

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080381.D
 Acq On : 06 Dec 2023 13:13
 Operator : JC\MD
 Sample : 05612-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/08/2023
 Supervised By :Mahesh Dadoda 12/08/2023

Quant Time: Dec 07 00:58:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139358	51.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.165	113	115306	51.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.571	98	404134	49.903	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.847	95	180621	59.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.100%			
Target Compounds					Qvalue	
31) Cyclohexane	8.259	56	30969	10.581	ug/l	91
39) Methylcyclohexane	9.600	83	16509	5.264	ug/l #	84
40) Benzene	8.606	78	1028602	111.269	ug/l	100
52) Toluene	10.629	92	42031	7.265	ug/l	98
67) Ethyl Benzene	11.965	91	7100034	537.577	ug/l	96
68) m/p-Xylenes	12.076	106	157089	32.621	ug/l	90
69) o-Xylene	12.400	106	528661	116.490	ug/l	88
73) Isopropylbenzene	12.700	105	439063	32.013	ug/l	98
78) n-propylbenzene	13.035	91	186477	12.159	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	249325	20.883	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1259384	107.125	ug/l	98
85) sec-Butylbenzene	13.617	105	10805m	0.892	ug/l	
86) p-Isopropyltoluene	13.729	119	66650	6.160	ug/l #	75

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

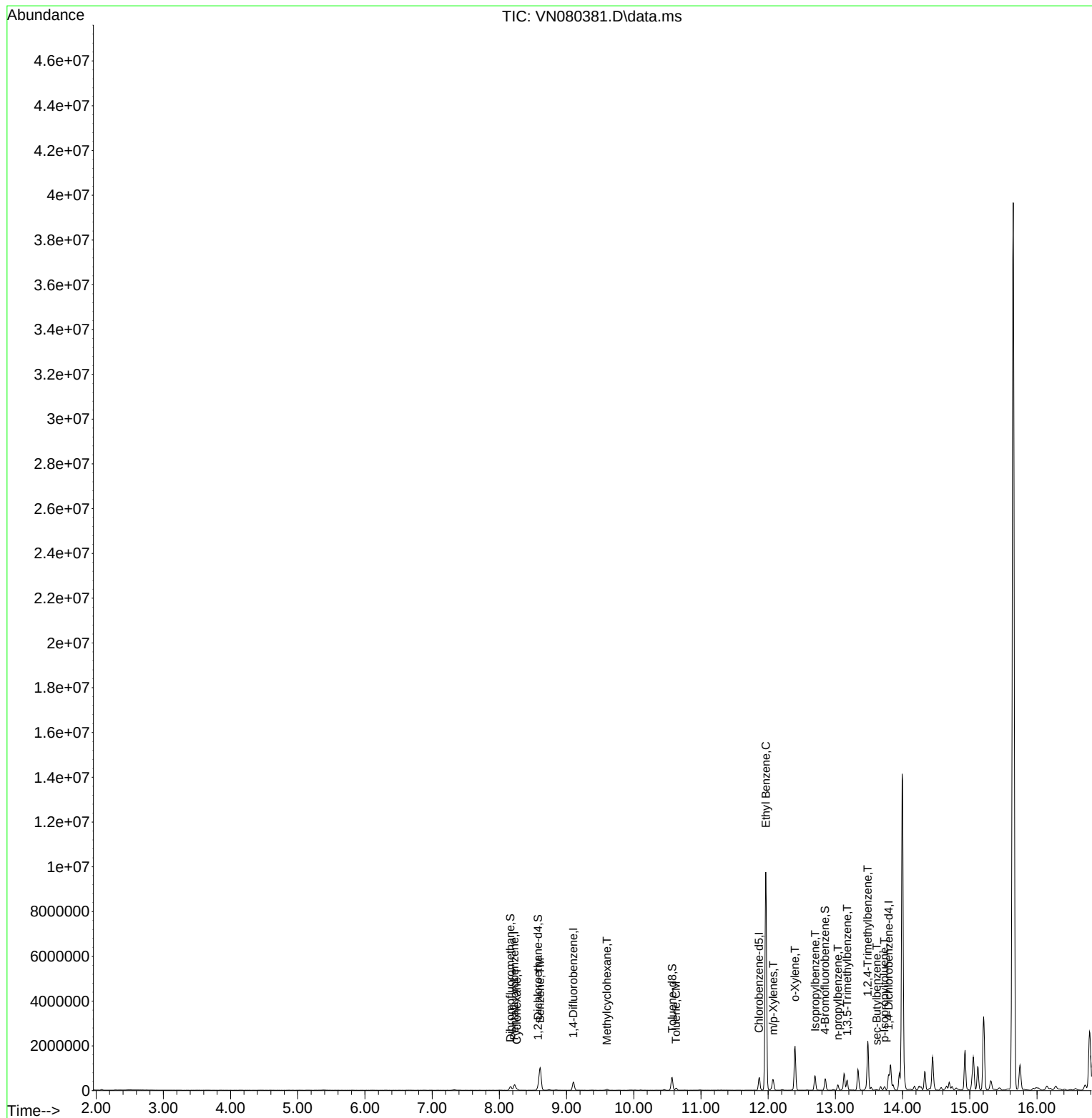
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
Data File : VN080381.D
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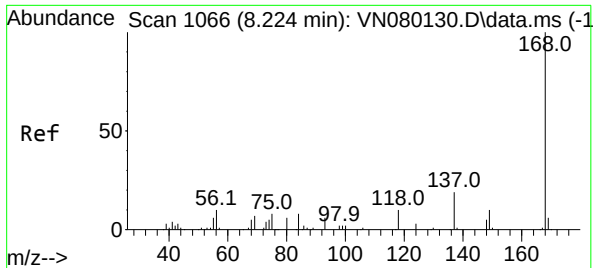
Instrument :
MSVOA_N
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Quant Time: Dec 07 00:58:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
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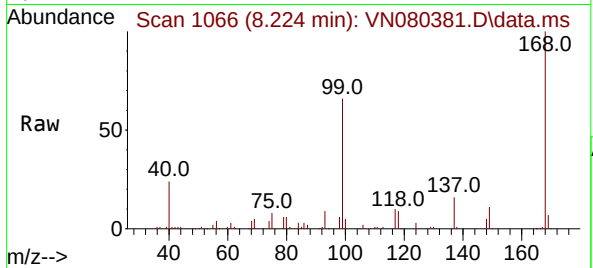
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

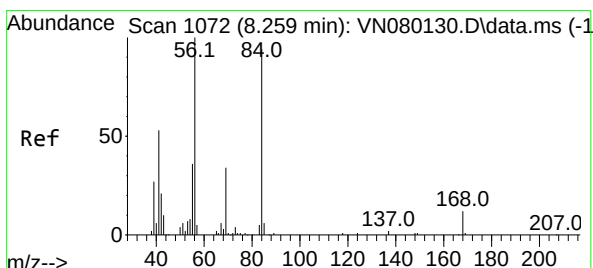
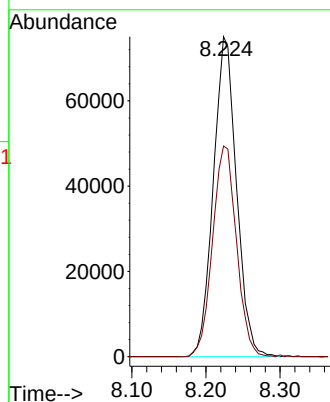
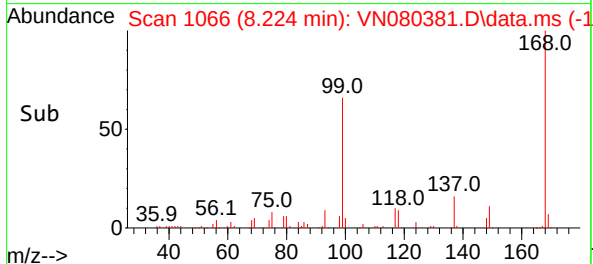
Instrument :
MSVOA_N
ClientSampleId :
DUP-01



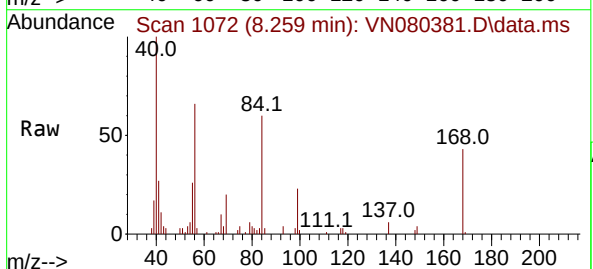
Tgt Ion:168 Resp: 16299
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6

Manual Integrations
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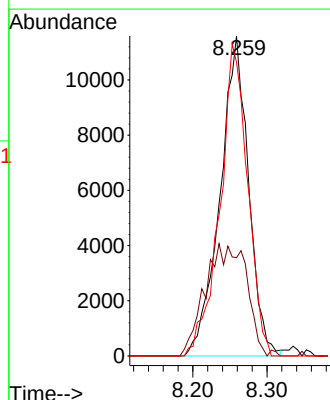
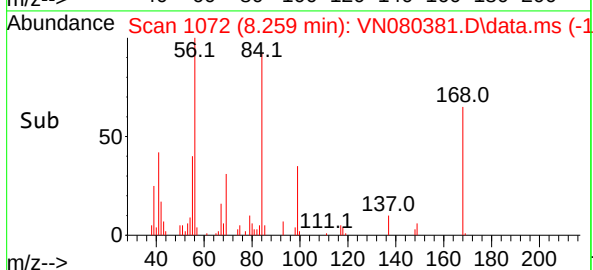
Reviewed By :John Carlone 12/08/2023
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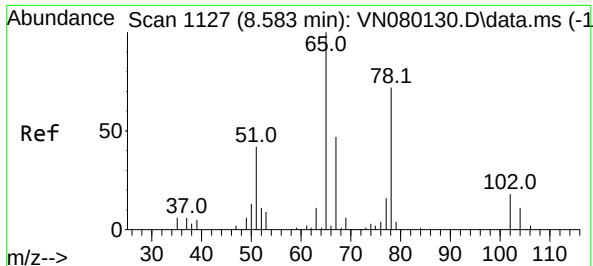


#31
Cyclohexane
Concen: 10.581 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13



Tgt Ion: 56 Resp: 30969
Ion Ratio Lower Upper
56 100
69 30.7 26.8 40.2
84 91.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.782 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080381.D

Acq: 06 Dec 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

DUP-01

Tgt Ion: 65 Resp: 139358

Ion Ratio Lower Upper

65 100

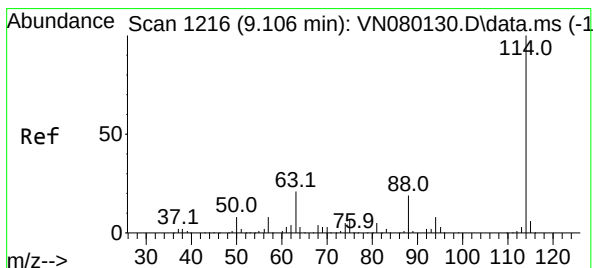
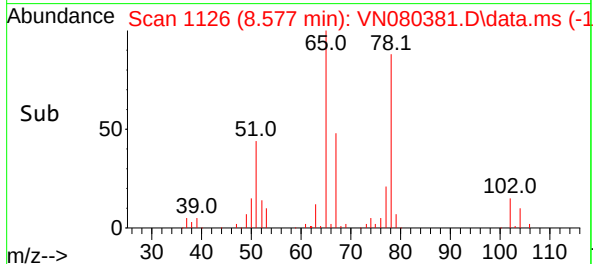
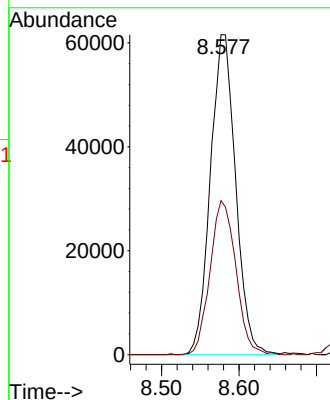
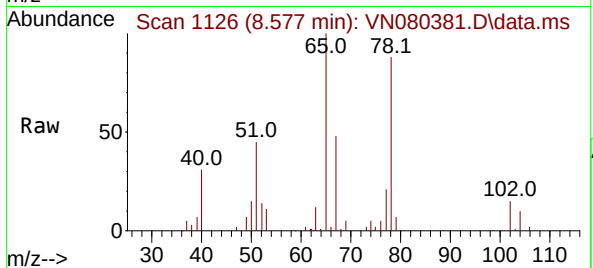
67 49.3 0.0 106.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080381.D

Acq: 06 Dec 2023 13:13

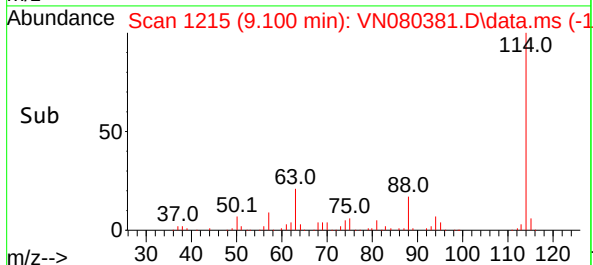
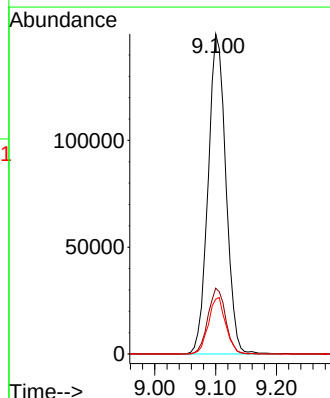
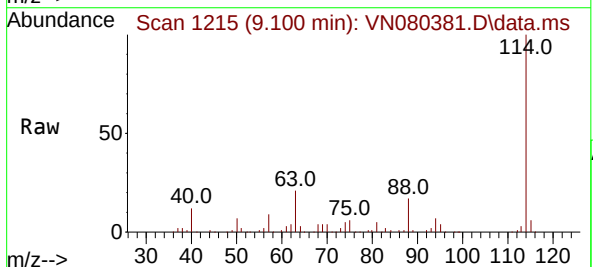
Tgt Ion:114 Resp: 304468

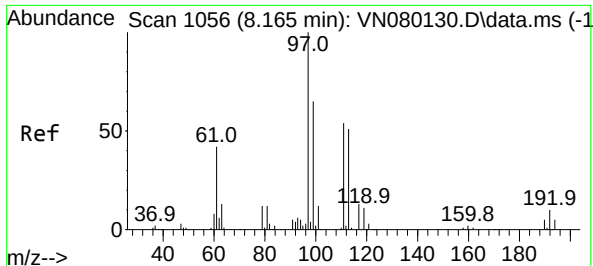
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

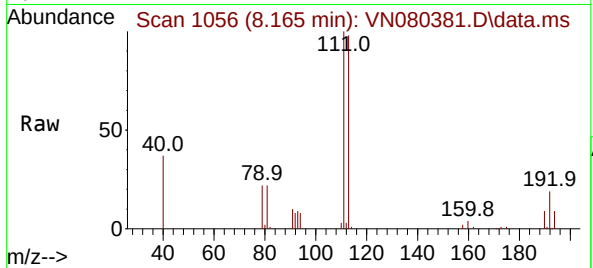
88 17.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 51.325 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

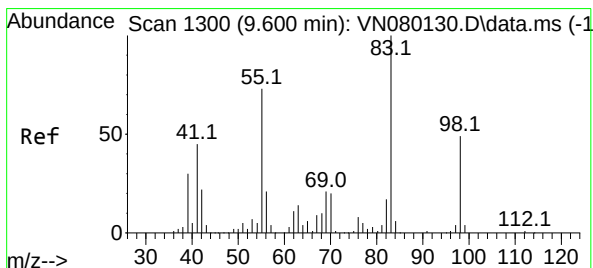
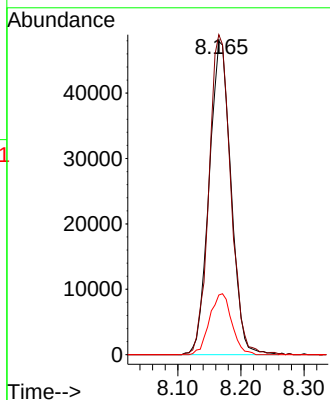
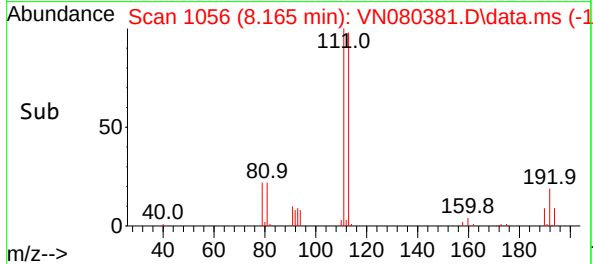
Instrument :
MSVOA_N
ClientSampleId :
DUP-01



Tgt Ion:113 Resp: 115300
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 19.7 12.7 19.1

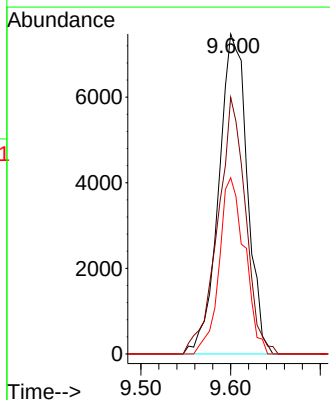
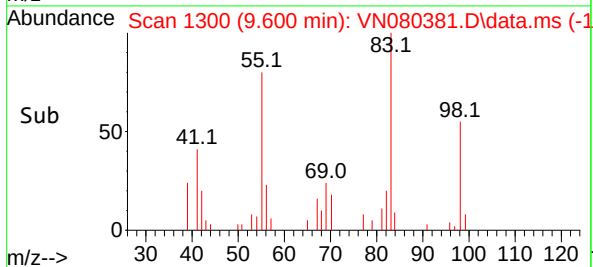
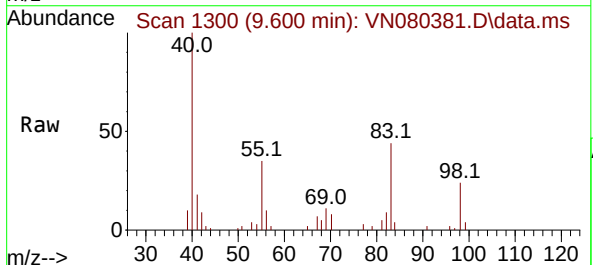
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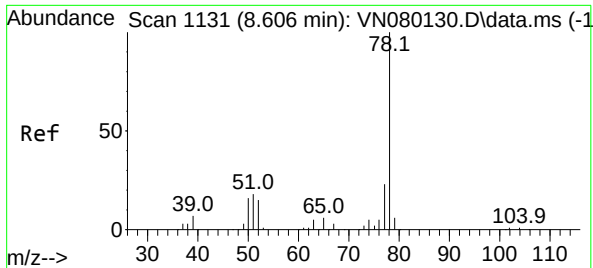
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023



#39
Methylcyclohexane
Concen: 5.264 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

Tgt Ion: 83 Resp: 16509
Ion Ratio Lower Upper
83 100
55 80.2 49.1 73.7#
98 55.0 40.6 61.0





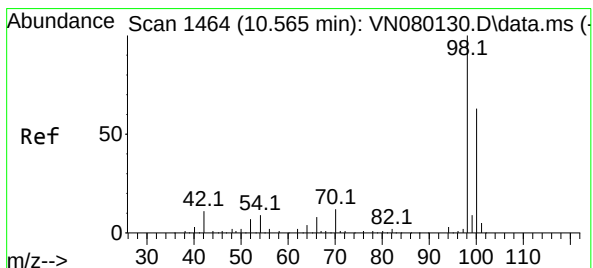
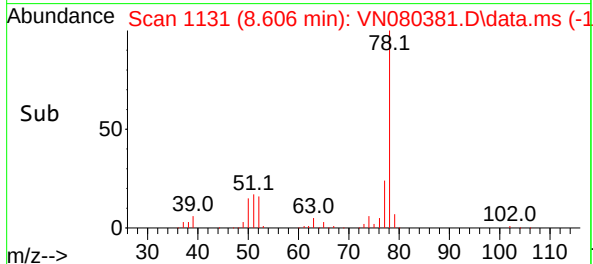
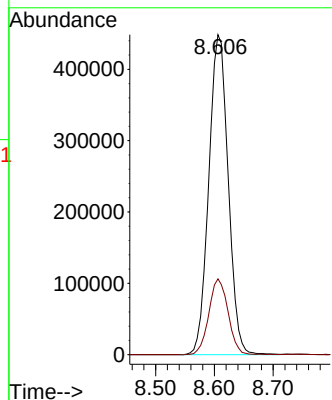
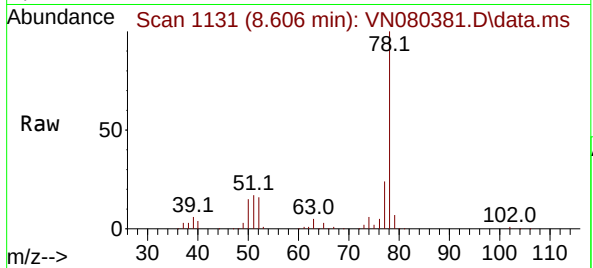
#40
Benzene
Concen: 111.269 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
DUP-01

Tgt Ion: 78 Resp: 102860
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

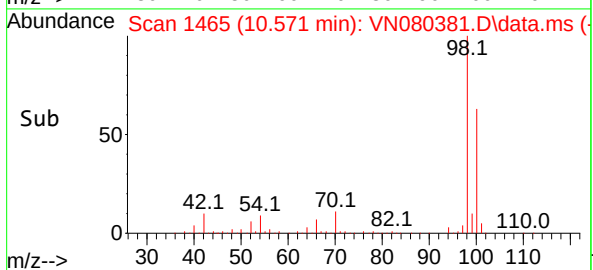
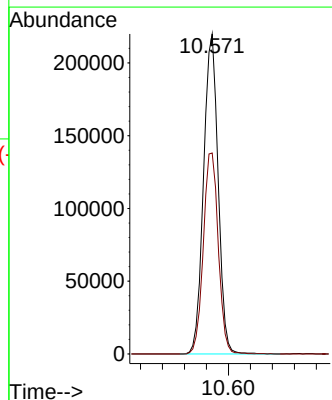
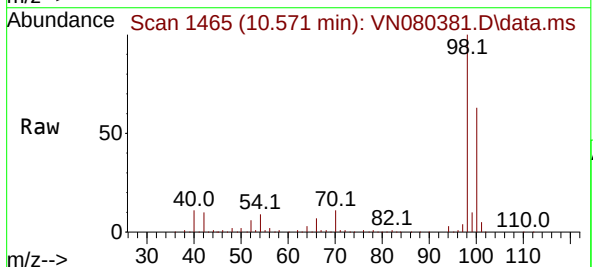
Manual Integrations
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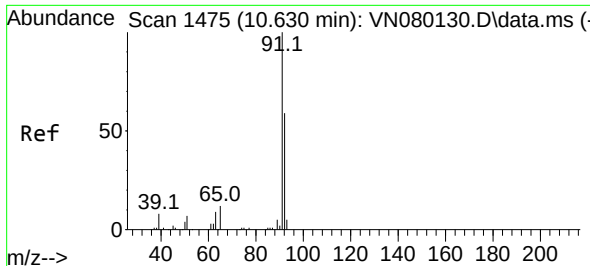
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023



#50
Toluene-d8
Concen: 49.903 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

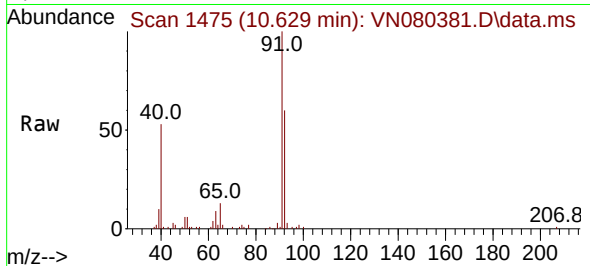
Tgt Ion: 98 Resp: 404134
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





#52
Toluene
Concen: 7.265 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

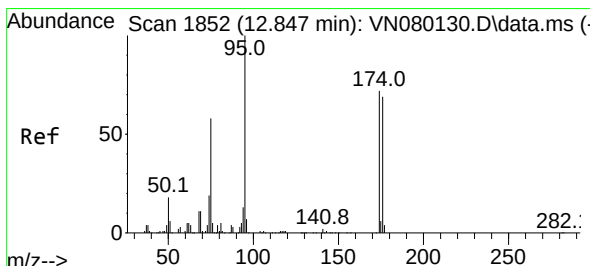
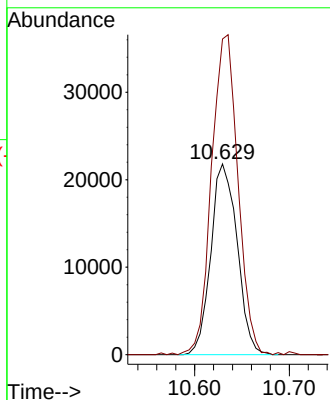
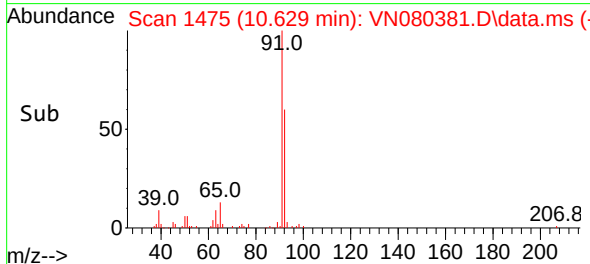
Instrument :
MSVOA_N
ClientSampleId :
DUP-01



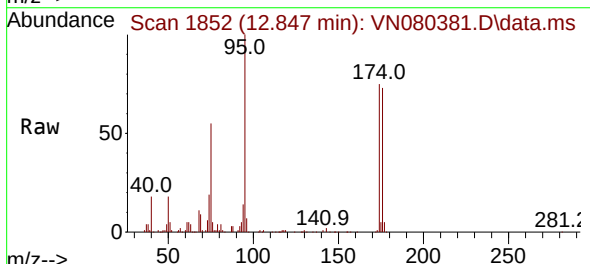
Tgt Ion: 92 Resp: 4203
Ion Ratio Lower Upper
92 100
91 168.4 137.4 206.0

Manual Integrations
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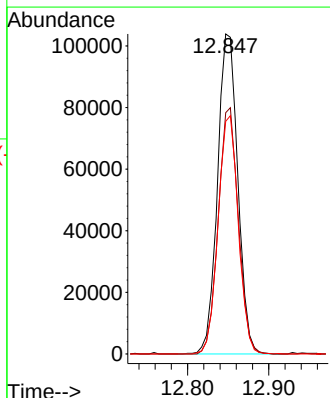
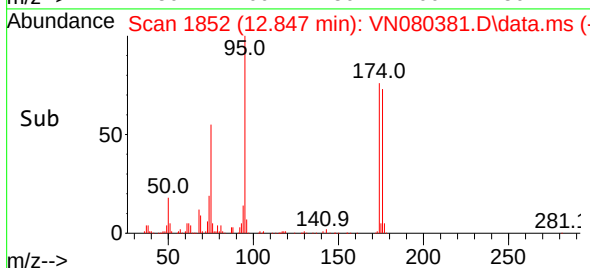
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023

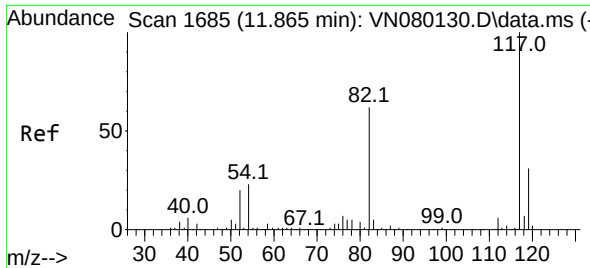


#62
4-Bromofluorobenzene
Concen: 59.047 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13



Tgt Ion: 95 Resp: 180621
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 74.1 0.0 135.8





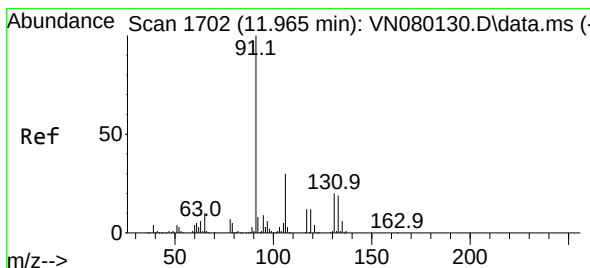
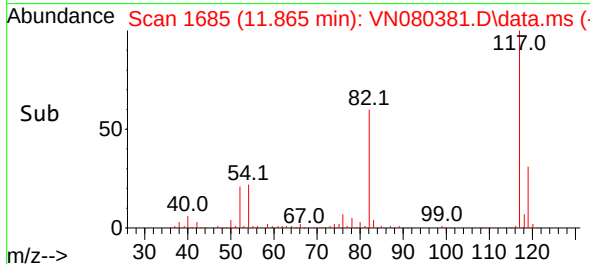
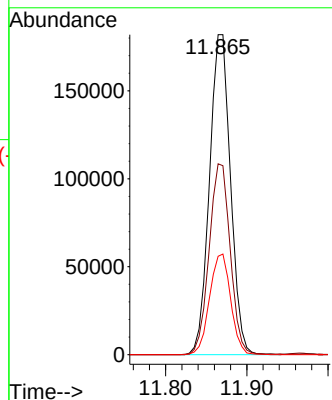
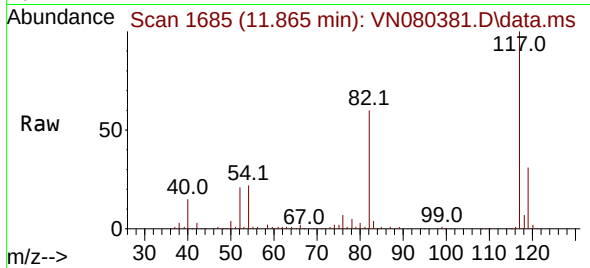
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
DUP-01

Tgt Ion:117 Resp: 32755
Ion Ratio Lower Upper
117 100
82 59.7 44.0 66.0
119 30.7 25.6 38.4

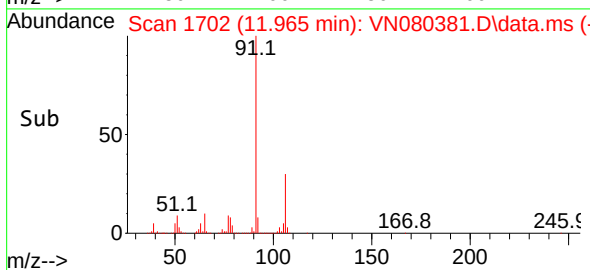
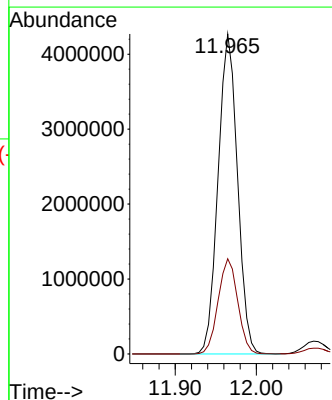
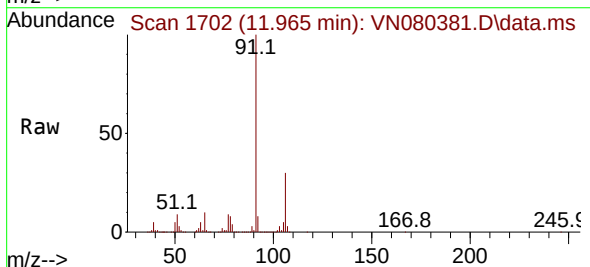
Manual Integrations
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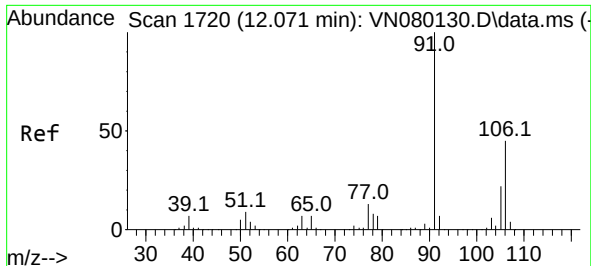
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023



#67
Ethyl Benzene
Concen: 537.577 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

Tgt Ion: 91 Resp: 7100034
Ion Ratio Lower Upper
91 100
106 29.7 25.6 38.4





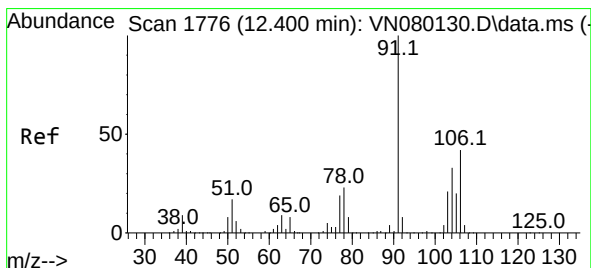
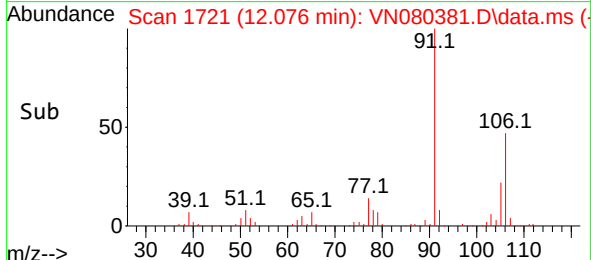
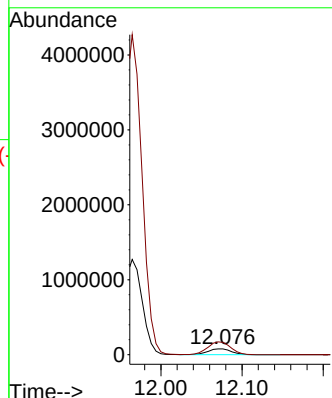
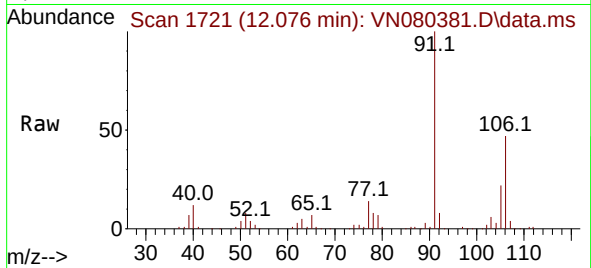
#68
m/p-Xylenes
Concen: 32.621 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
DUP-01

Tgt Ion:106 Resp: 157089
Ion Ratio Lower Upper
106 100
91 214.5 159.6 239.4

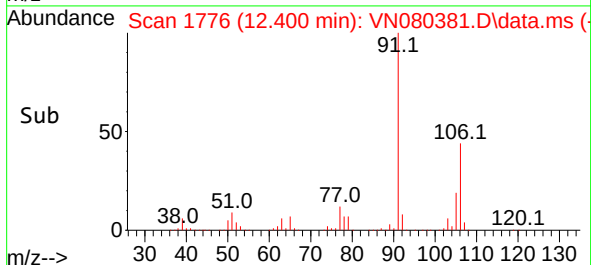
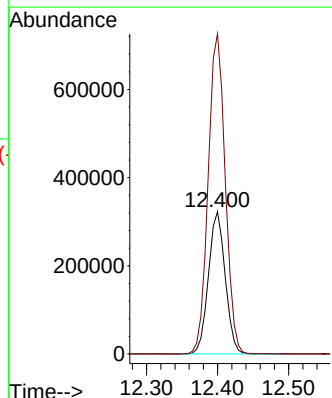
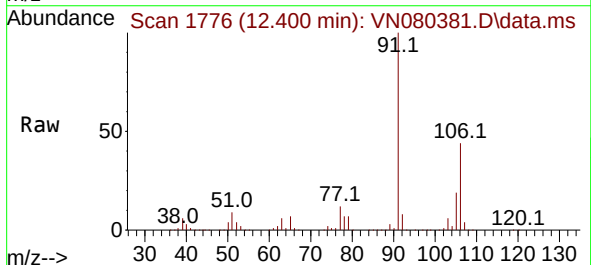
Manual Integrations
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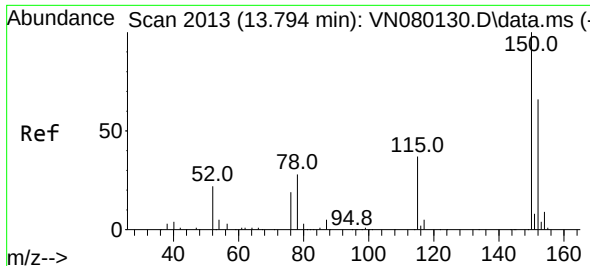
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023



#69
o-Xylene
Concen: 116.490 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

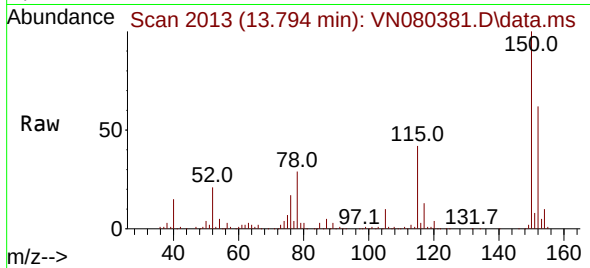
Tgt Ion:106 Resp: 528661
Ion Ratio Lower Upper
106 100
91 229.4 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

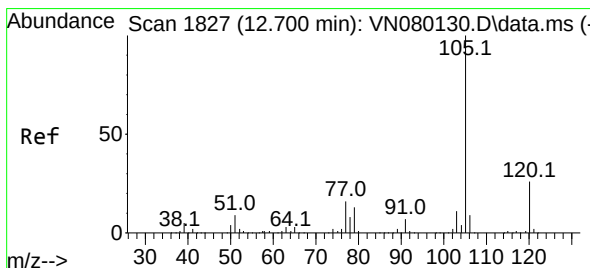
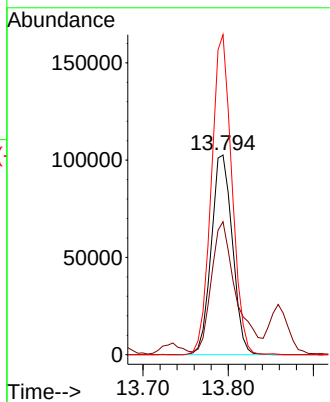
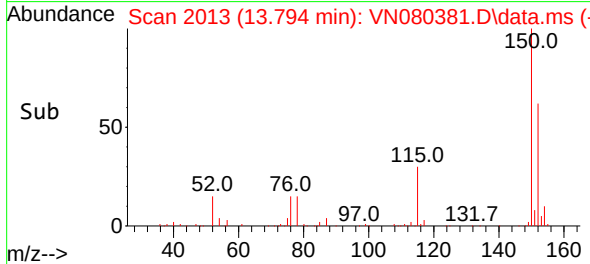
Instrument :
MSVOA_N
ClientSampleId :
DUP-01



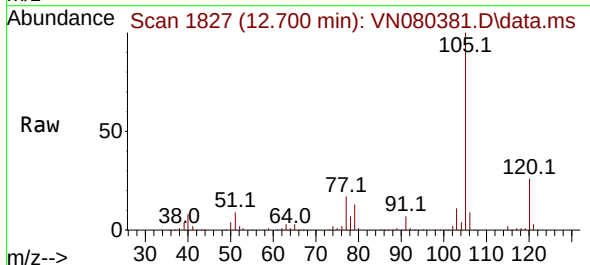
Tgt Ion:152 Resp: 176500
Ion Ratio Lower Upper
152 100
115 75.8 32.3 96.8
150 156.2 0.0 355.8

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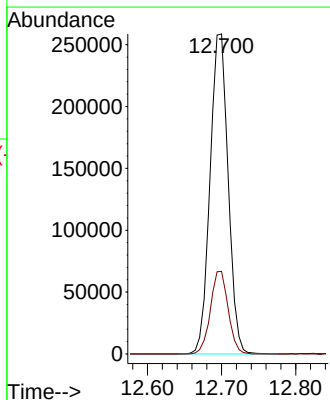
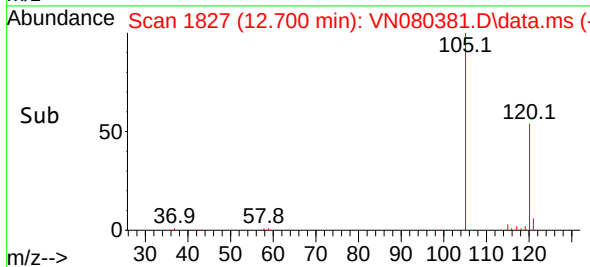
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023

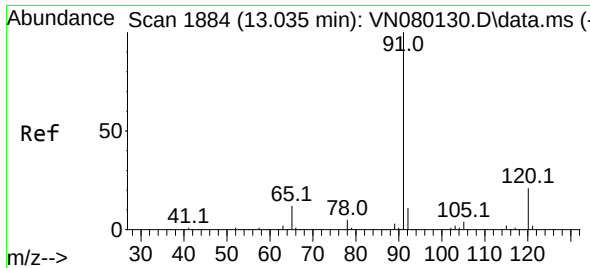


#73
Isopropylbenzene
Concen: 32.013 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13



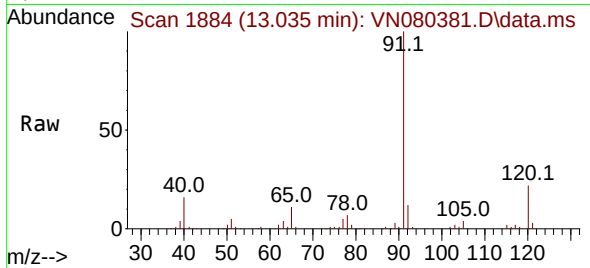
Tgt Ion:105 Resp: 439063
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.1





#78
n-propylbenzene
Concen: 12.159 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

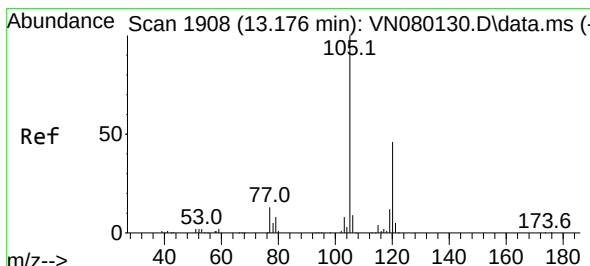
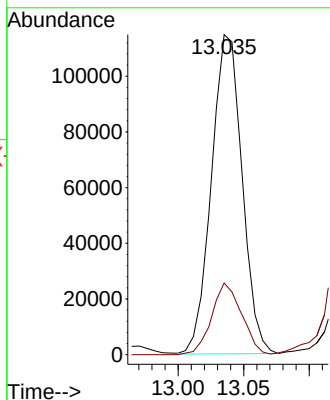
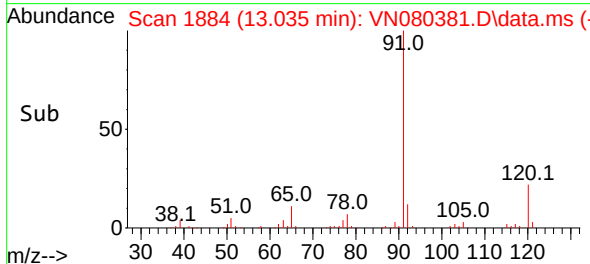
Instrument :
MSVOA_N
ClientSampleId :
DUP-01



Tgt Ion: 91 Resp: 18647
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.4

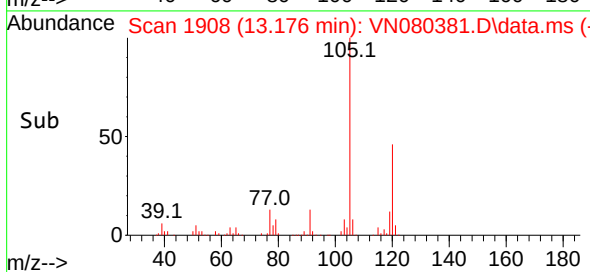
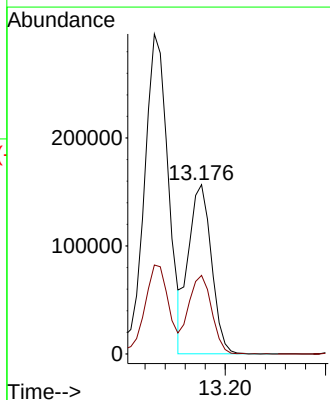
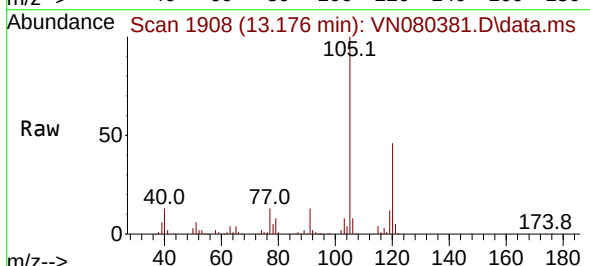
Manual Integrations
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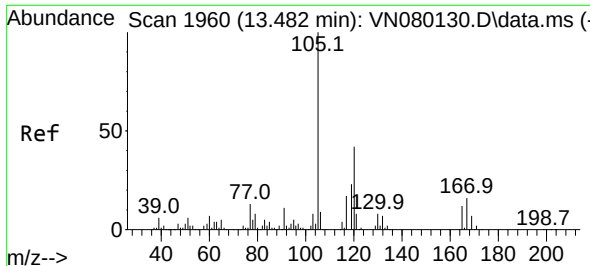
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023



#80
1,3,5-Trimethylbenzene
Concen: 20.883 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

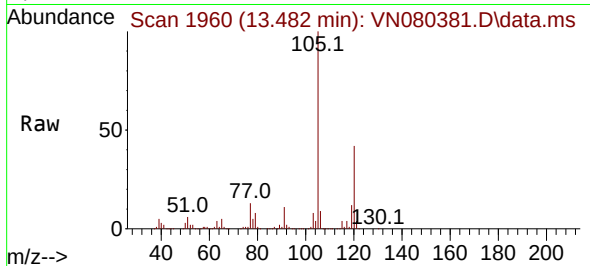
Tgt Ion:105 Resp: 249325
Ion Ratio Lower Upper
105 100
120 46.9 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 107.125 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13

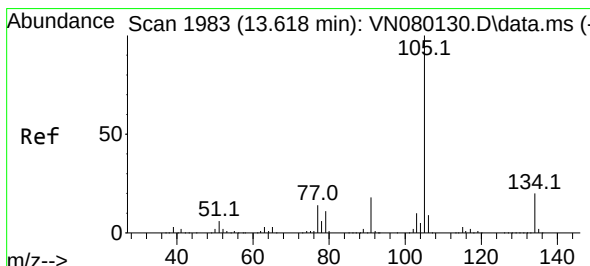
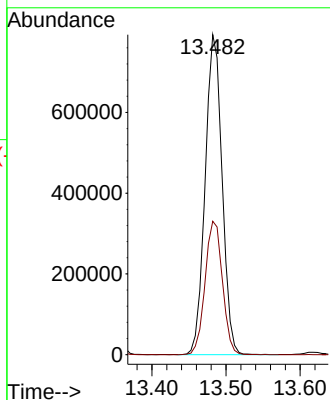
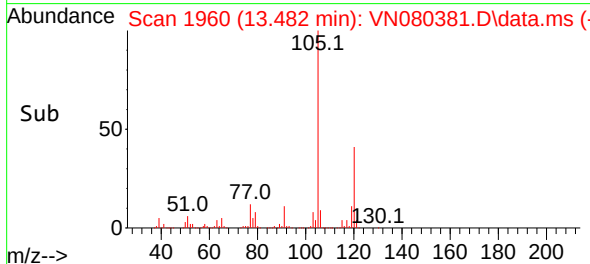
Instrument :
MSVOA_N
ClientSampleId :
DUP-01



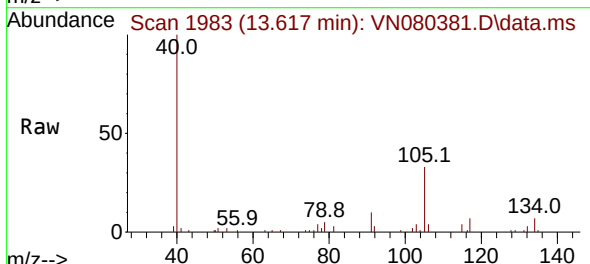
Tgt Ion:105 Resp: 1259384
Ion Ratio Lower Upper
105 100
120 42.7 22.0 66.0

Manual Integrations
APPROVED

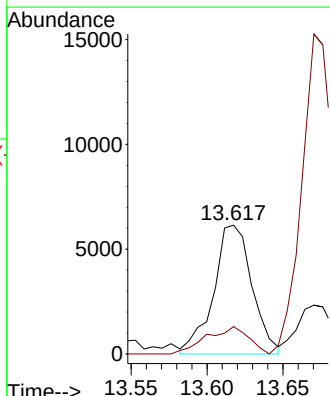
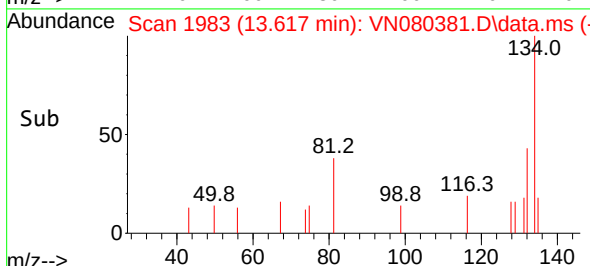
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023

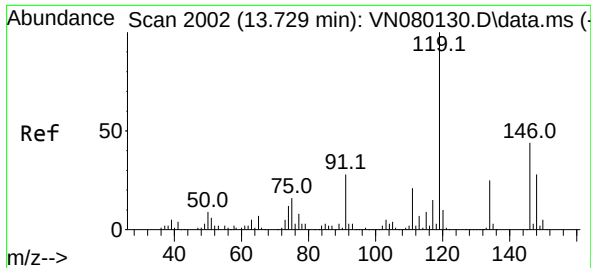


#85
sec-Butylbenzene
Concen: 0.892 ug/l m
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN080381.D
Acq: 06 Dec 2023 13:13



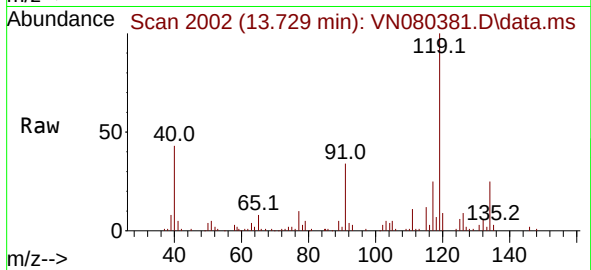
Tgt Ion:105 Resp: 10805
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#86
 p-Isopropyltoluene
 Concen: 6.160 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080381.D
 Acq: 06 Dec 2023 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01



Tgt Ion:119 Resp: 66650

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	0.0	12.4	37.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/08/2023
 Supervised By :Mahesh Dadoda 12/08/2023

