

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087894.D
 Acq On : 18 Sep 2025 14:48
 Operator : JC\MD
 Sample : Q3122-02
 Misc : 2.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FOTP915

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:08:56 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	193331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	394217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	353129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	232077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	168652	42.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.160%		
35) Dibromofluoromethane	8.153	113	141567	49.738	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.480%		
50) Toluene-d8	10.547	98	489245	45.926	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.860%		
62) 4-Bromofluorobenzene	12.829	95	215610	56.911	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	113.820%		
Target Compounds					Qvalue	
16) Acetone	4.442	43	292292	135.552	ug/l	97
51) 4-Methyl-2-Pentanone	10.435	43	1449421	257.882	ug/l	98
52) Toluene	10.612	92	139154	16.760	ug/l	97
67) Ethyl Benzene	11.929	91	28787055m	1892.506	ug/l	
68) m/p-Xylenes	12.035	106	38802256m	6955.592	ug/l	
69) o-Xylene	12.371	106	28649654m	5240.489	ug/l	
73) Isopropylbenzene	12.676	105	1180378	62.942	ug/l	99
78) n-propylbenzene	13.018	91	411555	17.817	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	904283	56.841	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	2371598	148.917	ug/l	98
85) sec-Butylbenzene	13.594	105	82250	4.181	ug/l #	59
86) p-Isopropyltoluene	13.706	119	79071	4.867	ug/l	96
89) n-Butylbenzene	14.035	91	69948	4.335	ug/l #	79
95) Naphthalene	15.612	128	610398	34.740	ug/l	99

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

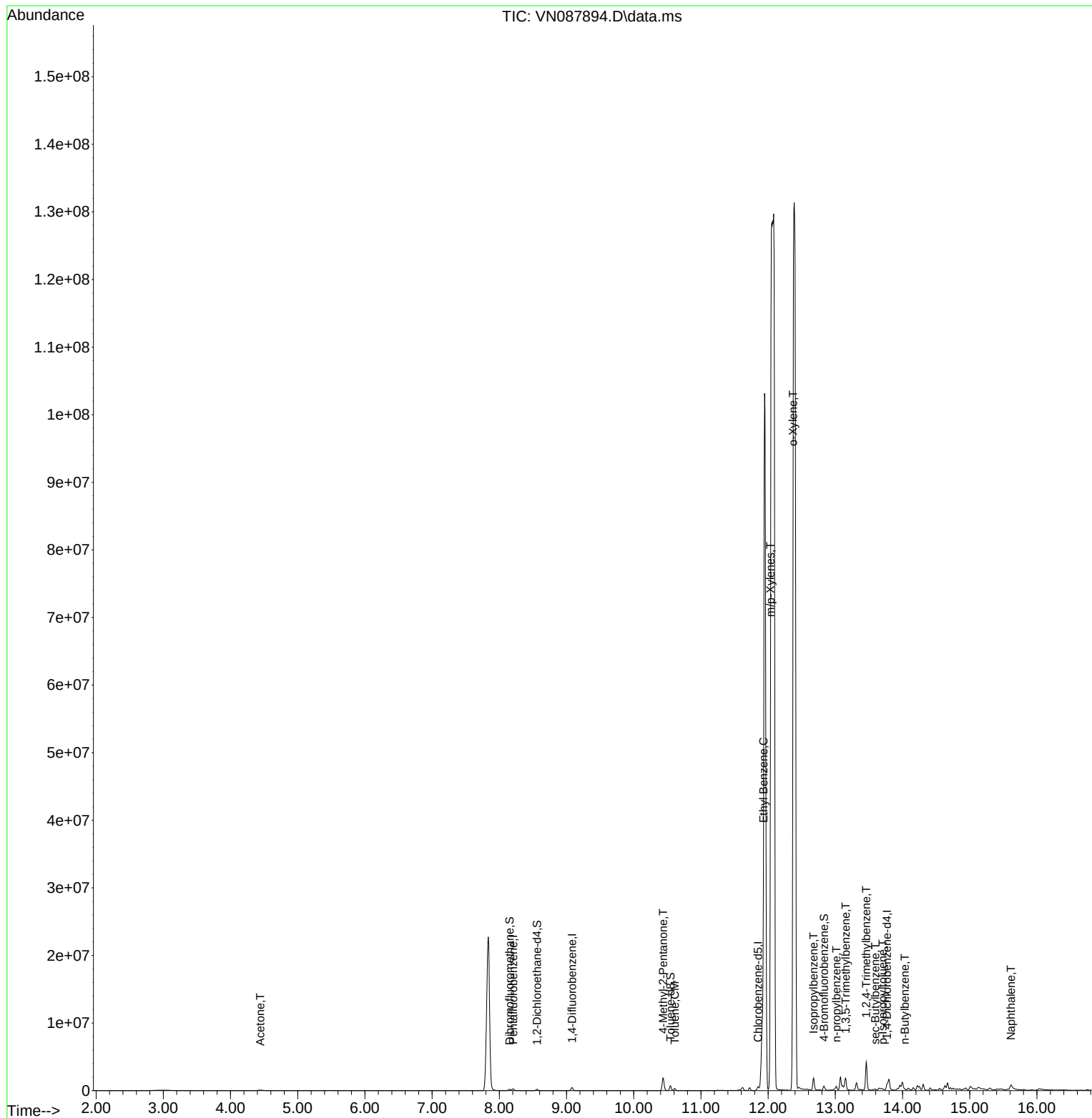
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
Data File : VN087894.D
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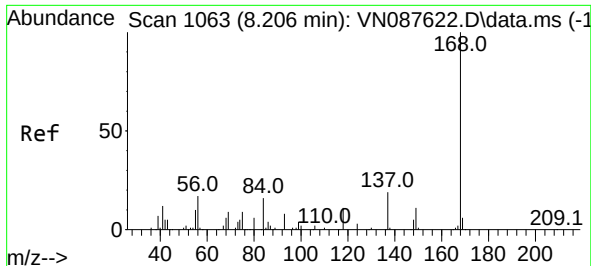
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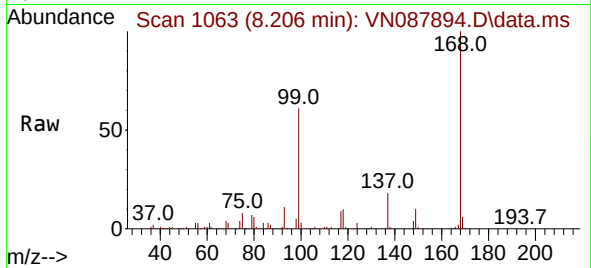
Quant Time: Sep 19 03:08:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

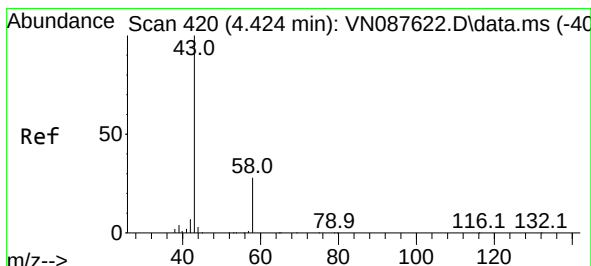
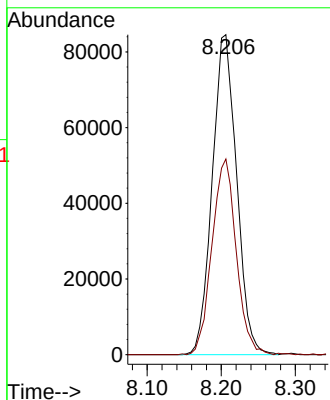
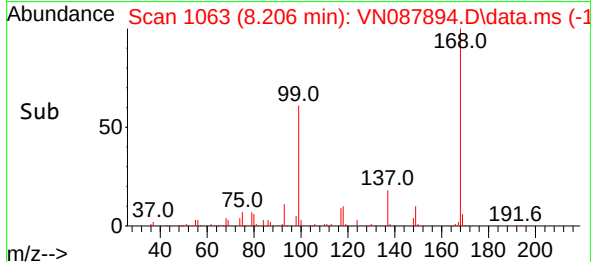
Instrument :
MSVOA_N
ClientSampleId :
FOTP915



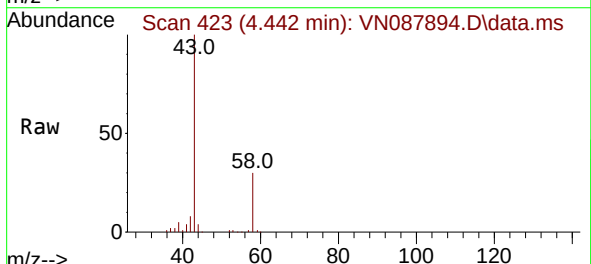
Tgt Ion:168 Resp: 19333
Ion Ratio Lower Upper
168 100
99 61.2 57.2 85.8

Manual Integrations
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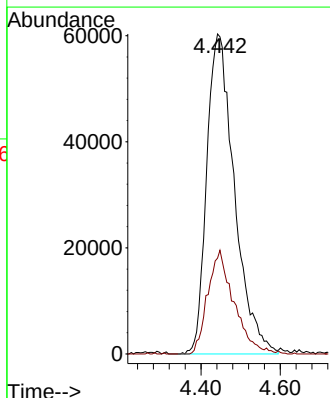
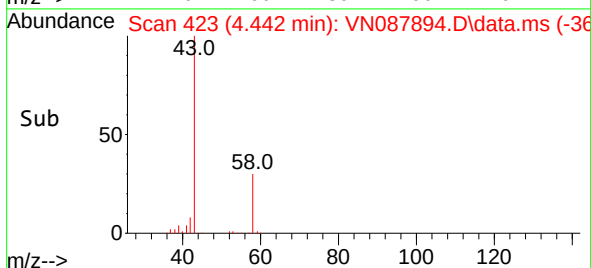
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

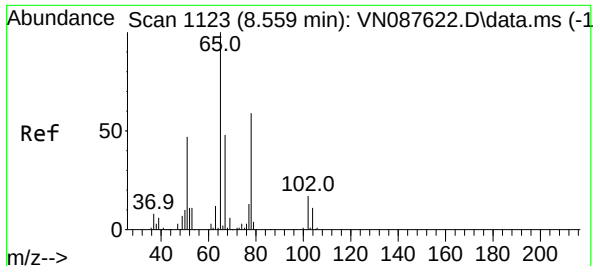


#16
Acetone
Concen: 135.552 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48



Tgt Ion: 43 Resp: 292292
Ion Ratio Lower Upper
43 100
58 29.9 22.6 33.8





#33

1,2-Dichloroethane-d4

Concen: 42.577 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

FOTP915

Tgt Ion: 65 Resp: 16865

Ion Ratio Lower Upper

65 100

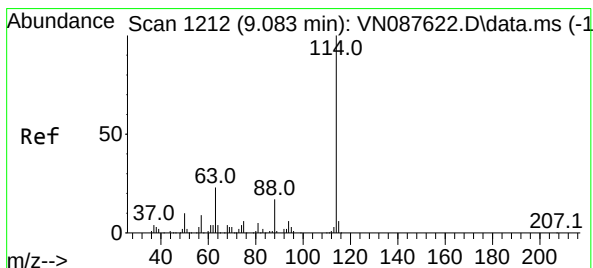
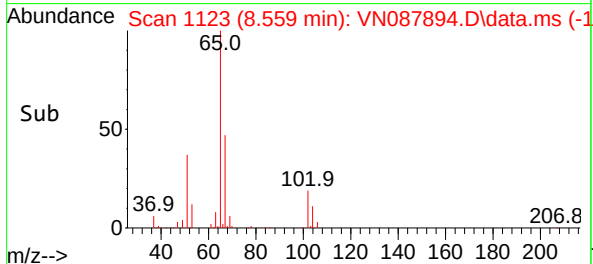
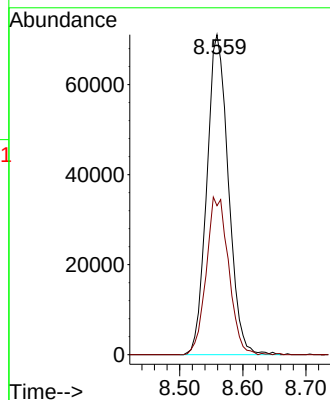
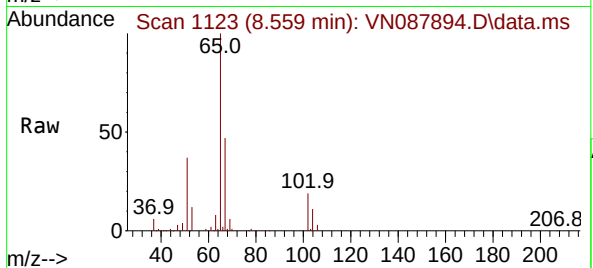
67 51.2 0.0 100.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

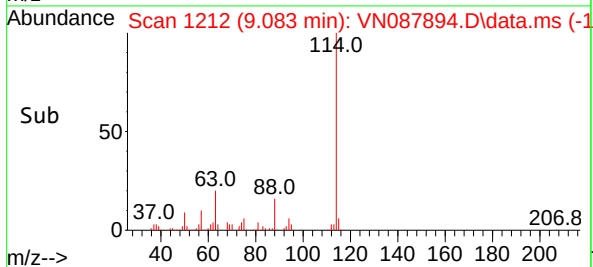
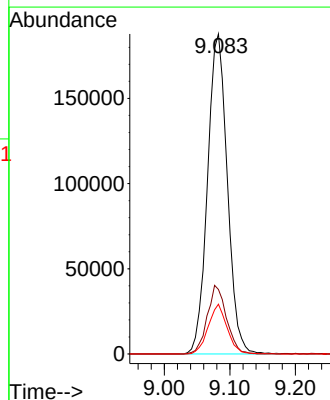
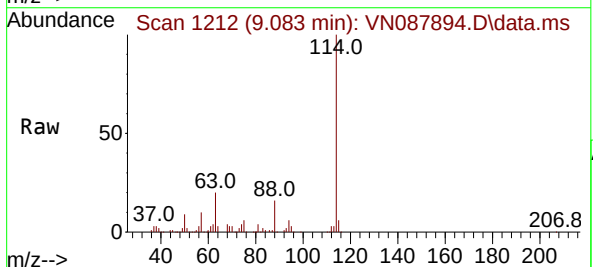
Tgt Ion:114 Resp: 394217

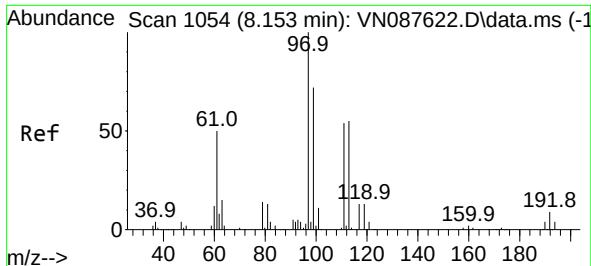
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.2

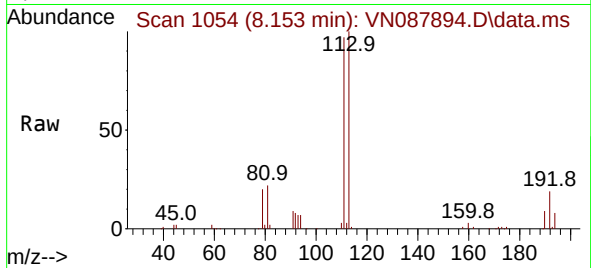
88 15.5 0.0 33.4





#35
Dibromofluoromethane
Concen: 49.738 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

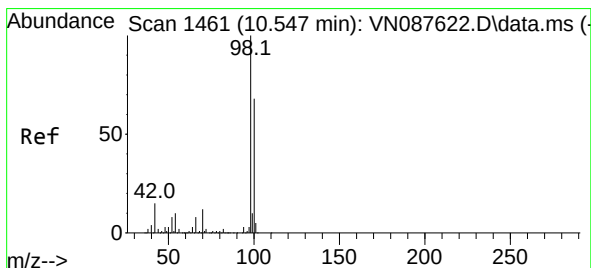
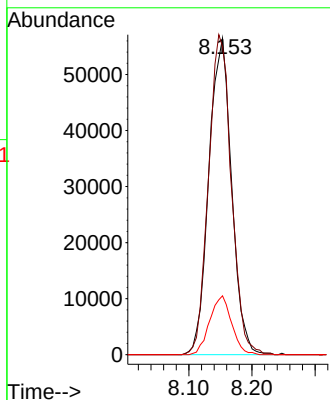
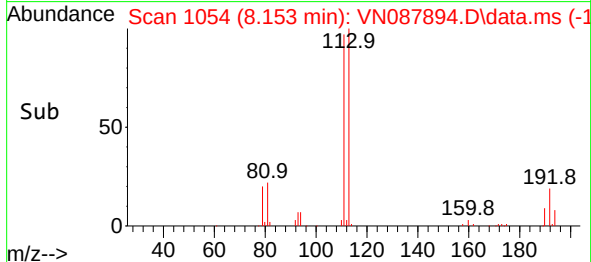
Instrument :
MSVOA_N
ClientSampleId :
FOTP915



Tgt Ion: 113 Resp: 14156
Ion Ratio Lower Upper
113 100
111 101.3 82.8 124.2
192 17.9 12.8 19.2

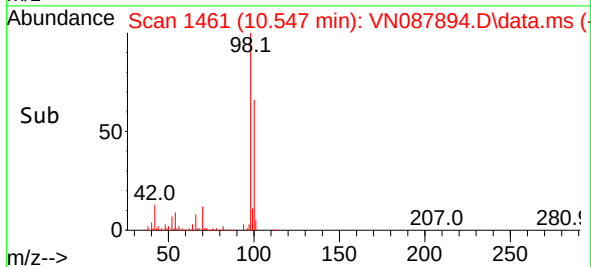
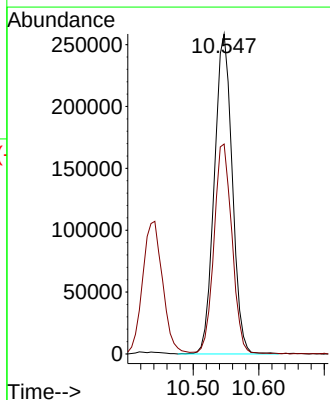
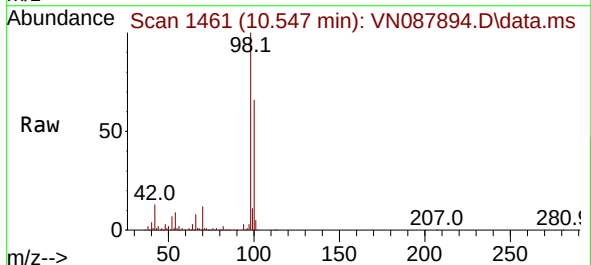
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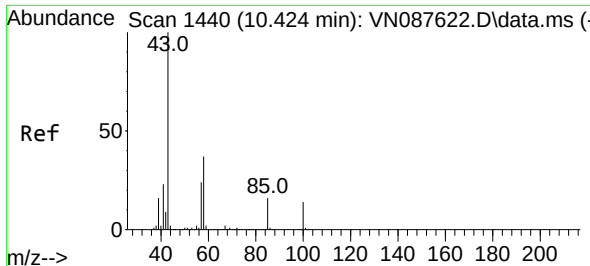
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#50
Toluene-d8
Concen: 45.926 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 98 Resp: 489245
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2





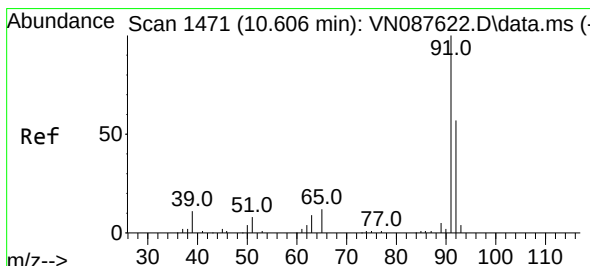
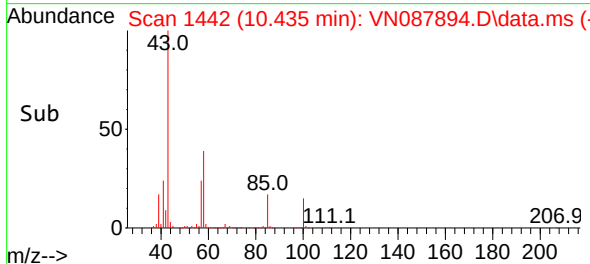
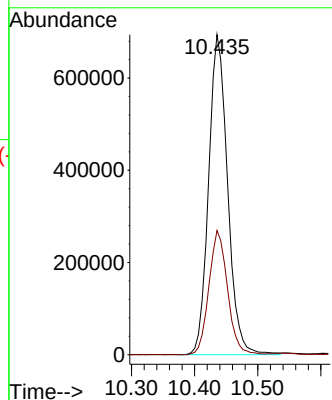
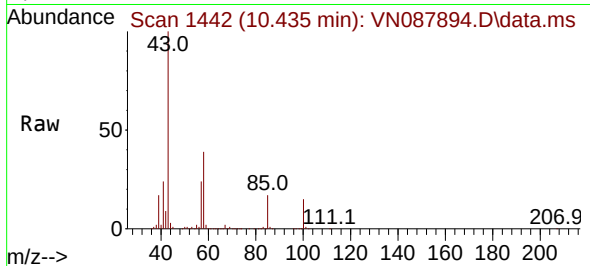
#51
4-Methyl-2-Pentanone
Concen: 257.882 ug/l
RT: 10.435 min Scan# 1440
Delta R.T. 0.012 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
FOTP915

Tgt Ion: 43 Resp: 144942
Ion Ratio Lower Upper
43 100
58 38.1 29.6 44.4

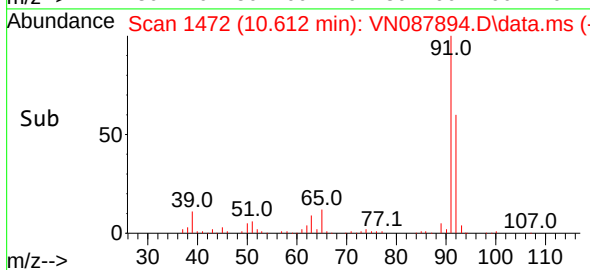
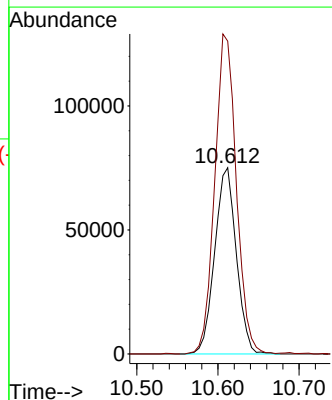
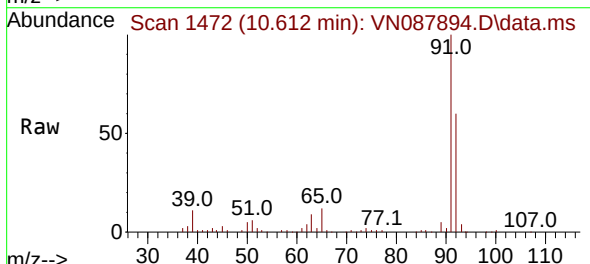
Manual Integrations
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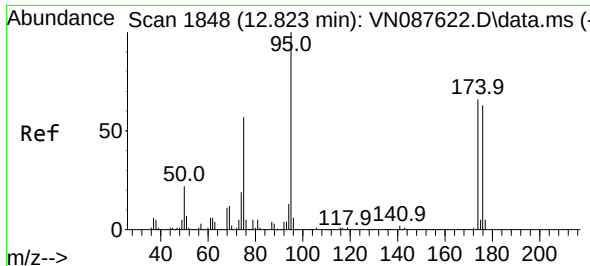
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#52
Toluene
Concen: 16.760 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 92 Resp: 139154
Ion Ratio Lower Upper
92 100
91 171.4 140.4 210.6





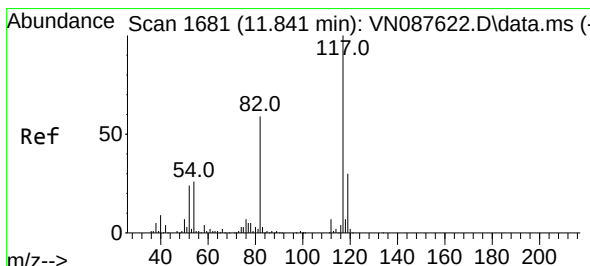
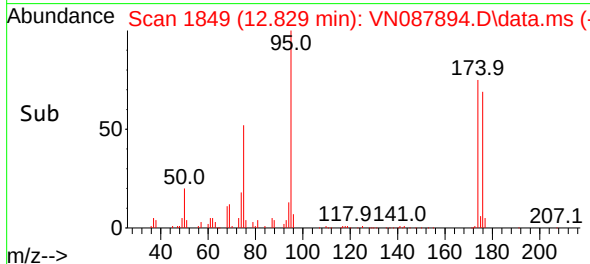
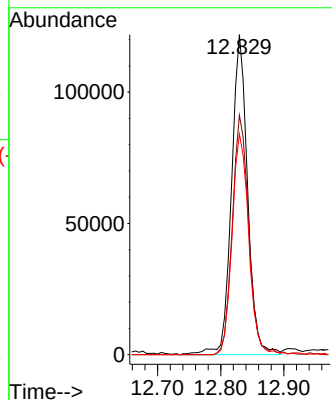
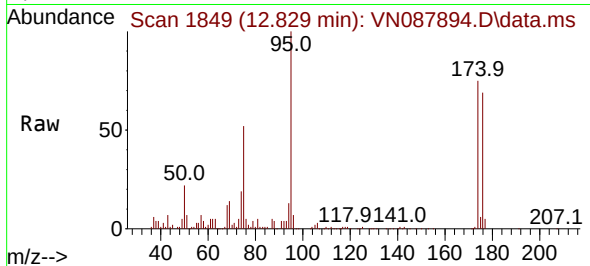
#62
4-Bromofluorobenzene
Concen: 56.911 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
FOTP915

Tgt Ion: 95 Resp: 215610
Ion Ratio Lower Upper
95 100
174 76.7 0.0 138.4
176 71.2 0.0 132.6

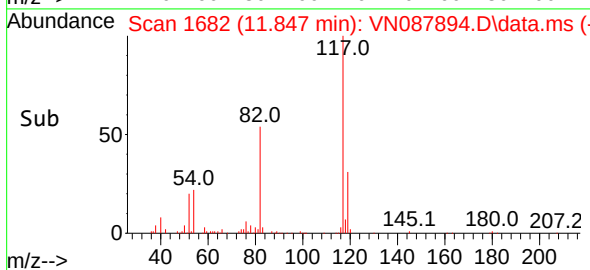
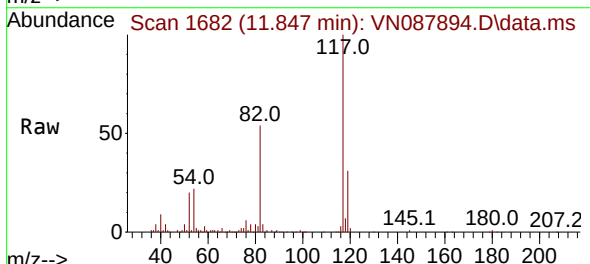
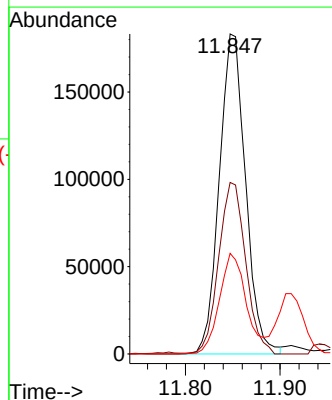
Manual Integrations
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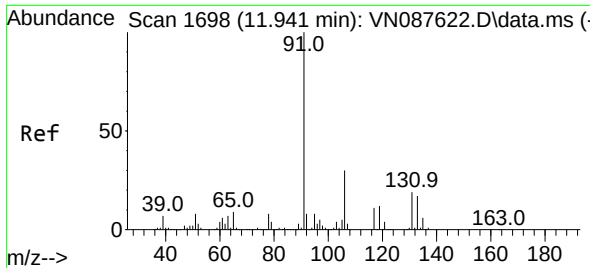
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

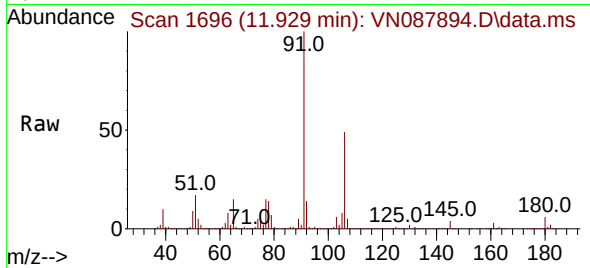
Tgt Ion:117 Resp: 353129
Ion Ratio Lower Upper
117 100
82 53.6 47.4 71.2
119 31.5 24.3 36.5





#67
Ethyl Benzene
Concen: 1892.506 ug/l m
RT: 11.929 min Scan# 1696
Delta R.T. -0.012 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

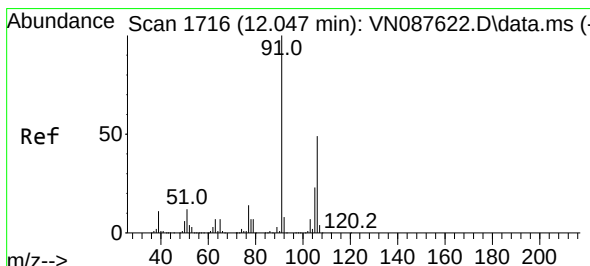
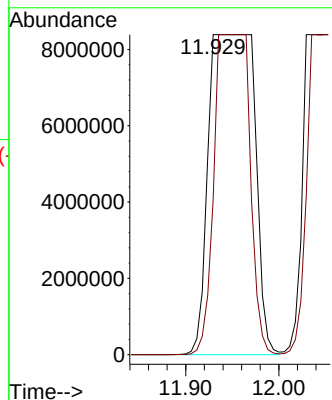
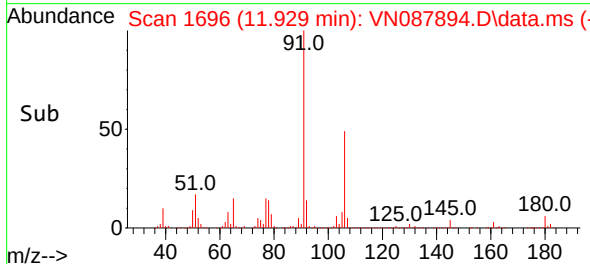
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FOTP915



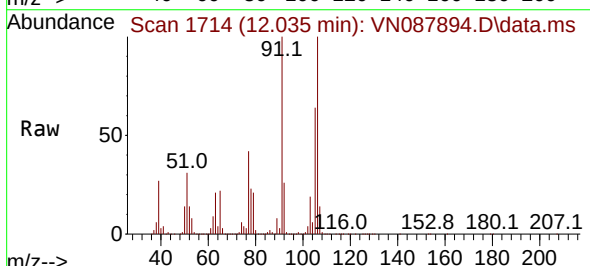
Tgt Ion: 91 Resp:2878705
Ion Ratio Lower Upper
91 100
106 48.5 24.1 36.1

Manual Integrations
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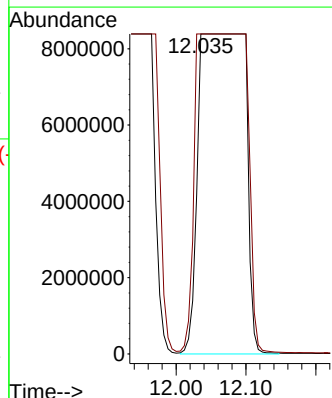
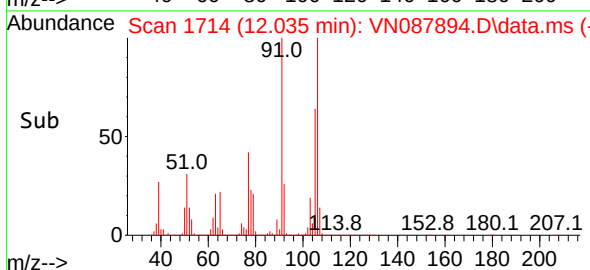
Reviewed By :John Carlone 09/19/2025
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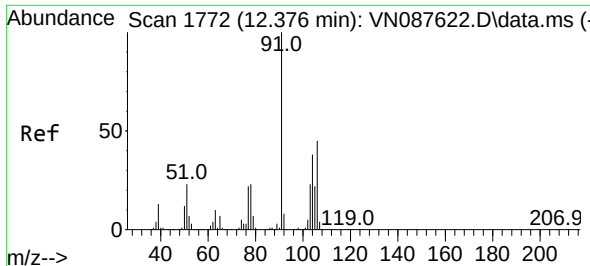


#68
m/p-Xylenes
Concen: 6955.592 ug/l m
RT: 12.035 min Scan# 1714
Delta R.T. -0.012 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48



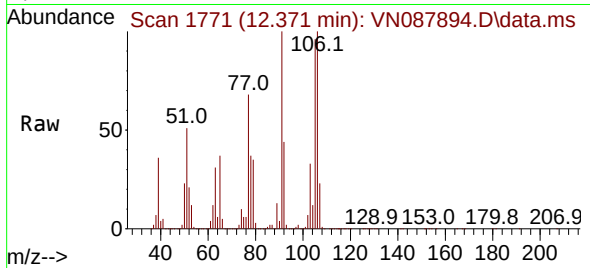
Tgt Ion:106 Resp:38802256
Ion Ratio Lower Upper
106 100
91 0.0 169.3 253.9





#69
o-Xylene
Concen: 5240.489 ug/l m
RT: 12.371 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

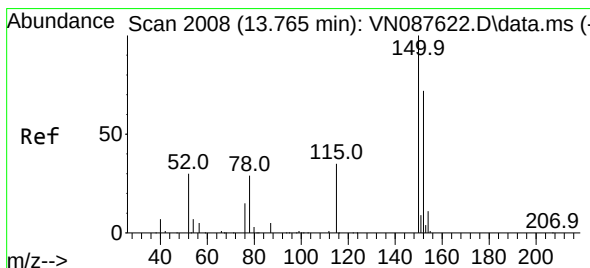
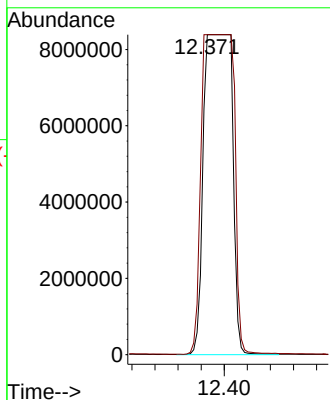
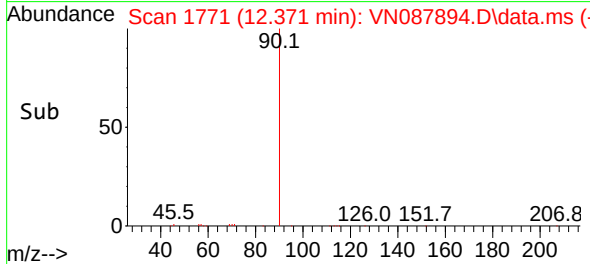
Instrument :
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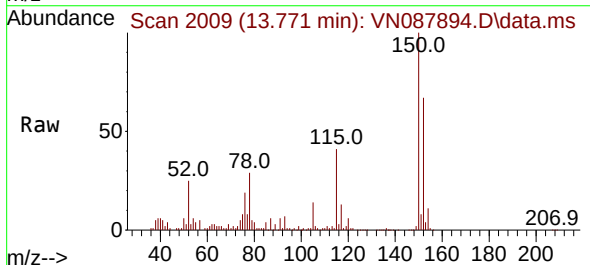
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Ion Ratio Lower Upper
106 100
91 0.0 111.4 334.2

Manual Integrations
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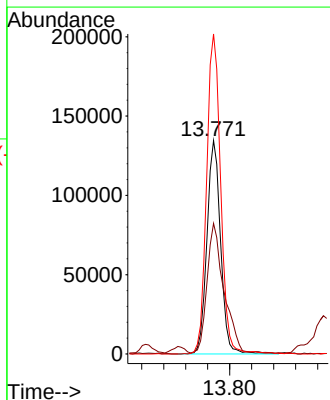
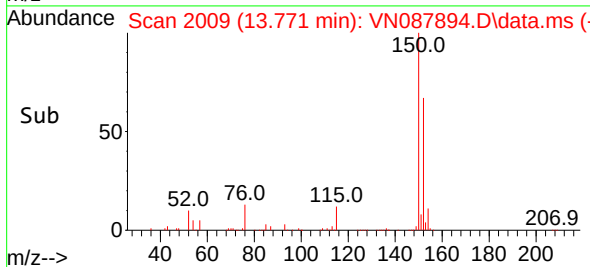
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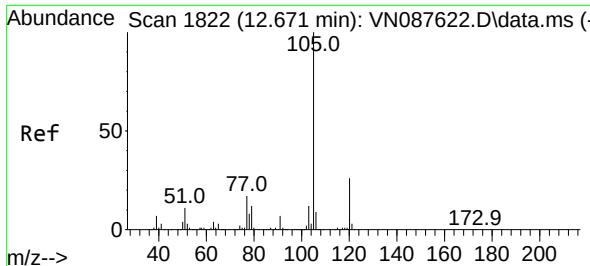


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48



Tgt Ion:152 Resp: 232077
Ion Ratio Lower Upper
152 100
115 74.7 32.3 96.8
150 154.0 0.0 351.0





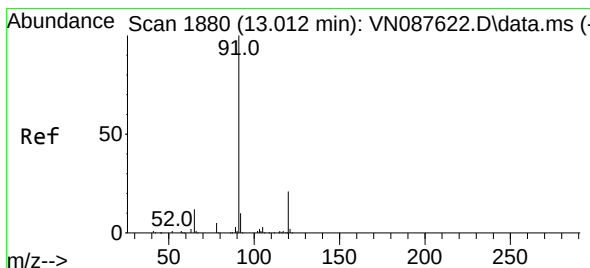
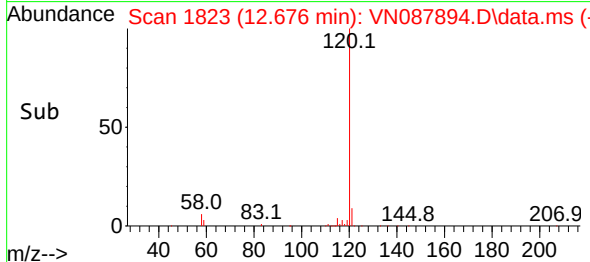
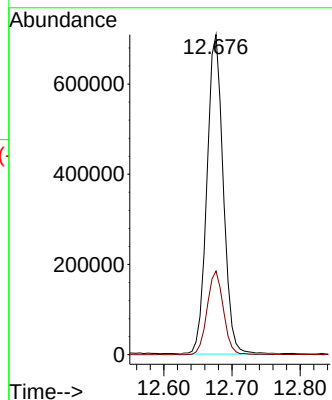
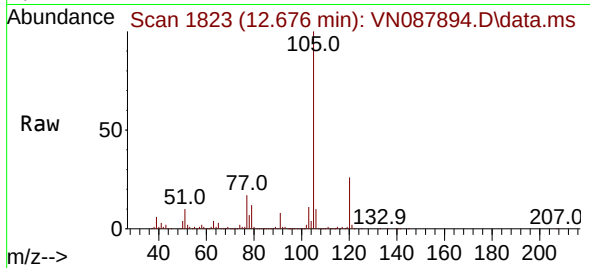
#73
Isopropylbenzene
Concen: 62.942 ug/l
RT: 12.676 min Scan# 1180378
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
FOTP915

Tgt Ion:105 Resp: 1180378
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3

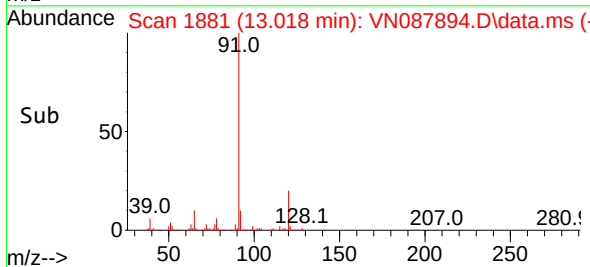
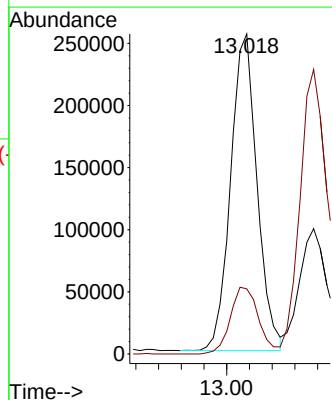
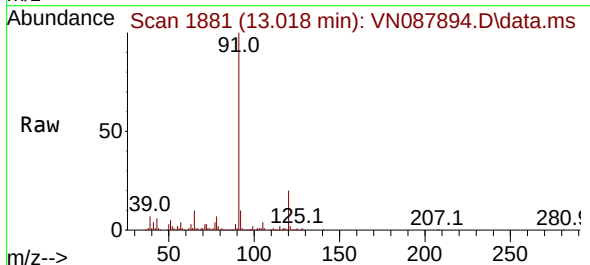
Manual Integrations
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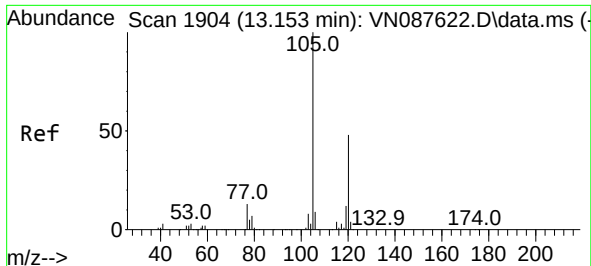
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#78
n-propylbenzene
Concen: 17.817 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 91 Resp: 411555
Ion Ratio Lower Upper
91 100
120 22.7 10.7 32.1





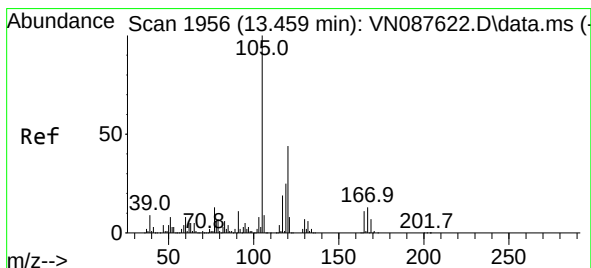
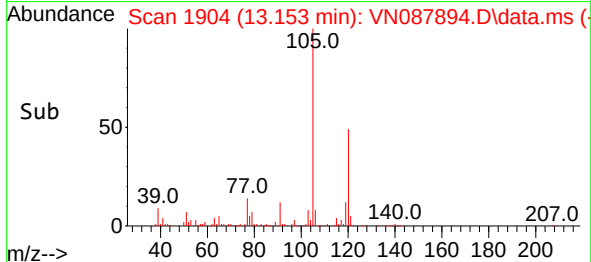
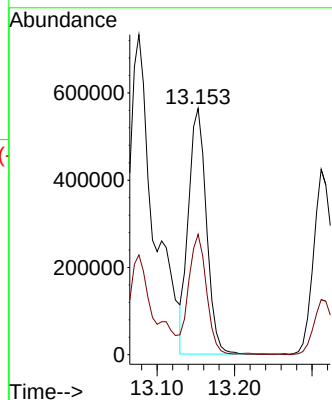
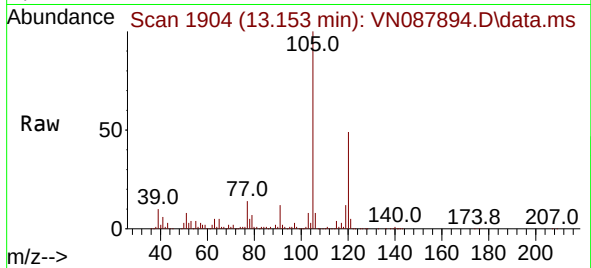
#80
1,3,5-Trimethylbenzene
Concen: 56.841 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
FOTP915

Tgt Ion:105 Resp: 904283
Ion Ratio Lower Upper
105 100
120 50.0 23.2 69.6

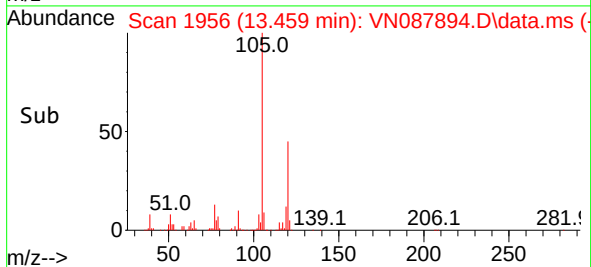
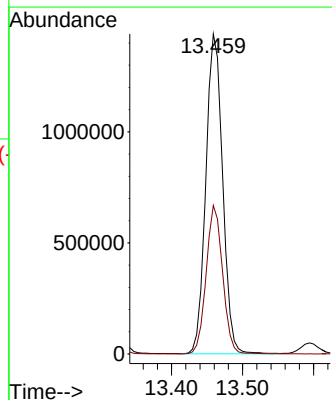
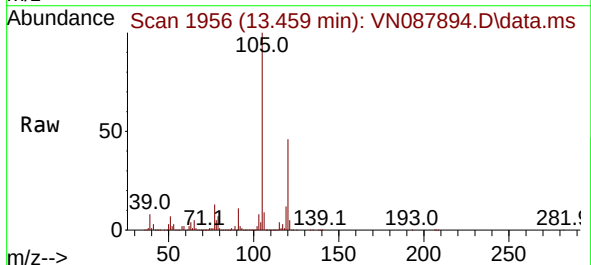
Manual Integrations
APPROVED

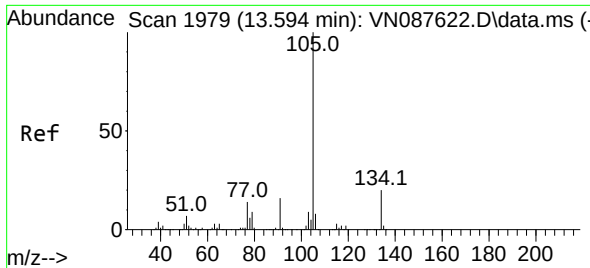
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 148.917 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion:105 Resp: 2371598
Ion Ratio Lower Upper
105 100
120 45.4 22.0 66.0





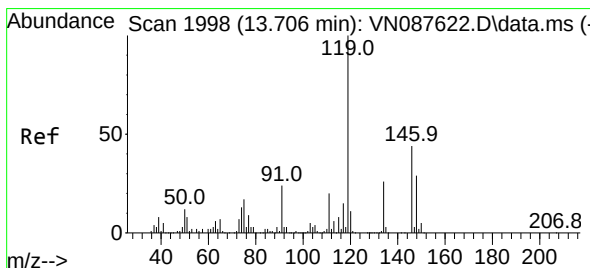
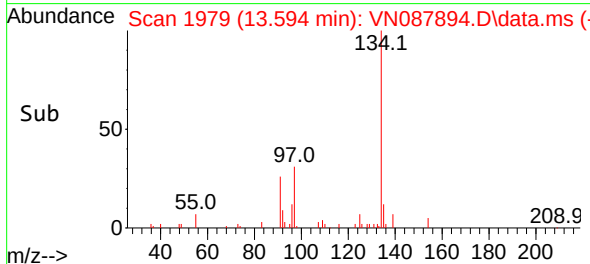
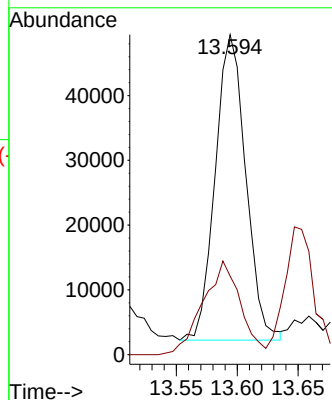
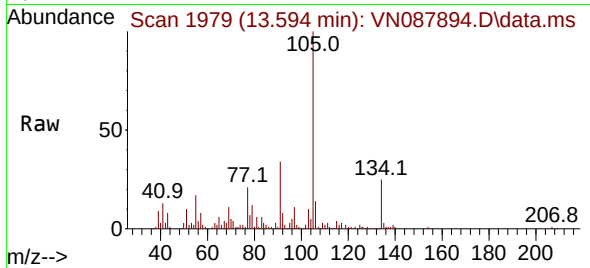
#85
 sec-Butylbenzene
 Concen: 4.181 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087894.D
 Acq: 18 Sep 2025 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 FOTP915

Tgt Ion:105 Resp: 82250
 Ion Ratio Lower Upper
 105 100
 134 37.5 9.6 28.6

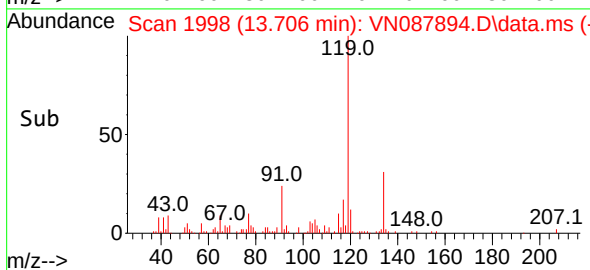
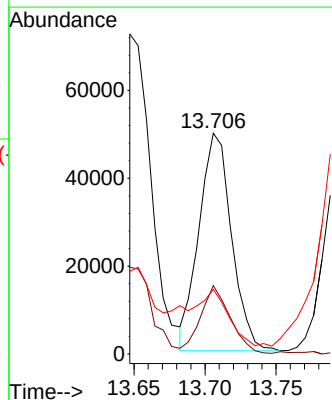
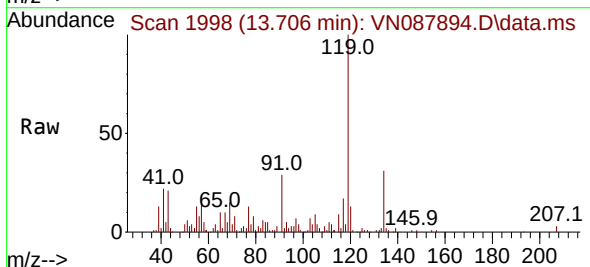
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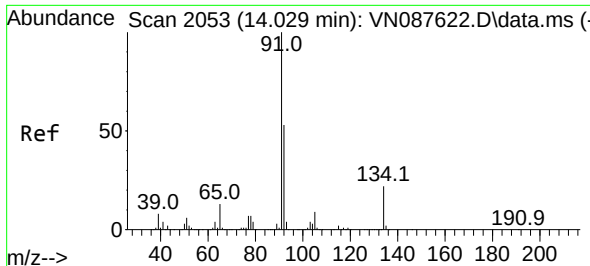
Reviewed By :John Carlone 09/19/2025
 Supervised By :Mahesh Dadoda 09/19/2025



#86
 p-Isopropyltoluene
 Concen: 4.867 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087894.D
 Acq: 18 Sep 2025 14:48

Tgt Ion:119 Resp: 79071
 Ion Ratio Lower Upper
 119 100
 134 28.1 12.7 38.0
 91 24.0 12.5 37.5





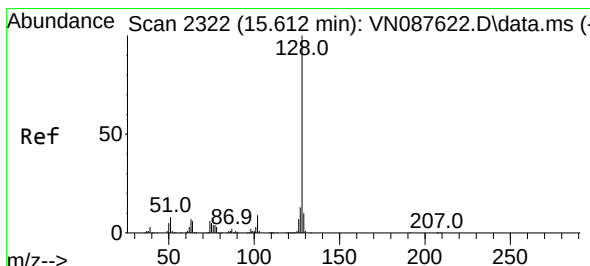
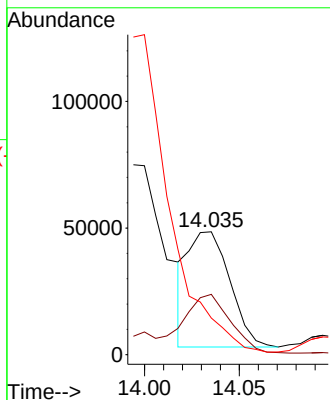
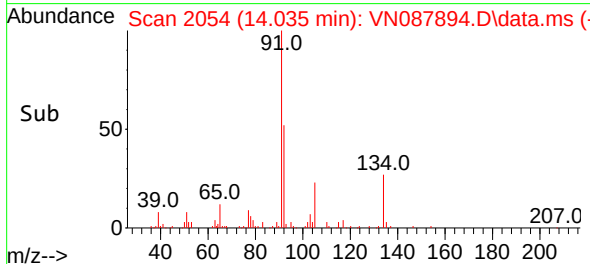
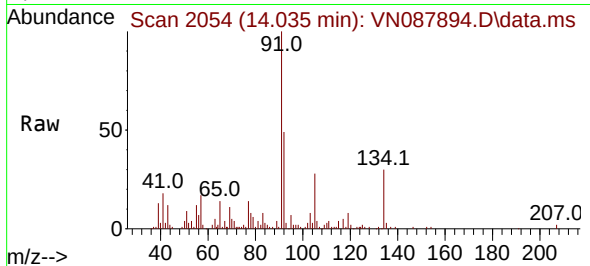
#89
n-Butylbenzene
Concen: 4.335 ug/l
RT: 14.035 min Scan# 2053
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
FOTP915

Tgt Ion: 91 Resp: 69948
Ion Ratio Lower Upper
91 100
92 58.3 25.9 77.8
134 0.0 11.7 35.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#95
Naphthalene
Concen: 34.740 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion:128 Resp: 610398
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.3 8.6 12.8

