

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088123.D
 Acq On : 27 Oct 2025 18:21
 Operator : JC\MD
 Sample : Q3468-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10

Quant Time: Oct 28 01:33:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/29/2025
 Supervised By :Mahesh Dadoda 10/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	303280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	680452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	669650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	331682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	312846	59.654	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.300%			
35) Dibromofluoromethane	8.153	113	225287	49.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.560%			
50) Toluene-d8	10.547	98	822347	46.687	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.380%			
62) 4-Bromofluorobenzene	12.823	95	332626	53.471	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.940%			
Target Compounds					Qvalue	
31) Cyclohexane	8.241	56	51151	6.968	ug/l	94
39) Methylcyclohexane	9.576	83	24875m	2.899	ug/l	
67) Ethyl Benzene	11.947	91	10061	0.377	ug/l	95
68) m/p-Xylenes	12.047	106	18815	1.881	ug/l	96
69) o-Xylene	12.376	106	4247	0.448	ug/l	80
73) Isopropylbenzene	12.676	105	65050	2.543	ug/l	99
78) n-propylbenzene	13.017	91	51427	1.647	ug/l	91
80) 1,3,5-Trimethylbenzene	13.153	105	14549	0.685	ug/l	88
84) 1,2,4-Trimethylbenzene	13.459	105	22453	1.056	ug/l	97
85) sec-Butylbenzene	13.594	105	32972	1.182	ug/l #	37
95) Naphthalene	15.611	128	36191m	1.643	ug/l	

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

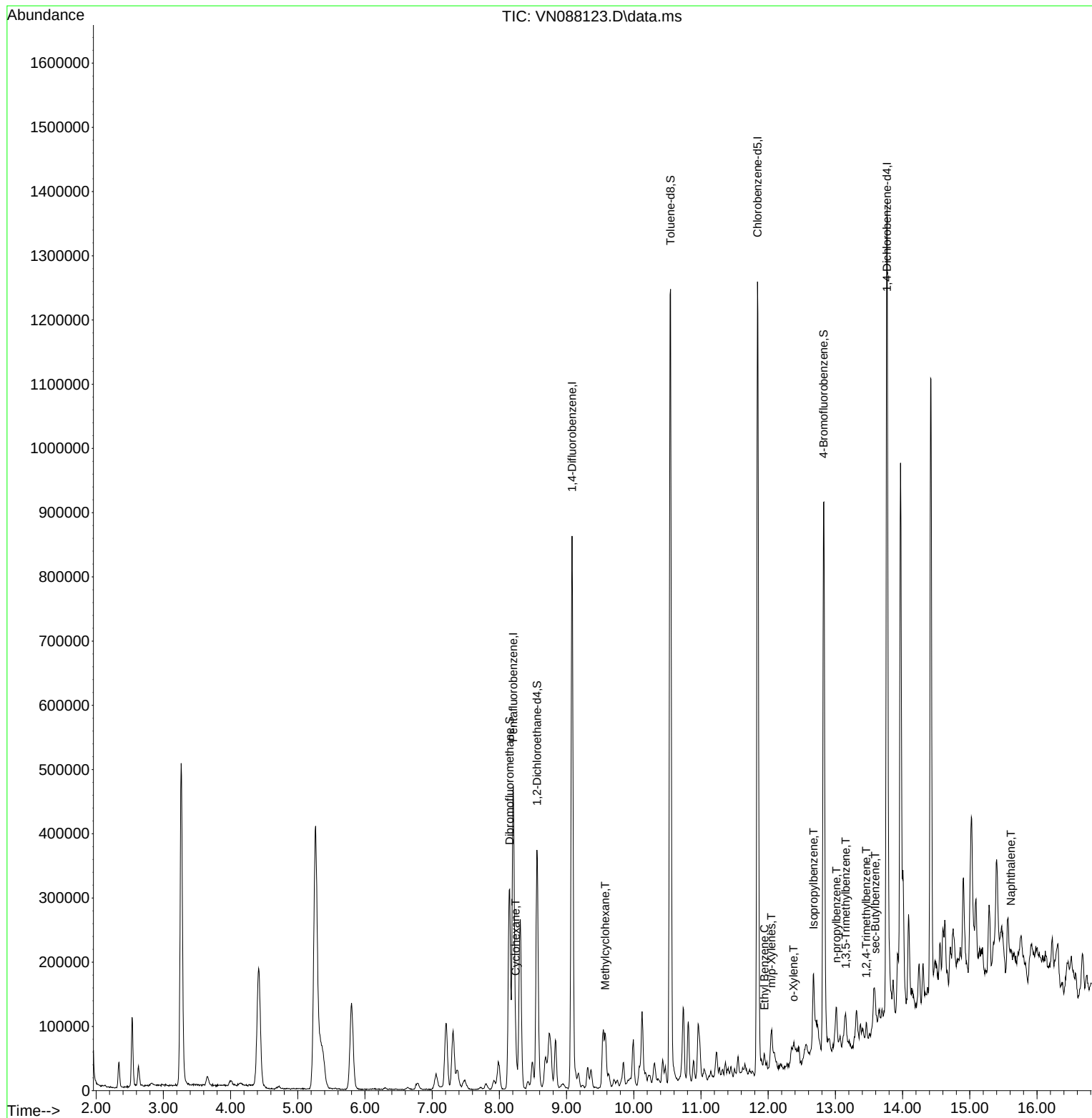
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088123.D
Acq On : 27 Oct 2025 18:21
Operator : JC\MD
Sample : Q3468-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

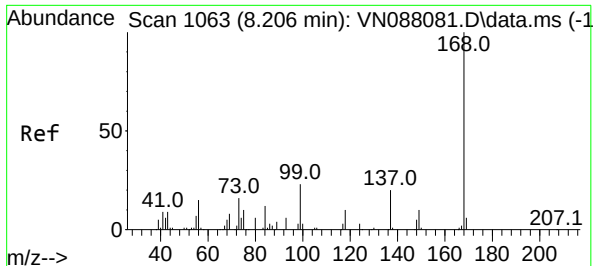
Instrument :
MSVOA_N
ClientSampleId :
MW-10

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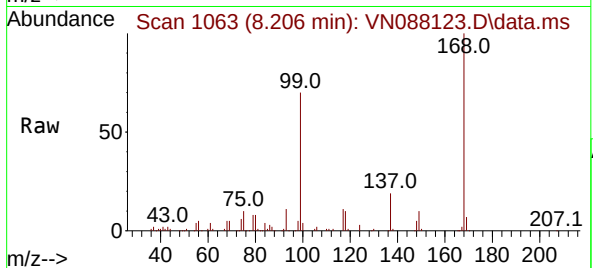
Quant Time: Oct 28 01:33:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

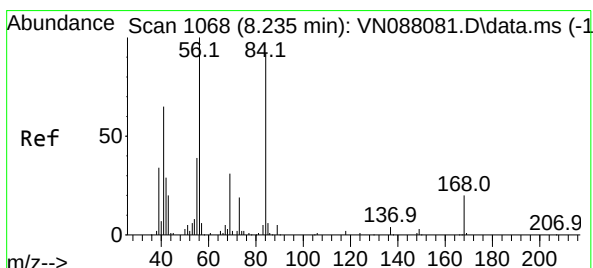
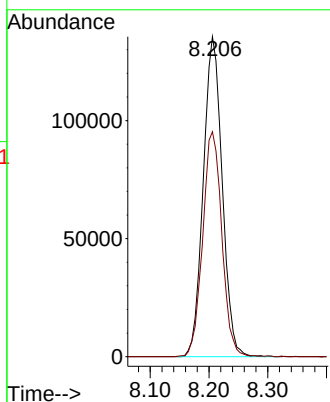
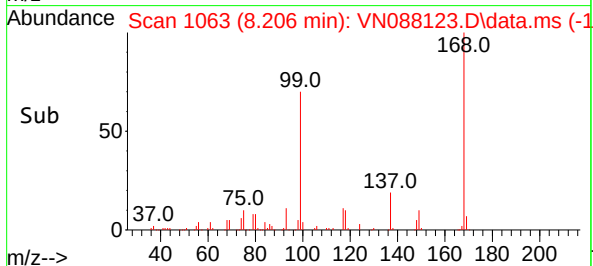
Instrument :
MSVOA_N
ClientSampleId :
MW-10



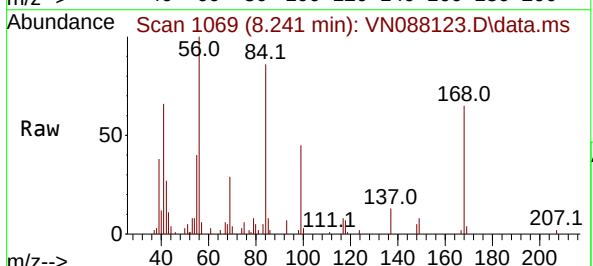
Tgt Ion:168 Resp: 303280
Ion Ratio Lower Upper
168 100
99 70.3 57.2 85.8

Manual Integrations
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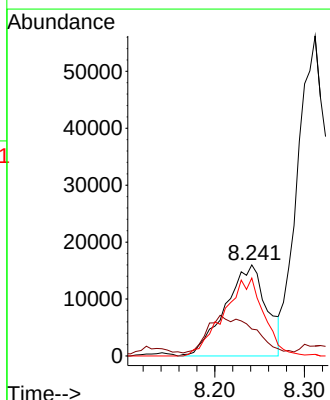
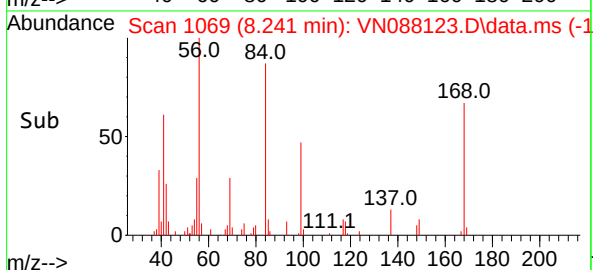
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025

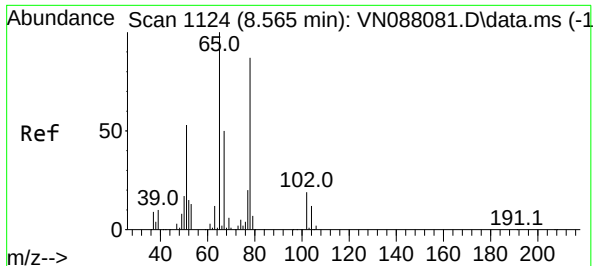


#31
Cyclohexane
Concen: 6.968 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21



Tgt Ion: 56 Resp: 51151
Ion Ratio Lower Upper
56 100
69 24.9 23.7 35.5
84 85.6 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 59.654 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088123.D

Acq: 27 Oct 2025 18:21

Instrument :

MSVOA_N

ClientSampleId :

MW-10

Tgt Ion: 65 Resp: 312840

Ion Ratio Lower Upper

65 100

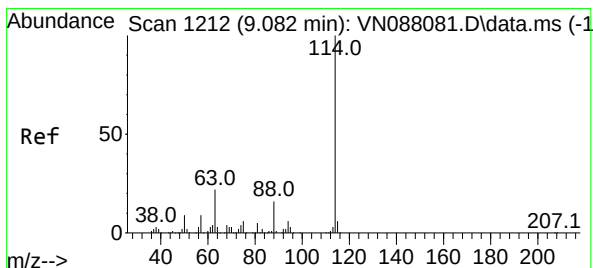
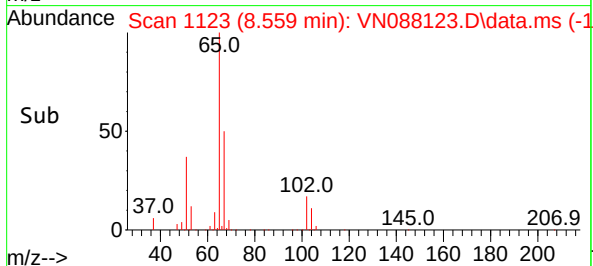
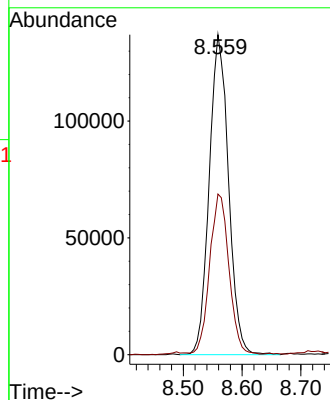
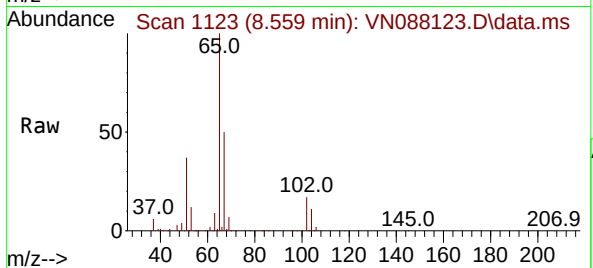
67 49.6 0.0 100.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088123.D

Acq: 27 Oct 2025 18:21

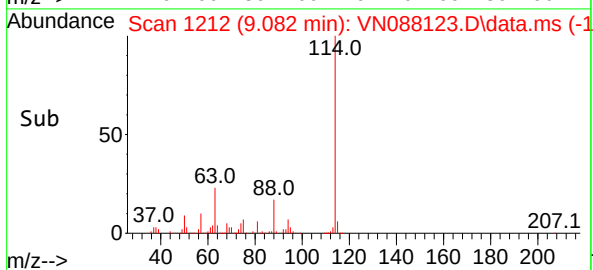
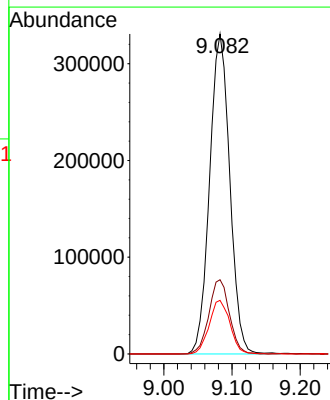
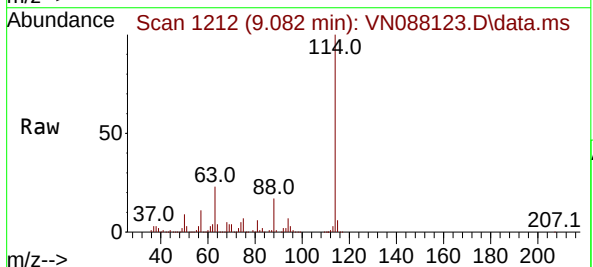
Tgt Ion:114 Resp: 680452

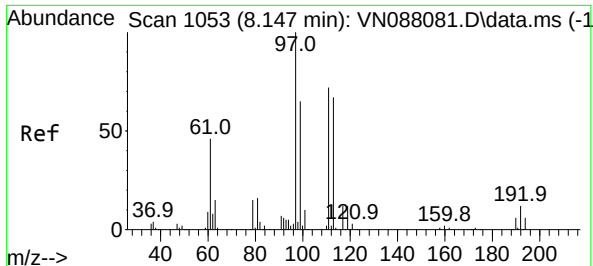
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

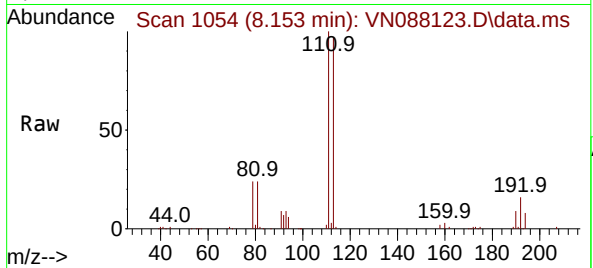
88 16.7 0.0 33.4





#35
Dibromofluoromethane
Concen: 49.283 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

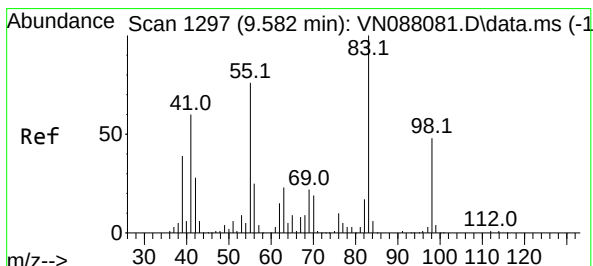
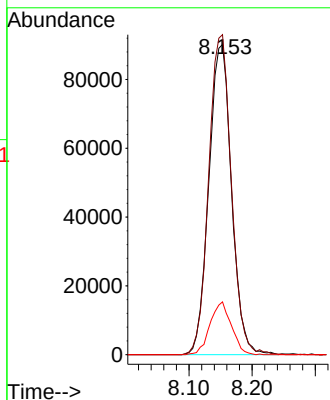
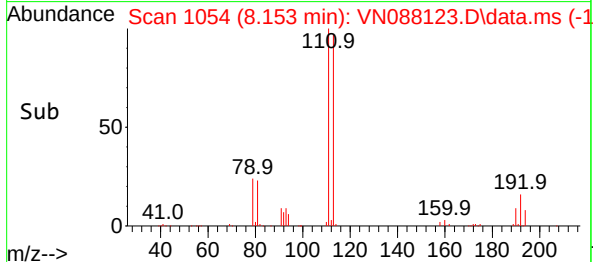
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 113 Resp: 22528
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 16.0 12.8 19.2

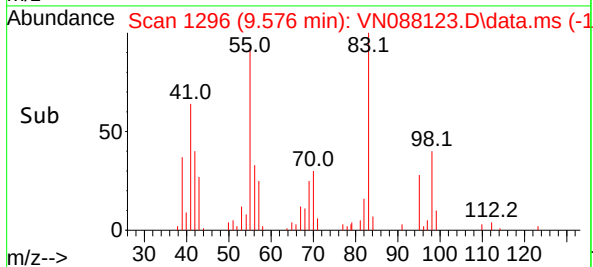
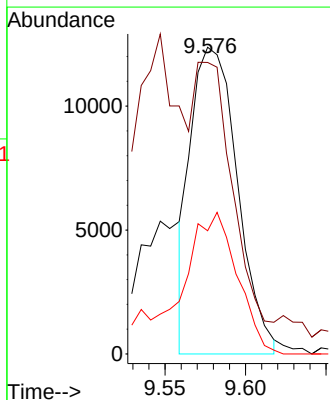
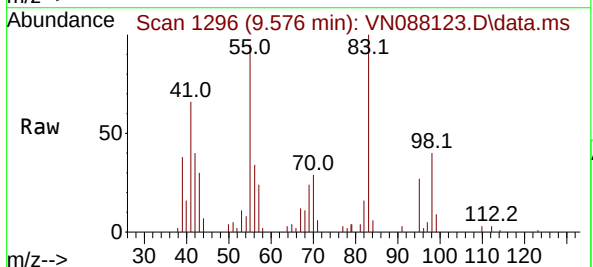
Manual Integrations
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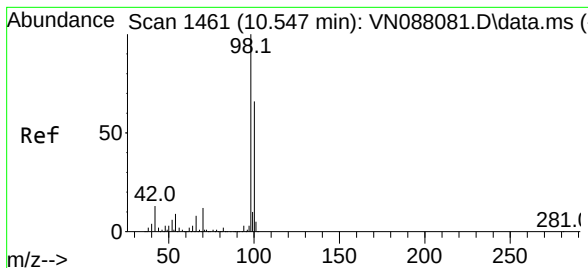
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



#39
Methylcyclohexane
Concen: 2.899 ug/l m
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

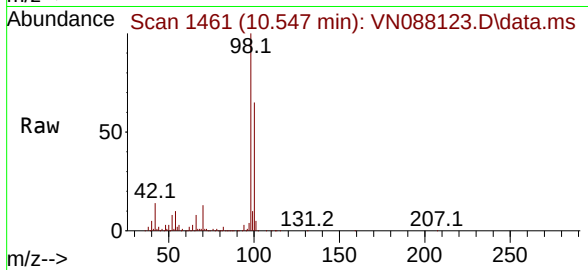
Tgt Ion: 83 Resp: 24875
Ion Ratio Lower Upper
83 100
55 95.1 64.6 96.8
98 40.2 38.4 57.6





#50
Toluene-d8
Concen: 46.687 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

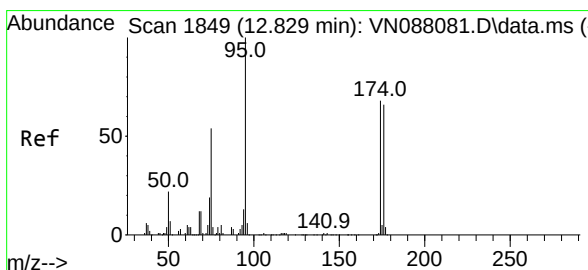
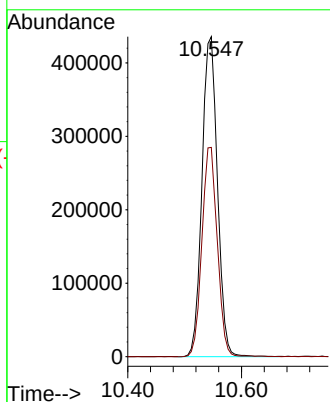
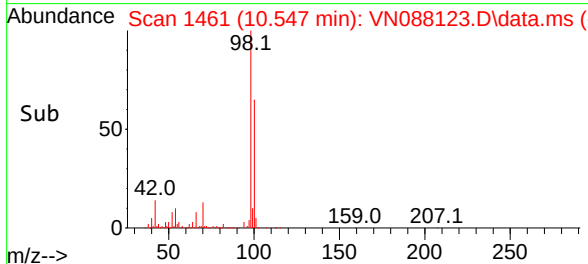
Instrument :
MSVOA_N
ClientSampleId :
MW-10



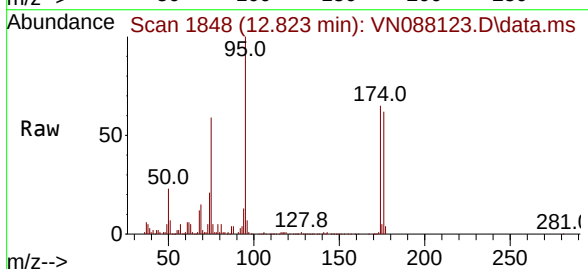
Tgt Ion: 98 Resp: 82234
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

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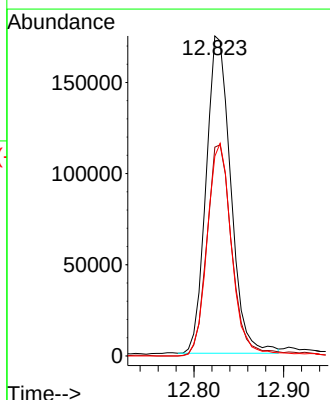
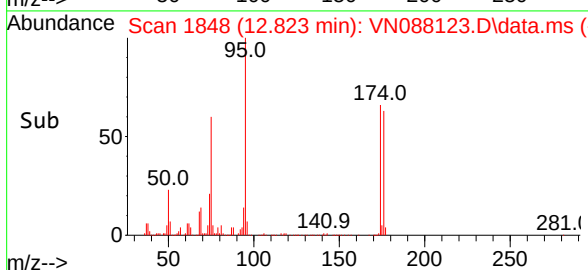
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025

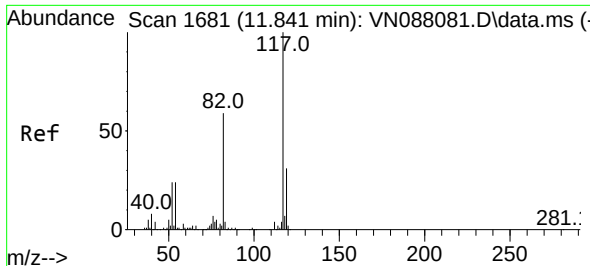


#62
4-Bromofluorobenzene
Concen: 53.471 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21



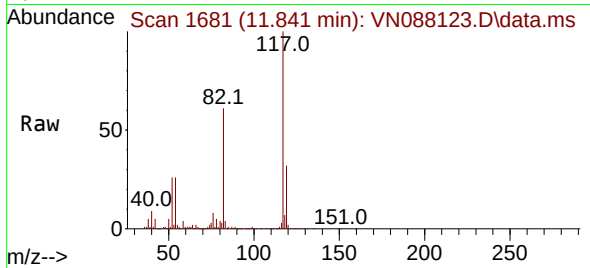
Tgt Ion: 95 Resp: 332626
Ion Ratio Lower Upper
95 100
174 68.7 0.0 138.4
176 67.1 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

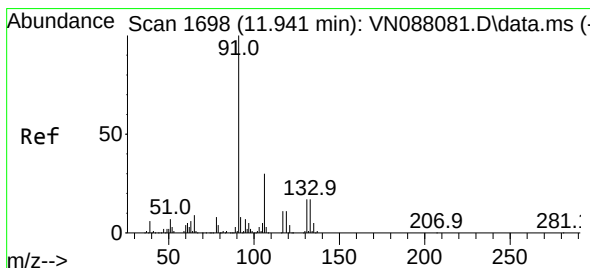
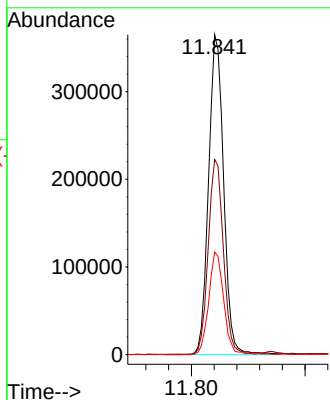
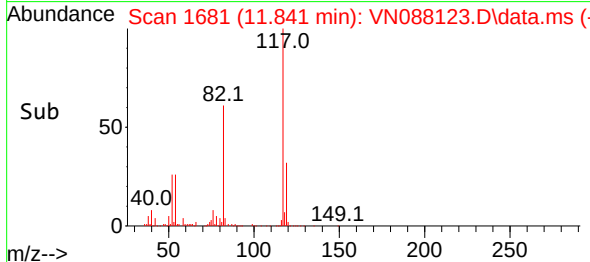
Instrument :
MSVOA_N
ClientSampleId :
MW-10



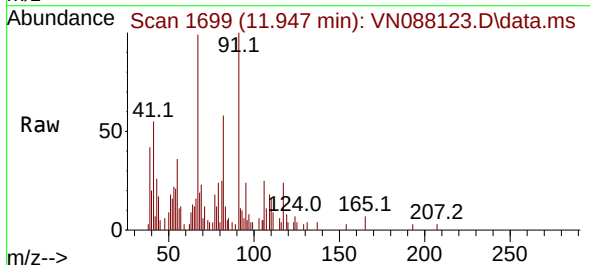
Tgt Ion:117 Resp: 669650
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.9 24.3 36.5

Manual Integrations
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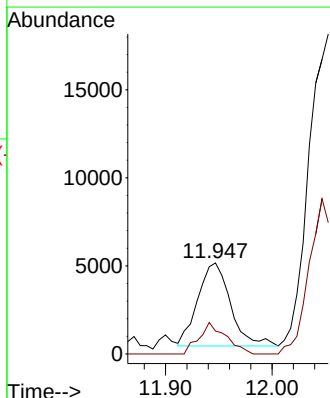
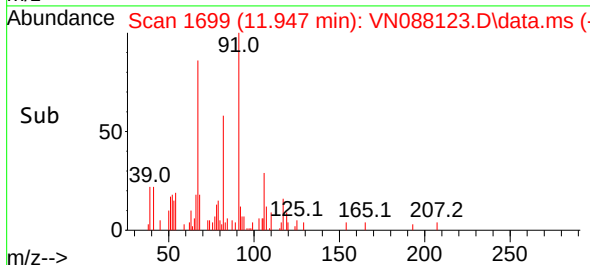
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025

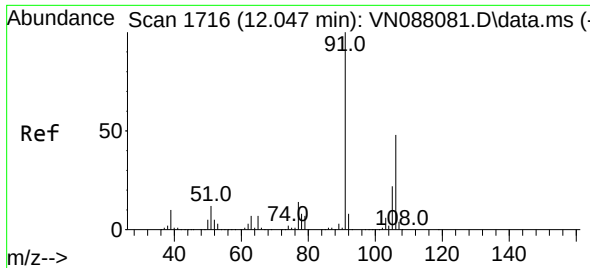


#67
Ethyl Benzene
Concen: 0.377 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21



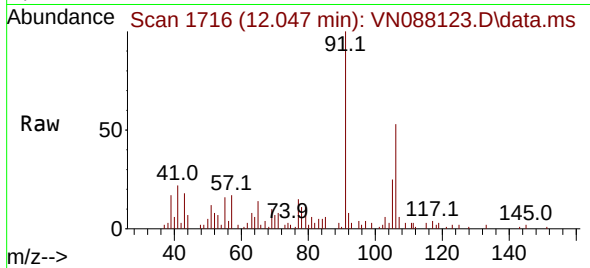
Tgt Ion: 91 Resp: 10061
Ion Ratio Lower Upper
91 100
106 27.6 24.1 36.1





#68
m/p-Xylenes
Concen: 1.881 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

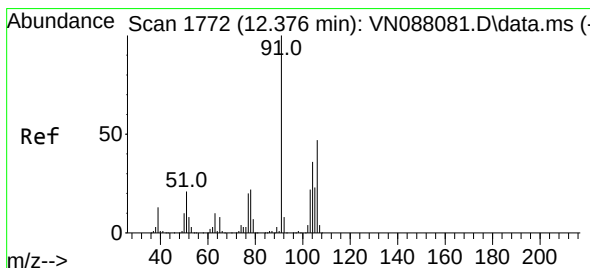
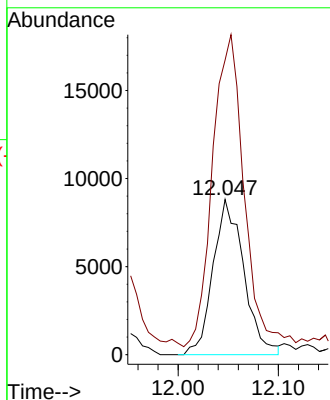
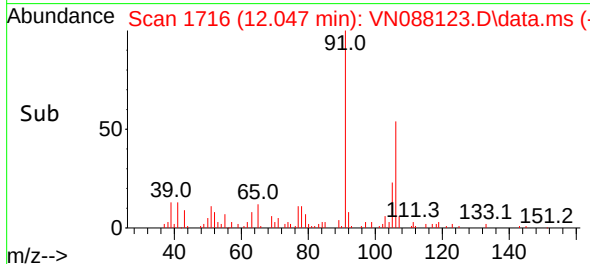
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion:106 Resp: 1881
Ion Ratio Lower Upper
106 100
91 204.8 169.3 253.9

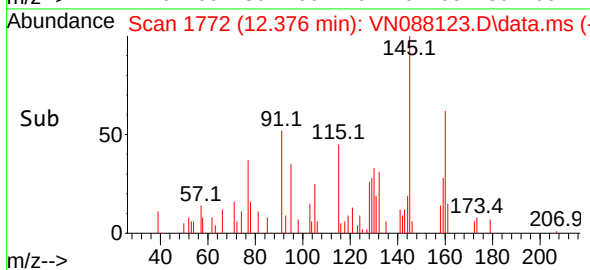
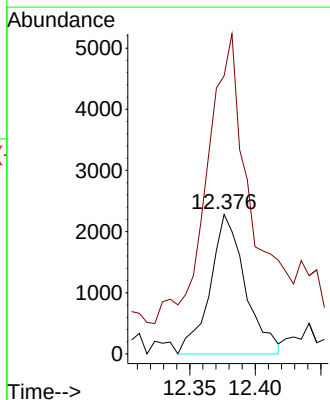
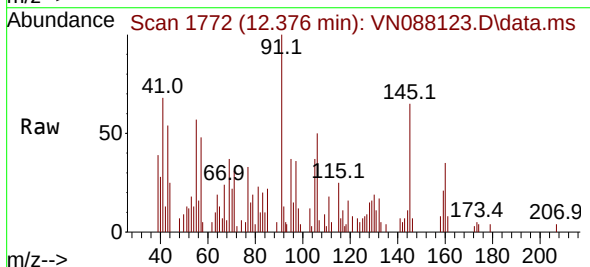
Manual Integrations
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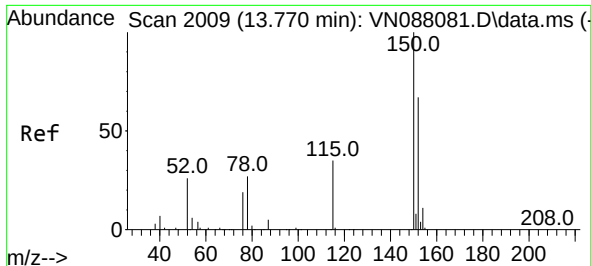
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



#69
o-Xylene
Concen: 0.448 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

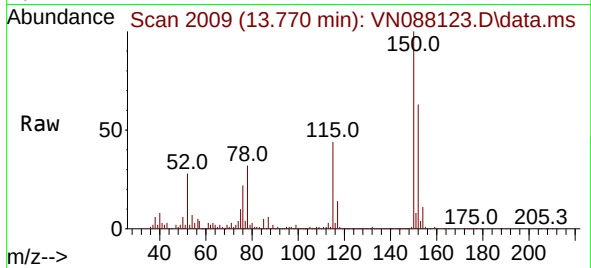
Tgt Ion:106 Resp: 4247
Ion Ratio Lower Upper
106 100
91 255.3 111.4 334.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

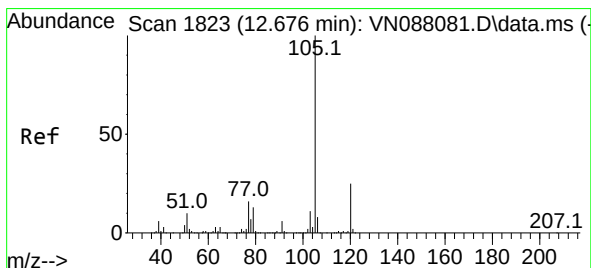
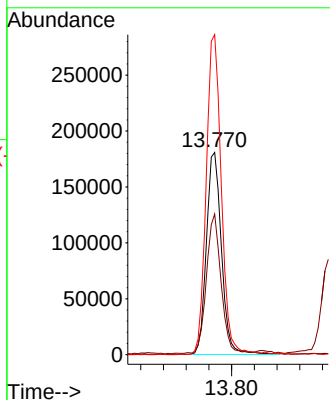
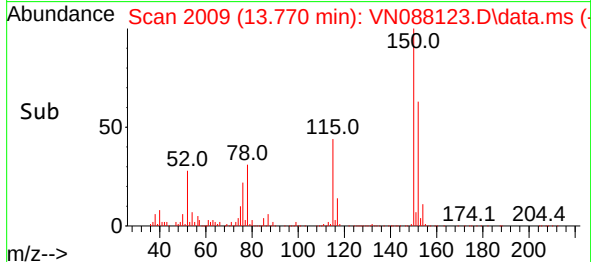
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion:152 Resp: 33168
Ion Ratio Lower Upper
152 100
115 67.9 32.3 96.8
150 159.2 0.0 351.0

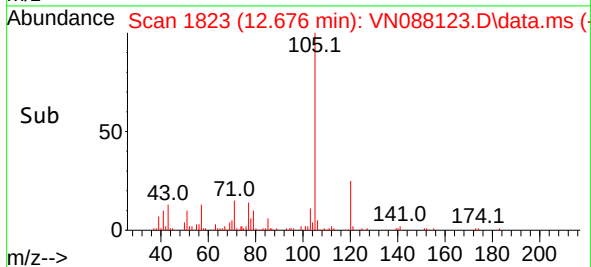
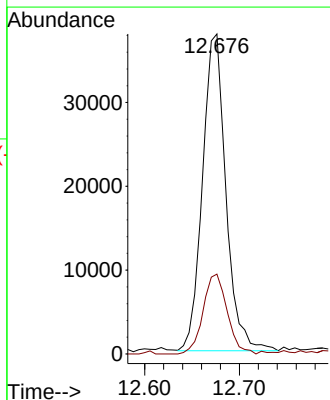
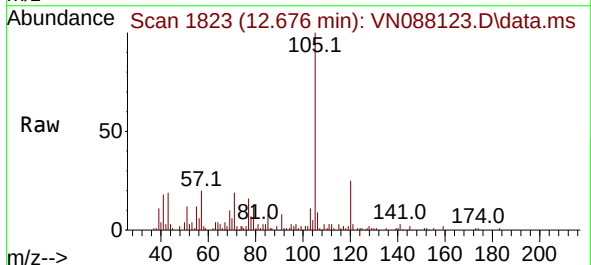
Manual Integrations
APPROVED

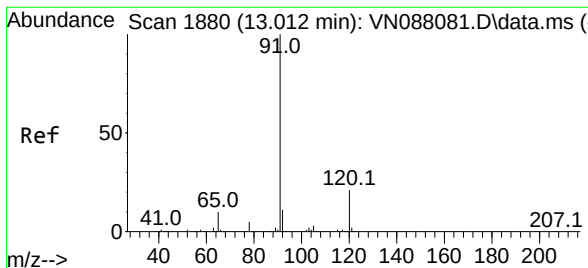
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



#73
Isopropylbenzene
Concen: 2.543 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

Tgt Ion:105 Resp: 65050
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3





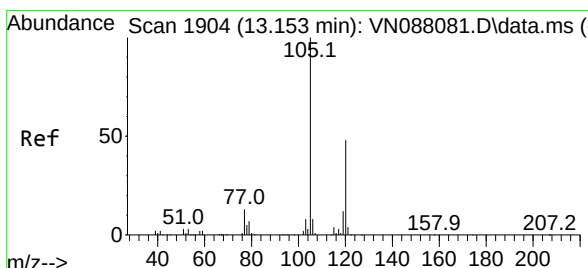
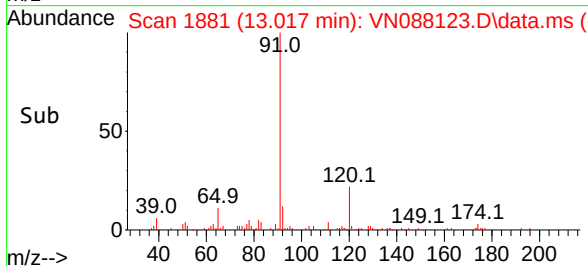
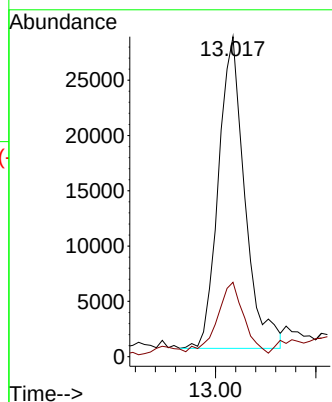
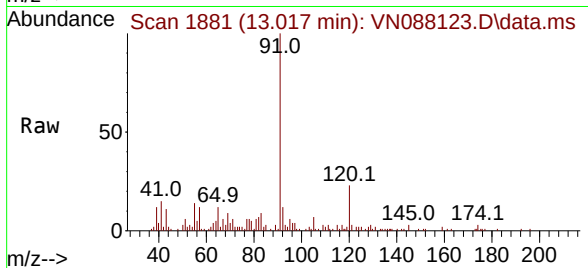
#78
n-propylbenzene
Concen: 1.647 ug/l
RT: 13.017 min Scan# 1880
Delta R.T. 0.005 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 91 Resp: 5142
Ion Ratio Lower Upper
91 100
120 25.7 10.7 32.1

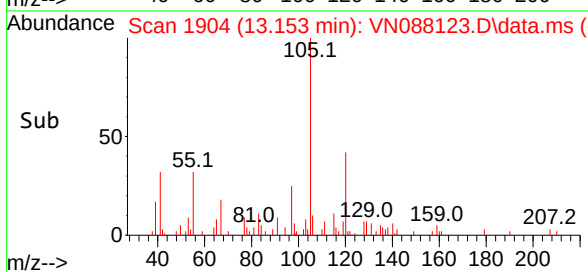
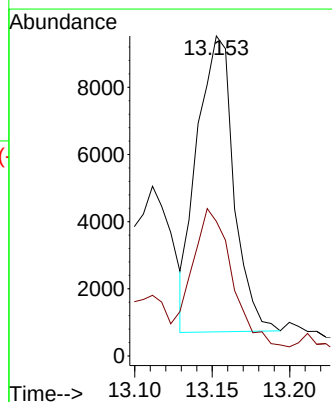
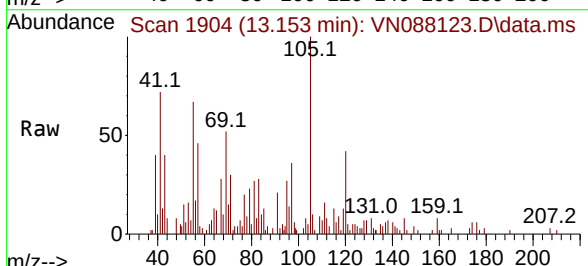
Manual Integrations
APPROVED

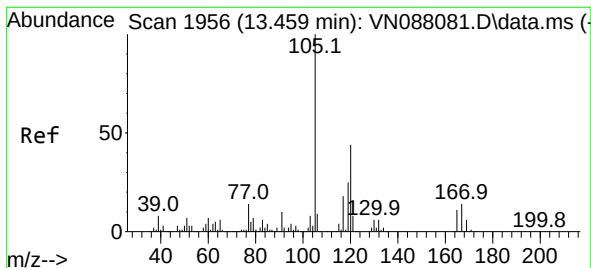
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.685 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088123.D
Acq: 27 Oct 2025 18:21

Tgt Ion:105 Resp: 14549
Ion Ratio Lower Upper
105 100
120 54.1 23.2 69.6





#84

1,2,4-Trimethylbenzene

Concen: 1.056 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088123.D

Acq: 27 Oct 2025 18:21

Instrument :

MSVOA_N

ClientSampleId :

MW-10

Tgt Ion:105 Resp: 2245

Ion Ratio Lower Upper

105 100

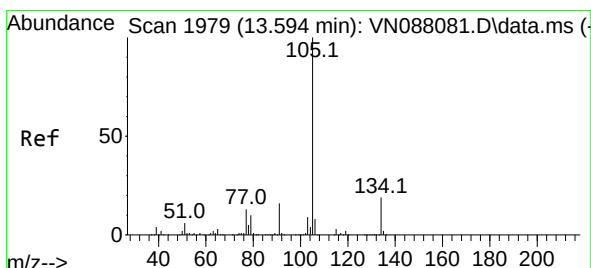
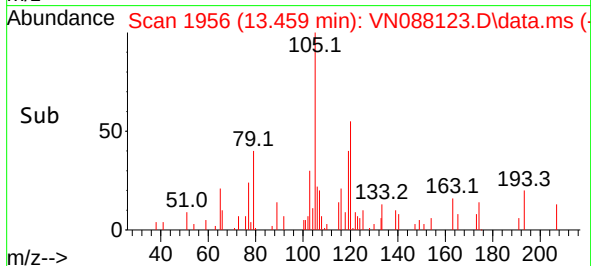
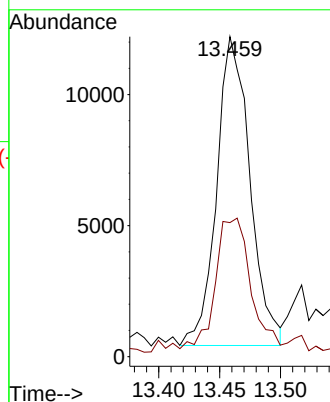
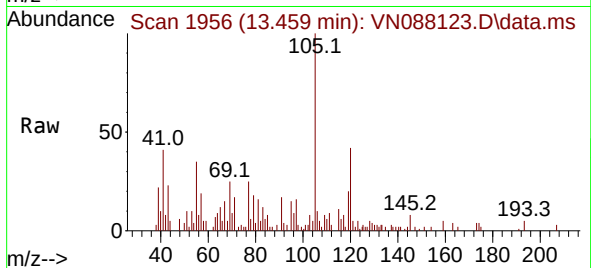
120 46.2 22.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/29/2025

Supervised By :Mahesh Dadoda 10/29/2025



#85

sec-Butylbenzene

Concen: 1.182 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088123.D

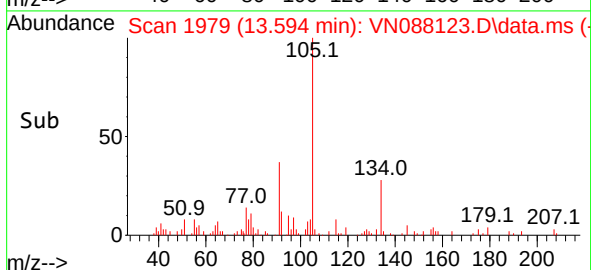
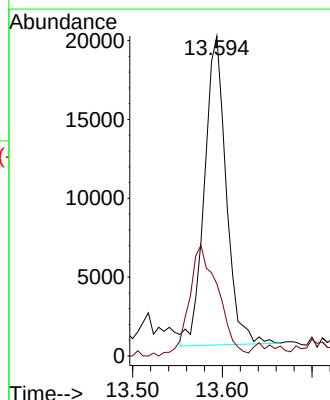
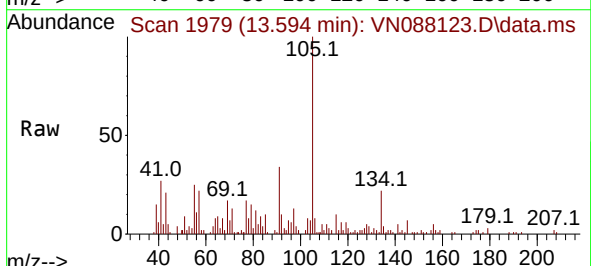
Acq: 27 Oct 2025 18:21

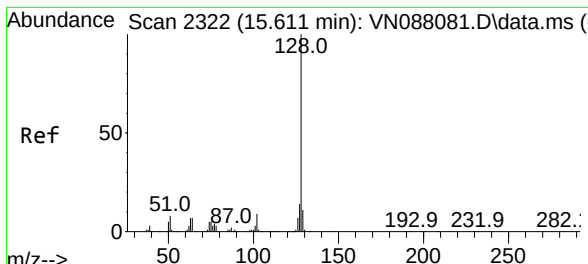
Tgt Ion:105 Resp: 32972

Ion Ratio Lower Upper

105 100

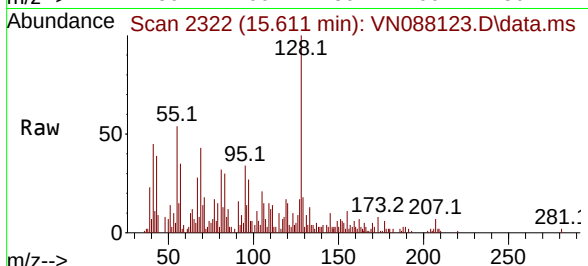
134 47.8 9.6 28.6#





#95
 Naphthalene
 Concen: 1.643 ug/l m
 RT: 15.611 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN088123.D
 Acq: 27 Oct 2025 18:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10



Tgt Ion:	128	Resp:	3619
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8
129	0.0	8.6	12.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/29/2025
 Supervised By :Mahesh Dadoda 10/29/2025

