

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087779.D
 Acq On : 10 Sep 2025 14:24
 Operator : JC\MD
 Sample : Q3045-06 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPL

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 02:04:12 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	184998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	438572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	416194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	222190	58.619	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.240%			
35) Dibromofluoromethane	8.147	113	155382	49.071	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.140%			
50) Toluene-d8	10.547	98	553905	46.737	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.480%			
62) 4-Bromofluorobenzene	12.829	95	216020	51.253	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.500%			
Target Compounds					Qvalue	
16) Acetone	4.418	43	254236	123.214	ug/l	98
25) 2-Butanone	7.471	43	284586	104.834	ug/l	96
40) Benzene	8.571	78	30940668m	2076.623	ug/l	
52) Toluene	10.606	92	18530699	2006.171	ug/l #	1
67) Ethyl Benzene	11.941	91	7753526	432.491	ug/l	99
68) m/p-Xylenes	12.047	106	3828449	582.288	ug/l	98
69) o-Xylene	12.376	106	2044887	317.365	ug/l	99
70) Styrene	12.388	104	3512347	325.376	ug/l	99
73) Isopropylbenzene	12.671	105	151112	8.458	ug/l	100
78) n-propylbenzene	13.012	91	127256	5.783	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	419013	27.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	1495296	98.558	ug/l	98
86) p-Isopropyltoluene	13.706	119	40166	2.595	ug/l #	74
95) Naphthalene	15.600	128	25804638m	1541.592	ug/l	

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

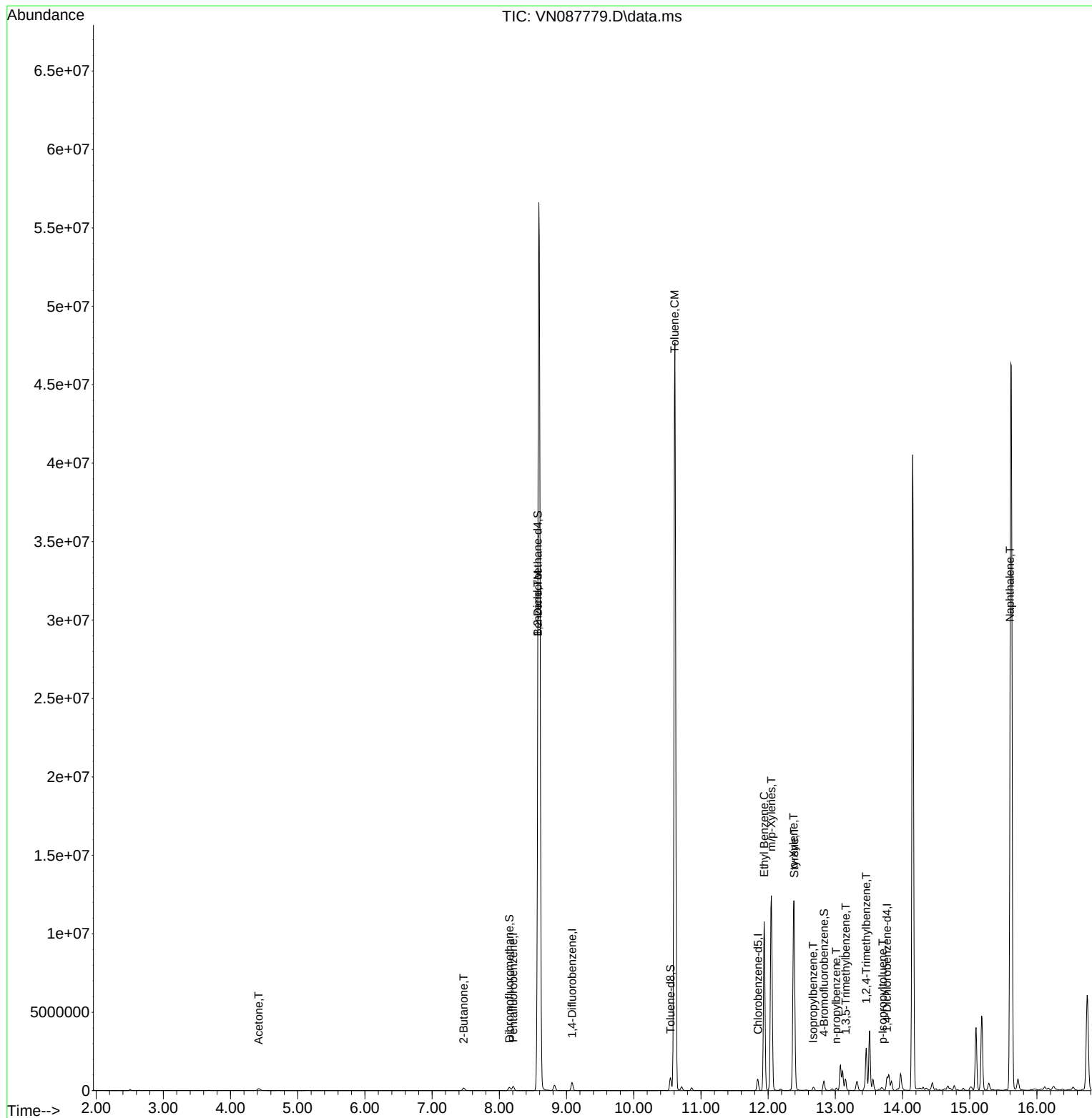
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087779.D
Acq On : 10 Sep 2025 14:24
Operator : JC\MD
Sample : Q3045-06 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

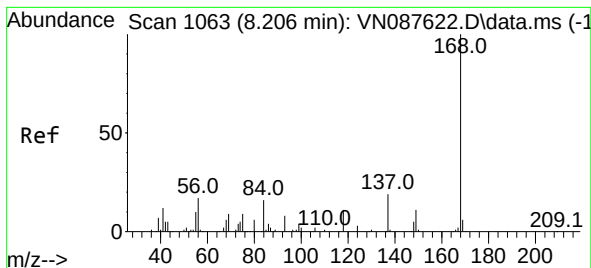
Instrument :
MSVOA_N
ClientSampleId :
DNAPL

Manual Integrations
APPROVED

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

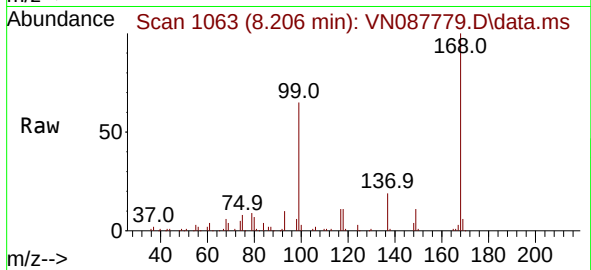
Quant Time: Sep 11 02:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

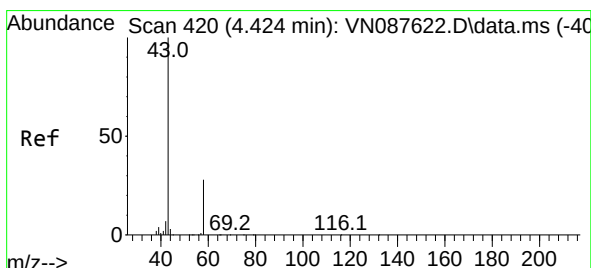
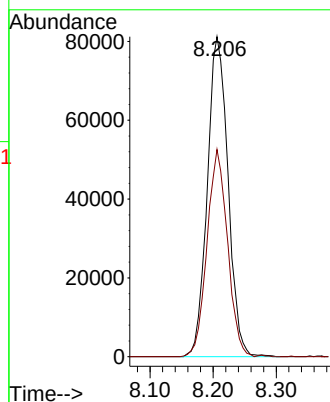
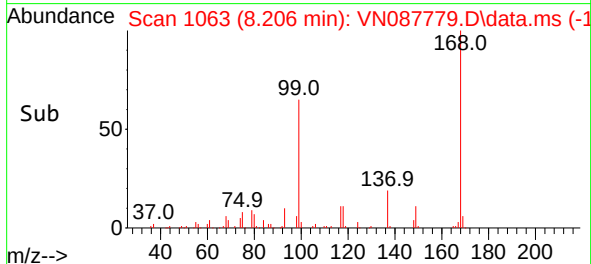
Instrument :
MSVOA_N
ClientSampleId :
DNAPL



Tgt Ion:168 Resp: 184998
Ion Ratio Lower Upper
168 100
99 64.7 57.2 85.8

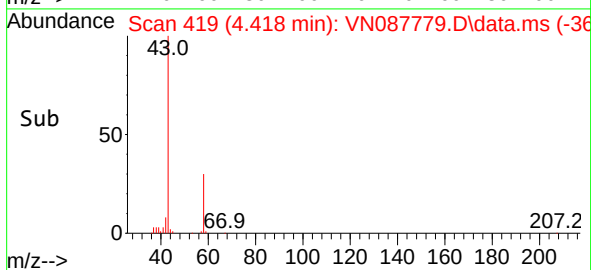
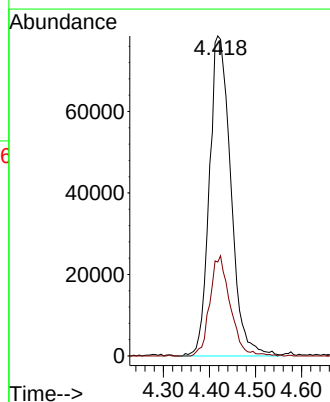
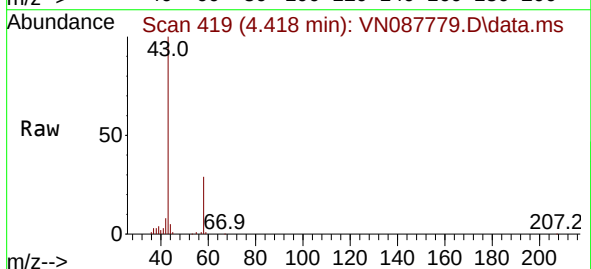
Manual Integrations
APPROVED

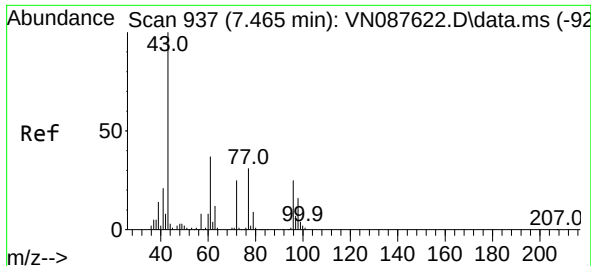
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#16
Acetone
Concen: 123.214 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

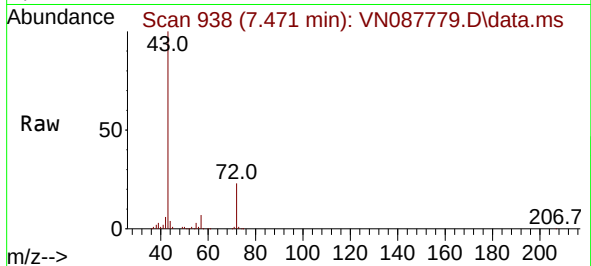
Tgt Ion: 43 Resp: 254236
Ion Ratio Lower Upper
43 100
58 29.4 22.6 33.8





#25
2-Butanone
Concen: 104.834 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

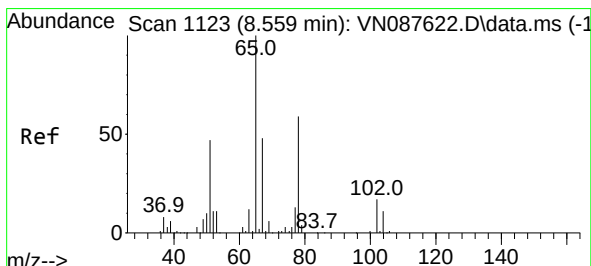
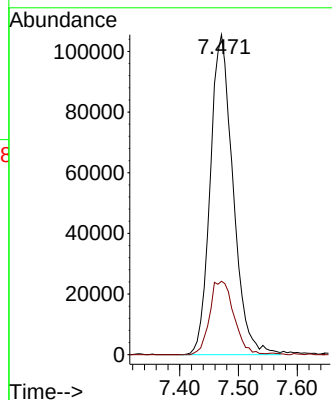
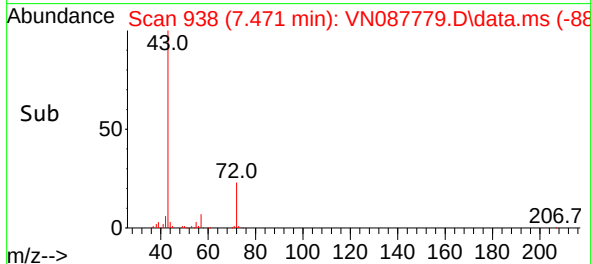
Instrument :
MSVOA_N
ClientSampleId :
DNAPL



Tgt Ion: 43 Resp: 284586
Ion Ratio Lower Upper
43 100
72 23.0 19.9 29.9

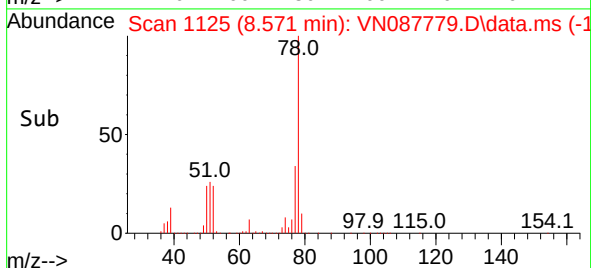
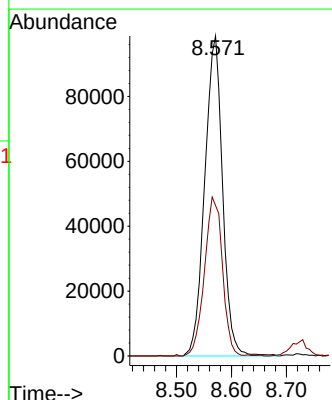
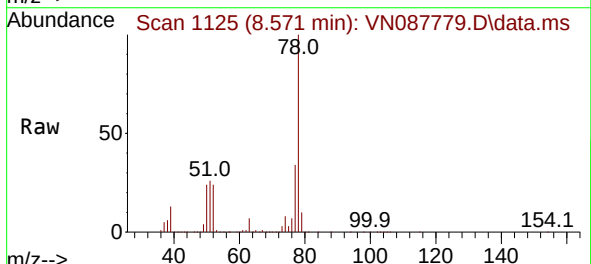
Manual Integrations
APPROVED

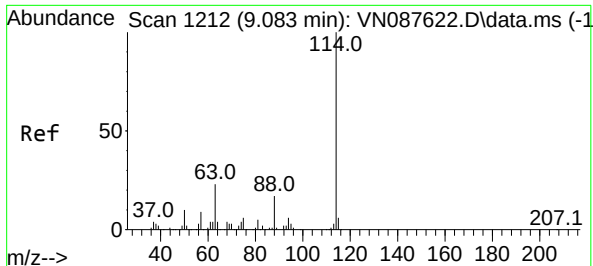
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#33
1,2-Dichloroethane-d4
Concen: 58.619 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.012 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

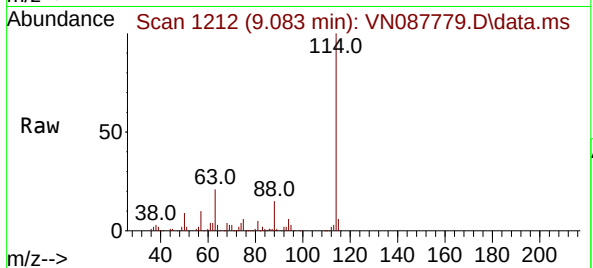
Tgt Ion: 65 Resp: 222190
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

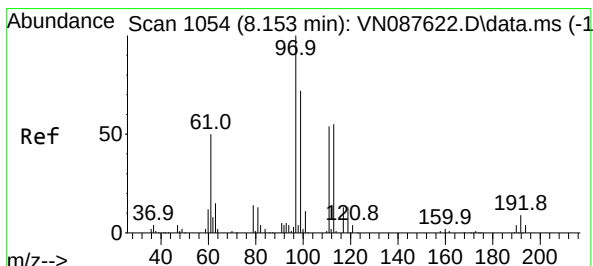
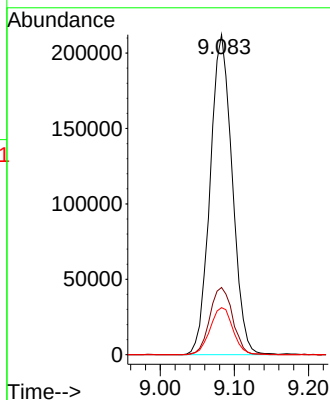
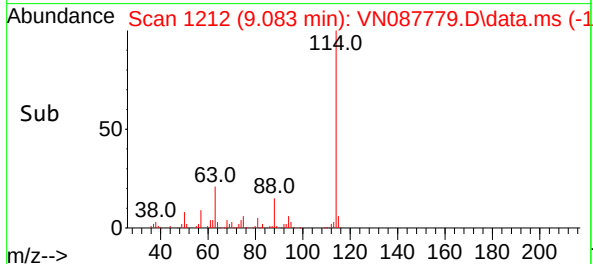
Instrument :
MSVOA_N
ClientSampleId :
DNAPL



Tgt Ion:114 Resp: 438572
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.2
88 14.7 0.0 33.4

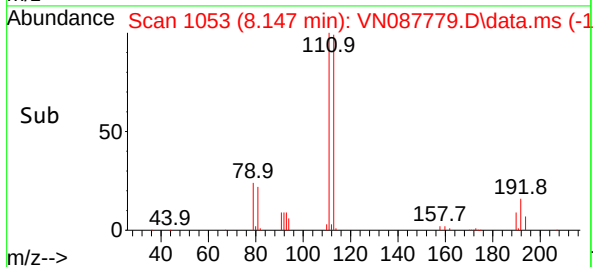
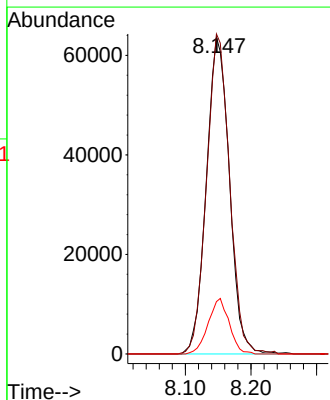
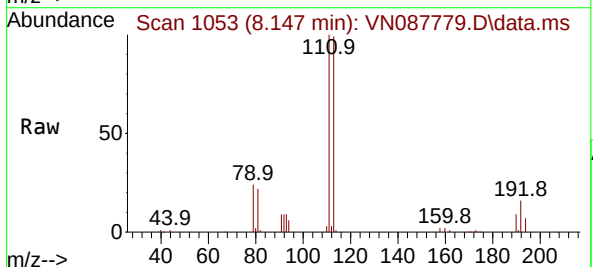
Manual Integrations
APPROVED

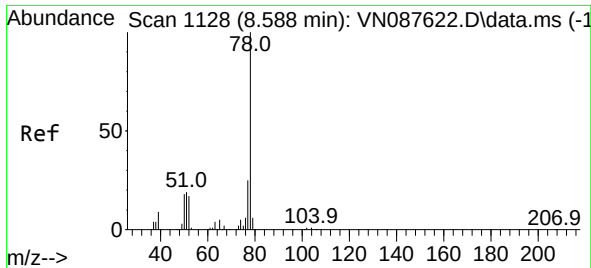
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#35
Dibromofluoromethane
Concen: 49.071 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

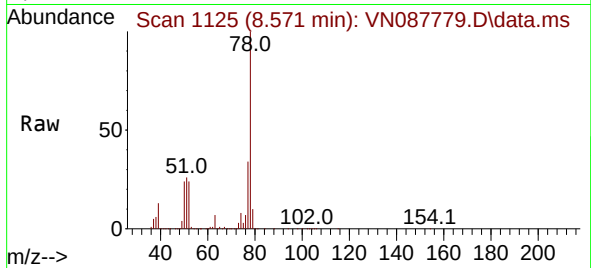
Tgt Ion:113 Resp: 155382
Ion Ratio Lower Upper
113 100
111 100.8 82.8 124.2
192 16.0 12.8 19.2





#40
Benzene
Concen: 2076.623 ug/l m
RT: 8.571 min Scan# 1125
Delta R.T. -0.018 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

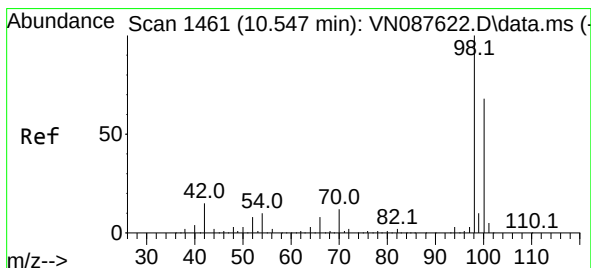
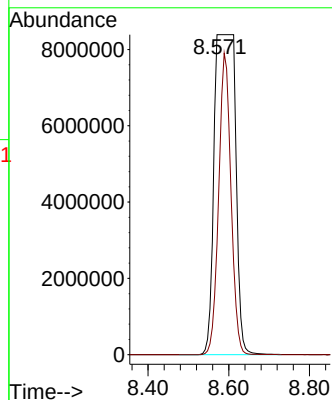
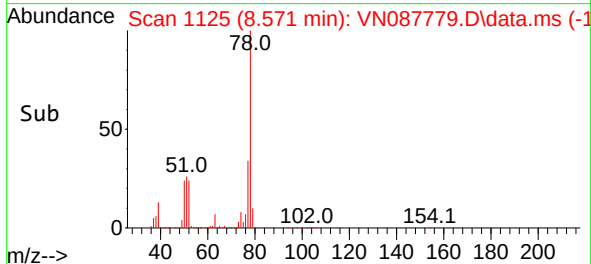
Instrument :
MSVOA_N
ClientSampleId :
DNAPL



Tgt Ion: 78 Resp: 3094066
Ion Ratio Lower Upper
78 100
77 34.5 19.7 29.5

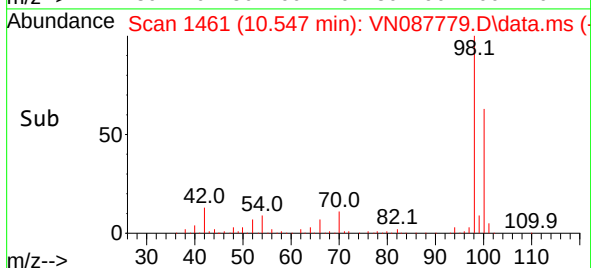
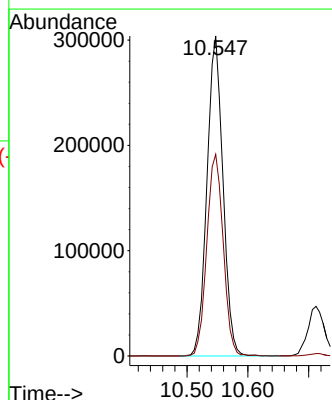
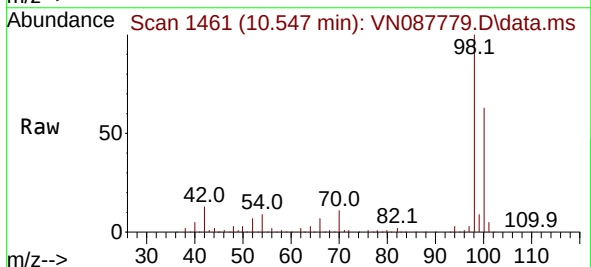
Manual Integrations
APPROVED

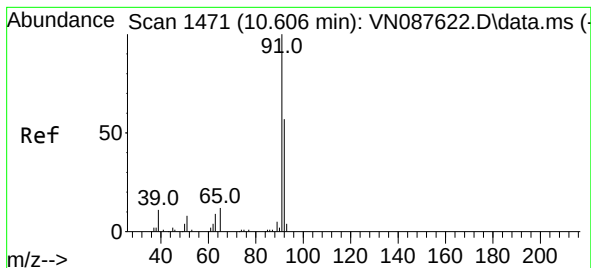
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#50
Toluene-d8
Concen: 46.737 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

Tgt Ion: 98 Resp: 553905
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2





#52

Toluene

Concen: 2006.171 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VN087779.D

Acq: 10 Sep 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

DNAPL

Tgt Ion: 92 Resp:1853069

Ion Ratio Lower Upper

92 100

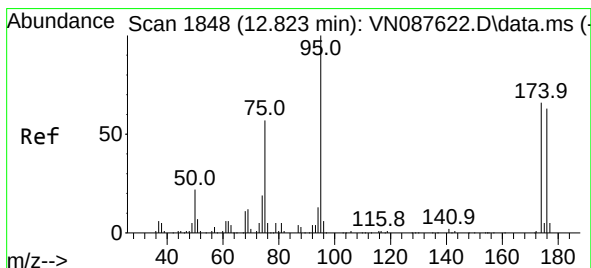
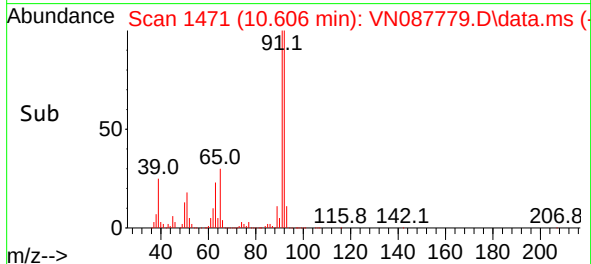
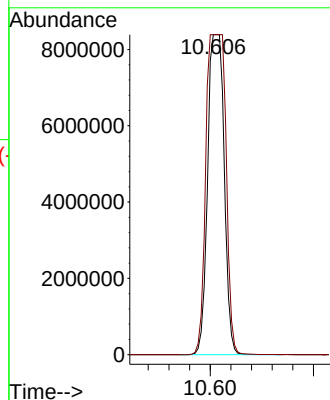
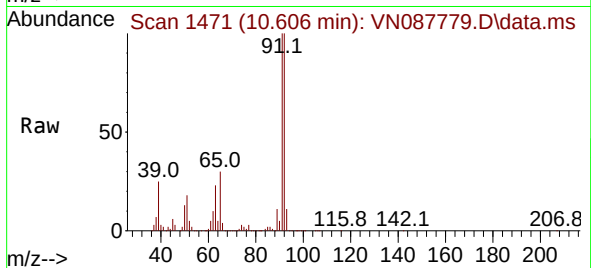
91 0.0 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#62

4-Bromofluorobenzene

Concen: 51.253 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN087779.D

Acq: 10 Sep 2025 14:24

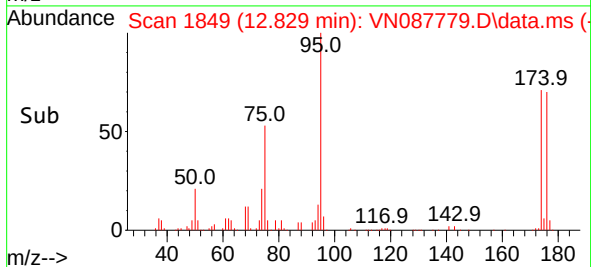
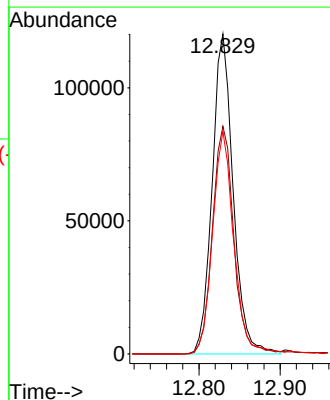
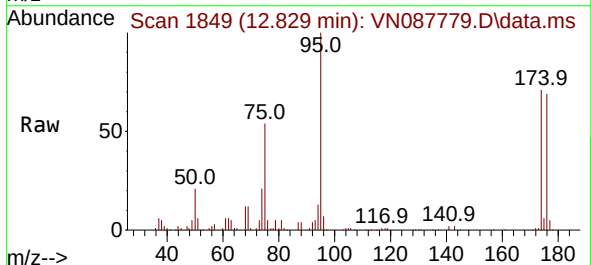
Tgt Ion: 95 Resp: 216020

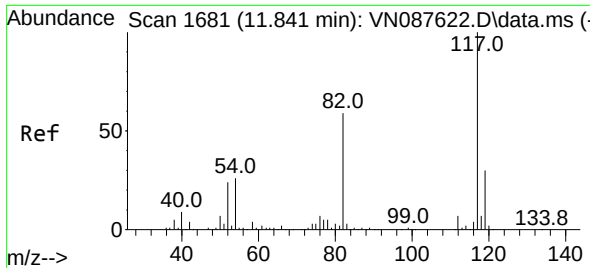
Ion Ratio Lower Upper

95 100

174 73.4 0.0 138.4

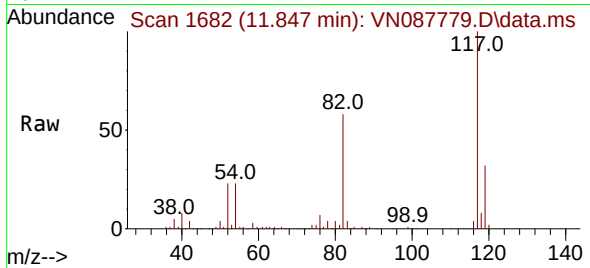
176 70.2 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

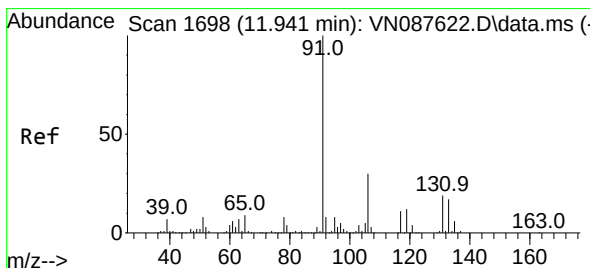
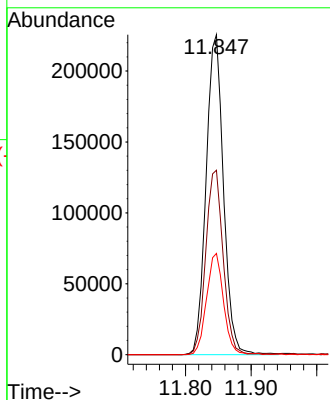
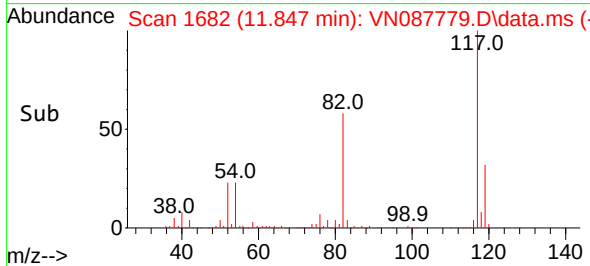
Instrument :
MSVOA_N
ClientSampleId :
DNAPL



Tgt Ion:117 Resp: 416194
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.6 24.3 36.5

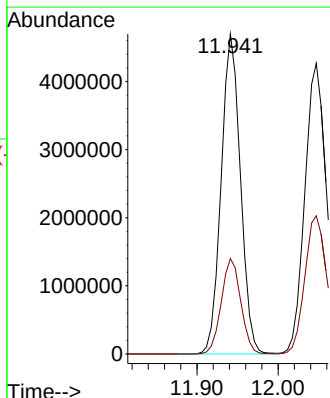
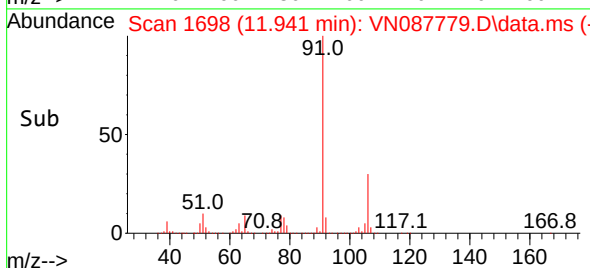
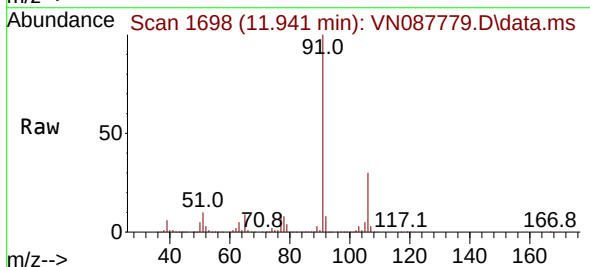
Manual Integrations
APPROVED

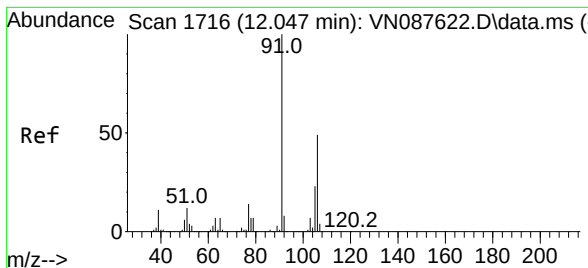
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#67
Ethyl Benzene
Concen: 432.491 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

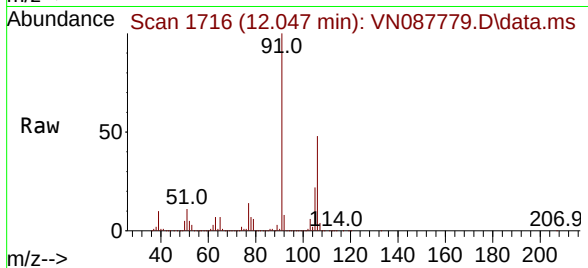
Tgt Ion: 91 Resp: 7753526
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1





#68
m/p-Xylenes
Concen: 582.288 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24

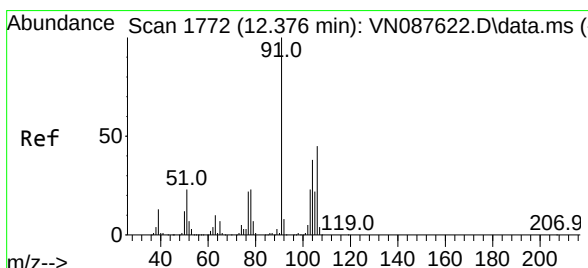
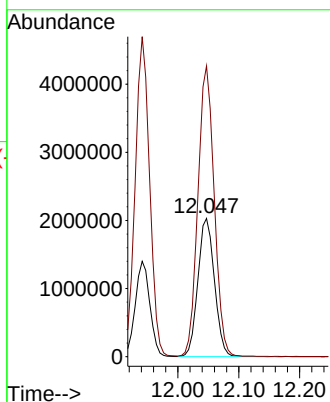
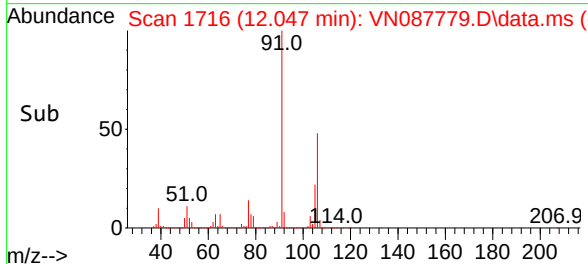
Instrument :
MSVOA_N
ClientSampleId :
DNAPL



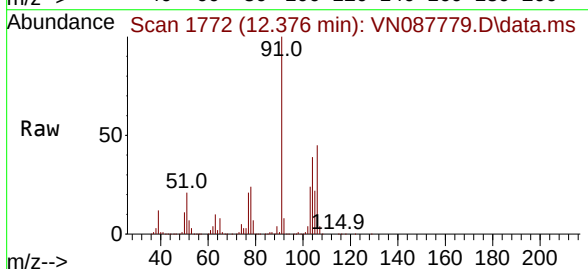
Tgt Ion:106 Resp: 3828449
Ion Ratio Lower Upper
106 100
91 207.9 169.3 253.9

Manual Integrations
APPROVED

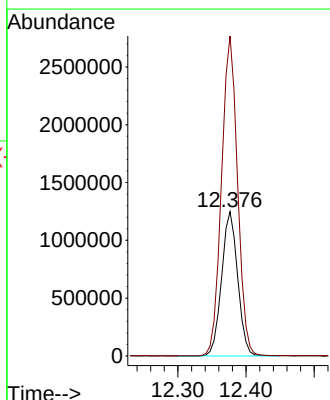
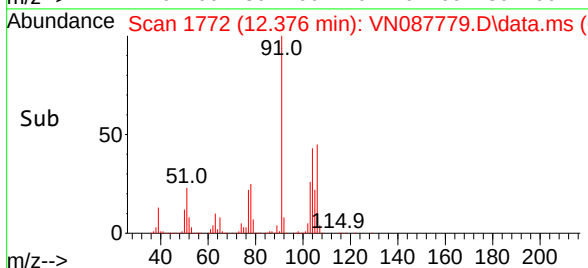
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

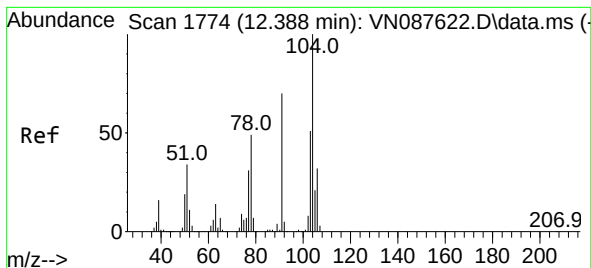


#69
o-Xylene
Concen: 317.365 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087779.D
Acq: 10 Sep 2025 14:24



Tgt Ion:106 Resp: 2044887
Ion Ratio Lower Upper
106 100
91 221.4 111.4 334.2





#70

Styrene

Concen: 325.376 ug/l

RT: 12.388 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087779.D

Acq: 10 Sep 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

DNAPL

Tgt Ion:104 Resp: 351234

Ion Ratio Lower Upper

104 100

78 51.6 42.2 63.2

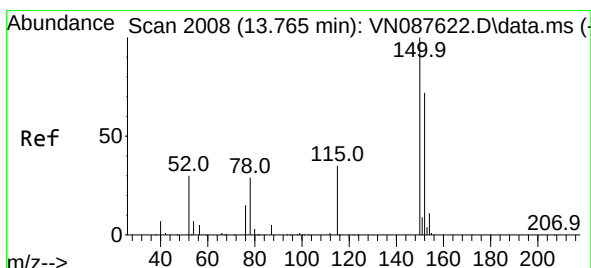
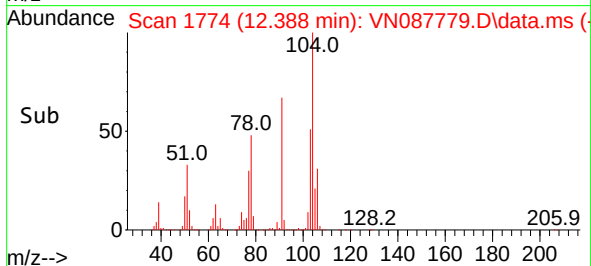
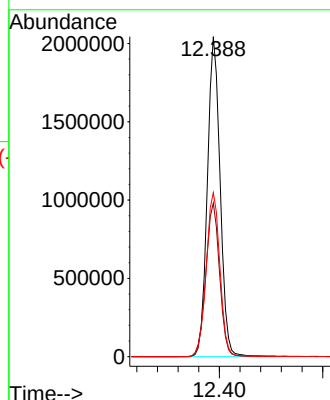
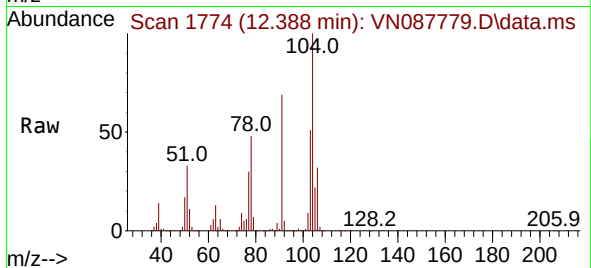
103 54.9 43.4 65.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

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: VN087779.D

Acq: 10 Sep 2025 14:24

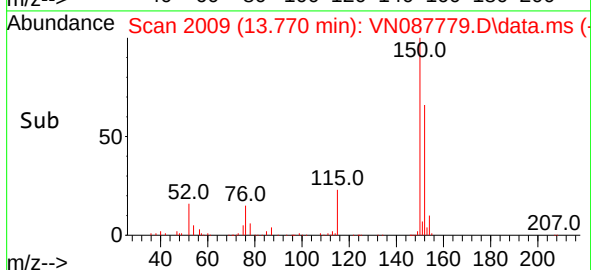
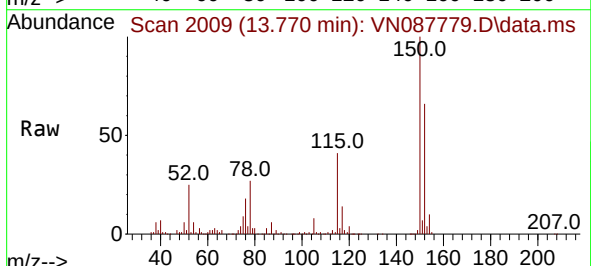
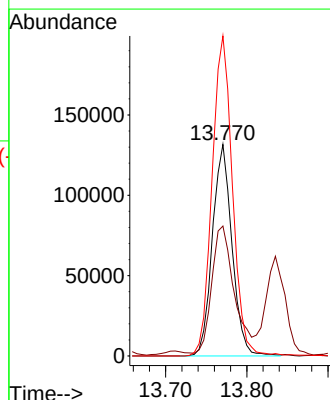
Tgt Ion:152 Resp: 221091

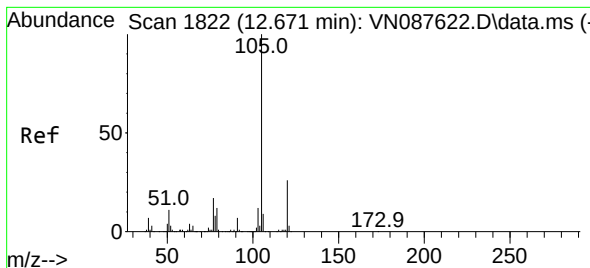
Ion Ratio Lower Upper

152 100

115 68.3 32.3 96.8

150 157.6 0.0 351.0





#73

Isopropylbenzene

Concen: 8.458 ug/l

RT: 12.671 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VN087779.D

Acq: 10 Sep 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

DNAPL

Tgt Ion:105 Resp: 15111

Ion Ratio Lower Upper

105 100

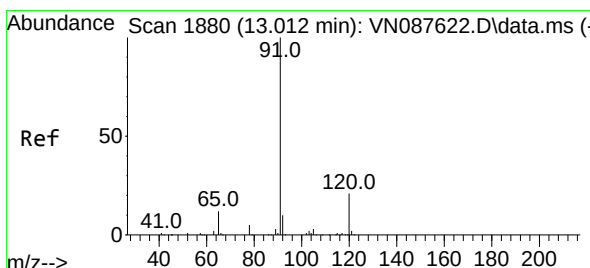
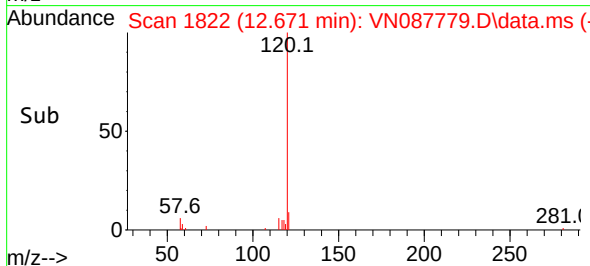
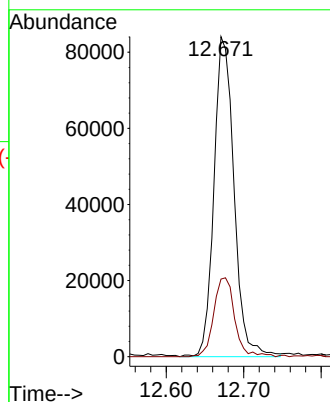
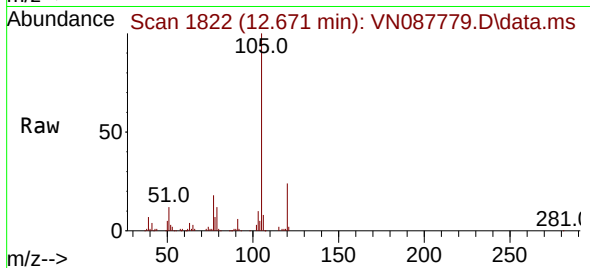
120 25.7 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#78

n-propylbenzene

Concen: 5.783 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN087779.D

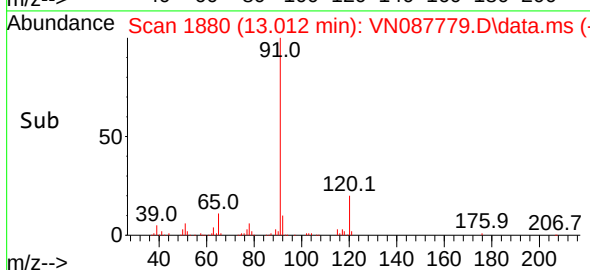
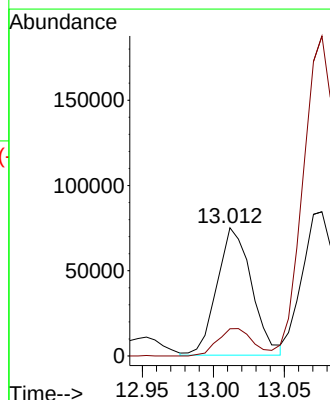
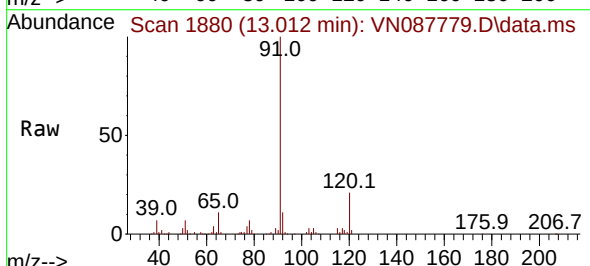
Acq: 10 Sep 2025 14:24

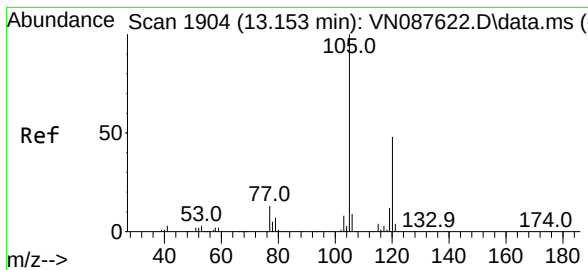
Tgt Ion: 91 Resp: 127256

Ion Ratio Lower Upper

91 100

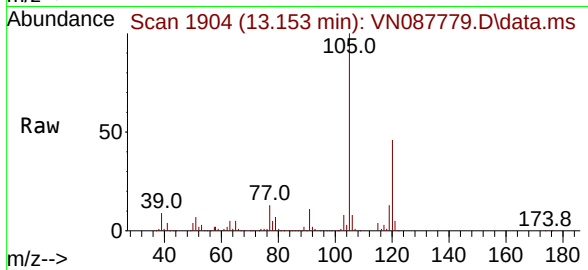
120 22.1 10.7 32.1





#80
 1,3,5-Trimethylbenzene
 Concen: 27.647 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VN087779.D
 Acq: 10 Sep 2025 14:24

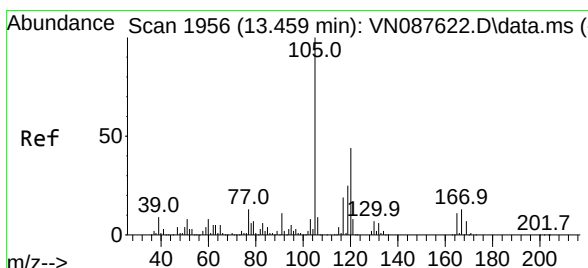
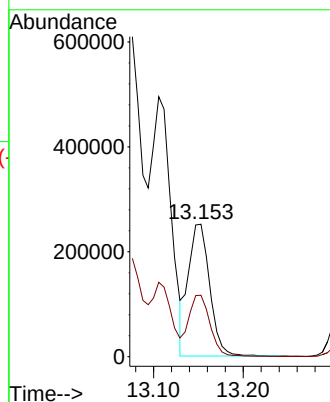
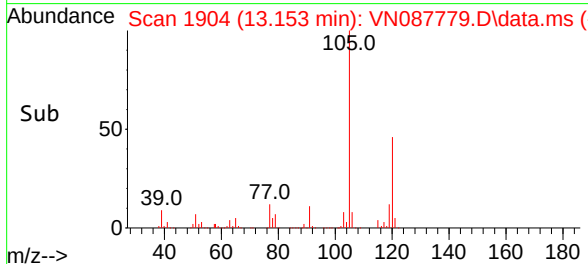
Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPL



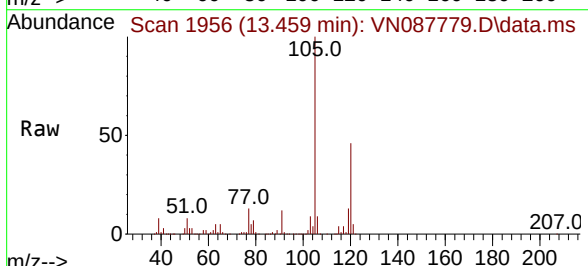
Tgt Ion:105 Resp: 419011
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.2 69.6

Manual Integrations
 APPROVED

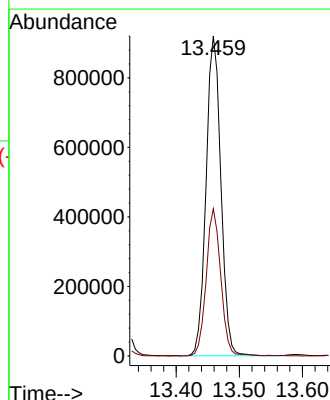
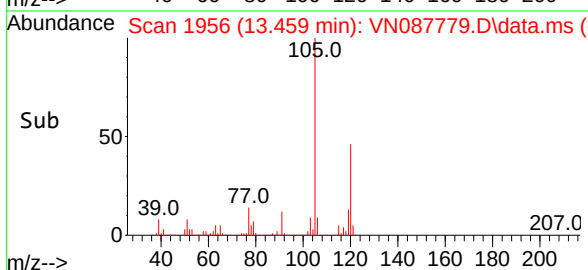
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

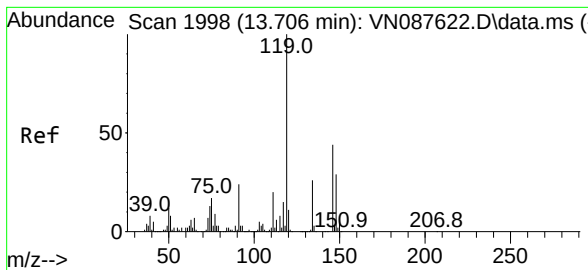


#84
 1,2,4-Trimethylbenzene
 Concen: 98.558 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087779.D
 Acq: 10 Sep 2025 14:24



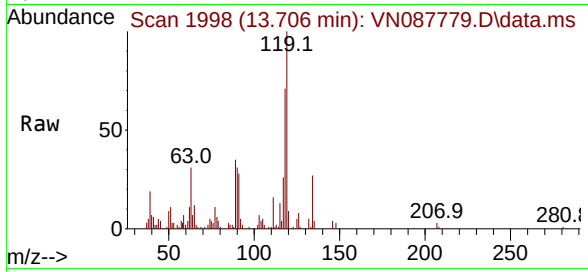
Tgt Ion:105 Resp: 1495296
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.0 66.0





#86
 p-Isopropyltoluene
 Concen: 2.595 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087779.D
 Acq: 10 Sep 2025 14:24

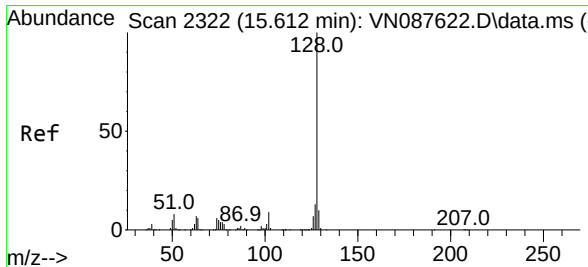
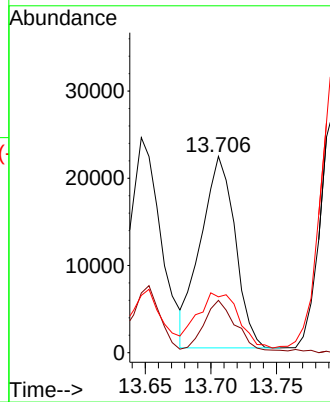
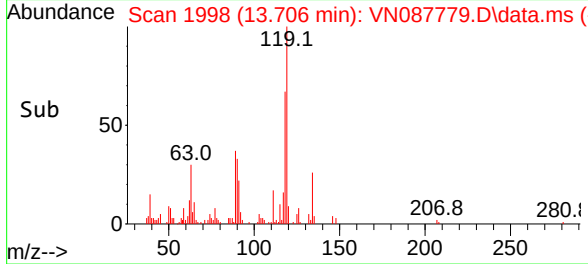
Instrument :
 MSVOA_N
 ClientSampleId :
 DNAPL



Tgt Ion:119 Resp: 40160
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.7 38.0
 91 0.0 12.5 37.5

Manual Integrations
 APPROVED

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



#95
 Naphthalene
 Concen: 1541.592 ug/l m
 RT: 15.600 min Scan# 2320
 Delta R.T. -0.012 min
 Lab File: VN087779.D
 Acq: 10 Sep 2025 14:24

Tgt Ion:128 Resp:25804638
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#

