

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088027.D
 Acq On : 03 Oct 2025 16:37
 Operator : JC\MD
 Sample : Q3274-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 03:00:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	193443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	426224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	419833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	205320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	175119	53.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.580%			
35) Dibromofluoromethane	8.147	113	146268	47.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.540%			
50) Toluene-d8	10.547	98	538729	49.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.829	95	197115	50.673	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.340%			
Target Compounds						
					Qvalue	
31) Cyclohexane	8.235	56	68367	18.728	ug/l #	92
39) Methylcyclohexane	9.576	83	185418	45.169	ug/l	97
40) Benzene	8.594	78	6634	0.538	ug/l #	84
67) Ethyl Benzene	11.947	91	23183	1.555	ug/l	98
73) Isopropylbenzene	12.676	105	31633	2.486	ug/l	98
78) n-propylbenzene	13.017	91	122920	7.726	ug/l	99
85) sec-Butylbenzene	13.594	105	24672	1.806	ug/l #	73
89) n-Butylbenzene	14.035	91	31409m	2.873	ug/l	

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

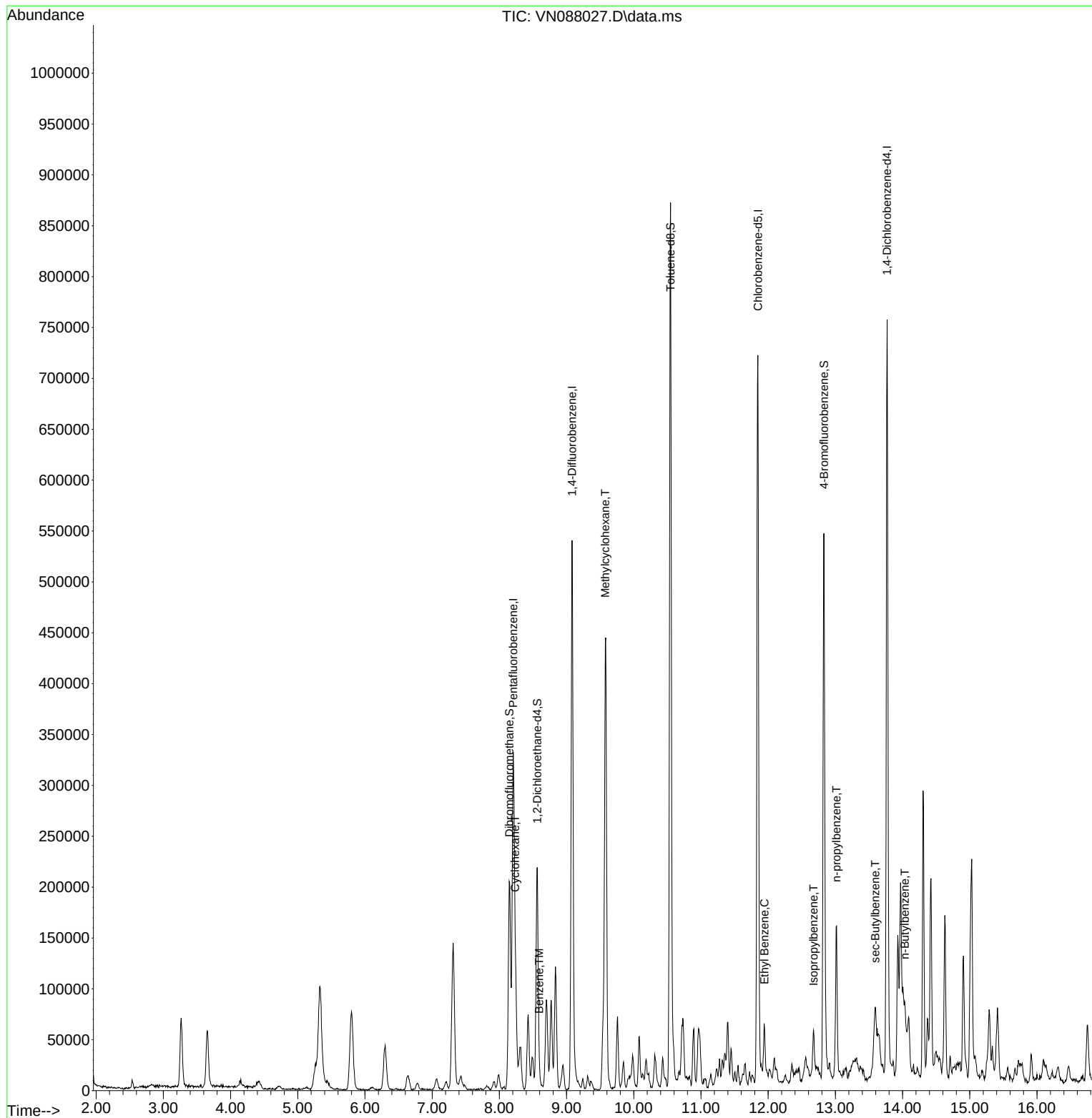
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088027.D
Acq On : 03 Oct 2025 16:37
Operator : JC\MD
Sample : Q3274-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

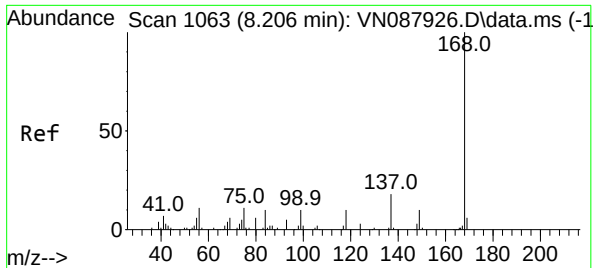
Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Quant Time: Oct 04 03:00:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

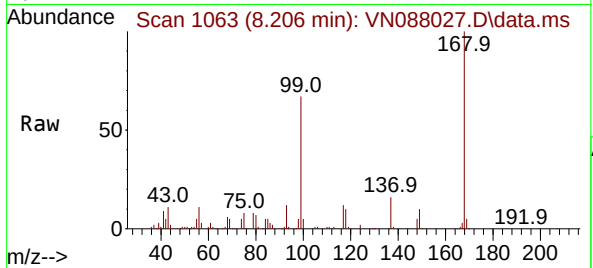
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

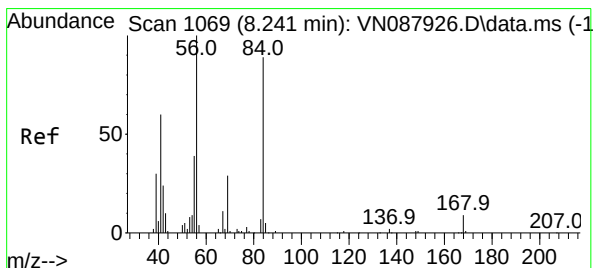
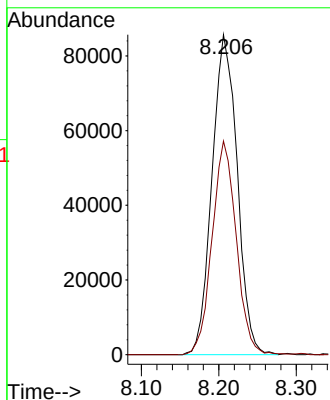
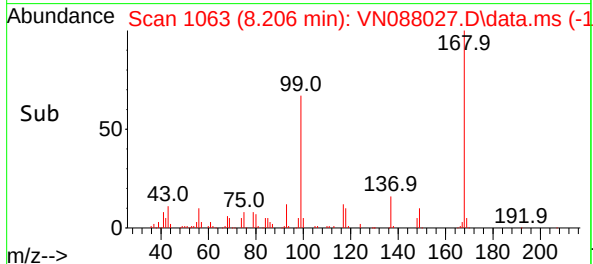
Instrument :
MSVOA_N
ClientSampleId :
MW4DL



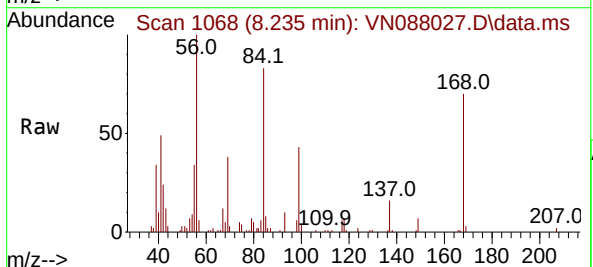
Tgt Ion:168 Resp: 19344
Ion Ratio Lower Upper
168 100
99 66.7 52.2 78.2

Manual Integrations
APPROVED

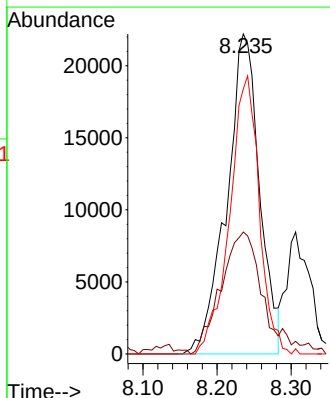
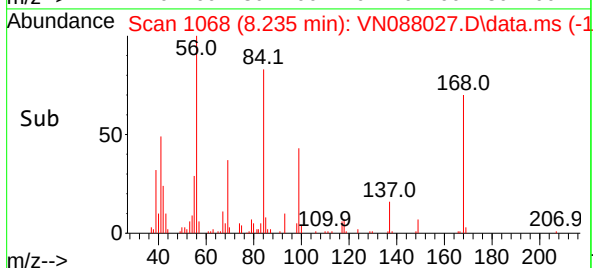
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

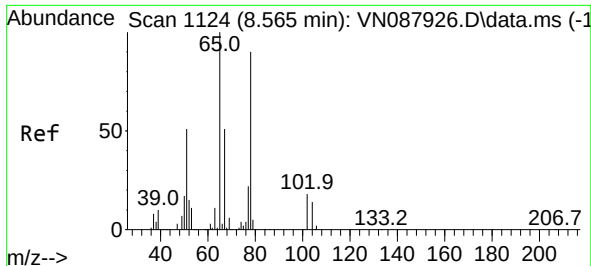


#31
Cyclohexane
Concen: 18.728 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37



Tgt Ion: 56 Resp: 68367
Ion Ratio Lower Upper
56 100
69 36.9 23.4 35.0#
84 82.9 70.8 106.2





#33

1,2-Dichloroethane-d4

Concen: 53.792 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.000 min

Lab File: VN088027.D

Acq: 03 Oct 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :

MW4DL

Tgt Ion: 65 Resp: 175119

Ion Ratio Lower Upper

65 100

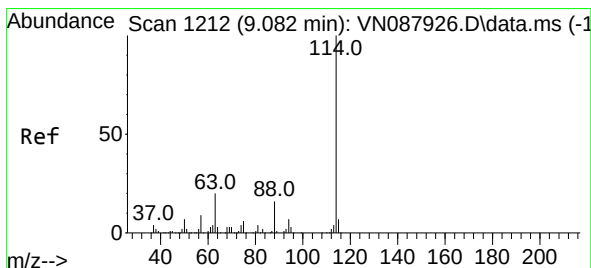
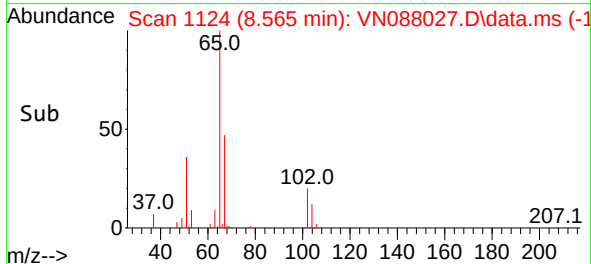
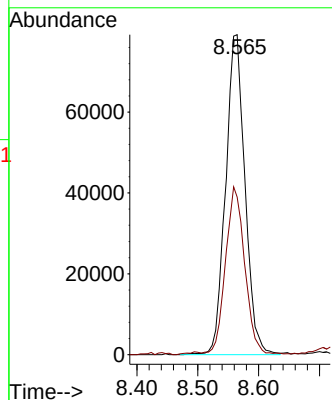
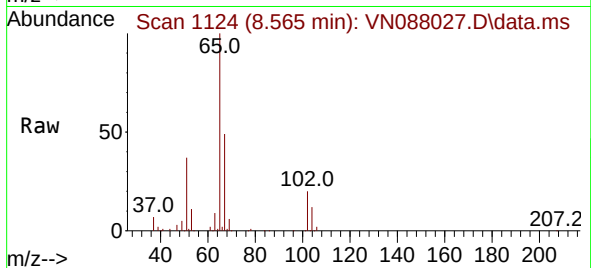
67 51.4 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025

Supervised By :Semsettin Yesilyurt 10/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088027.D

Acq: 03 Oct 2025 16:37

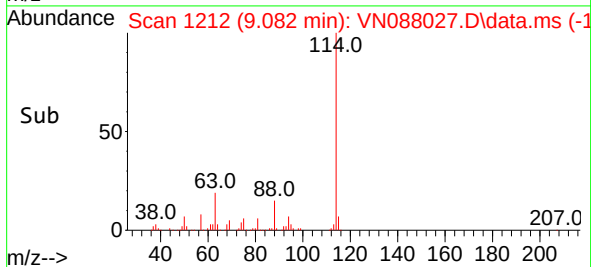
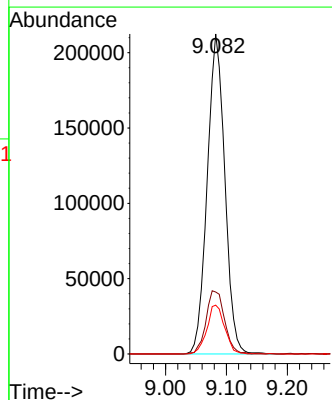
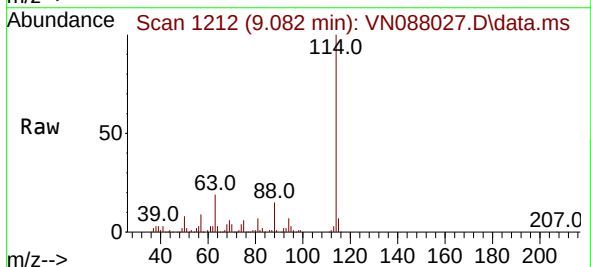
Tgt Ion:114 Resp: 426224

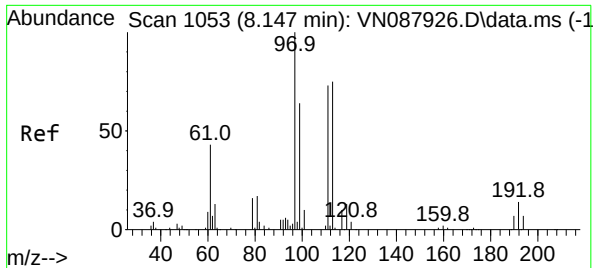
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

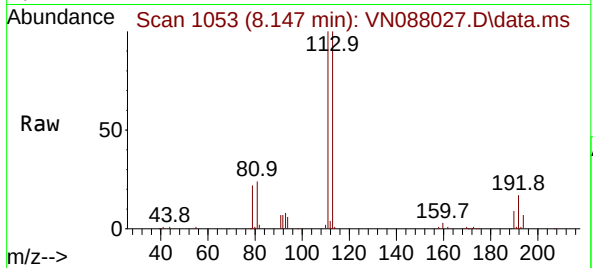
88 15.3 0.0 31.8





#35
Dibromofluoromethane
Concen: 47.265 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

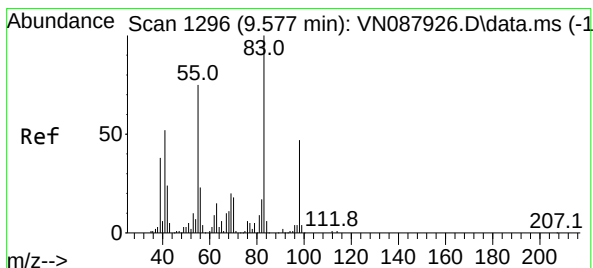
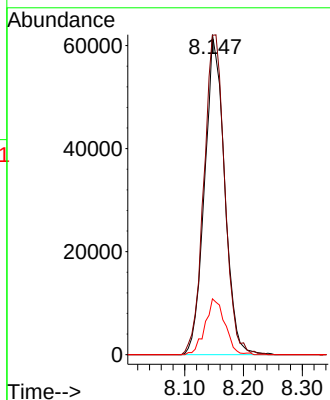
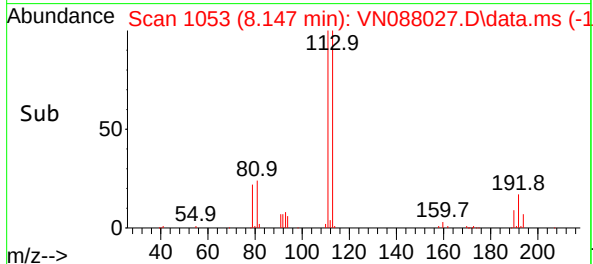
Instrument :
MSVOA_N
ClientSampleId :
MW4DL



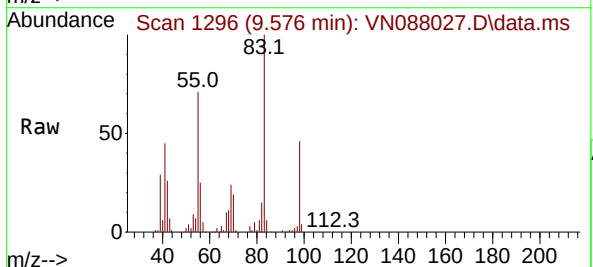
Tgt Ion: 113 Resp: 146268
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 17.4 14.2 21.2

Manual Integrations
APPROVED

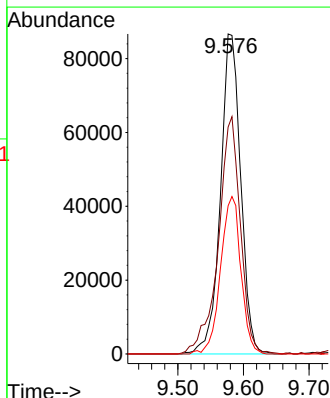
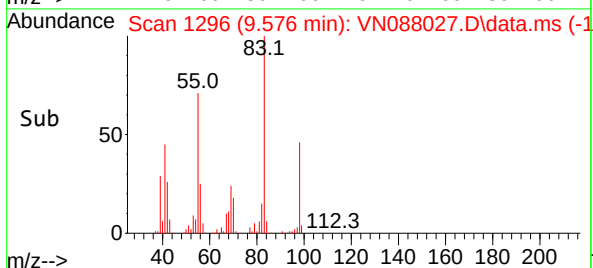
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

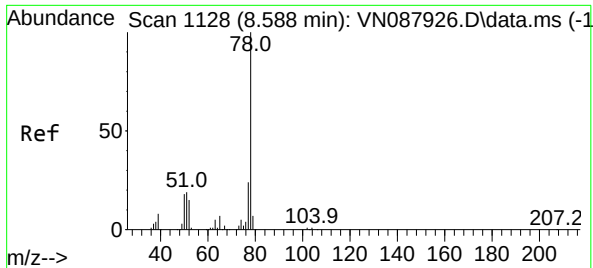


#39
Methylcyclohexane
Concen: 45.169 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37



Tgt Ion: 83 Resp: 185418
Ion Ratio Lower Upper
83 100
55 70.9 59.9 89.9
98 46.3 37.4 56.2





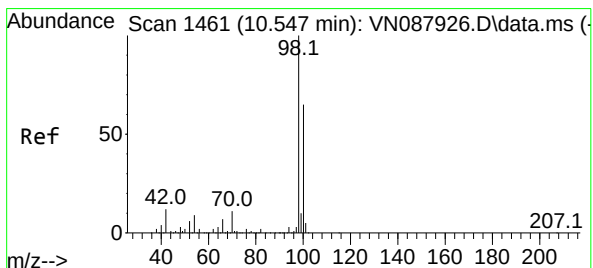
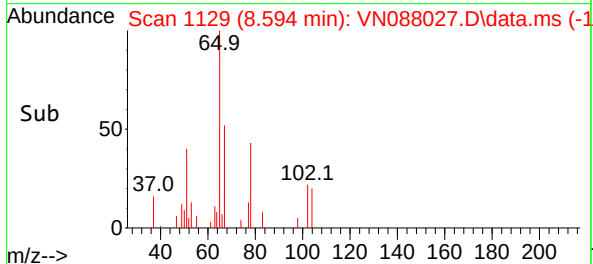
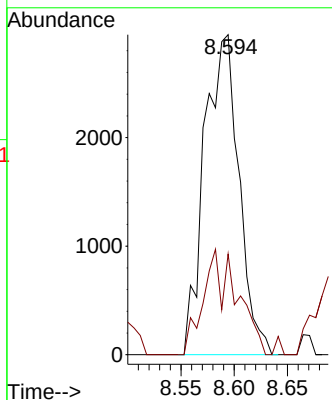
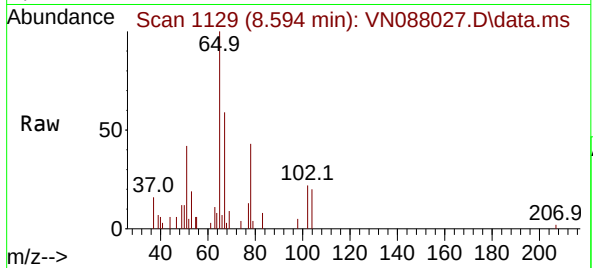
#40
Benzene
Concen: 0.538 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Tgt Ion: 78 Resp: 6634
Ion Ratio Lower Upper
78 100
77 31.4 19.0 28.6

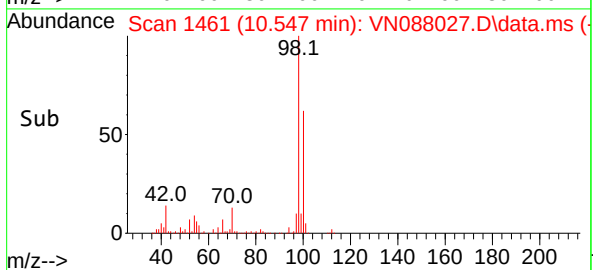
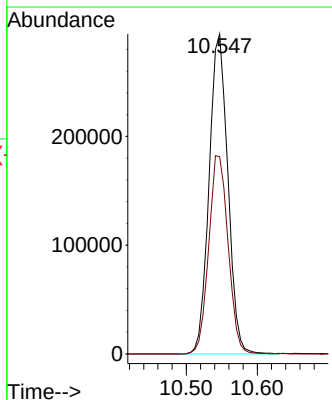
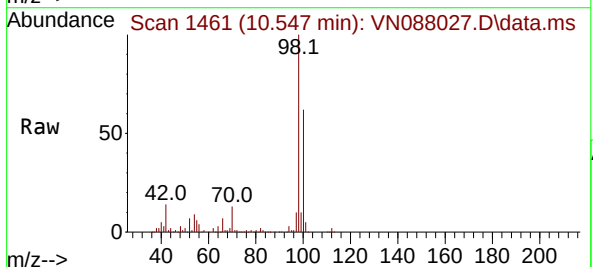
Manual Integrations
APPROVED

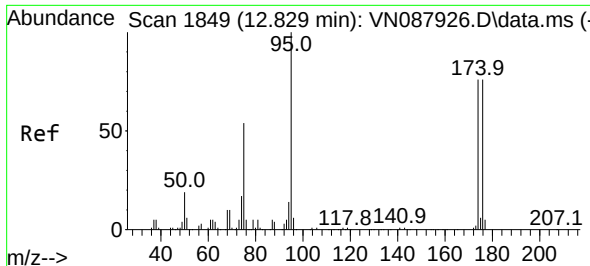
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#50
Toluene-d8
Concen: 49.504 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

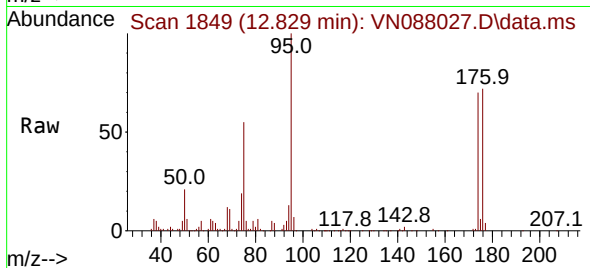
Tgt Ion: 98 Resp: 538729
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5





#62
4-Bromofluorobenzene
Concen: 50.673 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

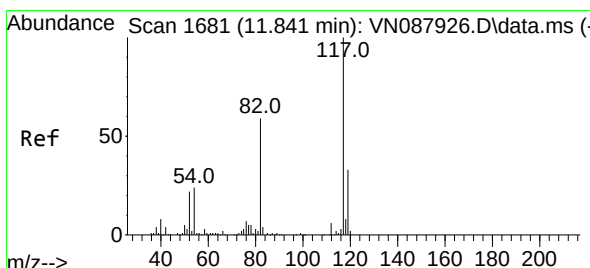
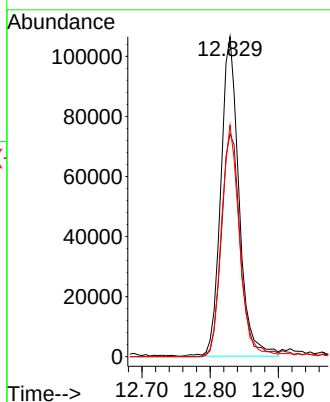
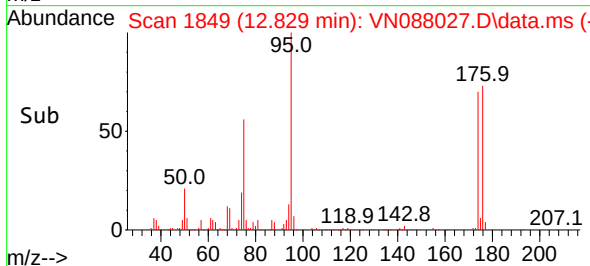
Instrument :
MSVOA_N
ClientSampleId :
MW4DL



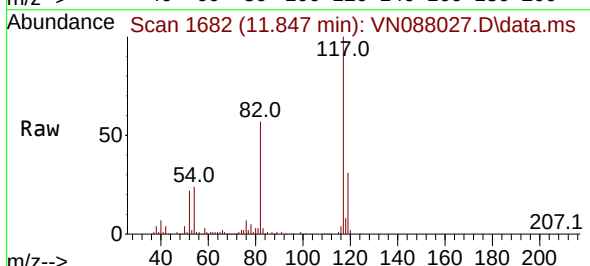
Tgt Ion: 95 Resp: 197115
Ion Ratio Lower Upper
95 100
174 72.8 0.0 159.2
176 71.7 0.0 152.6

Manual Integrations
APPROVED

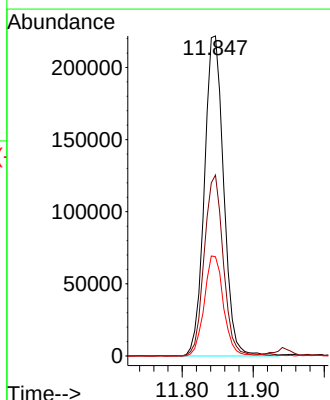
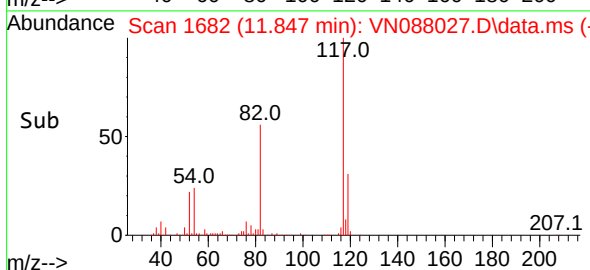
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

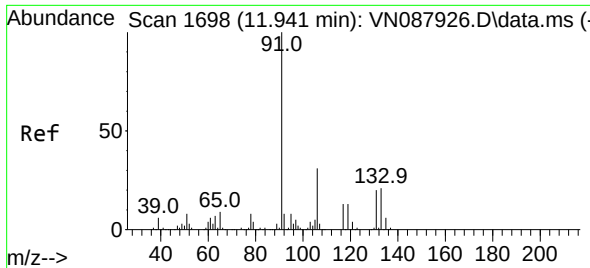


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37



Tgt Ion:117 Resp: 419833
Ion Ratio Lower Upper
117 100
82 56.4 47.0 70.4
119 31.0 26.1 39.1





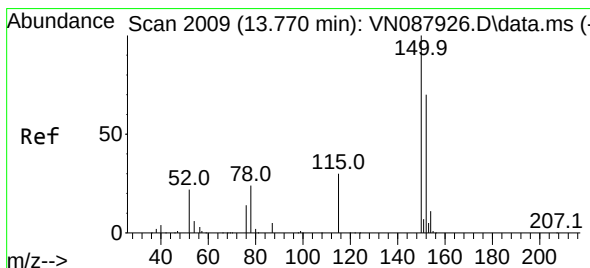
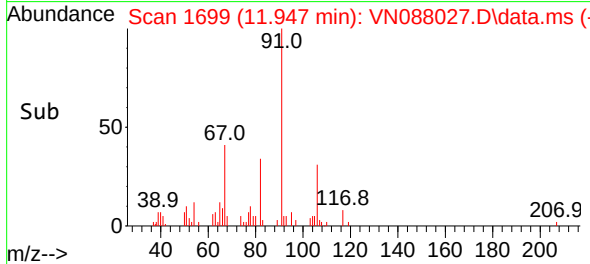
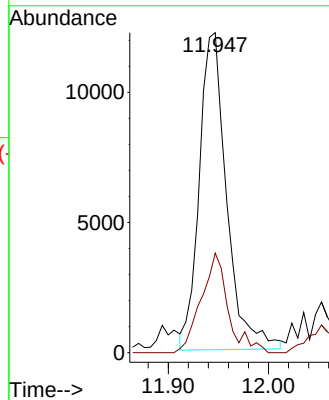
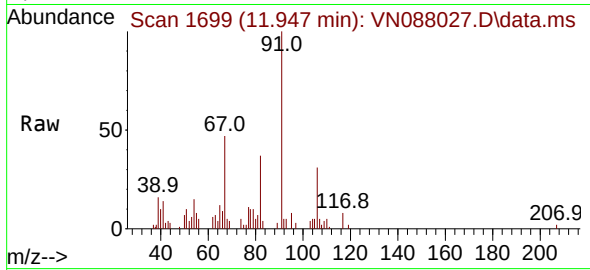
#67
Ethyl Benzene
Concen: 1.555 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Tgt Ion: 91 Resp: 2318
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8

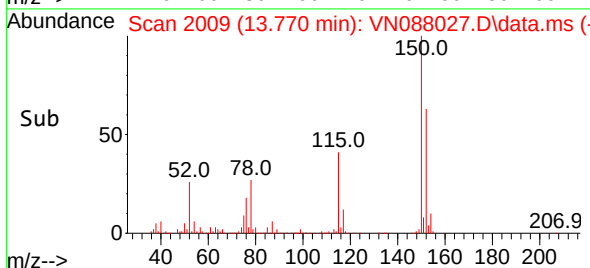
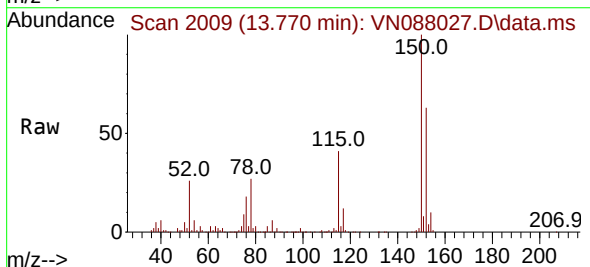
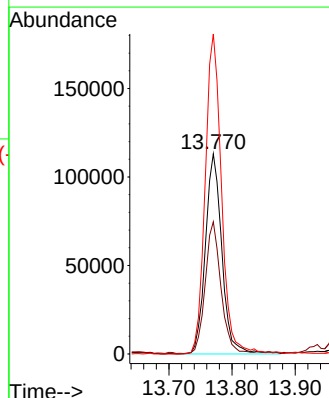
Manual Integrations
APPROVED

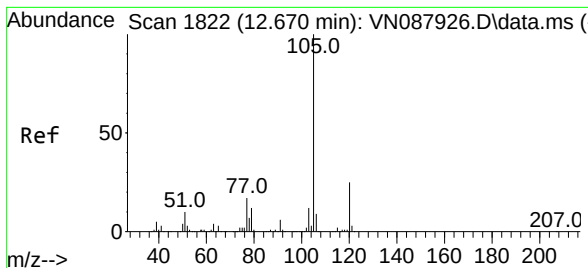
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:152 Resp: 205320
Ion Ratio Lower Upper
152 100
115 62.3 29.9 89.7
150 157.7 0.0 335.0





#73

Isopropylbenzene

Concen: 2.486 ug/l

RT: 12.676 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VN088027.D

Acq: 03 Oct 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :

MW4DL

Tgt Ion:105 Resp: 3163

Ion Ratio Lower Upper

105 100

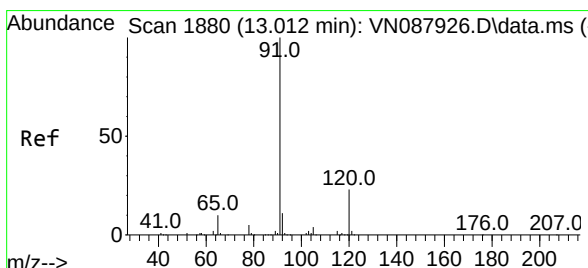
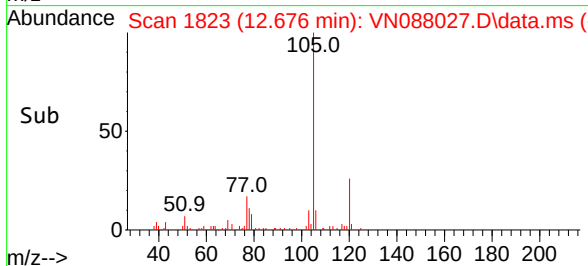
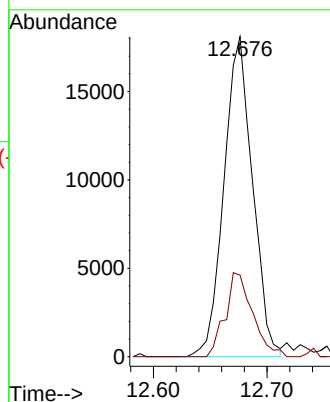
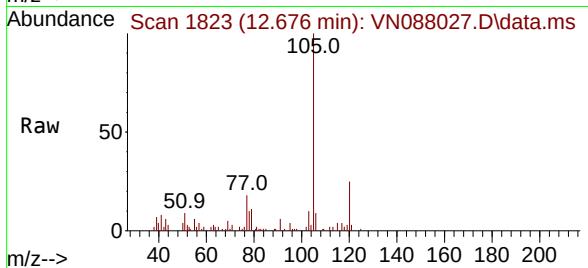
120 25.1 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025

Supervised By :Semsettin Yesilyurt 10/06/2025



#78

n-propylbenzene

Concen: 7.726 ug/l

RT: 13.017 min Scan# 1881

Delta R.T. 0.006 min

Lab File: VN088027.D

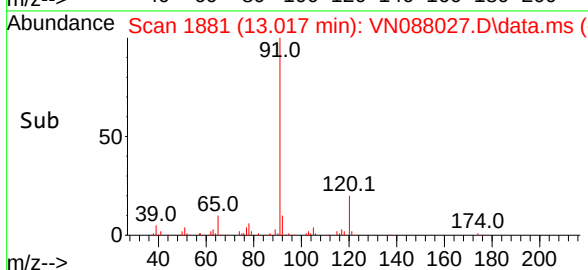
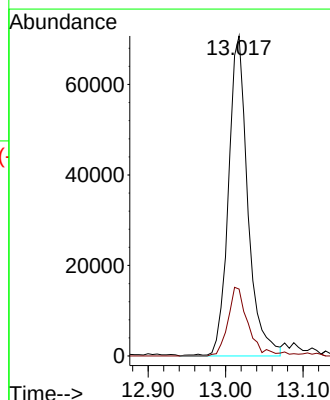
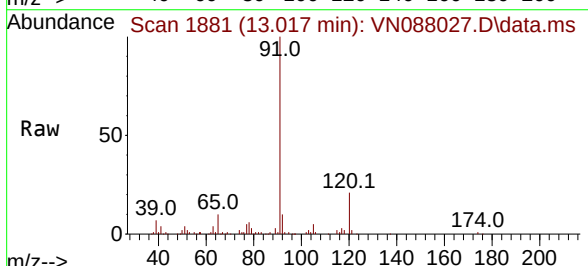
Acq: 03 Oct 2025 16:37

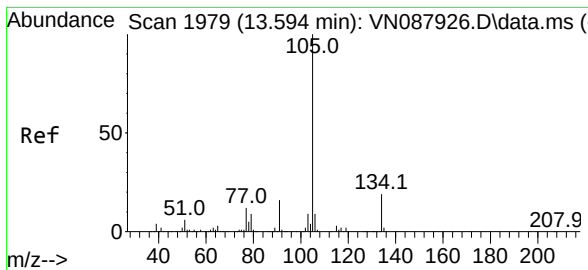
Tgt Ion: 91 Resp: 122920

Ion Ratio Lower Upper

91 100

120 22.6 11.1 33.1





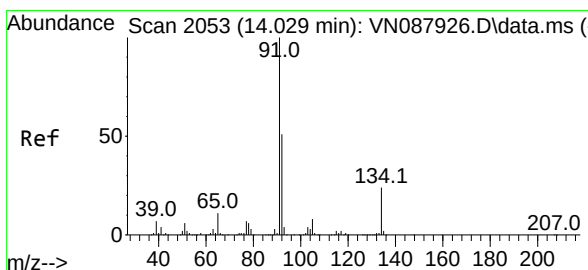
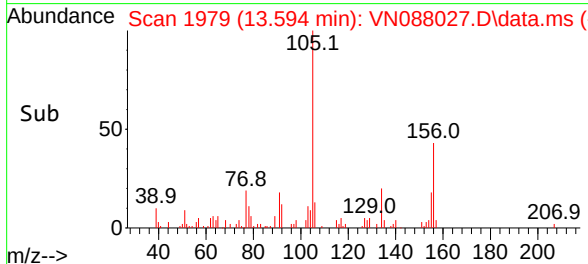
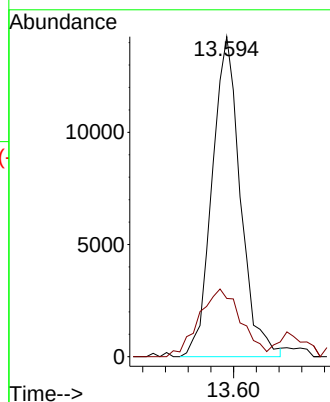
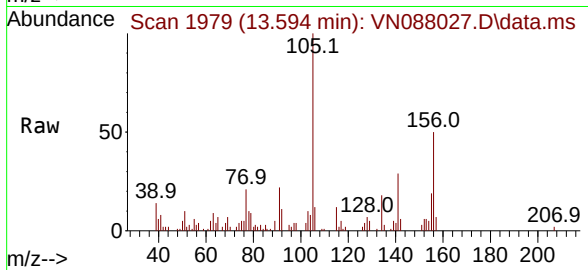
#85
 sec-Butylbenzene
 Concen: 1.806 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088027.D
 Acq: 03 Oct 2025 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4DL

Tgt Ion:105 Resp: 24672
 Ion Ratio Lower Upper
 105 100
 134 31.4 9.6 28.8

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025



#89
 n-Butylbenzene
 Concen: 2.873 ug/l m
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.006 min
 Lab File: VN088027.D
 Acq: 03 Oct 2025 16:37

Tgt Ion: 91 Resp: 31409
 Ion Ratio Lower Upper
 91 100
 92 50.6 25.9 77.8
 134 50.9 12.6 37.8

