

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080461.D
 Acq On : 13 Dec 2023 14:54
 Operator : JC\MD
 Sample : 05670-04 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5B

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 04:07:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	213384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	392129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	418764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	171828	63.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.100%#			
35) Dibromofluoromethane	8.171	113	144904	58.282	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.560%			
50) Toluene-d8	10.571	98	522448	56.344	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.680%			
62) 4-Bromofluorobenzene	12.847	95	223902	63.591	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 127.180%#			
Target Compounds					Qvalue	
31) Cyclohexane	8.253	56	30662	8.273	ug/l	95
39) Methylcyclohexane	9.600	83	21236	5.029	ug/l #	89
40) Benzene	8.612	78	2812	0.240	ug/l	98
52) Toluene	10.629	92	52961	7.142	ug/l	98
67) Ethyl Benzene	11.965	91	351232	20.505	ug/l	94
68) m/p-Xylenes	12.071	106	170476	26.934	ug/l	89
69) o-Xylene	12.400	106	64286	10.384	ug/l	88
73) Isopropylbenzene	12.694	105	28303	1.710	ug/l	100
78) n-propylbenzene	13.035	91	129336	7.089	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	14082	0.988	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	551367	38.888	ug/l	99
85) sec-Butylbenzene	13.618	105	8958m	0.600	ug/l	
86) p-Isopropyltoluene	13.729	119	5781	0.429	ug/l #	75
89) n-Butylbenzene	14.059	91	3498m	0.311	ug/l	

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

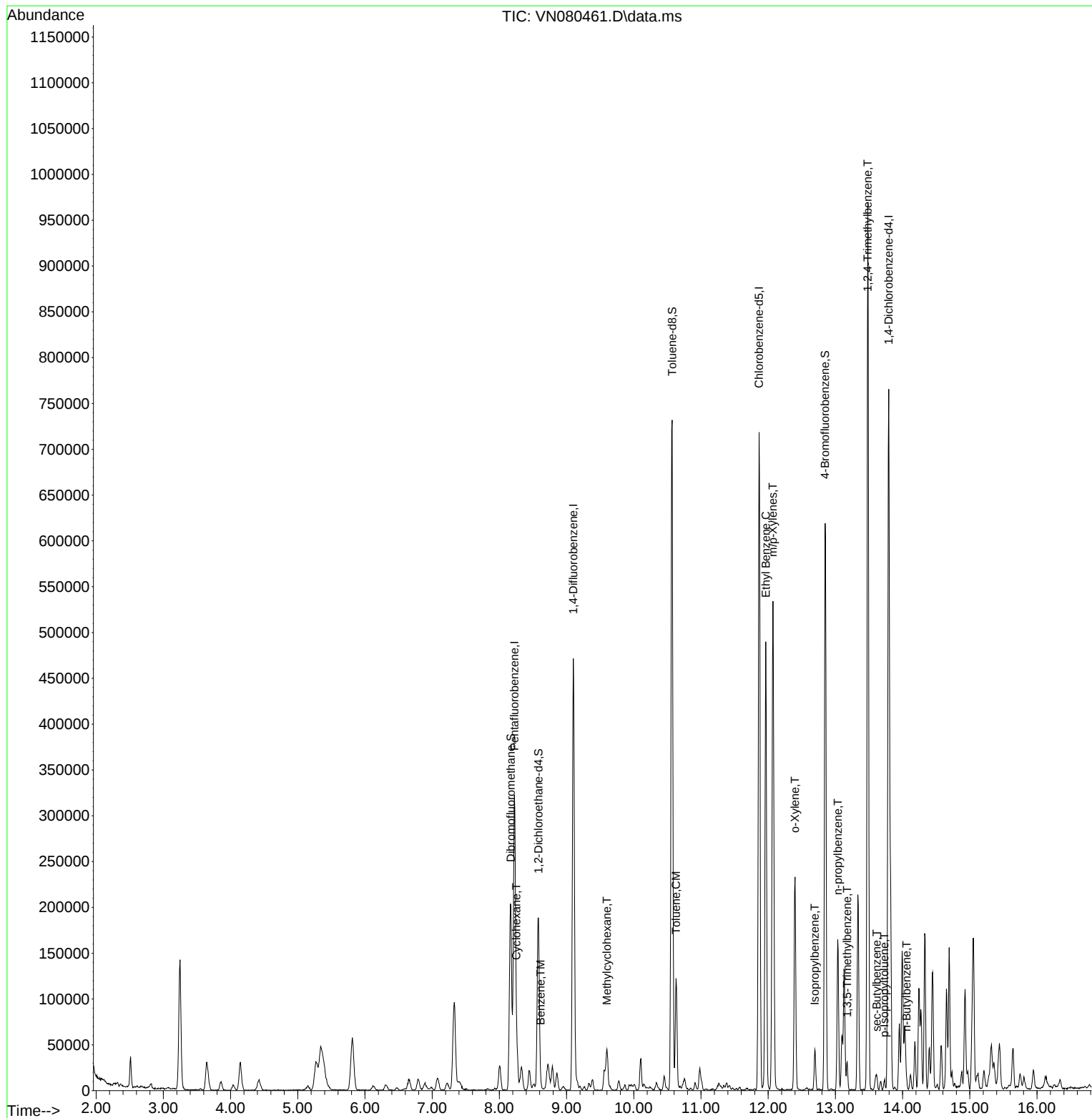
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
Data File : VN080461.D
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Sample : 05670-04 20X
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ALS Vial : 13 Sample Multiplier: 1

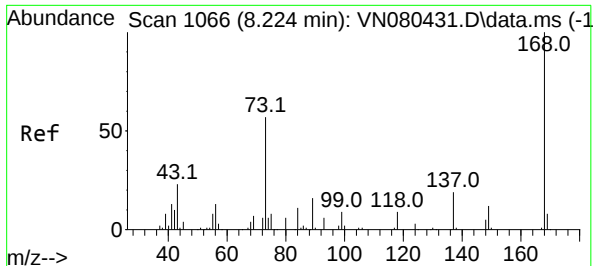
Instrument :
MSVOA_N
ClientSampleId :
MW-5B

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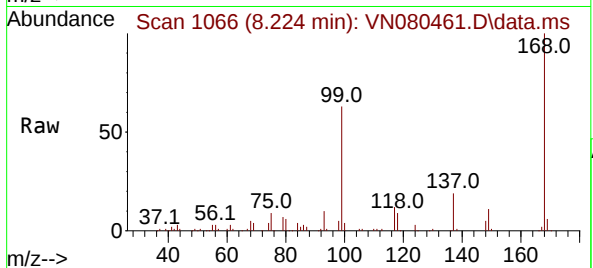
Quant Time: Dec 14 04:07:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

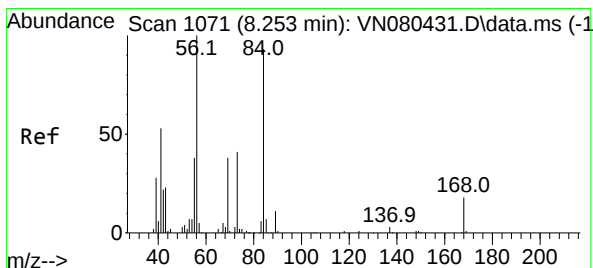
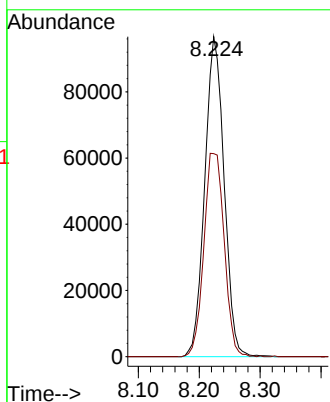
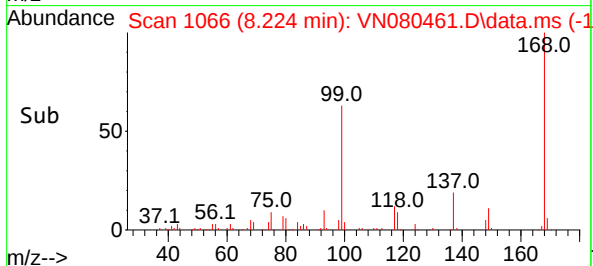
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



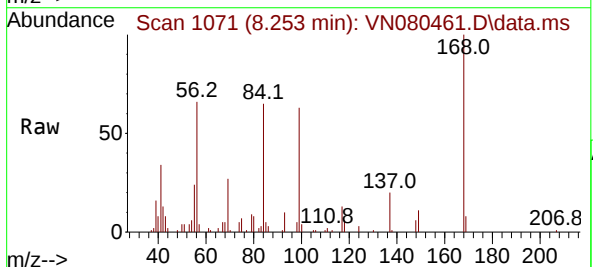
Tgt Ion:168 Resp: 213384
Ion Ratio Lower Upper
168 100
99 63.4 53.0 79.6

Manual Integrations
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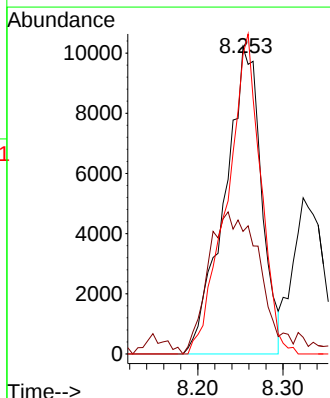
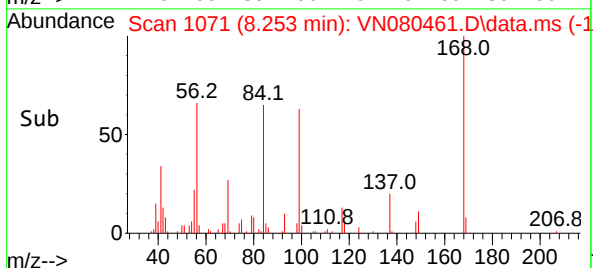
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

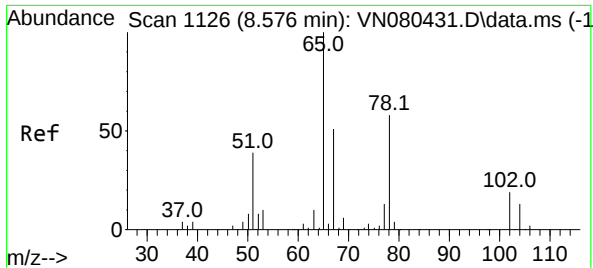


#31
Cyclohexane
Concen: 8.273 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54



Tgt Ion: 56 Resp: 30662
Ion Ratio Lower Upper
56 100
69 37.7 26.8 40.2
84 97.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 63.047 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080461.D

Acq: 13 Dec 2023 14:54

Instrument :

MSVOA_N

ClientSampleId :

MW-5B

Tgt Ion: 65 Resp: 171828

Ion Ratio Lower Upper

65 100

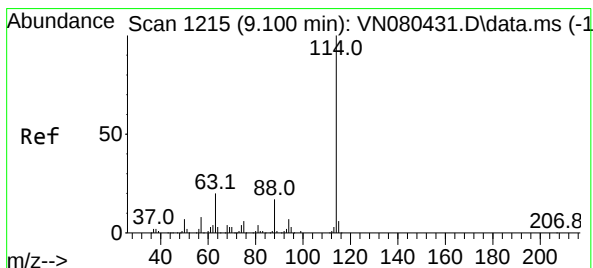
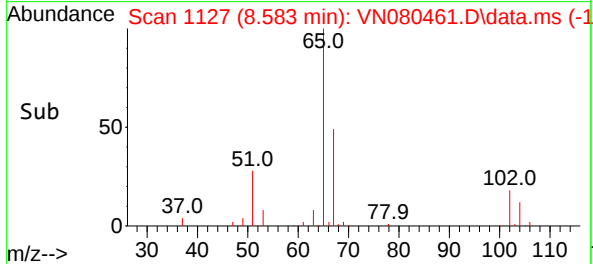
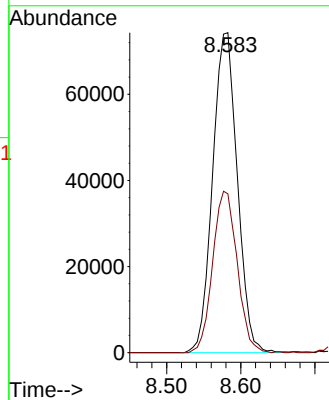
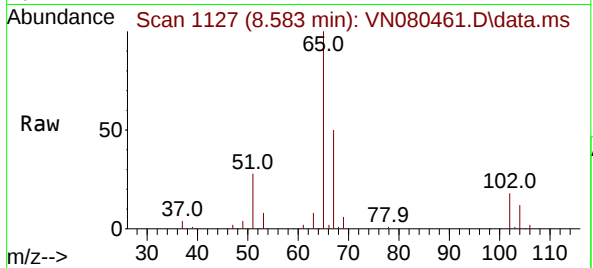
67 50.1 0.0 106.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080461.D

Acq: 13 Dec 2023 14:54

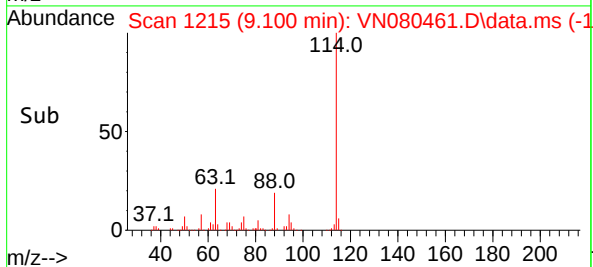
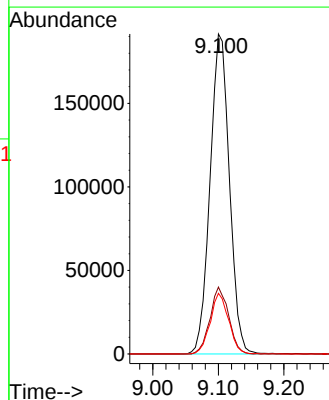
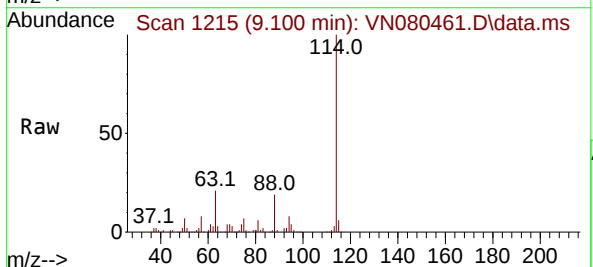
Tgt Ion:114 Resp: 392129

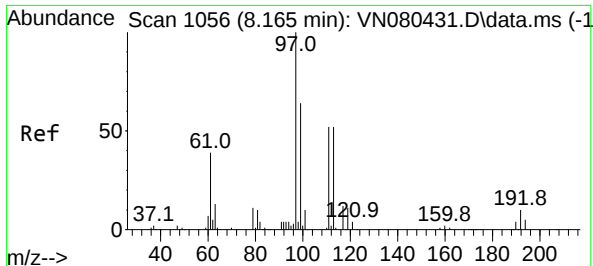
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 18.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.282 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN080461.D

Acq: 13 Dec 2023 14:54

Instrument :

MSVOA_N

ClientSampleId :

MW-5B

Tgt Ion: 113 Resp: 144904

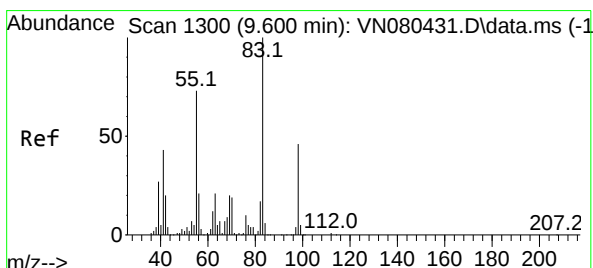
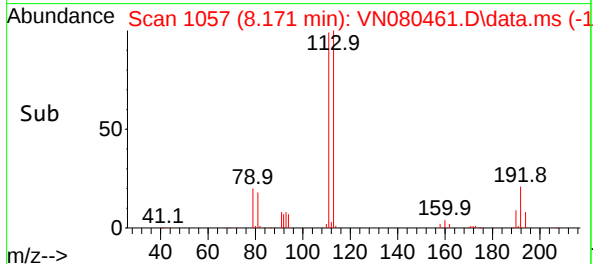
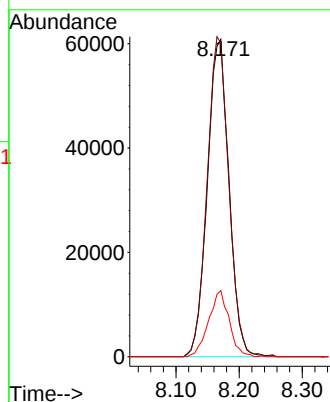
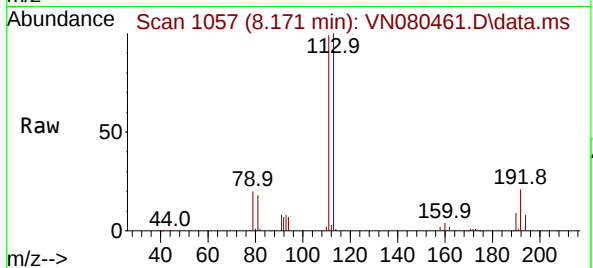
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	123.8
192	19.7	12.7	19.1

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#39

Methylcyclohexane

Concen: 5.029 ug/l

RT: 9.600 min Scan# 1300

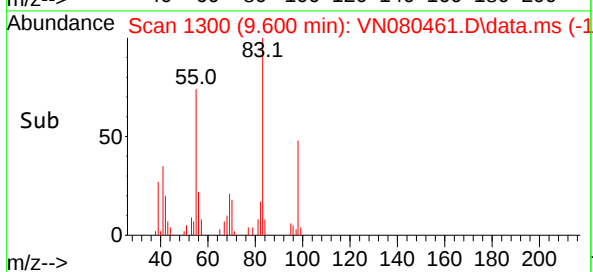
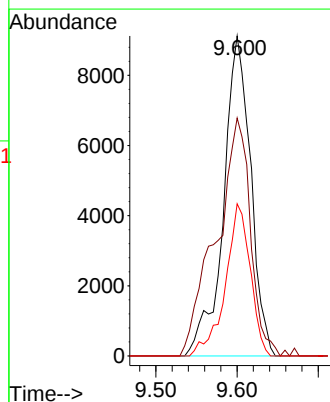
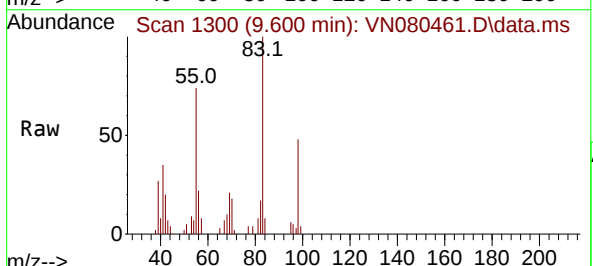
Delta R.T. 0.000 min

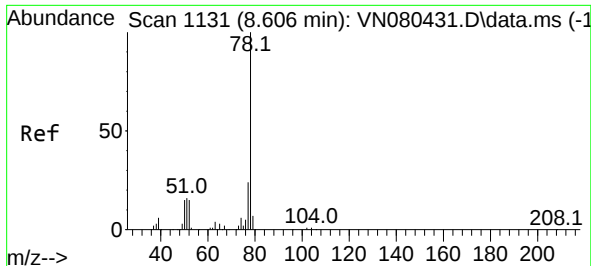
Lab File: VN080461.D

Acq: 13 Dec 2023 14:54

Tgt Ion: 83 Resp: 21236

Ion	Ratio	Lower	Upper
83	100		
55	74.4	49.1	73.7
98	47.5	40.6	61.0





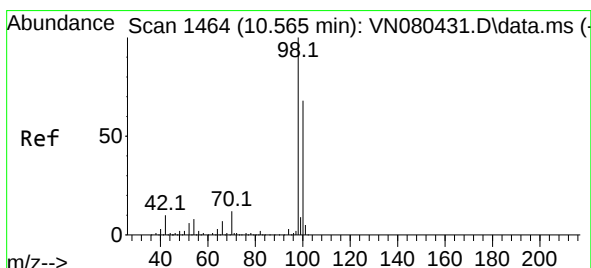
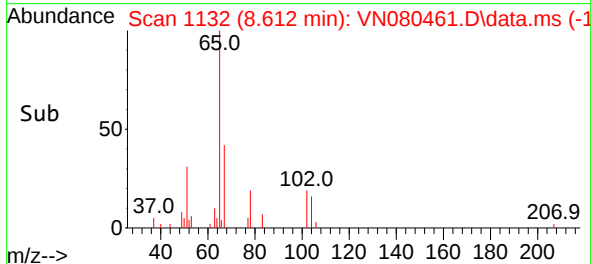
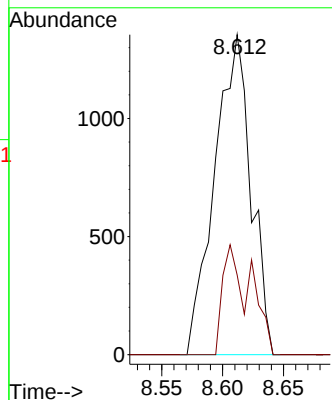
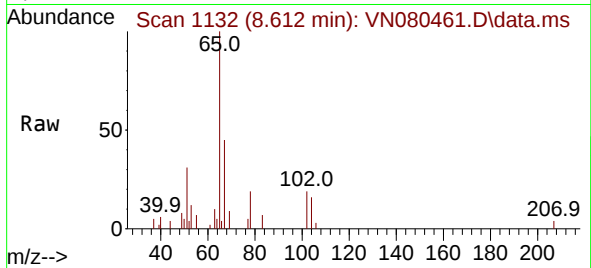
#40
Benzene
Concen: 0.240 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion: 78 Resp: 281
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6

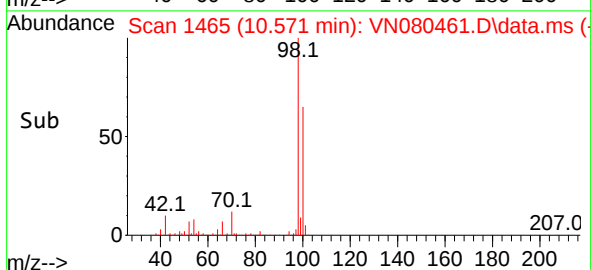
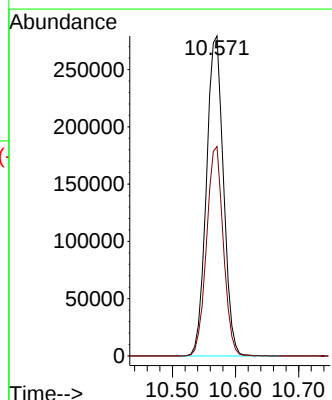
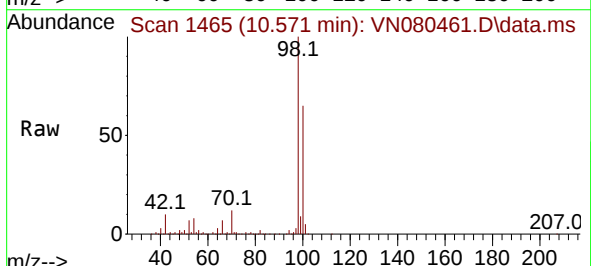
Manual Integrations
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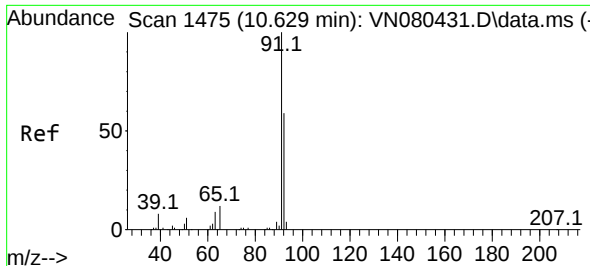
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#50
Toluene-d8
Concen: 56.344 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

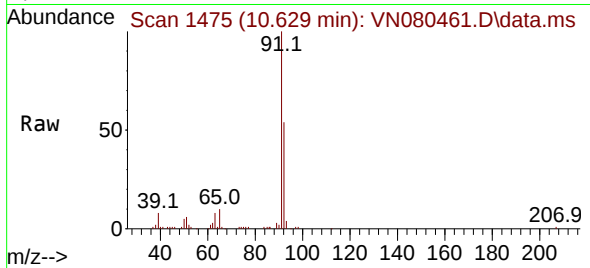
Tgt Ion: 98 Resp: 522448
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#52
Toluene
Concen: 7.142 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

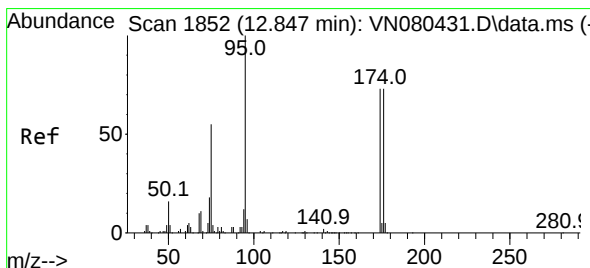
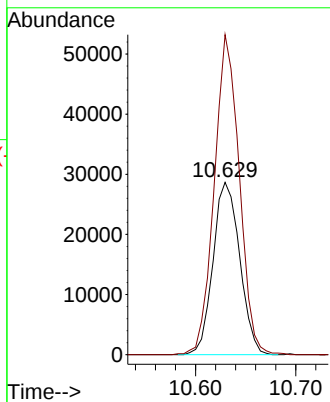
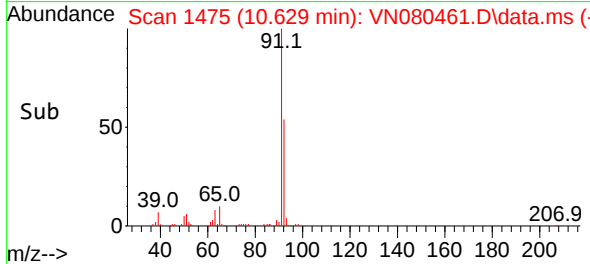
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



Tgt Ion: 92 Resp: 52963
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0

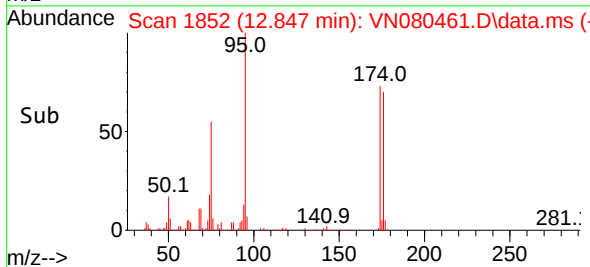
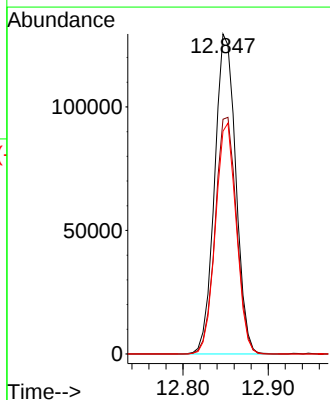
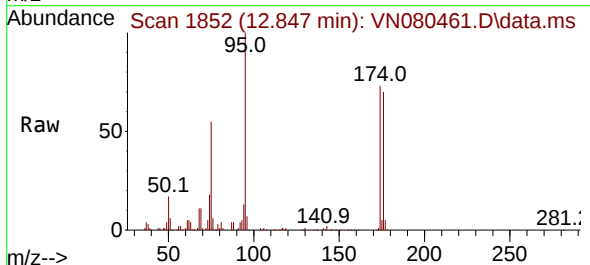
Manual Integrations
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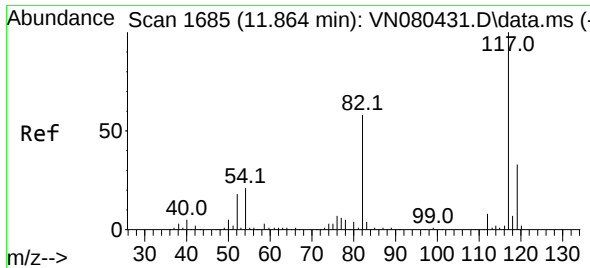
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#62
4-Bromofluorobenzene
Concen: 63.591 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

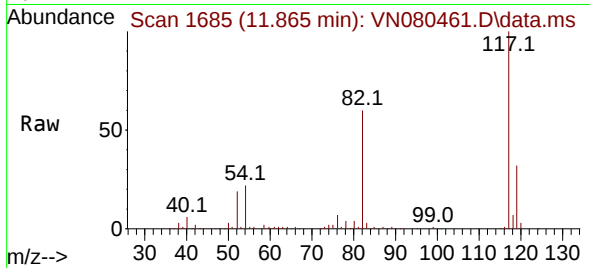
Tgt Ion: 95 Resp: 223902
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 70.9 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

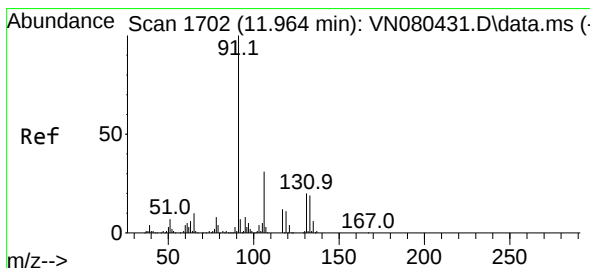
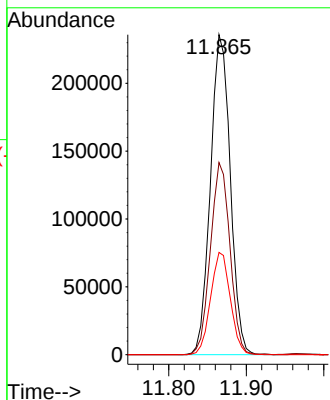
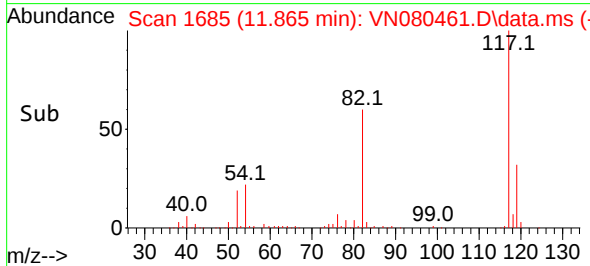
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



Tgt Ion:117 Resp: 418764
Ion Ratio Lower Upper
117 100
82 60.1 44.0 66.0
119 32.0 25.6 38.4

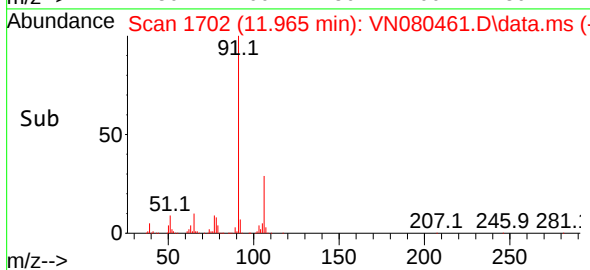
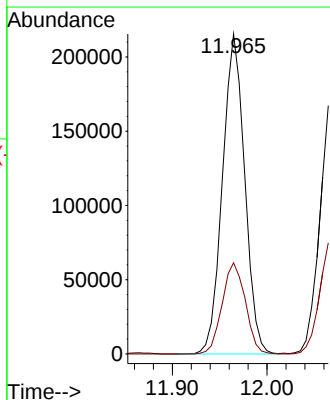
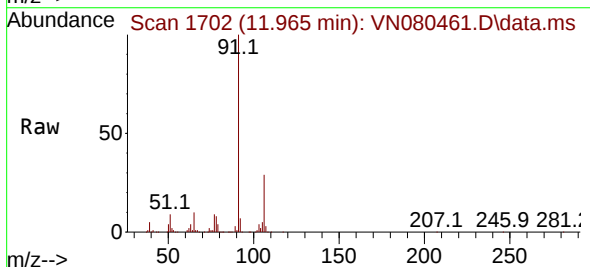
Manual Integrations
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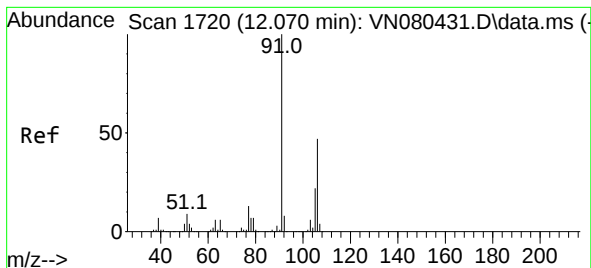
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#67
Ethyl Benzene
Concen: 20.505 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

Tgt Ion: 91 Resp: 351232
Ion Ratio Lower Upper
91 100
106 28.5 25.6 38.4





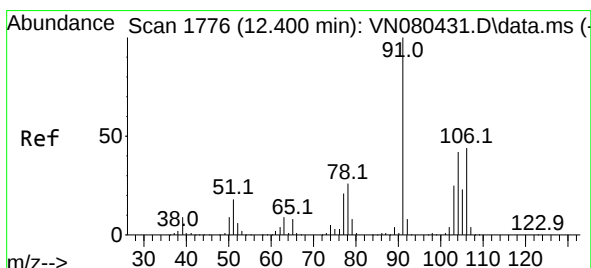
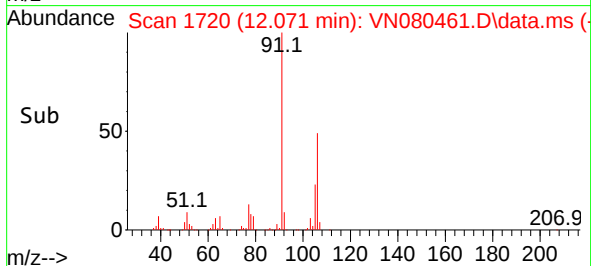
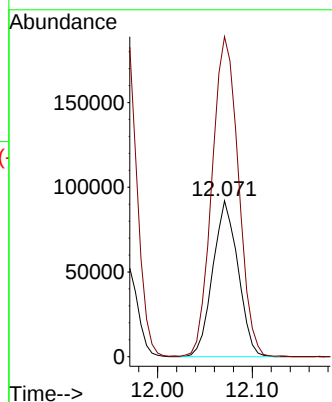
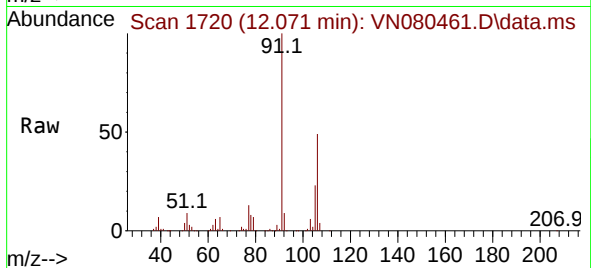
#68
m/p-Xylenes
Concen: 26.934 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion:106 Resp: 170470
Ion Ratio Lower Upper
106 100
91 215.4 159.6 239.4

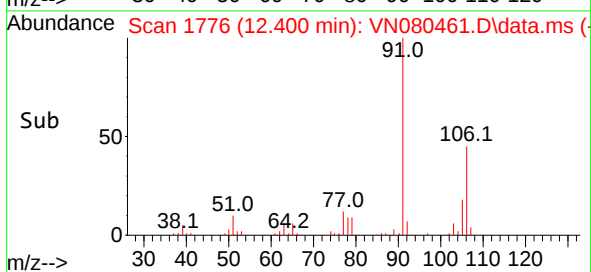
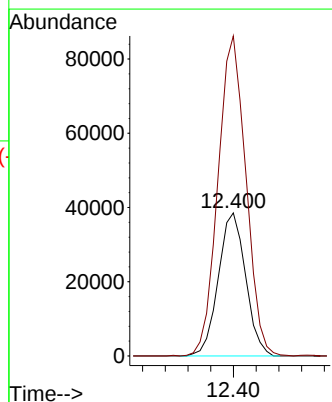
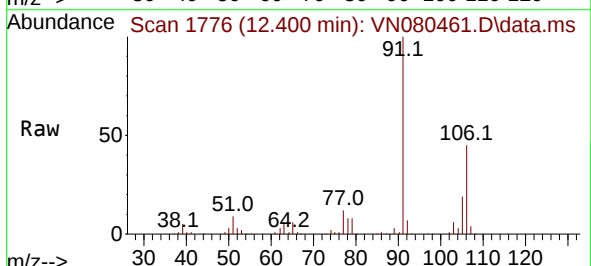
Manual Integrations
APPROVED

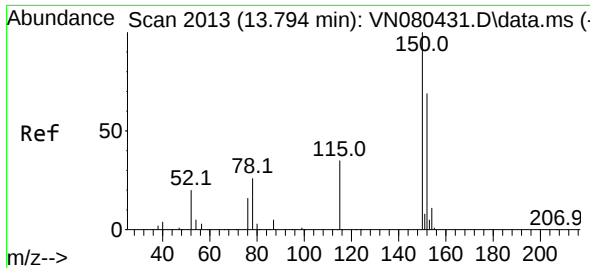
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#69
o-Xylene
Concen: 10.384 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

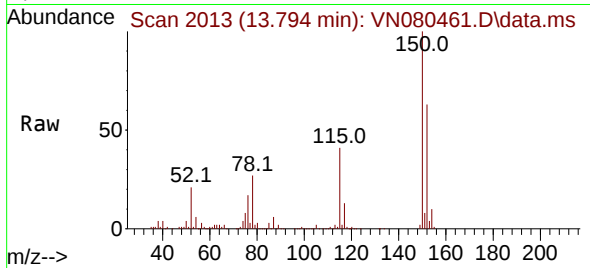
Tgt Ion:106 Resp: 64286
Ion Ratio Lower Upper
106 100
91 229.2 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

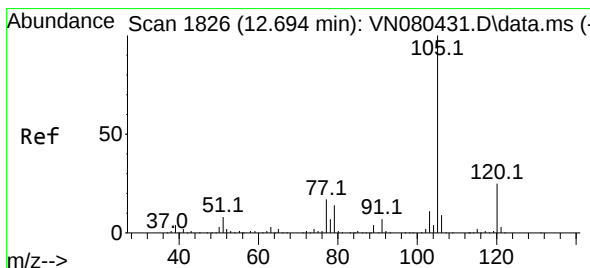
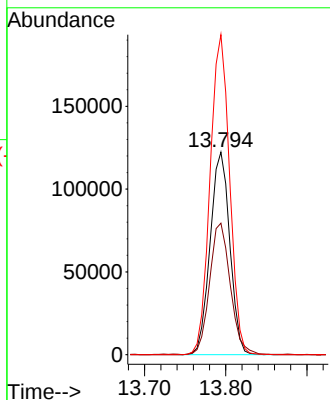
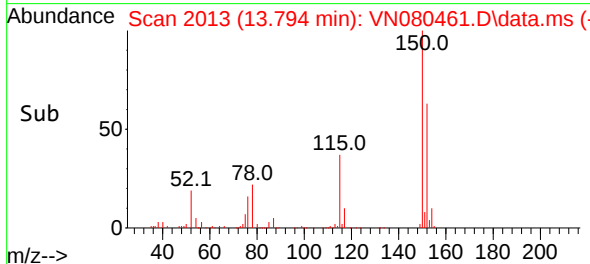
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



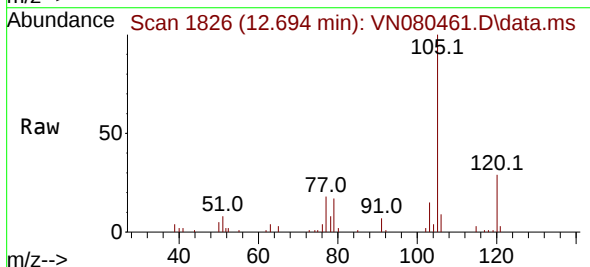
Tgt Ion:152 Resp: 20599
Ion Ratio Lower Upper
152 100
115 68.4 32.3 96.8
150 156.3 0.0 355.8

Manual Integrations
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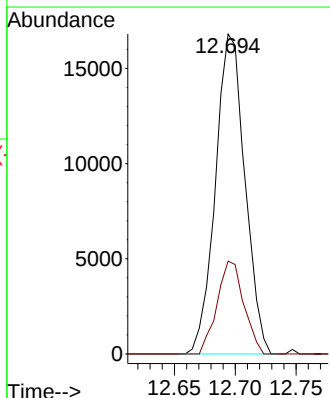
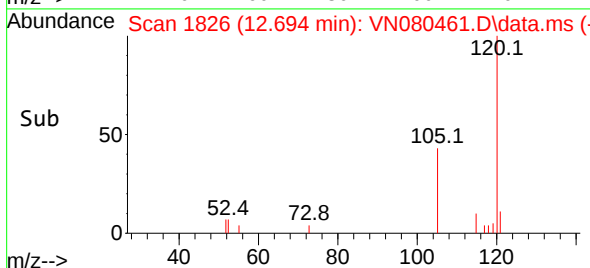
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

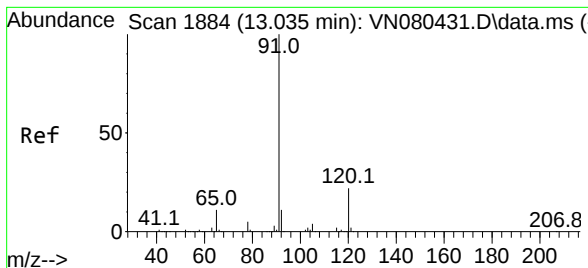


#73
Isopropylbenzene
Concen: 1.710 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54



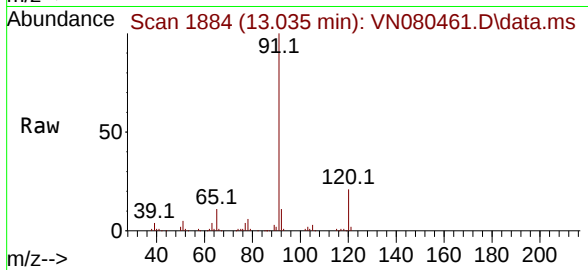
Tgt Ion:105 Resp: 28303
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.1





#78
n-propylbenzene
Concen: 7.089 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

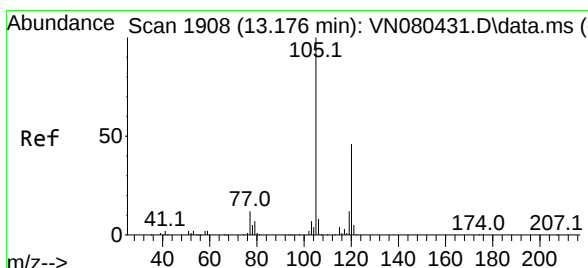
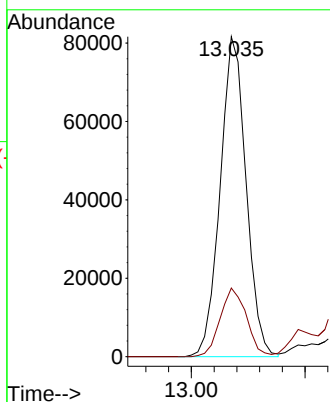
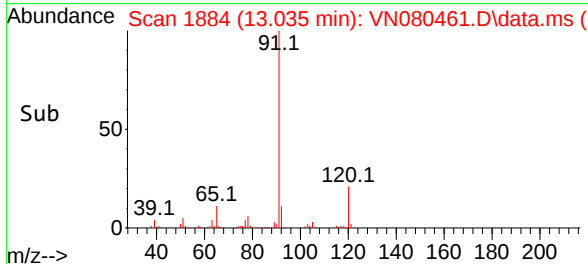
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



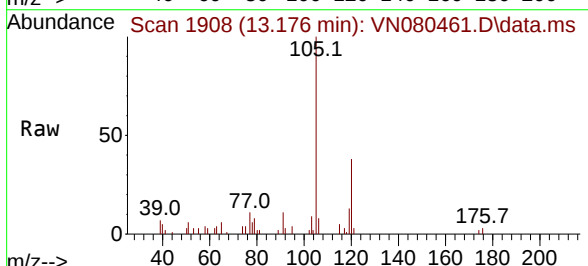
Tgt Ion: 91 Resp: 129330
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4

Manual Integrations
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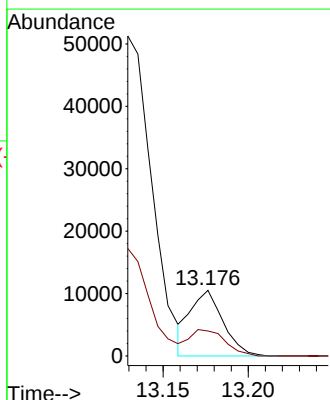
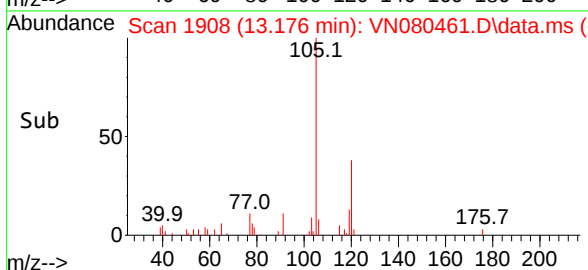
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

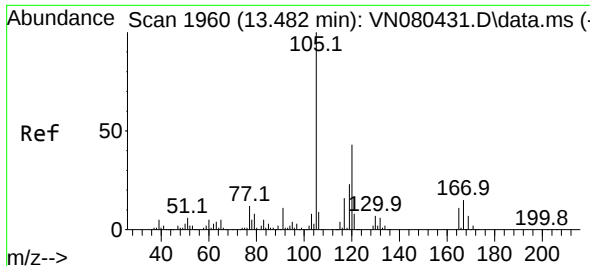


#80
1,3,5-Trimethylbenzene
Concen: 0.988 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54



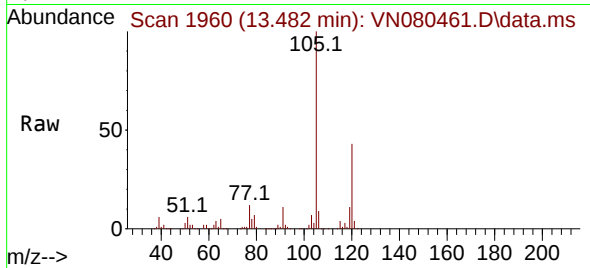
Tgt Ion:105 Resp: 14082
Ion Ratio Lower Upper
105 100
120 44.0 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 38.888 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

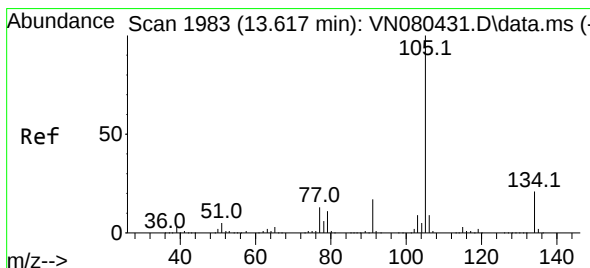
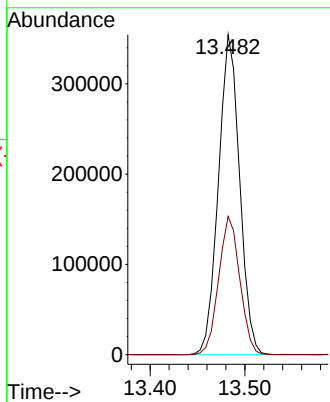
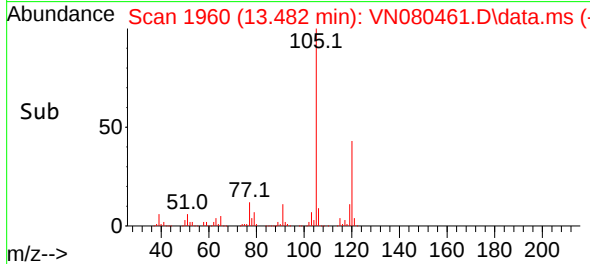
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



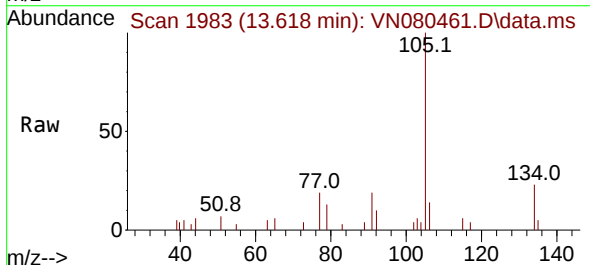
Tgt Ion:105 Resp: 55136
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0

Manual Integrations
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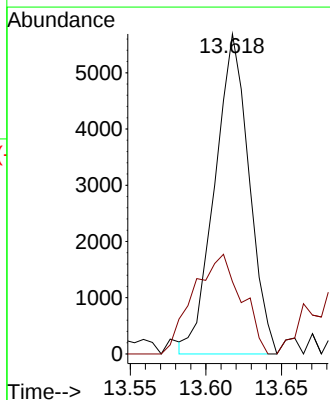
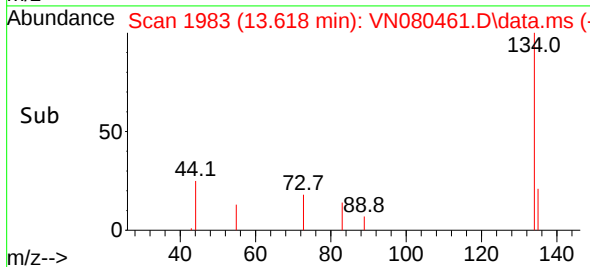
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

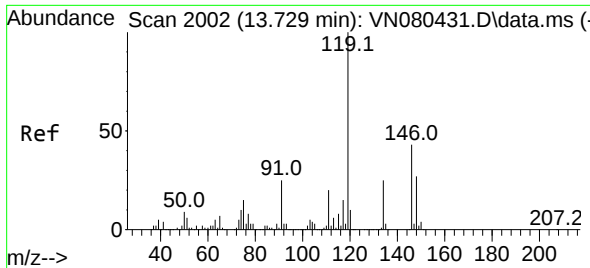


#85
sec-Butylbenzene
Concen: 0.600 ug/l m
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54



Tgt Ion:105 Resp: 8958
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





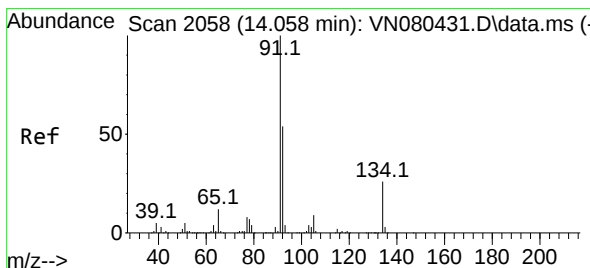
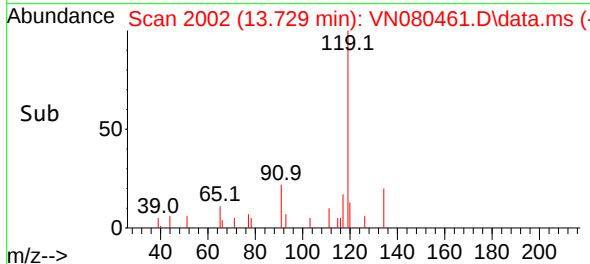
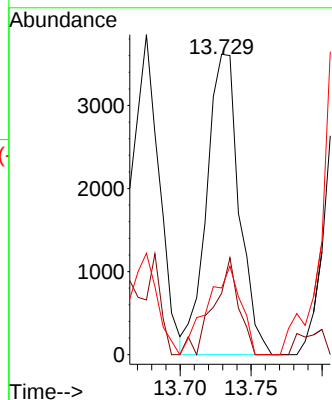
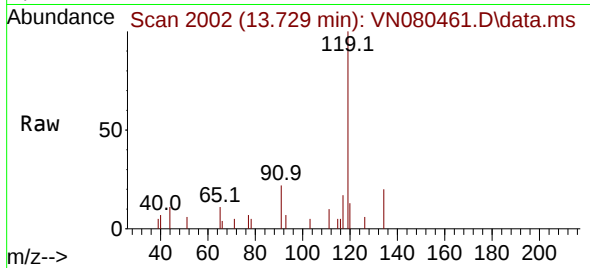
#86
p-Isopropyltoluene
Concen: 0.429 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion: 119 Resp: 578
Ion Ratio Lower Upper
119 100
134 24.7 12.6 37.8
91 0.0 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#89
n-Butylbenzene
Concen: 0.311 ug/l m
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080461.D
Acq: 13 Dec 2023 14:54

Tgt Ion: 91 Resp: 3498
Ion Ratio Lower Upper
91 100
92 121.1 26.4 79.0#
134 0.0 12.6 37.6#

