

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087511.D
 Acq On : 12 Aug 2025 14:02
 Operator : JC\MD
 Sample : Q2827-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Aug 13 03:04:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
 Supervised By :Mahesh Dadoda 08/14/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	254154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	554937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	520984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	239503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	256450	59.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.940%			
35) Dibromofluoromethane	8.153	113	188060	49.128	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.260%			
50) Toluene-d8	10.547	98	718328	52.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.220%			
62) 4-Bromofluorobenzene	12.829	95	263463	52.225	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.440%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	84153	41.619	ug/l	96
18) Methyl Acetate	5.024	43	55628	10.950	ug/l	97
20) Methylene Chloride	5.283	84	13102	3.234	ug/l #	64
25) 2-Butanone	7.477	43	21244	6.800	ug/l	96
37) Ethyl Acetate	7.553	43	34409	4.711	ug/l	97
39) Methylcyclohexane	9.588	83	8674	1.584	ug/l #	73
43) Isopropyl Acetate	8.682	43	24084	2.124	ug/l	93
65) Chlorobenzene	11.870	112	22073	1.887	ug/l	92
73) Isopropylbenzene	12.676	105	98443	6.531	ug/l	100
78) n-propylbenzene	13.017	91	83858	4.422	ug/l	98
85) sec-Butylbenzene	13.594	105	74000	4.580	ug/l	93
89) n-Butylbenzene	14.035	91	37265m	3.014	ug/l	

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

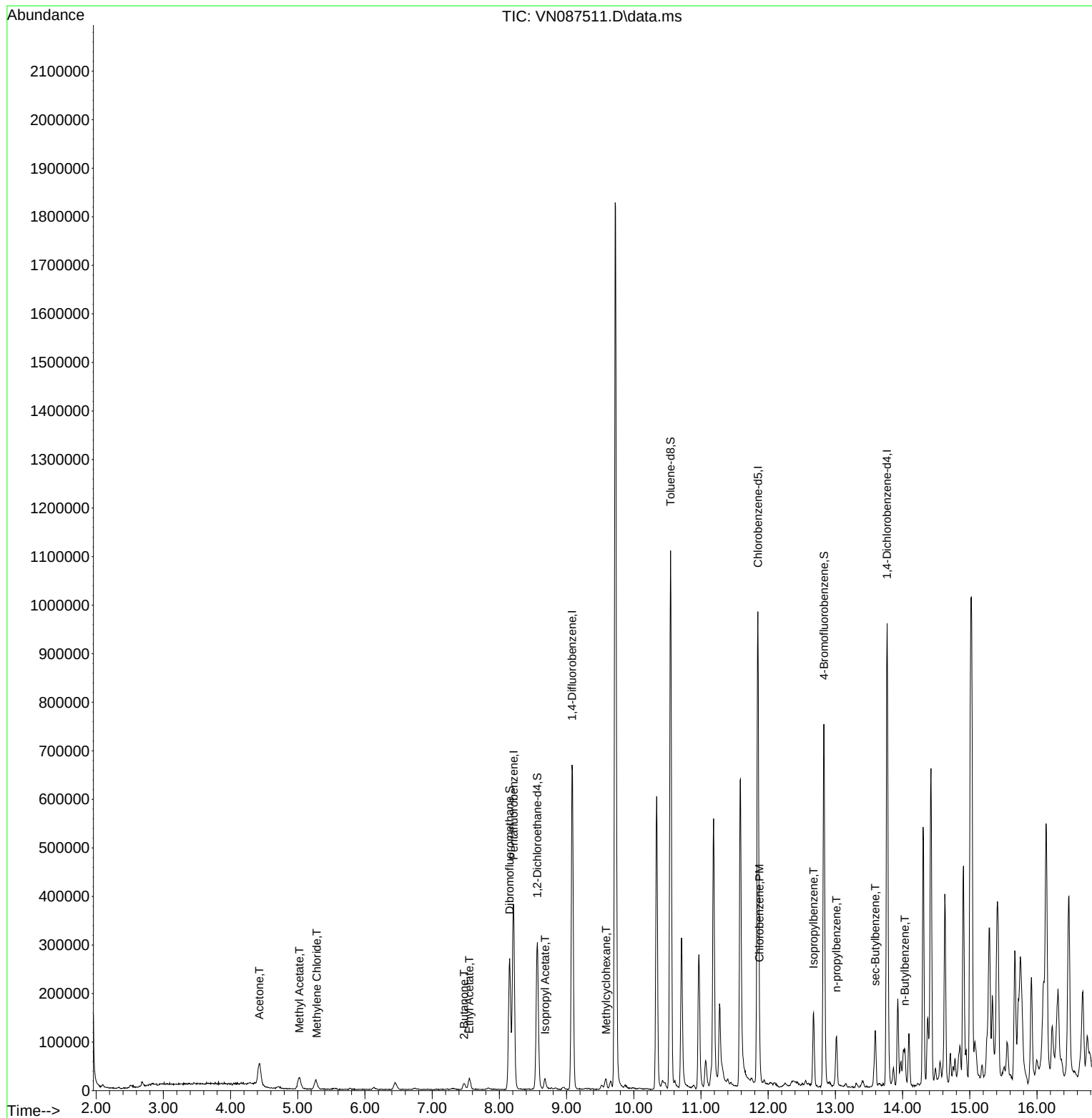
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087511.D
Acq On : 12 Aug 2025 14:02
Operator : JC\MD
Sample : Q2827-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

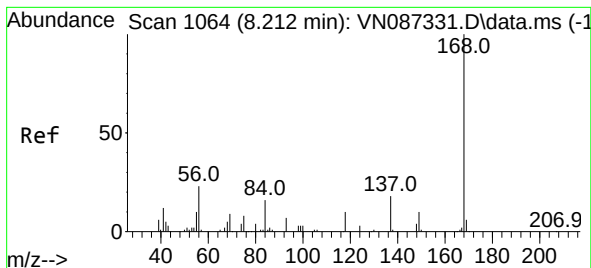
Instrument :
MSVOA_N
ClientSampleId :
TP-9

Quant Time: Aug 13 03:04:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
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Response via : Initial Calibration

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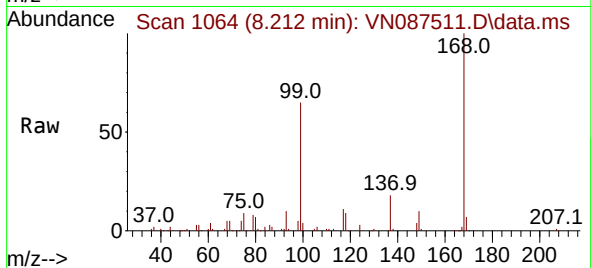
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

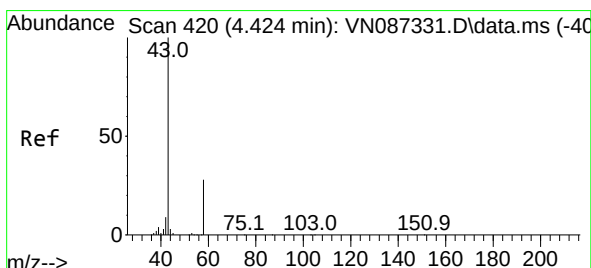
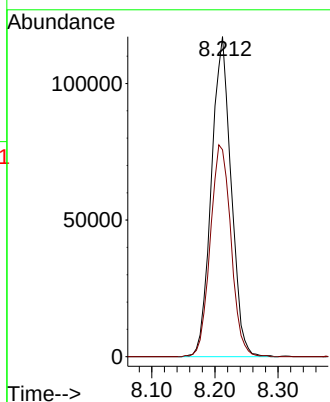
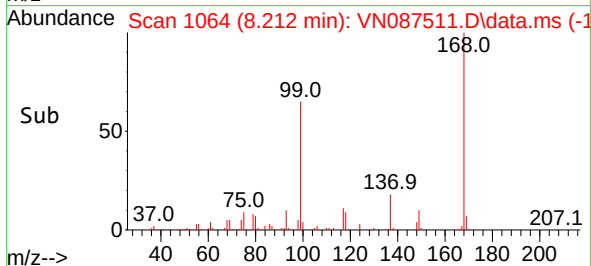
Instrument :
MSVOA_N
ClientSampleId :
TP-9



Tgt Ion:168 Resp: 254154
Ion Ratio Lower Upper
168 100
99 64.6 47.9 71.9

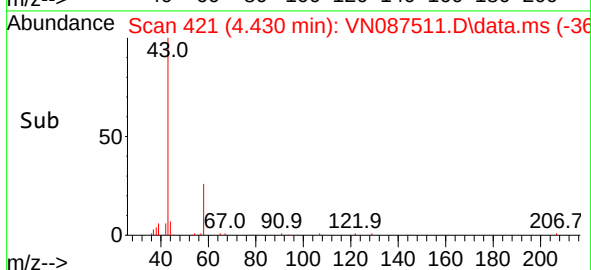
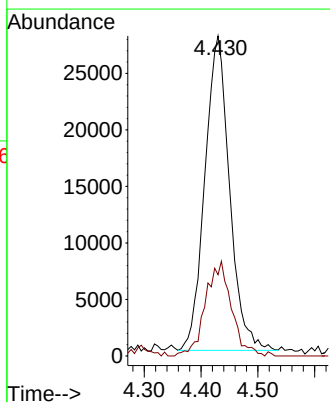
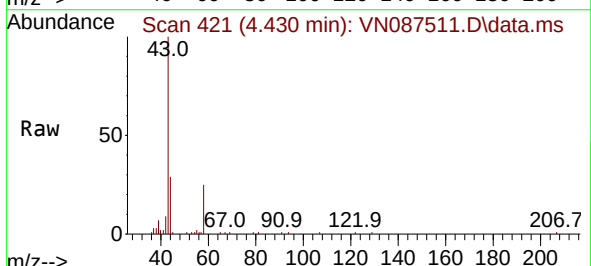
Manual Integrations
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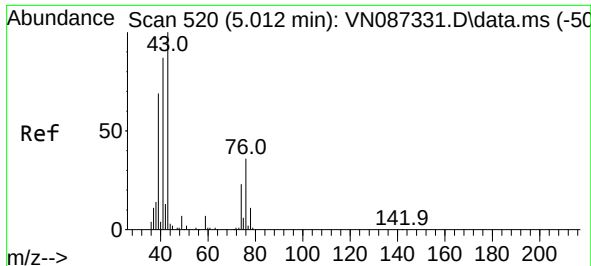
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#16
Acetone
Concen: 41.619 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

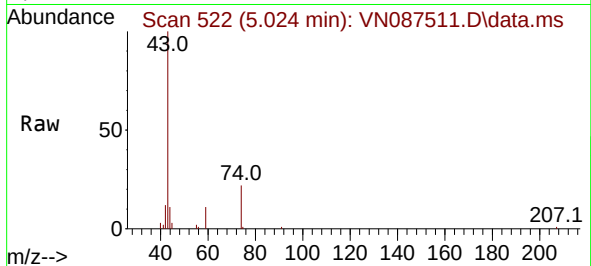
Tgt Ion: 43 Resp: 84153
Ion Ratio Lower Upper
43 100
58 25.9 22.3 33.5





#18
Methyl Acetate
Concen: 10.950 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

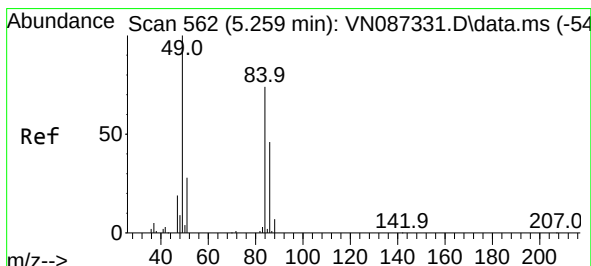
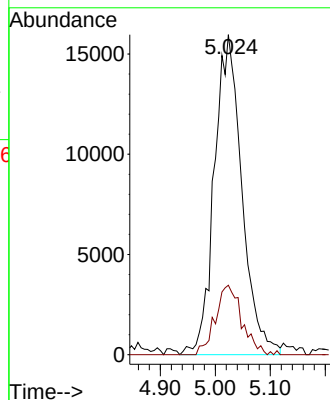
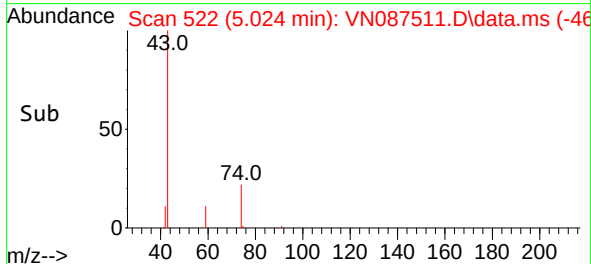
Instrument :
MSVOA_N
ClientSampleId :
TP-9



Tgt Ion: 43 Resp: 55628
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.6

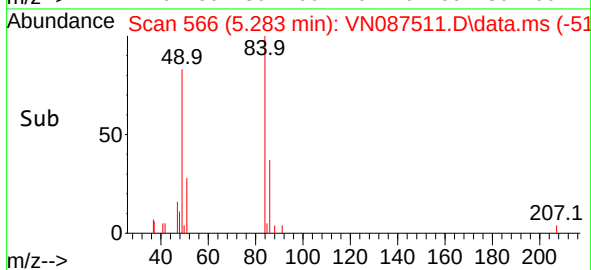
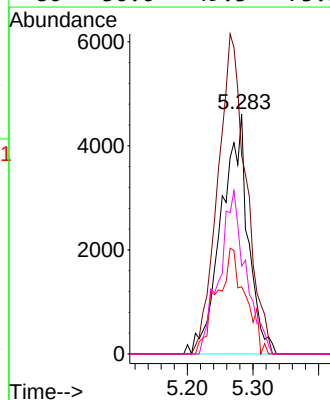
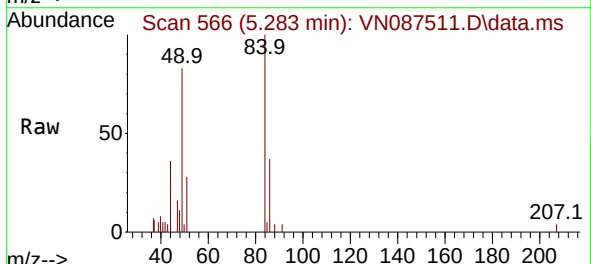
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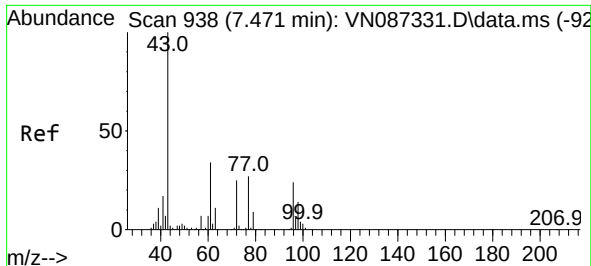
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#20
Methylene Chloride
Concen: 3.234 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.024 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

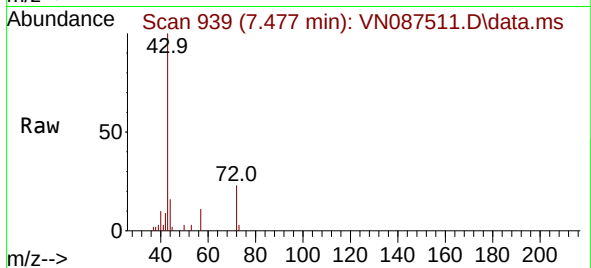
Tgt Ion: 84 Resp: 13102
Ion Ratio Lower Upper
84 100
49 82.8 107.5 161.3#
51 28.0 30.2 45.2#
86 36.6 49.3 73.9#





#25
2-Butanone
Concen: 6.800 ug/l
RT: 7.477 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

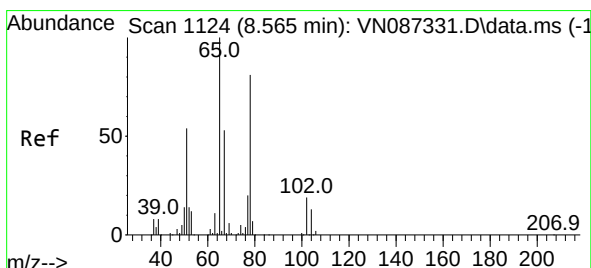
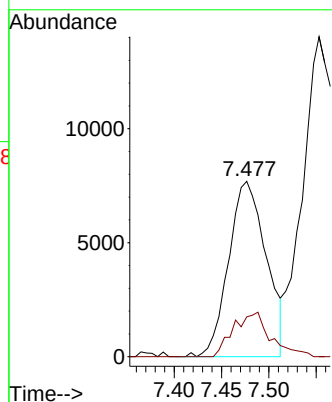
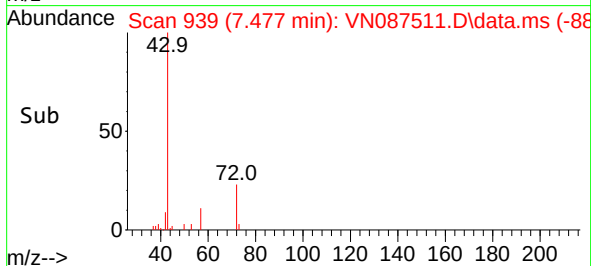
Instrument :
MSVOA_N
ClientSampleId :
TP-9



Tgt Ion: 43 Resp: 21244
Ion Ratio Lower Upper
43 100
72 22.7 19.6 29.4

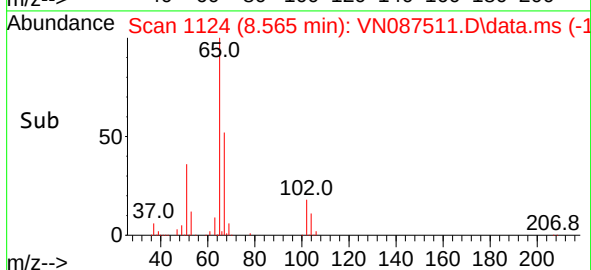
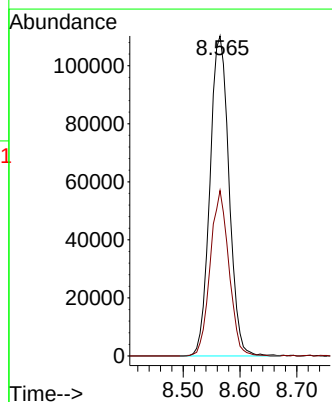
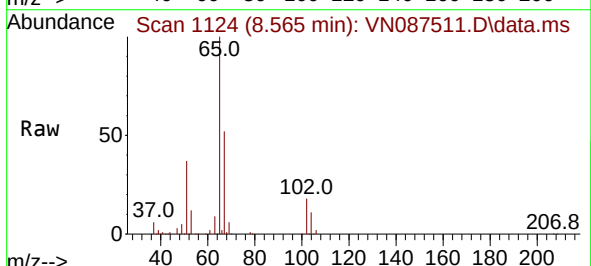
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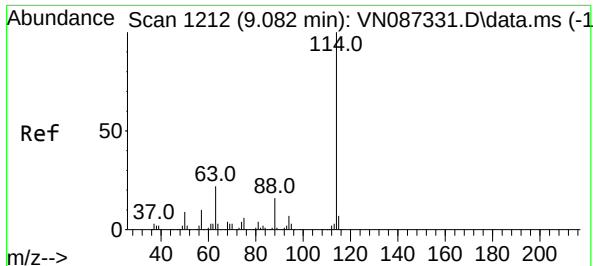
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#33
1,2-Dichloroethane-d4
Concen: 59.467 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

Tgt Ion: 65 Resp: 256450
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VN087511.D

Acq: 12 Aug 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

TP-9

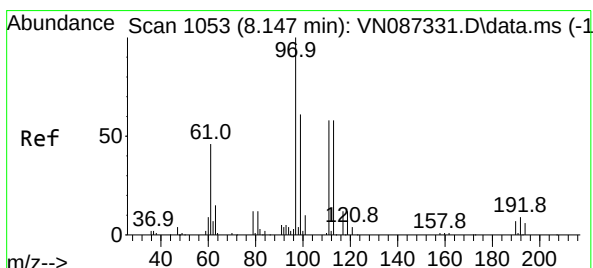
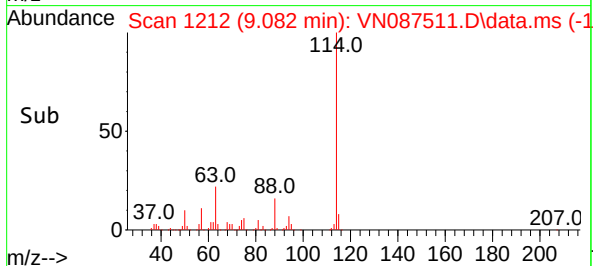
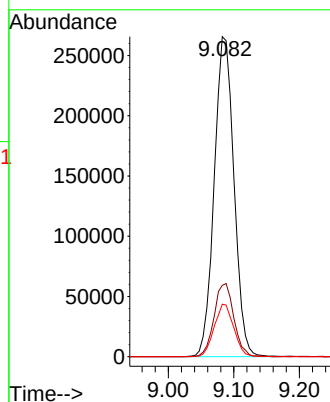
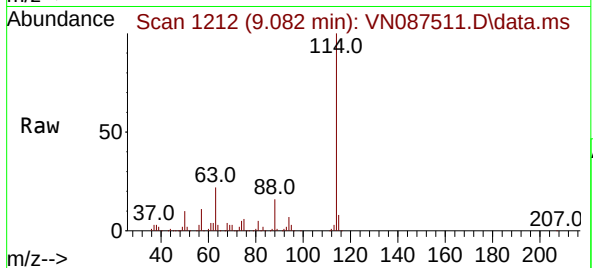
Tgt Ion:	114	Resp:	55493
Ion Ratio	Lower	Upper	
114	100		
63	22.3	0.0	44.6
88	16.4	0.0	32.8

Manual Integrations

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Reviewed By :John Carlone 08/13/2025

Supervised By :Mahesh Dadoda 08/14/2025



#35

Dibromofluoromethane

Concen: 49.128 ug/l

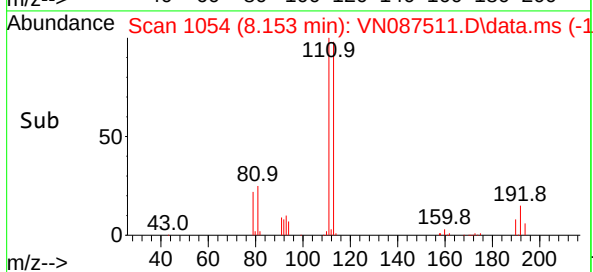
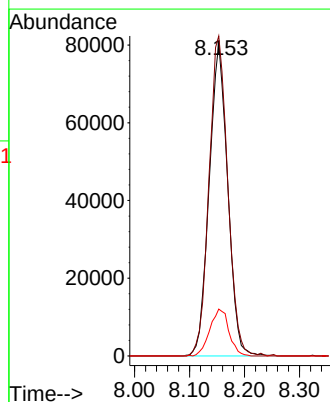
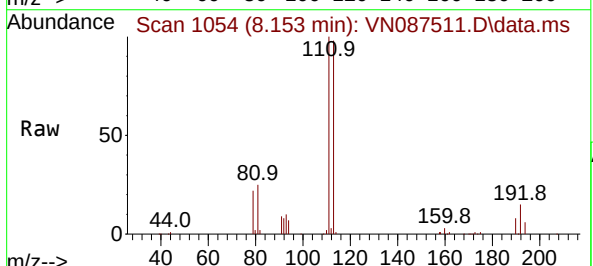
RT: 8.153 min Scan# 1054

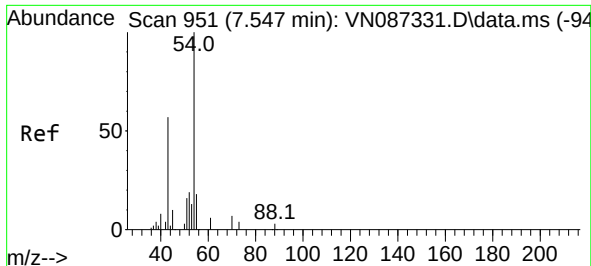
Delta R.T. 0.006 min

Lab File: VN087511.D

Acq: 12 Aug 2025 14:02

Tgt Ion:	113	Resp:	188060
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.5	123.7
192	15.5	13.7	20.5





#37

Ethyl Acetate

Concen: 4.711 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087511.D

Acq: 12 Aug 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

TP-9

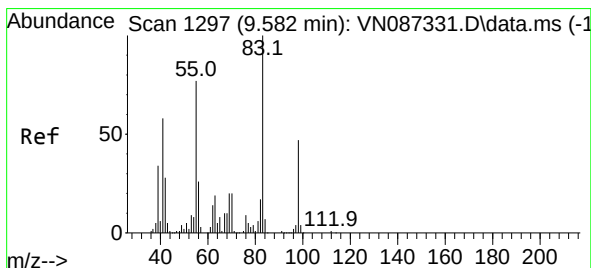
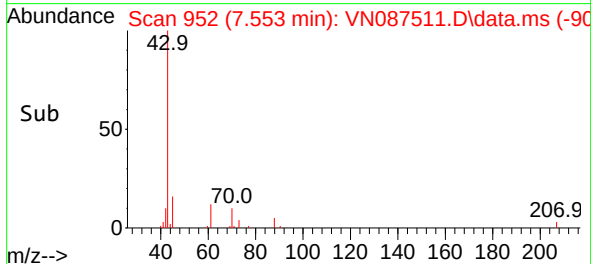
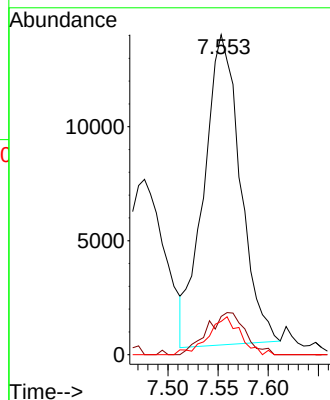
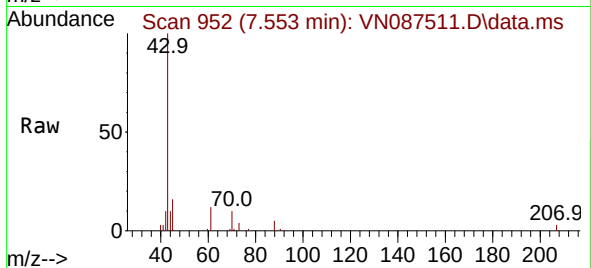
Tgt Ion:	43	Resp:	34409
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.8	7.4	11.0

Manual Integrations

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Reviewed By :John Carlone 08/13/2025

Supervised By :Mahesh Dadoda 08/14/2025



#39

Methylcyclohexane

Concen: 1.584 ug/l

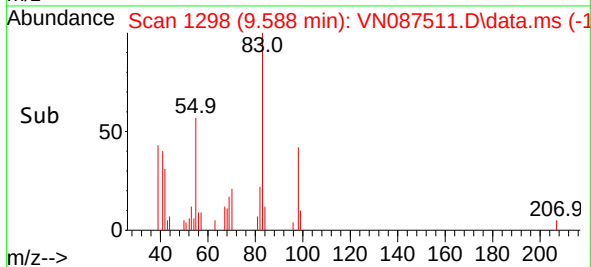
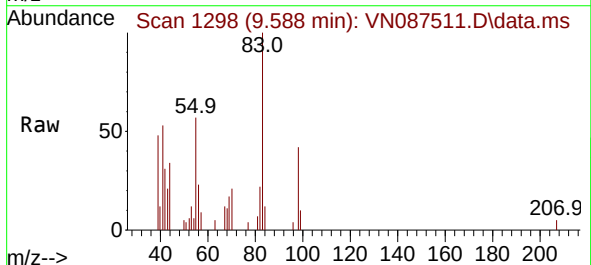
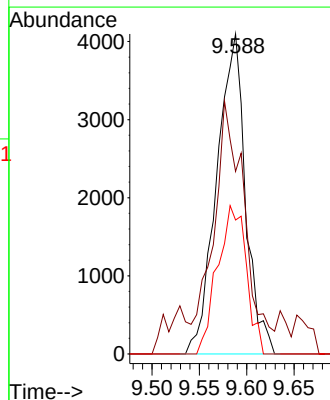
RT: 9.588 min Scan# 1298

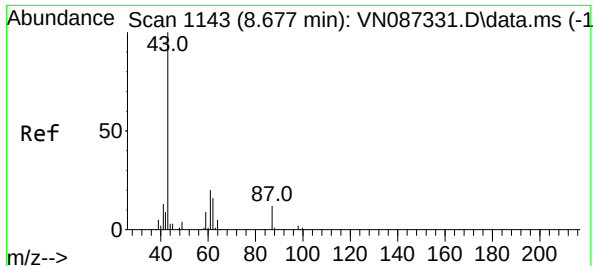
Delta R.T. 0.006 min

Lab File: VN087511.D

Acq: 12 Aug 2025 14:02

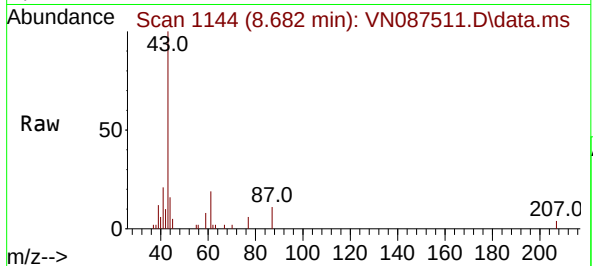
Tgt Ion:	83	Resp:	8674
Ion	Ratio	Lower	Upper
83	100		
55	43.5	61.3	91.9#
98	41.9	37.9	56.9





#43
Isopropyl Acetate
Concen: 2.124 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

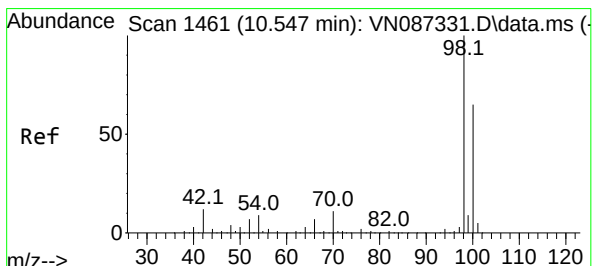
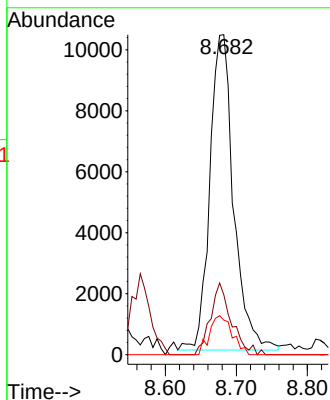
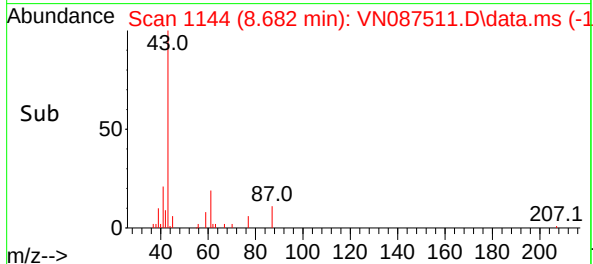
Instrument :
MSVOA_N
ClientSampleId :
TP-9



Tgt Ion: 43 Resp: 24084
Ion Ratio Lower Upper
43 100
61 20.0 19.8 29.8
87 11.7 9.8 14.6

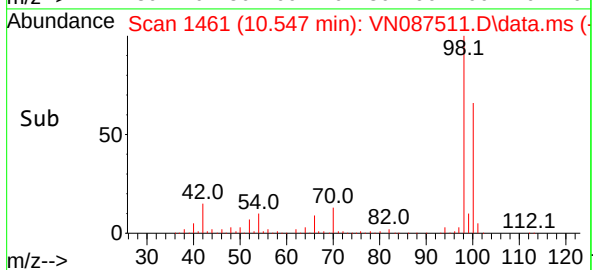
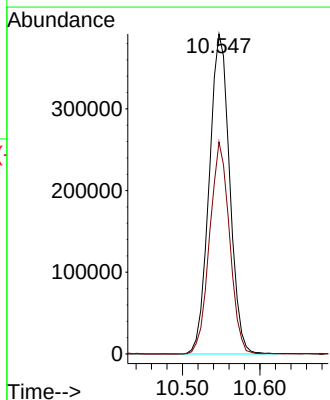
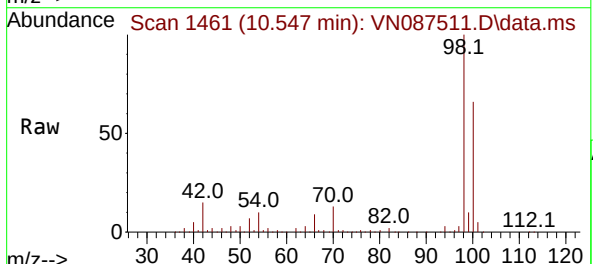
Manual Integrations
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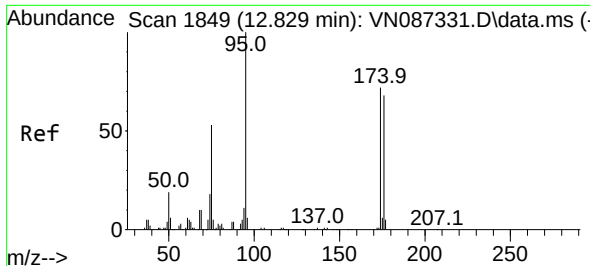
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#50
Toluene-d8
Concen: 52.606 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

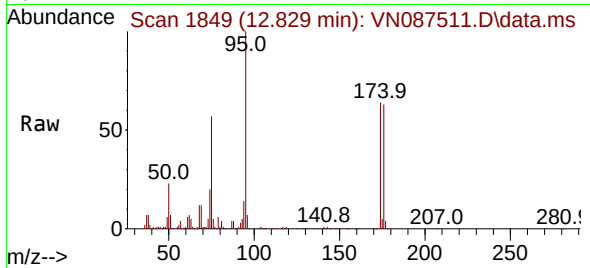
Tgt Ion: 98 Resp: 718328
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1





#62
4-Bromofluorobenzene
Concen: 52.225 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

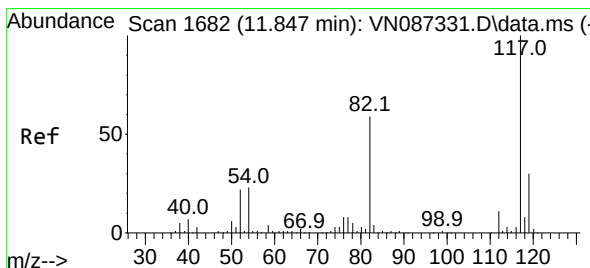
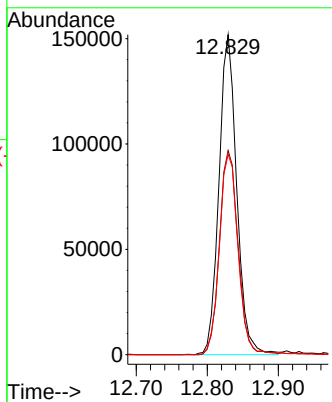
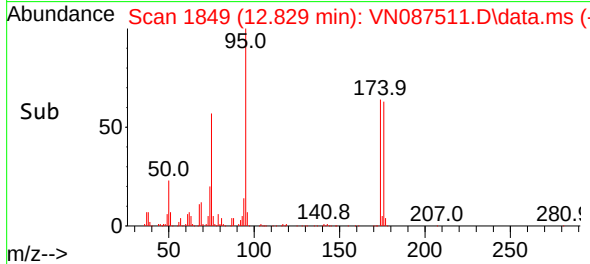
Instrument :
MSVOA_N
ClientSampleId :
TP-9



Tgt Ion: 95 Resp: 263463
Ion Ratio Lower Upper
95 100
174 66.9 0.0 149.4
176 65.9 0.0 141.2

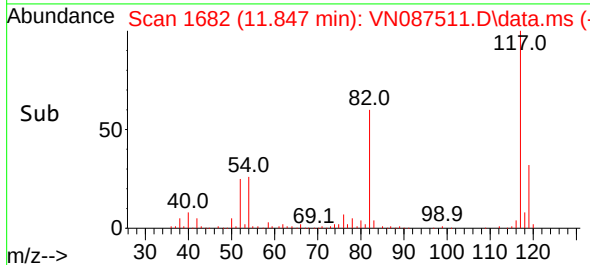
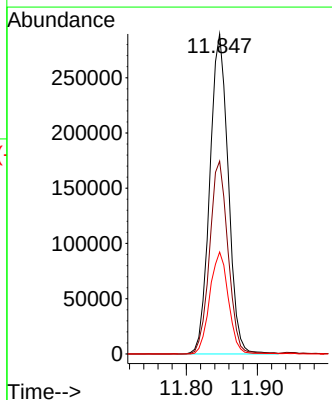
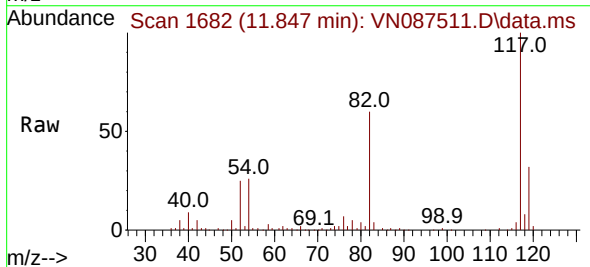
Manual Integrations
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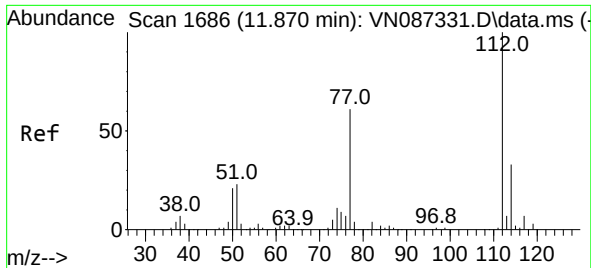
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

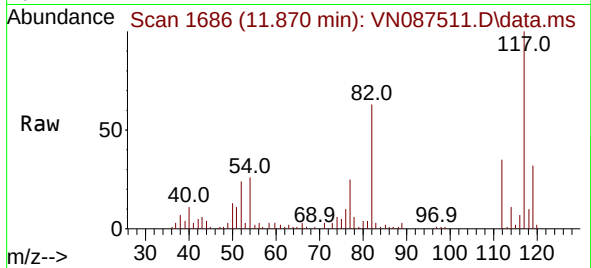
Tgt Ion:117 Resp: 520984
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.8 23.8 35.8





#65
Chlorobenzene
Concen: 1.887 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02

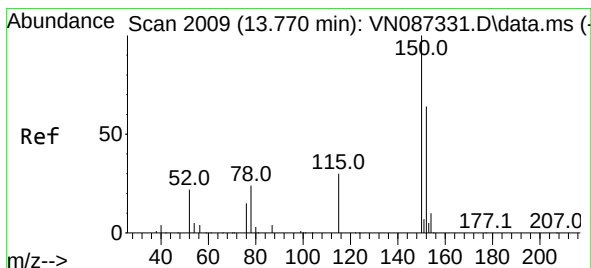
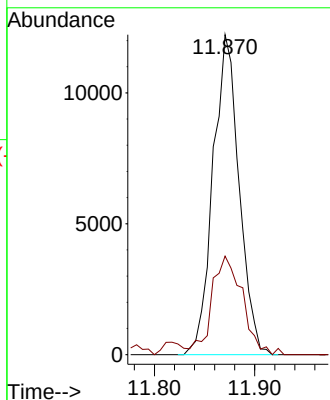
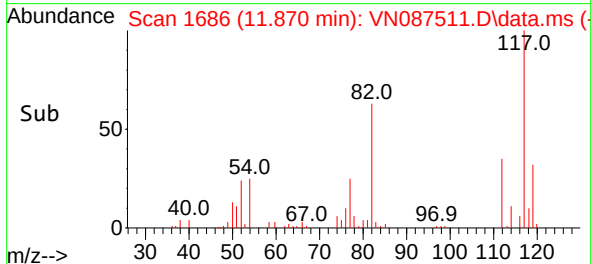
Instrument :
MSVOA_N
ClientSampleId :
TP-9



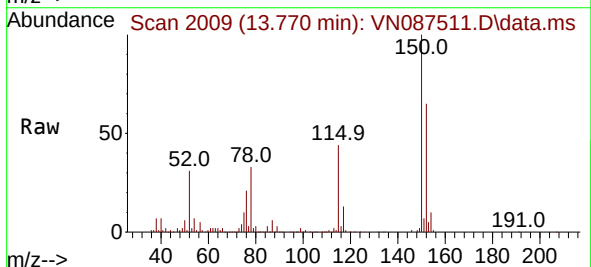
Tgt Ion:112 Resp: 2207
Ion Ratio Lower Upper
112 100
114 28.8 26.5 39.7

Manual Integrations
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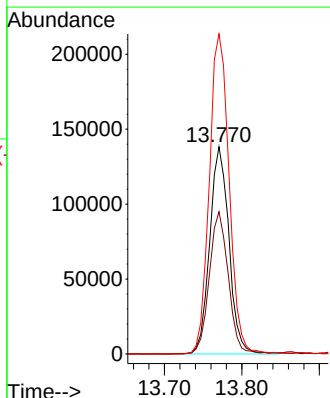
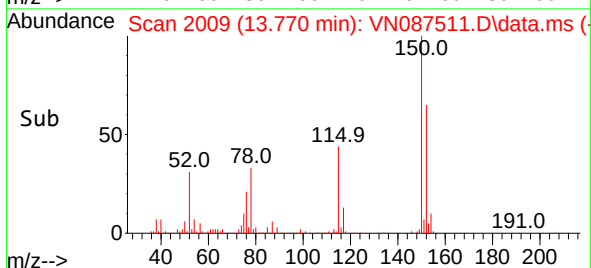
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

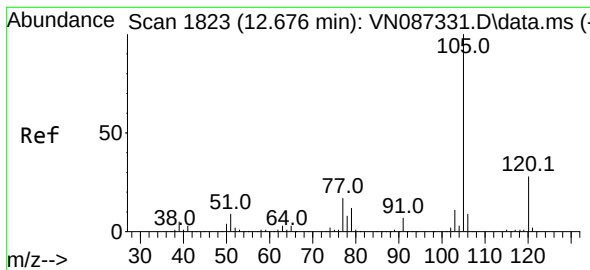


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087511.D
Acq: 12 Aug 2025 14:02



Tgt Ion:152 Resp: 239503
Ion Ratio Lower Upper
152 100
115 67.8 31.1 93.5
150 158.9 0.0 349.0





#73

Isopropylbenzene

Concen: 6.531 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.000 min

Lab File: VN087511.D

Acq: 12 Aug 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

TP-9

Tgt Ion:105 Resp: 9844

Ion Ratio Lower Upper

105 100

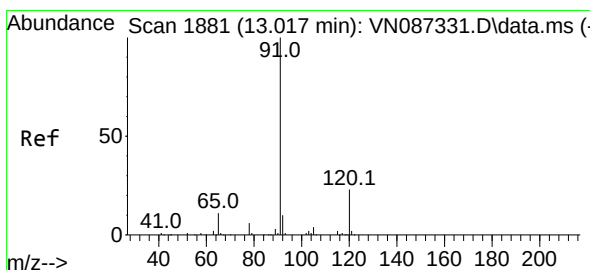
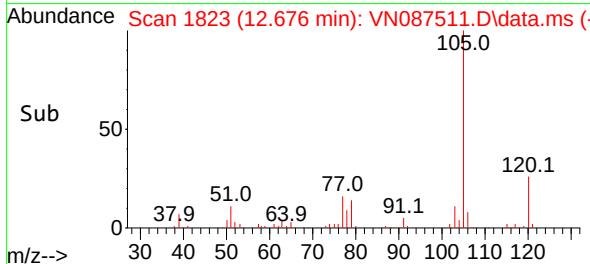
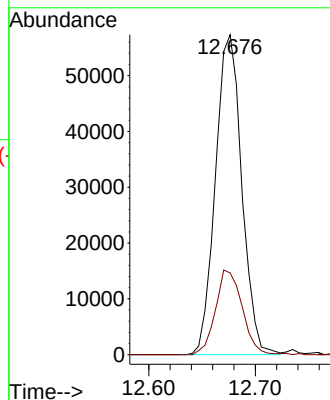
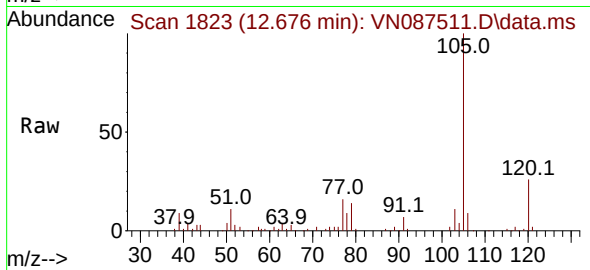
120 26.9 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/13/2025

Supervised By :Mahesh Dadoda 08/14/2025



#78

n-propylbenzene

Concen: 4.422 ug/l

RT: 13.017 min Scan# 1881

Delta R.T. 0.000 min

Lab File: VN087511.D

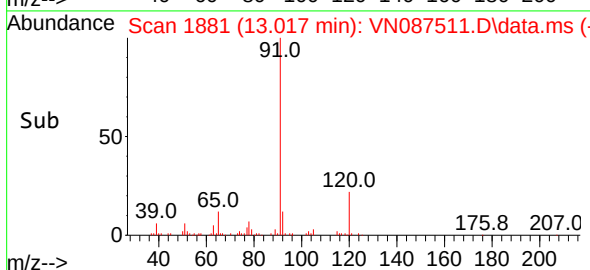
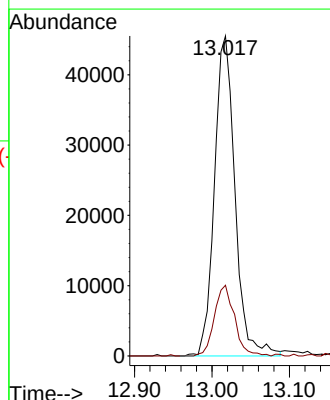
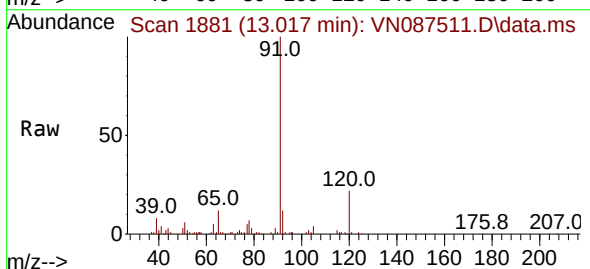
Acq: 12 Aug 2025 14:02

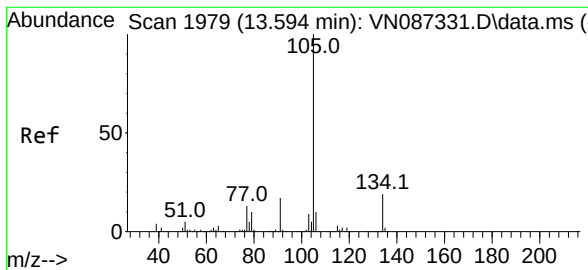
Tgt Ion: 91 Resp: 83858

Ion Ratio Lower Upper

91 100

120 21.7 11.3 33.8





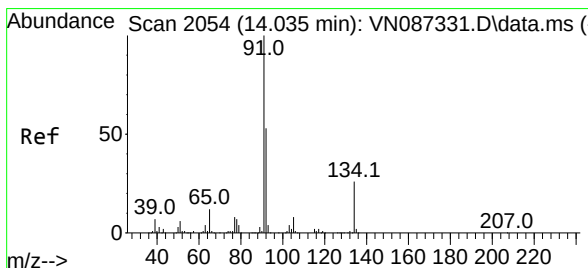
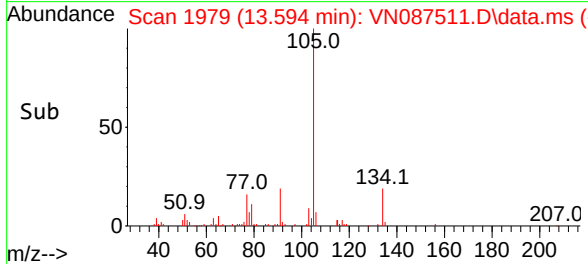
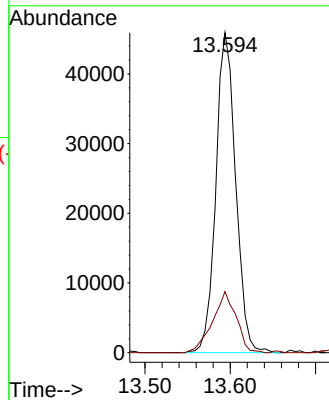
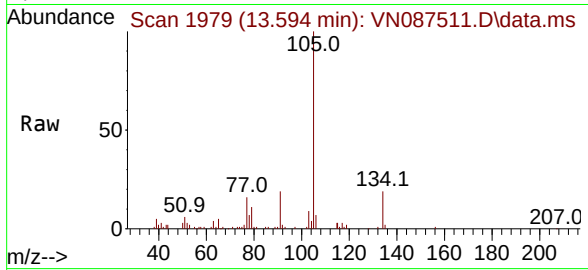
#85
 sec-Butylbenzene
 Concen: 4.580 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087511.D
 Acq: 12 Aug 2025 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Tgt Ion:105 Resp: 74000
 Ion Ratio Lower Upper
 105 100
 134 22.8 9.8 29.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/13/2025
 Supervised By :Mahesh Dadoda 08/14/2025



#89
 n-Butylbenzene
 Concen: 3.014 ug/l m
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VN087511.D
 Acq: 12 Aug 2025 14:02

Tgt Ion: 91 Resp: 37265
 Ion Ratio Lower Upper
 91 100
 92 53.9 26.2 78.6
 134 50.6 12.4 37.2#

