

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087780.D
 Acq On : 10 Sep 2025 15:06
 Operator : JC\MD
 Sample : Q3045-06DL 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPLDL

Quant Time: Sep 11 02:04:49 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)

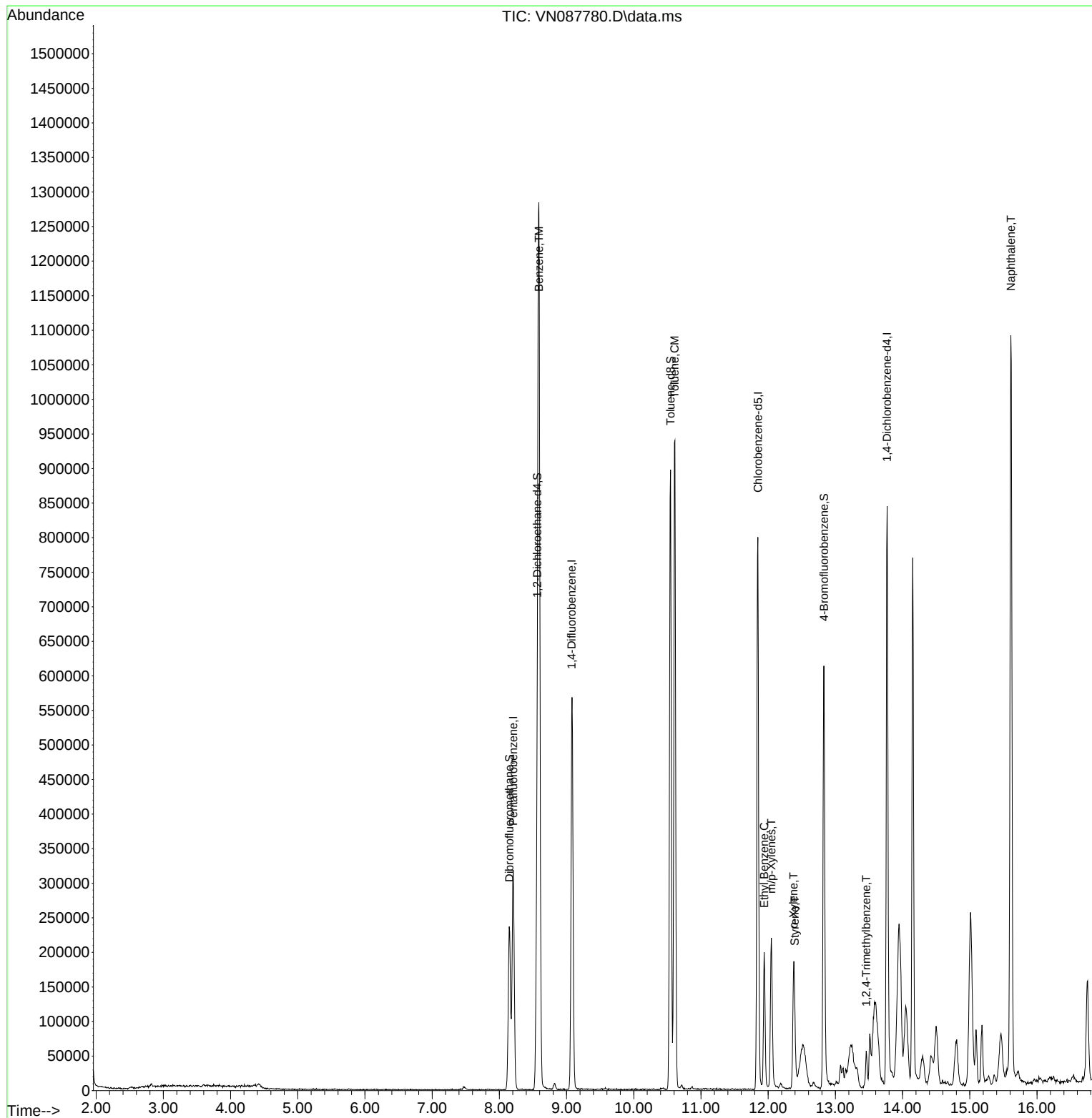
Internal Standards						
1) Pentafluorobenzene	8.206	168	213868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	479762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	447056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	210638	48.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.140%		
35) Dibromofluoromethane	8.147	113	167168	48.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	10.547	98	603181	46.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.060%		
62) 4-Bromofluorobenzene	12.829	95	219349	47.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.140%		
Target Compounds					Qvalue	
40) Benzene	8.588	78	1258658	77.224	ug/l	98
52) Toluene	10.606	92	411470	40.722	ug/l	100
67) Ethyl Benzene	11.941	91	139192	7.228	ug/l	96
68) m/p-Xylenes	12.047	106	68993	9.769	ug/l	100
69) o-Xylene	12.376	106	36116	5.218	ug/l	96
70) Styrene	12.394	104	60731	5.238	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	28067	1.801	ug/l	90
95) Naphthalene	15.611	128	1041754	60.599	ug/l	99

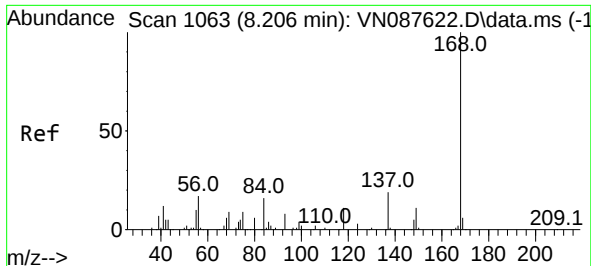
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

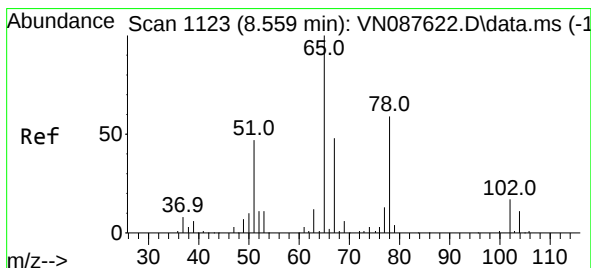
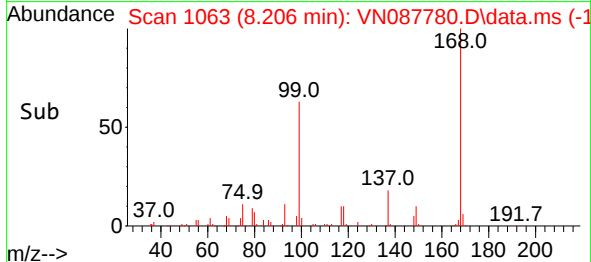
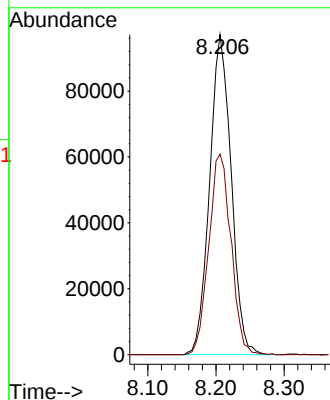
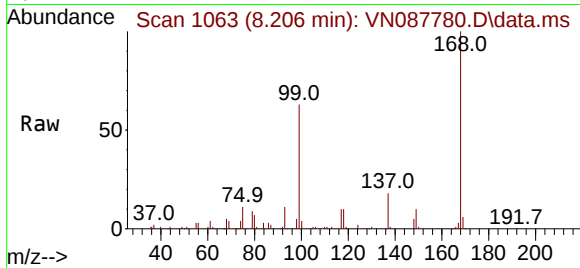




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

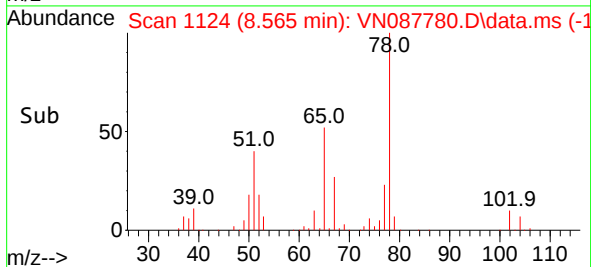
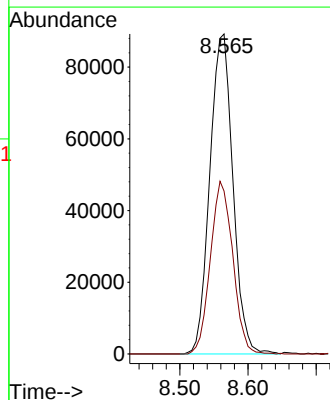
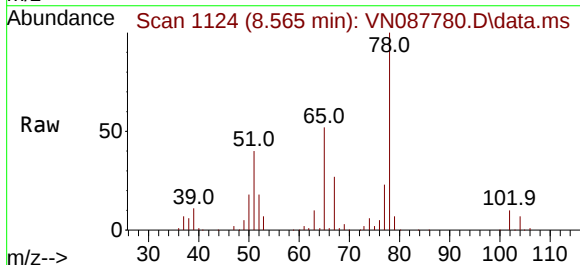
Instrument :
MSVOA_N
ClientSampleId :
DNAPL DL

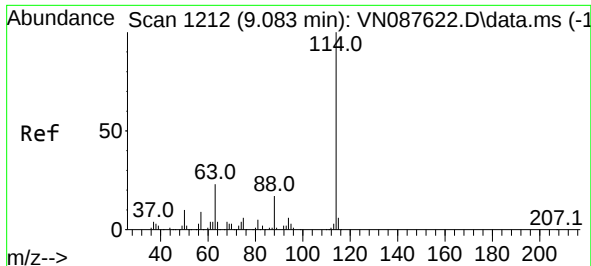
Tgt Ion:168 Resp: 213868
Ion Ratio Lower Upper
168 100
99 62.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 48.070 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion: 65 Resp: 210638
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.0

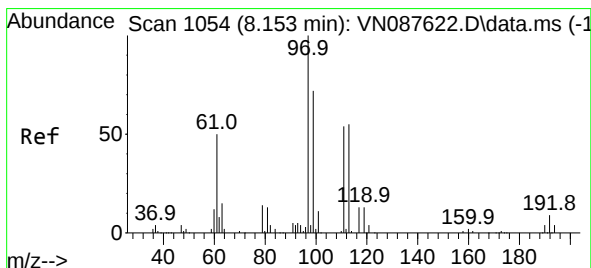
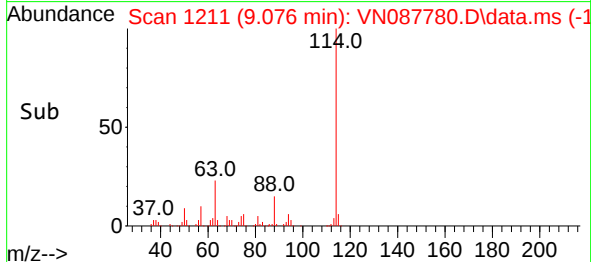
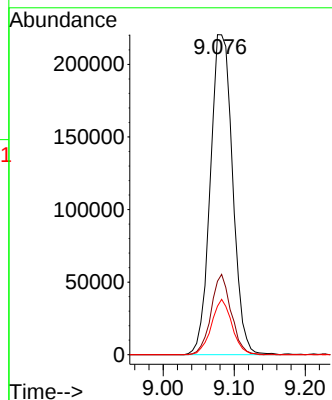
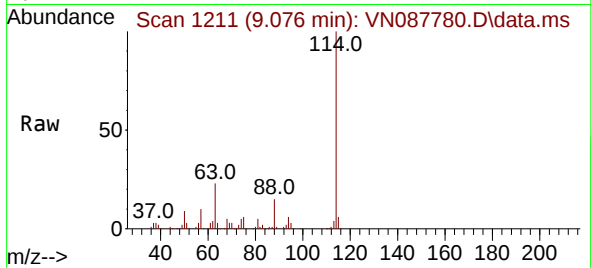




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.076 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

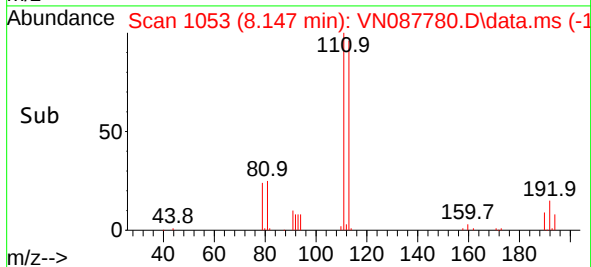
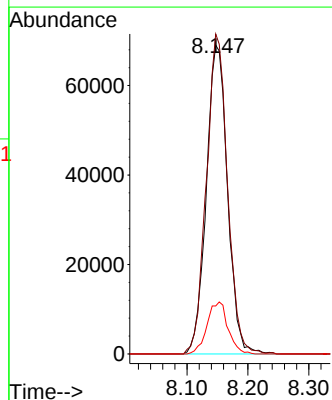
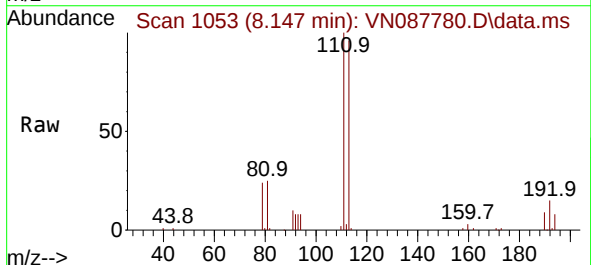
Instrument :
MSVOA_N
ClientSampleId :
DNAPL DL

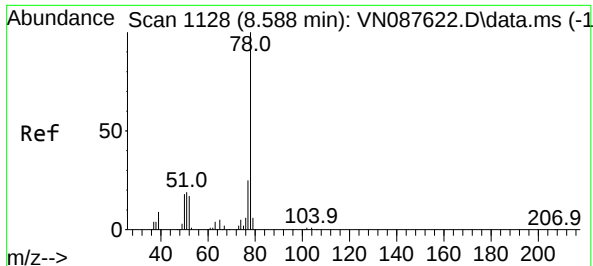
Tgt Ion:114 Resp: 479762
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.2
88 15.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.260 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion:113 Resp: 167168
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 16.6 12.8 19.2

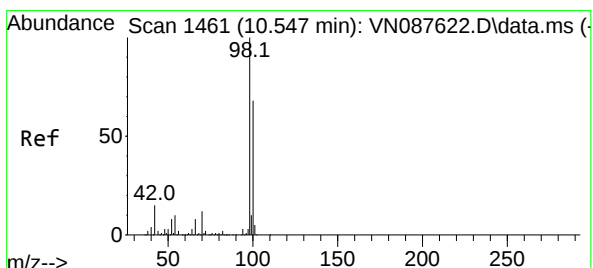
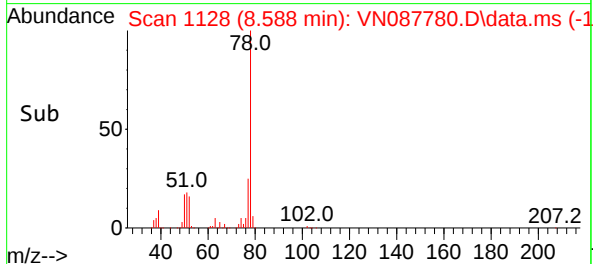
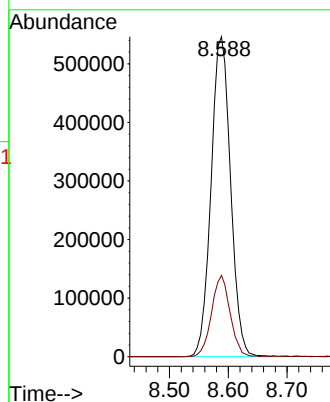
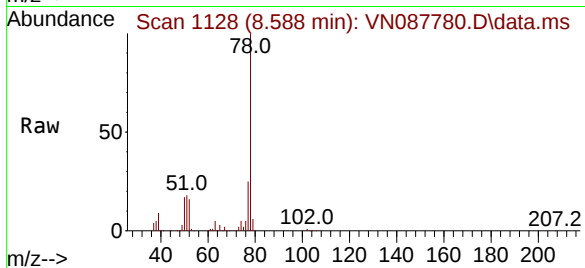




#40
Benzene
Concen: 77.224 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

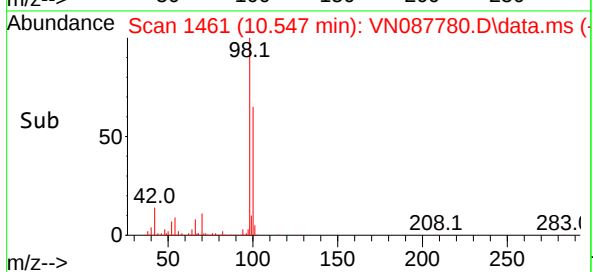
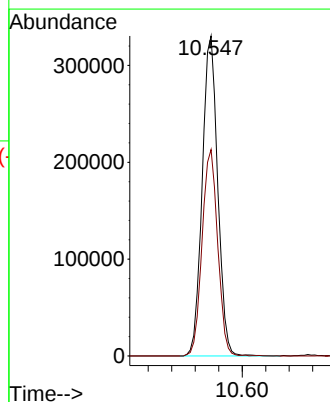
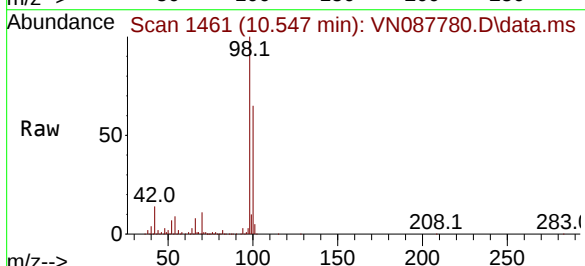
Instrument :
MSVOA_N
ClientSampleId :
DNAPLDL

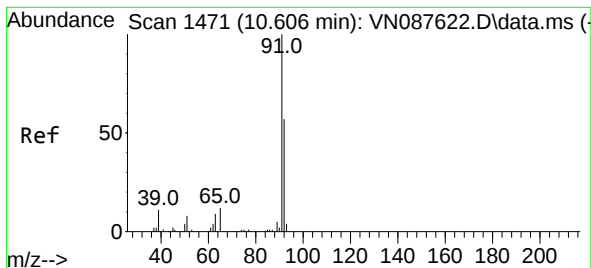
Tgt Ion: 78 Resp: 1258658
Ion Ratio Lower Upper
78 100
77 25.4 19.7 29.5



#50
Toluene-d8
Concen: 46.525 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion: 98 Resp: 603181
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2





#52

Toluene

Concen: 40.722 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VN087780.D

Acq: 10 Sep 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

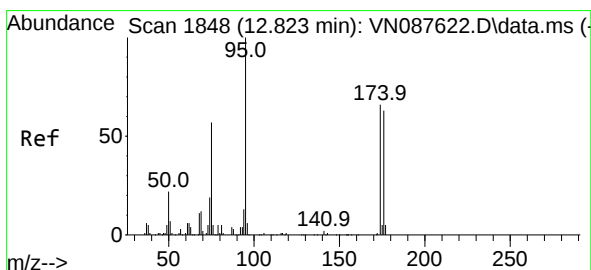
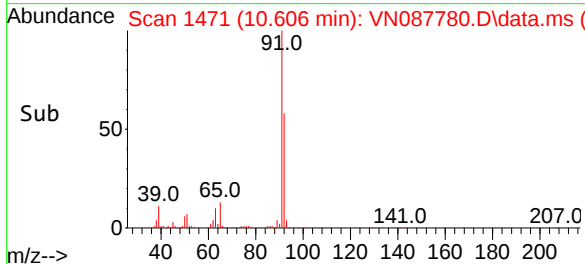
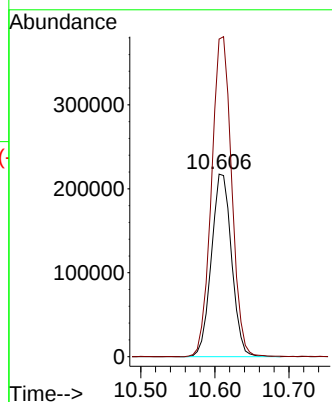
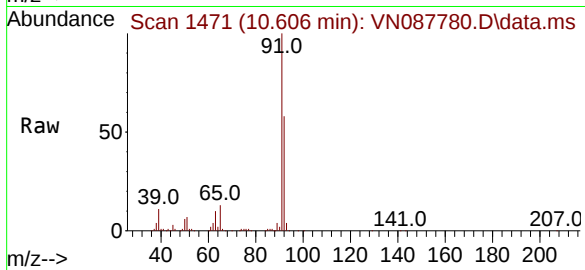
DNAPL DL

Tgt Ion: 92 Resp: 411470

Ion Ratio Lower Upper

92 100

91 175.0 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 47.575 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN087780.D

Acq: 10 Sep 2025 15:06

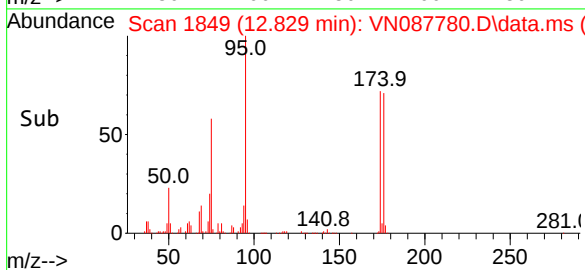
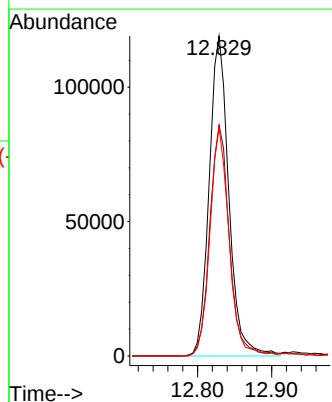
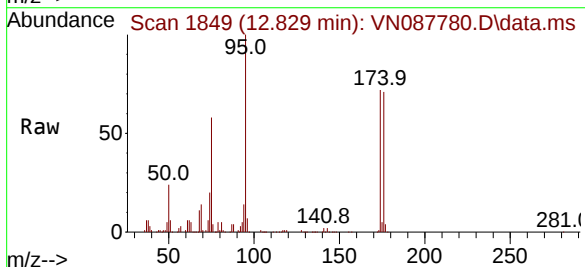
Tgt Ion: 95 Resp: 219349

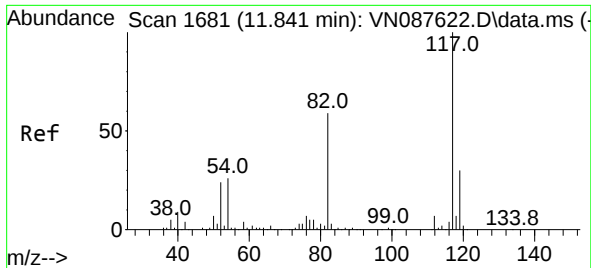
Ion Ratio Lower Upper

95 100

174 72.0 0.0 138.4

176 69.2 0.0 132.6

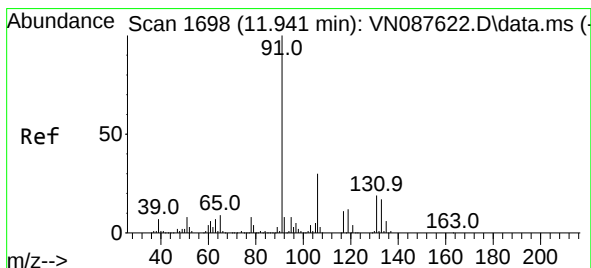
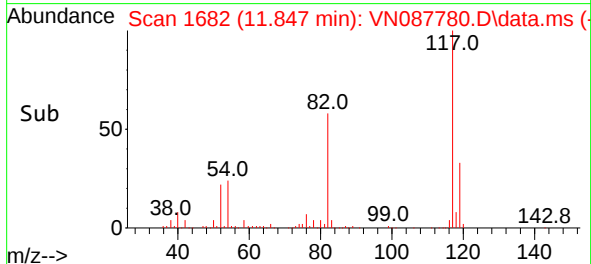
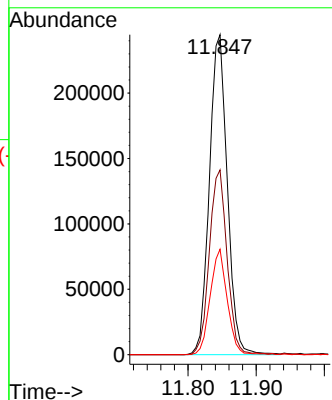
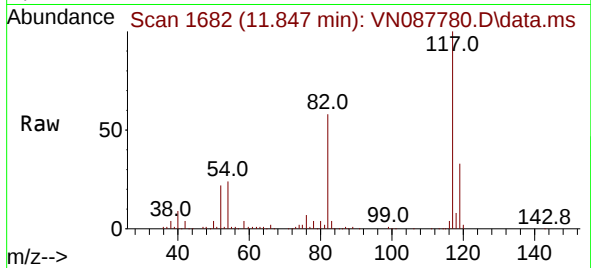




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

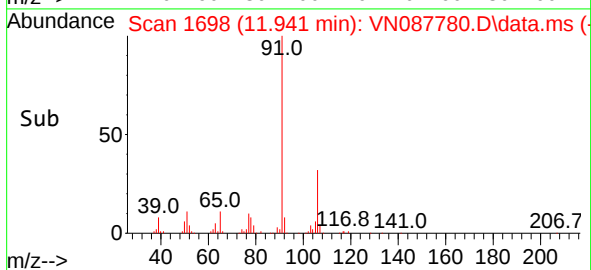
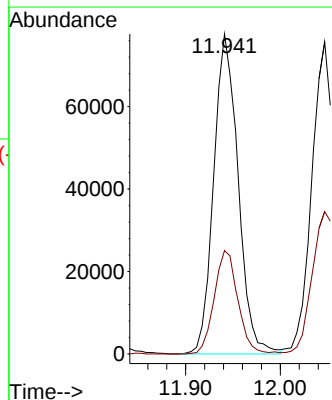
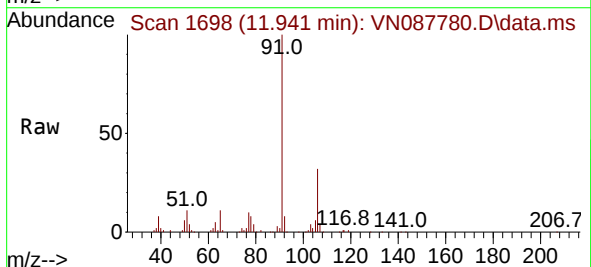
Instrument :
MSVOA_N
ClientSampleId :
DNAPL DL

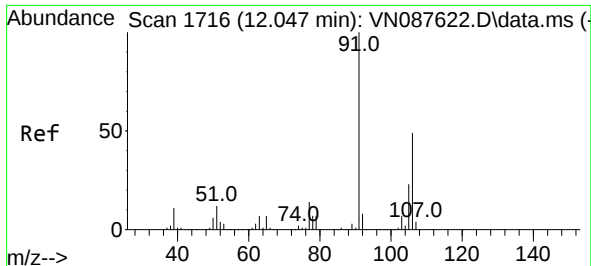
Tgt Ion:117 Resp: 447056
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 33.0 24.3 36.5



#67
Ethyl Benzene
Concen: 7.228 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion: 91 Resp: 139192
Ion Ratio Lower Upper
91 100
106 32.3 24.1 36.1

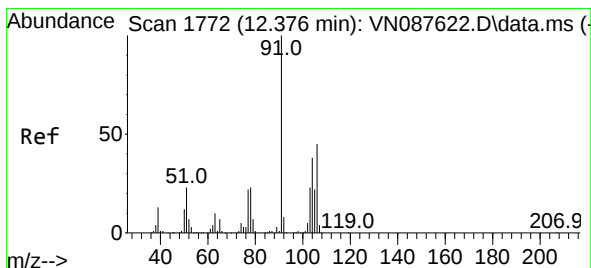
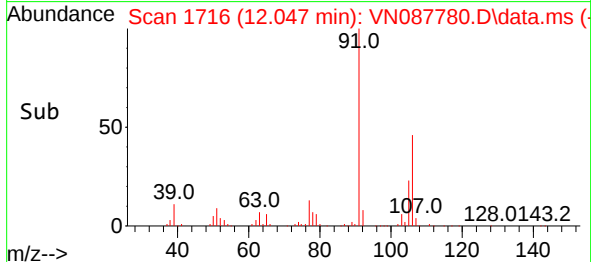
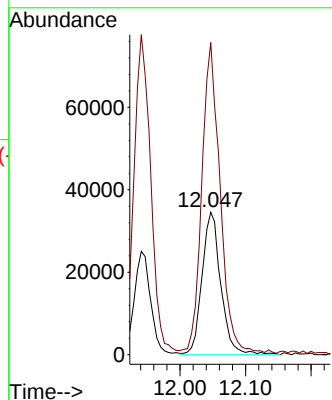
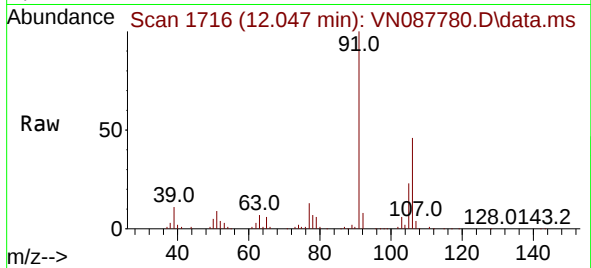




#68
m/p-Xylenes
Concen: 9.769 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

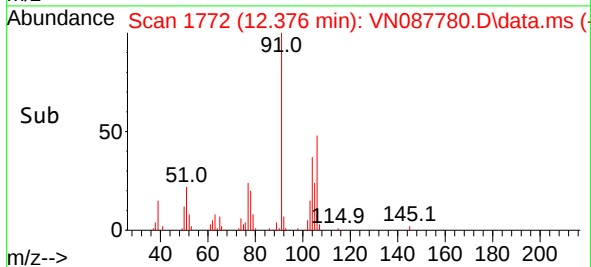
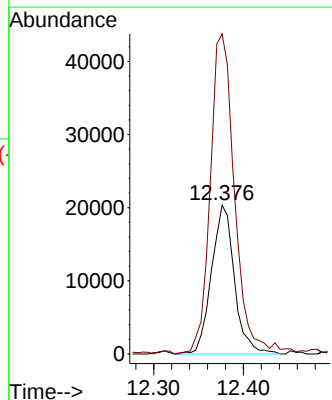
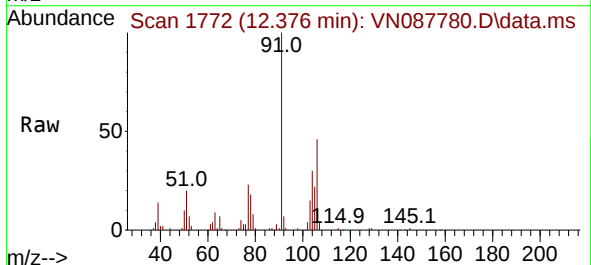
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MSVOA_N
ClientSampleId :
DNAPL DL

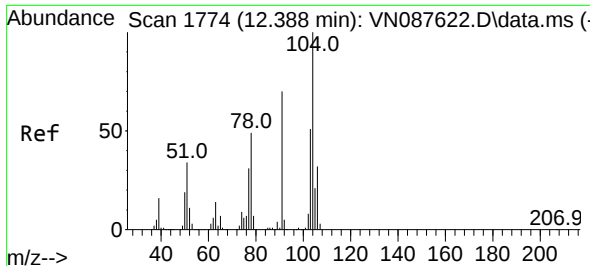
Tgt Ion:106 Resp: 68993
Ion Ratio Lower Upper
106 100
91 211.2 169.3 253.9



#69
o-Xylene
Concen: 5.218 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion:106 Resp: 36116
Ion Ratio Lower Upper
106 100
91 229.2 111.4 334.2

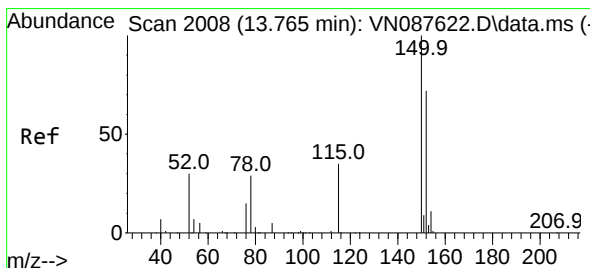
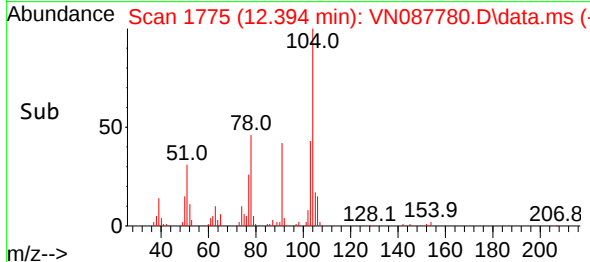
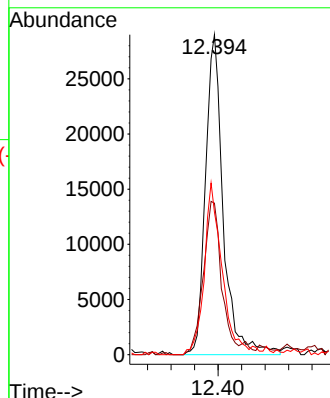
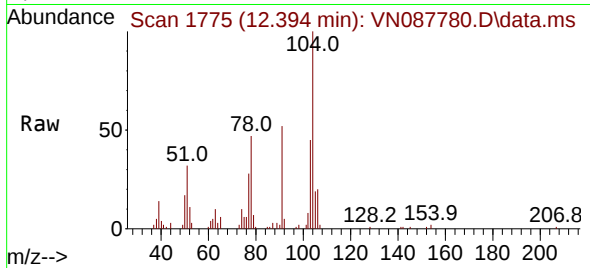




#70
Styrene
Concen: 5.238 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

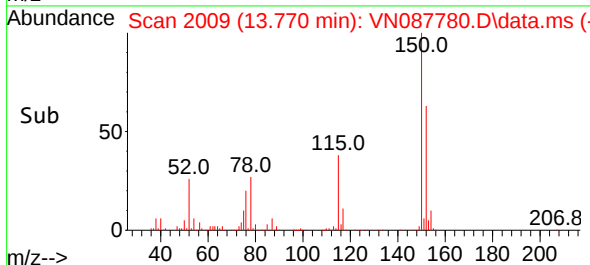
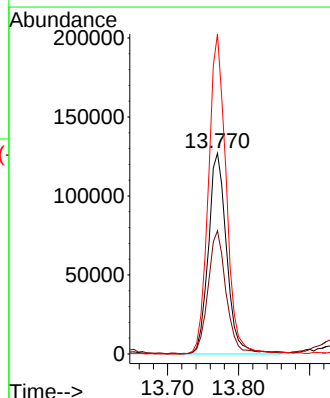
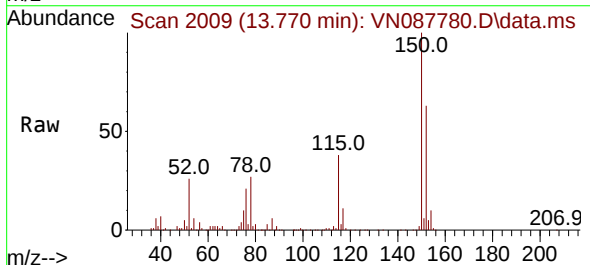
Instrument :
MSVOA_N
ClientSampleId :
DNAPL DL

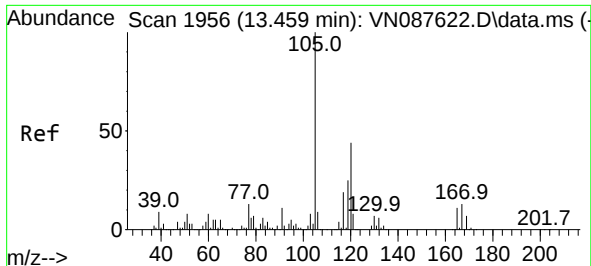
Tgt Ion:104 Resp: 60731
Ion Ratio Lower Upper
104 100
78 49.1 42.2 63.2
103 53.3 43.4 65.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion:152 Resp: 227062
Ion Ratio Lower Upper
152 100
115 59.9 32.3 96.8
150 155.0 0.0 351.0

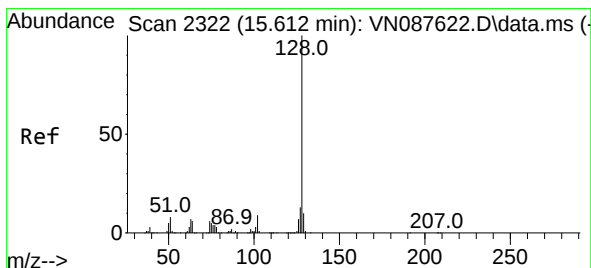
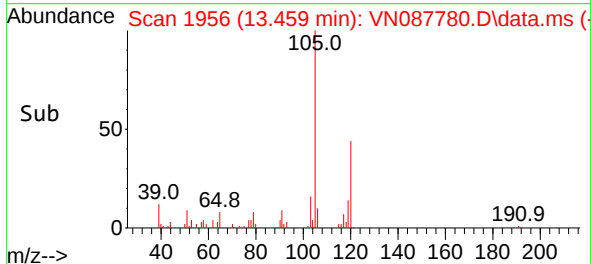
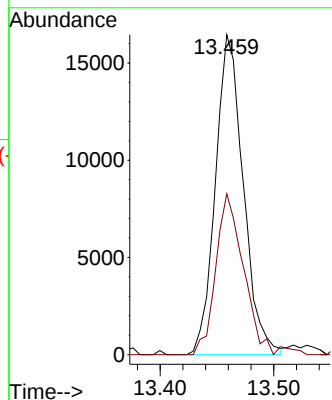
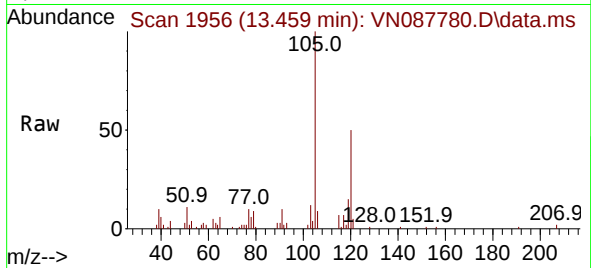




#84
1,2,4-Trimethylbenzene
Concen: 1.801 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
DNAPL DL

Tgt Ion:105 Resp: 28067
Ion Ratio Lower Upper
105 100
120 50.4 22.0 66.0



#95
Naphthalene
Concen: 60.599 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087780.D
Acq: 10 Sep 2025 15:06

Tgt Ion:128 Resp: 1041754
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.1 8.6 12.8

