

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087785.D
 Acq On : 10 Sep 2025 16:50
 Operator : JC\MD
 Sample : Q3045-05DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPL-OILDL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:07:14 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	188752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	444979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	418342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	209155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	194757	50.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.720%			
35) Dibromofluoromethane	8.147	113	156894	48.835	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.660%			
50) Toluene-d8	10.547	98	556657	46.293	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.580%			
62) 4-Bromofluorobenzene	12.829	95	202783	47.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.840%			
Target Compounds					Qvalue	
40) Benzene	8.588	78	2096857	138.707	ug/l	100
52) Toluene	10.612	92	1020684	108.910	ug/l	99
67) Ethyl Benzene	11.941	91	429316	23.824	ug/l	99
68) m/p-Xylenes	12.047	106	194251	29.393	ug/l	99
69) o-Xylene	12.376	106	106200	16.398	ug/l	97
70) Styrene	12.388	104	166238	15.321	ug/l	96
80) 1,3,5-Trimethylbenzene	13.147	105	22570m	1.574	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	77284	5.385	ug/l	100
95) Naphthalene	15.611	128	2841260	179.426	ug/l	100

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

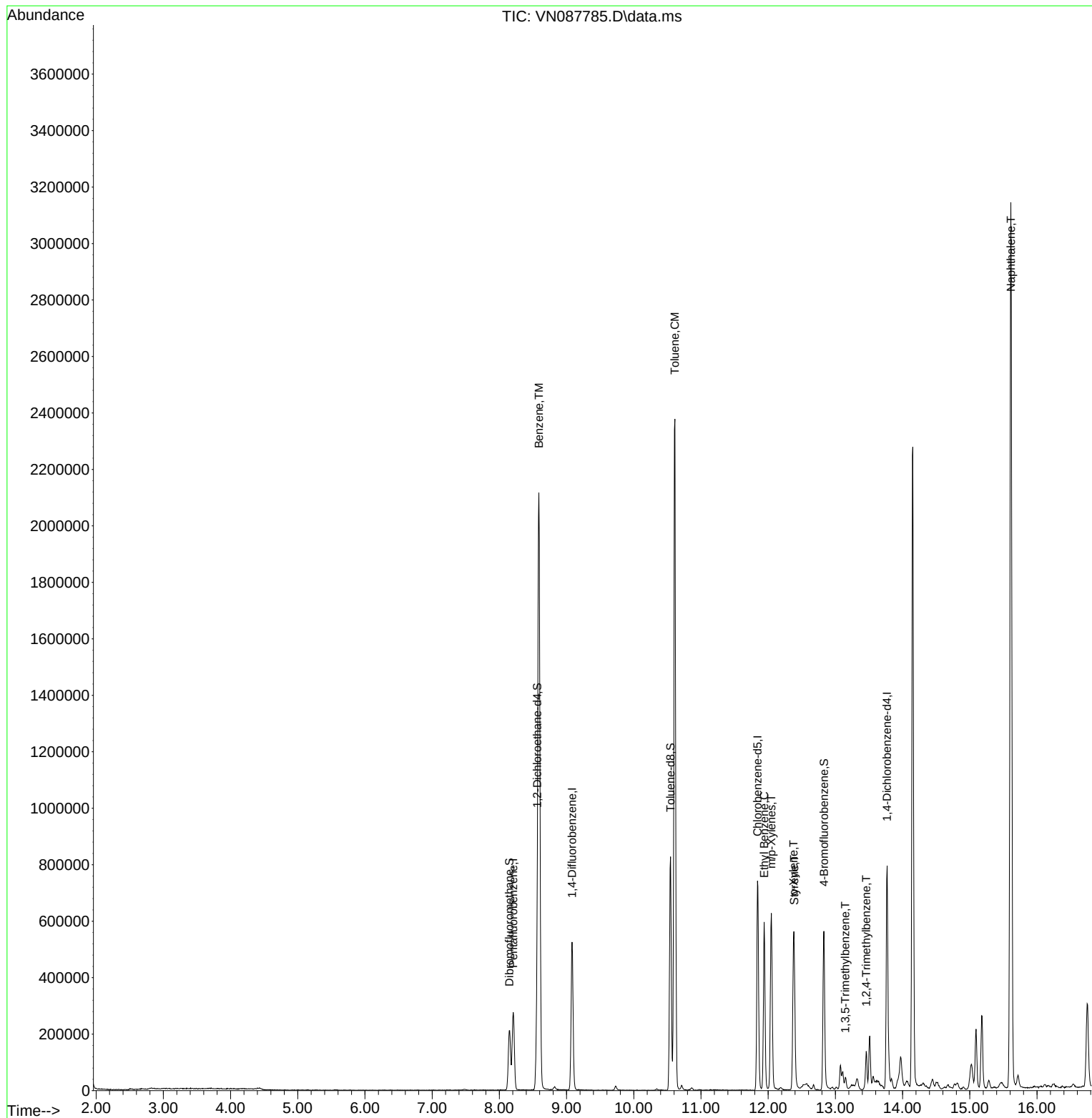
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087785.D
Acq On : 10 Sep 2025 16:50
Operator : JC\MD
Sample : Q3045-05DL 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

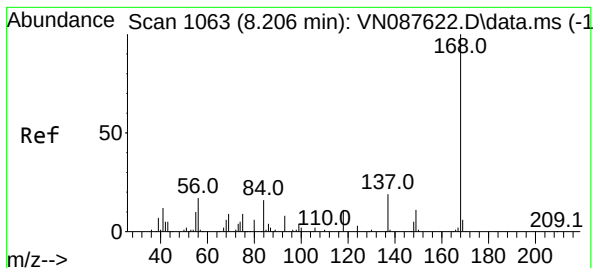
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL

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Supervised By :Mahesh Dadoda 09/11/2025

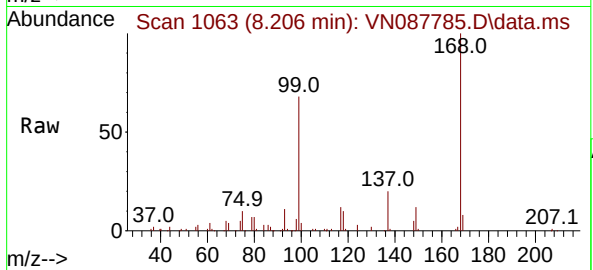
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

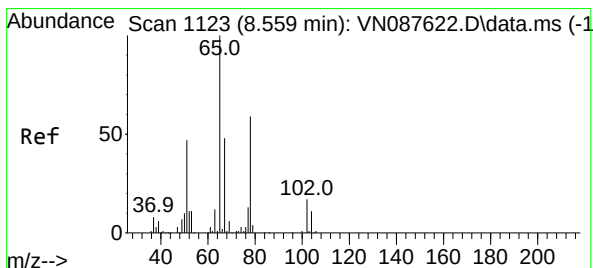
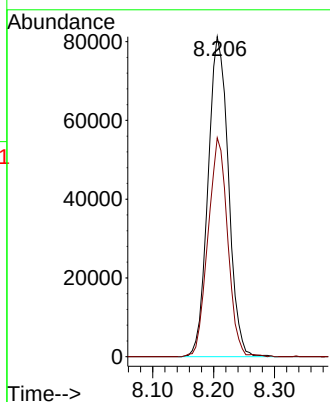
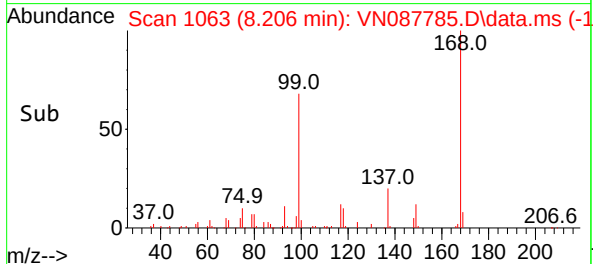
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL



Tgt Ion: 168 Resp: 188752
Ion Ratio Lower Upper
168 100
99 68.4 57.2 85.8

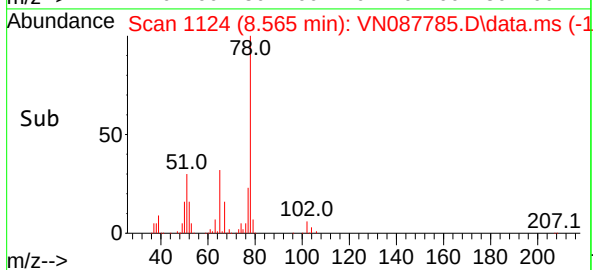
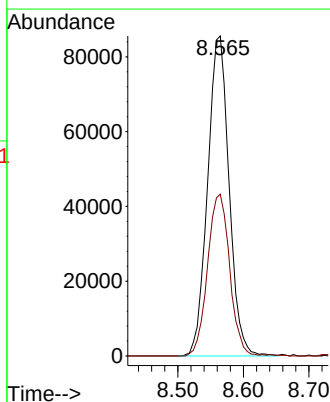
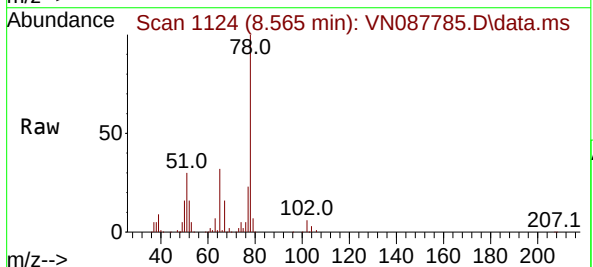
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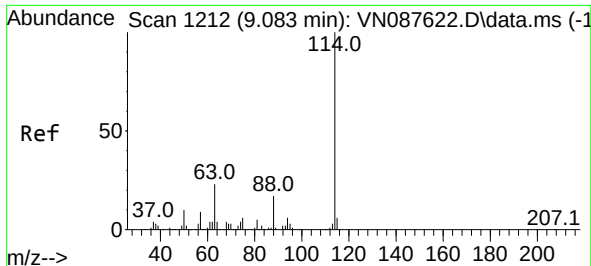
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#33
1,2-Dichloroethane-d4
Concen: 50.360 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

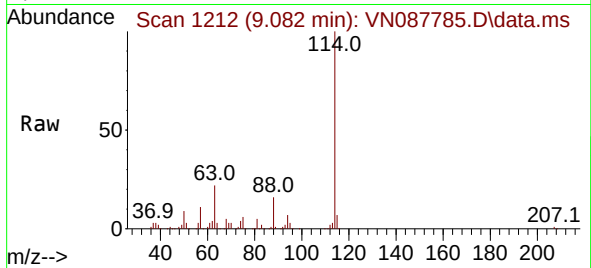
Tgt Ion: 65 Resp: 194757
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

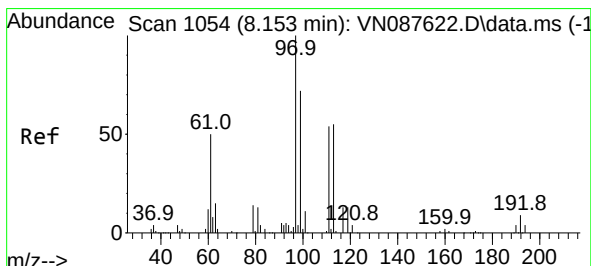
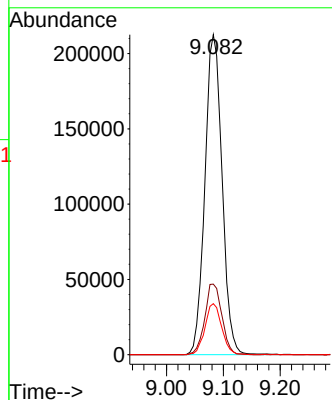
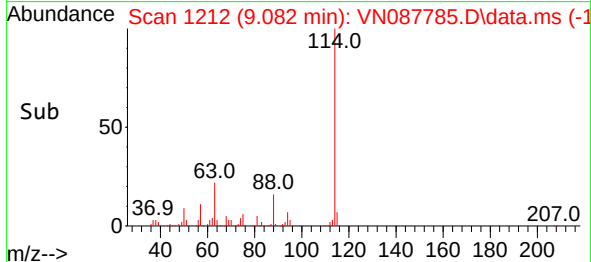
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL



Tgt Ion:114 Resp: 444979
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.2
88 15.9 0.0 33.4

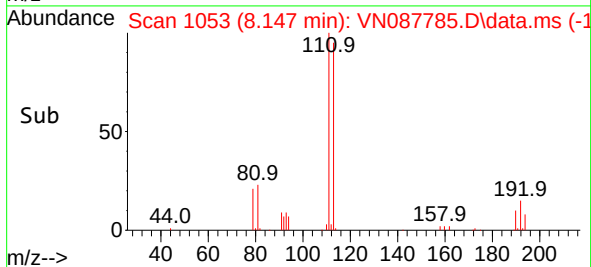
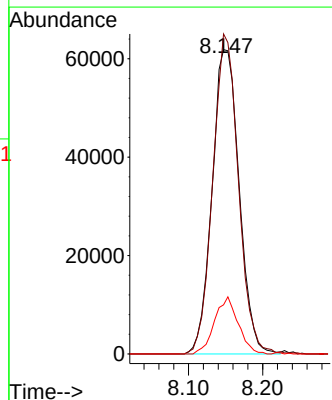
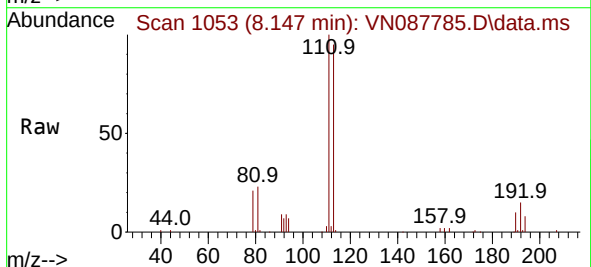
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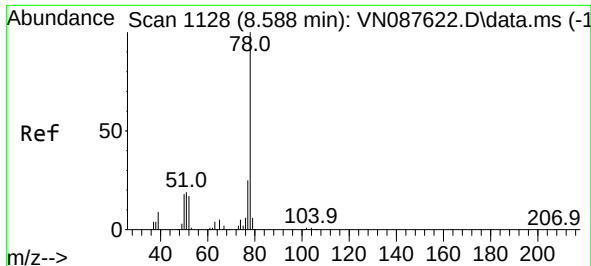
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#35
Dibromofluoromethane
Concen: 48.835 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

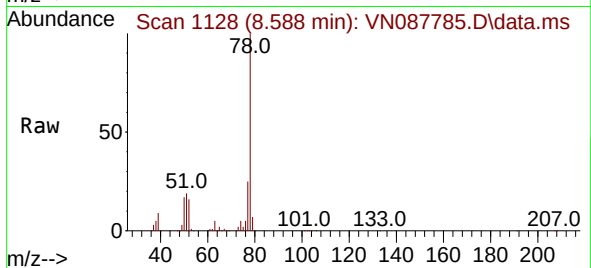
Tgt Ion:113 Resp: 156894
Ion Ratio Lower Upper
113 100
111 99.5 82.8 124.2
192 16.4 12.8 19.2





#40
Benzene
Concen: 138.707 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

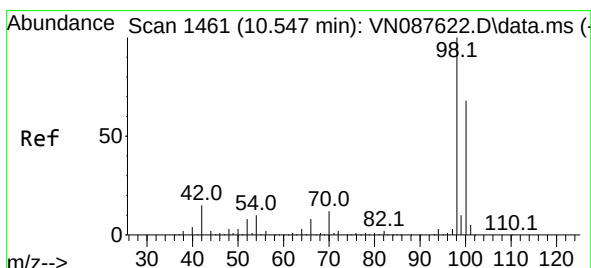
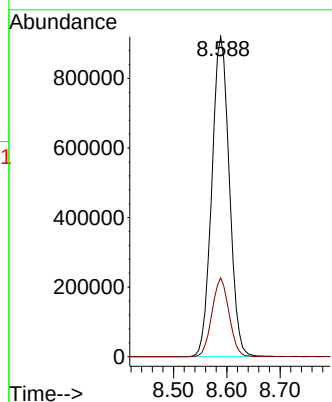
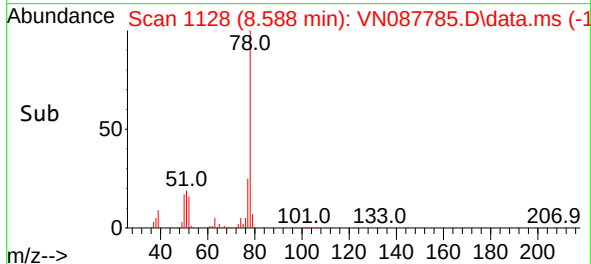
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL



Tgt Ion: 78 Resp: 209685
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5

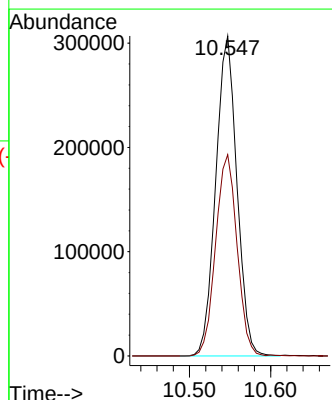
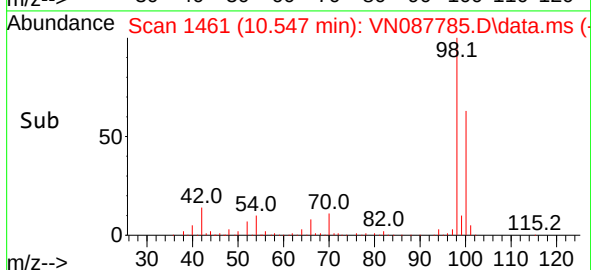
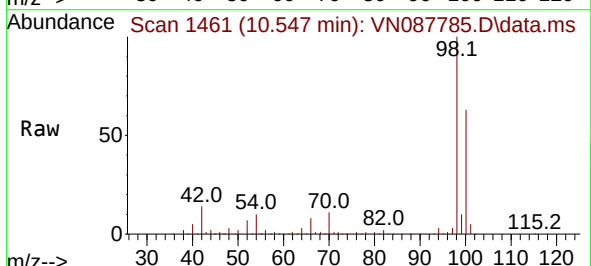
Manual Integrations
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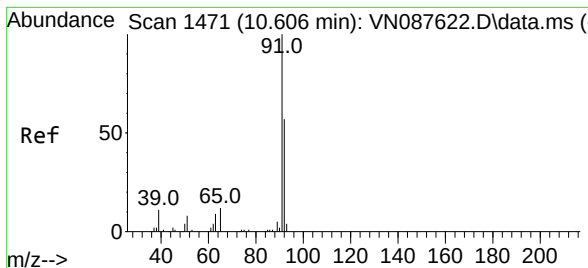
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#50
Toluene-d8
Concen: 46.293 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

Tgt Ion: 98 Resp: 556657
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2





#52

Toluene

Concen: 108.910 ug/l

RT: 10.612 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VN087785.D

Acq: 10 Sep 2025 16:50

Instrument :

MSVOA_N

ClientSampleId :

DNAPL-OILDL

Tgt Ion: 92 Resp: 1020684

Ion Ratio Lower Upper

92 100

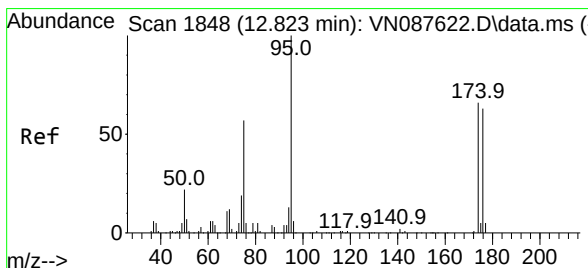
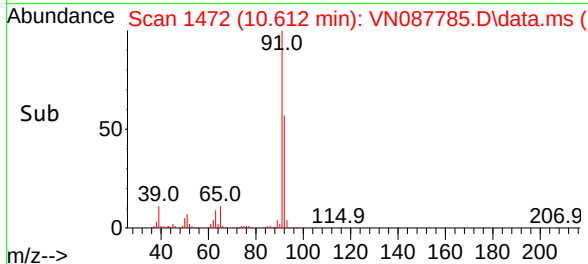
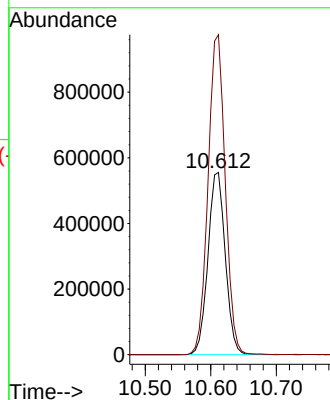
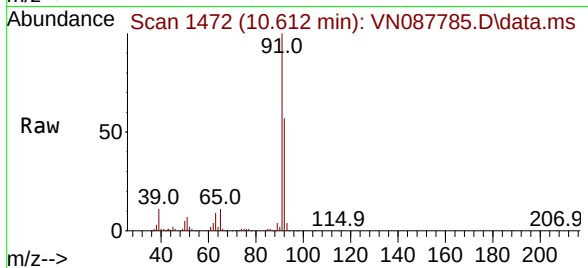
91 174.4 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#62

4-Bromofluorobenzene

Concen: 47.420 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN087785.D

Acq: 10 Sep 2025 16:50

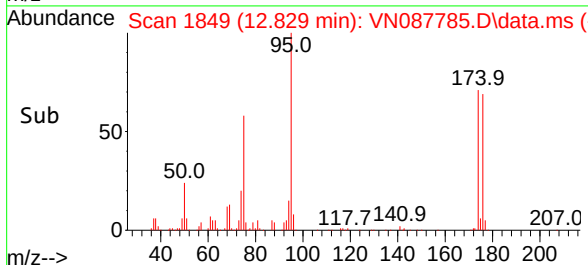
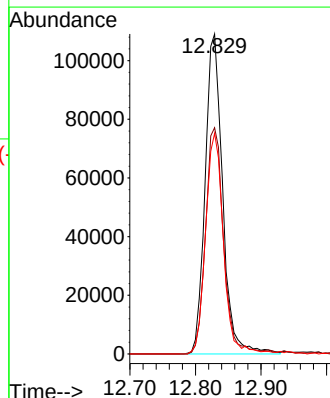
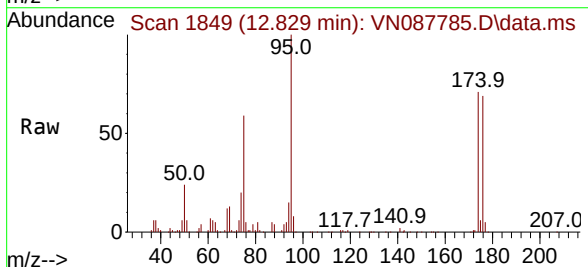
Tgt Ion: 95 Resp: 202783

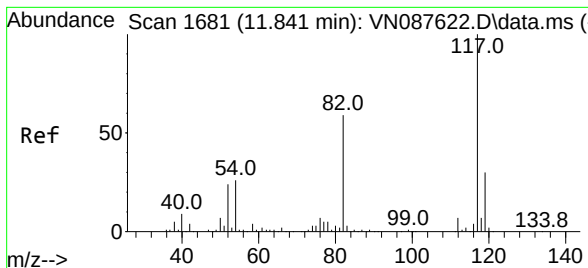
Ion Ratio Lower Upper

95 100

174 72.5 0.0 138.4

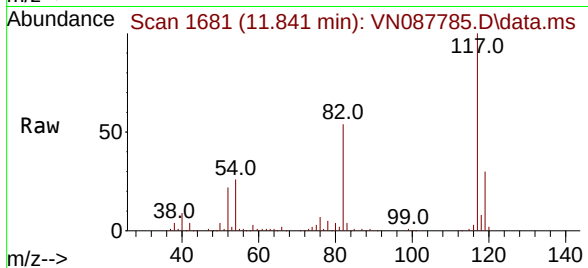
176 70.2 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

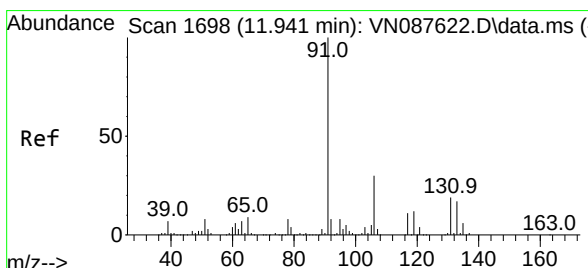
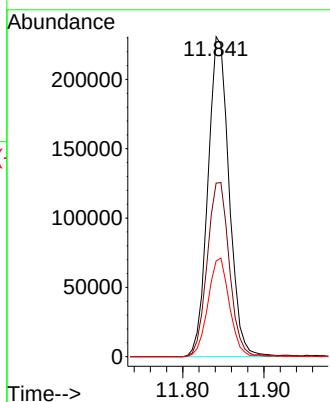
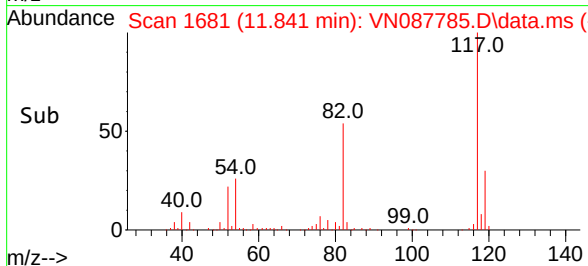
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL



Tgt Ion:117 Resp: 41834
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 29.9 24.3 36.5

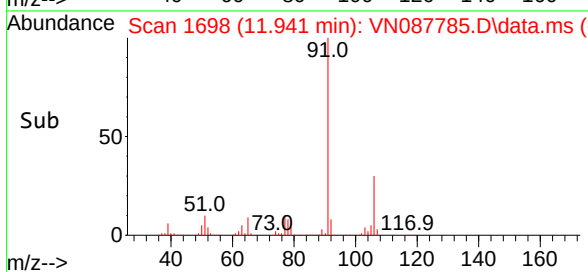
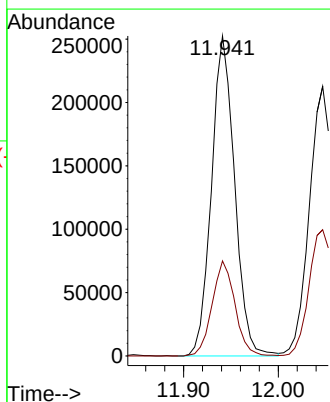
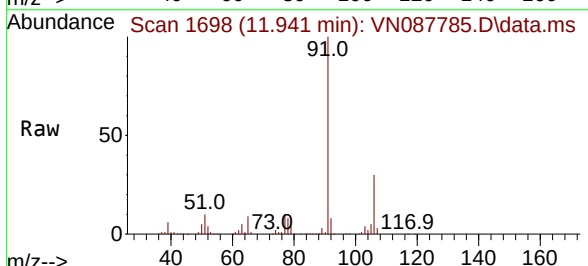
Manual Integrations
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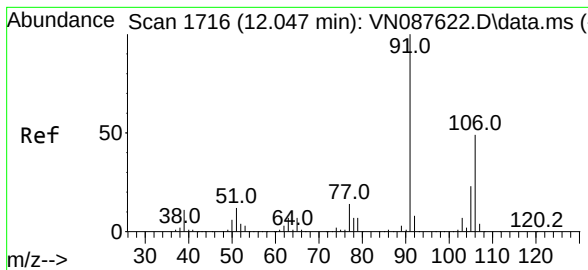
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#67
Ethyl Benzene
Concen: 23.824 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

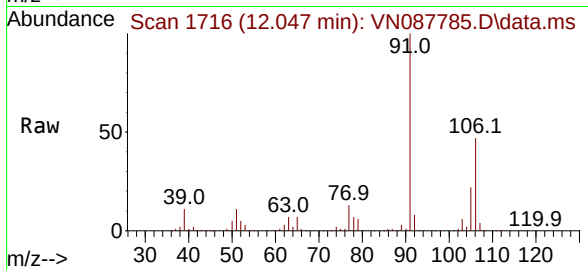
Tgt Ion: 91 Resp: 429316
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1





#68
m/p-Xylenes
Concen: 29.393 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

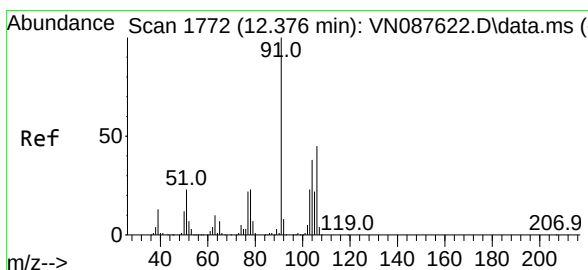
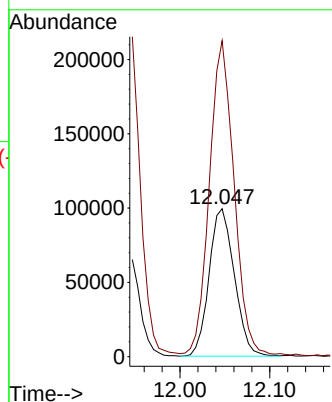
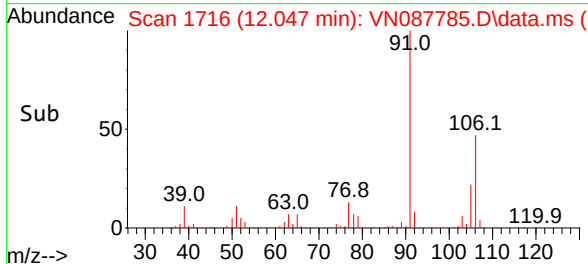
Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL



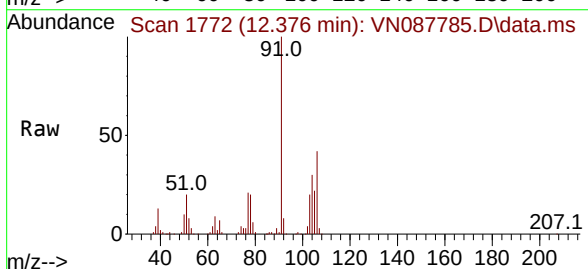
Tgt Ion:106 Resp: 19425
Ion Ratio Lower Upper
106 100
91 210.2 169.3 253.9

Manual Integrations
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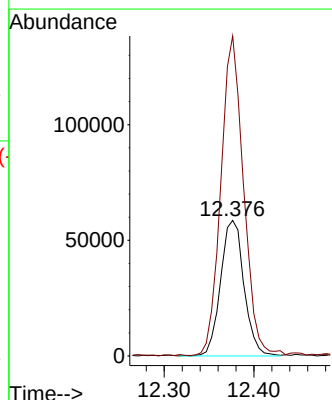
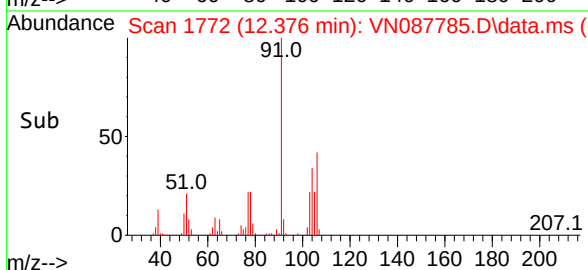
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

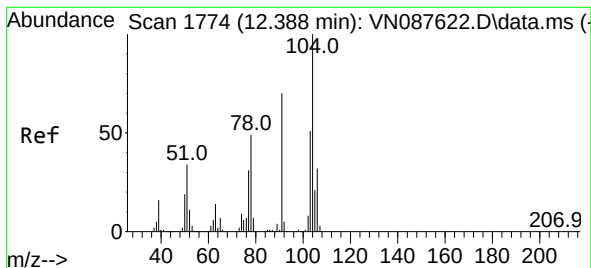


#69
o-Xylene
Concen: 16.398 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50



Tgt Ion:106 Resp: 106200
Ion Ratio Lower Upper
106 100
91 228.2 111.4 334.2





#70

Styrene

Concen: 15.321 ug/l

RT: 12.388 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087785.D

Acq: 10 Sep 2025 16:50

Instrument :

MSVOA_N

ClientSampleId :

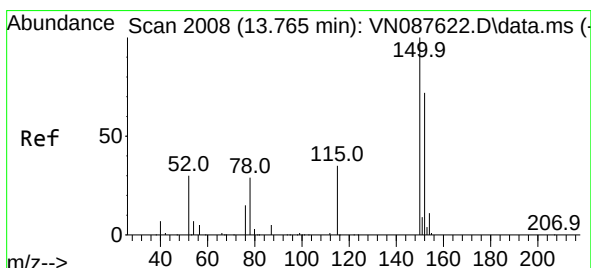
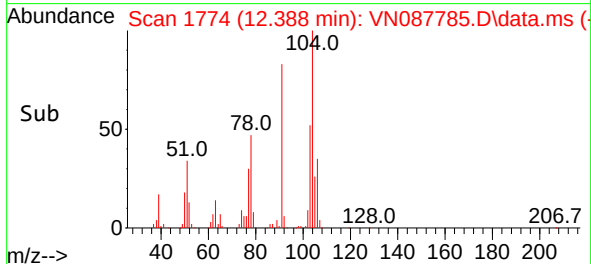
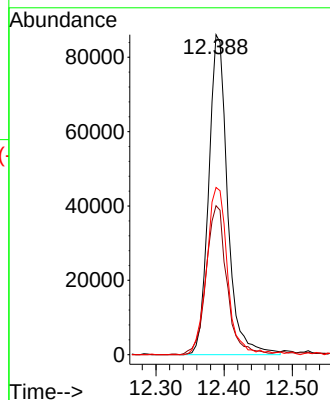
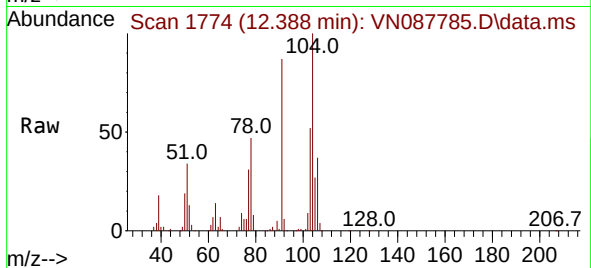
DNAPL-OILDL

Tgt Ion:104	Resp: 166238
Ion Ratio	Lower Upper
104 100	
78 51.2	42.2 63.2
103 58.0	43.4 65.2

Manual Integrations

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Supervised By :Mahesh Dadoda 09/11/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

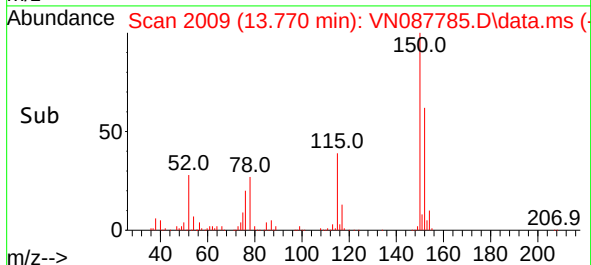
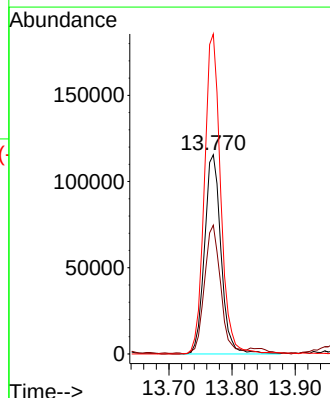
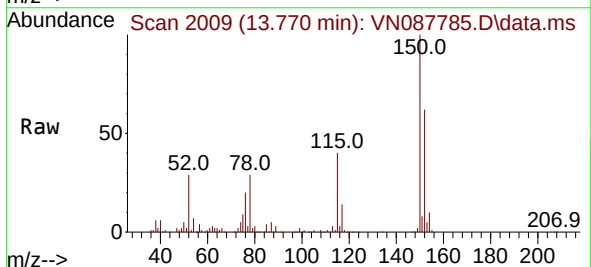
RT: 13.770 min Scan# 2009

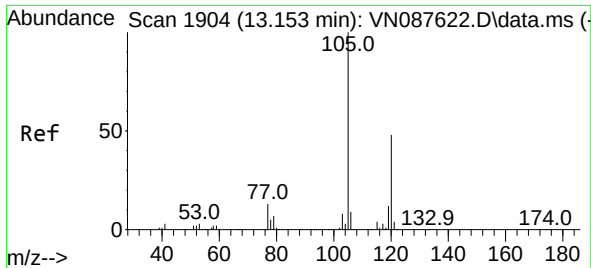
Delta R.T. 0.006 min

Lab File: VN087785.D

Acq: 10 Sep 2025 16:50

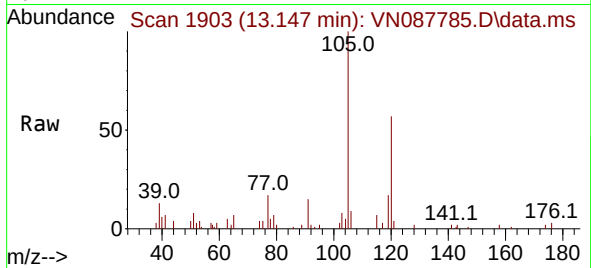
Tgt Ion:152	Resp: 209155
Ion Ratio	Lower Upper
152 100	
115 63.7	32.3 96.8
150 158.9	0.0 351.0





#80
 1,3,5-Trimethylbenzene
 Concen: 1.574 ug/l m
 RT: 13.147 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VN087785.D
 Acq: 10 Sep 2025 16:50

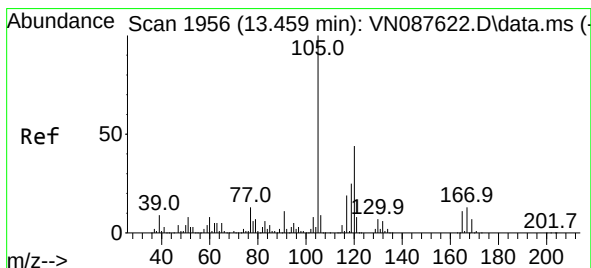
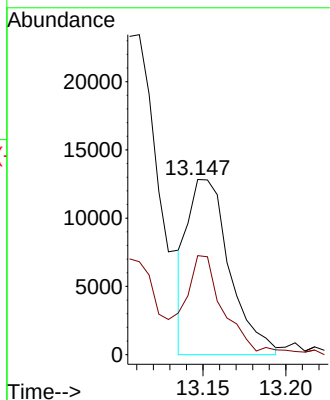
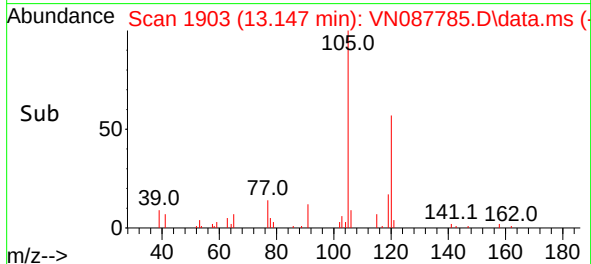
Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPL-OILDL



Tgt Ion:105 Resp: 22570
 Ion Ratio Lower Upper
 105 100
 120 53.2 23.2 69.6

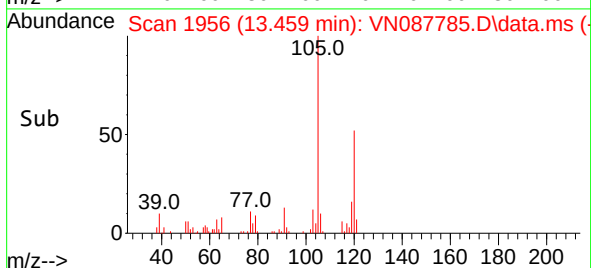
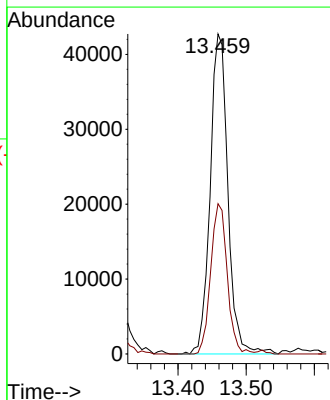
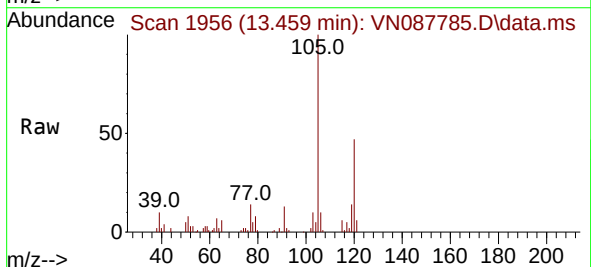
Manual Integrations
 APPROVED

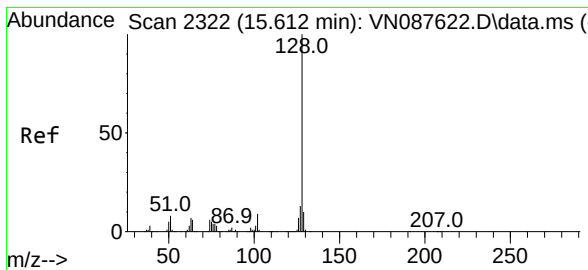
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#84
 1,2,4-Trimethylbenzene
 Concen: 5.385 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087785.D
 Acq: 10 Sep 2025 16:50

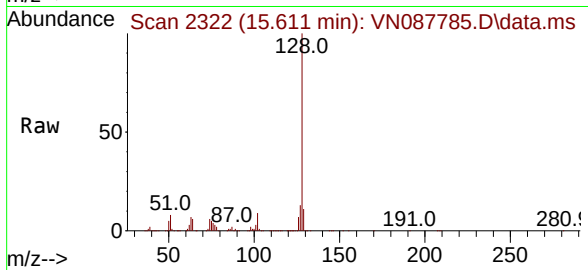
Tgt Ion:105 Resp: 77284
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.0 66.0





#95
Naphthalene
Concen: 179.426 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087785.D
Acq: 10 Sep 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
DNAPL-OILDL



Tgt Ion:128 Resp: 2841260
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

