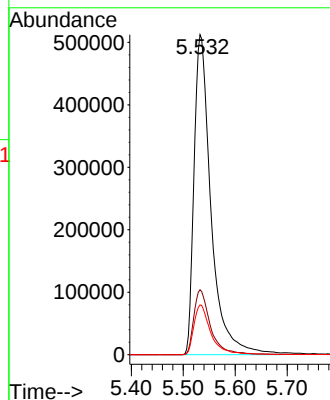
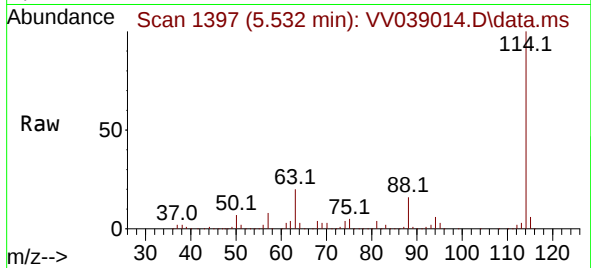




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

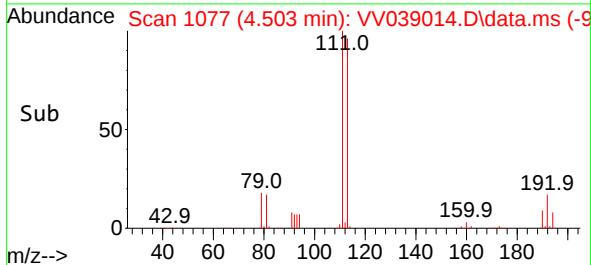
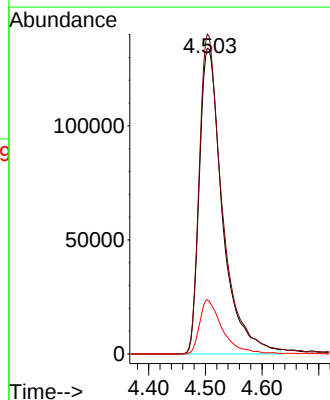
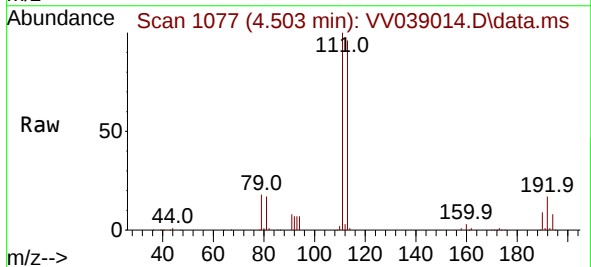
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

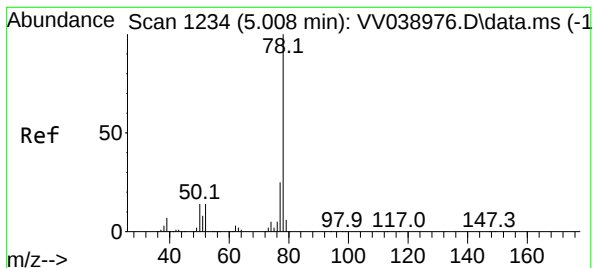
Tgt Ion:114 Resp: 1163830
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.4
88 15.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.492 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:113 Resp: 379604
Ion Ratio Lower Upper
113 100
111 104.8 81.3 121.9
192 17.3 15.4 23.0





#40

Benzene

Concen: 254.315 ug/l

RT: 5.008 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

Instrument :

MSVOA_V

ClientSampleId :

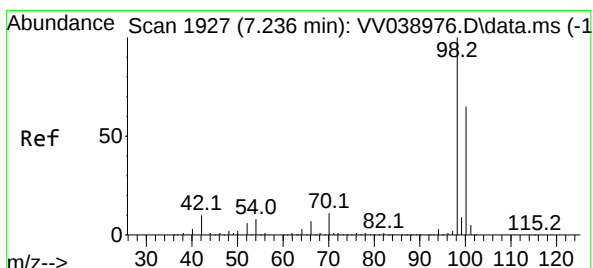
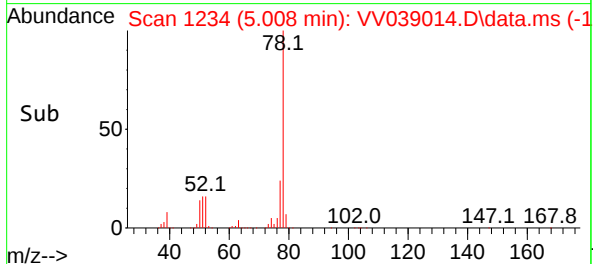
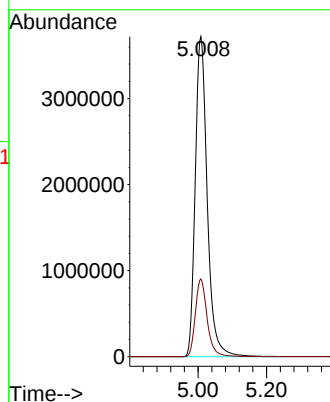
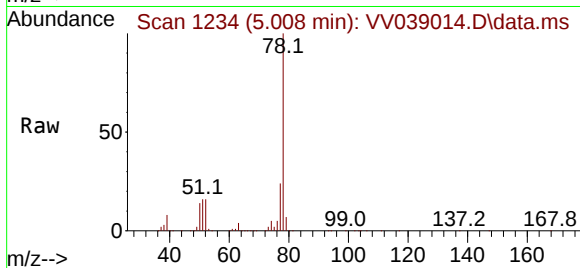
MW-2B-082025DL

Tgt Ion: 78 Resp: 9028696

Ion Ratio Lower Upper

78 100

77 24.3 19.6 29.4



#50

Toluene-d8

Concen: 43.745 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV039014.D

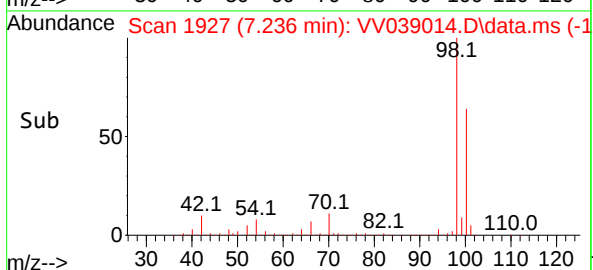
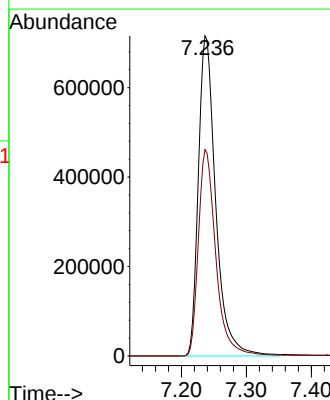
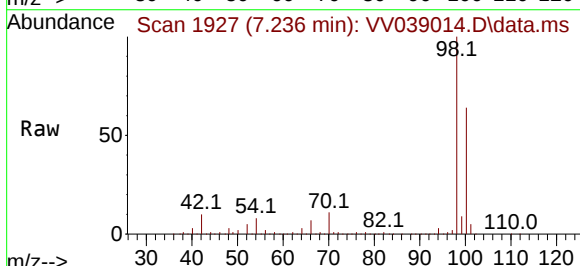
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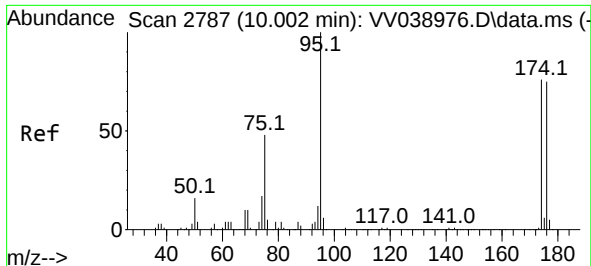
Tgt Ion: 98 Resp: 1331403

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 47.462 ug/l

RT: 10.001 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

Instrument :

MSVOA_V

ClientSampleId :

MW-2B-082025DL

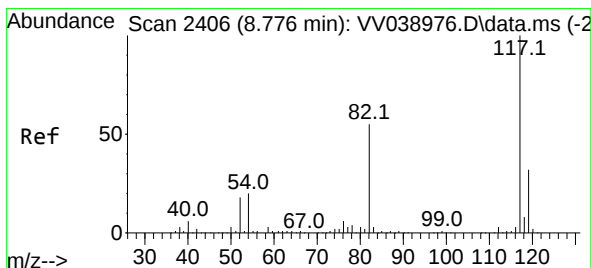
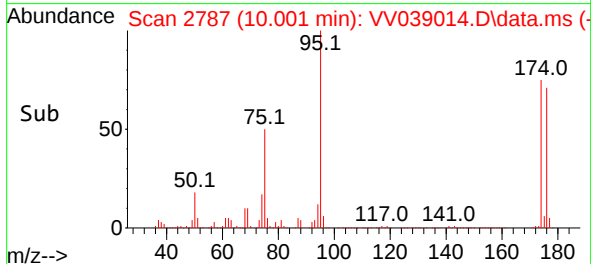
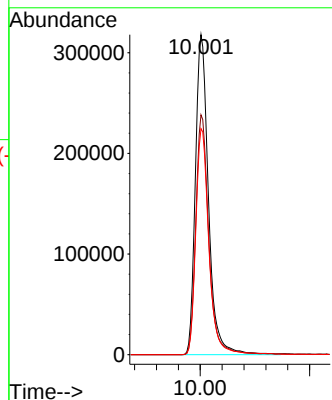
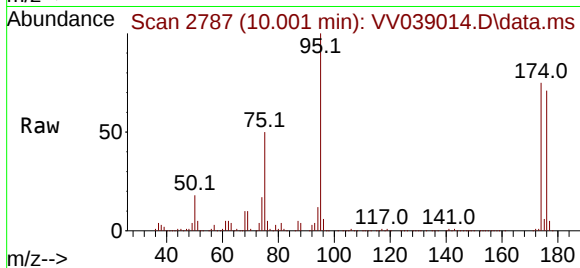
Tgt Ion: 95 Resp: 528449

Ion Ratio Lower Upper

95 100

174 74.1 0.0 154.4

176 70.5 0.0 148.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2406

Delta R.T. 0.000 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

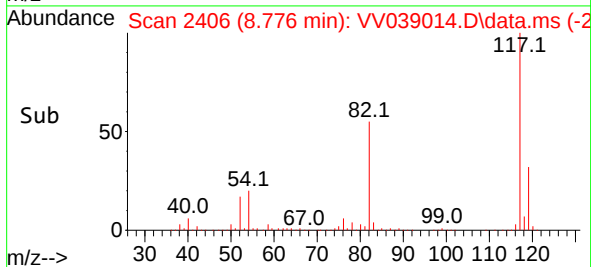
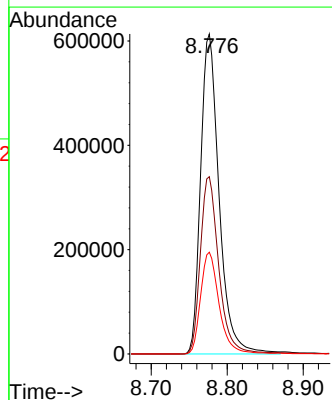
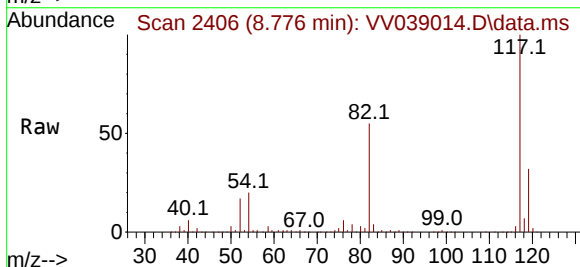
Tgt Ion: 117 Resp: 1033790

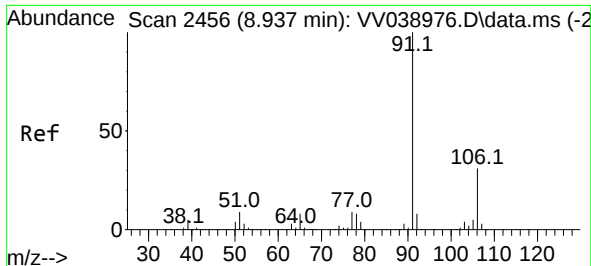
Ion Ratio Lower Upper

117 100

82 55.4 44.4 66.6

119 31.8 26.0 39.0





#67

Ethyl Benzene

Concen: 33.835 ug/l

RT: 8.937 min Scan# 2456

Delta R.T. -0.000 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

Instrument :

MSVOA_V

ClientSampleId :

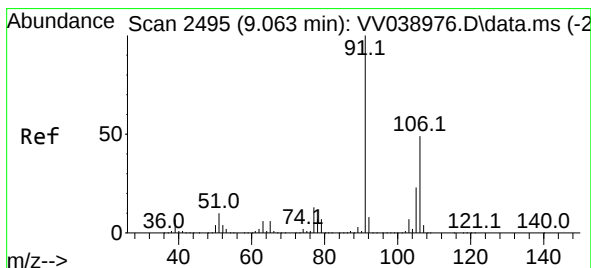
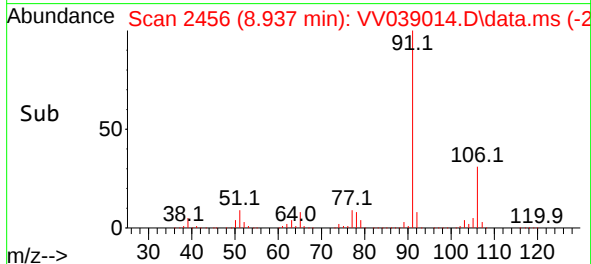
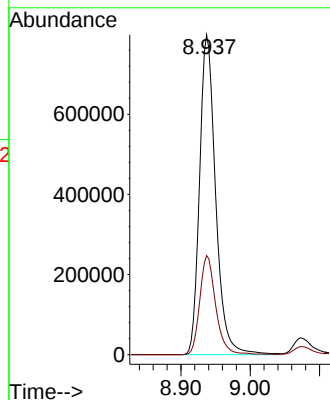
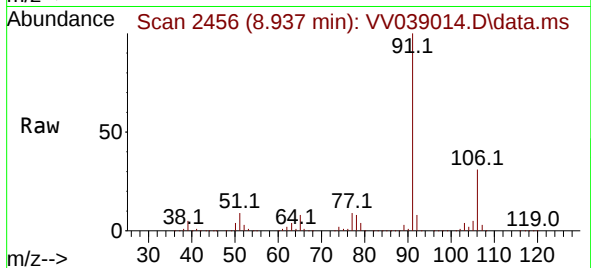
MW-2B-082025DL

Tgt Ion: 91 Resp: 1287476

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 2.477 ug/l

RT: 9.075 min Scan# 2499

Delta R.T. 0.013 min

Lab File: VV039014.D

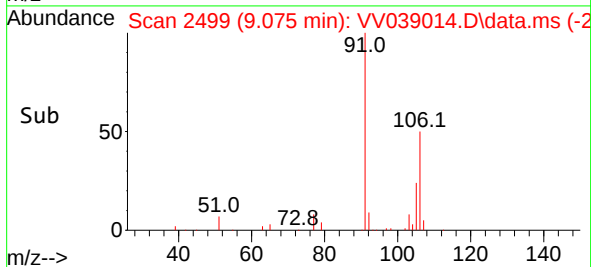
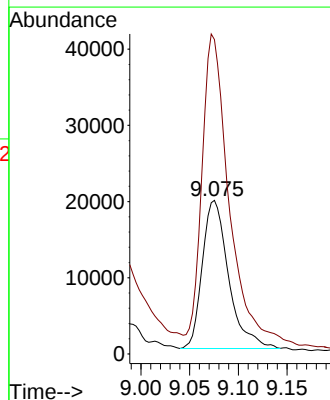
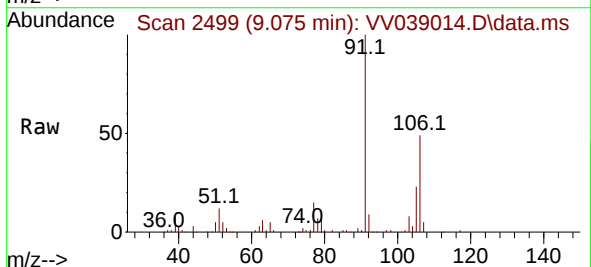
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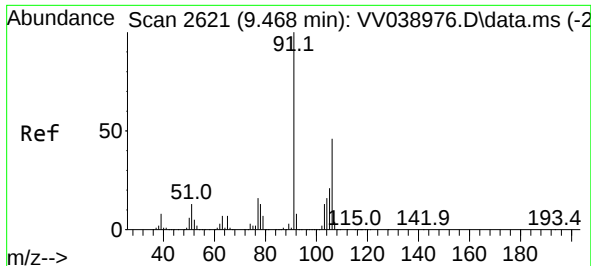
Tgt Ion: 106 Resp: 36612

Ion Ratio Lower Upper

106 100

91 233.2 163.6 245.4

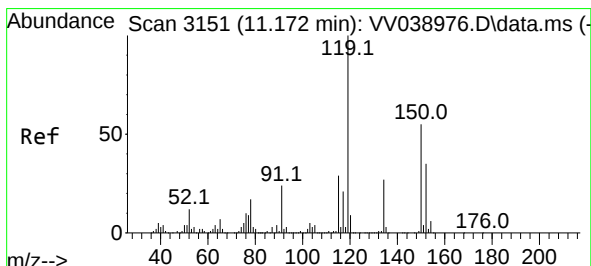
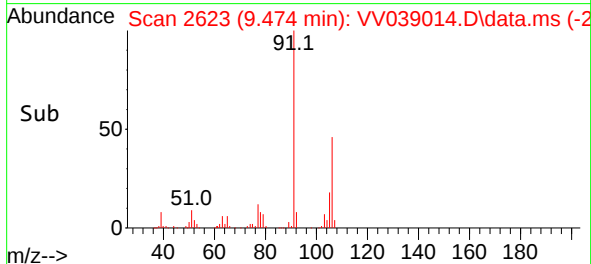
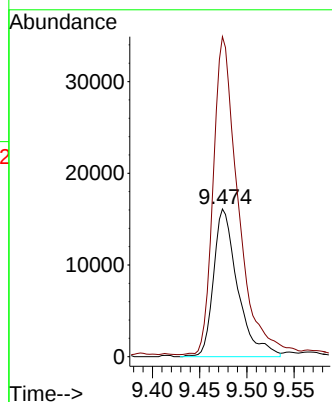
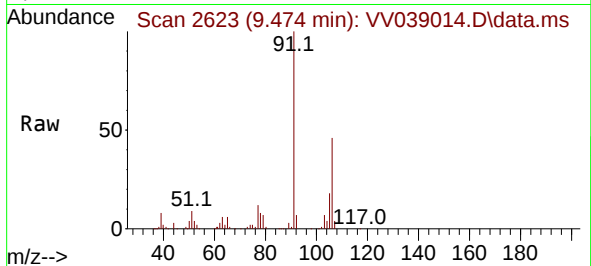




#69
o-Xylene
Concen: 2.123 ug/l
RT: 9.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

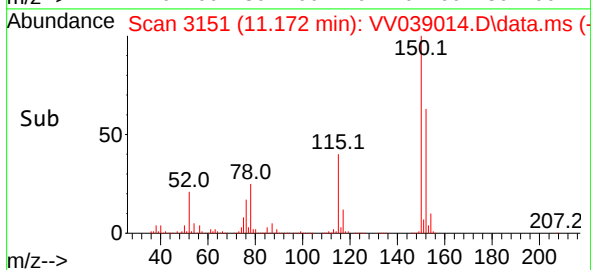
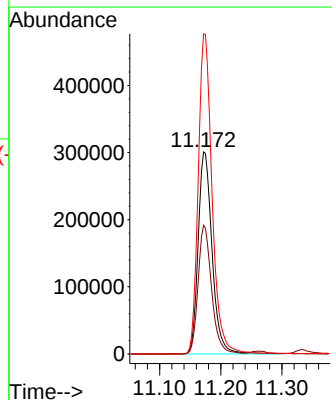
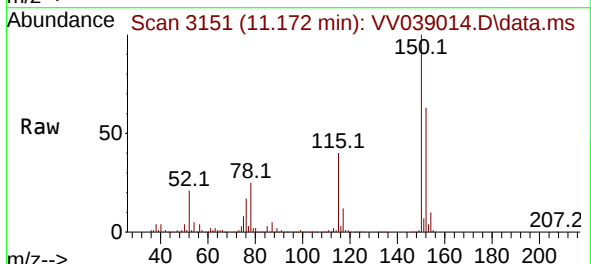
Instrument :
MSVOA_V
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MW-2B-082025DL

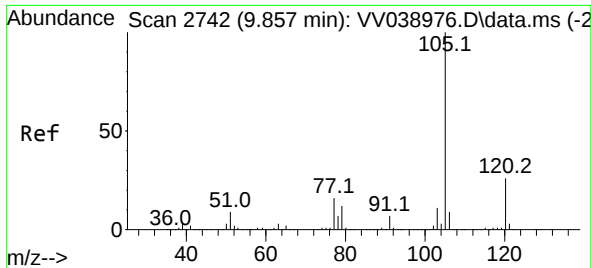
Tgt Ion:106 Resp: 28600
Ion Ratio Lower Upper
106 100
91 222.2 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:152 Resp: 477379
Ion Ratio Lower Upper
152 100
115 61.3 42.5 127.5
150 157.2 0.0 344.8

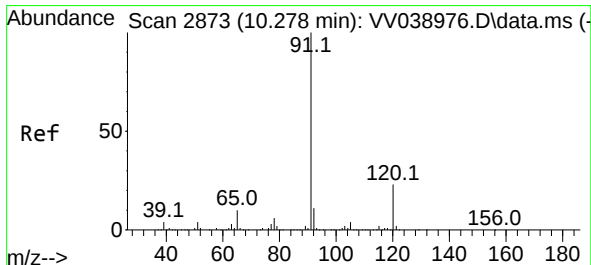
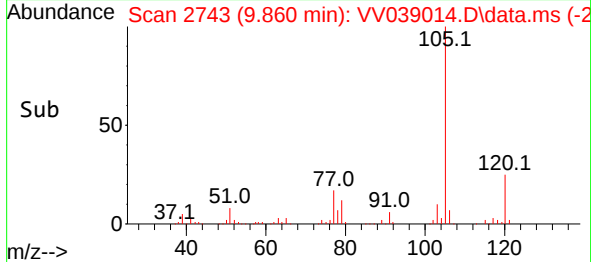
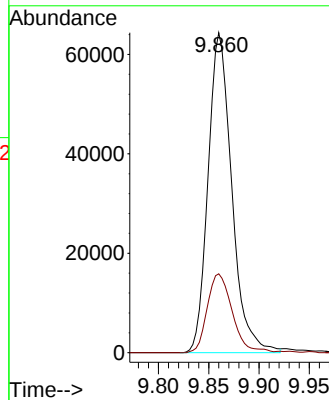
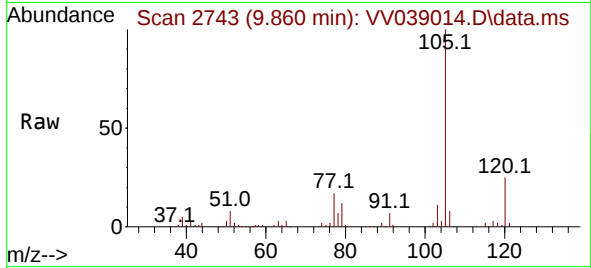




#73
Isopropylbenzene
Concen: 3.298 ug/l
RT: 9.860 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

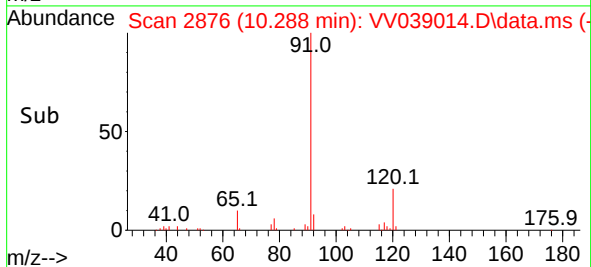
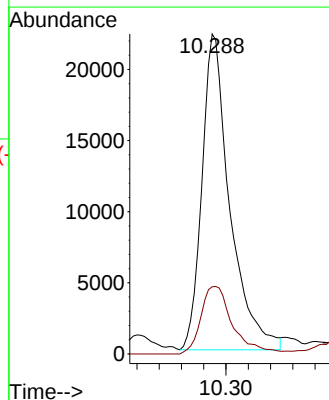
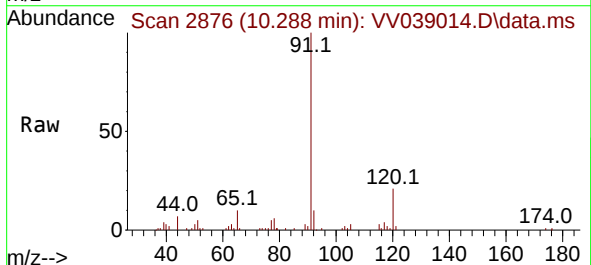
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

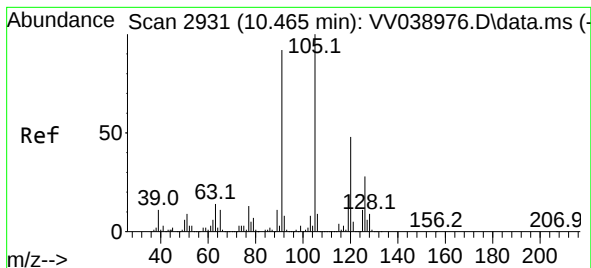
Tgt Ion:105 Resp: 105645
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.1



#78
n-propylbenzene
Concen: 1.010 ug/l
RT: 10.288 min Scan# 2876
Delta R.T. 0.010 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion: 91 Resp: 38622
Ion Ratio Lower Upper
91 100
120 24.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.894 ug/l

RT: 10.471 min Scan# 2931

Delta R.T. 0.006 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

Instrument :

MSVOA_V

ClientSampleId :

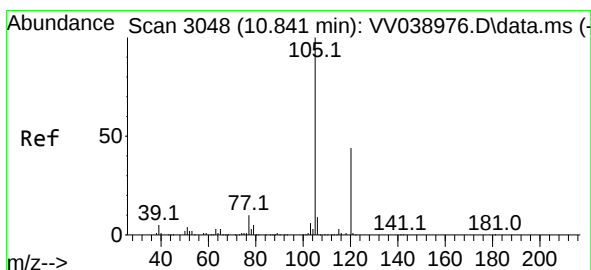
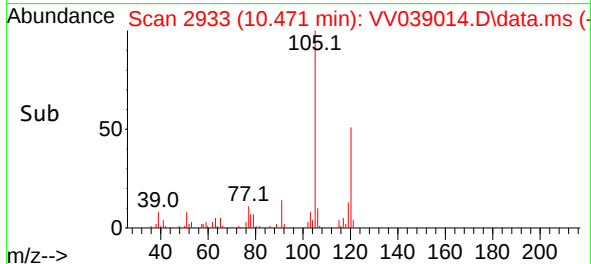
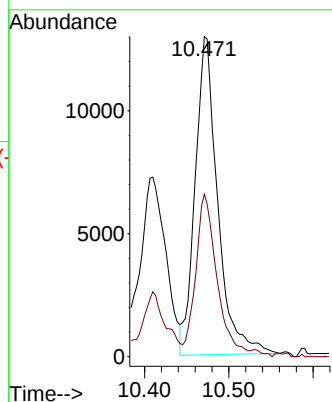
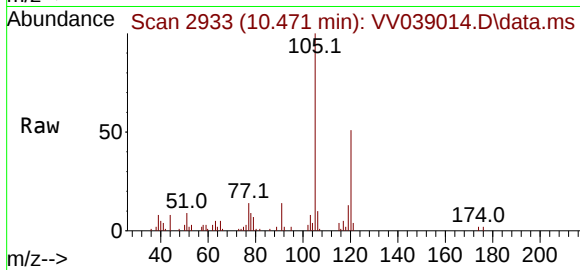
MW-2B-082025DL

Tgt Ion:105 Resp: 24104

Ion Ratio Lower Upper

105 100

120 43.8 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 2.214 ug/l

RT: 10.844 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VV039014.D

Acq: 22 Aug 2025 13:48

Tgt Ion:105 Resp: 57118

Ion Ratio Lower Upper

105 100

120 44.2 22.8 68.3

