

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085235.D
 Acq On : 17 Dec 2024 19:34
 Operator : JC\MD
 Sample : P5291-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213-A

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 06:54:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106344	45.097	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.200%		
35) Dibromofluoromethane	8.165	113	85474	46.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	10.565	98	326419	49.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.847	95	125345	50.755	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.520%		
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	9702	14.127	ug/l #	69
19) Methyl tert-butyl Ether	5.794	73	47631	8.297	ug/l #	1
30) Chloroform	7.947	83	6320	1.665	ug/l #	54
31) Cyclohexane	8.253	56	46174	14.700	ug/l #	93
39) Methylcyclohexane	9.600	83	60460	23.311	ug/l	91
40) Benzene	8.606	78	2465034	312.263	ug/l	99
52) Toluene	10.629	92	329264	70.457	ug/l	100
67) Ethyl Benzene	11.965	91	1139705	127.905	ug/l	98
68) m/p-Xylenes	12.065	106	1082287	319.031	ug/l	100
69) o-Xylene	12.394	106	333169	103.244	ug/l	98
73) Isopropylbenzene	12.694	105	48455	6.413	ug/l	99
78) n-propylbenzene	13.035	91	77907	8.939	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	112072	17.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	709832	108.760	ug/l	99
86) p-Isopropyltoluene	13.723	119	5597m	0.920	ug/l	

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

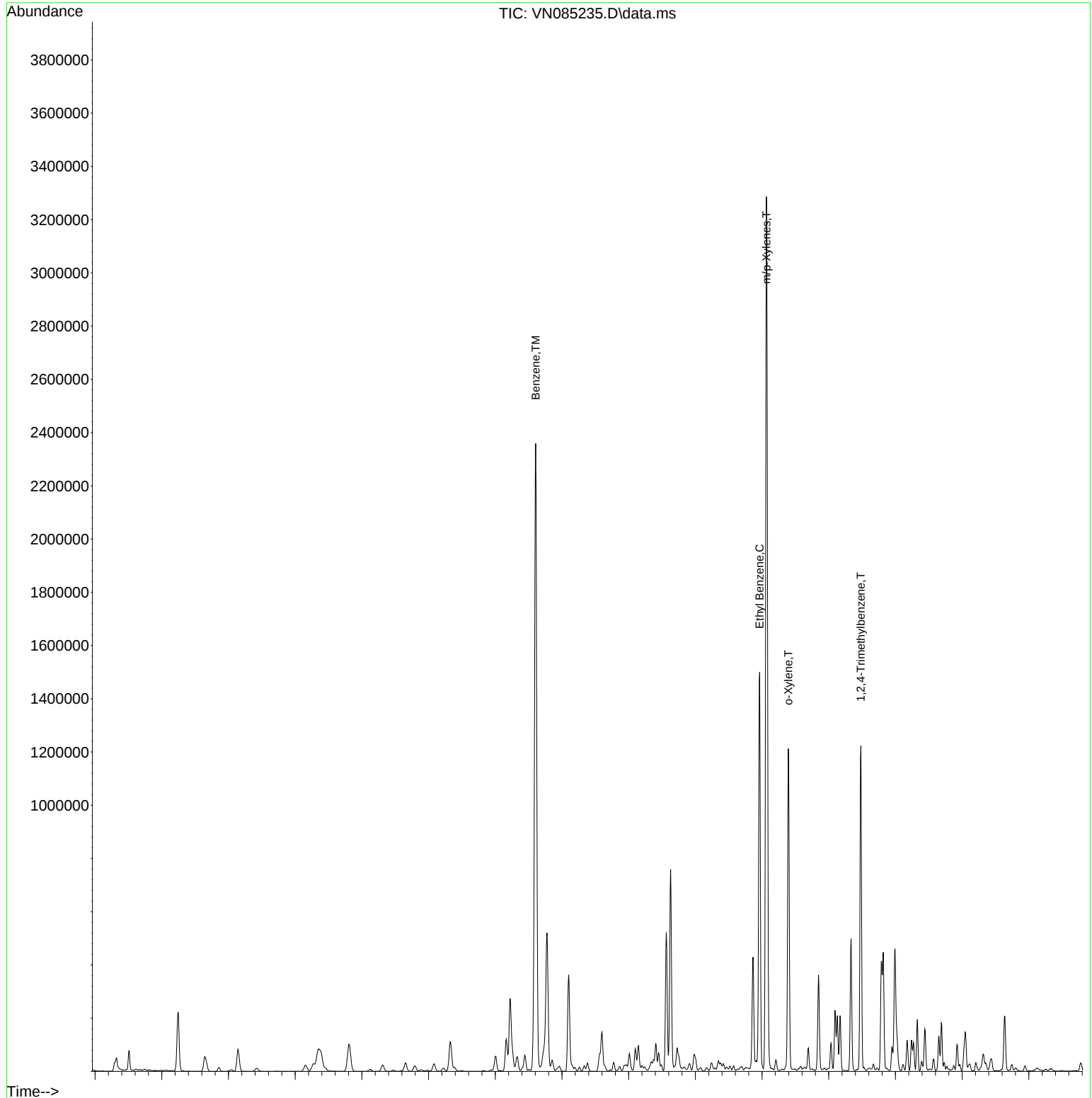
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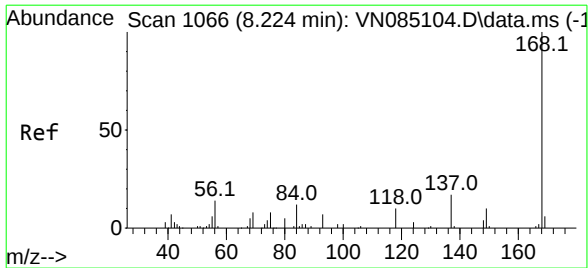
Instrument :
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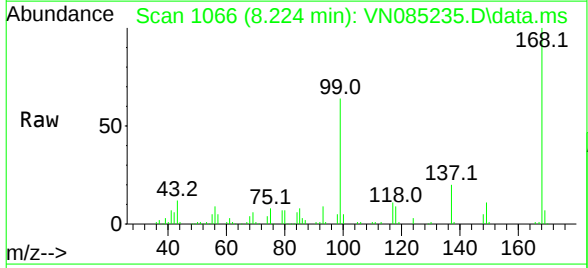
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

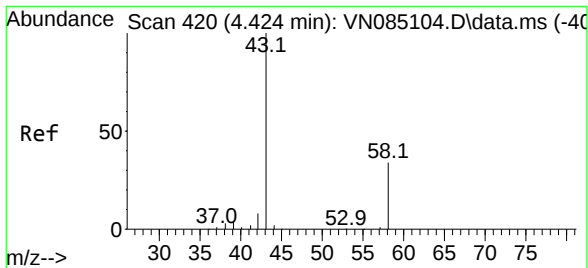
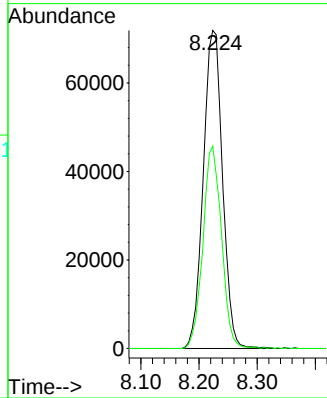
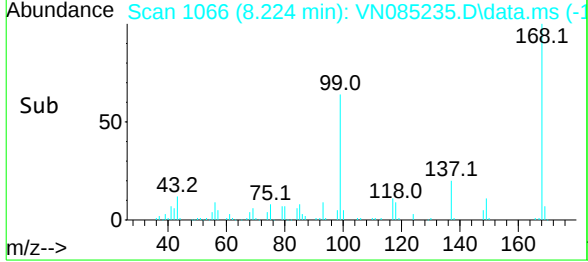
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



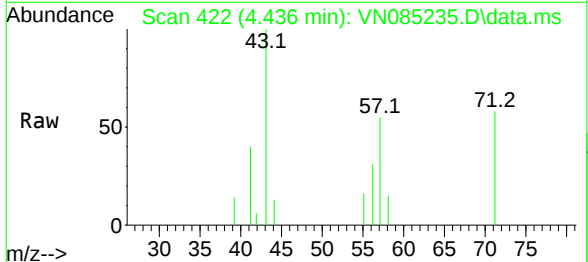
Tgt Ion:168 Resp: 165547
Ion Ratio Lower Upper
168 100
99 63.6 51.2 76.8

Manual Integrations
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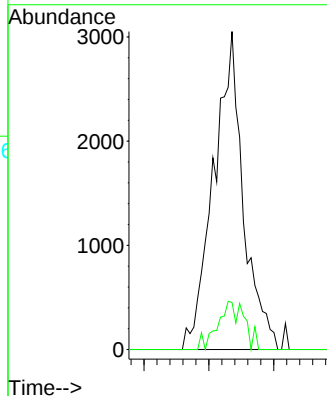
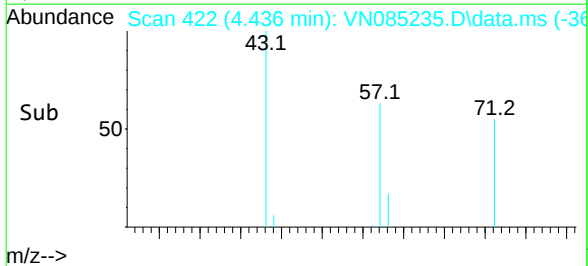
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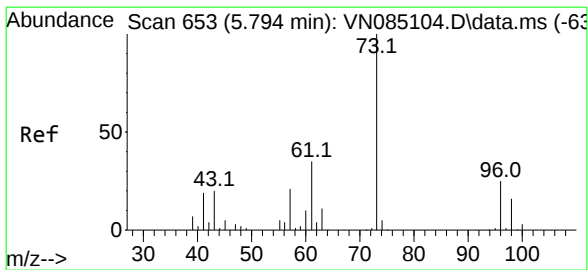


#16
Acetone
Concen: 14.127 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34



Tgt Ion: 43 Resp: 9702
Ion Ratio Lower Upper
43 100
58 14.8 25.4 38.2#





#19

Methyl tert-butyl Ether

Concen: 8.297 ug/l

RT: 5.794 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 73 Resp: 47631

Ion Ratio Lower Upper

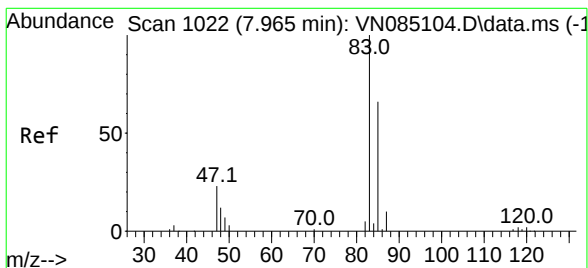
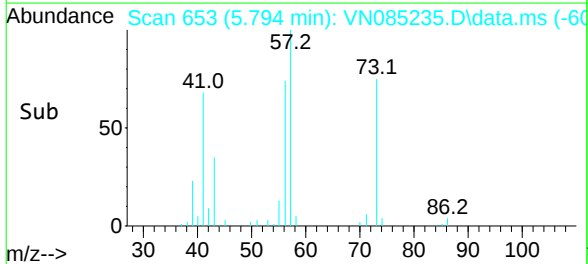
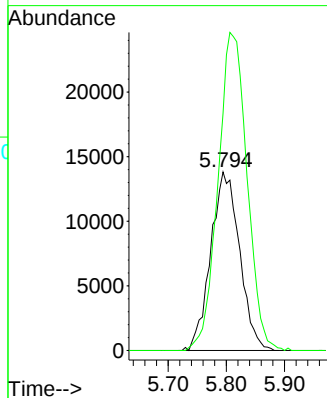
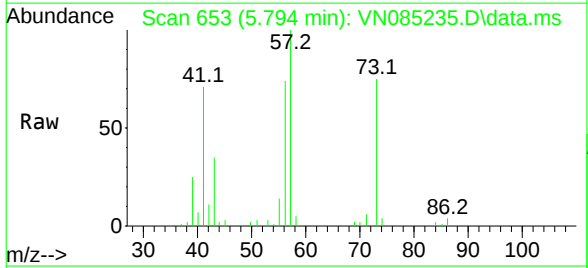
73 100

57 132.8 17.0 25.4#

Manual Integrations

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#30

Chloroform

Concen: 1.665 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.012 min

Lab File: VN085235.D

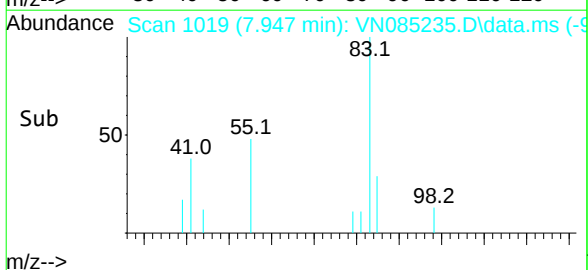
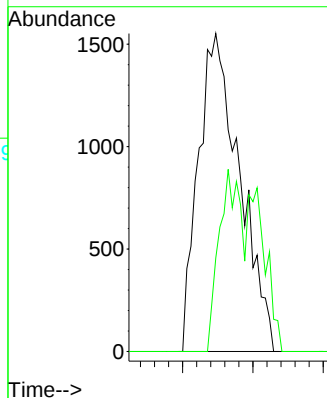
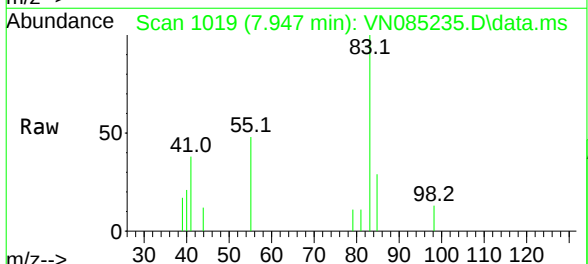
Acq: 17 Dec 2024 19:34

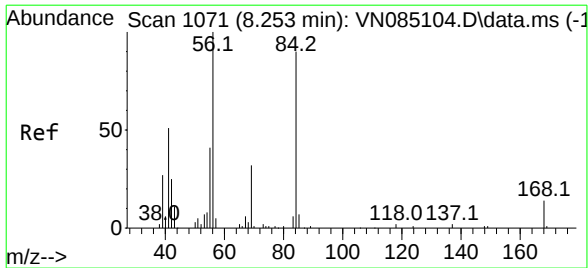
Tgt Ion: 83 Resp: 6320

Ion Ratio Lower Upper

83 100

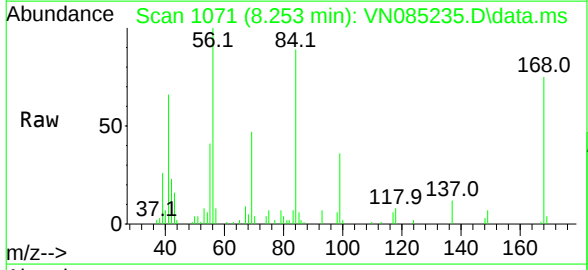
85 29.4 52.6 78.8#





#31
Cyclohexane
Concen: 14.700 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

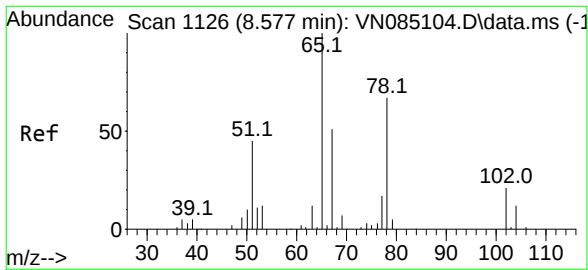
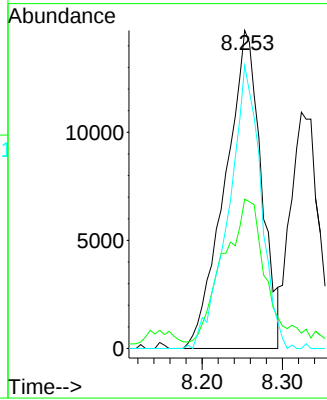
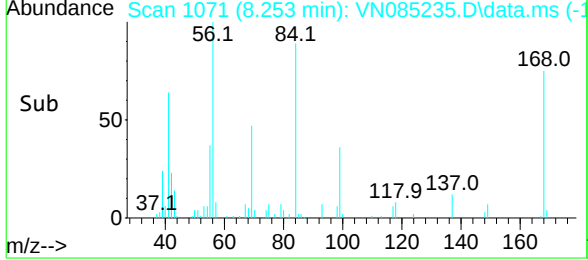
Instrument : MSVOA_N
ClientSampleId : MW6-20241213-A



Tgt Ion: 56 Resp: 46174
Ion Ratio Lower Upper
56 100
69 44.1 24.6 36.8#
84 88.9 71.4 107.2

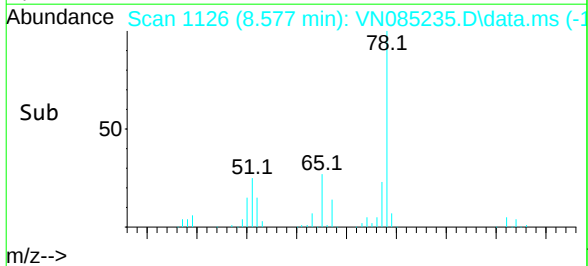
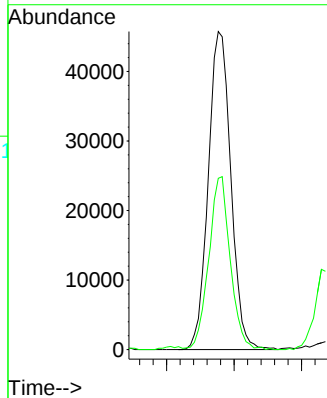
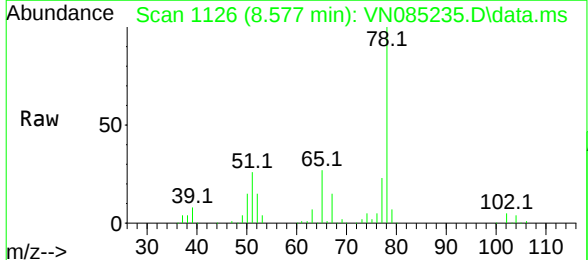
Manual Integrations
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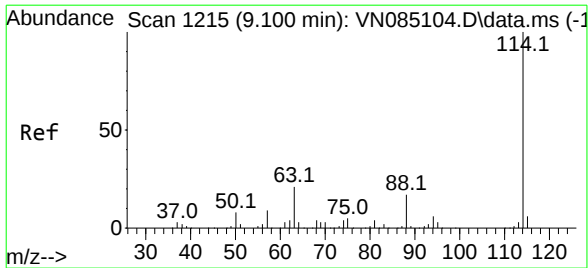
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#33
1,2-Dichloroethane-d4
Concen: 45.097 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

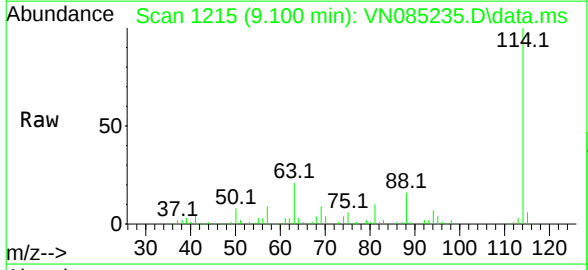
Tgt Ion: 65 Resp: 106344
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

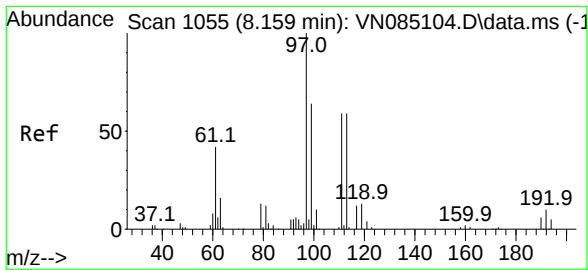
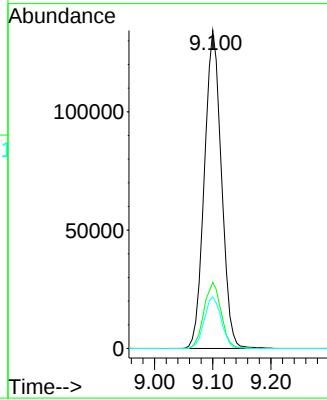
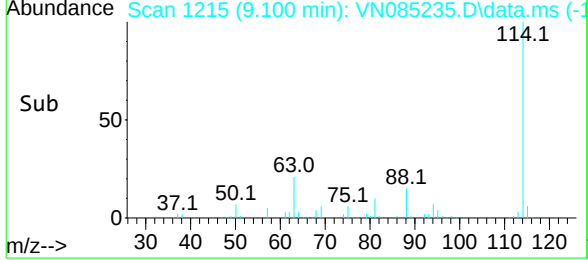
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



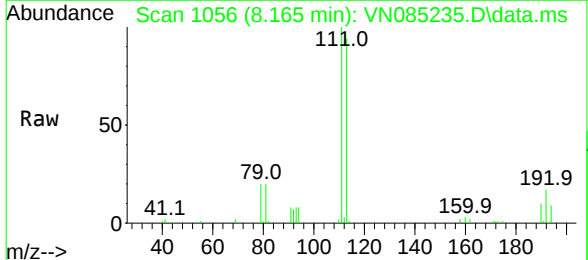
Tgt Ion:	114	Resp:	273247
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	41.0
88	16.2	0.0	34.8

Manual Integrations
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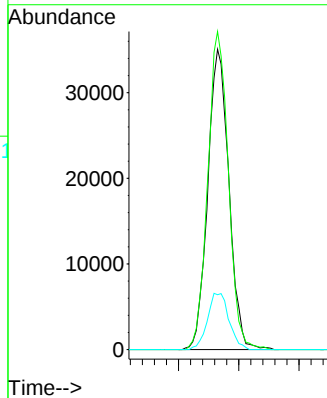
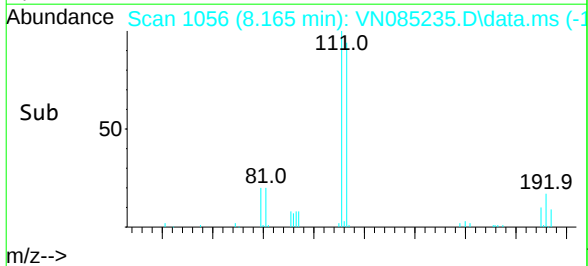
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

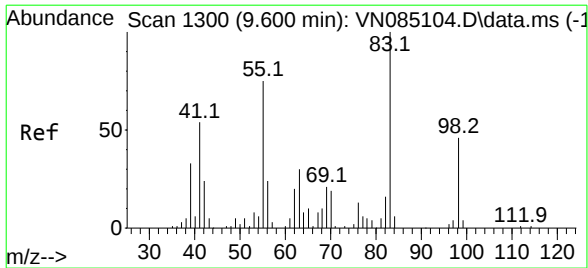


#35
Dibromofluoromethane
Concen: 46.386 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34



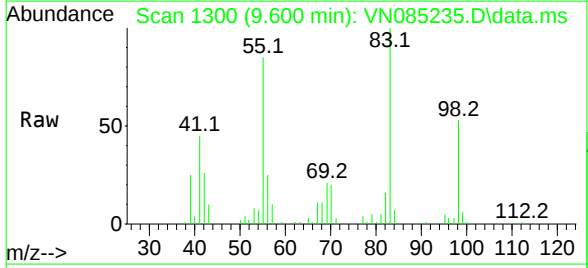
Tgt Ion:	113	Resp:	85474
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.0	123.0
192	19.1	14.8	22.2





#39
Methylcyclohexane
Concen: 23.311 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

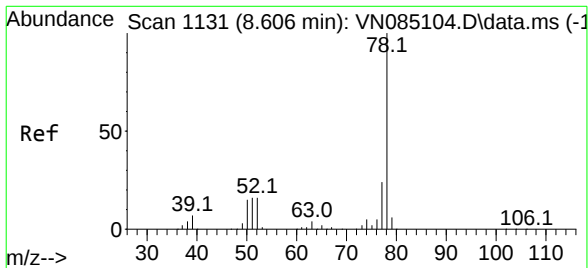
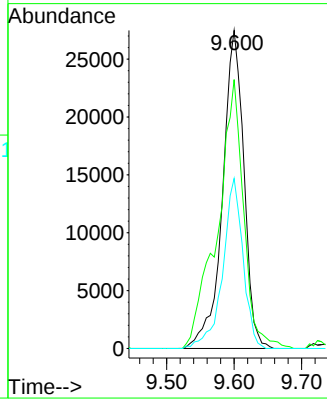
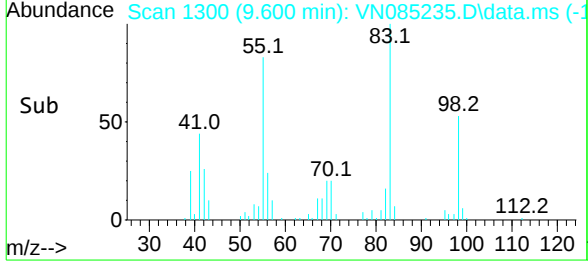
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt Ion: 83 Resp: 60460
Ion Ratio Lower Upper
83 100
55 84.5 61.8 92.6
98 53.5 37.0 55.6

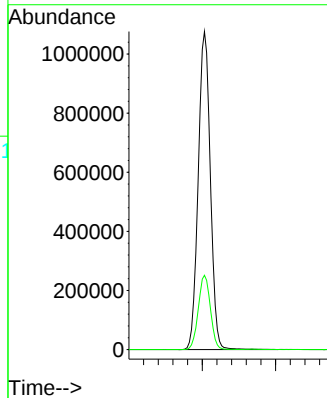
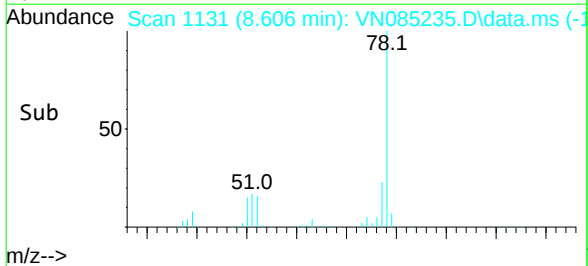
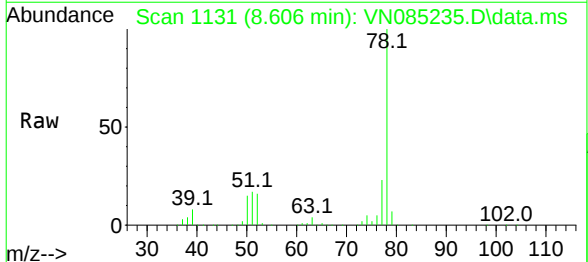
Manual Integrations
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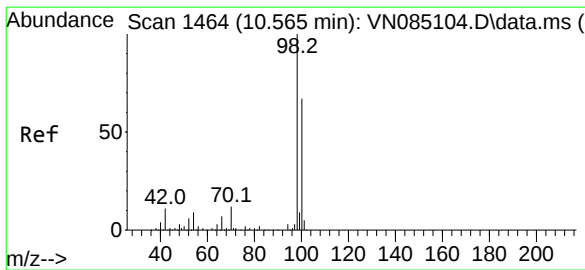
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#40
Benzene
Concen: 312.263 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

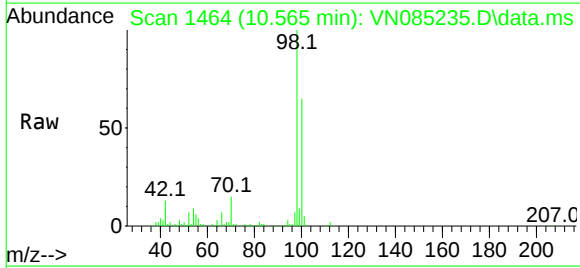
Tgt Ion: 78 Resp: 2465034
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7





#50
Toluene-d8
Concen: 49.429 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

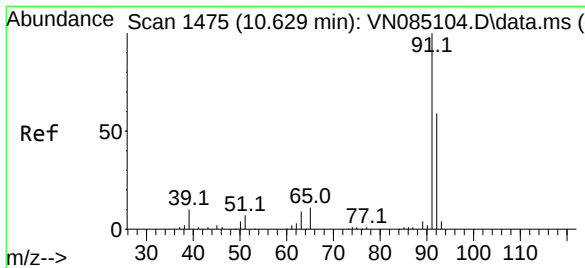
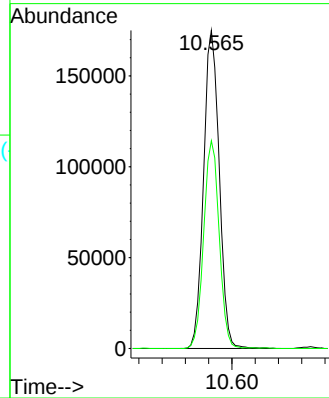
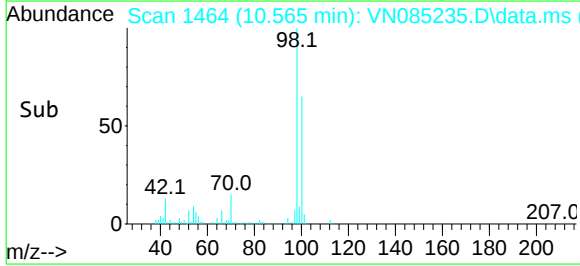
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Tgt Ion: 98 Resp: 326419
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7

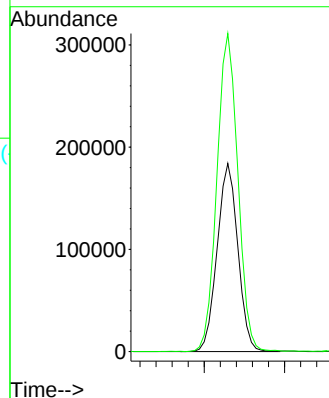
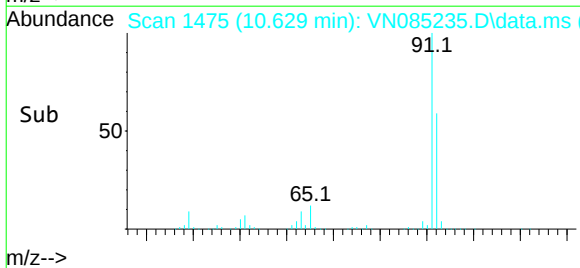
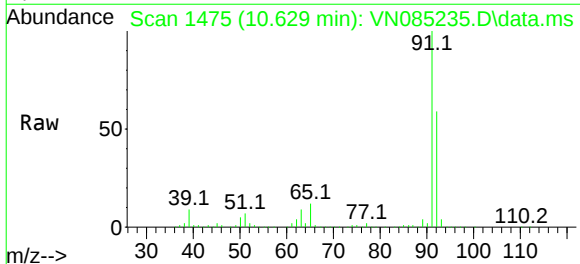
Manual Integrations
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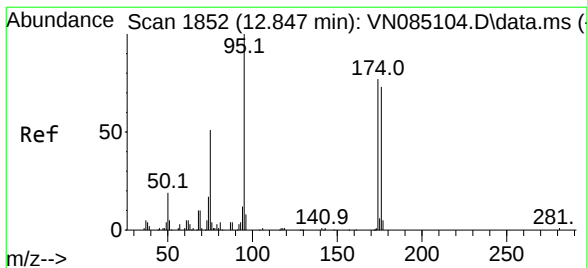
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#52
Toluene
Concen: 70.457 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

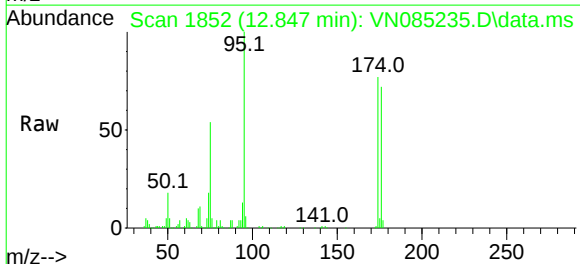
Tgt Ion: 92 Resp: 329264
Ion Ratio Lower Upper
92 100
91 171.5 136.7 205.1





#62
4-Bromofluorobenzene
Concen: 50.755 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

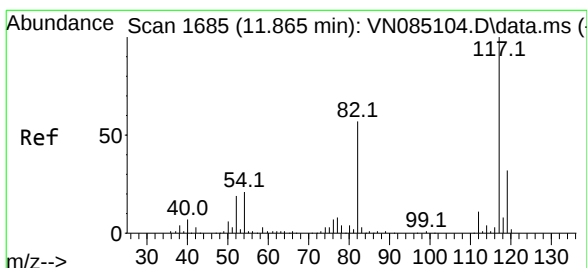
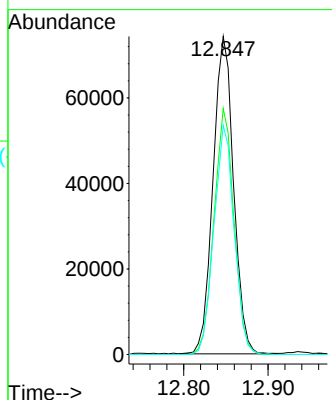
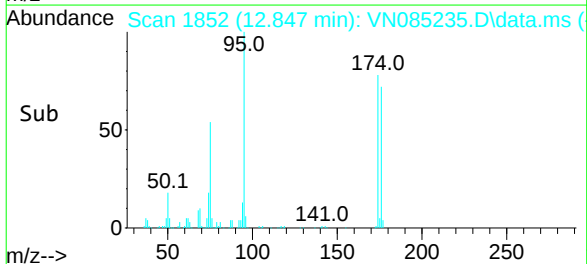
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt Ion: 95 Resp: 125345
Ion Ratio Lower Upper
95 100
174 75.6 0.0 146.6
176 71.4 0.0 141.8

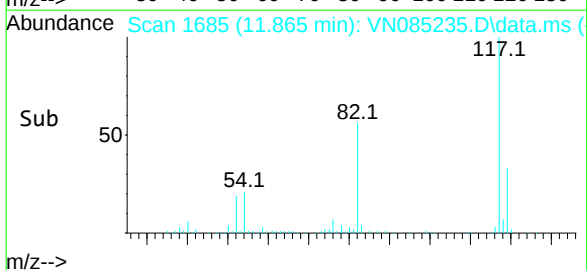
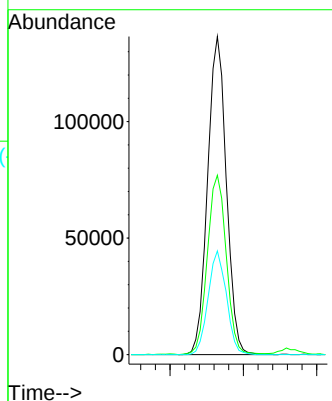
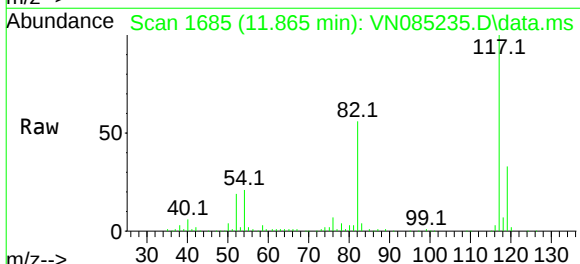
Manual Integrations
APPROVED

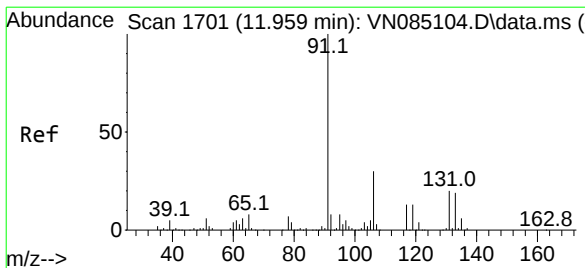
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Tgt Ion:117 Resp: 242177
Ion Ratio Lower Upper
117 100
82 56.4 46.0 69.0
119 32.6 25.6 38.4





#67

Ethyl Benzene

Concen: 127.905 ug/l

RT: 11.965 min Scan# 1719

Delta R.T. 0.006 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 91 Resp: 1139705

Ion Ratio Lower Upper

91 100

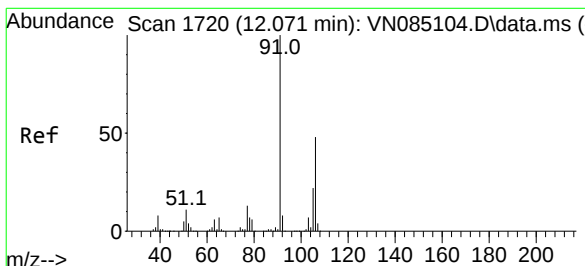
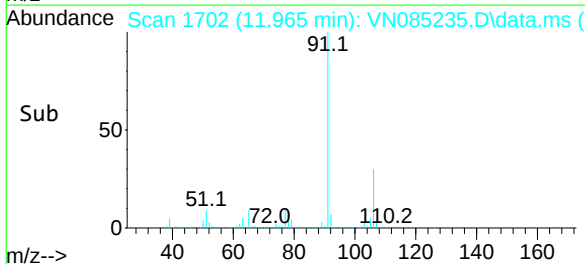
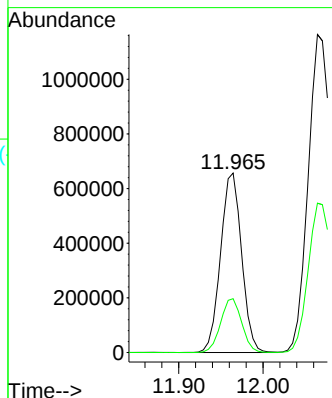
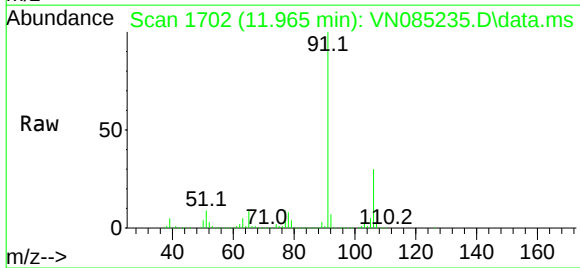
106 30.0 24.7 37.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#68

m/p-Xylenes

Concen: 319.031 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085235.D

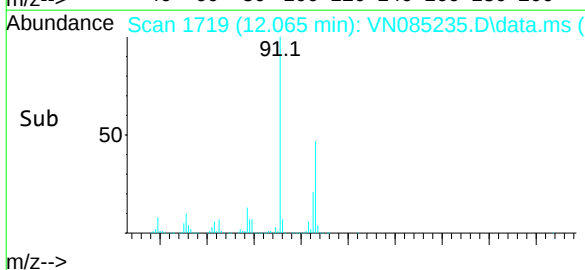
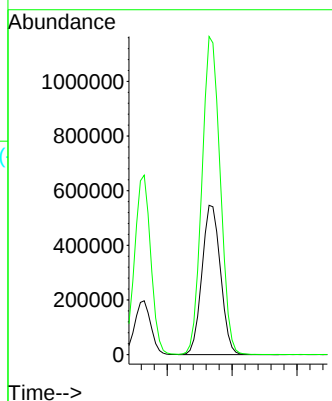
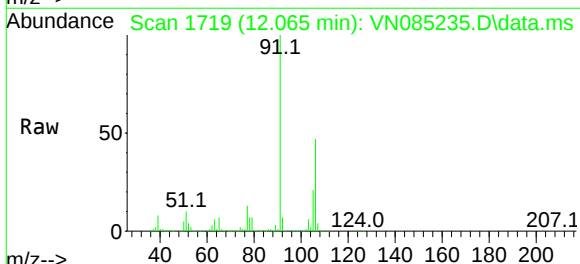
Acq: 17 Dec 2024 19:34

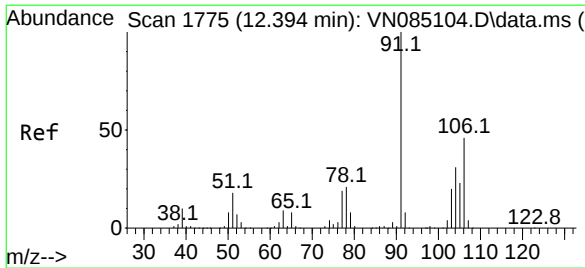
Tgt Ion:106 Resp: 1082287

Ion Ratio Lower Upper

106 100

91 210.3 168.0 252.0





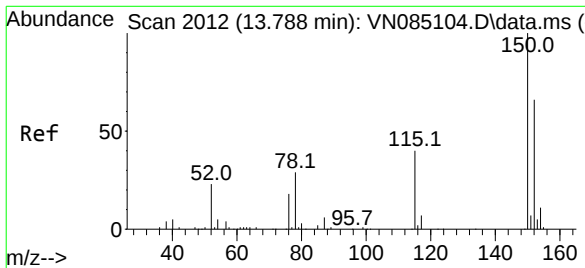
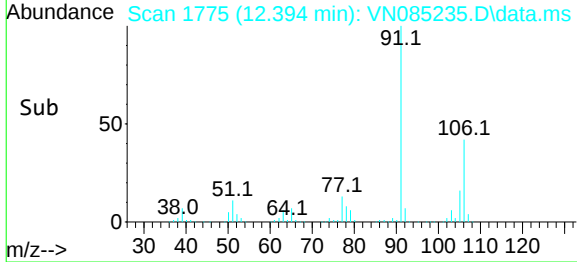
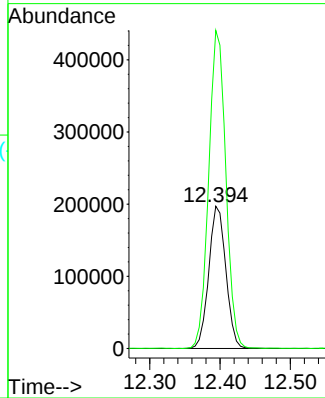
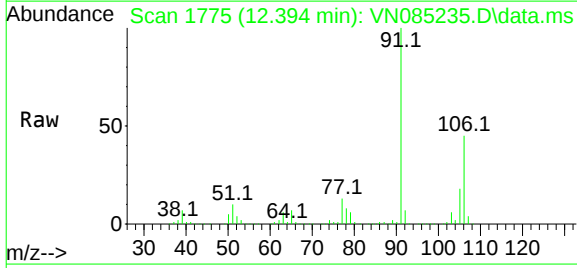
#69
o-Xylene
Concen: 103.244 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Tgt Ion:106 Resp: 333169
Ion Ratio Lower Upper
106 100
91 223.9 110.7 331.9

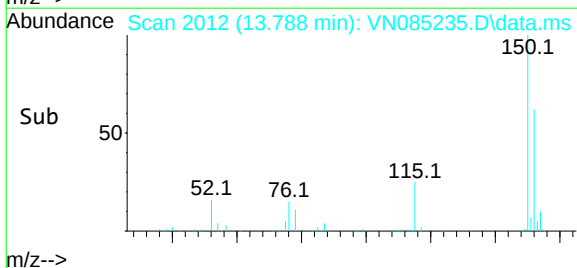
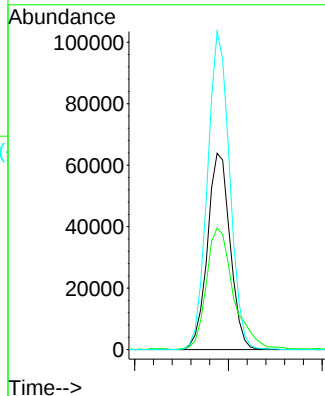
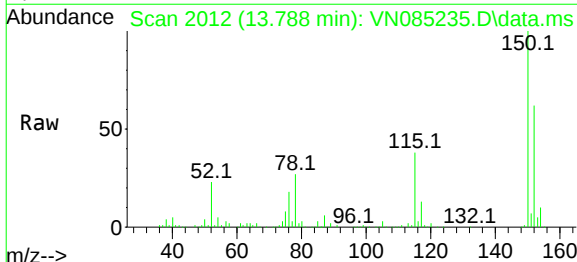
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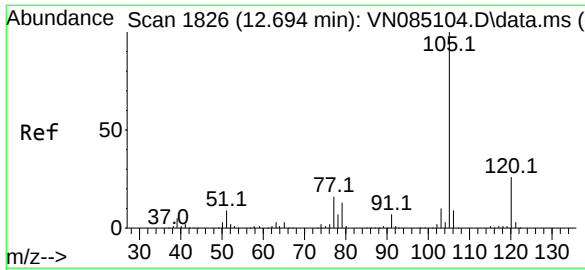
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

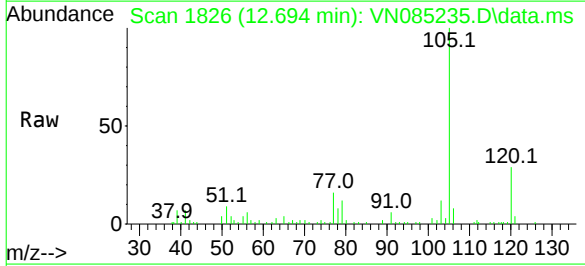
Tgt Ion:152 Resp: 107107
Ion Ratio Lower Upper
152 100
115 74.9 31.7 95.1
150 158.8 0.0 351.4





#73
Isopropylbenzene
Concen: 6.413 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

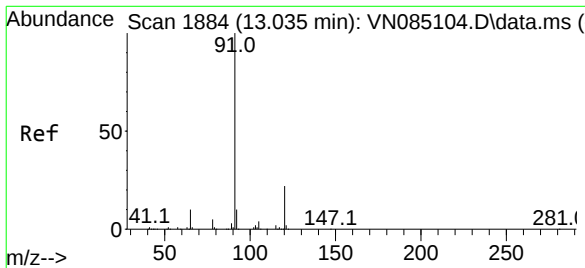
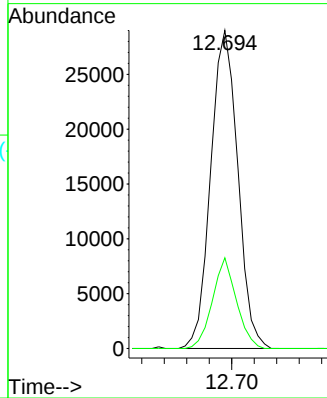
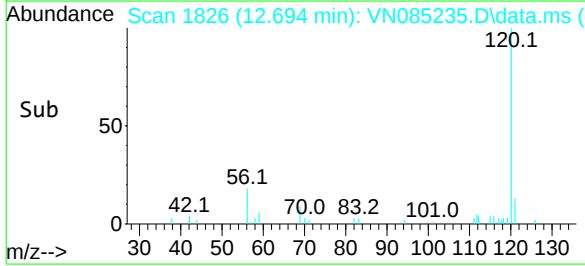
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt Ion: 105 Resp: 48455
Ion Ratio Lower Upper
105 100
120 25.3 13.0 39.0

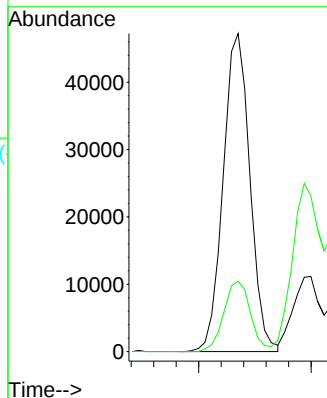
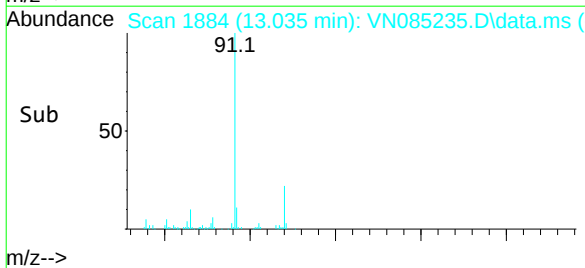
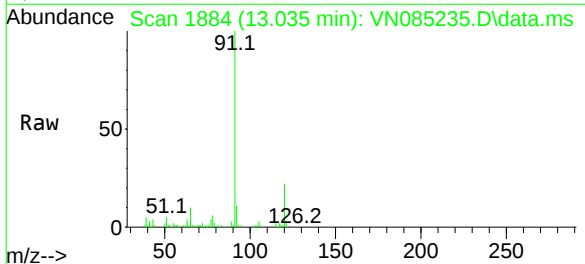
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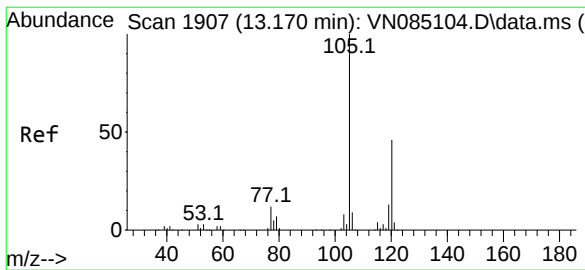
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#78
n-propylbenzene
Concen: 8.939 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Tgt Ion: 91 Resp: 77907
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 17.676 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion:105 Resp: 112072

Ion Ratio Lower Upper

105 100

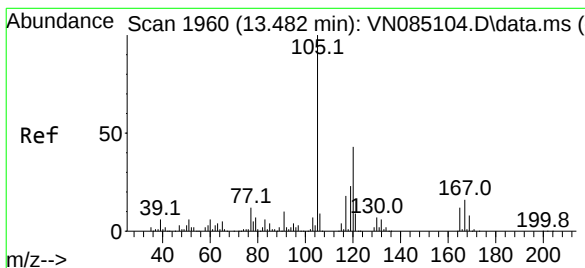
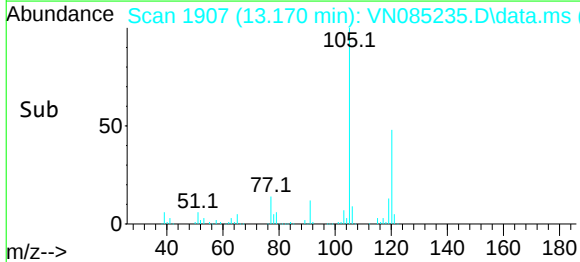
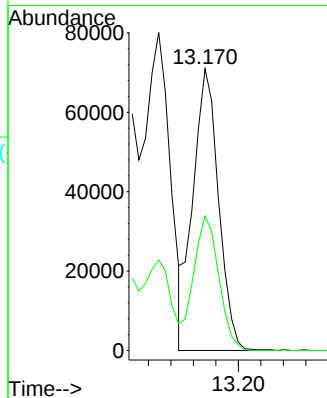
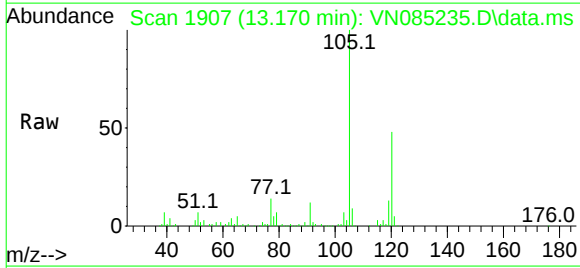
120 47.3 23.6 71.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#84

1,2,4-Trimethylbenzene

Concen: 108.760 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085235.D

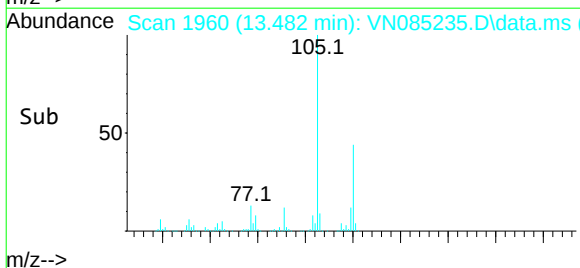
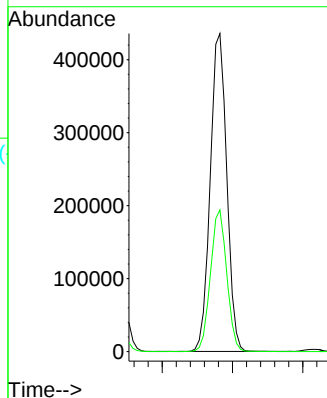
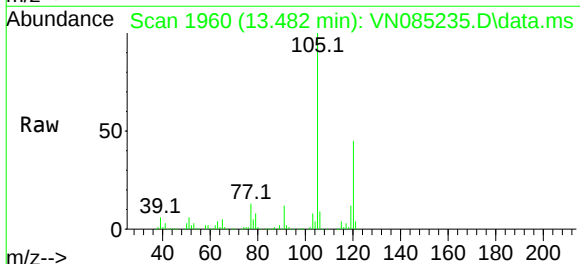
Acq: 17 Dec 2024 19:34

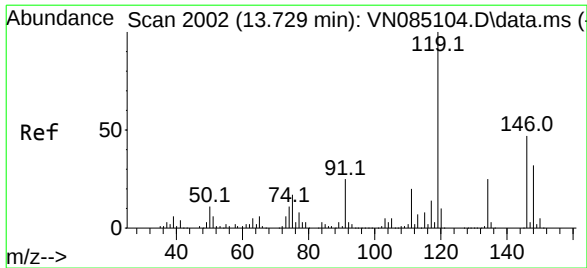
Tgt Ion:105 Resp: 709832

Ion Ratio Lower Upper

105 100

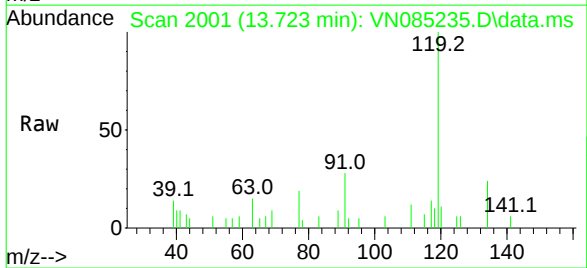
120 44.0 21.8 65.4





#86
p-Isopropyltoluene
Concen: 0.920 ug/l m
RT: 13.723 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt	Ion:119	Resp:	5597
Ion	Ratio	Lower	Upper
119	100		
134	53.0	13.0	39.0#
91	61.6	12.8	38.4#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

