

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085924.D
 Acq On : 10 Mar 2025 19:12
 Operator : JC\MD
 Sample : Q1525-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:42:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.871	168	204395m	50.000	ug/l	-0.35
34) 1,4-Difluorobenzene	8.859	114	365196	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.806	117	321668m	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.776	152	148874	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	134544	50.773	ug/l	-0.31
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.540%			
35) Dibromofluoromethane	7.783	113	115397	48.290	ug/l	-0.38
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.580%			
50) Toluene-d8	10.447	98	434609	49.988	ug/l	-0.11
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.824	95	152543m	53.251	ug/l	-0.02
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.500%			
Target Compounds					Qvalue	
39) Methylcyclohexane	9.394	83	39054	11.754	ug/l	96
40) Benzene	8.277	78	10070	0.929	ug/l	95
65) Chlorobenzene	11.835	112	12447	1.689	ug/l	92
67) Ethyl Benzene	11.912	91	306267	26.533	ug/l	99
68) m/p-Xylenes	12.029	106	68822	15.696	ug/l	98
69) o-Xylene	12.365	106	4643	1.114	ug/l	97
73) Isopropylbenzene	12.665	105	94886	9.303	ug/l	100
78) n-propylbenzene	13.012	91	200316	17.149	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	26128	3.145	ug/l	97
83) tert-Butylbenzene	13.424	119	10112	1.447	ug/l	92
84) 1,2,4-Trimethylbenzene	13.465	105	289235	35.187	ug/l	99
85) sec-Butylbenzene	13.600	105	18424	1.866	ug/l #	62
86) p-Isopropyltoluene	13.718	119	3869m	1.083	ug/l	
89) n-Butylbenzene	14.041	91	15308m	2.184	ug/l	
95) Naphthalene	15.635	128	47152	7.260	ug/l	97

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

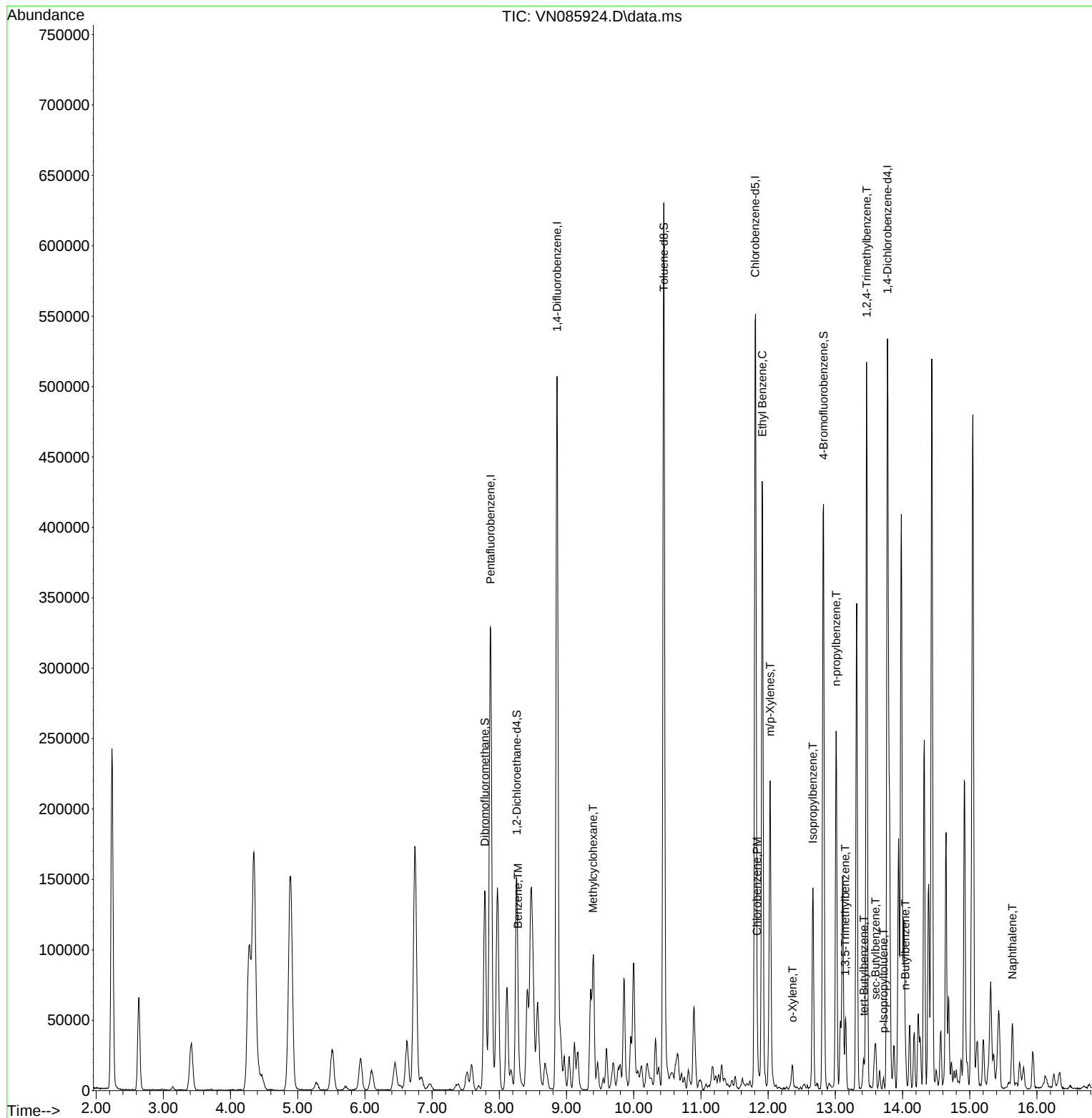
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085924.D
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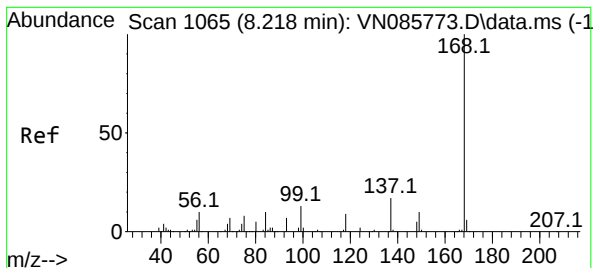
Instrument :
MSVOA_N
ClientSampleId :
MW10

Quant Time: Mar 11 01:42:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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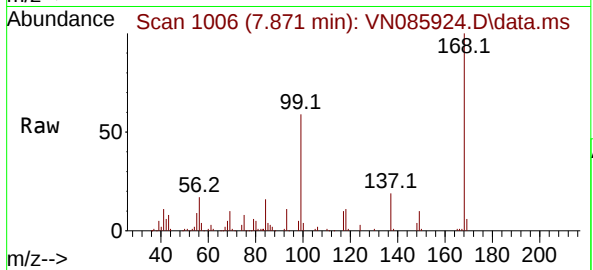
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.871 min Scan# 1072
Delta R.T. -0.347 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

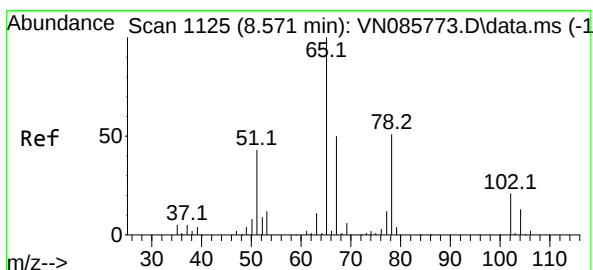
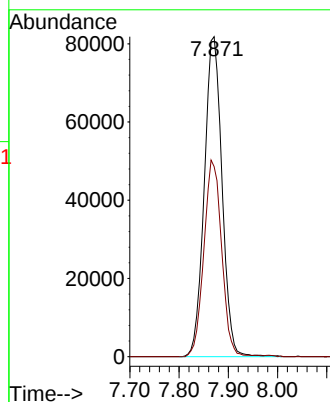
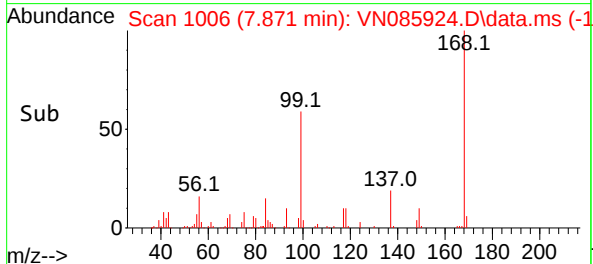
Instrument :
MSVOA_N
ClientSampleId :
MW10



Tgt Ion:168 Resp: 20439
Ion Ratio Lower Upper
168 100
99 59.4 47.9 71.9

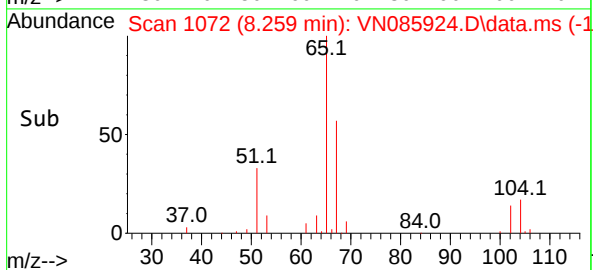
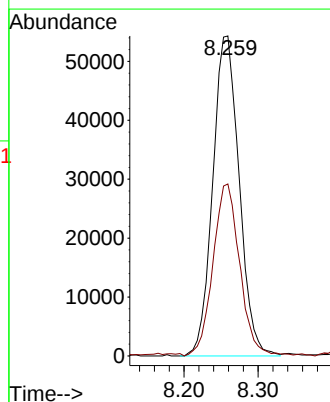
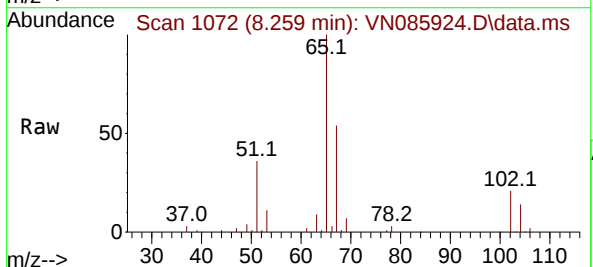
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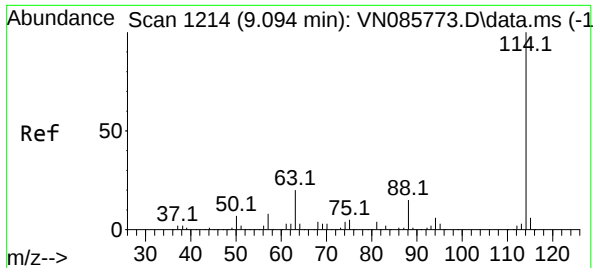
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#33
1,2-Dichloroethane-d4
Concen: 50.773 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.312 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Tgt Ion: 65 Resp: 134544
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.2





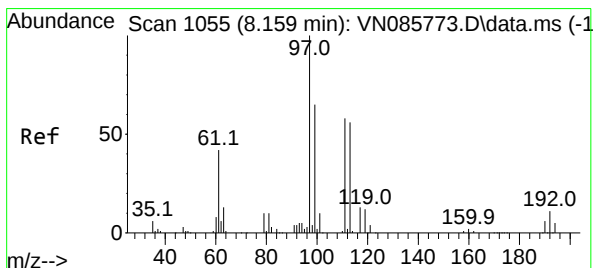
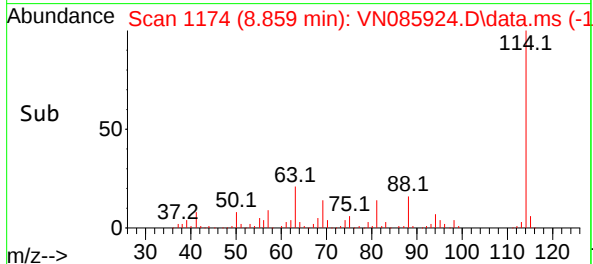
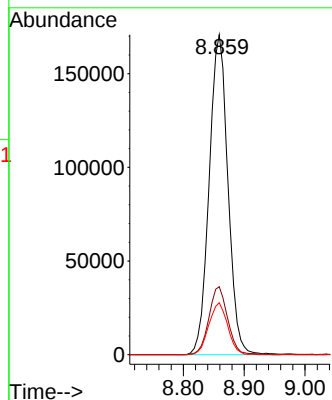
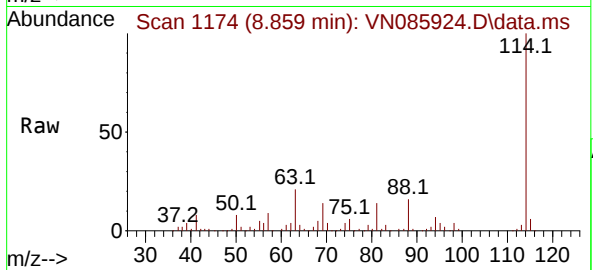
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.859 min Scan# 1174
Delta R.T. -0.235 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
MW10

Tgt Ion:114 Resp: 365190
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.2
88 16.3 0.0 30.0

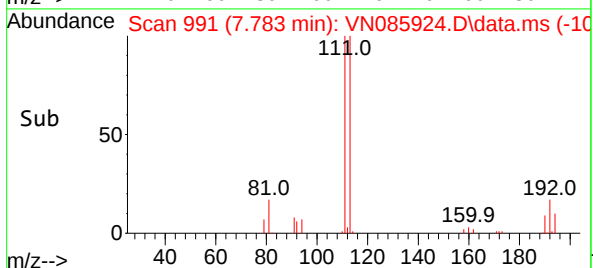
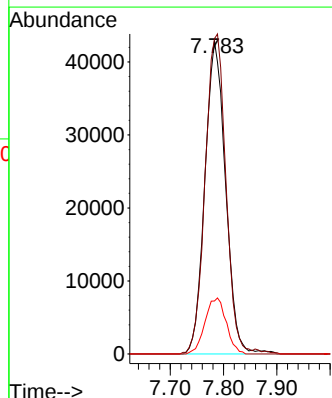
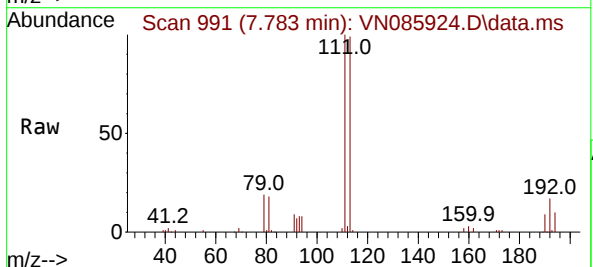
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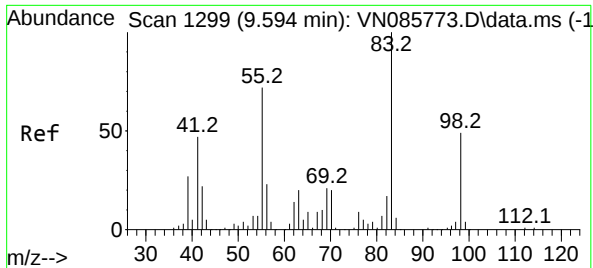
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#35
Dibromofluoromethane
Concen: 48.290 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.376 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Tgt Ion:113 Resp: 115397
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 18.3 14.7 22.1





#39

Methylcyclohexane

Concen: 11.754 ug/l

RT: 9.394 min Scan# 11

Delta R.T. -0.200 min

Lab File: VN085924.D

Acq: 10 Mar 2025 19:12

Instrument :

MSVOA_N

ClientSampleId :

MW10

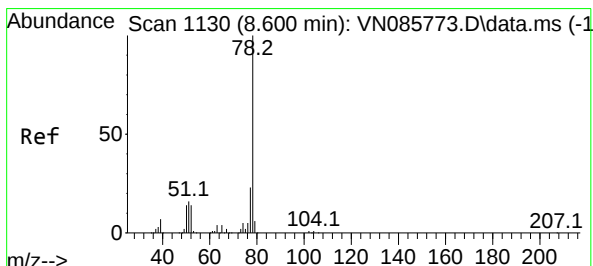
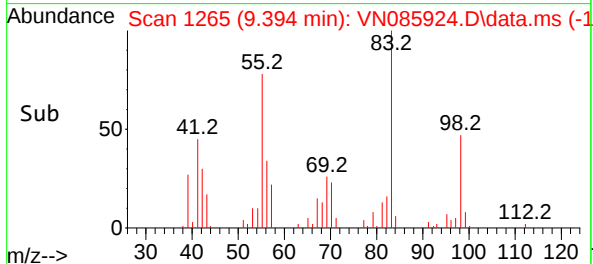
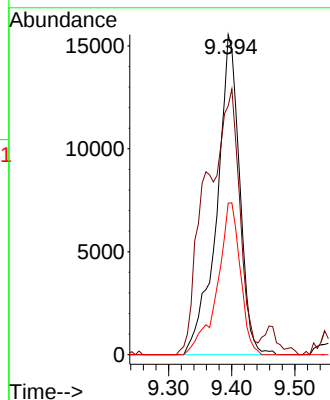
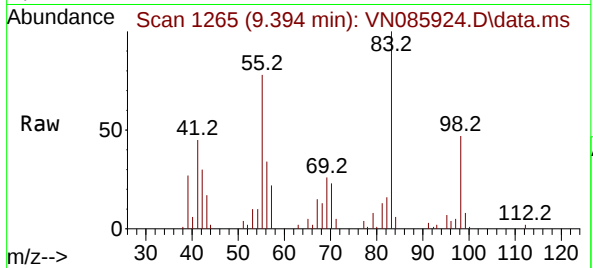
Tgt Ion: 83	Resp: 39054
Ion Ratio	Lower Upper
83 100	
55 76.4	57.5 86.3
98 47.4	39.2 58.8

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Reviewed By :John Carlone 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#40

Benzene

Concen: 0.929 ug/l

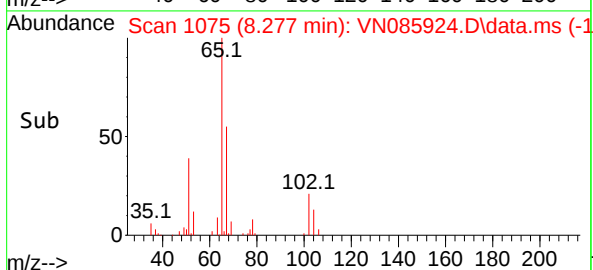
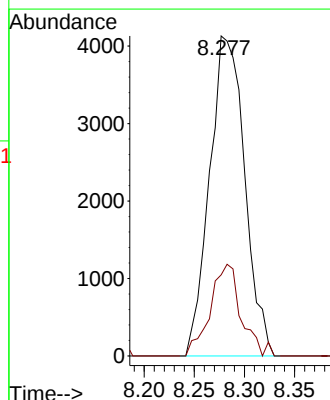
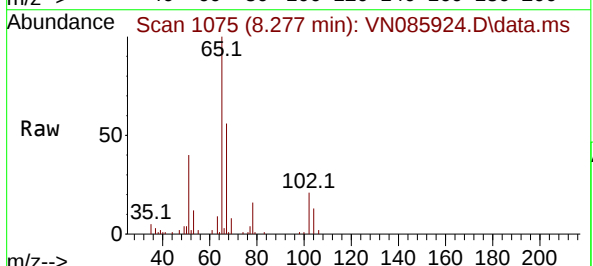
RT: 8.277 min Scan# 1075

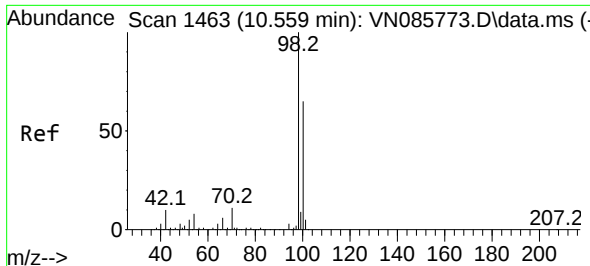
Delta R.T. -0.323 min

Lab File: VN085924.D

Acq: 10 Mar 2025 19:12

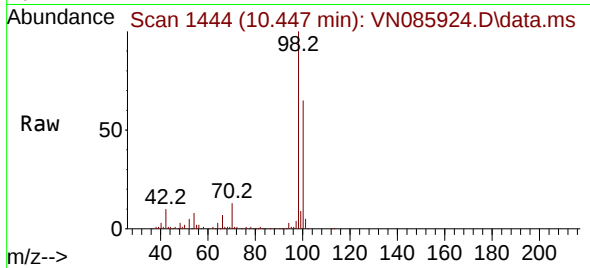
Tgt Ion: 78	Resp: 10070
Ion Ratio	Lower Upper
78 100	
77 25.3	18.3 27.5





#50
Toluene-d8
Concen: 49.988 ug/l
RT: 10.447 min Scan# 1463
Delta R.T. -0.112 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

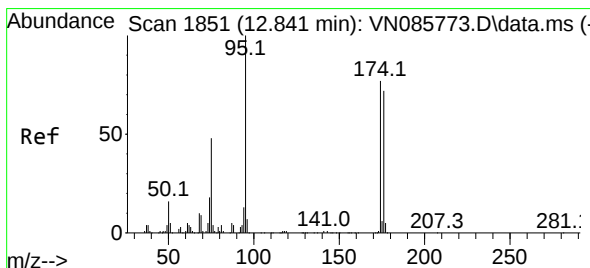
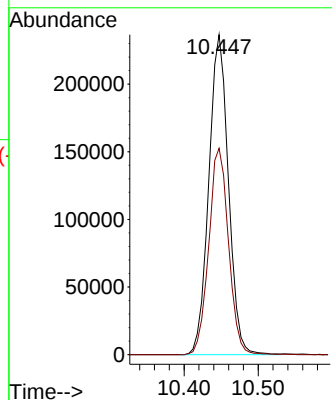
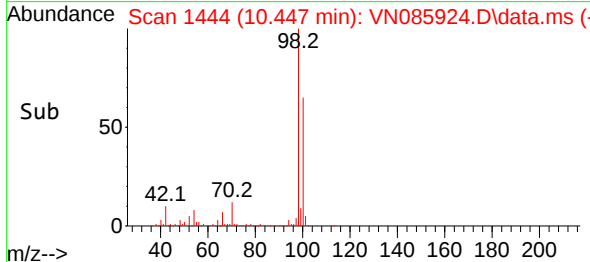
Instrument :
MSVOA_N
ClientSampleId :
MW10



Tgt Ion: 98 Resp: 434609
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

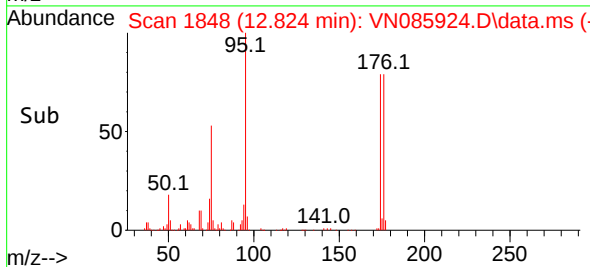
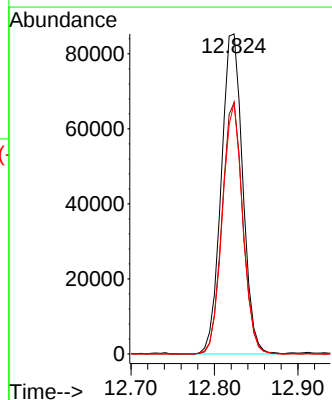
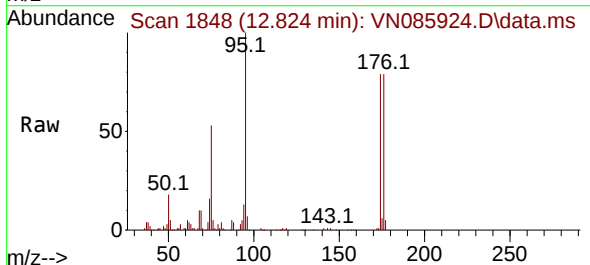
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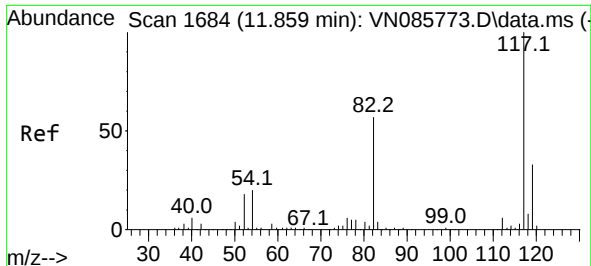
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#62
4-Bromofluorobenzene
Concen: 53.251 ug/l m
RT: 12.824 min Scan# 1848
Delta R.T. -0.017 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

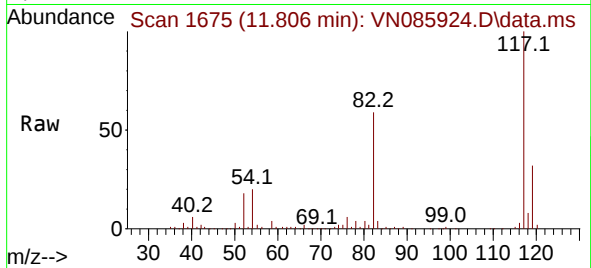
Tgt Ion: 95 Resp: 152543
Ion Ratio Lower Upper
95 100
174 0.0 0.0 152.4
176 0.0 0.0 146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l m
RT: 11.806 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

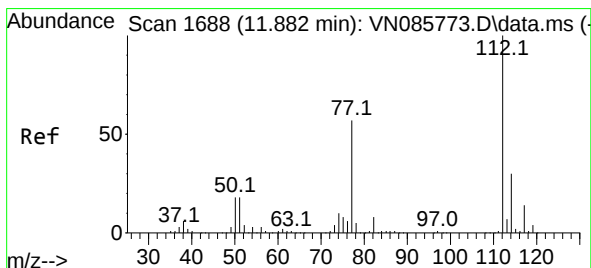
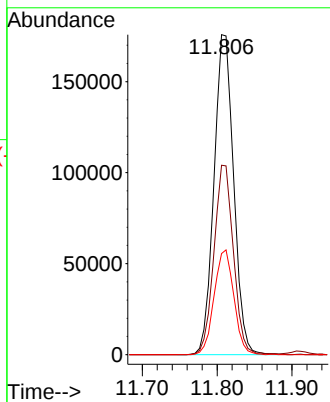
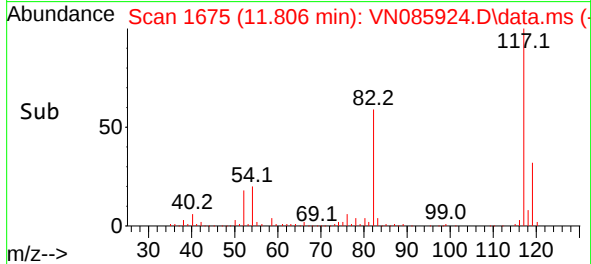
Instrument :
MSVOA_N
ClientSampleId :
MW10



Tgt Ion:117 Resp: 321668
Ion Ratio Lower Upper
117 100
82 59.2 45.7 68.5
119 31.6 26.2 39.2

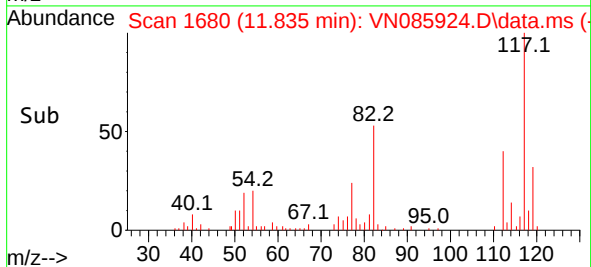
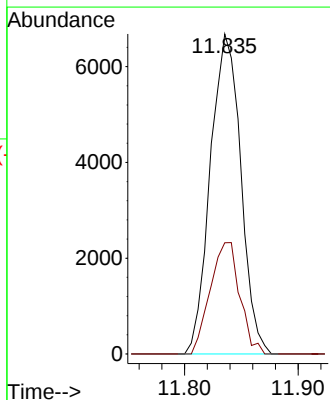
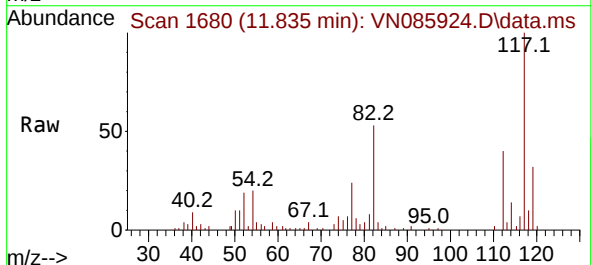
Manual Integrations
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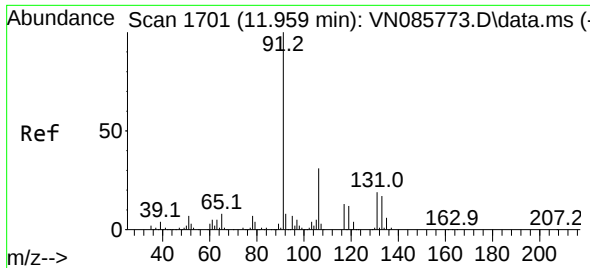
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#65
Chlorobenzene
Concen: 1.689 ug/l
RT: 11.835 min Scan# 1680
Delta R.T. -0.047 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Tgt Ion:112 Resp: 12447
Ion Ratio Lower Upper
112 100
114 34.7 24.3 36.5





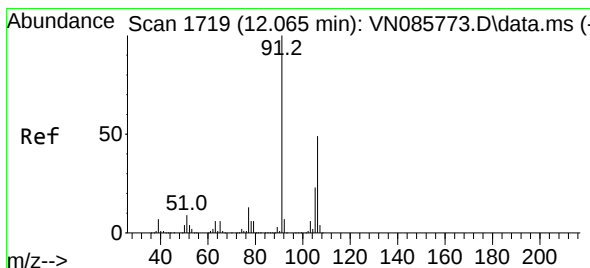
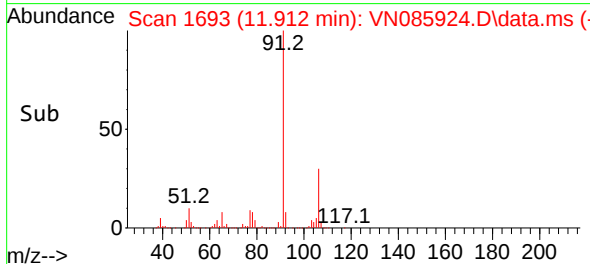
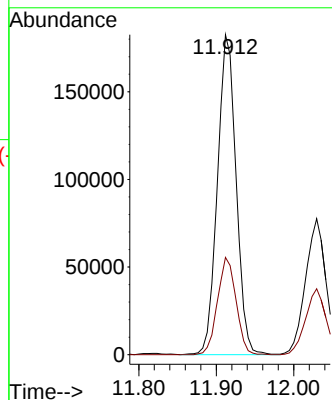
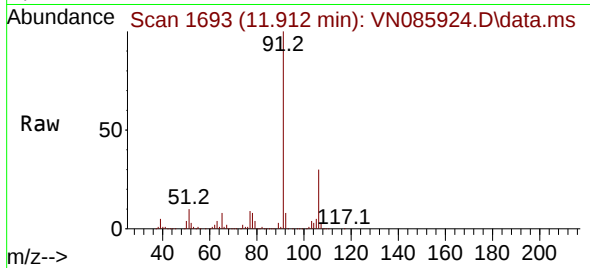
#67
Ethyl Benzene
Concen: 26.533 ug/l
RT: 11.912 min Scan# 1693
Delta R.T. -0.047 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
MW10

Tgt Ion: 91 Resp: 30626
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

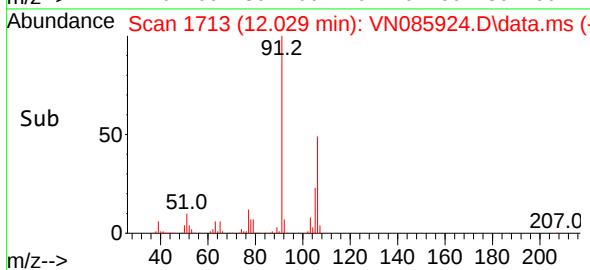
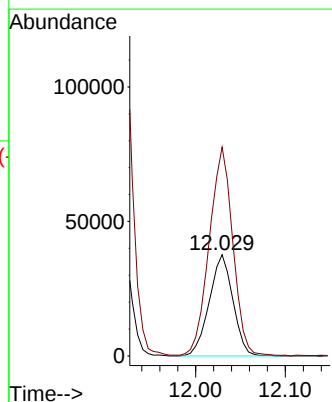
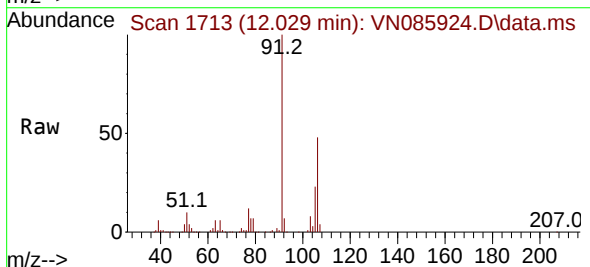
Manual Integrations
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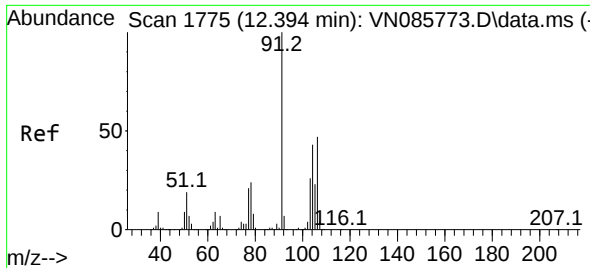
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#68
m/p-Xylenes
Concen: 15.696 ug/l
RT: 12.029 min Scan# 1713
Delta R.T. -0.036 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Tgt Ion:106 Resp: 68822
Ion Ratio Lower Upper
106 100
91 206.5 163.3 244.9





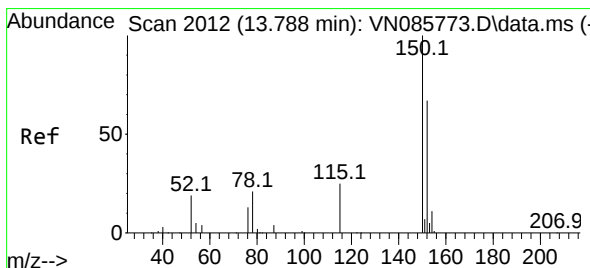
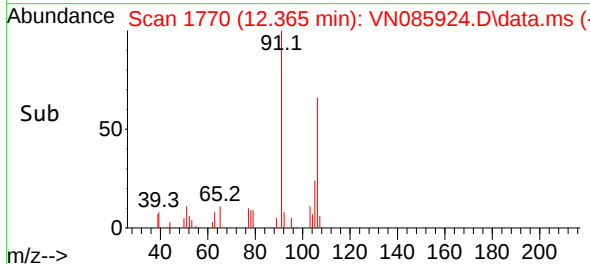
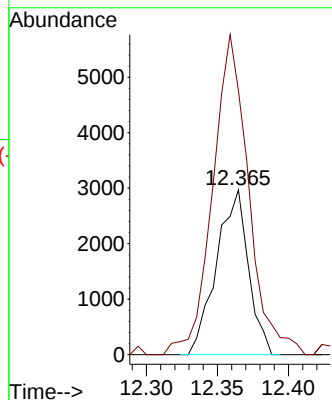
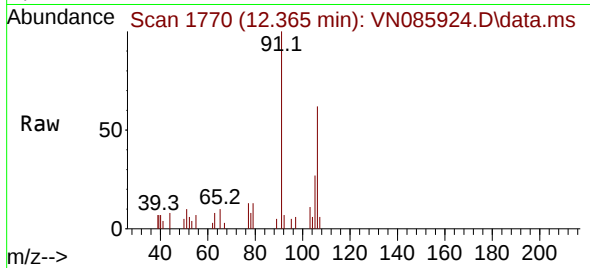
#69
o-Xylene
Concen: 1.114 ug/l
RT: 12.365 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
MW10

Tgt Ion:106 Resp: 464
Ion Ratio Lower Upper
106 100
91 218.6 107.1 321.4

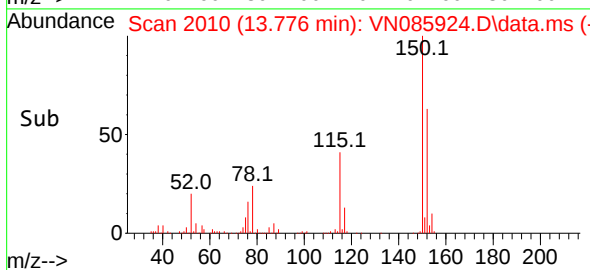
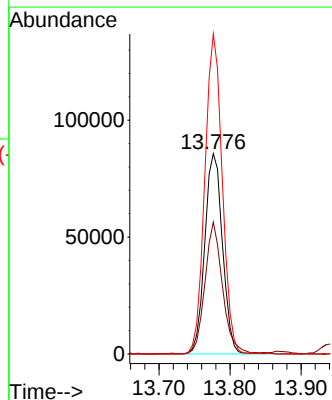
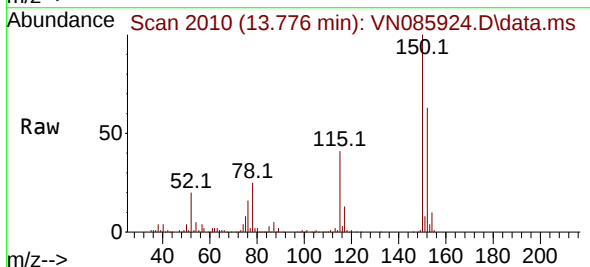
Manual Integrations
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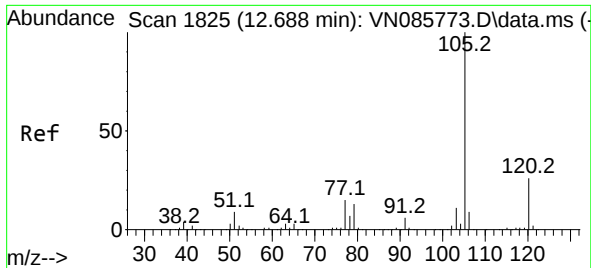
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.776 min Scan# 2010
Delta R.T. -0.012 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Tgt Ion:152 Resp: 148874
Ion Ratio Lower Upper
152 100
115 65.3 30.4 91.3
150 156.4 0.0 345.4





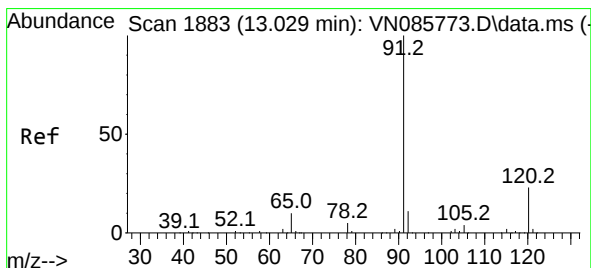
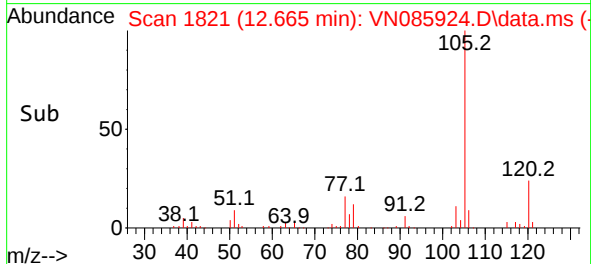
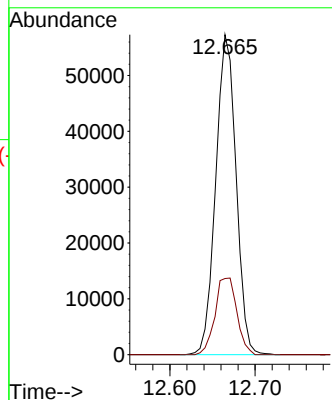
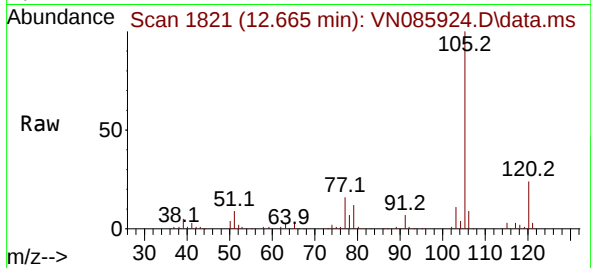
#73
Isopropylbenzene
Concen: 9.303 ug/l
RT: 12.665 min Scan# 1821
Delta R.T. -0.023 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
MW10

Tgt Ion:105 Resp: 94880
Ion Ratio Lower Upper
105 100
120 25.8 13.0 39.0

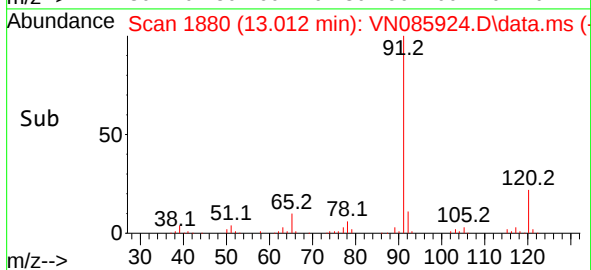
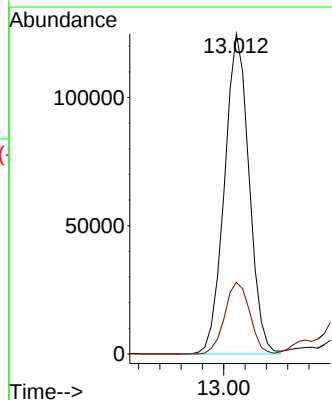
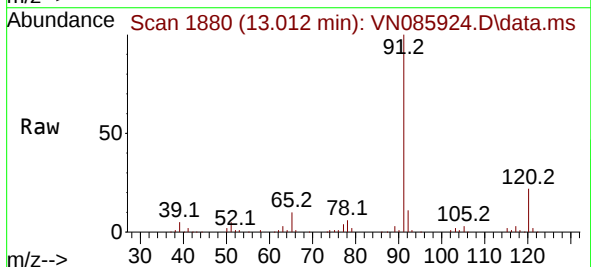
Manual Integrations
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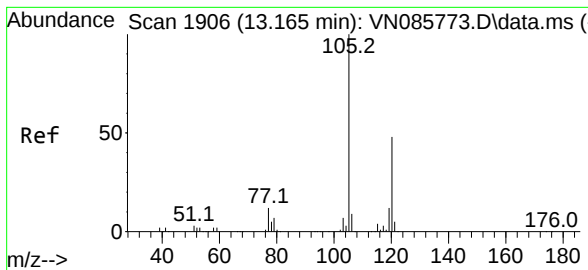
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#78
n-propylbenzene
Concen: 17.149 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.017 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

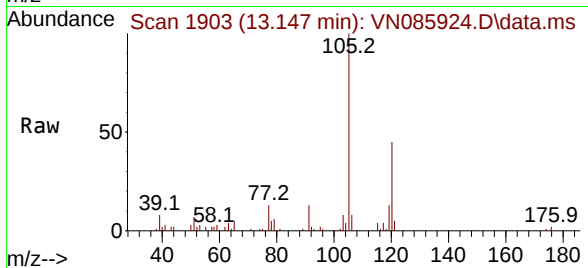
Tgt Ion: 91 Resp: 200316
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.8





#80
 1,3,5-Trimethylbenzene
 Concen: 3.145 ug/l
 RT: 13.147 min Scan# 1906
 Delta R.T. -0.018 min
 Lab File: VN085924.D
 Acq: 10 Mar 2025 19:12

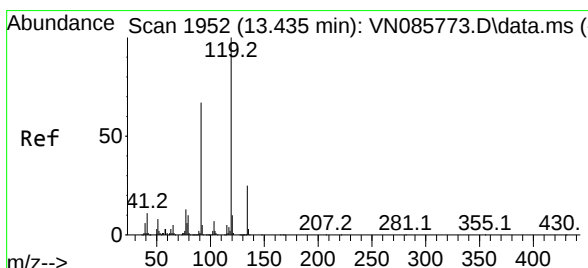
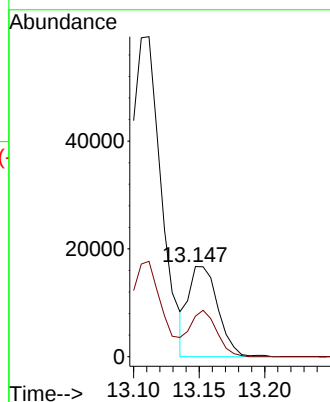
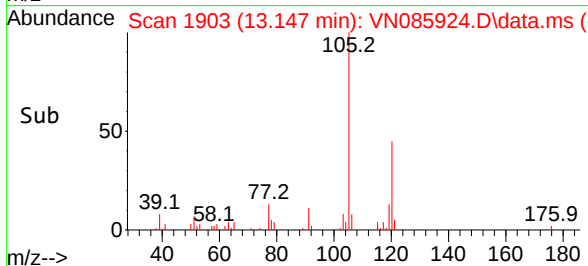
Instrument :
 MSVOA_N
 ClientSampleId :
 MW10



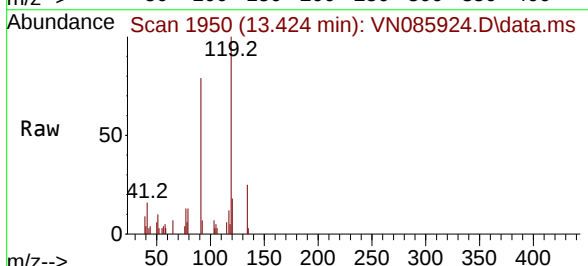
Tgt Ion:105 Resp: 26128
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.3 72.9

Manual Integrations
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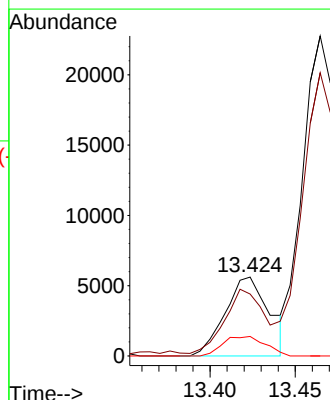
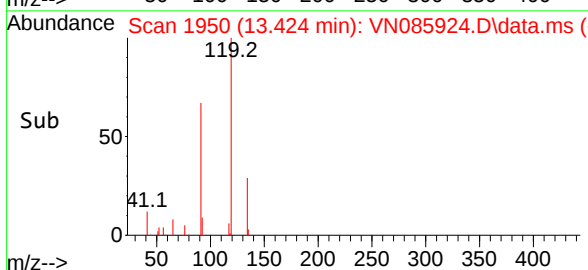
Reviewed By :John Carlone 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

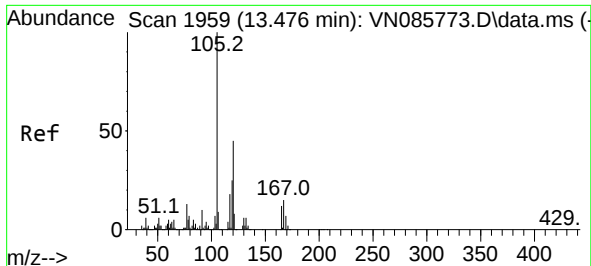


#83
 tert-Butylbenzene
 Concen: 1.447 ug/l
 RT: 13.424 min Scan# 1950
 Delta R.T. -0.011 min
 Lab File: VN085924.D
 Acq: 10 Mar 2025 19:12



Tgt Ion:119 Resp: 10112
 Ion Ratio Lower Upper
 119 100
 91 71.7 32.5 97.5
 134 23.9 13.3 39.9





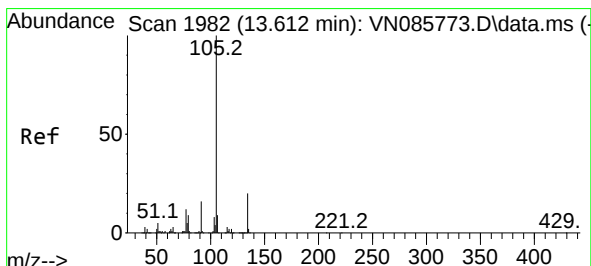
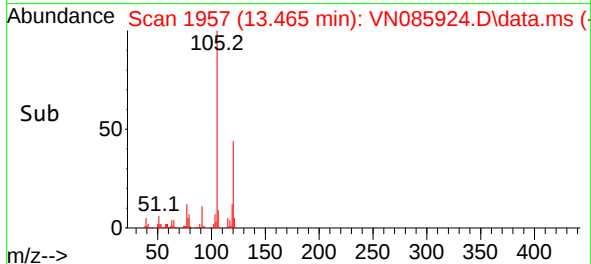
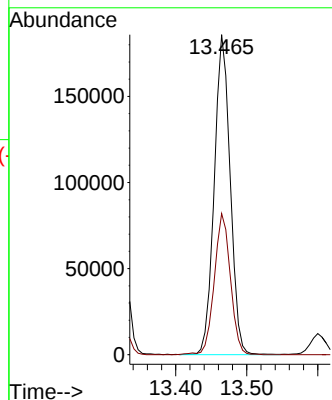
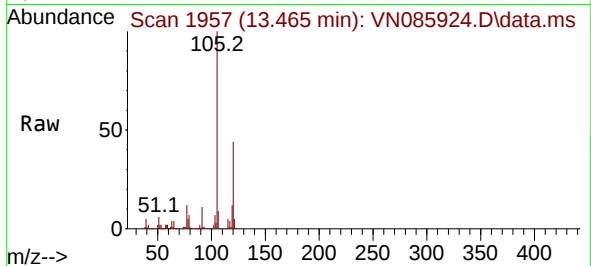
#84
1,2,4-Trimethylbenzene
Concen: 35.187 ug/l
RT: 13.465 min Scan# 1959
Delta R.T. -0.012 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
MW10

Tgt Ion:105 Resp: 289235
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3

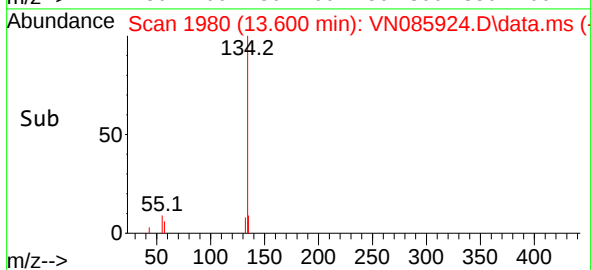
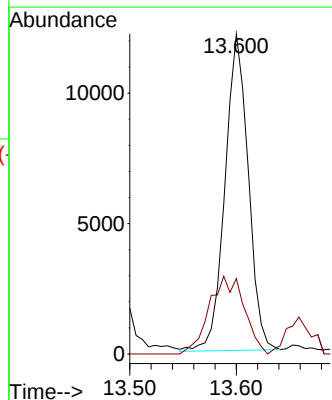
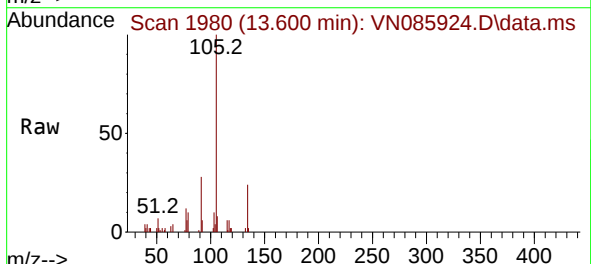
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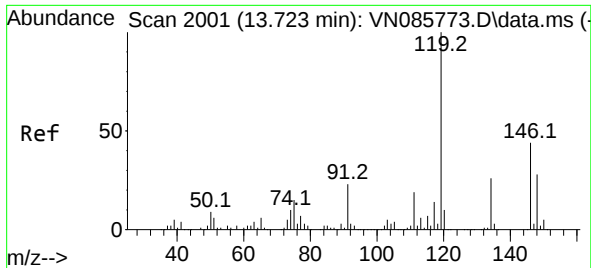
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#85
sec-Butylbenzene
Concen: 1.866 ug/l
RT: 13.600 min Scan# 1980
Delta R.T. -0.012 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

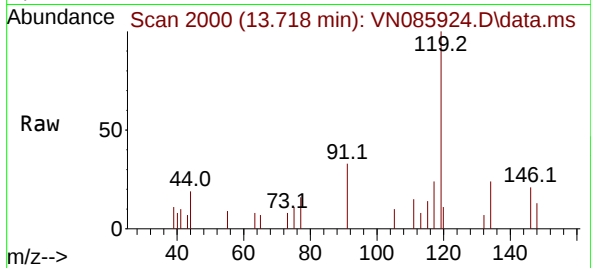
Tgt Ion:105 Resp: 18424
Ion Ratio Lower Upper
105 100
134 36.9 9.8 29.4#





#86
p-Isopropyltoluene
Concen: 1.083 ug/l m
RT: 13.718 min Scan# 2000
Delta R.T. -0.005 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

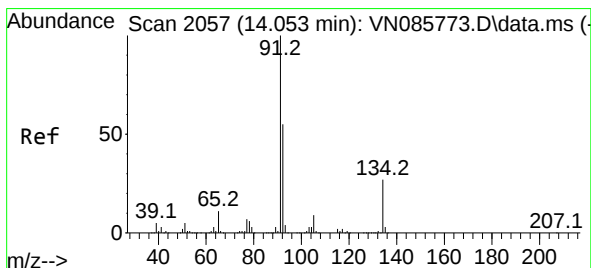
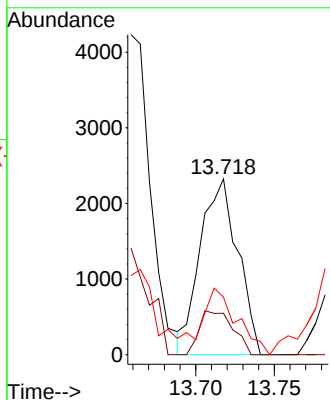
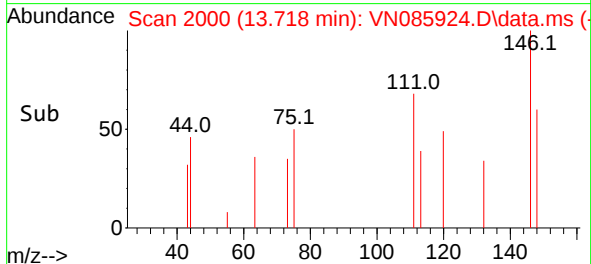
Instrument :
MSVOA_N
ClientSampleId :
MW10



Tgt Ion:119 Resp: 3869
Ion Ratio Lower Upper
119 100
134 58.2 13.0 39.0#
91 42.2 11.7 35.1#

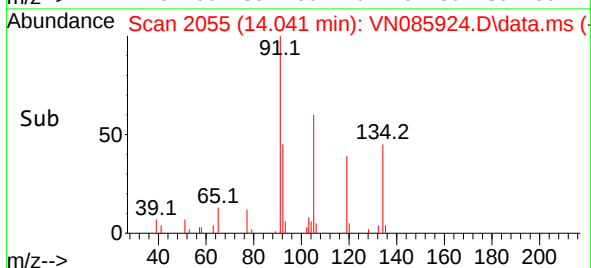
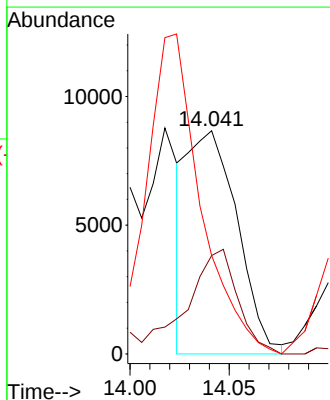
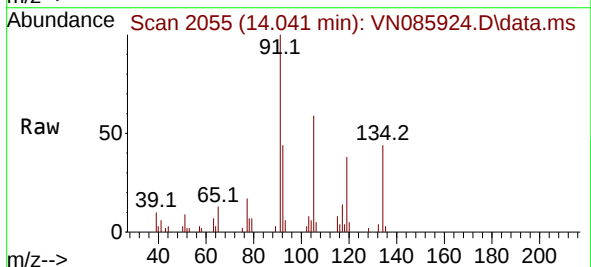
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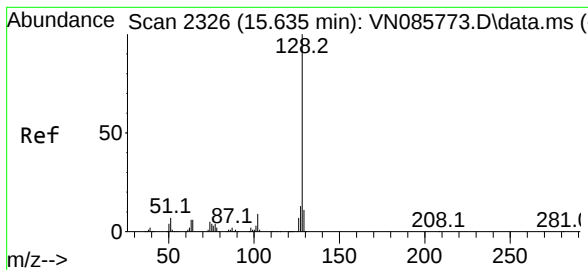
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#89
n-Butylbenzene
Concen: 2.184 ug/l m
RT: 14.041 min Scan# 2055
Delta R.T. -0.012 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

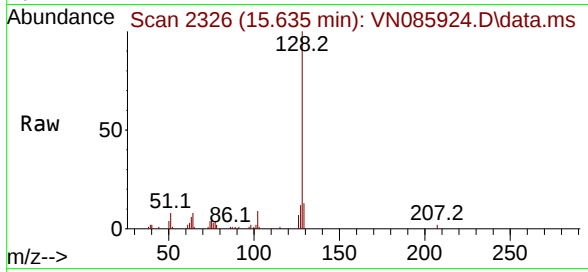
Tgt Ion: 91 Resp: 15308
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.3#
134 156.1 12.7 38.1#





#95
Naphthalene
Concen: 7.260 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085924.D
Acq: 10 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
MW10



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	13.1	8.7	13.1

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

