

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085257.D
 Acq On : 18 Dec 2024 17:56
 Operator : JC\MD
 Sample : P5291-05DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 08:24:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	99052	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	9.100	114	179932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	153337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	70062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	85158	49.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	8.165	113	61070	48.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.560%		
50) Toluene-d8	10.565	98	224651	48.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.180%		
62) 4-Bromofluorobenzene	12.847	95	78187	47.345	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.700%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	3980m	6.660	ug/l	
25) 2-Butanone	7.483	43	1564m	1.709	ug/l	
31) Cyclohexane	8.253	56	13271	5.925	ug/l #	91
39) Methylcyclohexane	9.600	83	11237	6.130	ug/l	94
40) Benzene	8.606	78	57241	10.446	ug/l	92
52) Toluene	10.630	92	3482	1.057	ug/l	97
67) Ethyl Benzene	11.965	91	275136	46.571	ug/l	98
68) m/p-Xylenes	12.076	106	114997	52.044	ug/l	99
69) o-Xylene	12.394	106	1524	0.734	ug/l	96
73) Isopropylbenzene	12.694	105	23186	4.588	ug/l	98
78) n-propylbenzene	13.035	91	62580	10.096	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	48387	11.478	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	177154	41.112	ug/l	100
86) p-Isopropyltoluene	13.729	119	1553	2.256	ug/l #	61
89) n-Butylbenzene	14.053	91	6858	1.871	ug/l #	83

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

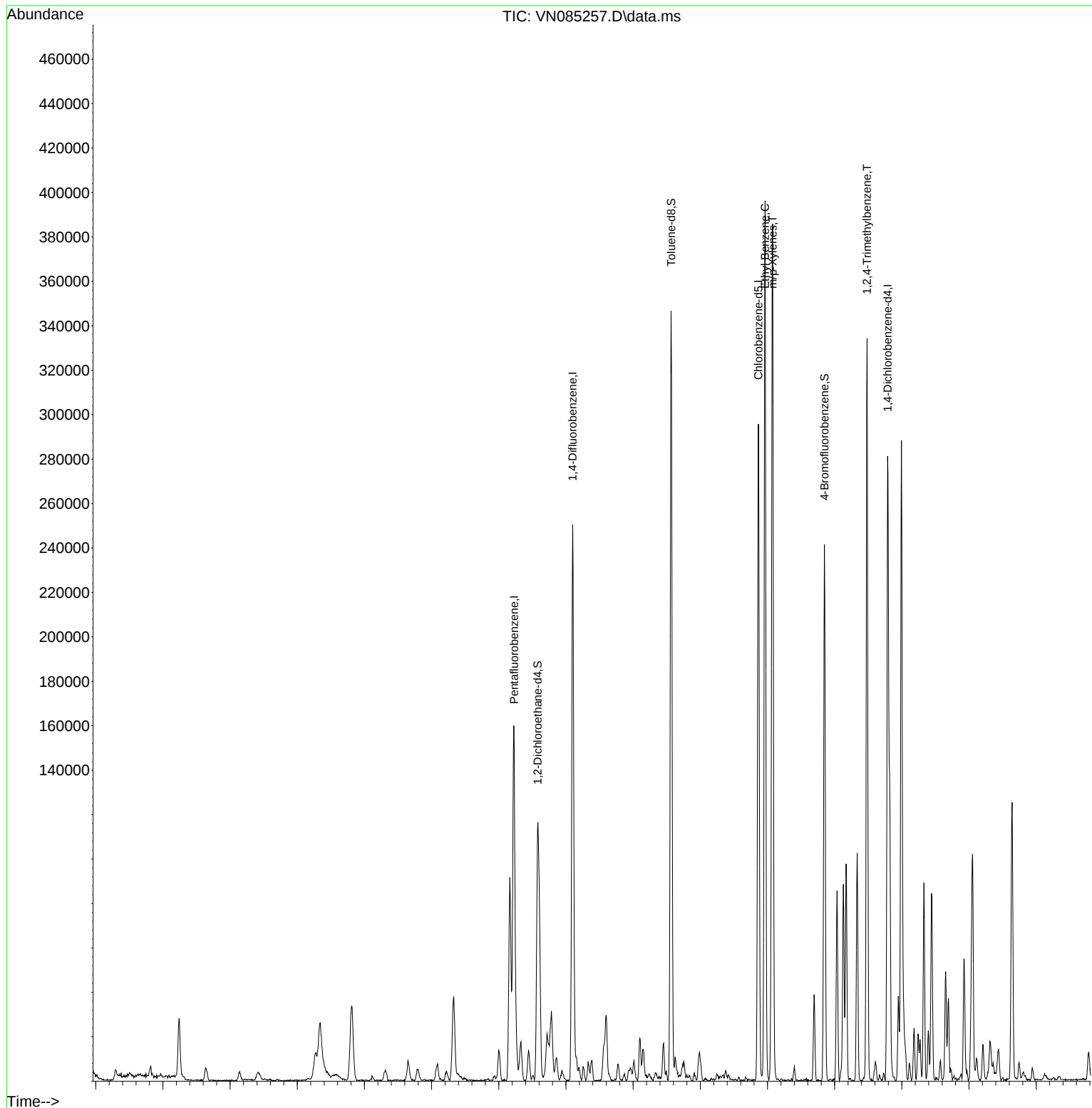
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085257.D
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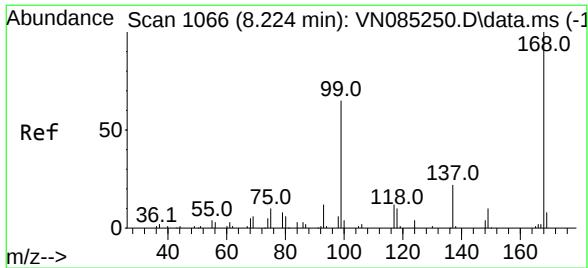
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Quant Time: Dec 19 08:24:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
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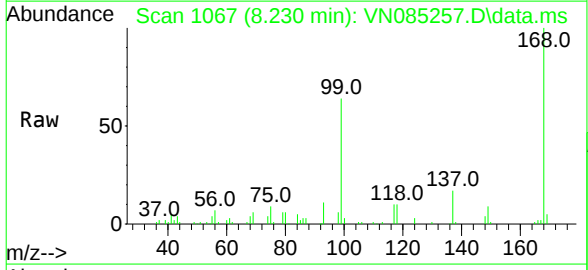
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

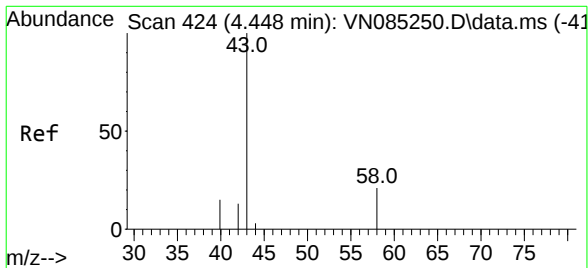
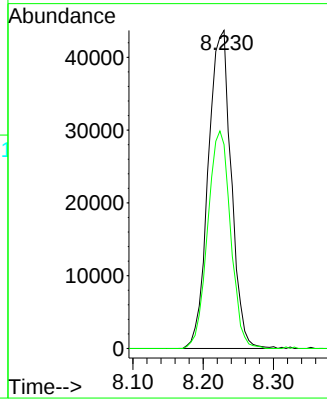
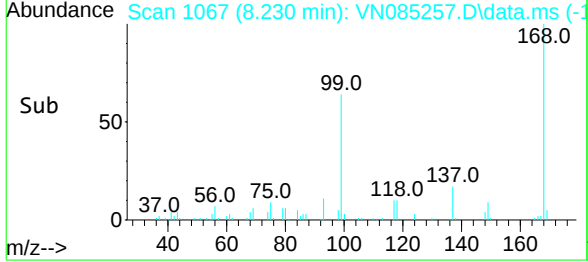
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion: 168 Resp: 99052
Ion Ratio Lower Upper
168 100
99 64.1 50.7 76.1

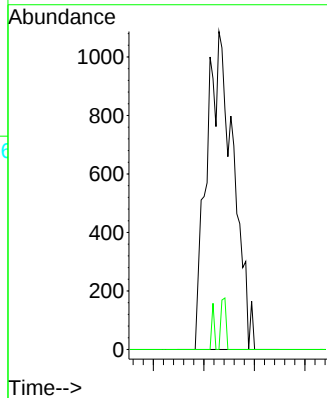
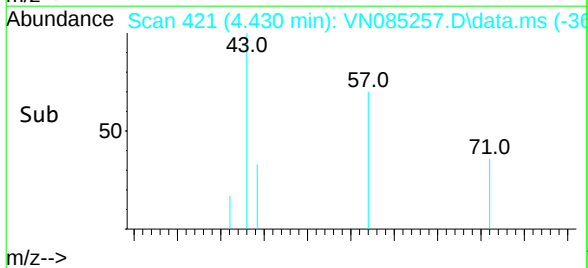
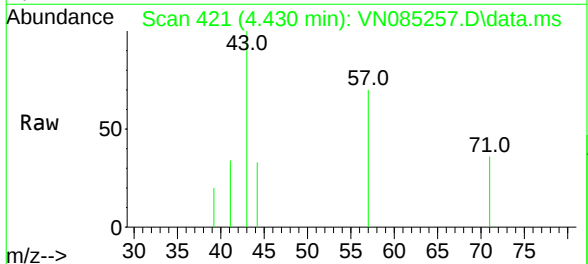
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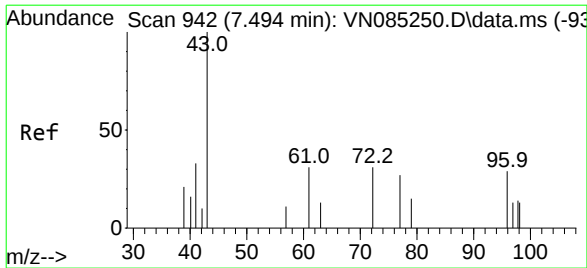
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#16
Acetone
Concen: 6.660 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

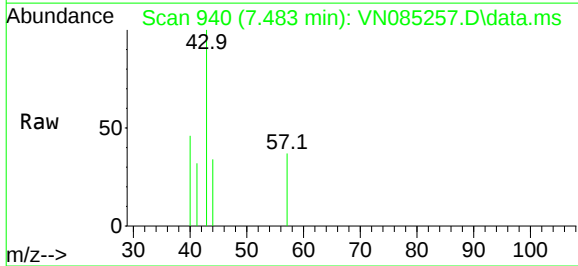
Tgt Ion: 43 Resp: 3980
Ion Ratio Lower Upper
43 100
58 0.0 20.8 31.2#





#25
2-Butanone
Concen: 1.709 ug/l m
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

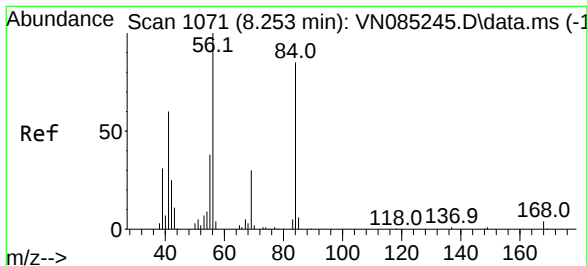
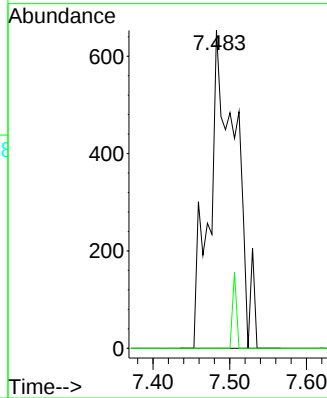
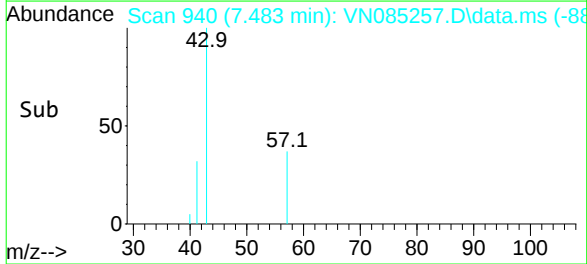
Instrument :
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MW2-20241213DL



Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#

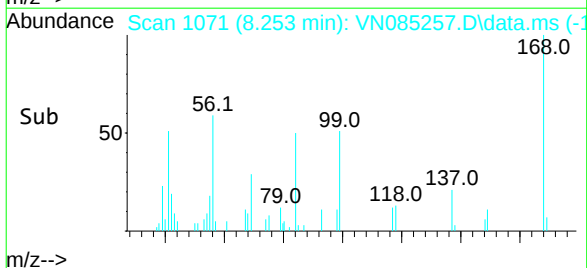
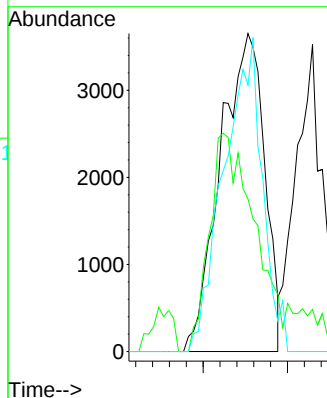
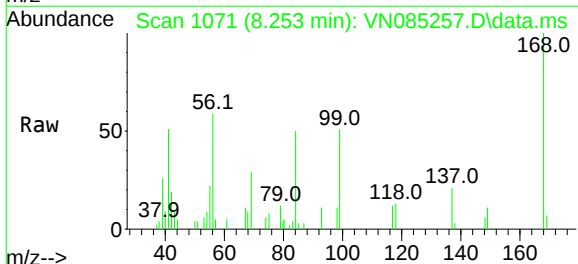
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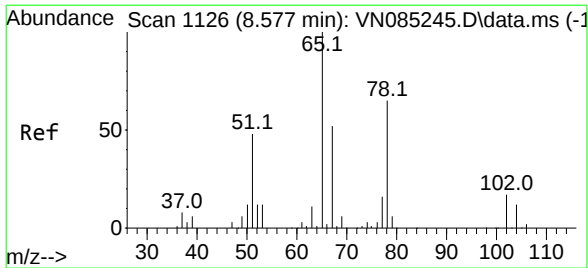
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#31
Cyclohexane
Concen: 5.925 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion: 56 Resp: 13271
Ion Ratio Lower Upper
56 100
69 48.0 23.6 35.4#
84 83.8 66.6 99.8





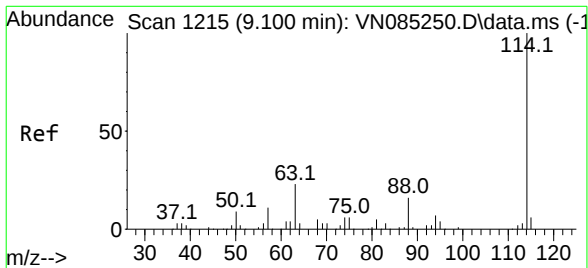
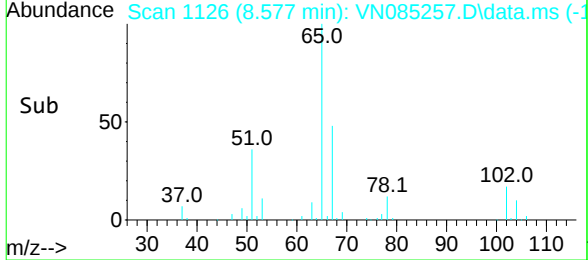
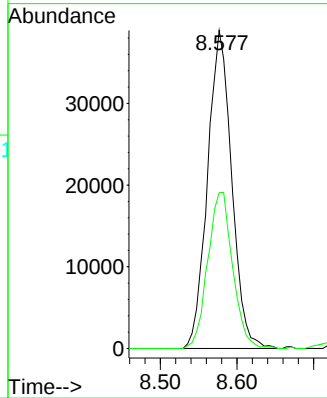
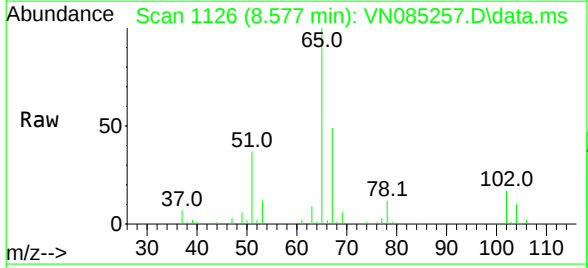
#33
1,2-Dichloroethane-d4
Concen: 49.188 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Instrument :
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ClientSampleId :
MW2-20241213DL

Tgt Ion: 65 Resp: 85158
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.2

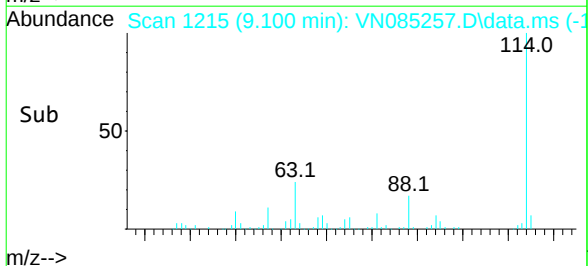
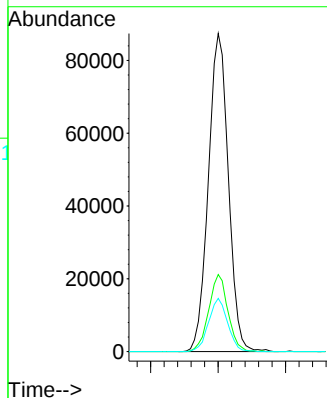
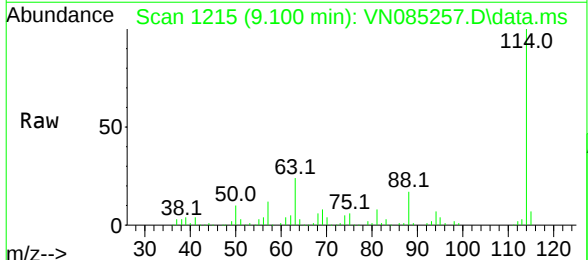
Manual Integrations
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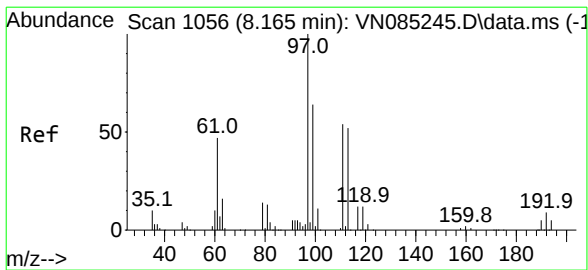
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

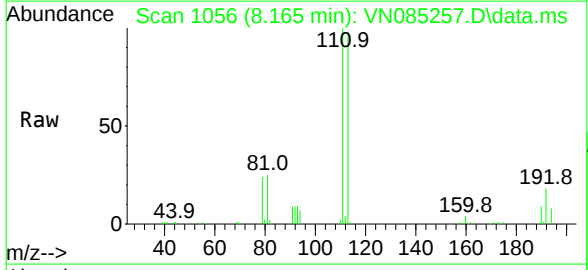
Tgt Ion:114 Resp: 179932
Ion Ratio Lower Upper
114 100
63 24.2 0.0 46.2
88 16.7 0.0 32.6





#35
Dibromofluoromethane
Concen: 48.276 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

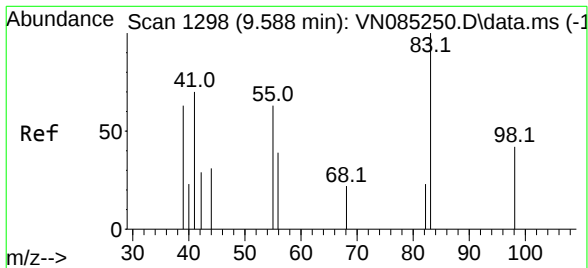
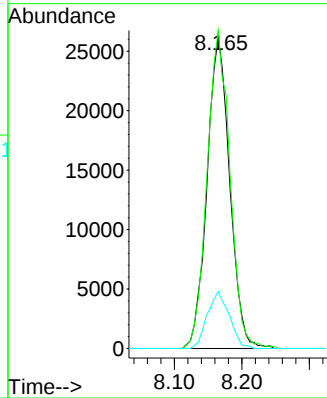
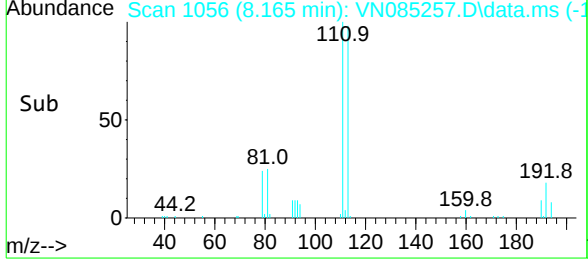
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



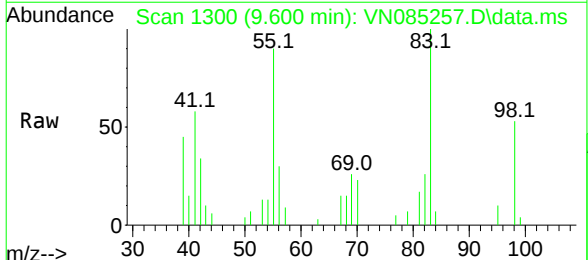
Tgt Ion: 113 Resp: 61070
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 17.8 13.4 20.0

Manual Integrations
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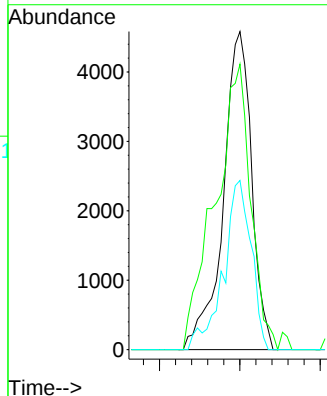
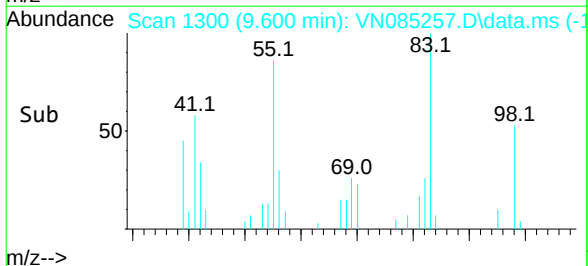
Reviewed By :John Carlone 12/20/2024
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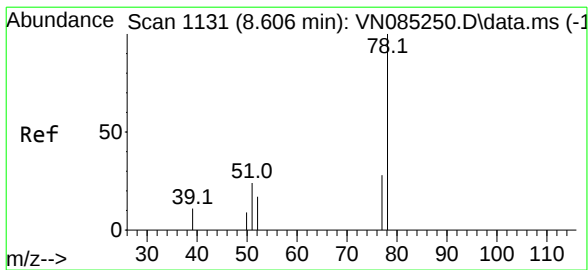


#39
Methylcyclohexane
Concen: 6.130 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56



Tgt Ion: 83 Resp: 11237
Ion Ratio Lower Upper
83 100
55 89.7 66.8 100.2
98 53.2 39.4 59.2





#40

Benzene

Concen: 10.446 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion: 78 Resp: 57241

Ion Ratio Lower Upper

78 100

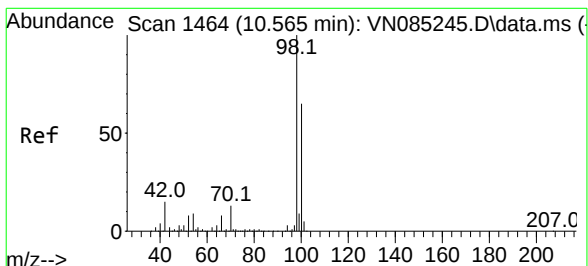
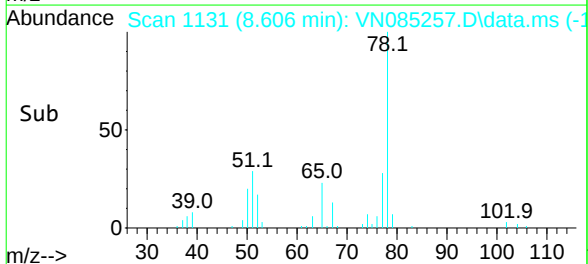
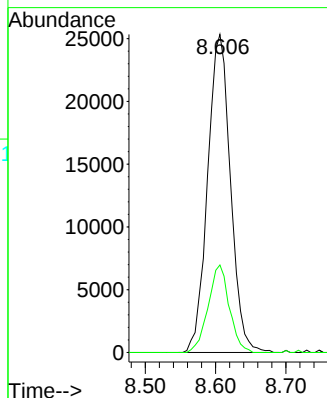
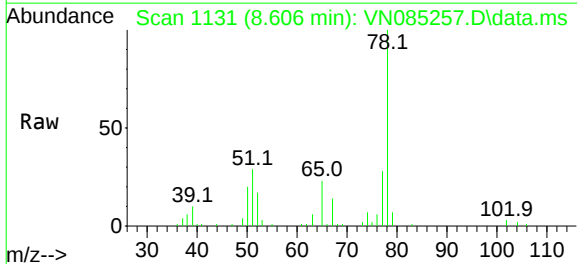
77 27.5 18.9 28.3

Manual Integrations

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Supervised By :Mahesh Dadoda 12/20/2024



#50

Toluene-d8

Concen: 48.588 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085257.D

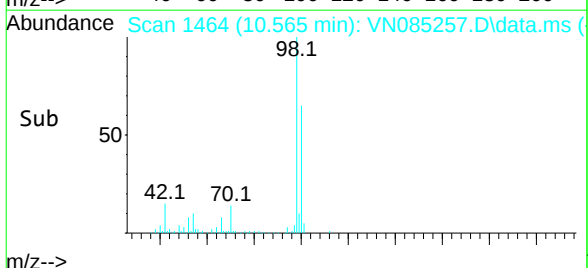
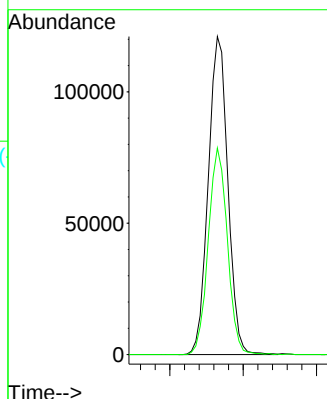
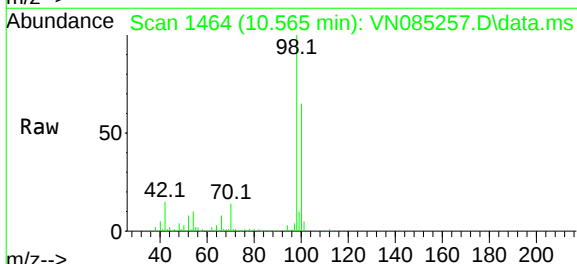
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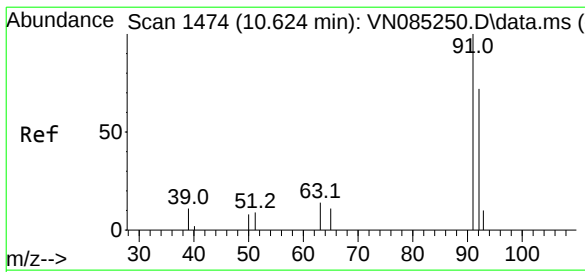
Tgt Ion: 98 Resp: 224651

Ion Ratio Lower Upper

98 100

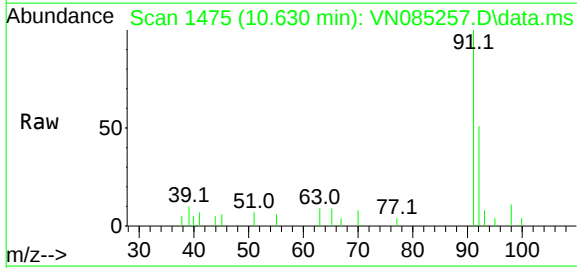
100 63.4 51.6 77.4





#52
Toluene
Concen: 1.057 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

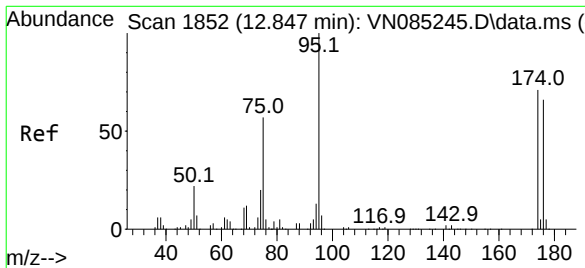
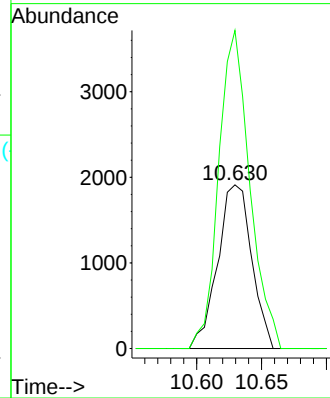
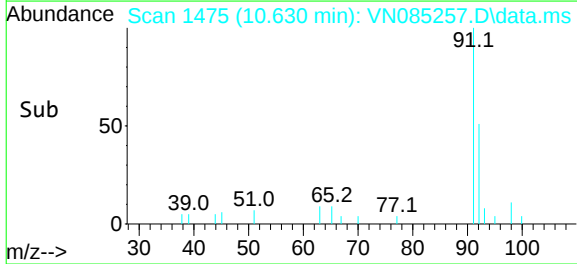
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Tgt Ion: 92 Resp: 3482
Ion Ratio Lower Upper
92 100
91 178.0 138.9 208.3

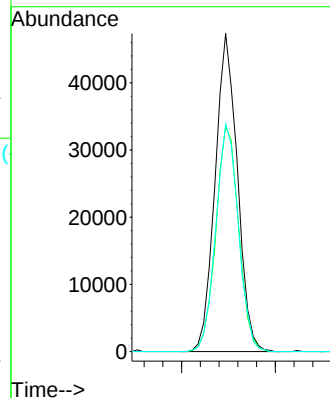
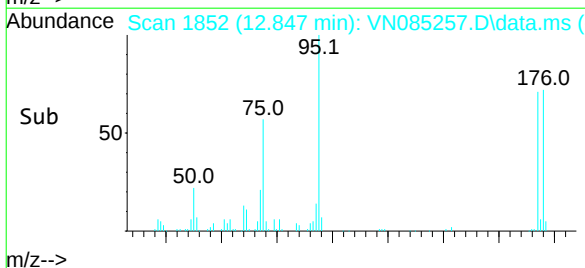
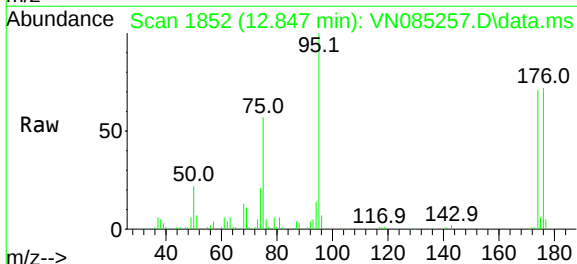
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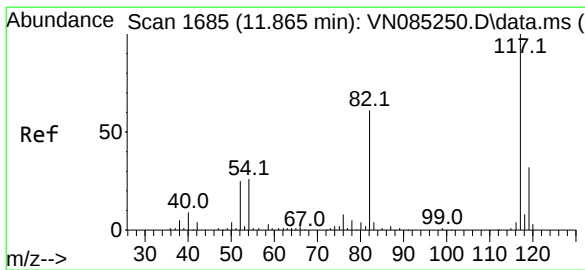
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#62
4-Bromofluorobenzene
Concen: 47.345 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

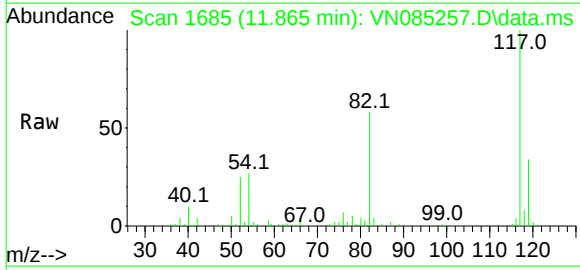
Tgt Ion: 95 Resp: 78187
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.4
176 72.3 0.0 136.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

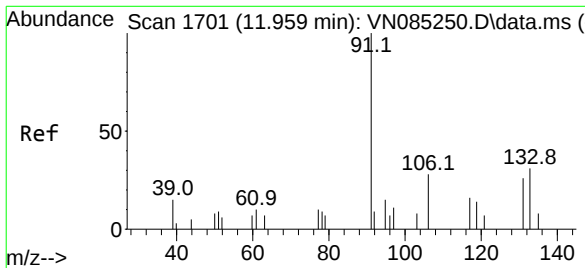
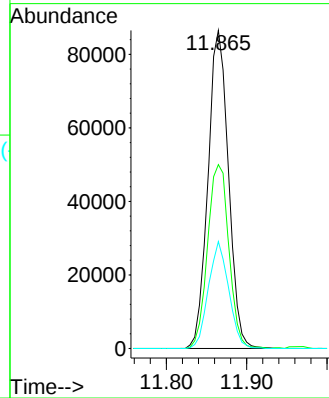
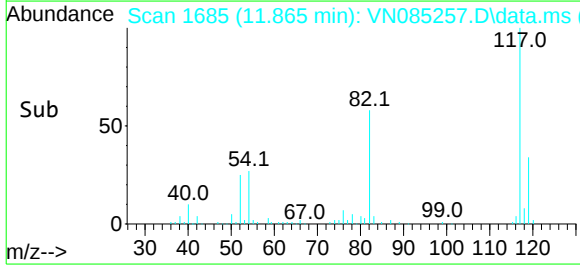
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Tgt Ion: 117 Resp: 153337
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 33.6 25.6 38.4

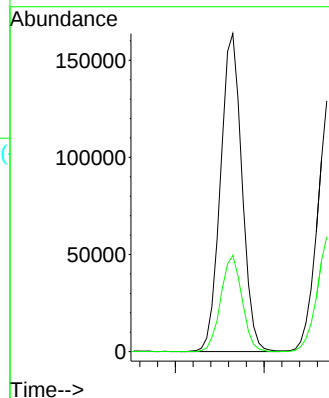
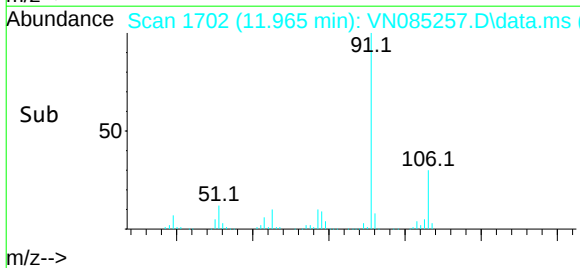
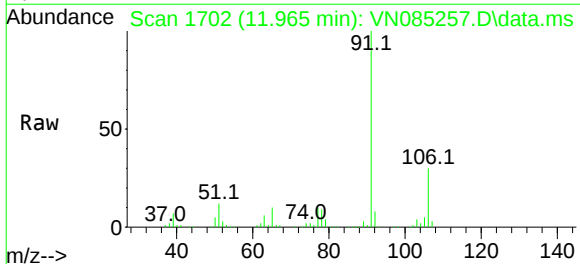
Manual Integrations
APPROVED

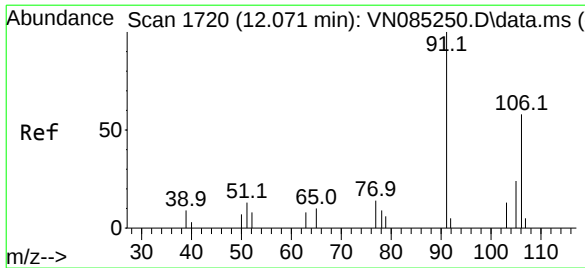
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#67
Ethyl Benzene
Concen: 46.571 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion: 91 Resp: 275136
Ion Ratio Lower Upper
91 100
106 30.2 23.5 35.3





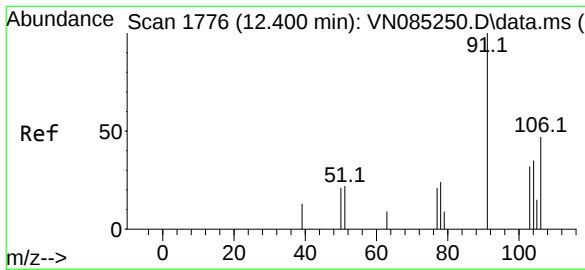
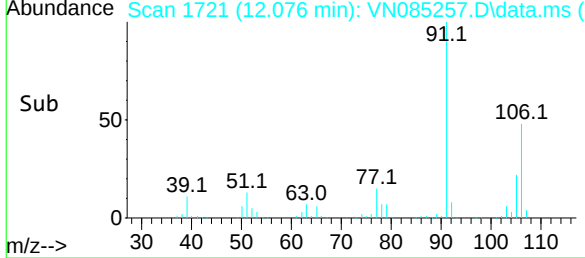
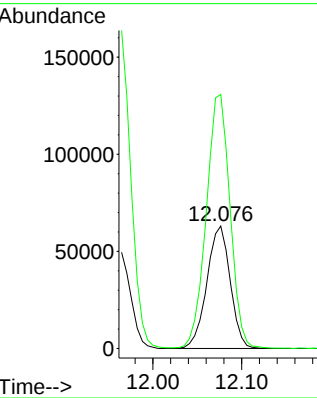
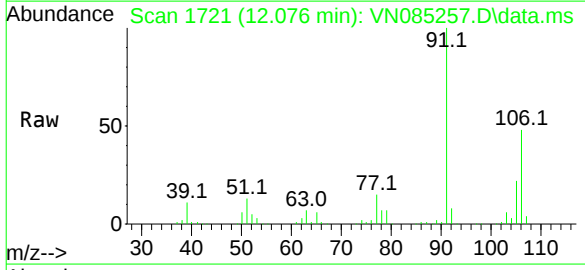
#68
m/p-Xylenes
Concen: 52.044 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL

Tgt Ion:106 Resp: 114997
Ion Ratio Lower Upper
106 100
91 212.0 168.3 252.5

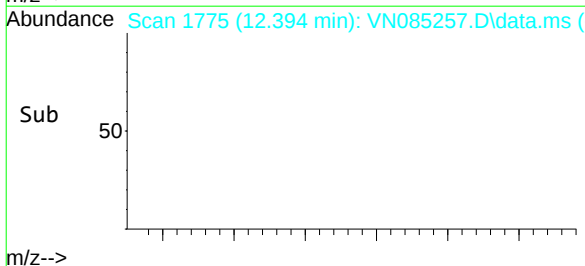
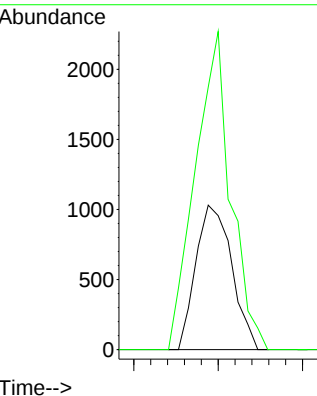
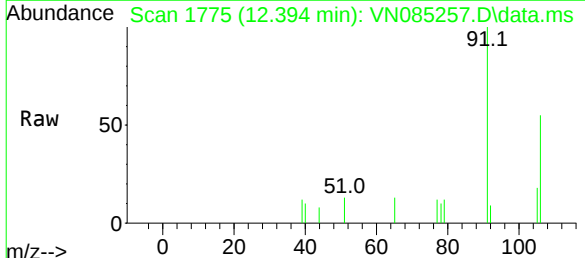
Manual Integrations
APPROVED

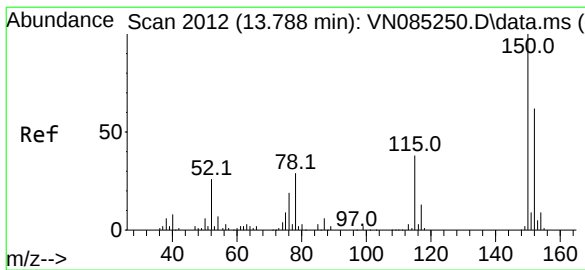
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#69
o-Xylene
Concen: 0.734 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

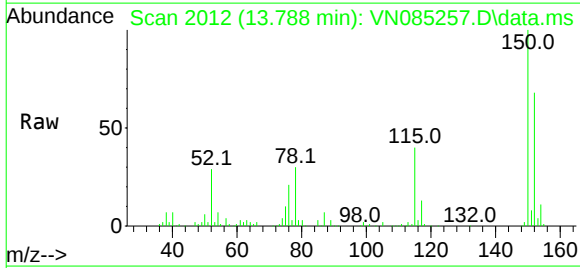
Tgt Ion:106 Resp: 1524
Ion Ratio Lower Upper
106 100
91 217.4 112.1 336.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

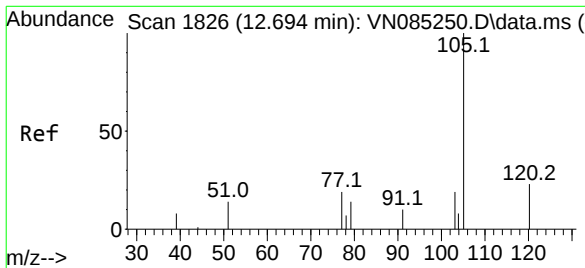
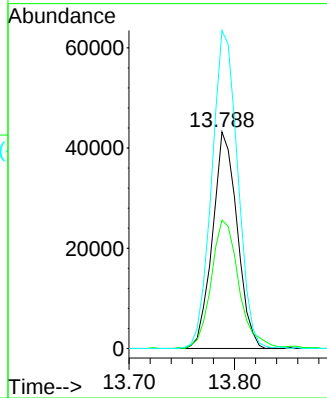
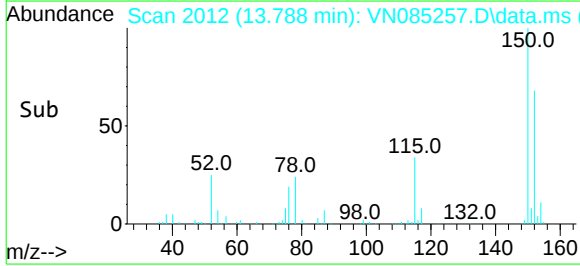
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion:152 Resp: 70062
Ion Ratio Lower Upper
152 100
115 66.5 32.1 96.3
150 155.1 0.0 354.6

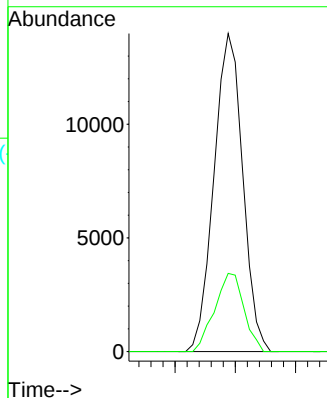
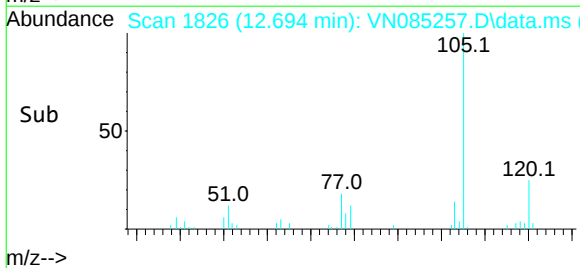
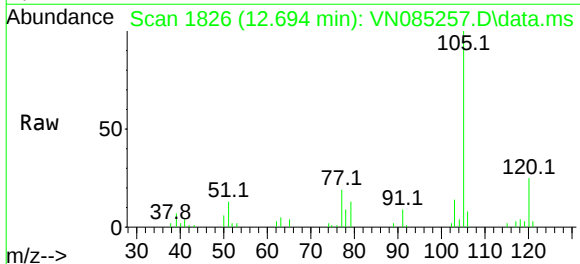
Manual Integrations
APPROVED

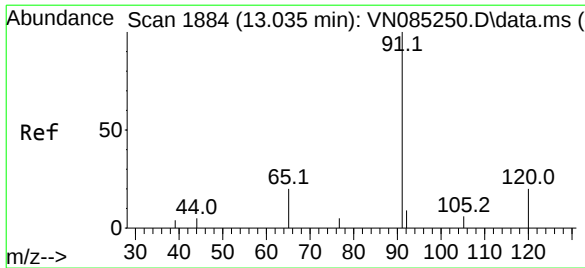
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#73
Isopropylbenzene
Concen: 4.588 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion:105 Resp: 23186
Ion Ratio Lower Upper
105 100
120 25.0 13.0 38.9





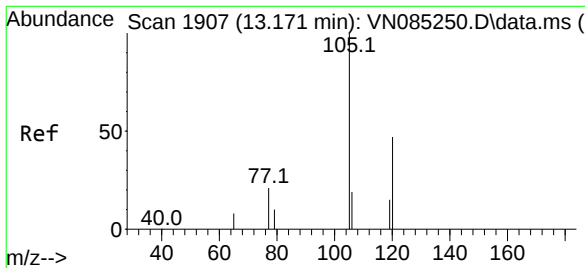
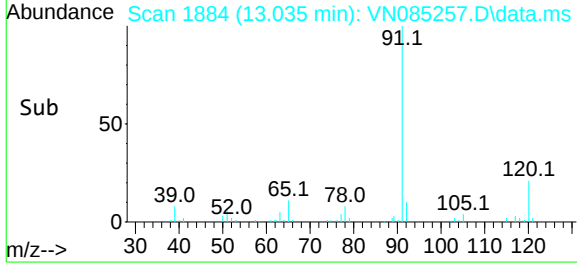
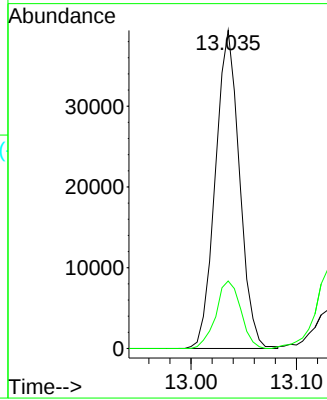
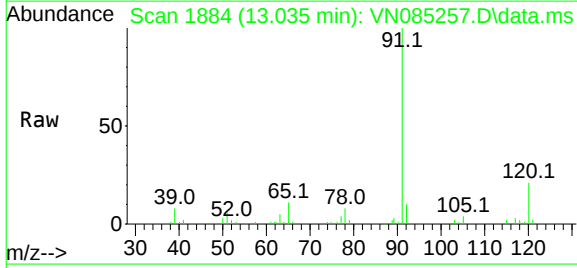
#78
n-propylbenzene
Concen: 10.096 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL

Tgt Ion: 91 Resp: 62580
Ion Ratio Lower Upper
91 100
120 21.8 10.8 32.3

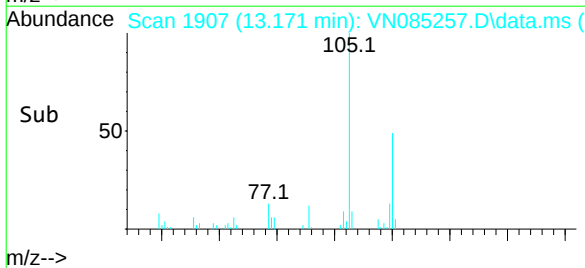
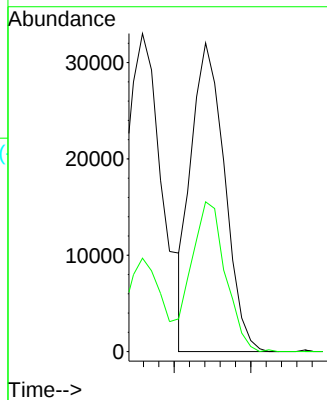
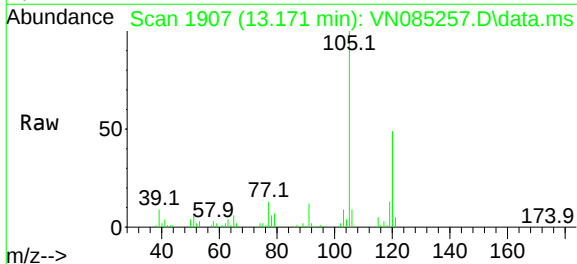
Manual Integrations
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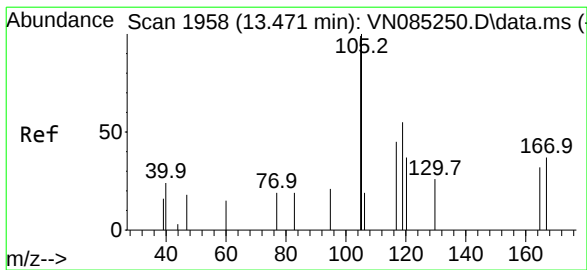
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#80
1,3,5-Trimethylbenzene
Concen: 11.478 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion:105 Resp: 48387
Ion Ratio Lower Upper
105 100
120 50.7 23.4 70.2





#84

1,2,4-Trimethylbenzene

Concen: 41.112 ug/l

RT: 13.482 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion:105 Resp: 177154

Ion Ratio Lower Upper

105 100

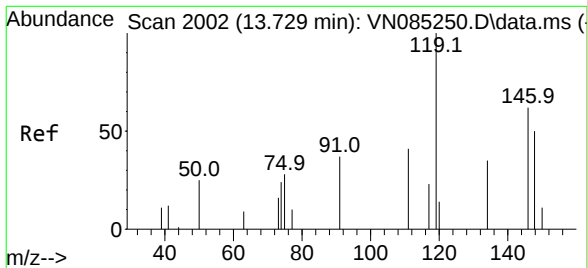
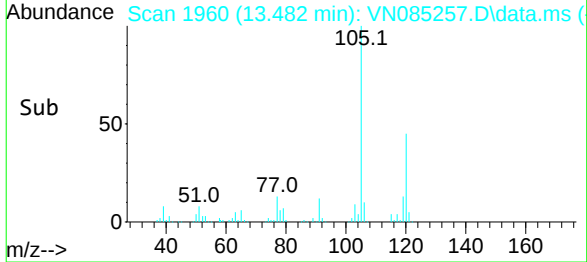
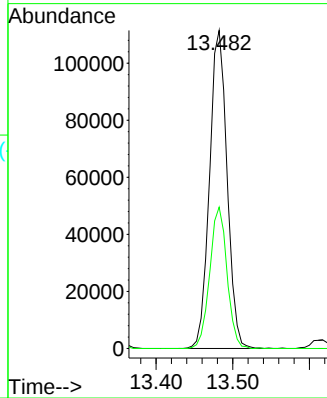
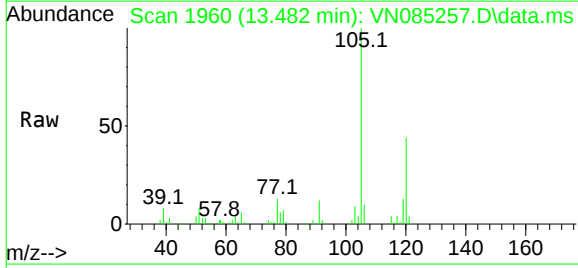
120 43.7 21.8 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#86

p-Isopropyltoluene

Concen: 2.256 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

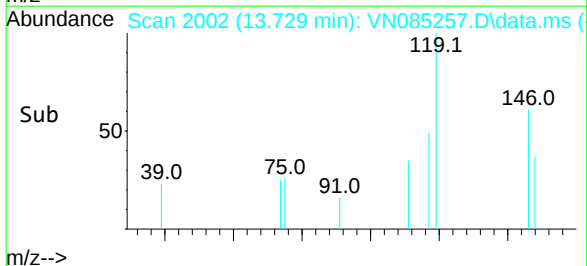
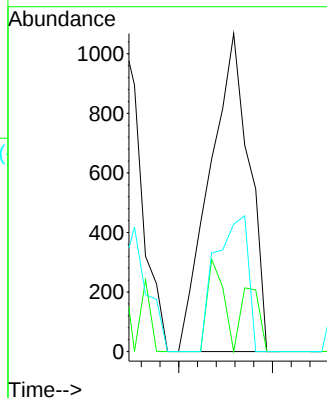
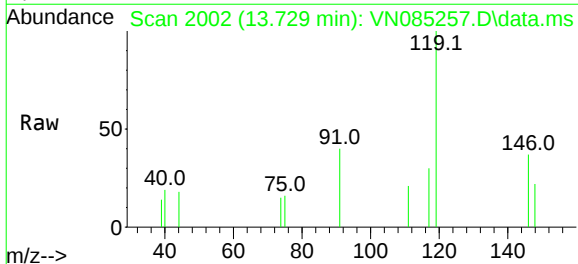
Tgt Ion:119 Resp: 1553

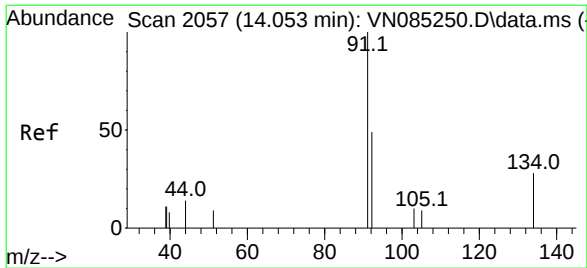
Ion Ratio Lower Upper

119 100

134 12.0 12.5 37.5#

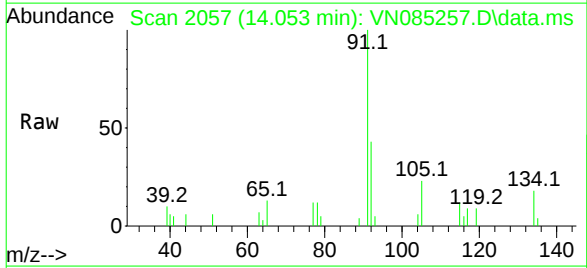
91 0.0 13.0 38.9#





#89
n-Butylbenzene
Concen: 1.871 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion:	91	Resp:	6858
Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.8	77.3
134	0.0	12.0	36.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

