

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081132.D
 Acq On : 22 Feb 2024 14:00
 Operator : JC\MD
 Sample : P1546-07DL 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1330DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 04:24:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	315231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	589185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	519456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	195130	50.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	101.000%		
35) Dibromofluoromethane	8.171	113	160811	48.268	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.540%		
50) Toluene-d8	10.571	98	547668	46.282	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.560%		
62) 4-Bromofluorobenzene	12.853	95	210452	47.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.660%		
Target Compounds					Qvalue	
39) Methylcyclohexane	9.612	83	5001	0.752	ug/l #	73
40) Benzene	8.612	78	24627	1.491	ug/l	96
52) Toluene	10.635	92	587823	56.201	ug/l	98
67) Ethyl Benzene	11.965	91	490005	24.357	ug/l	99
68) m/p-Xylenes	12.070	106	717240	93.014	ug/l	94
69) o-Xylene	12.400	106	320566	41.939	ug/l	98
73) Isopropylbenzene	12.700	105	39069	1.994	ug/l	98
78) n-propylbenzene	13.035	91	171671	7.613	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	252871	15.921	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	883438	55.820	ug/l	94
85) sec-Butylbenzene	13.617	105	19699m	1.032	ug/l	
86) p-Isopropyltoluene	13.729	119	8578m	0.541	ug/l	
89) n-Butylbenzene	14.059	91	30194	2.186	ug/l #	67
95) Naphthalene	15.641	128	146676	9.014	ug/l	99

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

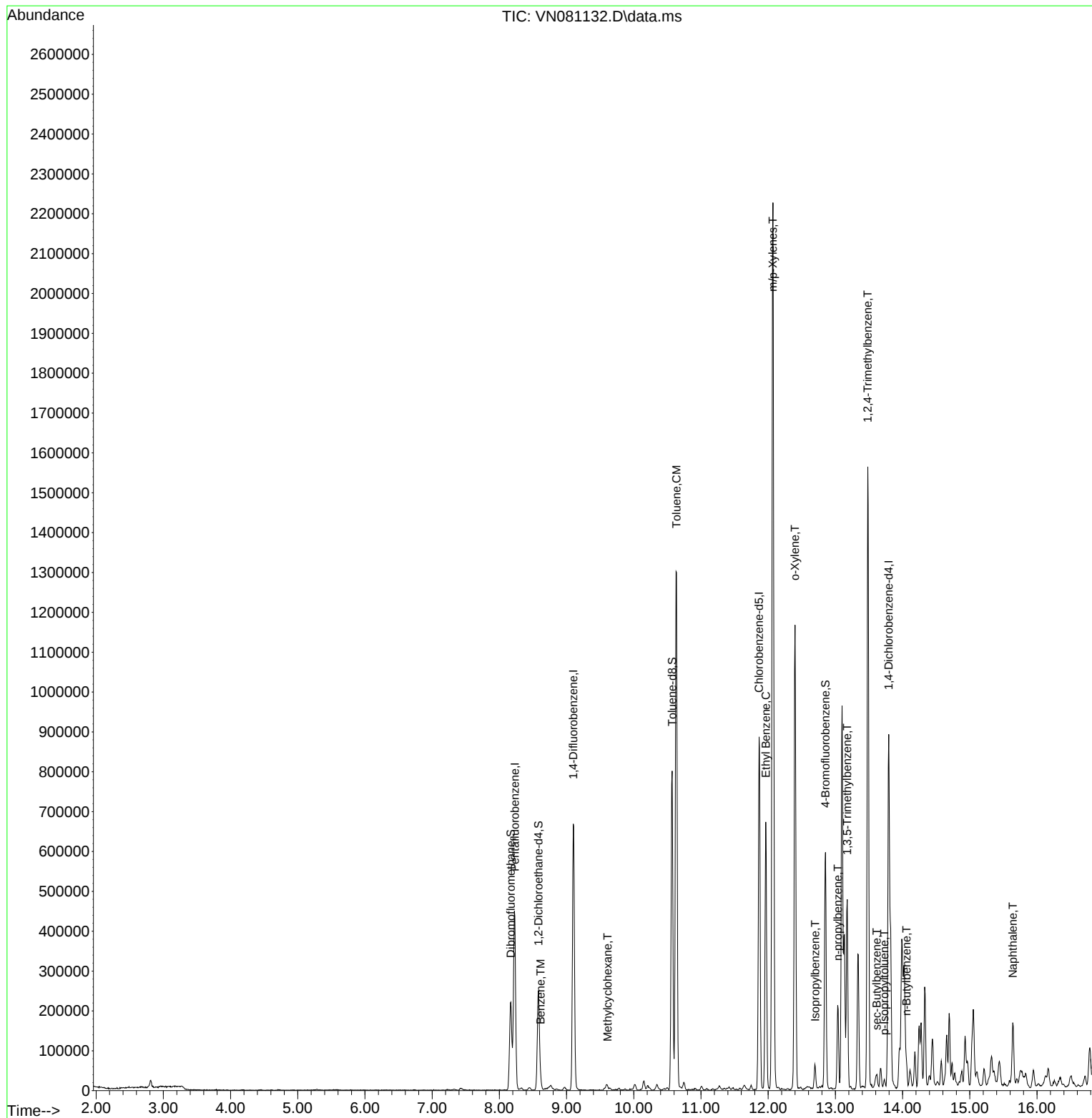
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
Data File : VN081132.D
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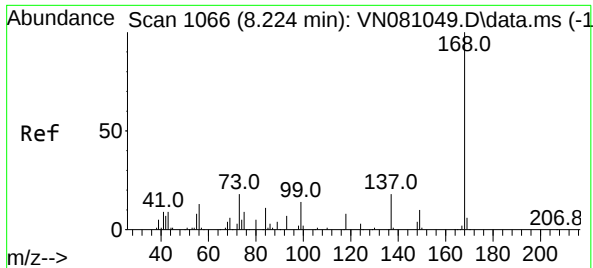
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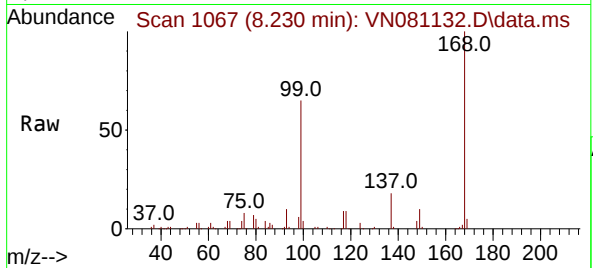
Quant Time: Feb 23 04:24:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

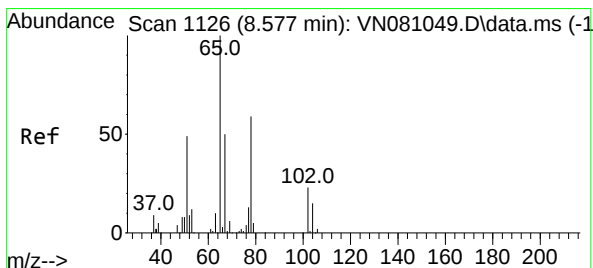
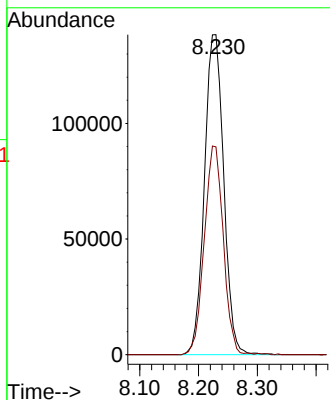
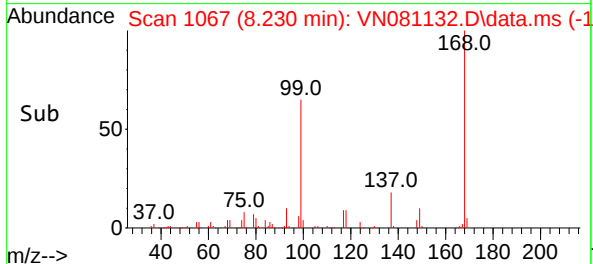
Instrument :
MSVOA_N
ClientSampleId :
1330DL



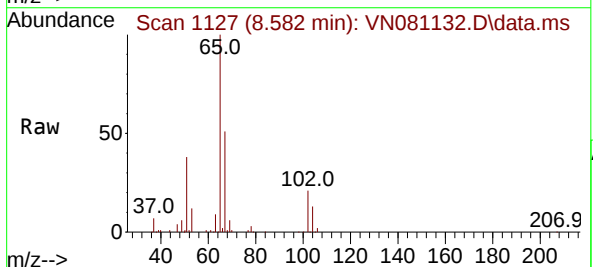
Tgt Ion:168 Resp: 31523
Ion Ratio Lower Upper
168 100
99 64.9 59.9 89.9

Manual Integrations
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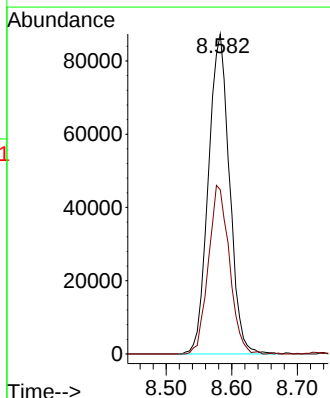
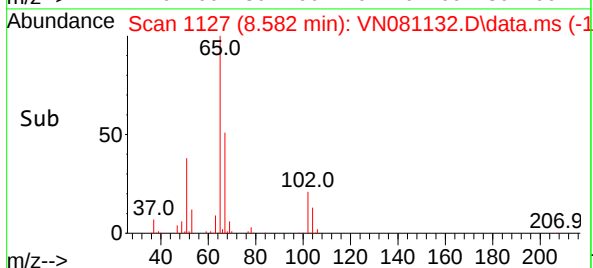
Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024

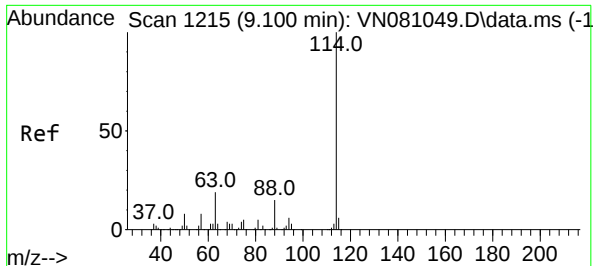


#33
1,2-Dichloroethane-d4
Concen: 50.501 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00



Tgt Ion: 65 Resp: 195130
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081132.D

Acq: 22 Feb 2024 14:00

Instrument :

MSVOA_N

ClientSampleId :

1330DL

Tgt Ion:114 Resp: 58918

Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

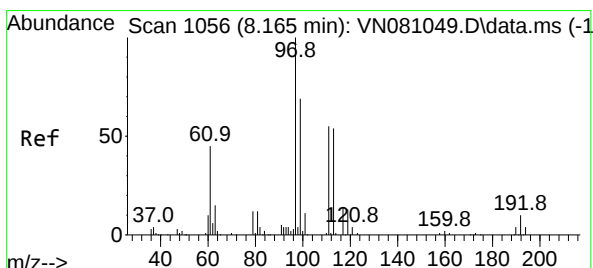
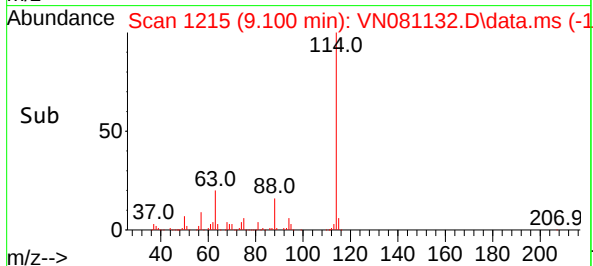
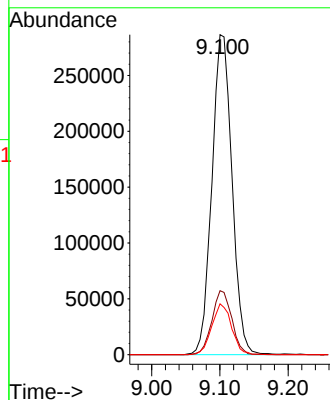
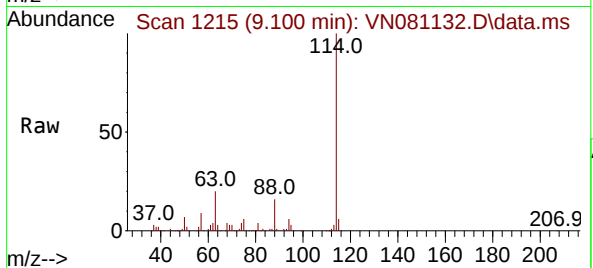
88 15.9 0.0 34.8

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#35

Dibromofluoromethane

Concen: 48.268 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081132.D

Acq: 22 Feb 2024 14:00

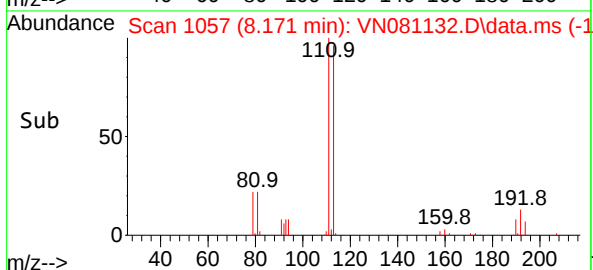
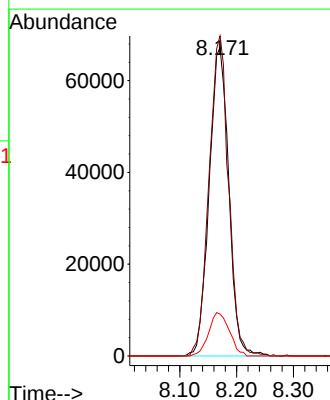
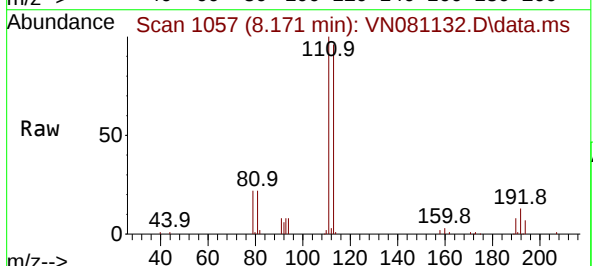
Tgt Ion:113 Resp: 160811

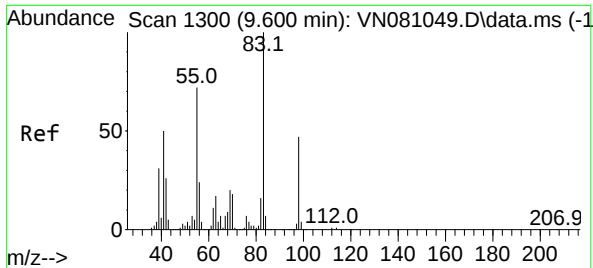
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 14.9 12.5 18.7





#39

Methylcyclohexane

Concen: 0.752 ug/l

RT: 9.612 min Scan# 1132

Delta R.T. 0.012 min

Lab File: VN081132.D

Acq: 22 Feb 2024 14:00

Instrument :

MSVOA_N

ClientSampleId :

1330DL

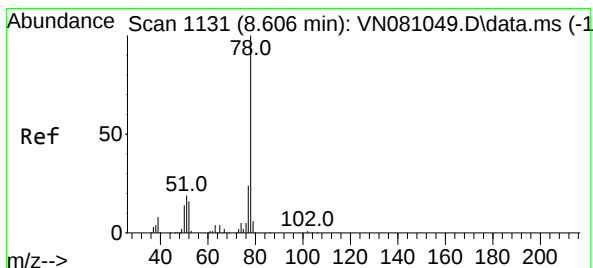
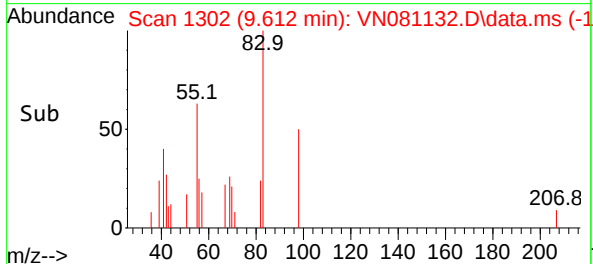
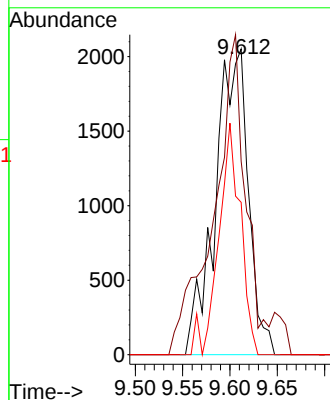
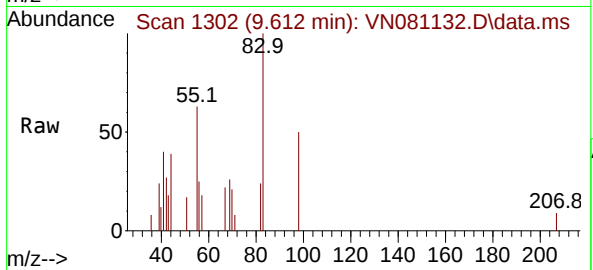
Tgt Ion: 83	Resp: 500
Ion Ratio	Lower Upper
83	100
55	51.2 65.7 98.5
98	49.8 33.8 50.6

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#40

Benzene

Concen: 1.491 ug/l

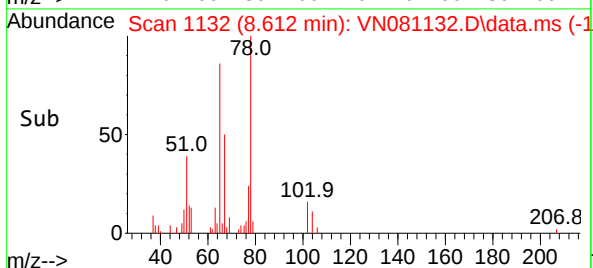
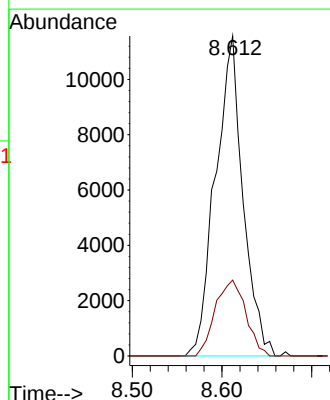
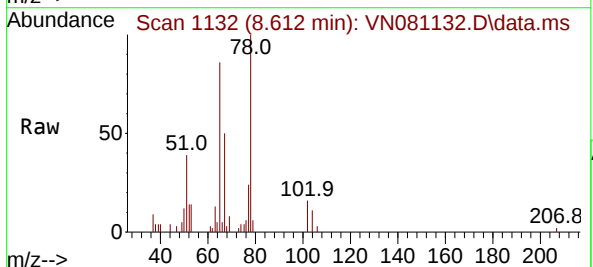
RT: 8.612 min Scan# 1132

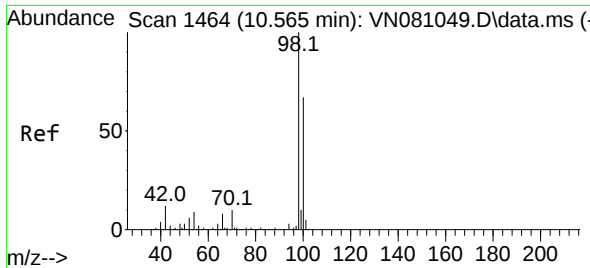
Delta R.T. 0.006 min

Lab File: VN081132.D

Acq: 22 Feb 2024 14:00

Tgt Ion: 78	Resp: 24627
Ion Ratio	Lower Upper
78	100
77	23.7 20.4 30.6





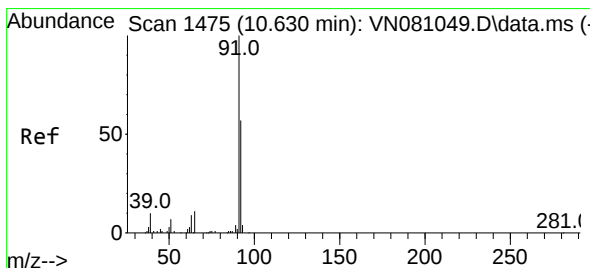
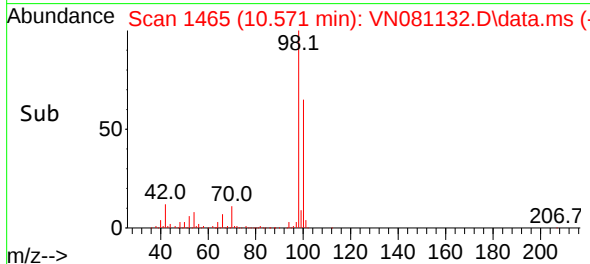
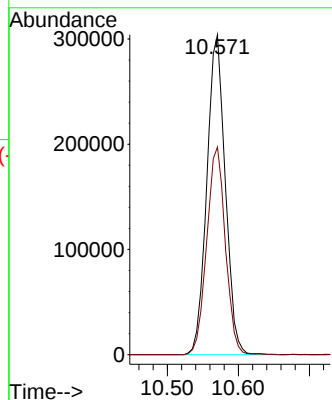
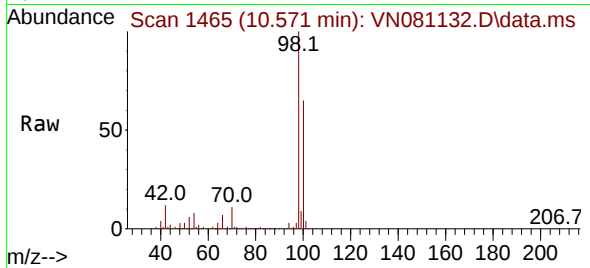
#50
Toluene-d8
Concen: 46.282 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
1330DL

Tgt Ion: 98 Resp: 547668
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0

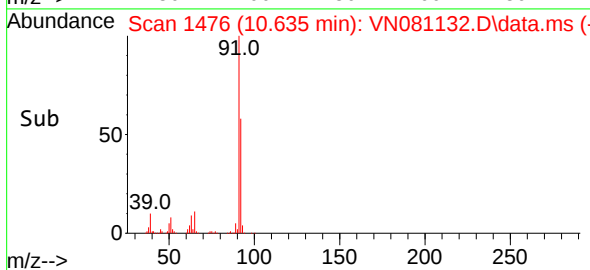
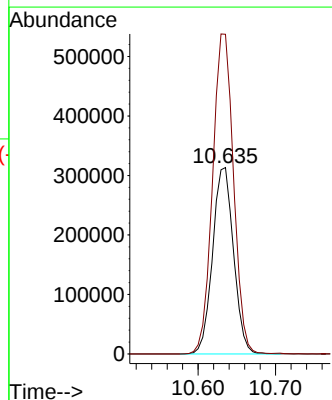
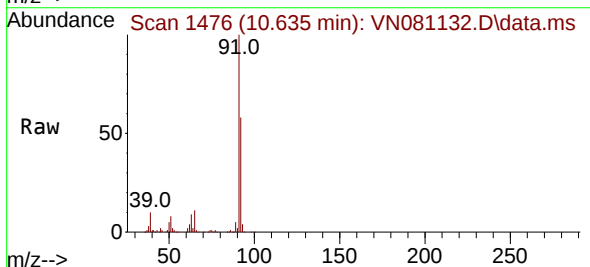
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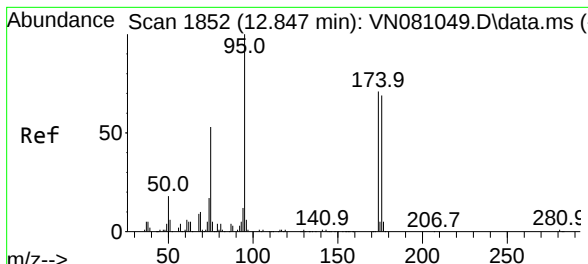
Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024



#52
Toluene
Concen: 56.201 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

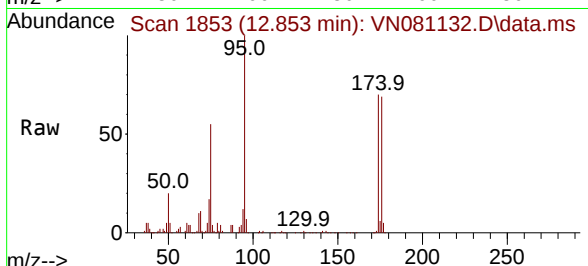
Tgt Ion: 92 Resp: 587823
Ion Ratio Lower Upper
92 100
91 171.9 139.4 209.0





#62
 4-Bromofluorobenzene
 Concen: 47.331 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081132.D
 Acq: 22 Feb 2024 14:00

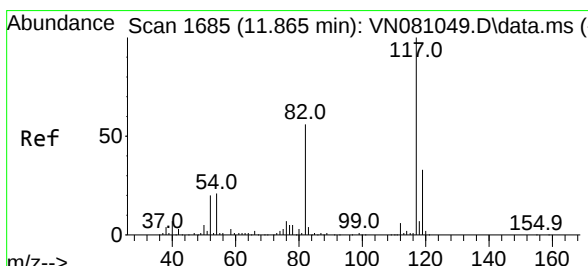
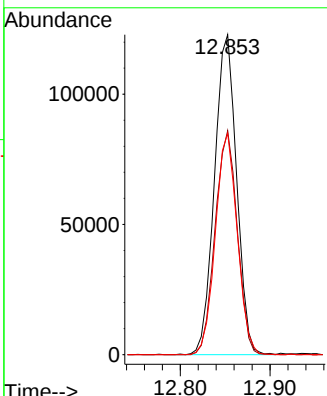
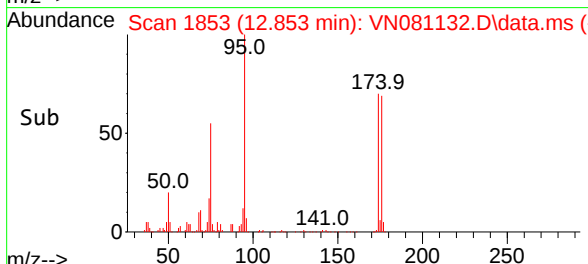
Instrument :
 MSVOA_N
 ClientSampleId :
 1330DL



Tgt Ion:	95	Resp:	21045
Ion Ratio	Lower	Upper	
95	100		
174	70.0	0.0	120.4
176	68.1	0.0	121.0

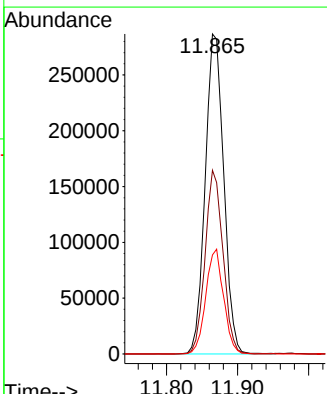
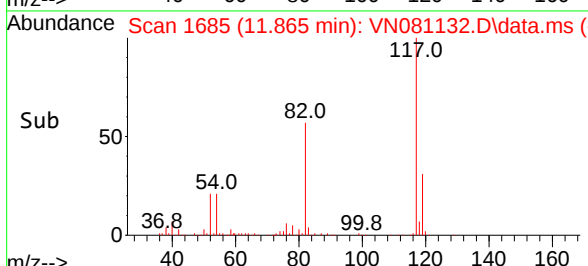
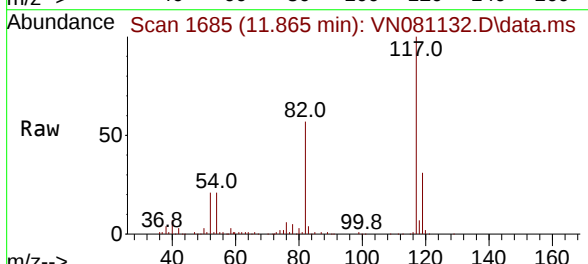
Manual Integrations
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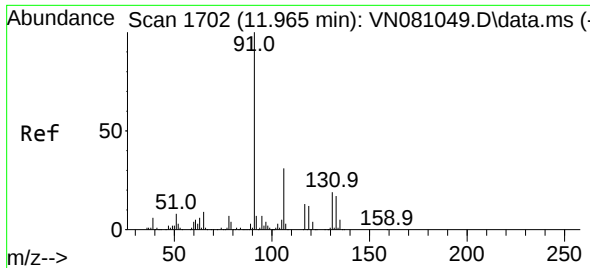
Reviewed By :John Carlone 02/23/2024
 Supervised By :Mahesh Dadoda 02/23/2024



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN081132.D
 Acq: 22 Feb 2024 14:00

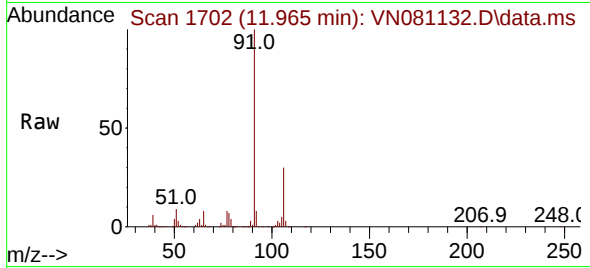
Tgt Ion:	117	Resp:	519456
Ion Ratio	Lower	Upper	
117	100		
82	57.4	52.7	79.1
119	30.9	25.3	37.9





#67
Ethyl Benzene
Concen: 24.357 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

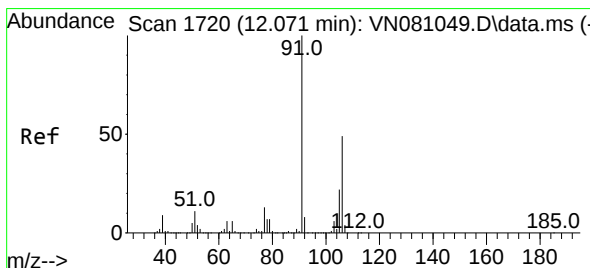
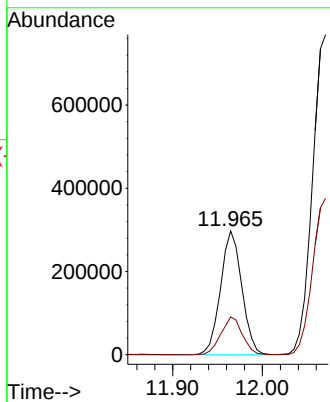
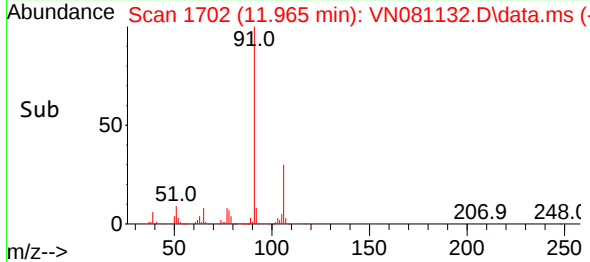
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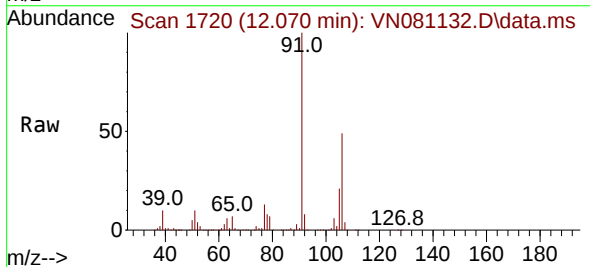
Tgt Ion: 91 Resp: 490000
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

Manual Integrations
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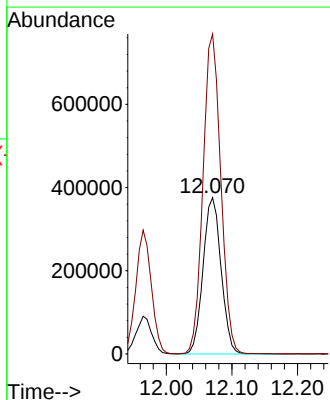
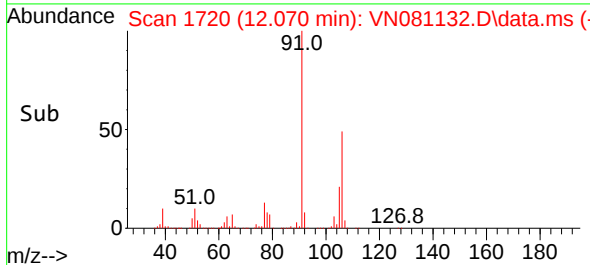
Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024

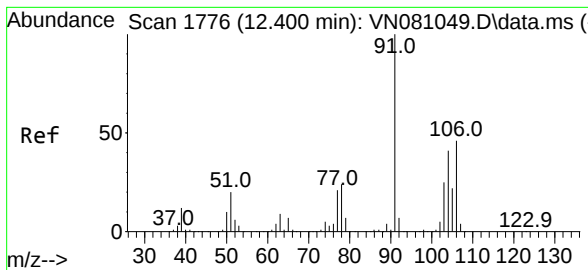


#68
m/p-Xylenes
Concen: 93.014 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00



Tgt Ion:106 Resp: 717240
Ion Ratio Lower Upper
106 100
91 202.3 169.0 253.6





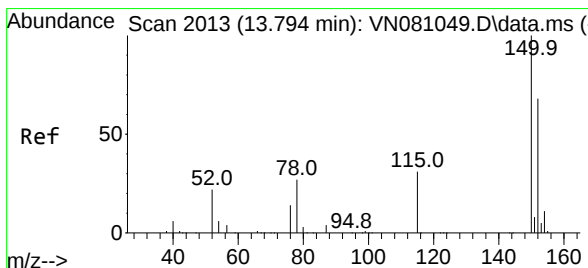
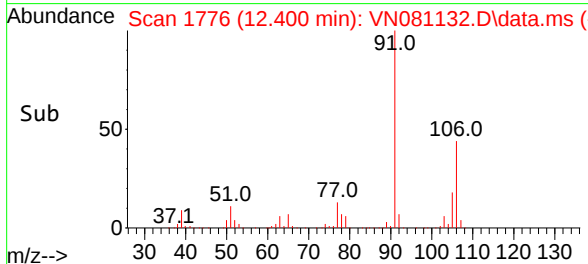
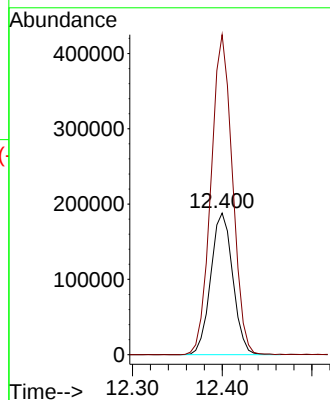
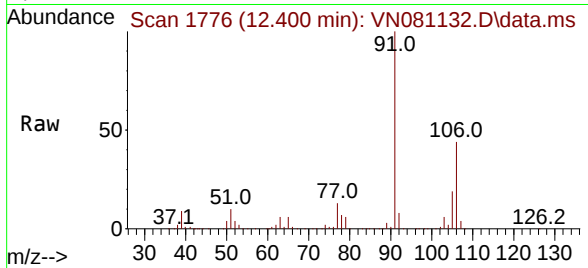
#69
o-Xylene
Concen: 41.939 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
1330DL

Tgt Ion:106 Resp: 320560
Ion Ratio Lower Upper
106 100
91 220.5 112.1 336.3

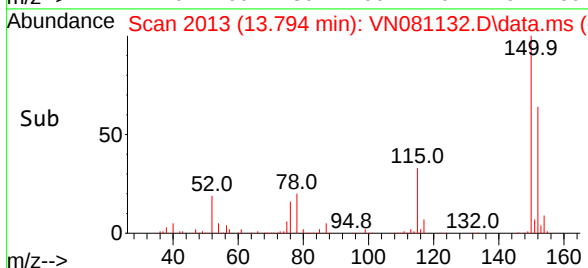
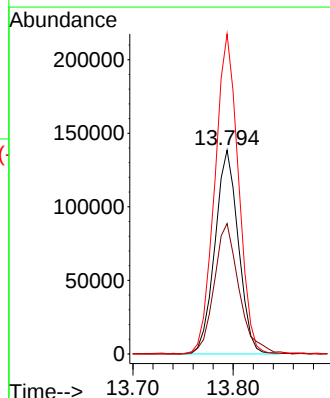
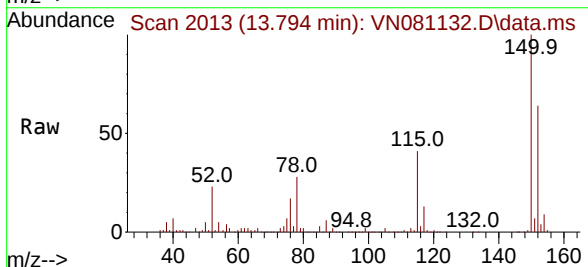
Manual Integrations
APPROVED

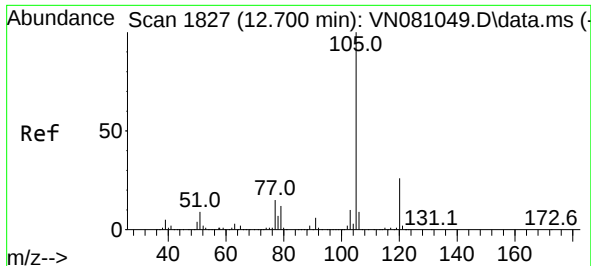
Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

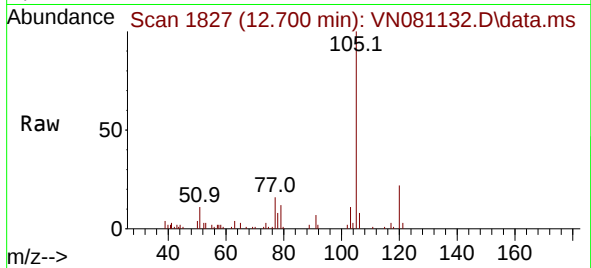
Tgt Ion:152 Resp: 223889
Ion Ratio Lower Upper
152 100
115 68.4 32.3 96.8
150 158.5 0.0 339.8





#73
Isopropylbenzene
Concen: 1.994 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

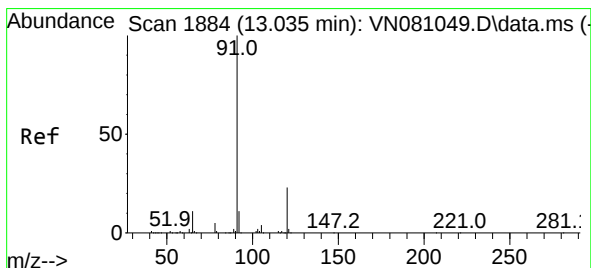
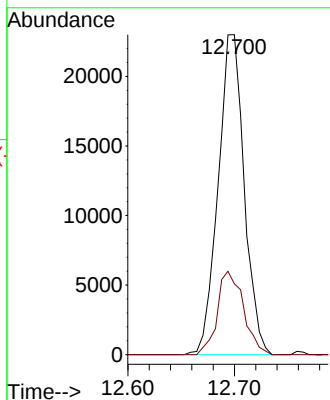
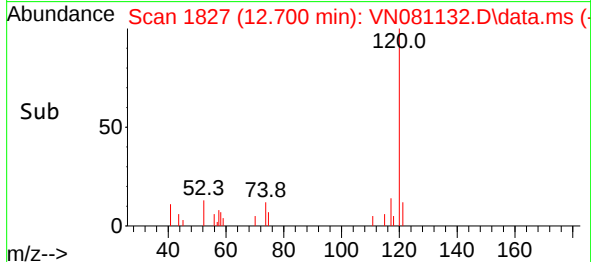
Instrument :
MSVOA_N
ClientSampleId :
1330DL



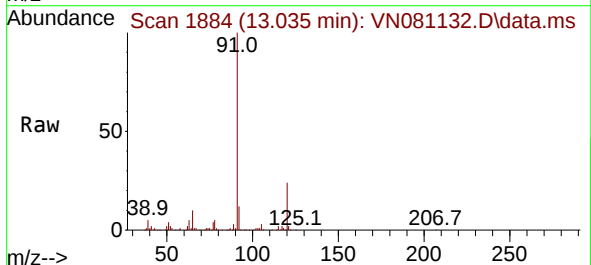
Tgt Ion:105 Resp: 39069
Ion Ratio Lower Upper
105 100
120 26.1 12.6 37.6

Manual Integrations
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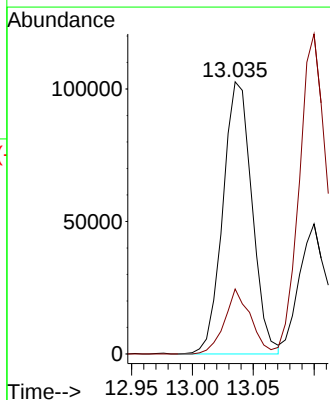
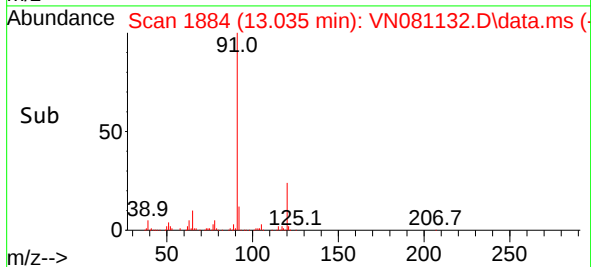
Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024

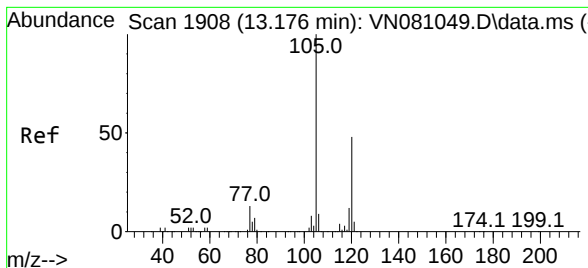


#78
n-propylbenzene
Concen: 7.613 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00



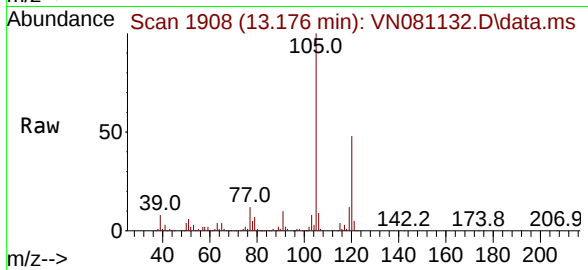
Tgt Ion: 91 Resp: 171671
Ion Ratio Lower Upper
91 100
120 21.3 10.3 30.9





#80
1,3,5-Trimethylbenzene
Concen: 15.921 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

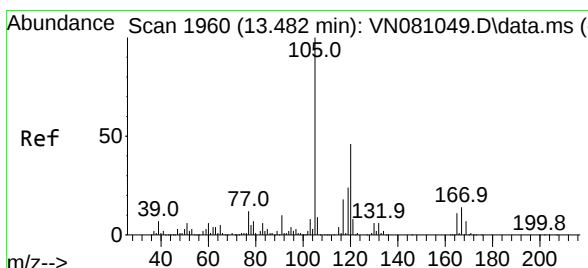
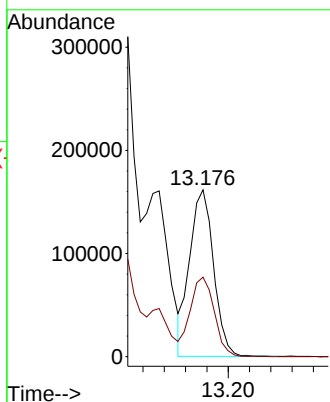
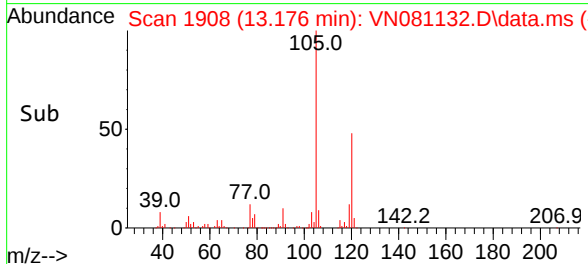
Instrument :
MSVOA_N
ClientSampleId :
1330DL



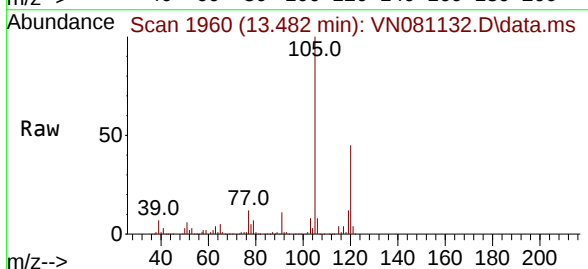
Tgt Ion:105 Resp: 25287
Ion Ratio Lower Upper
105 100
120 48.2 23.0 69.0

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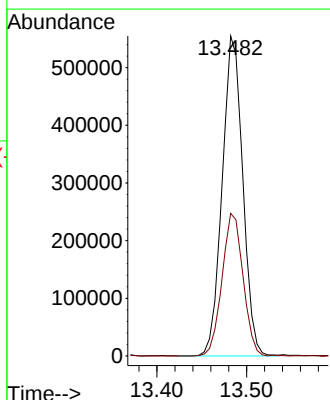
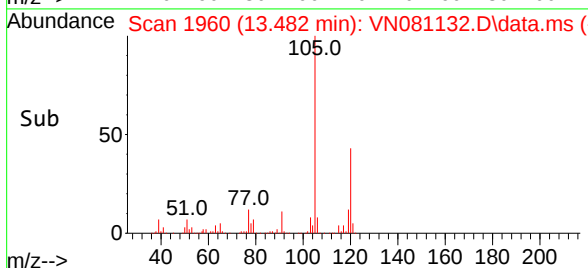
Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024

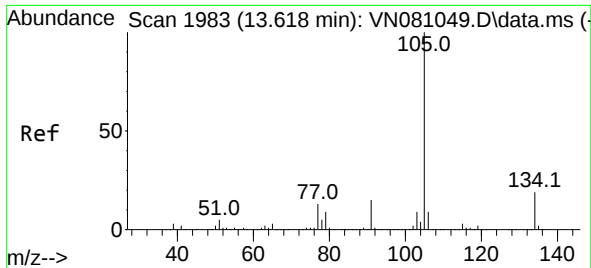


#84
1,2,4-Trimethylbenzene
Concen: 55.820 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00



Tgt Ion:105 Resp: 883438
Ion Ratio Lower Upper
105 100
120 45.5 20.9 62.7





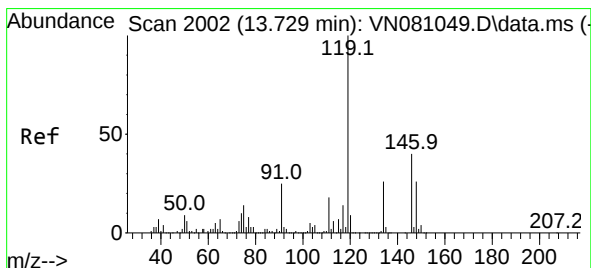
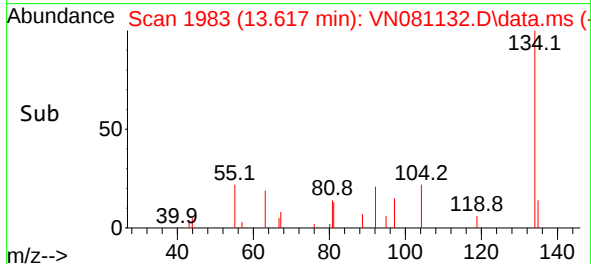
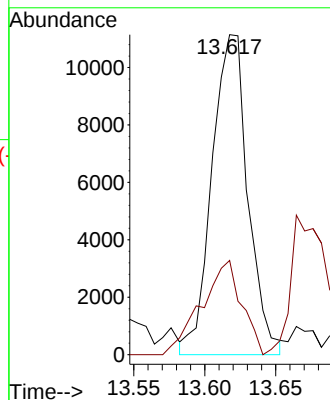
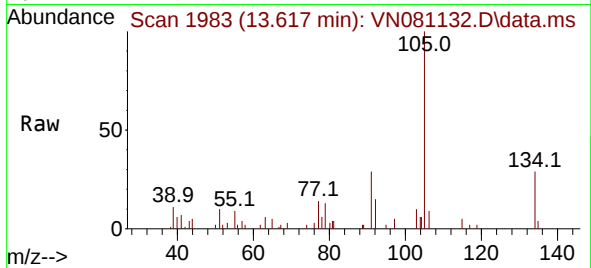
#85
 sec-Butylbenzene
 Concen: 1.032 ug/l m
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN081132.D
 Acq: 22 Feb 2024 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 1330DL

Tgt Ion:105 Resp: 1969
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8

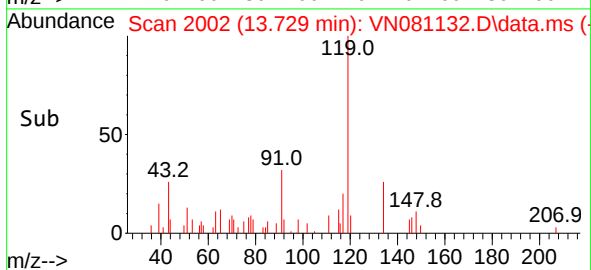
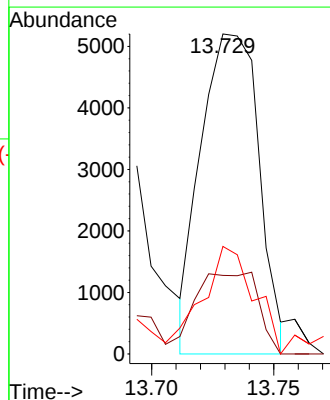
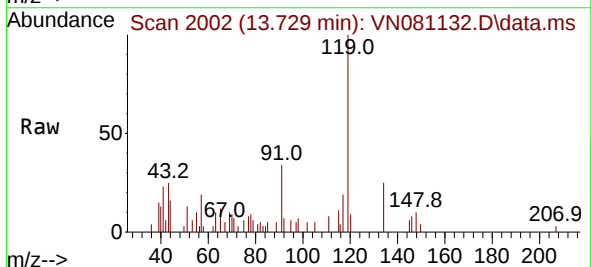
Manual Integrations
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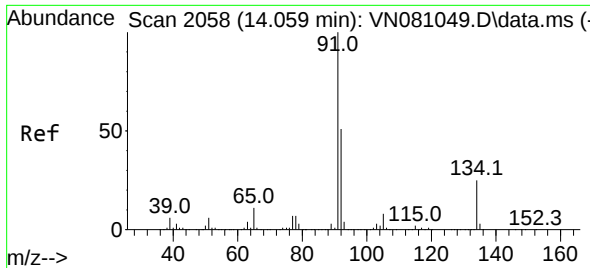
Reviewed By :John Carlone 02/23/2024
 Supervised By :Mahesh Dadoda 02/23/2024



#86
 p-Isopropyltoluene
 Concen: 0.541 ug/l m
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN081132.D
 Acq: 22 Feb 2024 14:00

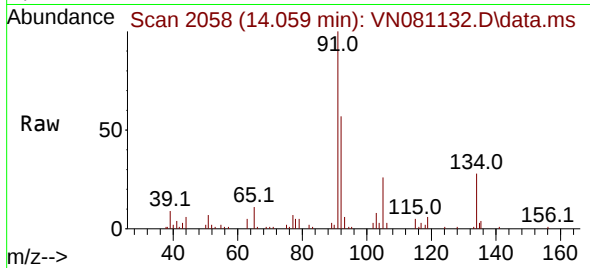
Tgt Ion:119 Resp: 8578
 Ion Ratio Lower Upper
 119 100
 134 95.3 12.4 37.2#
 91 68.5 13.5 40.4#





#89
n-Butylbenzene
Concen: 2.186 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

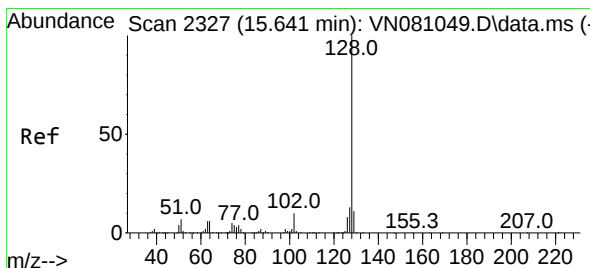
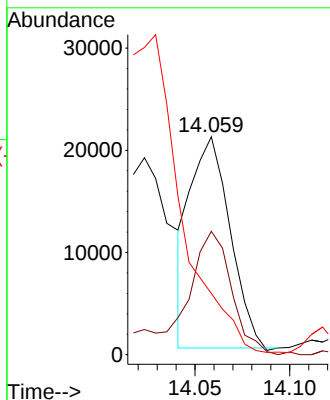
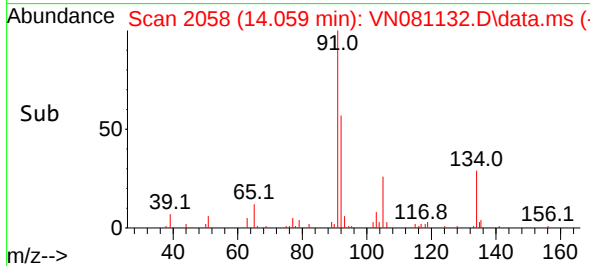
Instrument :
MSVOA_N
ClientSampleId :
1330DL



Tgt Ion: 91 Resp: 30194
Ion Ratio Lower Upper
91 100
92 72.9 26.7 80.1
134 0.0 10.8 32.4

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Reviewed By :John Carlone 02/23/2024
Supervised By :Mahesh Dadoda 02/23/2024



#95
Naphthalene
Concen: 9.014 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081132.D
Acq: 22 Feb 2024 14:00

Tgt Ion:128 Resp: 146676
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.3 8.7 13.1

