

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087661.D
 Acq On : 25 Aug 2025 16:25
 Operator : JC\MD
 Sample : Q2936-02DL2 500X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19B-082125DL2

Quant Time: Aug 26 01:38:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

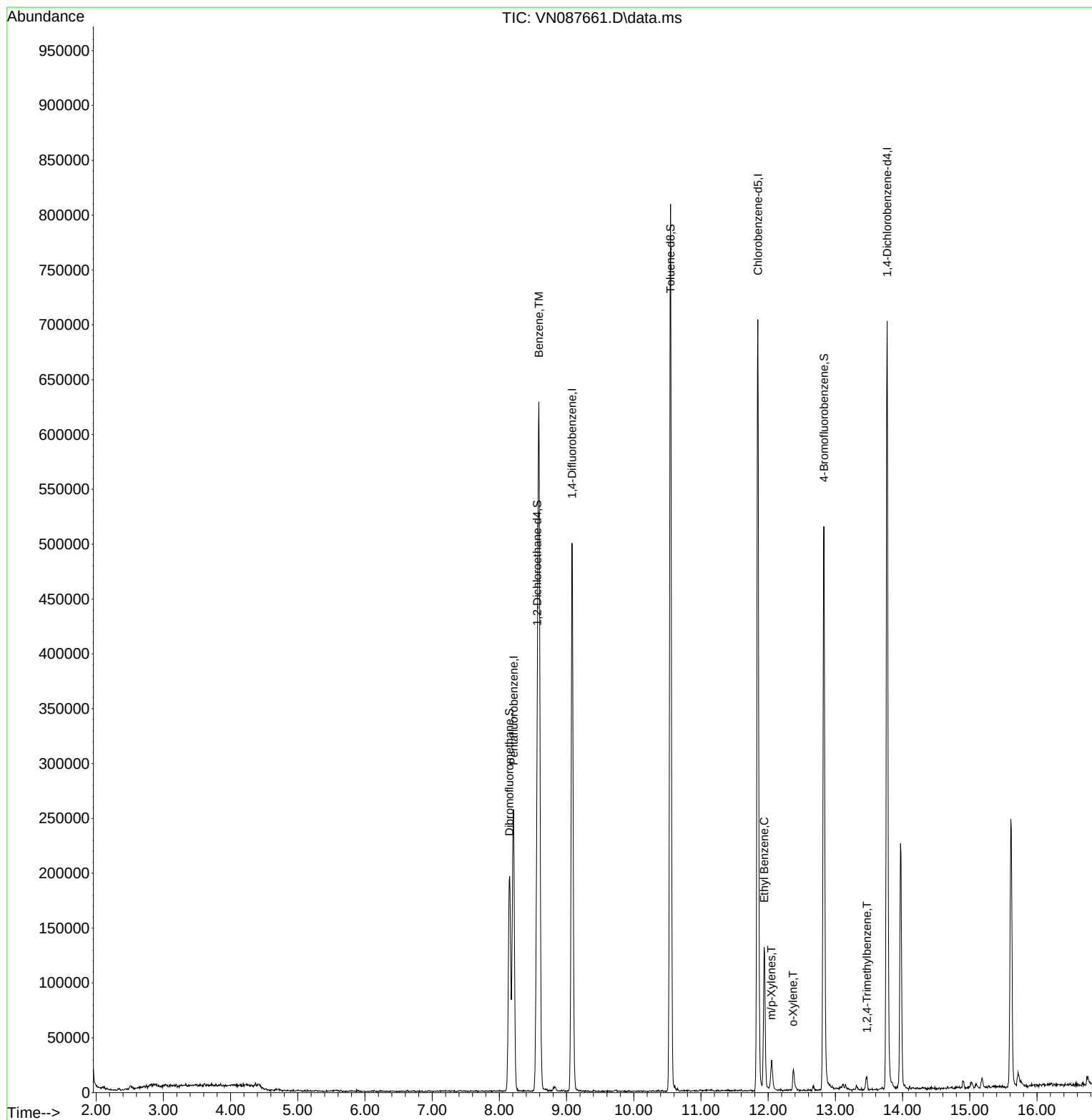
Internal Standards						
1) Pentafluorobenzene	8.212	168	173151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	403642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	378273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	192441	54.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.480%	
35) Dibromofluoromethane	8.147	113	141352	48.503	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.000%	
50) Toluene-d8	10.547	98	516791	47.379	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.760%	
62) 4-Bromofluorobenzene	12.829	95	179392	46.246	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.500%	
Target Compounds						
					Qvalue	
40) Benzene	8.588	78	557131	40.628	ug/l	97
67) Ethyl Benzene	11.941	91	97188	5.965	ug/l	93
68) m/p-Xylenes	12.047	106	8674	1.452	ug/l	87
69) o-Xylene	12.370	106	5156	0.880	ug/l	95
84) 1,2,4-Trimethylbenzene	13.470	105	7262	0.603	ug/l	96

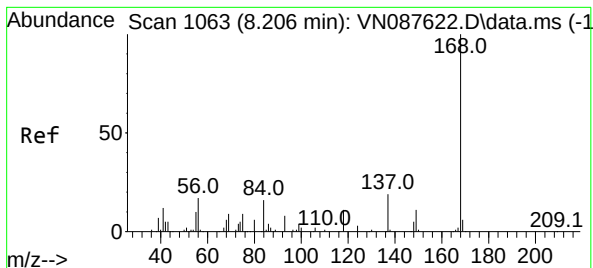
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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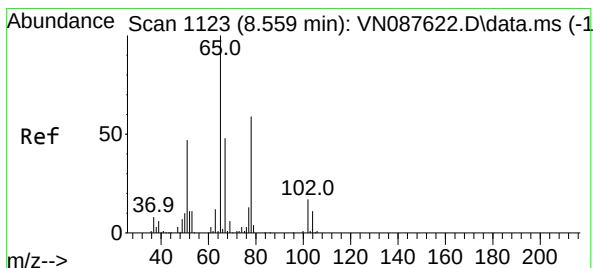
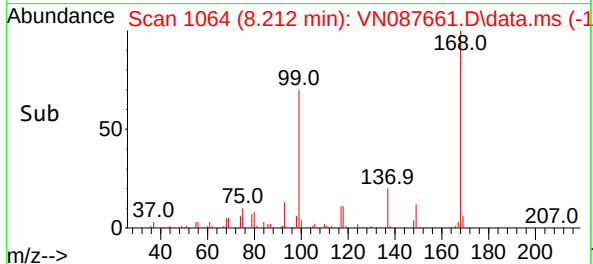
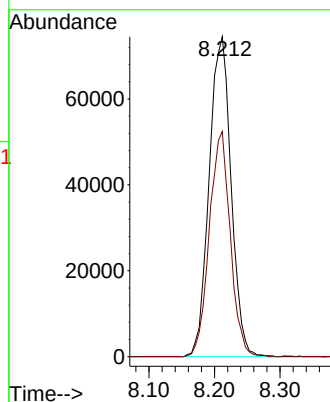
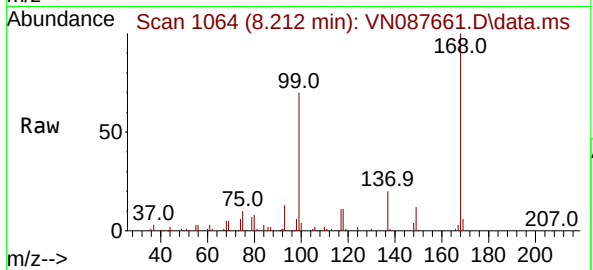




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

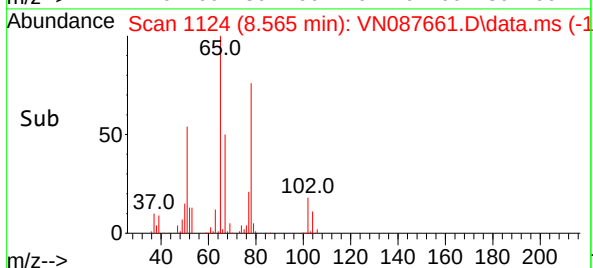
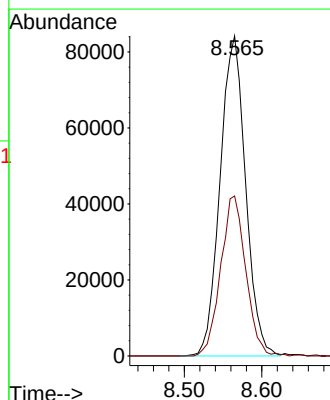
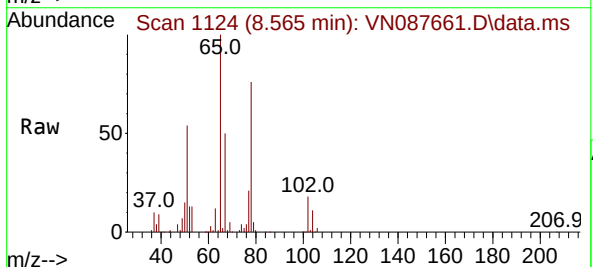
Instrument :
MSVOA_N
ClientSampleId :
MW-19B-082125DL2

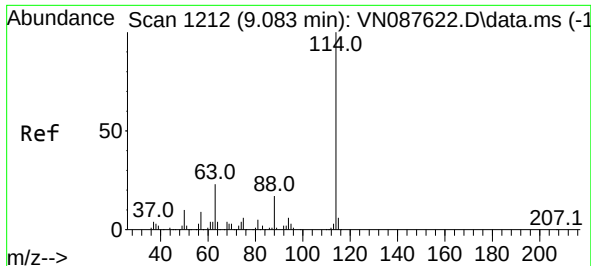
Tgt Ion:168 Resp: 173151
Ion Ratio Lower Upper
168 100
99 70.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 54.244 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

Tgt Ion: 65 Resp: 192441
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087661.D

Acq: 25 Aug 2025 16:25

Instrument :

MSVOA_N

ClientSampleId :

MW-19B-082125DL2

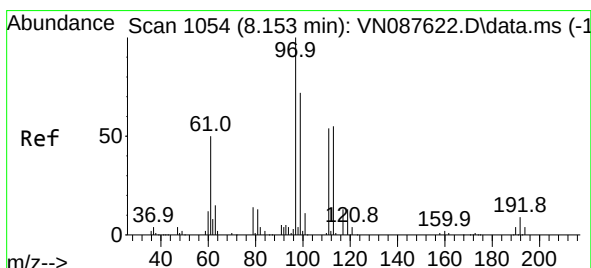
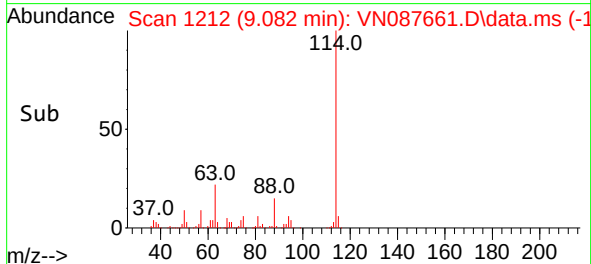
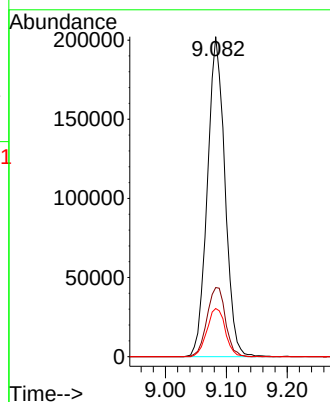
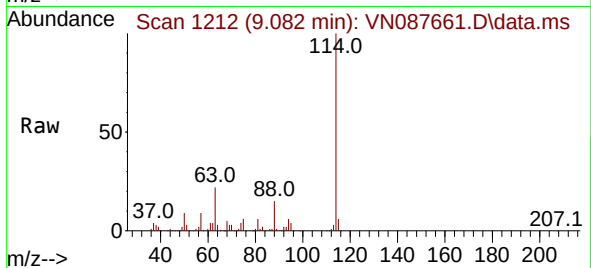
Tgt Ion:114 Resp: 403642

Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.2

88 15.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.503 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087661.D

Acq: 25 Aug 2025 16:25

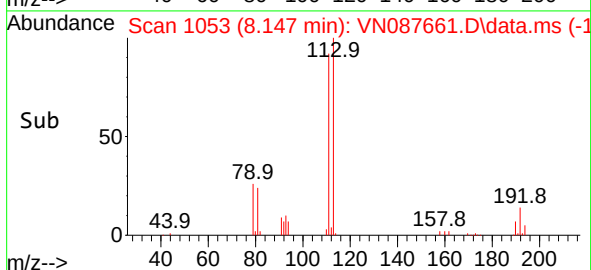
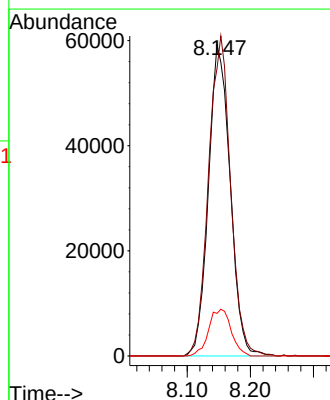
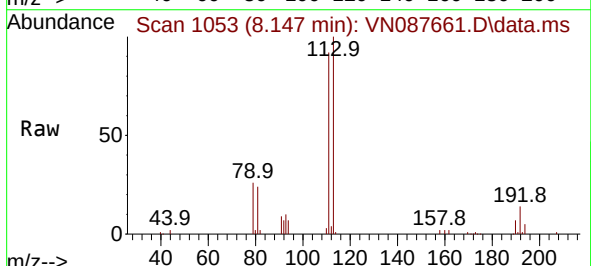
Tgt Ion:113 Resp: 141352

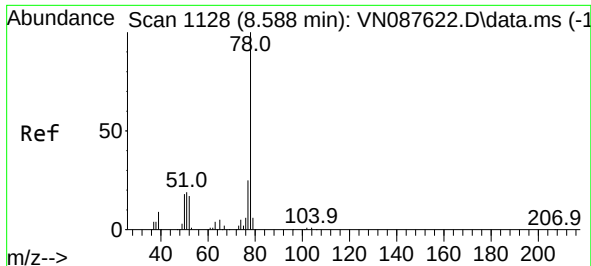
Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 15.6 12.8 19.2

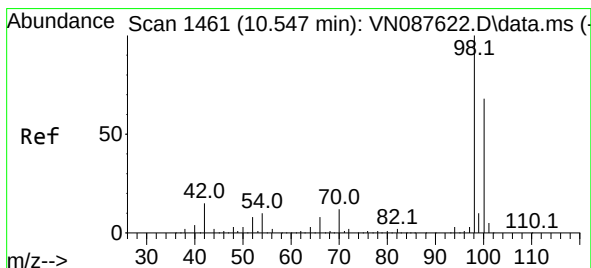
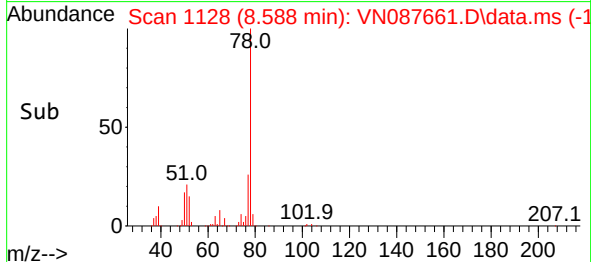
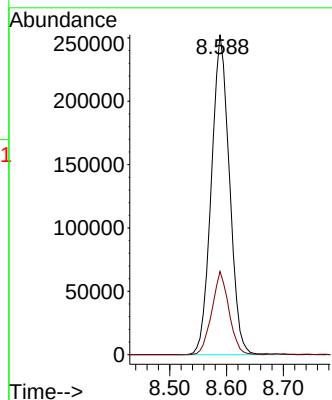
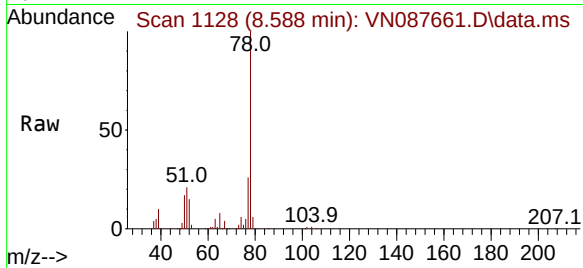




#40
Benzene
Concen: 40.628 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

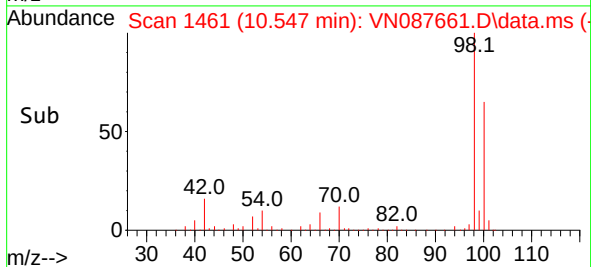
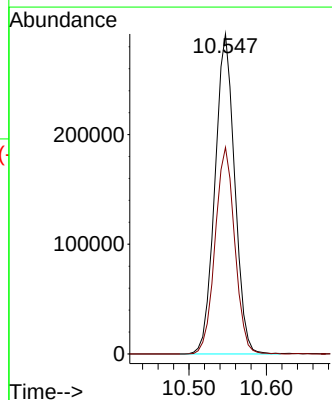
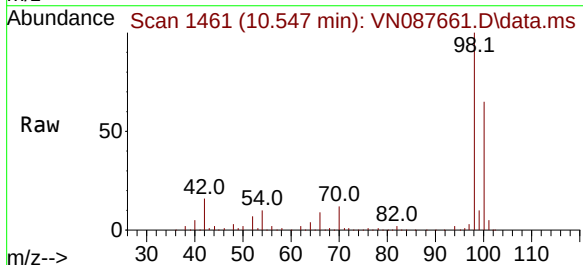
Instrument :
MSVOA_N
ClientSampleId :
MW-19B-082125DL2

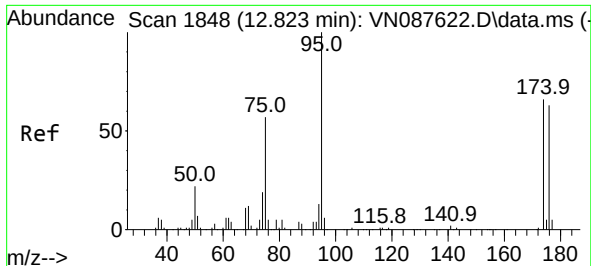
Tgt Ion: 78 Resp: 557131
Ion Ratio Lower Upper
78 100
77 26.0 19.7 29.5



#50
Toluene-d8
Concen: 47.379 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

Tgt Ion: 98 Resp: 516791
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2

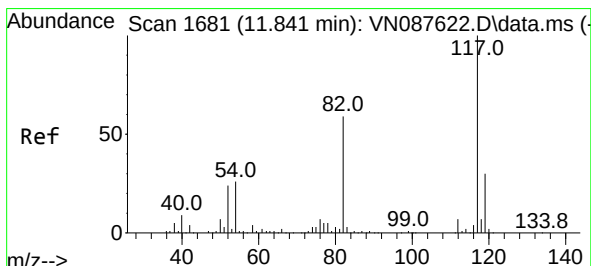
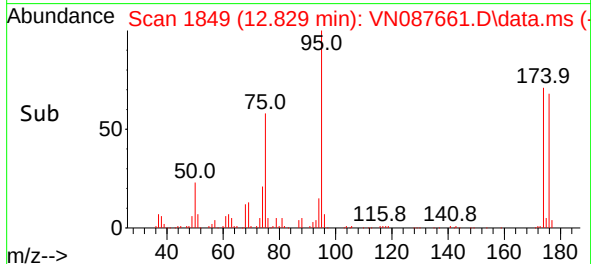
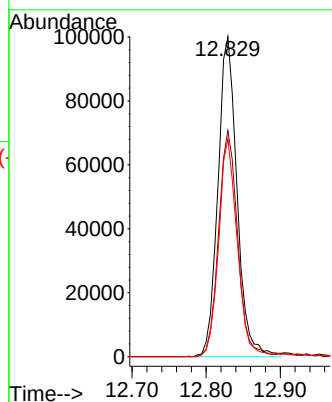
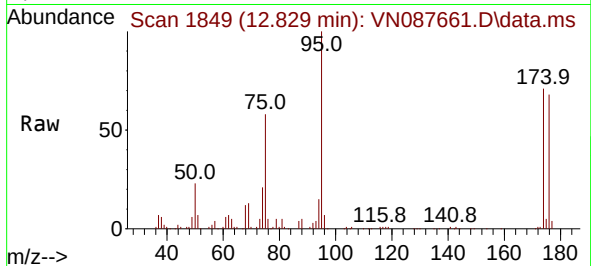




#62
4-Bromofluorobenzene
Concen: 46.246 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

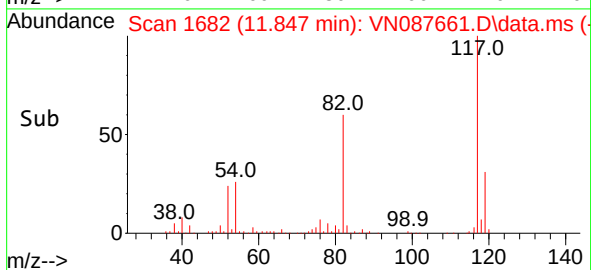
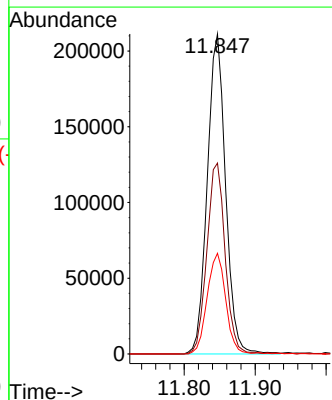
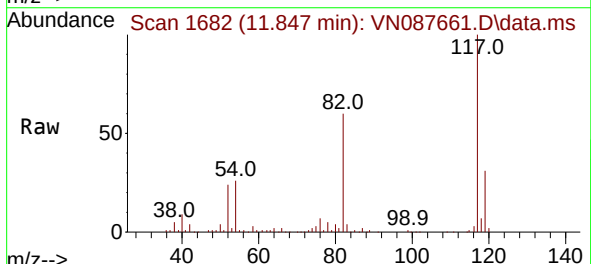
Instrument :
MSVOA_N
ClientSampleId :
MW-19B-082125DL2

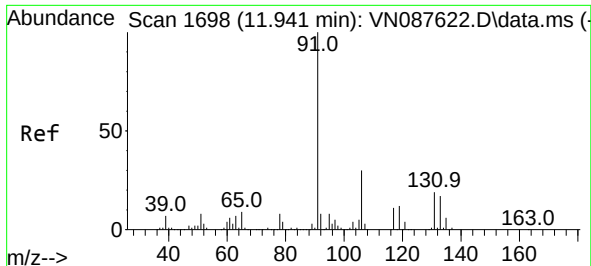
Tgt Ion: 95 Resp: 179392
Ion Ratio Lower Upper
95 100
174 70.4 0.0 138.4
176 65.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

Tgt Ion: 117 Resp: 378273
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.4 24.3 36.5

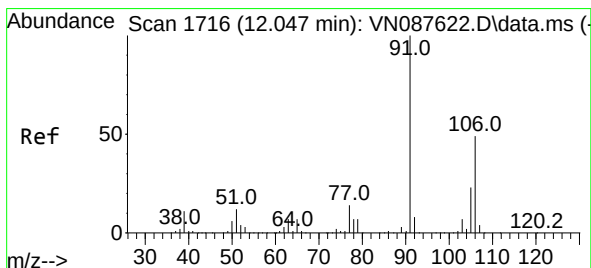
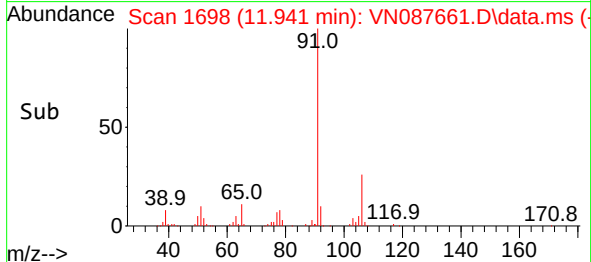
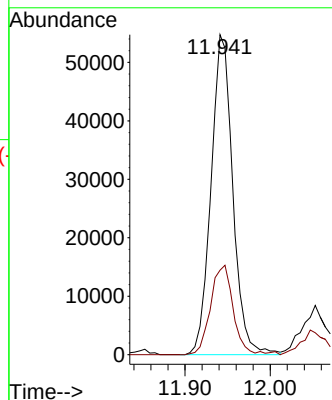
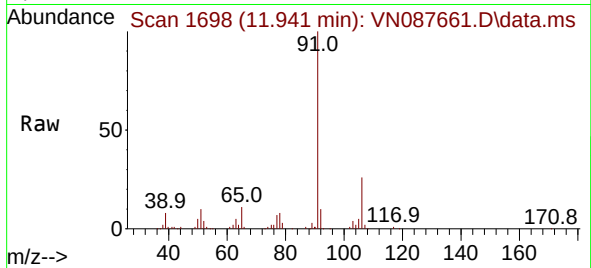




#67
Ethyl Benzene
Concen: 5.965 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

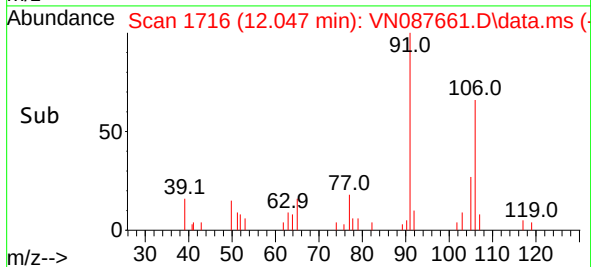
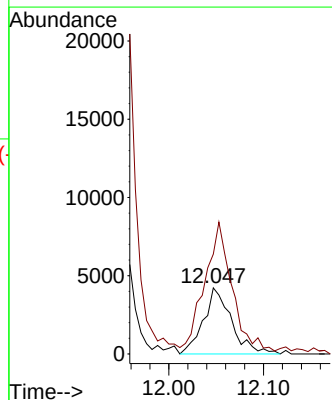
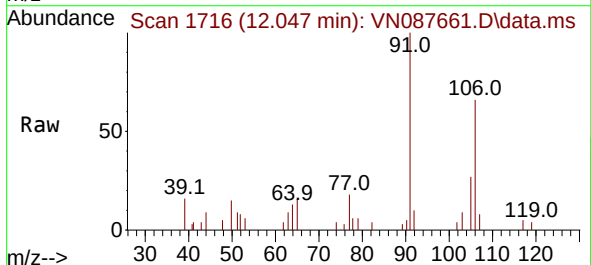
Instrument :
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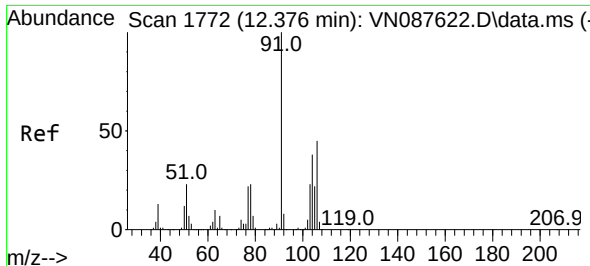
Tgt Ion: 91 Resp: 97188
Ion Ratio Lower Upper
91 100
106 26.4 24.1 36.1



#68
m/p-Xylenes
Concen: 1.452 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

Tgt Ion: 106 Resp: 8674
Ion Ratio Lower Upper
106 100
91 191.1 169.3 253.9

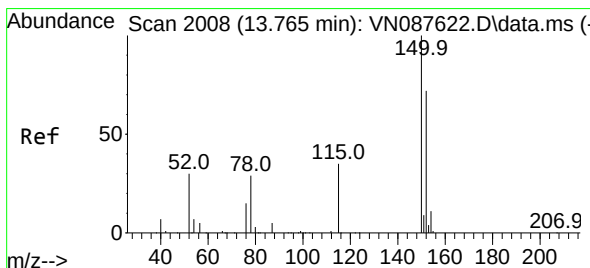
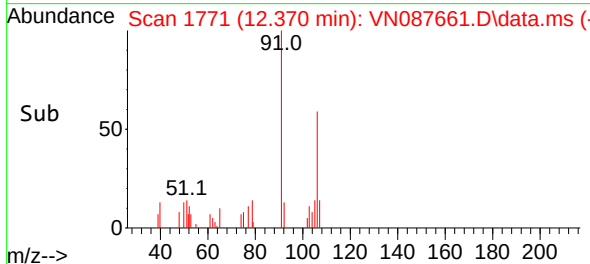
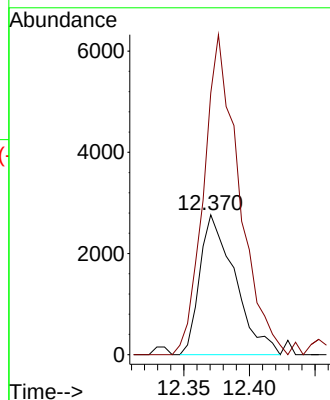
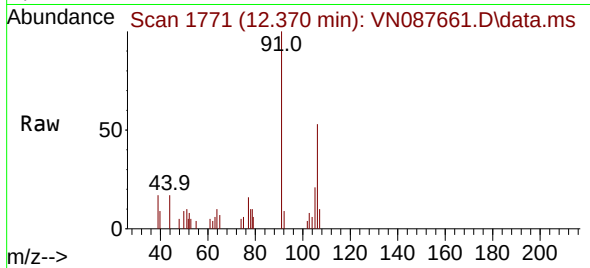




#69
o-Xylene
Concen: 0.880 ug/l
RT: 12.370 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

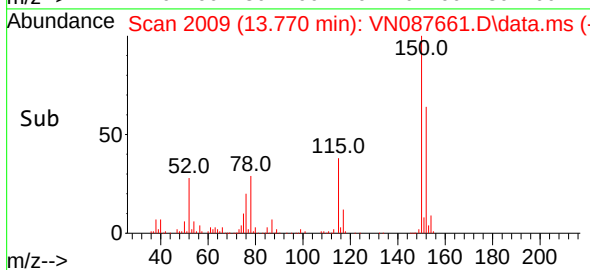
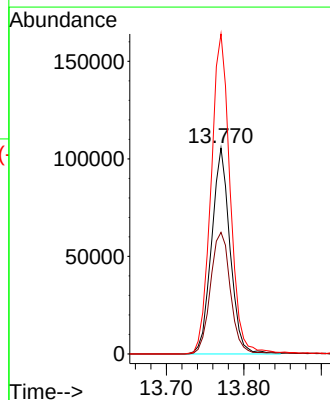
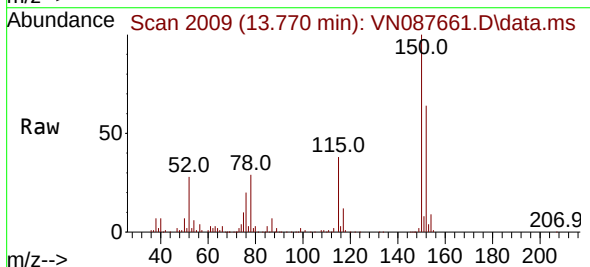
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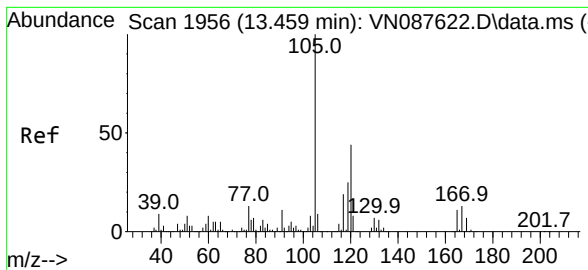
Tgt Ion:106 Resp: 5156
Ion Ratio Lower Upper
106 100
91 230.4 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087661.D
Acq: 25 Aug 2025 16:25

Tgt Ion:152 Resp: 175402
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 160.9 0.0 351.0





#84

1,2,4-Trimethylbenzene

Concen: 0.603 ug/l

RT: 13.470 min Scan# 1958

Delta R.T. 0.012 min

Lab File: VN087661.D

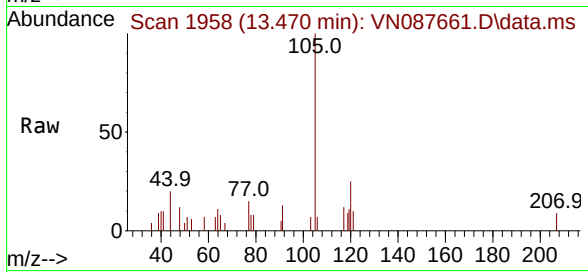
Acq: 25 Aug 2025 16:25

Instrument :

MSVOA_N

ClientSampleId :

MW-19B-082125DL2



Tgt Ion:105 Resp: 7262

Ion Ratio Lower Upper

105 100

120 41.6 22.0 66.0

