

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087784.D
 Acq On : 10 Sep 2025 16:29
 Operator : JC\MD
 Sample : Q3045-05 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPL-OIL

Quant Time: Sep 11 02:06:43 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)

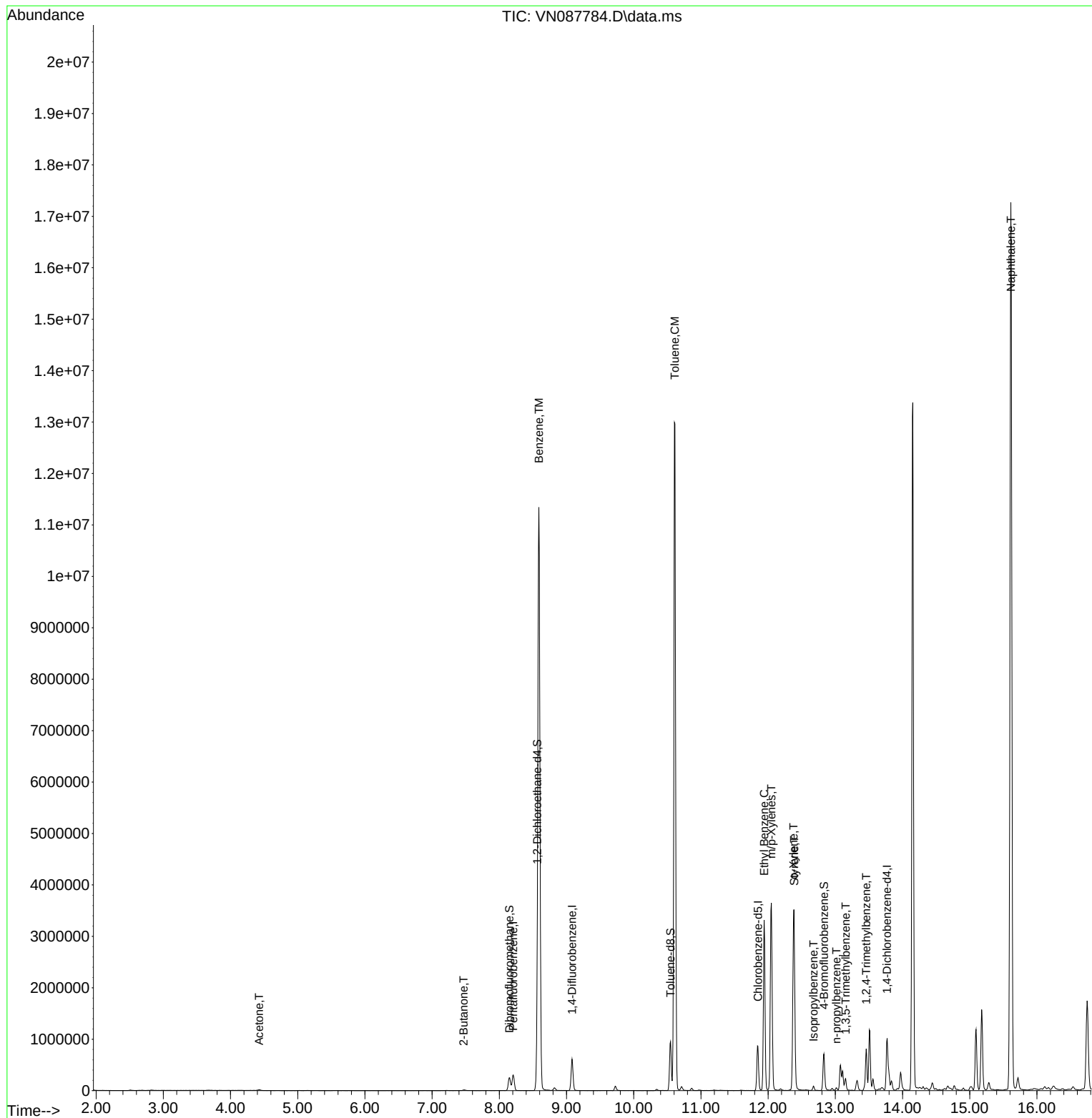
Internal Standards						
1) Pentafluorobenzene	8.206	168	211626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	497418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	492231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	268095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	247186	57.008	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.020%	
35) Dibromofluoromethane	8.147	113	180843	50.355	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.720%	
50) Toluene-d8	10.547	98	632980	47.091	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.180%	
62) 4-Bromofluorobenzene	12.829	95	255305	53.408	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.820%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	26030	11.028	ug/l	100
25) 2-Butanone	7.471	43	22739	7.323	ug/l	96
40) Benzene	8.588	78	11263102	666.508	ug/l	100
52) Toluene	10.612	92	5619522	536.407	ug/l	98
67) Ethyl Benzene	11.941	91	2411678	113.743	ug/l	98
68) m/p-Xylenes	12.047	106	1130151	145.338	ug/l	98
69) o-Xylene	12.376	106	623633	81.836	ug/l	98
70) Styrene	12.388	104	1004280	78.663	ug/l	98
73) Isopropylbenzene	12.676	105	52921	2.443	ug/l	99
78) n-propylbenzene	13.018	91	38273	1.434	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	134724	7.331	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	449665	24.442	ug/l	98
95) Naphthalene	15.612	128	15273405	752.471	ug/l	99

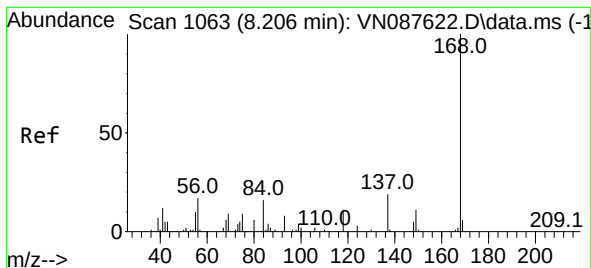
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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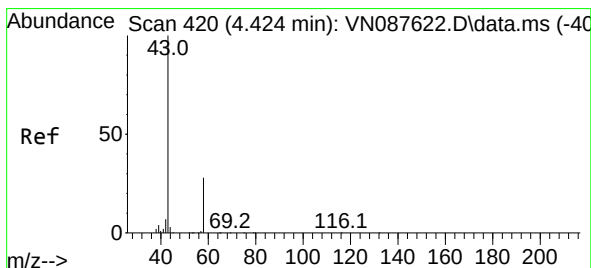
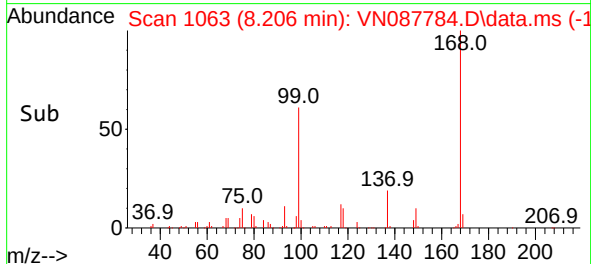
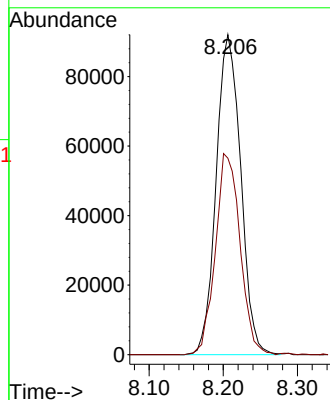
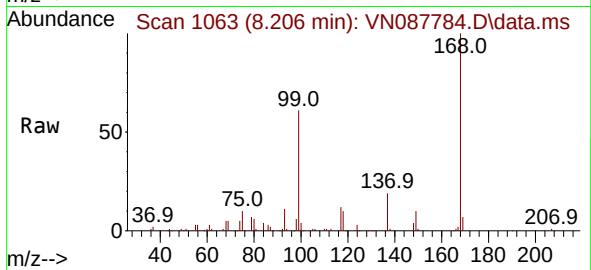




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

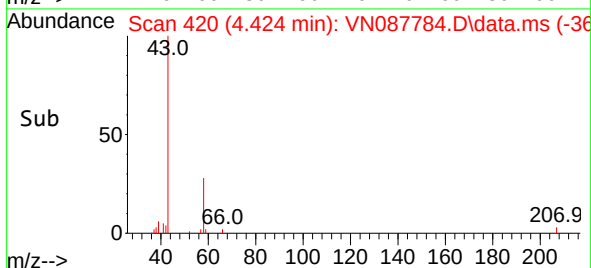
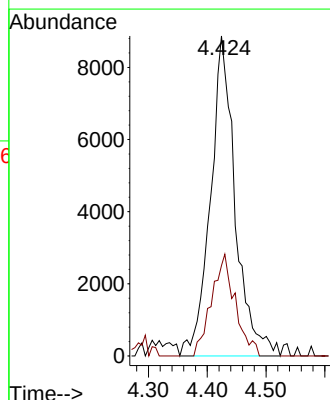
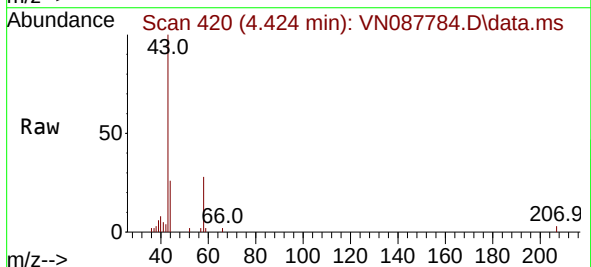
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

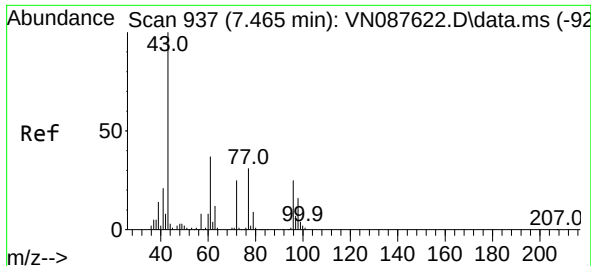
Tgt Ion:168 Resp: 211626
Ion Ratio Lower Upper
168 100
99 61.4 57.2 85.8



#16
Acetone
Concen: 11.028 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion: 43 Resp: 26030
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8

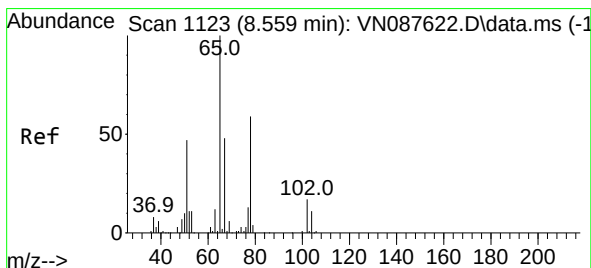
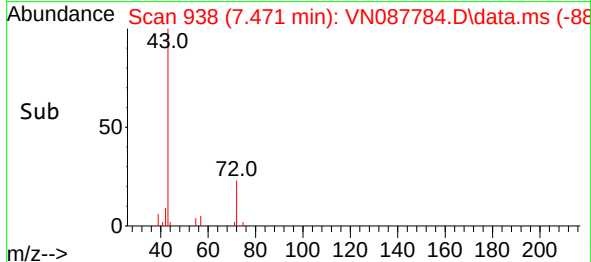
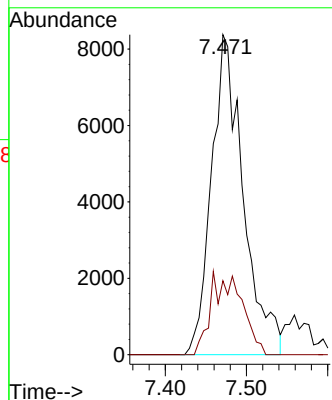
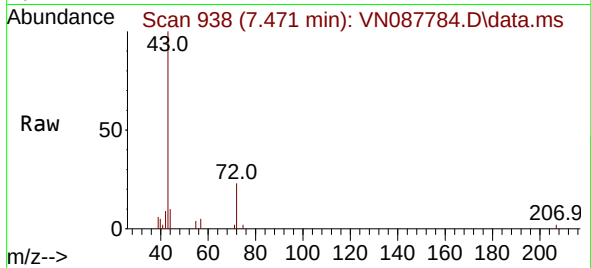




#25
2-Butanone
Concen: 7.323 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

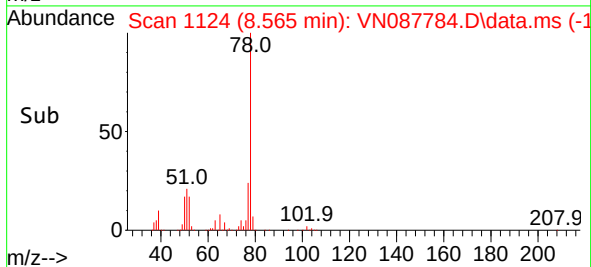
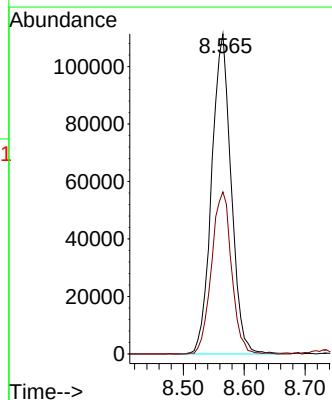
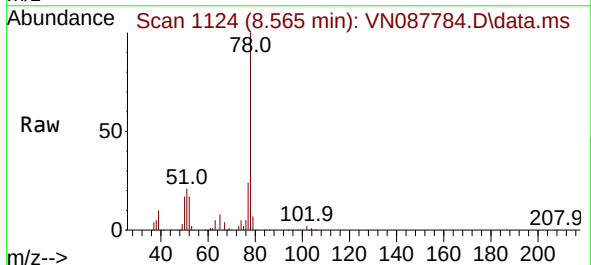
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

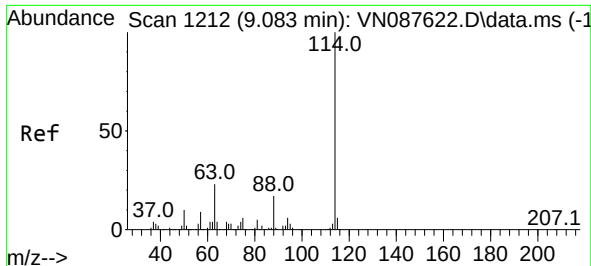
Tgt Ion: 43 Resp: 22739
Ion Ratio Lower Upper
43 100
72 23.1 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 57.008 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion: 65 Resp: 247186
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.0

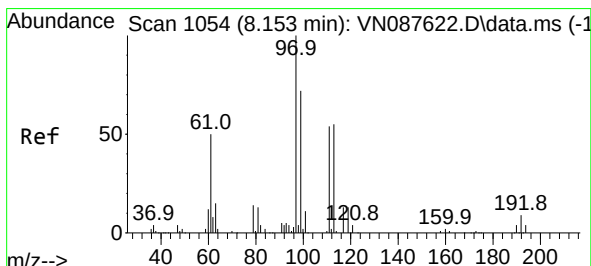
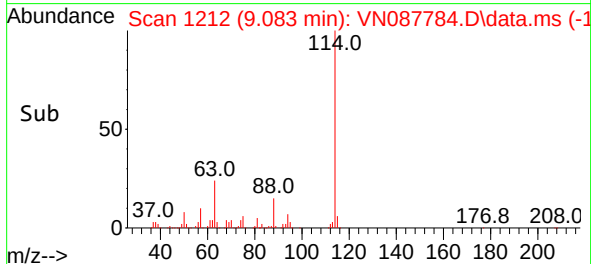
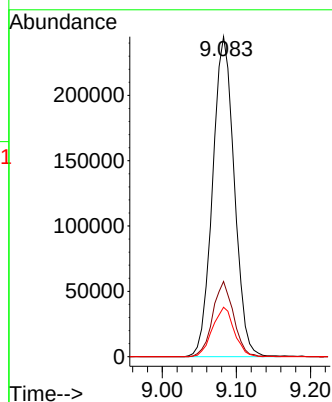
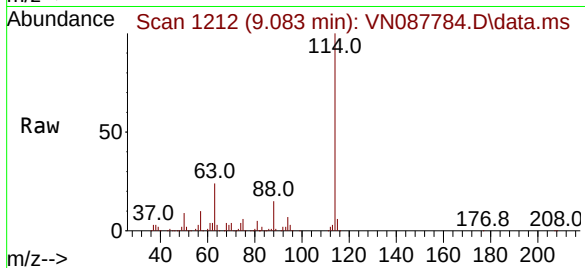




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

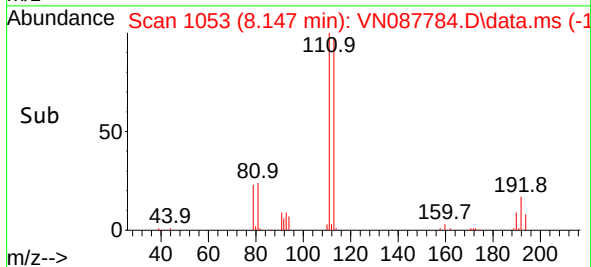
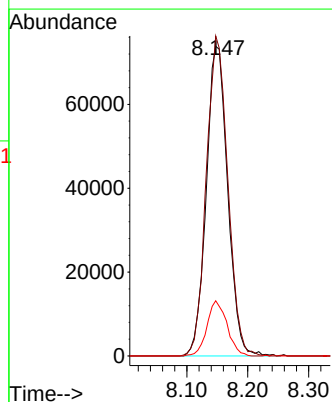
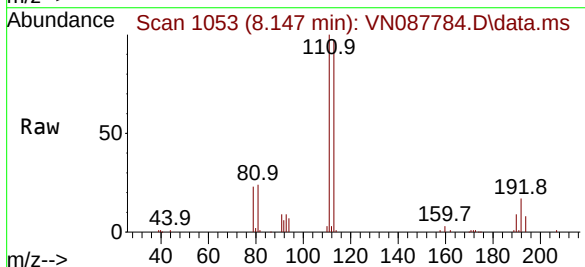
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

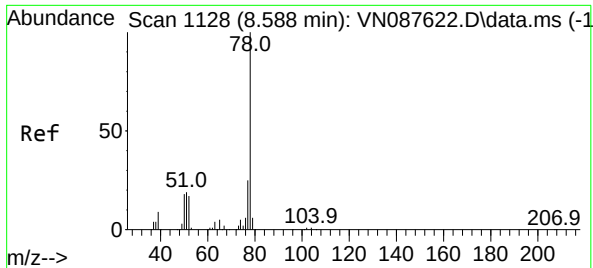
Tgt Ion:114 Resp: 497418
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.2
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.355 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion:113 Resp: 180843
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 16.7 12.8 19.2

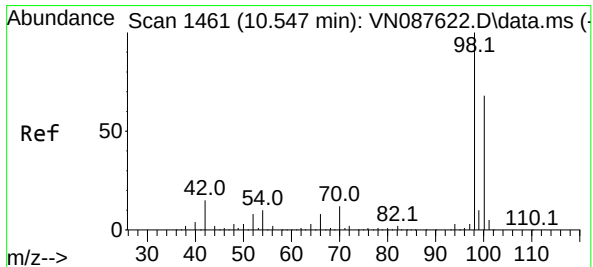
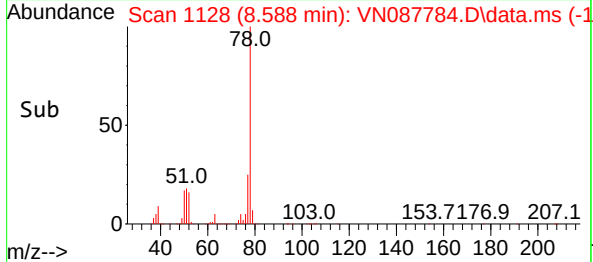
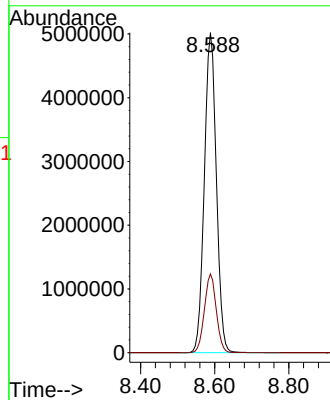
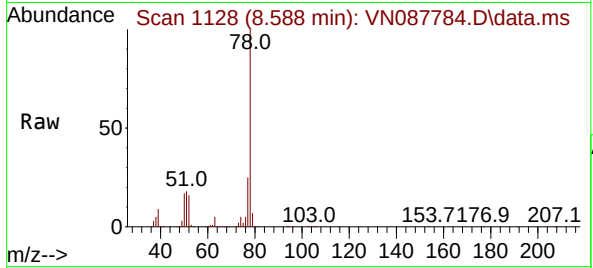




#40
Benzene
Concen: 666.508 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

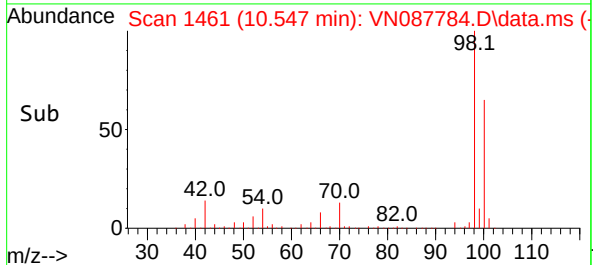
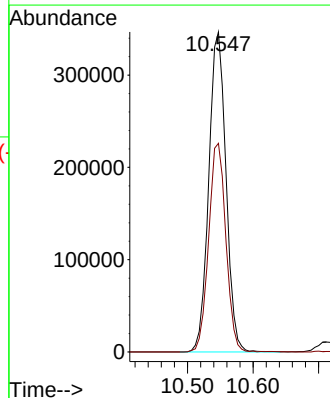
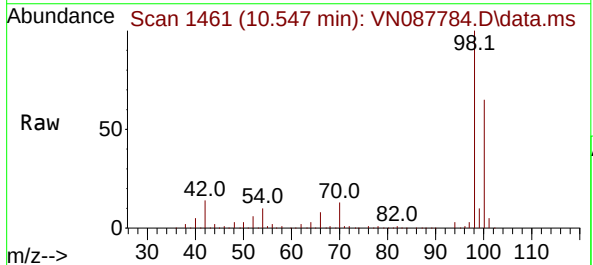
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

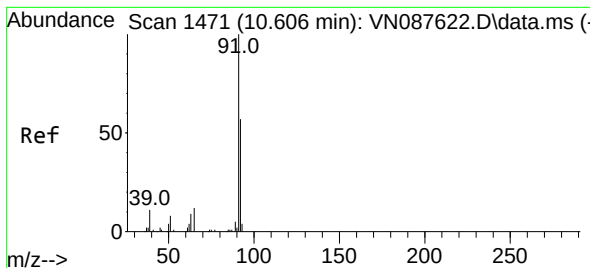
Tgt Ion: 78 Resp:11263102
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5



#50
Toluene-d8
Concen: 47.091 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion: 98 Resp: 632980
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2





#52

Toluene

Concen: 536.407 ug/l

RT: 10.612 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VN087784.D

Acq: 10 Sep 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

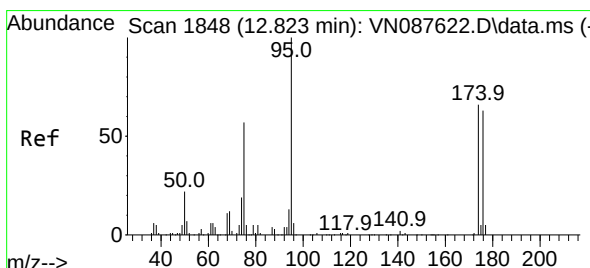
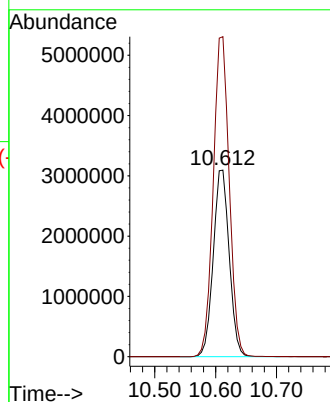
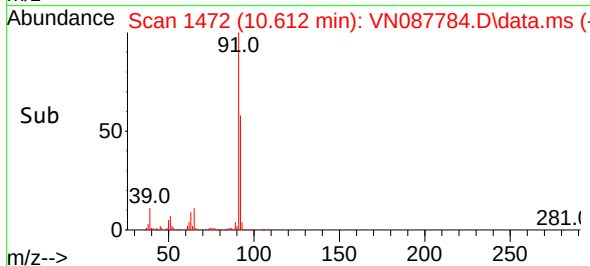
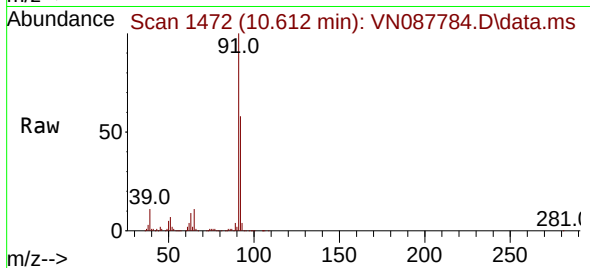
DNAPL-OIL

Tgt Ion: 92 Resp: 5619522

Ion Ratio Lower Upper

92 100

91 172.3 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 53.408 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN087784.D

Acq: 10 Sep 2025 16:29

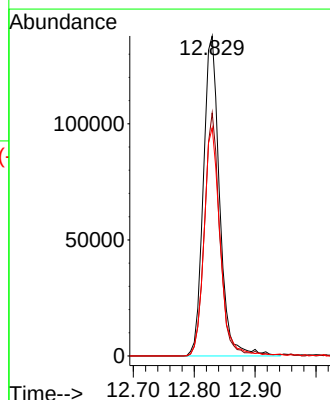
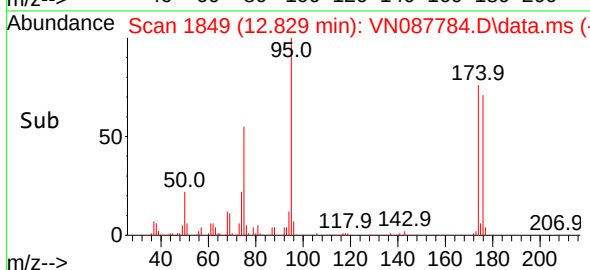
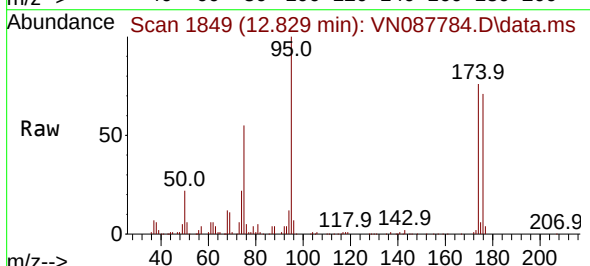
Tgt Ion: 95 Resp: 255305

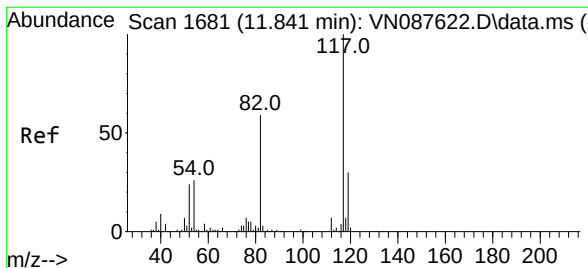
Ion Ratio Lower Upper

95 100

174 71.0 0.0 138.4

176 70.8 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087784.D

Acq: 10 Sep 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

DNAPL-OIL

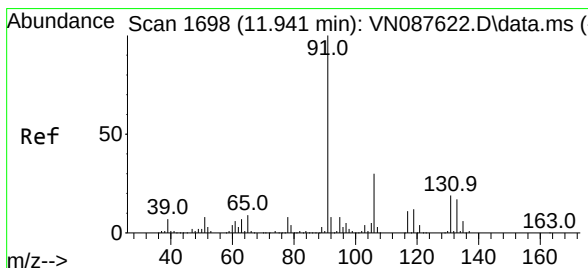
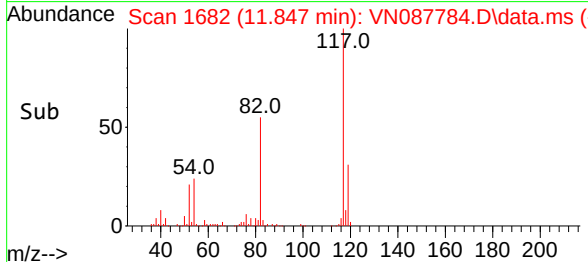
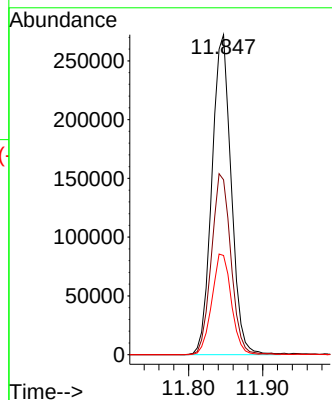
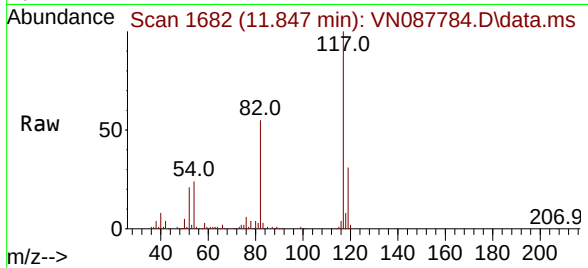
Tgt Ion:117 Resp: 492231

Ion Ratio Lower Upper

117 100

82 54.6 47.4 71.2

119 31.0 24.3 36.5



#67

Ethyl Benzene

Concen: 113.743 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VN087784.D

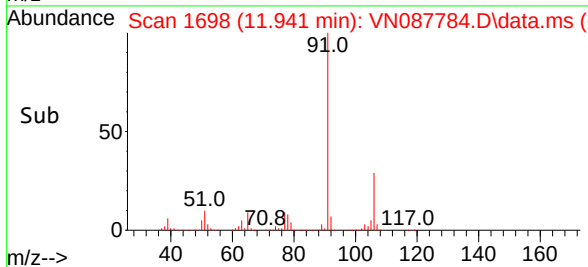
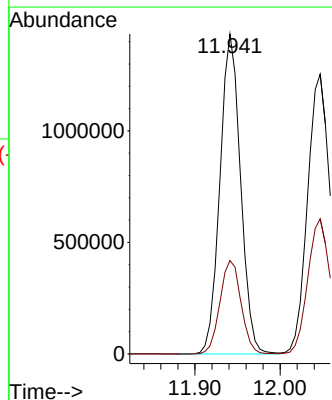
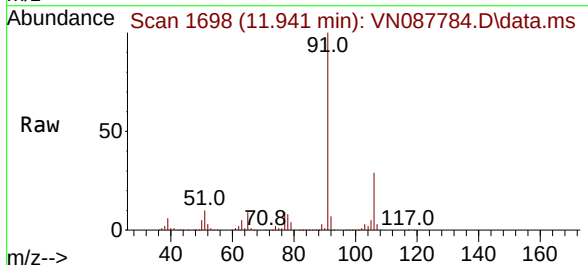
Acq: 10 Sep 2025 16:29

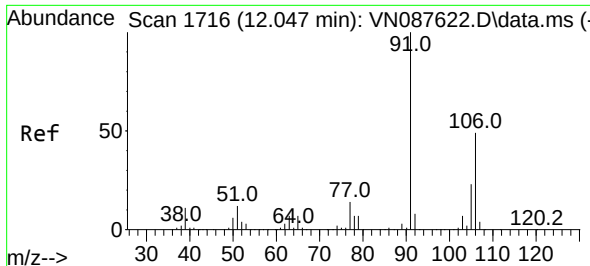
Tgt Ion: 91 Resp: 2411678

Ion Ratio Lower Upper

91 100

106 29.2 24.1 36.1

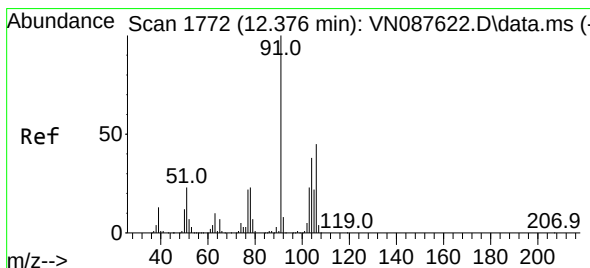
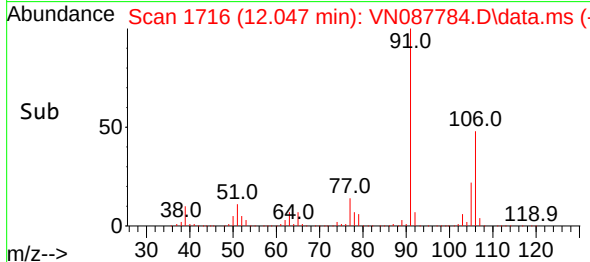
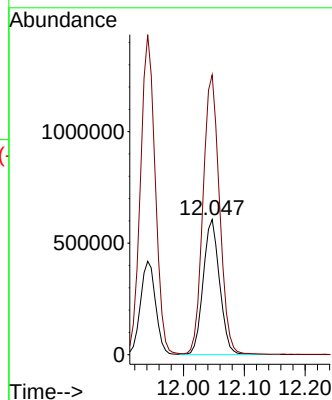
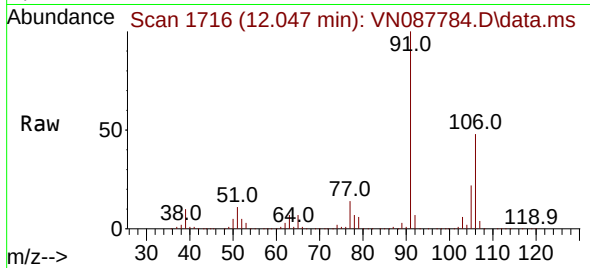




#68
m/p-Xylenes
Concen: 145.338 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

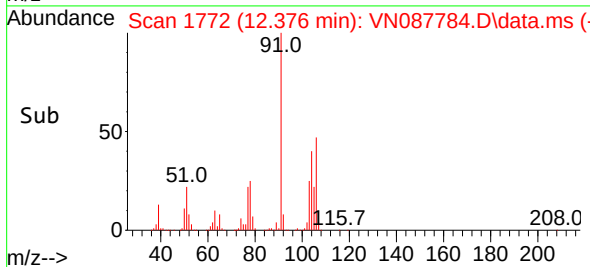
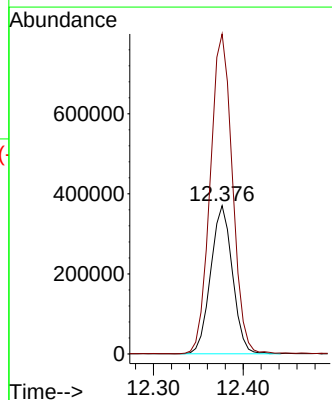
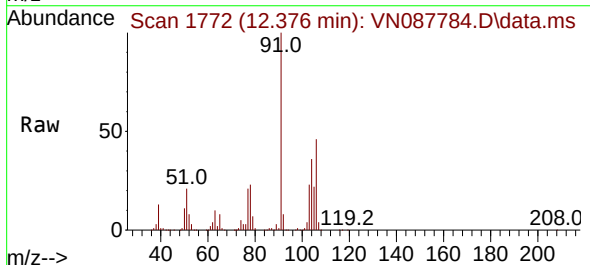
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

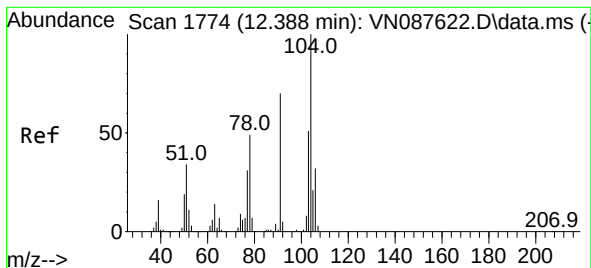
Tgt Ion:106 Resp: 1130151
Ion Ratio Lower Upper
106 100
91 208.7 169.3 253.9



#69
o-Xylene
Concen: 81.836 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion:106 Resp: 623633
Ion Ratio Lower Upper
106 100
91 220.2 111.4 334.2





#70

Styrene

Concen: 78.663 ug/l

RT: 12.388 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087784.D

Acq: 10 Sep 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

DNAPL-OIL

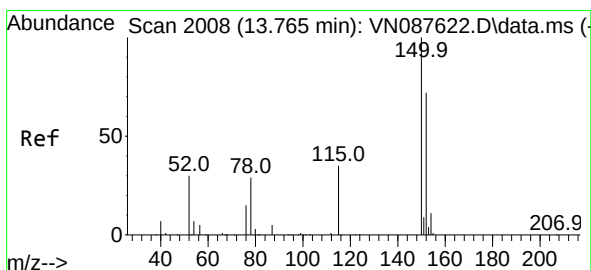
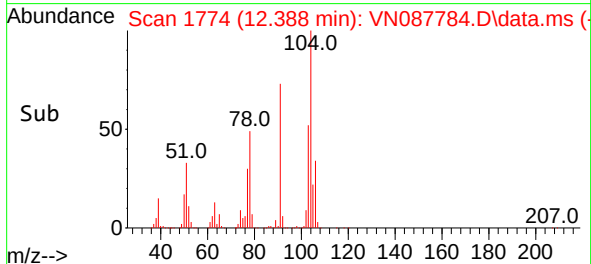
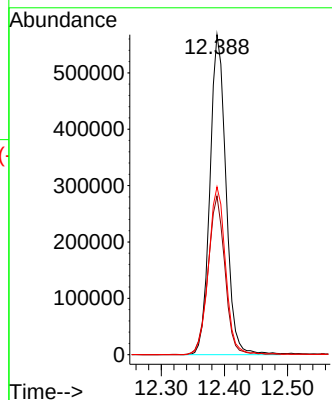
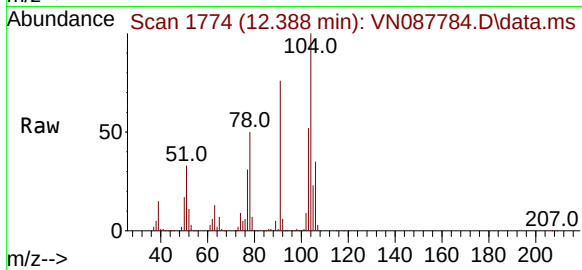
Tgt Ion:104 Resp: 1004280

Ion Ratio Lower Upper

104 100

78 51.9 42.2 63.2

103 55.7 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: VN087784.D

Acq: 10 Sep 2025 16:29

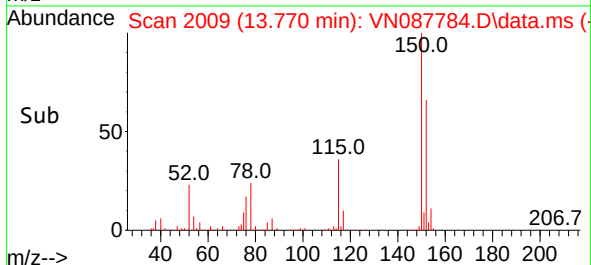
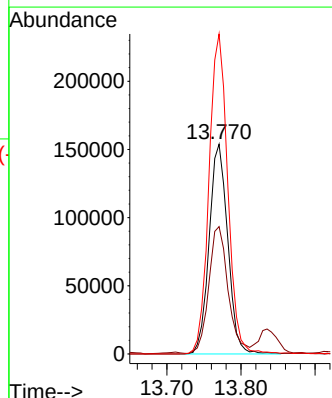
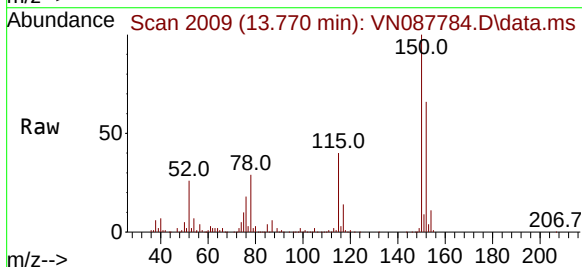
Tgt Ion:152 Resp: 268095

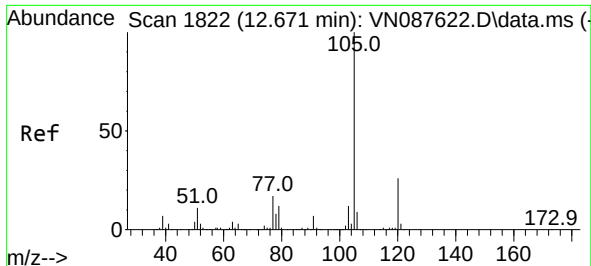
Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

150 153.9 0.0 351.0

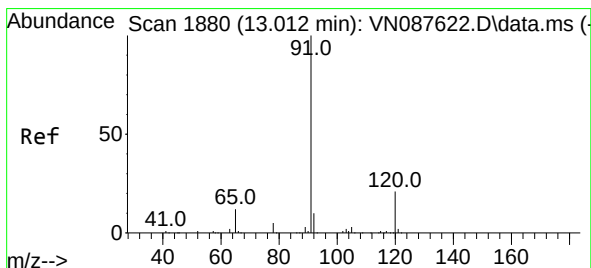
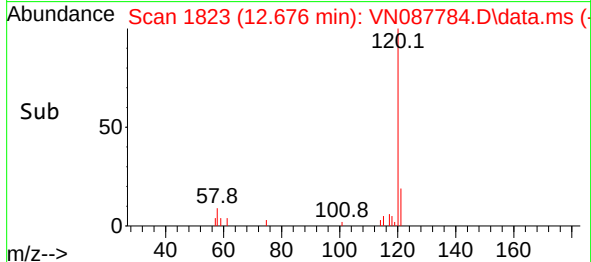
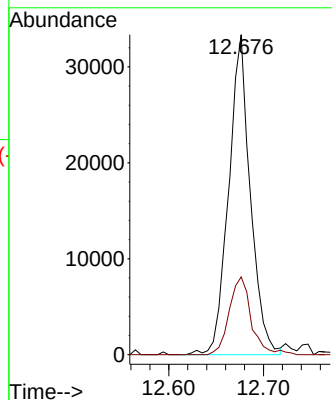
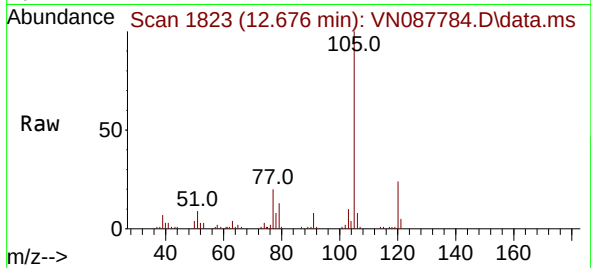




#73
Isopropylbenzene
Concen: 2.443 ug/l
RT: 12.676 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

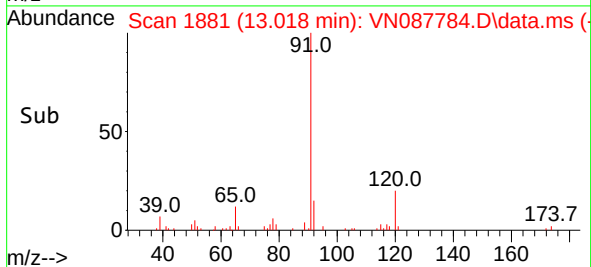
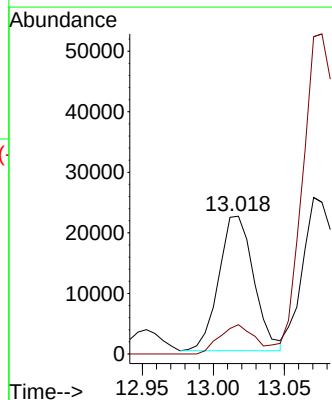
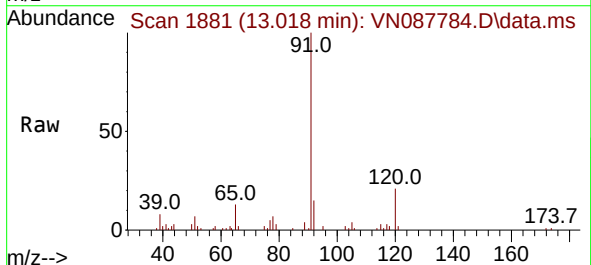
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

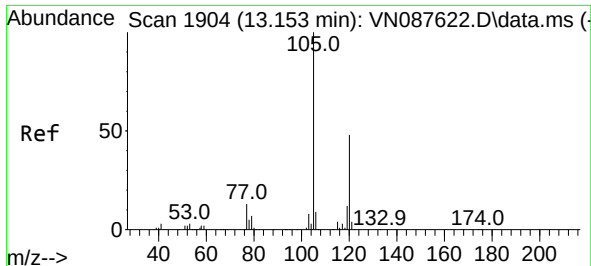
Tgt Ion:105 Resp: 52921
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.3



#78
n-propylbenzene
Concen: 1.434 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion: 91 Resp: 38273
Ion Ratio Lower Upper
91 100
120 21.0 10.7 32.1

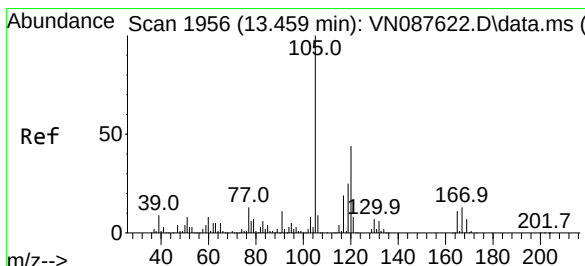
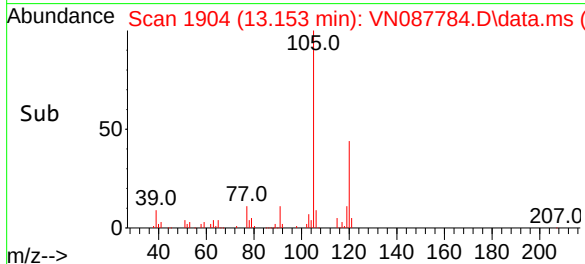
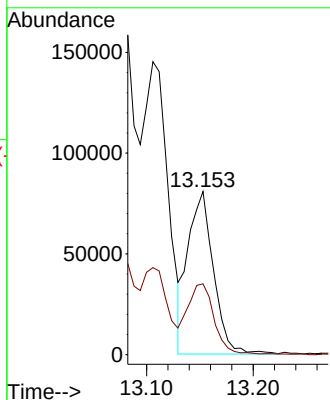
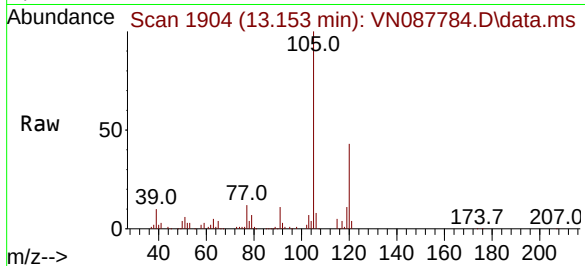




#80
1,3,5-Trimethylbenzene
Concen: 7.331 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

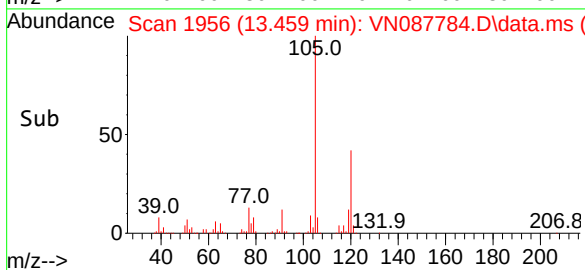
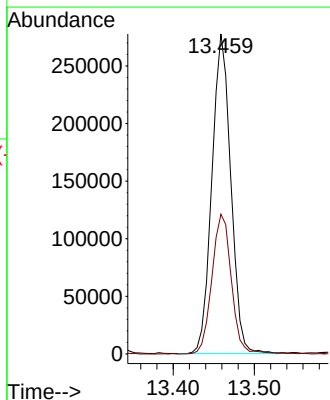
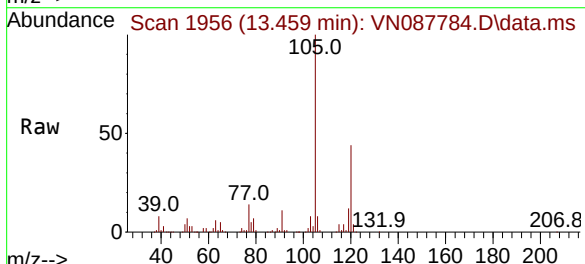
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

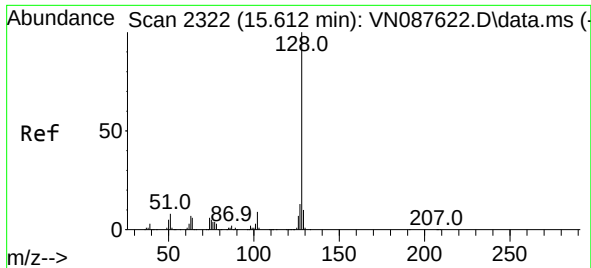
Tgt Ion:105 Resp: 134724
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.6



#84
1,2,4-Trimethylbenzene
Concen: 24.442 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Tgt Ion:105 Resp: 449665
Ion Ratio Lower Upper
105 100
120 45.1 22.0 66.0





#95
Naphthalene
Concen: 752.471 ug/l
RT: 15.612 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087784.D
Acq: 10 Sep 2025 16:29

Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OIL

Tgt Ion:128 Resp:15273405
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.2 8.6 12.8

