

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039018.D
 Acq On : 22 Aug 2025 15:27
 Operator : SY/MD
 Sample : Q2924-02DL2 400X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-201-082025DL2

Quant Time: Aug 25 02:24:45 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)

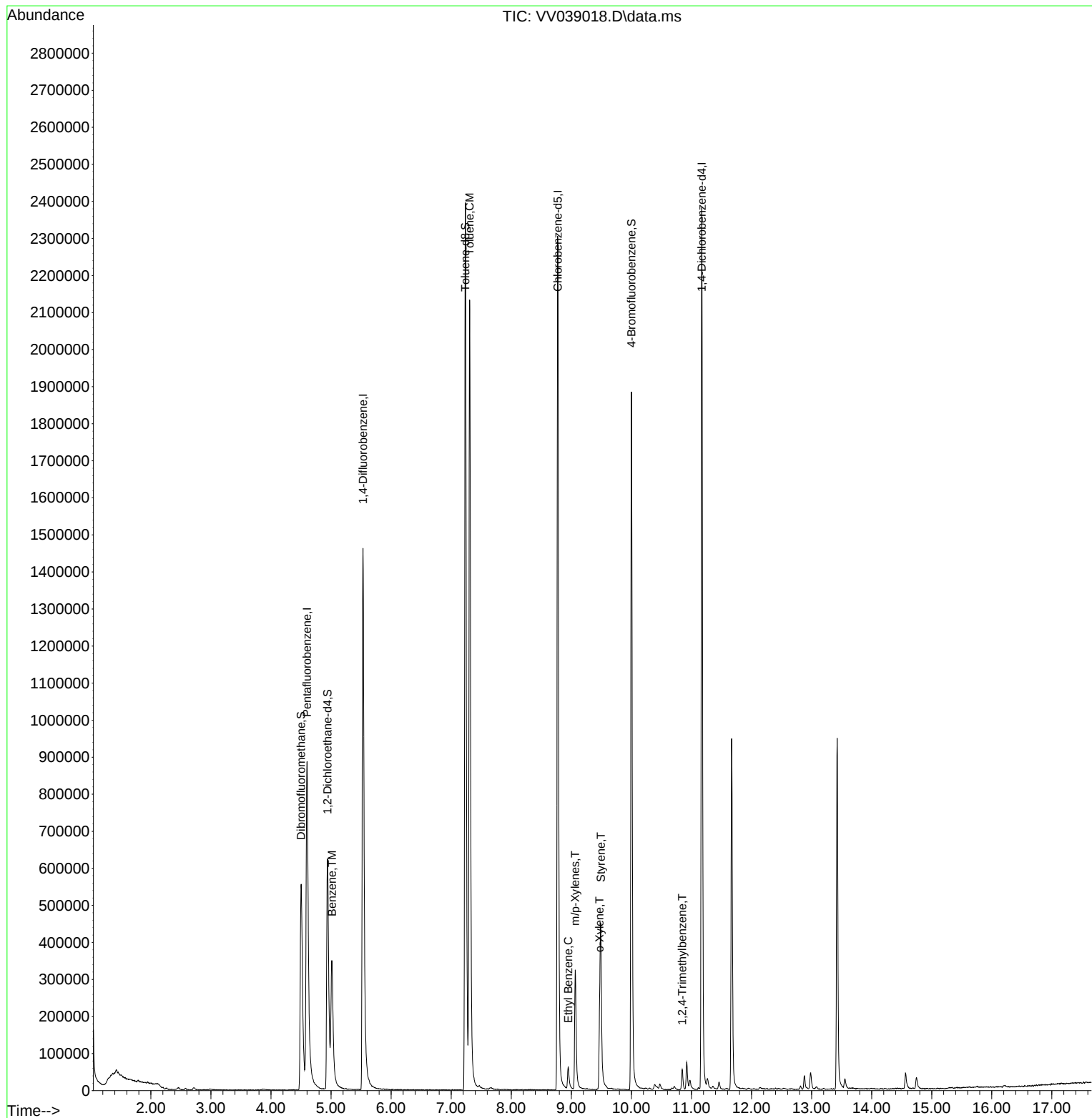
Internal Standards						
1) Pentafluorobenzene	4.600	168	766342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1437458	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1305700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	617094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	550861	51.228	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 102.460%	
35) Dibromofluoromethane	4.503	113	477466	44.291	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 88.580%	
50) Toluene-d8	7.236	98	1663060	44.241	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 88.480%#	
62) 4-Bromofluorobenzene	10.001	95	641035	46.615	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 93.220%	
Target Compounds						
						Qvalue
40) Benzene	5.015	78	405522	9.248	ug/l	98
52) Toluene	7.307	92	974038	35.075	ug/l	99
67) Ethyl Benzene	8.950	91	49464	1.029	ug/l	95
68) m/p-Xylenes	9.066	106	102083	5.469	ug/l	99
69) o-Xylene	9.471	106	54870	3.225	ug/l	94
70) Styrene	9.490	104	230738	7.905	ug/l	93
84) 1,2,4-Trimethylbenzene	10.847	105	30737	0.922	ug/l	98

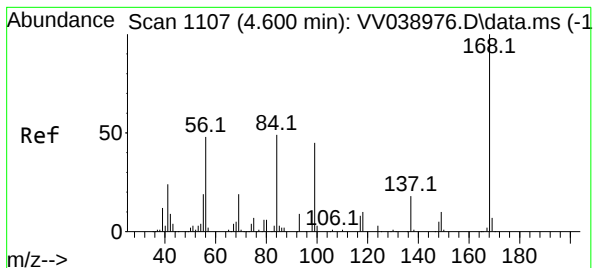
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV039018.D

Acq: 22 Aug 2025 15:27

Instrument :

MSVOA_V

ClientSampleId :

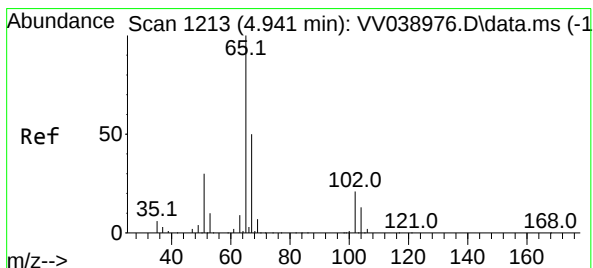
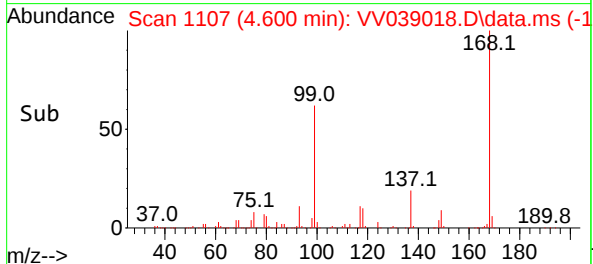
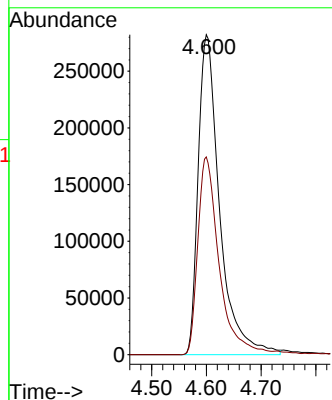
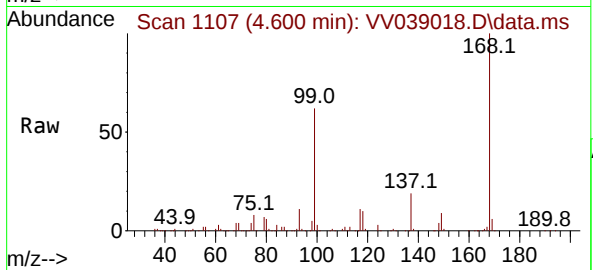
MW-201-082025DL2

Tgt Ion:168 Resp: 766342

Ion Ratio Lower Upper

168 100

99 61.8 47.0 70.6



#33

1,2-Dichloroethane-d4

Concen: 51.228 ug/l

RT: 4.941 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VV039018.D

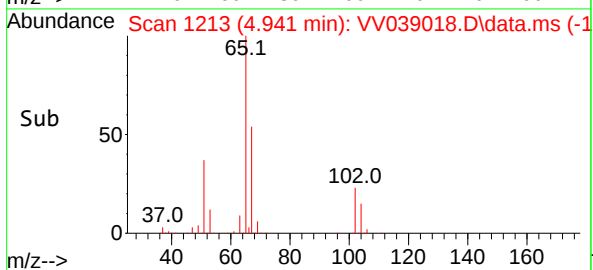
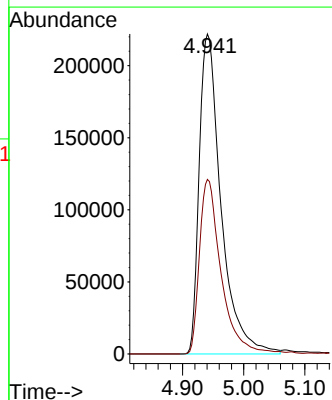
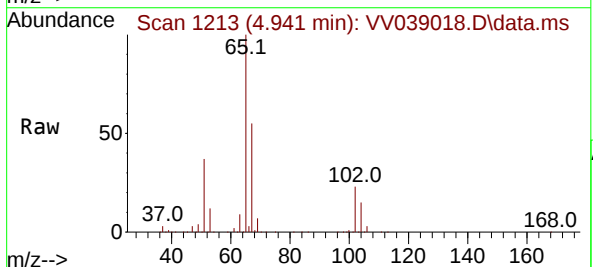
Acq: 22 Aug 2025 15:27

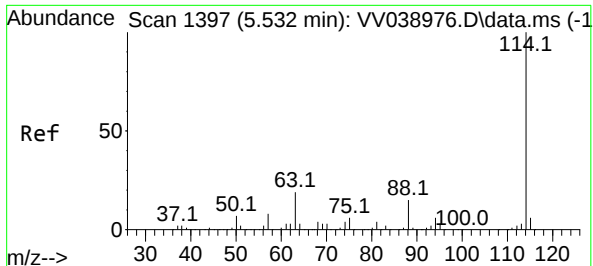
Tgt Ion: 65 Resp: 550861

Ion Ratio Lower Upper

65 100

67 54.1 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039018.D

Acq: 22 Aug 2025 15:27

Instrument :

MSVOA_V

ClientSampleId :

MW-201-082025DL2

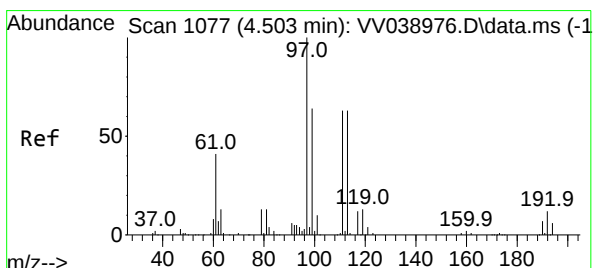
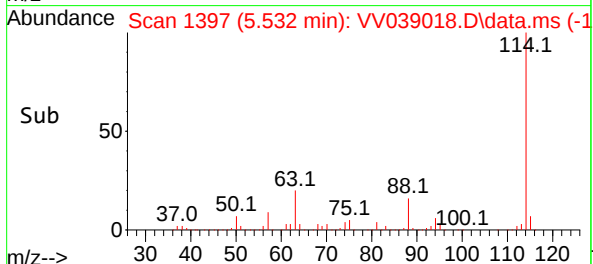
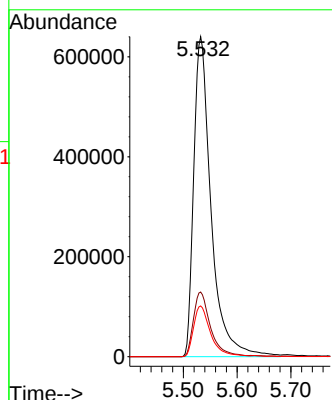
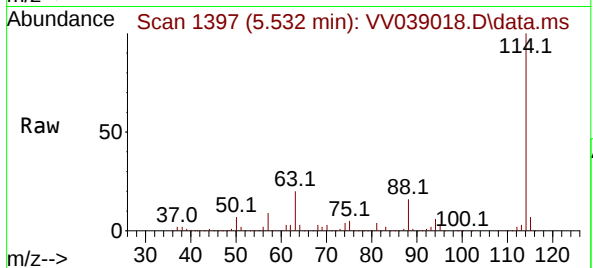
Tgt Ion:114 Resp: 1437458

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.9 0.0 30.4



#35

Dibromofluoromethane

Concen: 44.291 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV039018.D

Acq: 22 Aug 2025 15:27

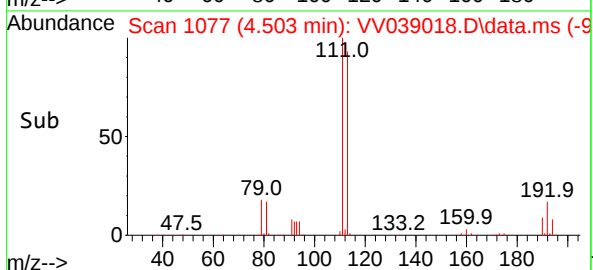
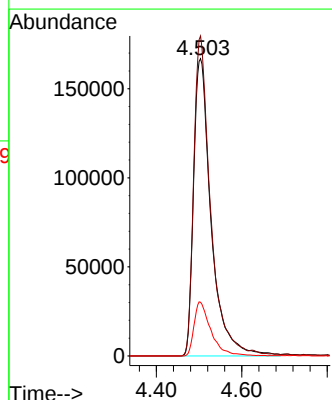
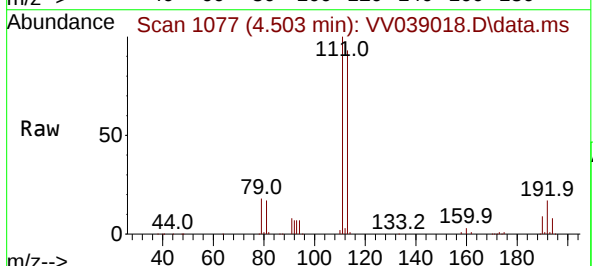
Tgt Ion:113 Resp: 477466

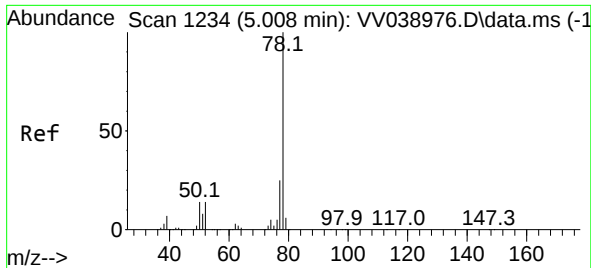
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 17.4 15.4 23.0

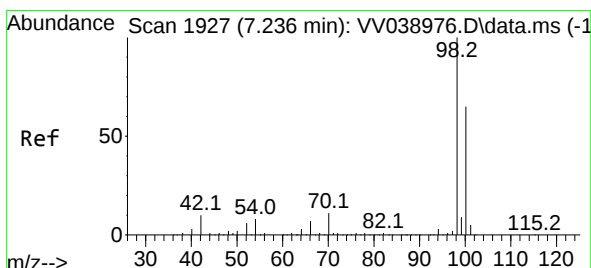
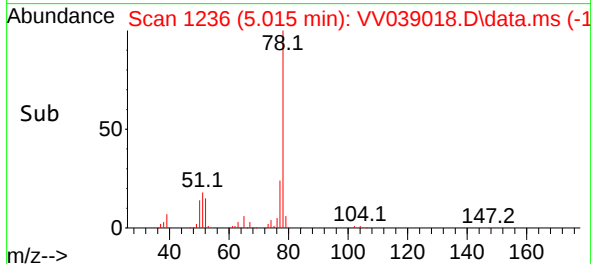
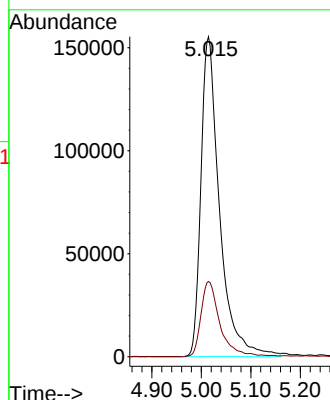
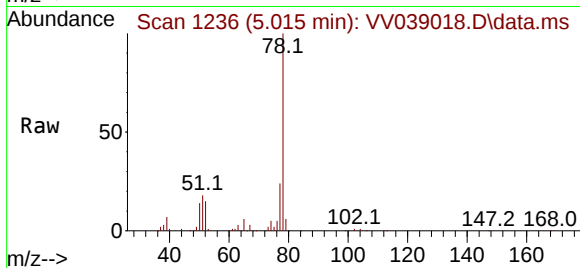




#40
Benzene
Concen: 9.248 ug/l
RT: 5.015 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

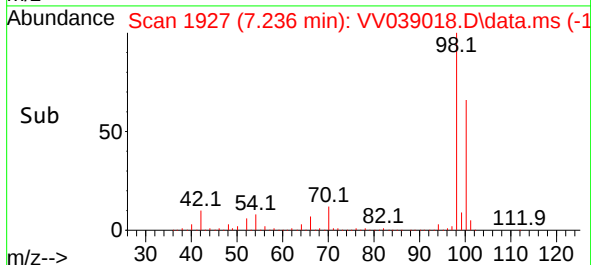
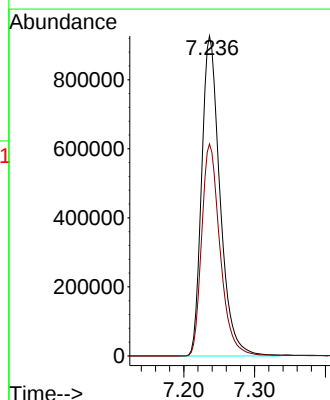
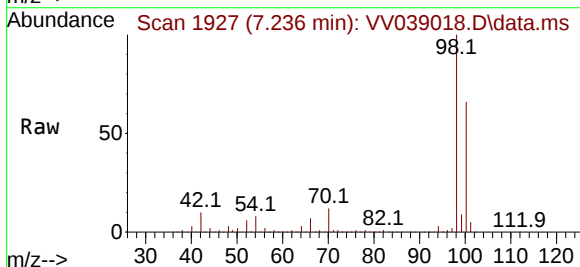
Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

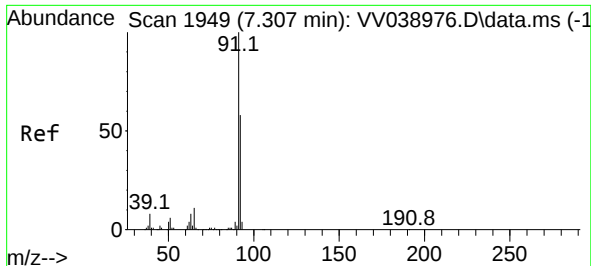
Tgt Ion: 78 Resp: 405522
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4



#50
Toluene-d8
Concen: 44.241 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 98 Resp: 1663060
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2

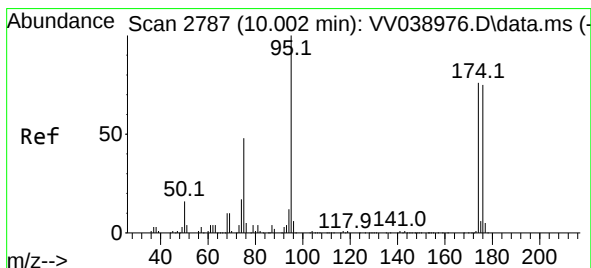
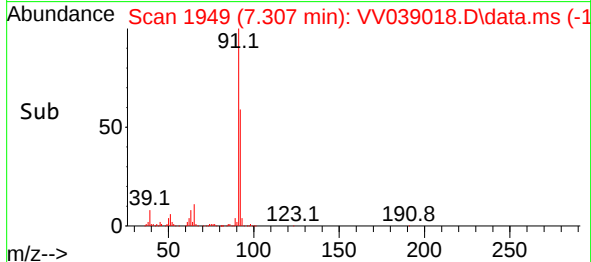
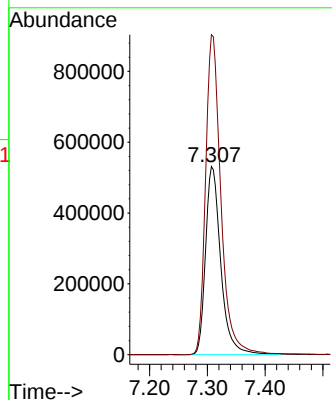
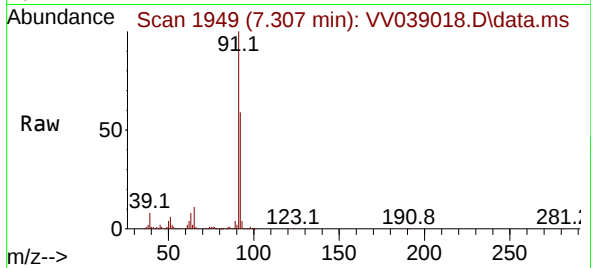




#52
Toluene
Concen: 35.075 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

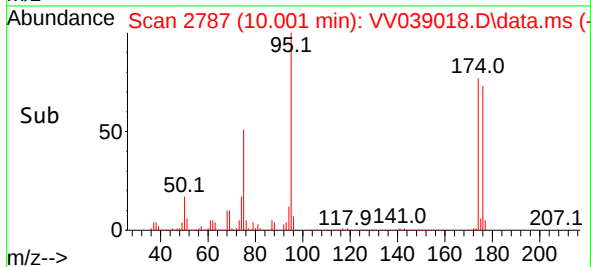
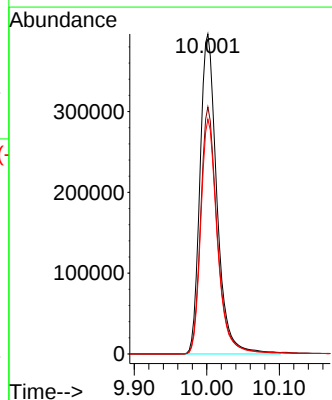
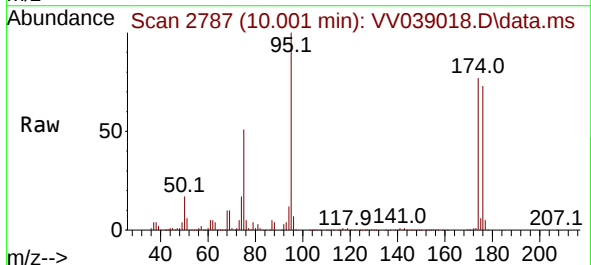
Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

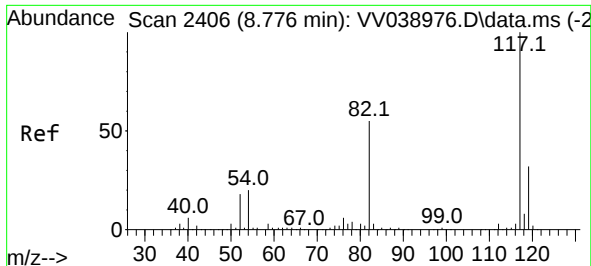
Tgt Ion: 92 Resp: 974038
Ion Ratio Lower Upper
92 100
91 171.3 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 46.615 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 95 Resp: 641035
Ion Ratio Lower Upper
95 100
174 75.9 0.0 154.4
176 72.7 0.0 148.6

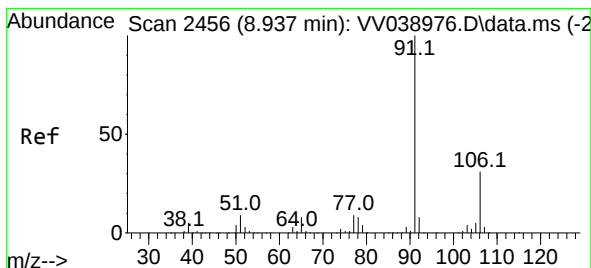
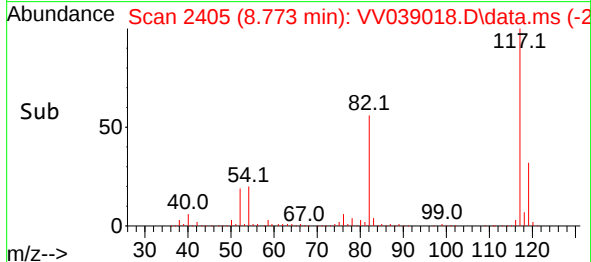
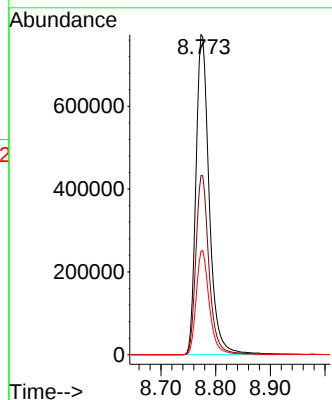
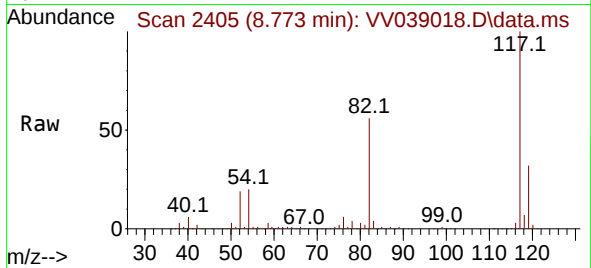




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

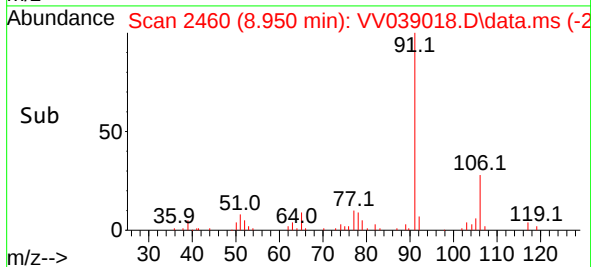
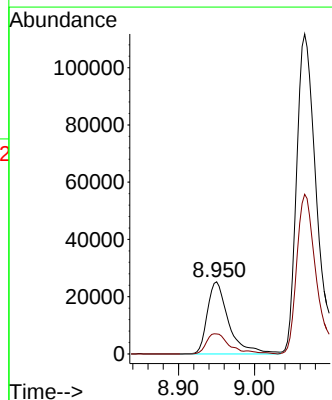
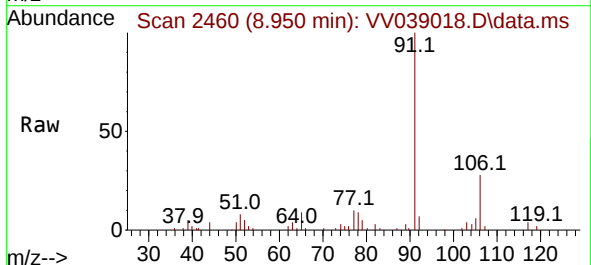
Instrument :
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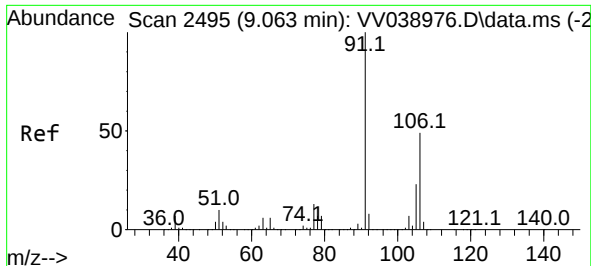
Tgt Ion:117 Resp: 1305700
Ion Ratio Lower Upper
117 100
82 56.0 44.4 66.6
119 32.3 26.0 39.0



#67
Ethyl Benzene
Concen: 1.029 ug/l
RT: 8.950 min Scan# 2460
Delta R.T. 0.013 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 91 Resp: 49464
Ion Ratio Lower Upper
91 100
106 27.7 24.6 36.8





#68

m/p-Xylenes

Concen: 5.469 ug/l

RT: 9.066 min Scan# 2495

Delta R.T. 0.003 min

Lab File: VV039018.D

Acq: 22 Aug 2025 15:27

Instrument :

MSVOA_V

ClientSampleId :

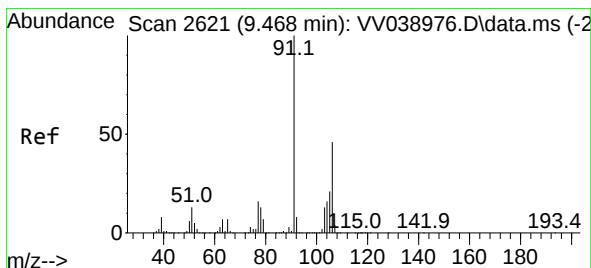
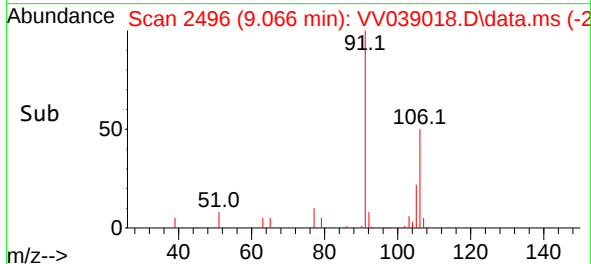
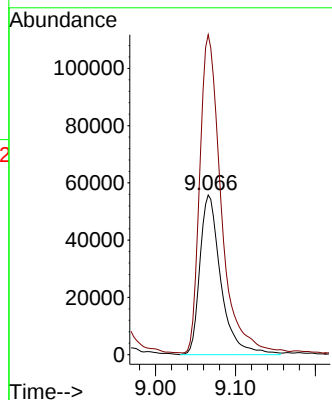
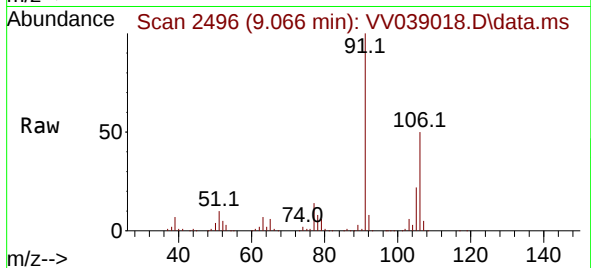
MW-201-082025DL2

Tgt Ion:106 Resp: 102083

Ion Ratio Lower Upper

106 100

91 202.3 163.6 245.4



#69

o-Xylene

Concen: 3.225 ug/l

RT: 9.471 min Scan# 2622

Delta R.T. 0.003 min

Lab File: VV039018.D

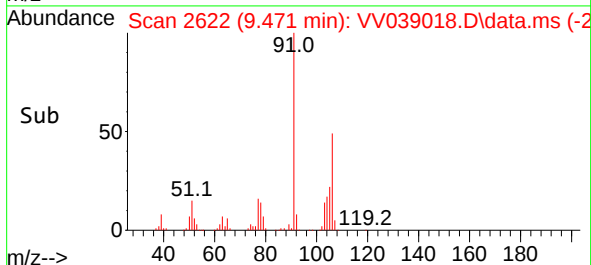
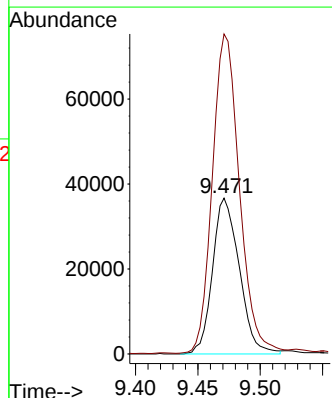
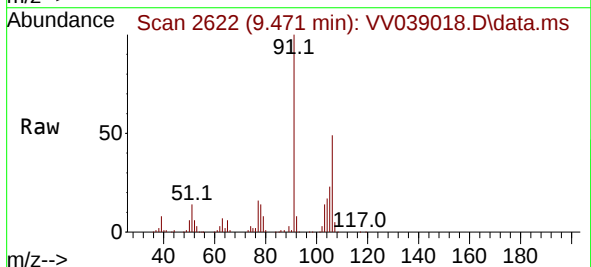
Acq: 22 Aug 2025 15:27

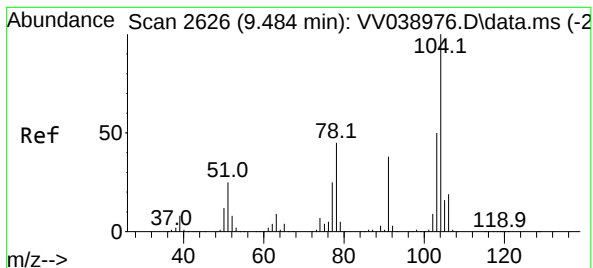
Tgt Ion:106 Resp: 54870

Ion Ratio Lower Upper

106 100

91 207.0 108.0 324.0





#70

Styrene

Concen: 7.905 ug/l

RT: 9.490 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV039018.D

Acq: 22 Aug 2025 15:27

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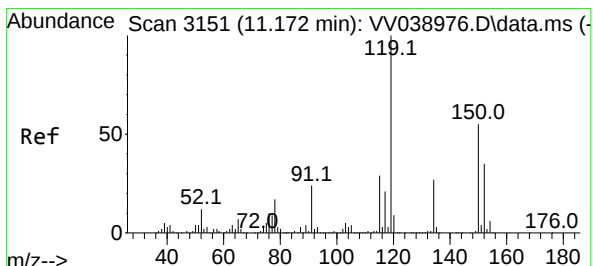
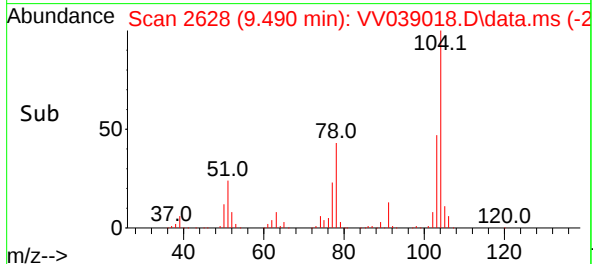
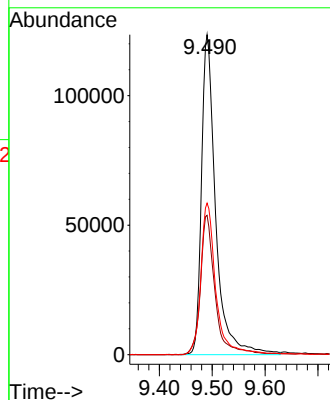
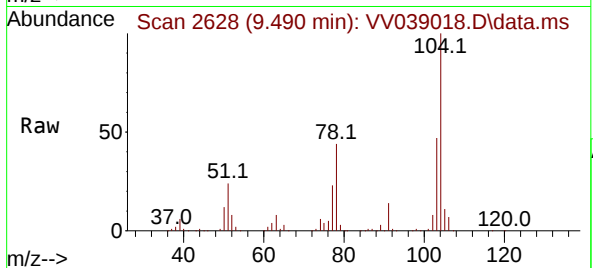
Tgt Ion:104 Resp: 230738

Ion Ratio Lower Upper

104 100

78 44.6 39.8 59.8

103 50.0 43.5 65.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039018.D

Acq: 22 Aug 2025 15:27

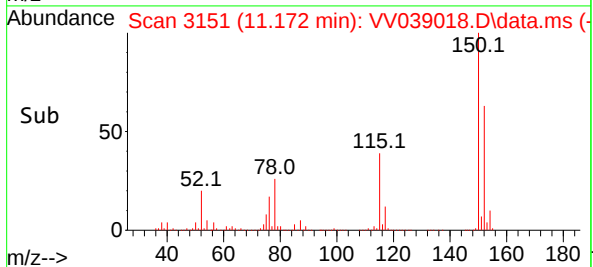
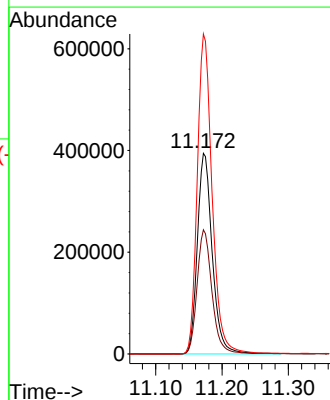
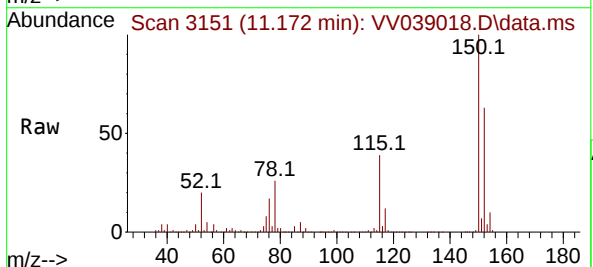
Tgt Ion:152 Resp: 617094

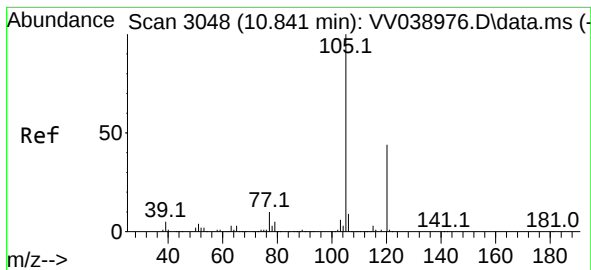
Ion Ratio Lower Upper

152 100

115 61.5 42.5 127.5

150 158.4 0.0 344.8





#84

1,2,4-Trimethylbenzene

Concen: 0.922 ug/l

RT: 10.847 min Scan# 30

Delta R.T. 0.006 min

Lab File: VV039018.D

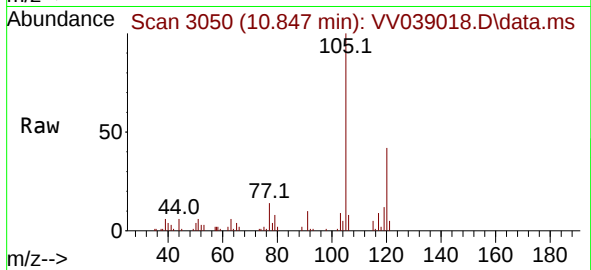
Acq: 22 Aug 2025 15:27

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion:105 Resp: 30737

Ion Ratio Lower Upper

105 100

120 44.3 22.8 68.3

