

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088152.D
 Acq On : 29 Oct 2025 12:21
 Operator : JC\MD
 Sample : Q3468-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08DL

Quant Time: Oct 30 04:04:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

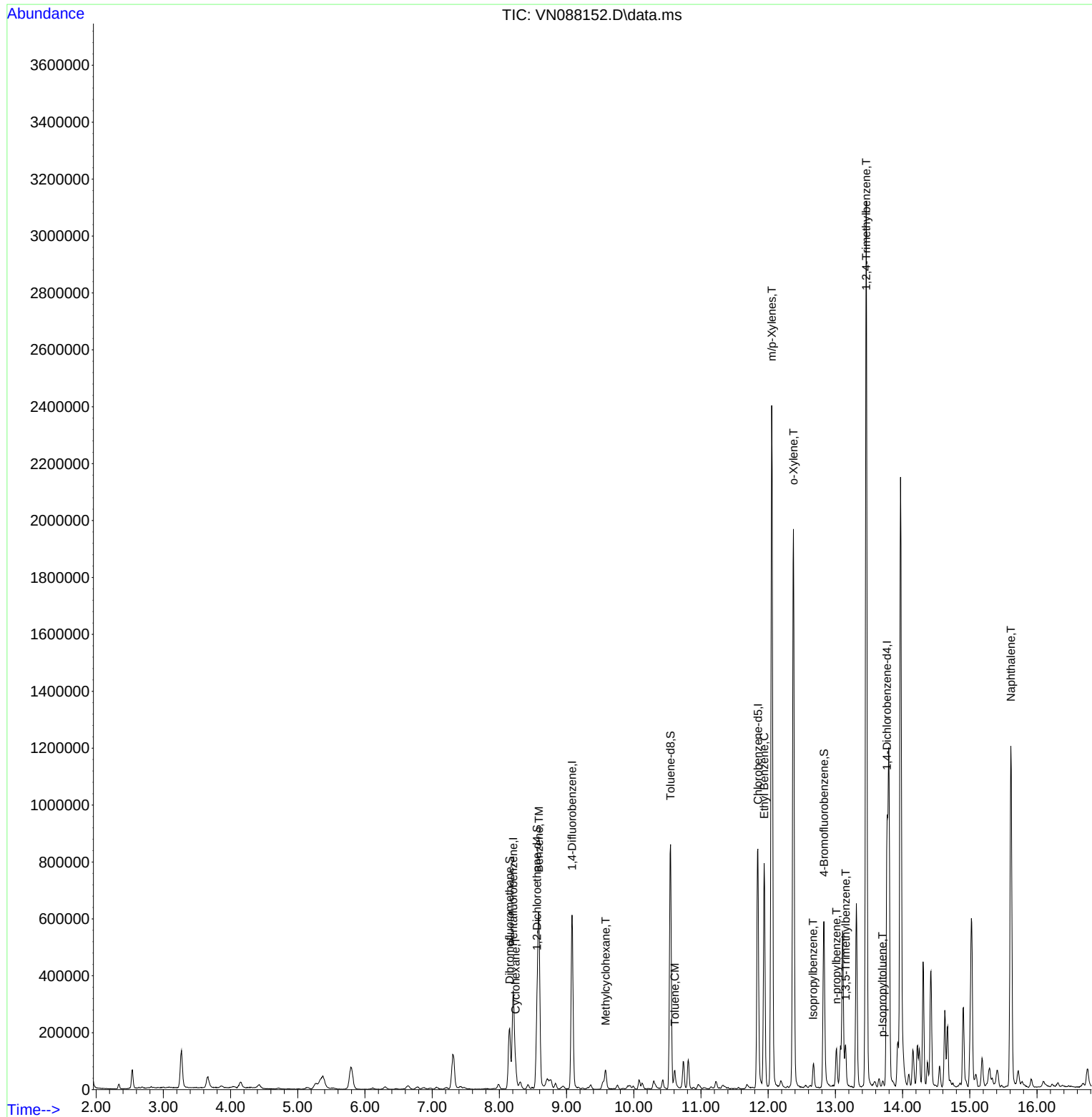
Internal Standards						
1) Pentafluorobenzene	8.206	168	214217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	486300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	458325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	232108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202995	54.800	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.600%	
35) Dibromofluoromethane	8.153	113	155367	47.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.120%	
50) Toluene-d8	10.547	98	569581	45.247	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.500%	
62) 4-Bromofluorobenzene	12.829	95	227206	51.107	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.220%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.241	56	47366	9.135	ug/l	94
39) Methylcyclohexane	9.582	83	26693	4.353	ug/l	96
40) Benzene	8.588	78	555580	38.244	ug/l	98
52) Toluene	10.612	92	25383	2.834	ug/l	96
67) Ethyl Benzene	11.941	91	558460	30.571	ug/l	99
68) m/p-Xylenes	12.053	106	681526	99.571	ug/l	98
69) o-Xylene	12.376	106	520688	80.248	ug/l	98
73) Isopropylbenzene	12.670	105	53716	3.001	ug/l	98
78) n-propylbenzene	13.018	91	111420	5.100	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	81874	5.507	ug/l	92
84) 1,2,4-Trimethylbenzene	13.459	105	1734065	116.574	ug/l	99
86) p-Isopropyltoluene	13.700	119	7507	0.480	ug/l #	70
95) Naphthalene	15.611	128	1063636	69.014	ug/l	100

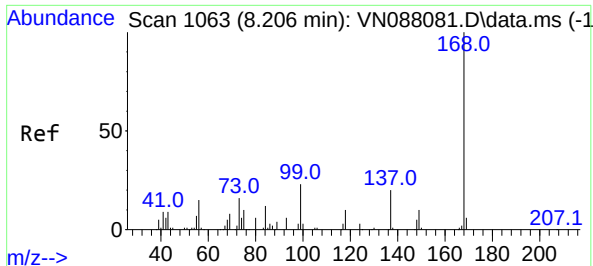
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
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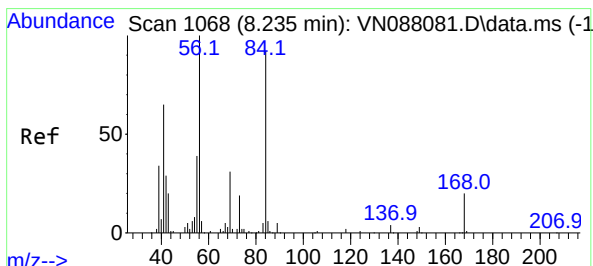
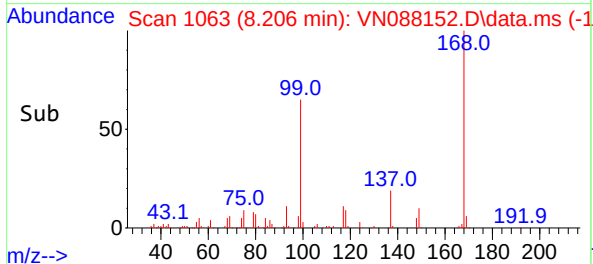
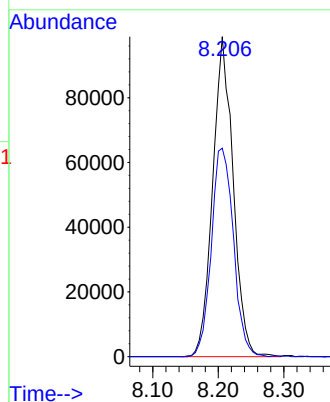
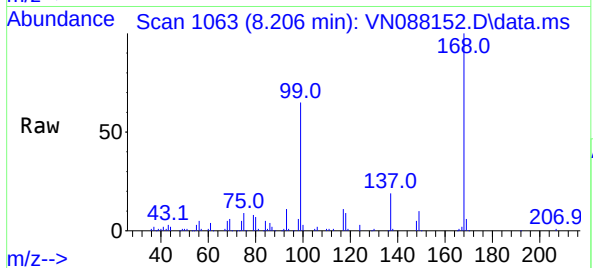




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

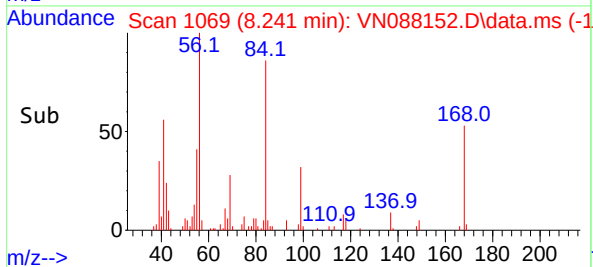
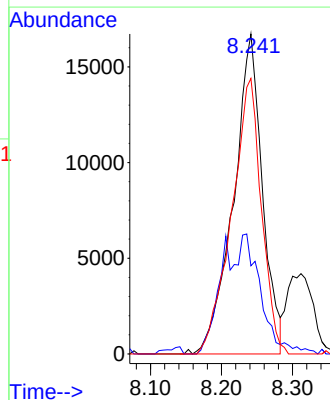
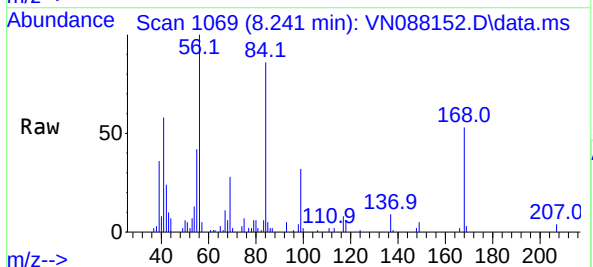
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

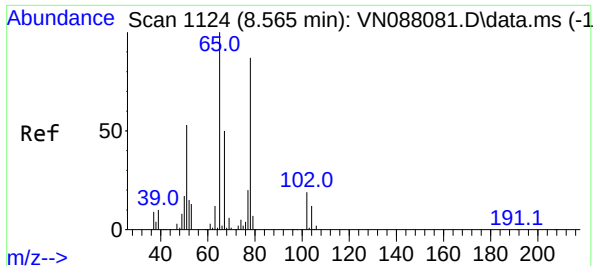
Tgt Ion:168 Resp: 214217
Ion Ratio Lower Upper
168 100
99 65.2 57.2 85.8



#31
Cyclohexane
Concen: 9.135 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 56 Resp: 47366
Ion Ratio Lower Upper
56 100
69 25.3 23.7 35.5
84 86.1 64.7 97.1

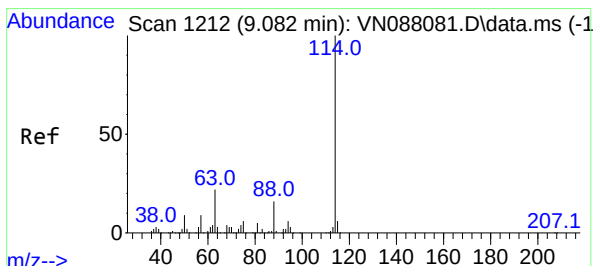
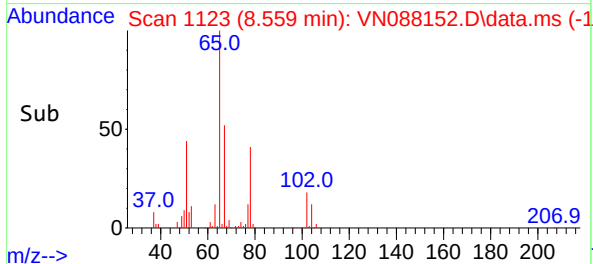
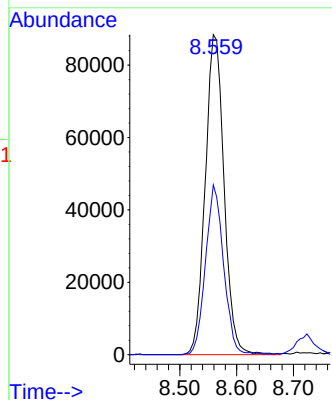
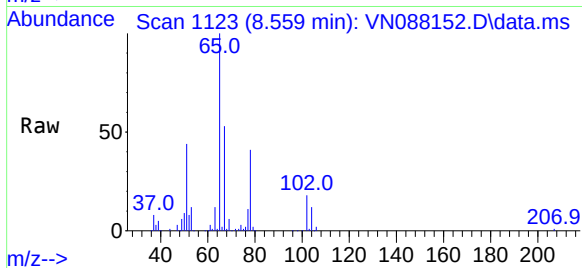




#33
1,2-Dichloroethane-d4
Concen: 54.800 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

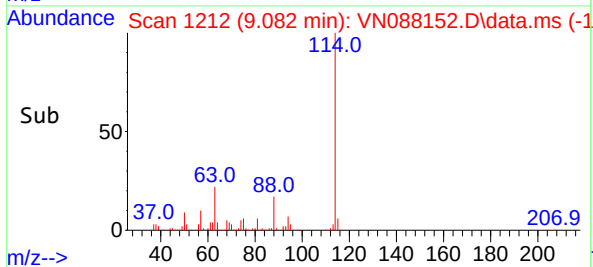
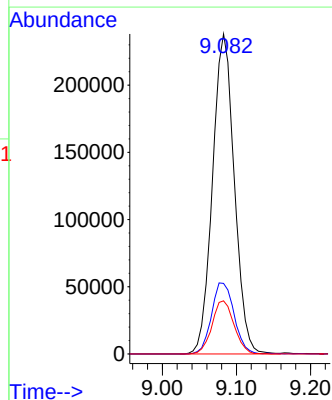
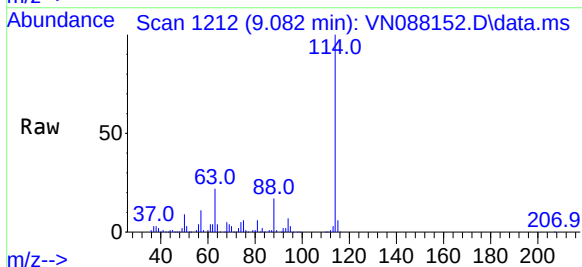
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

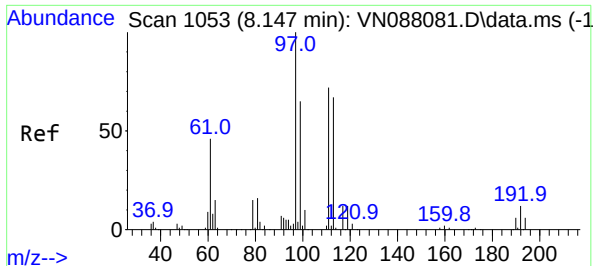
Tgt Ion: 65 Resp: 202995
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 114 Resp: 486300
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.2
88 16.6 0.0 33.4

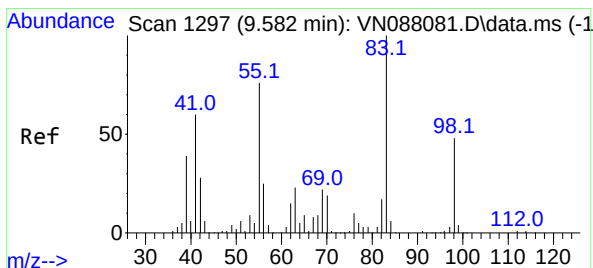
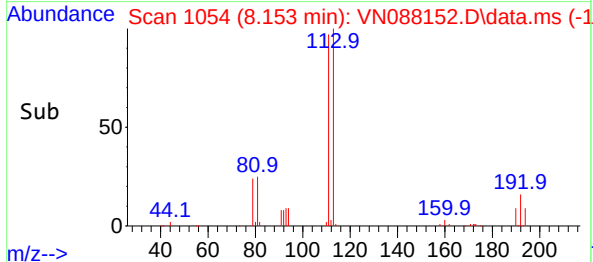
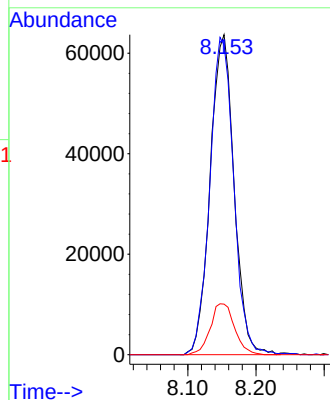
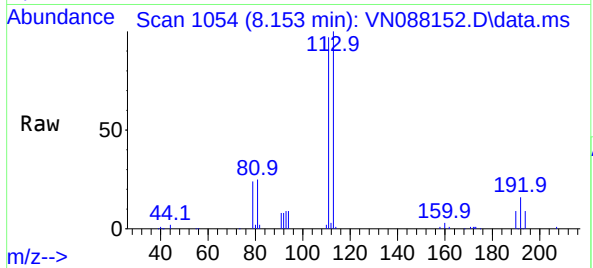




#35
Dibromofluoromethane
Concen: 47.557 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

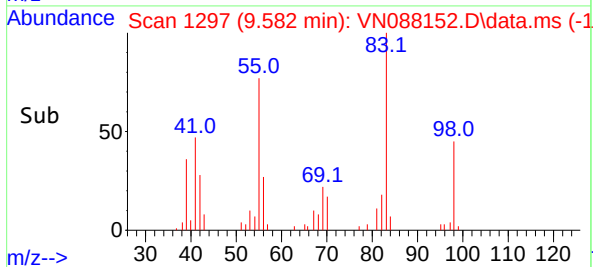
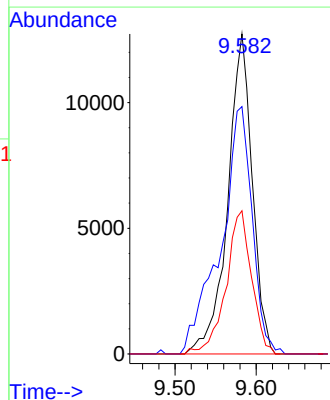
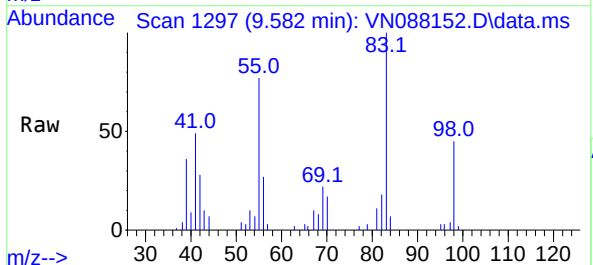
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

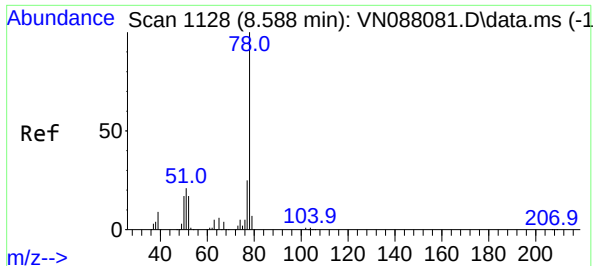
Tgt Ion:113 Resp: 155367
Ion Ratio Lower Upper
113 100
111 99.1 82.8 124.2
192 16.2 12.8 19.2



#39
Methylcyclohexane
Concen: 4.353 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 83 Resp: 26693
Ion Ratio Lower Upper
83 100
55 77.3 64.6 96.8
98 44.7 38.4 57.6

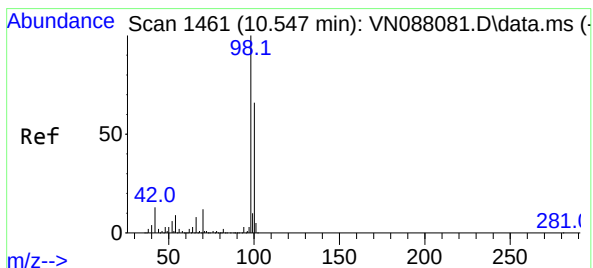
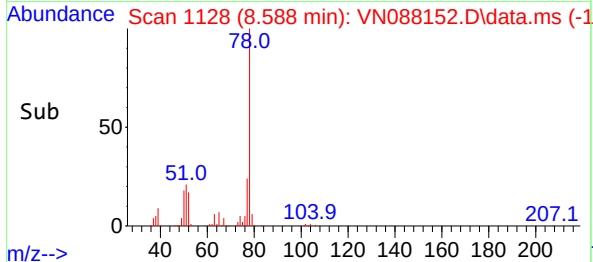
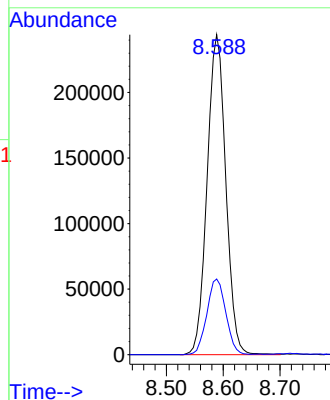
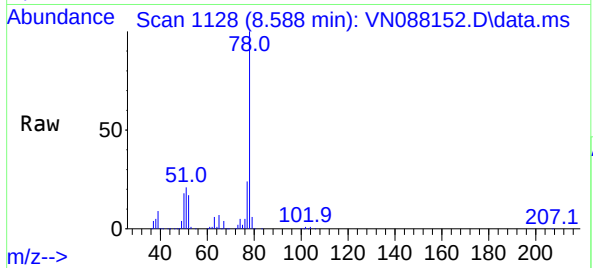




#40
Benzene
Concen: 38.244 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

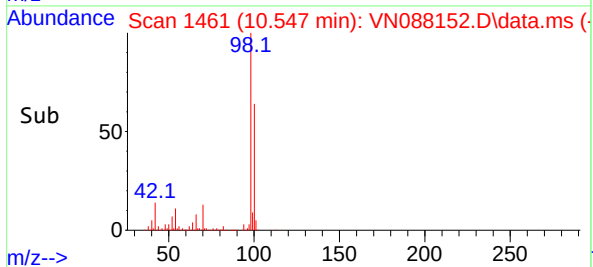
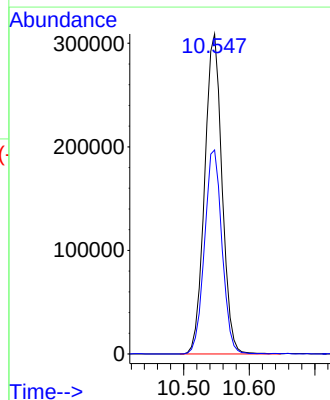
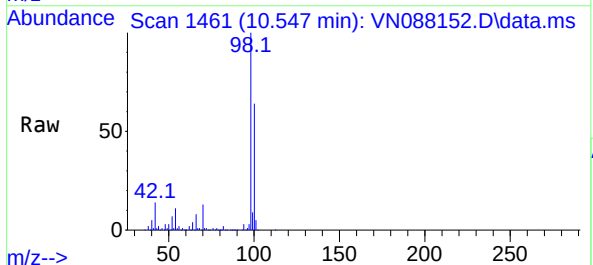
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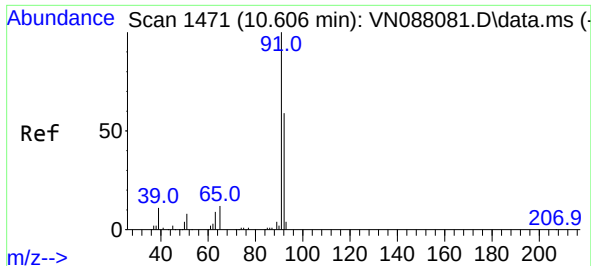
Tgt Ion: 78 Resp: 555580
Ion Ratio Lower Upper
78 100
77 23.7 19.7 29.5



#50
Toluene-d8
Concen: 45.247 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 98 Resp: 569581
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2

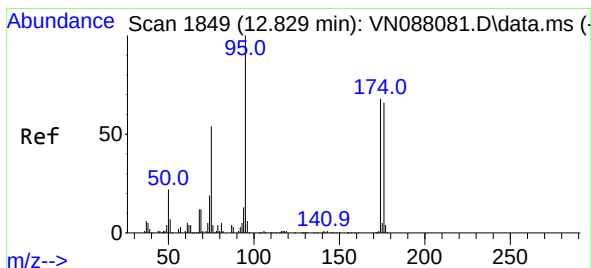
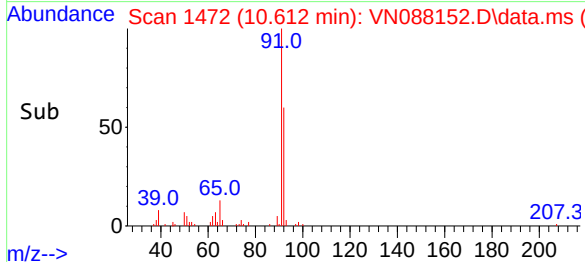
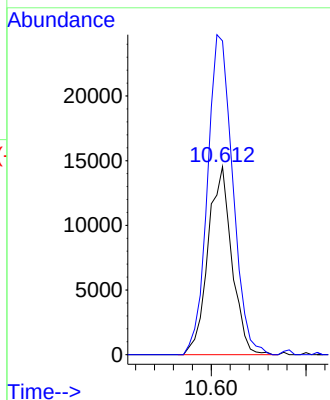
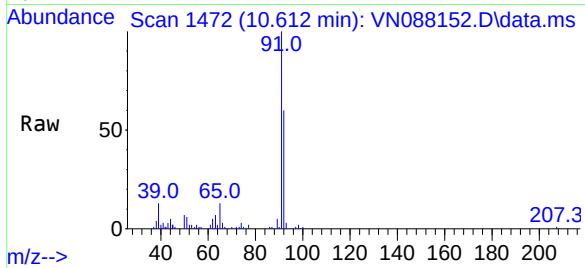




#52
Toluene
Concen: 2.834 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

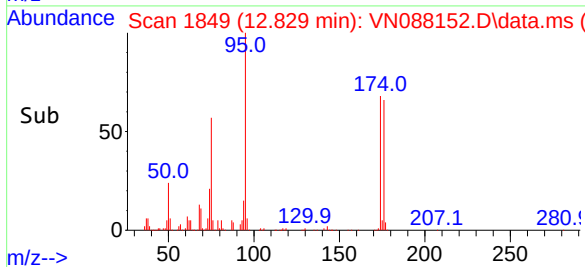
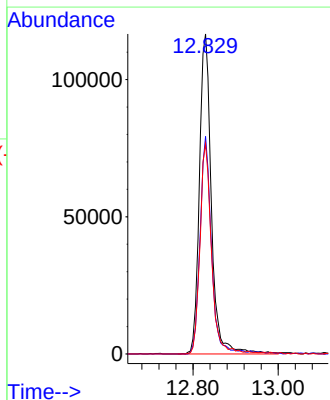
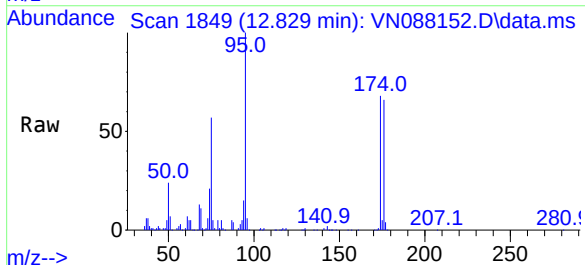
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

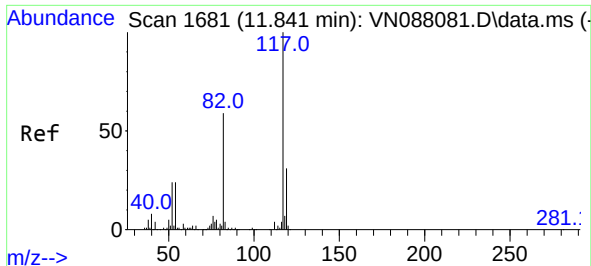
Tgt Ion: 92 Resp: 25383
Ion Ratio Lower Upper
92 100
91 180.5 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 51.107 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 95 Resp: 227206
Ion Ratio Lower Upper
95 100
174 64.8 0.0 138.4
176 62.9 0.0 132.6

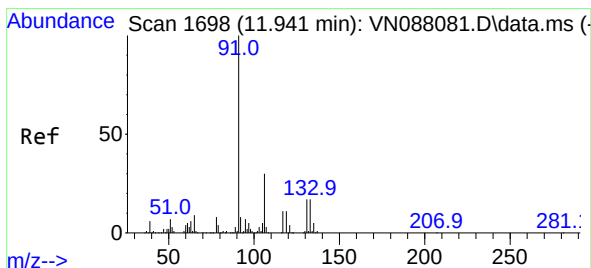
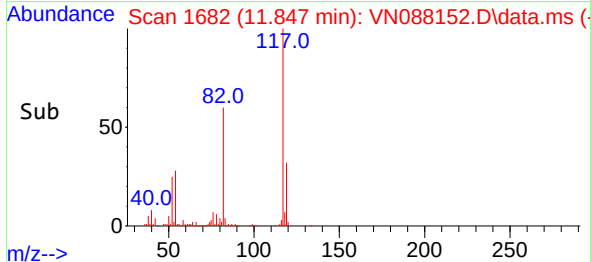
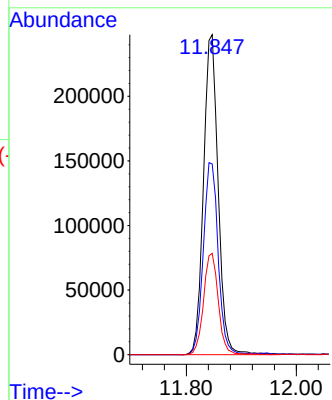
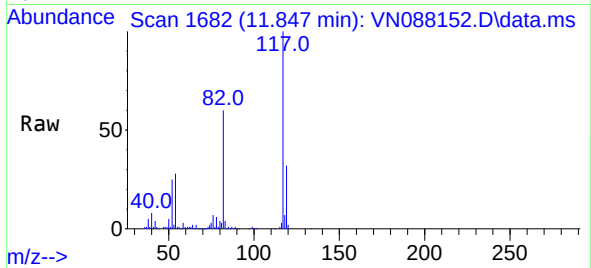




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

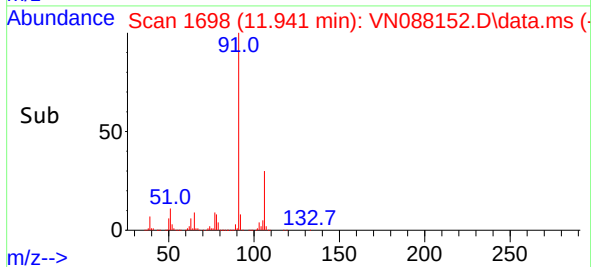
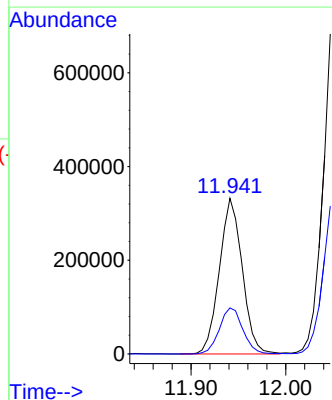
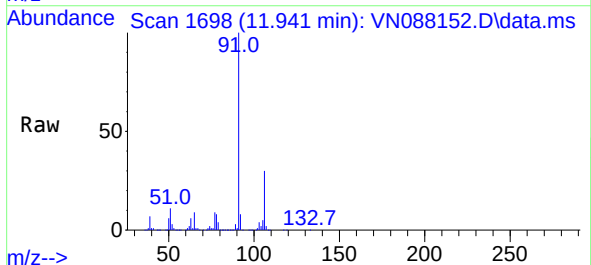
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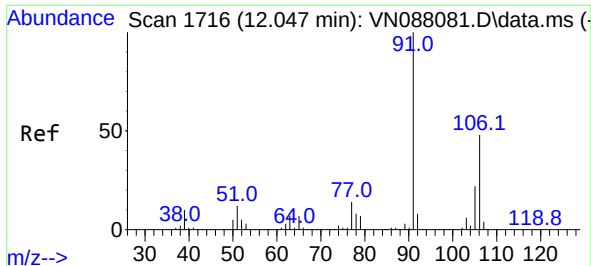
Tgt Ion:117 Resp: 458325
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.6 24.3 36.5



#67
Ethyl Benzene
Concen: 30.571 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 91 Resp: 558460
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1

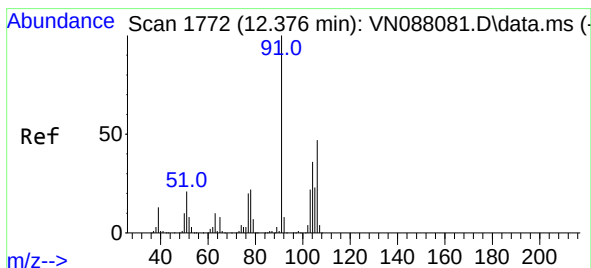
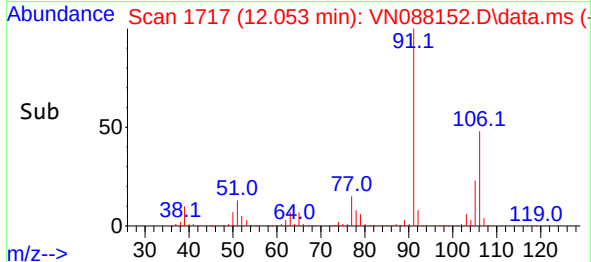
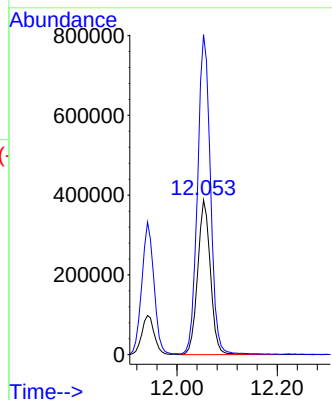
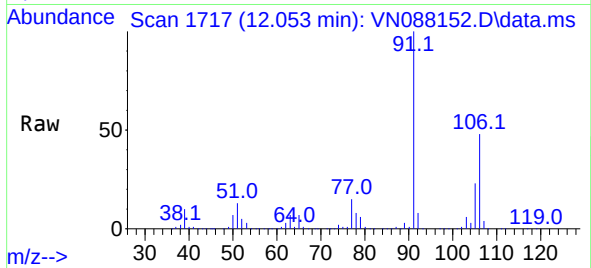




#68
m/p-Xylenes
Concen: 99.571 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

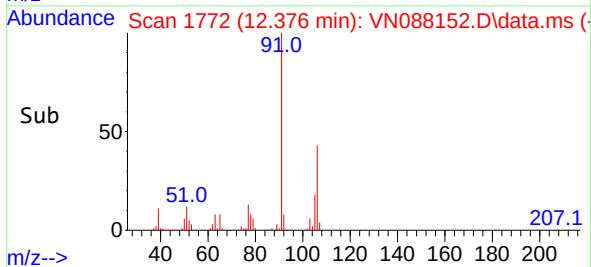
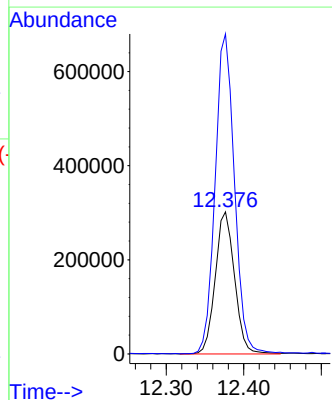
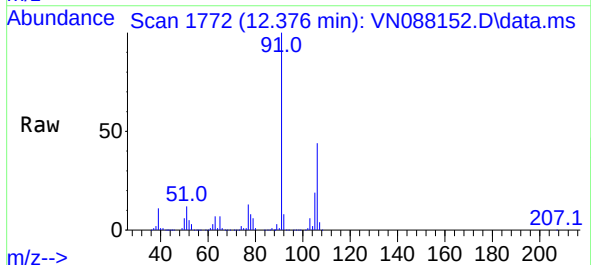
Instrument :
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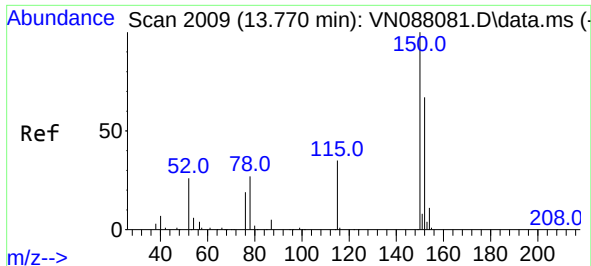
Tgt Ion:106 Resp: 681526
Ion Ratio Lower Upper
106 100
91 208.6 169.3 253.9



#69
o-Xylene
Concen: 80.248 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion:106 Resp: 520688
Ion Ratio Lower Upper
106 100
91 226.2 111.4 334.2

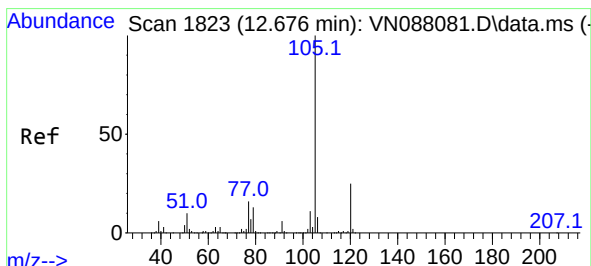
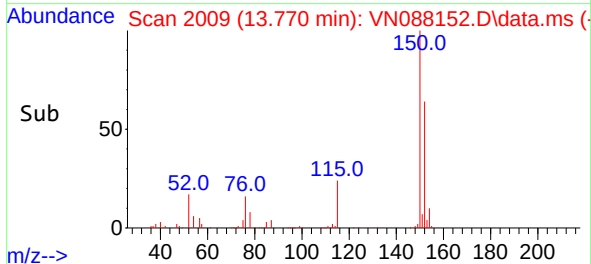
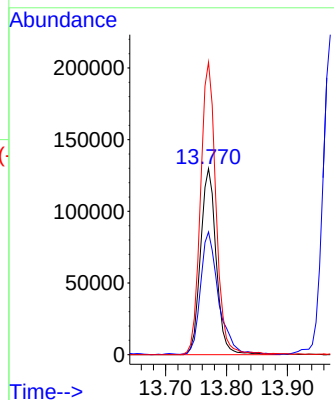
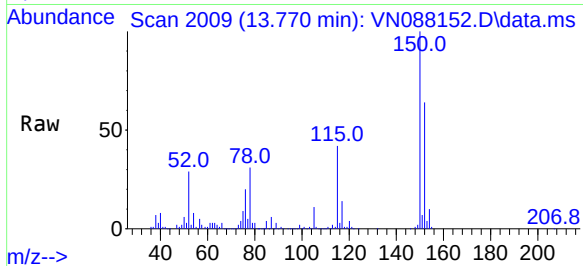




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

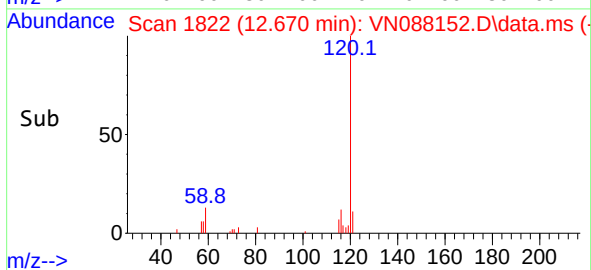
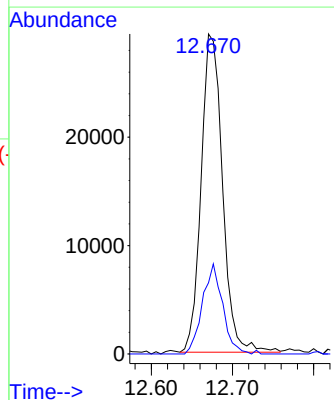
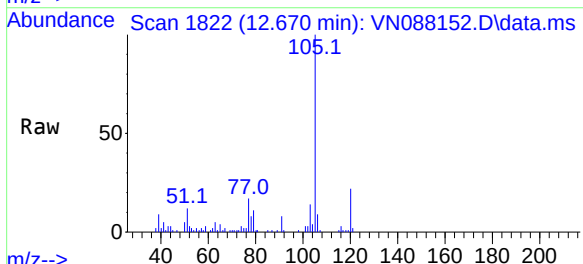
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

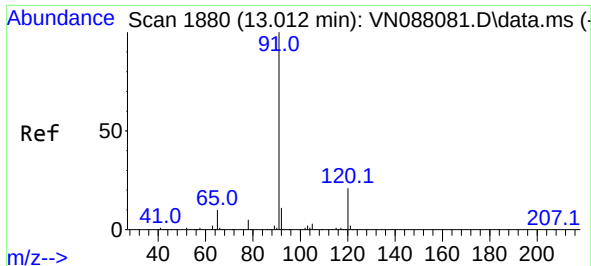
Tgt Ion:152 Resp: 232108
Ion Ratio Lower Upper
152 100
115 75.9 32.3 96.8
150 155.7 0.0 351.0



#73
Isopropylbenzene
Concen: 3.001 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion:105 Resp: 53716
Ion Ratio Lower Upper
105 100
120 26.7 12.8 38.3

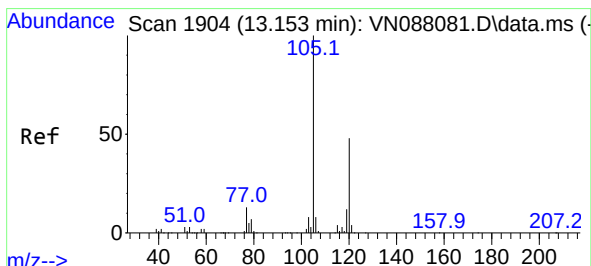
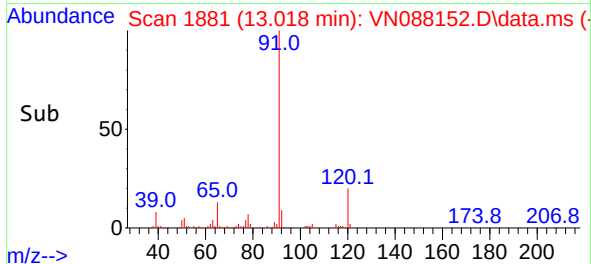
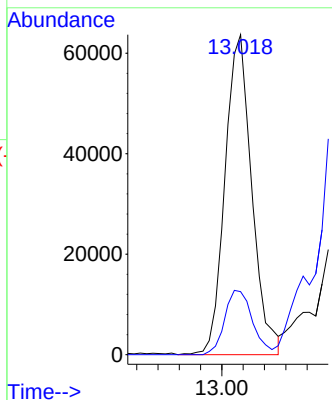
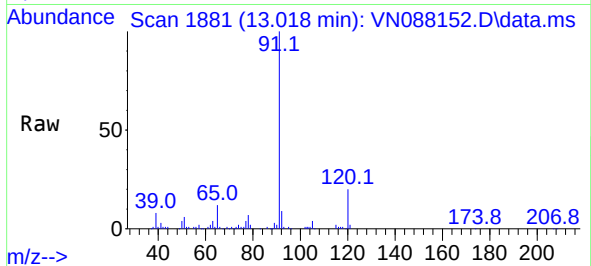




#78
n-propylbenzene
Concen: 5.100 ug/l
RT: 13.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

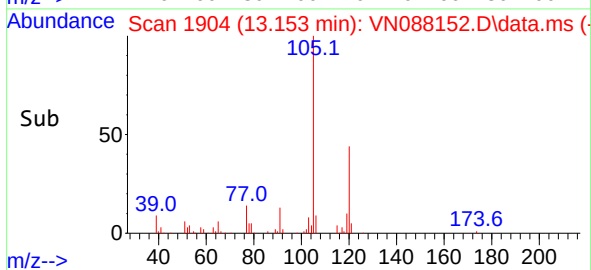
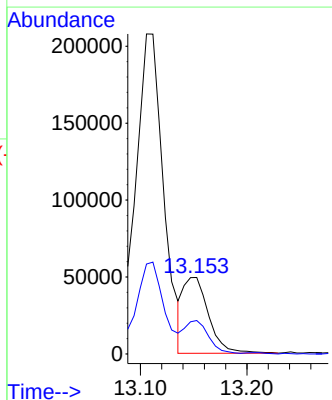
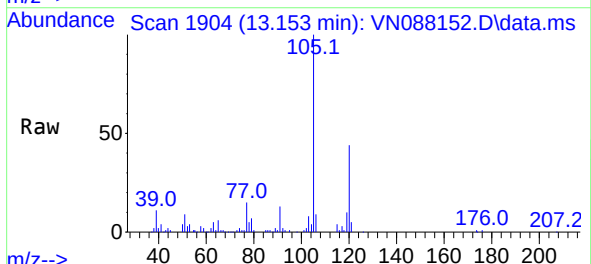
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

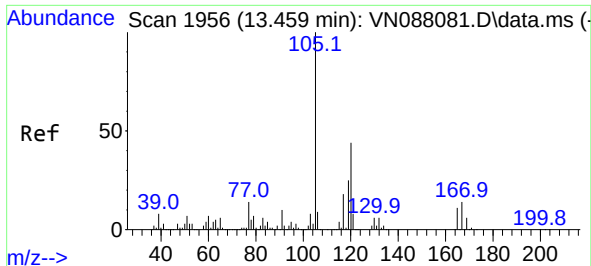
Tgt Ion: 91 Resp: 111420
Ion Ratio Lower Upper
91 100
120 20.8 10.7 32.1



#80
1,3,5-Trimethylbenzene
Concen: 5.507 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion: 105 Resp: 81874
Ion Ratio Lower Upper
105 100
120 40.8 23.2 69.6

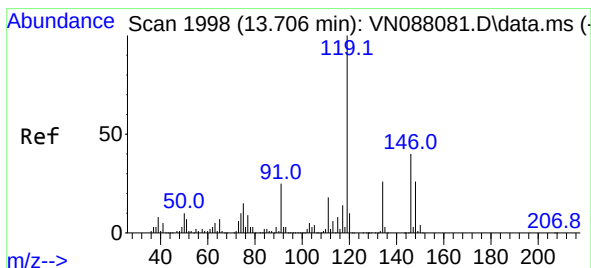
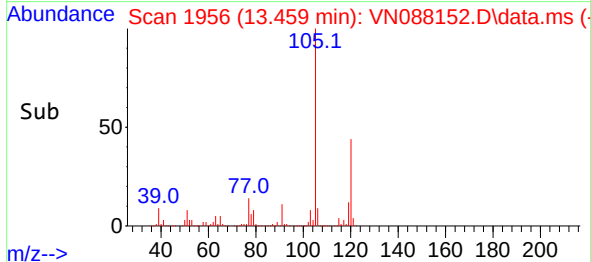
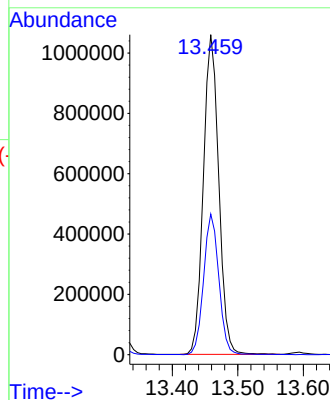
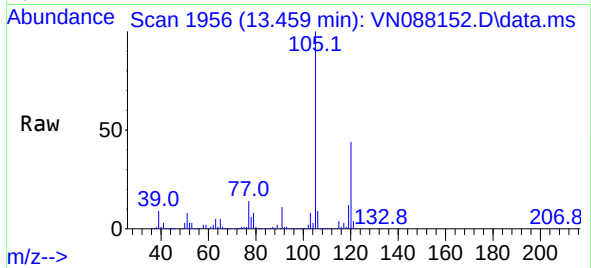




#84
1,2,4-Trimethylbenzene
Concen: 116.574 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

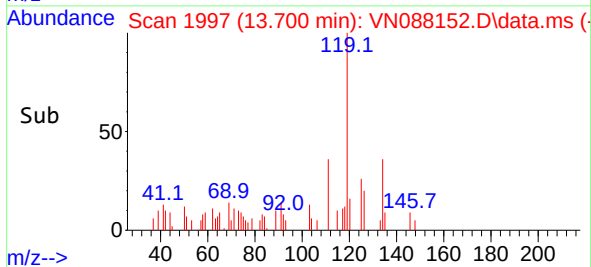
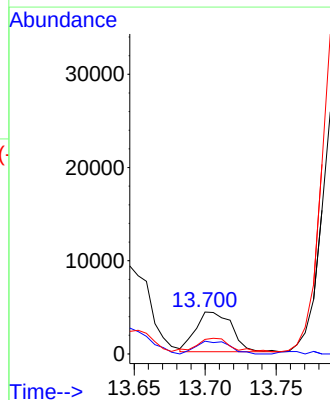
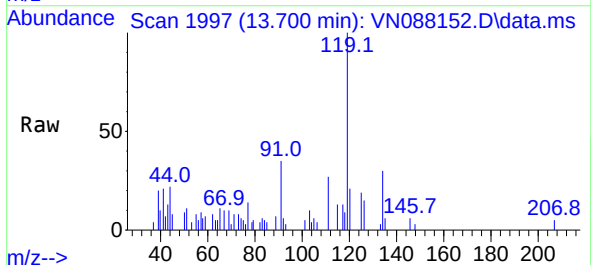
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

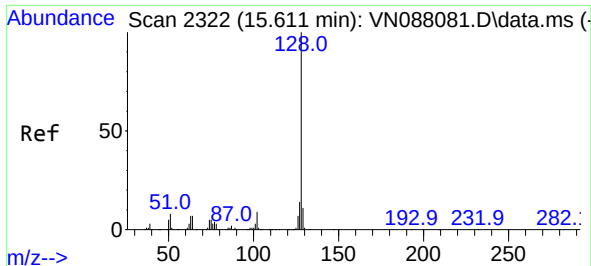
Tgt Ion:105 Resp: 1734065
Ion Ratio Lower Upper
105 100
120 43.5 22.0 66.0



#86
p-Isopropyltoluene
Concen: 0.480 ug/l
RT: 13.700 min Scan# 1997
Delta R.T. -0.006 min
Lab File: VN088152.D
Acq: 29 Oct 2025 12:21

Tgt Ion:119 Resp: 7507
Ion Ratio Lower Upper
119 100
134 30.2 12.7 38.0
91 0.0 12.5 37.5#





#95

Naphthalene

Concen: 69.014 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN088152.D

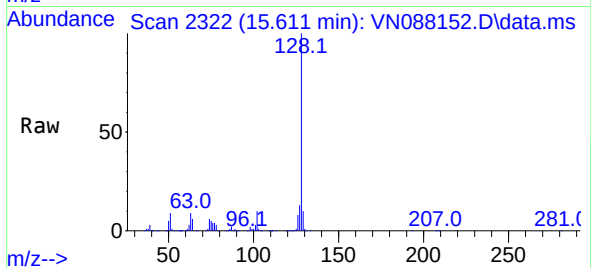
Acq: 29 Oct 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

MW-08DL



Tgt Ion:128 Resp: 1063636

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.7 8.6 12.8

