

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074970.D
 Acq On : 21 Oct 2022 18:36
 Operator : JC\MD
 Sample : N5222-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/04/2022
 Supervised By :Mahesh Dadoda 11/04/2022

Quant Time: Oct 22 02:55:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	686130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1160916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1170431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	847081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	746655	40.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.920%		
35) Dibromofluoromethane	8.171	113	570234	41.268	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.540%		
50) Toluene-d8	10.571	98	2456912	46.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.680%		
62) 4-Bromofluorobenzene	12.853	95	920145	49.204	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.400%		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.230	56	115712	6.213	ug/l #	55
39) Methylcyclohexane	9.606	83	236534	11.472	ug/l	96
40) Benzene	8.612	78	19224	0.358	ug/l #	88
52) Toluene	10.630	92	13973	0.399	ug/l	100
67) Ethyl Benzene	11.965	91	941564	14.984	ug/l	99
68) m/p-Xylenes	12.082	106	34934	1.426	ug/l	92
69) o-Xylene	12.400	106	108760	4.431	ug/l	91
73) Isopropylbenzene	12.700	105	5500421	79.497	ug/l	99
78) n-propylbenzene	13.041	91	6445537	79.597	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1185023	19.828	ug/l	96
84) 1,2,4-Trimethylbenzene	13.471	105	21874616m	362.375	ug/l	
85) sec-Butylbenzene	13.618	105	421163m	5.672	ug/l	
86) p-Isopropyltoluene	13.735	119	1247012m	20.390	ug/l	
89) n-Butylbenzene	14.053	91	576511m	11.039	ug/l	
95) Naphthalene	15.623	128	35487761m	689.569	ug/l	

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

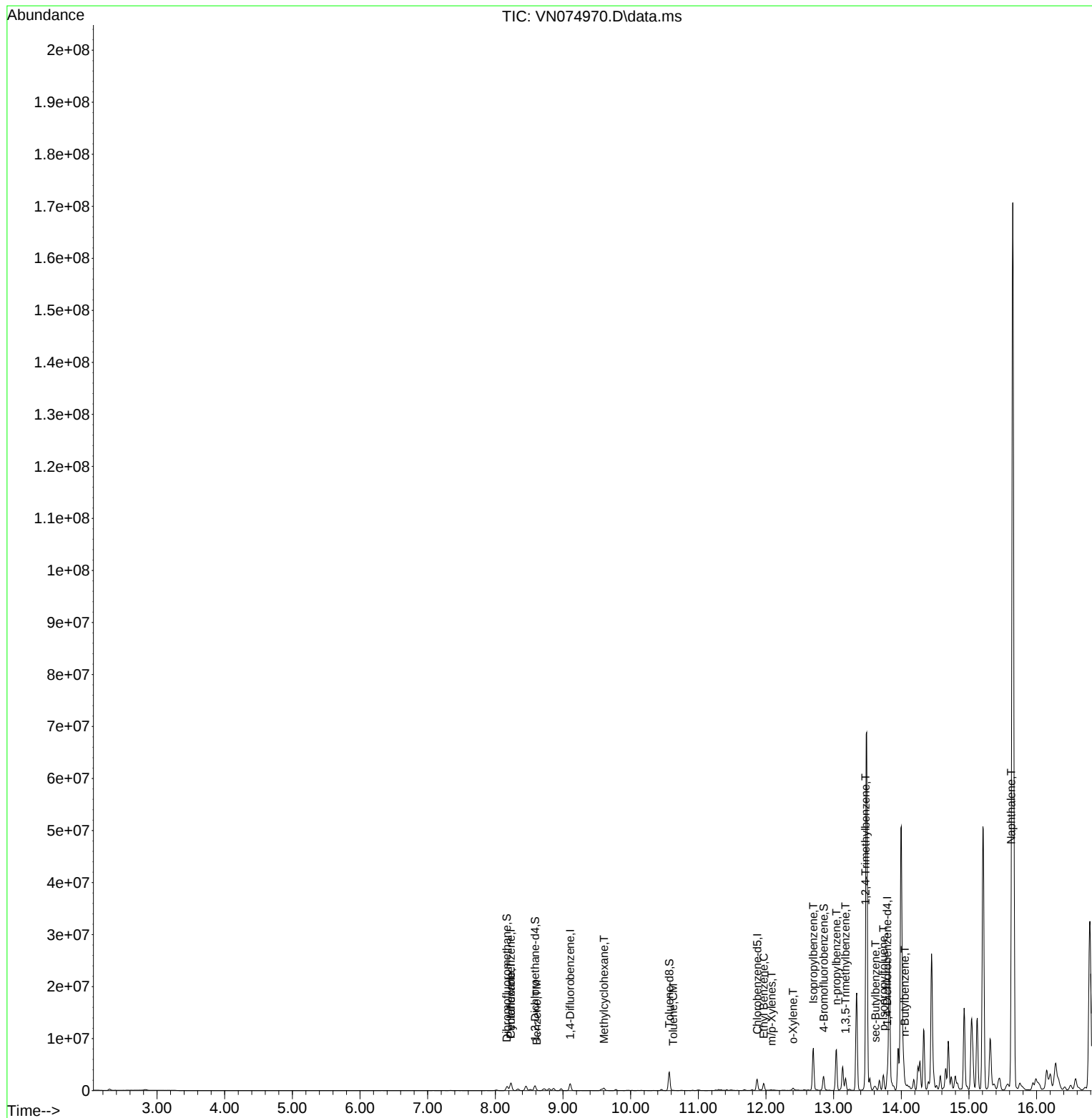
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Data File : VN074970.D
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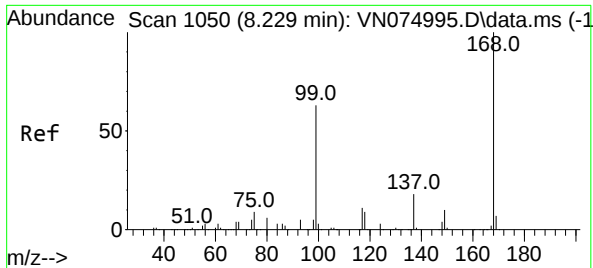
Instrument :
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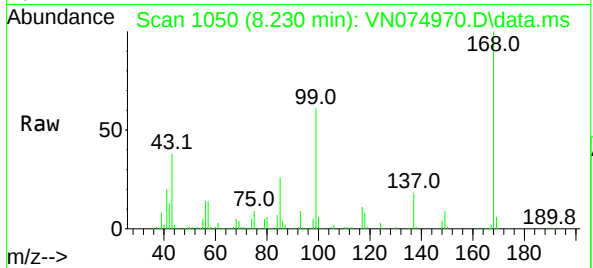
Quant Time: Oct 22 02:55:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 21 09:37:47 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

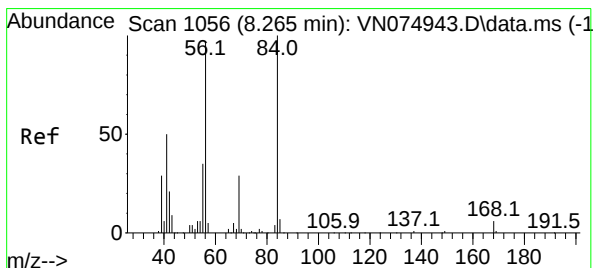
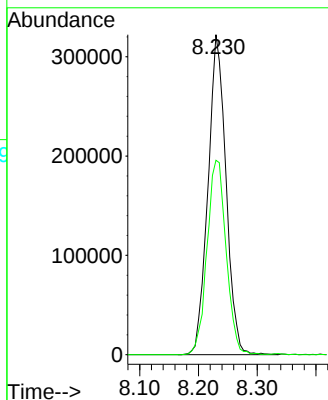
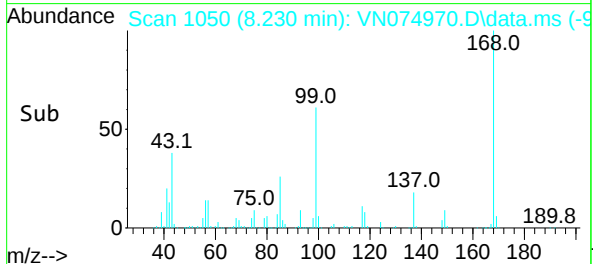
Instrument :
MSVOA_N
ClientSampleId :
MW-14



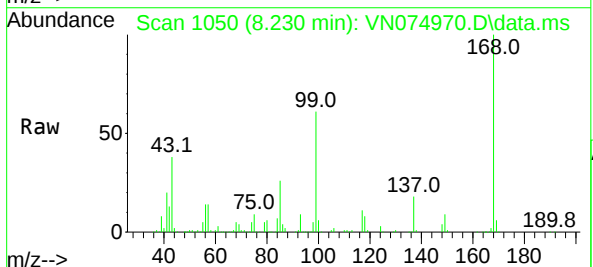
Tgt Ion:168 Resp: 686130
Ion Ratio Lower Upper
168 100
99 60.7 52.2 78.4

Manual Integrations
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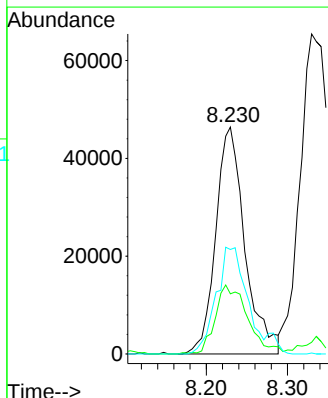
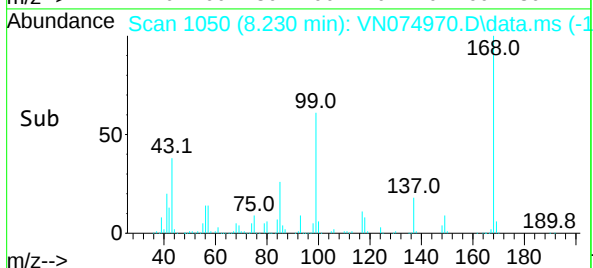
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

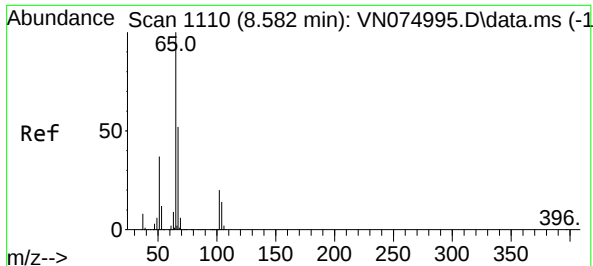


#31
Cyclohexane
Concen: 6.213 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36



Tgt Ion: 56 Resp: 115712
Ion Ratio Lower Upper
56 100
69 26.5 24.2 36.2
84 46.1 82.8 124.2#





#33

1,2-Dichloroethane-d4

Concen: 40.958 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN074970.D

Acq: 21 Oct 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tgt Ion: 65 Resp: 74665

Ion Ratio Lower Upper

65 100

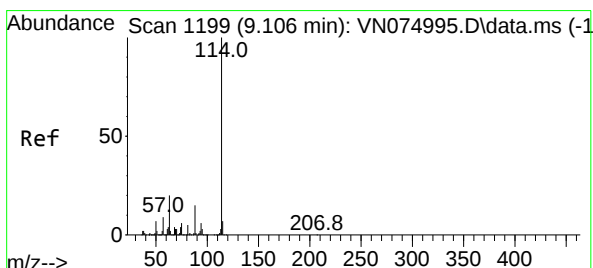
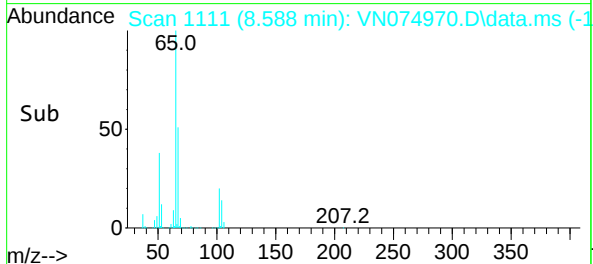
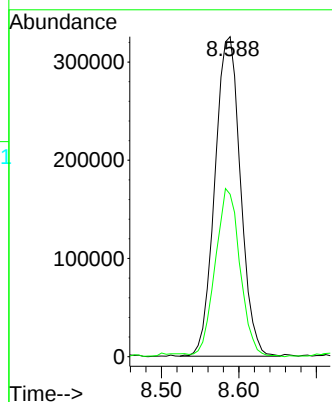
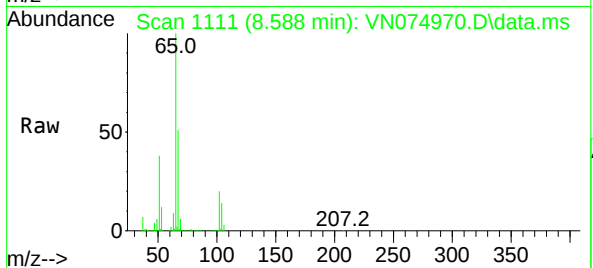
67 51.2 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074970.D

Acq: 21 Oct 2022 18:36

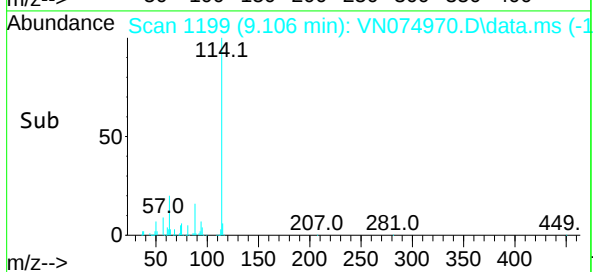
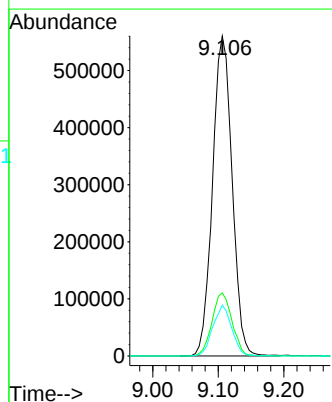
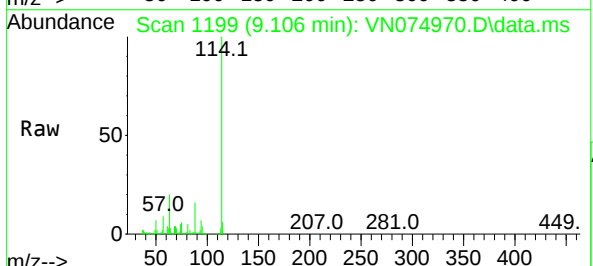
Tgt Ion:114 Resp: 1160916

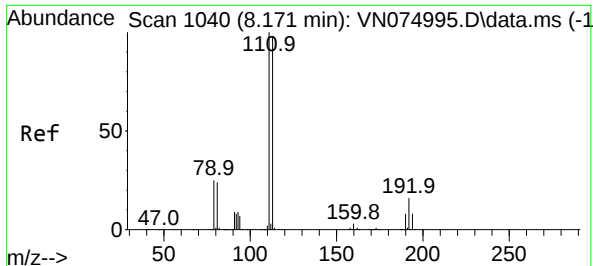
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 41.268 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN074970.D

Acq: 21 Oct 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tgt Ion: 113 Resp: 570234

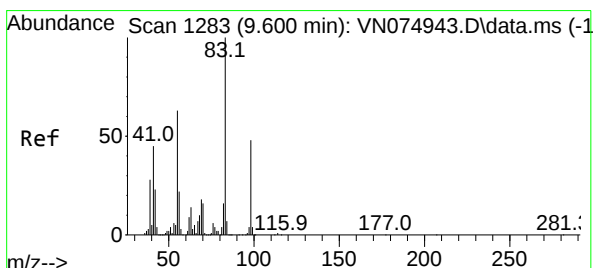
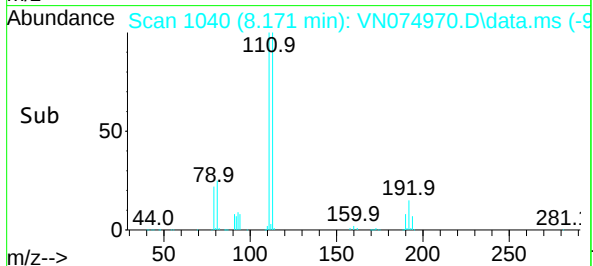
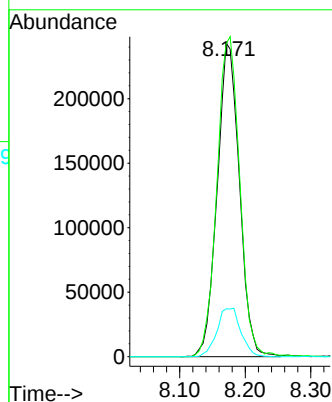
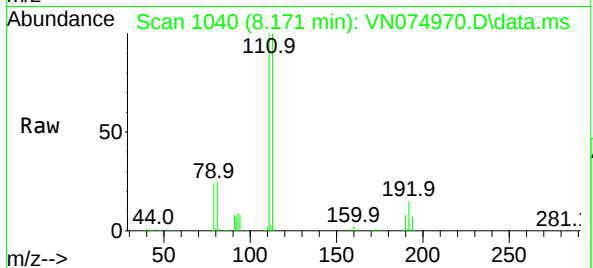
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.4	125.2
192	16.6	13.3	19.9

Manual Integrations

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Supervised By :Mahesh Dadoda 11/04/2022



#39

Methylcyclohexane

Concen: 11.472 ug/l

RT: 9.606 min Scan# 1284

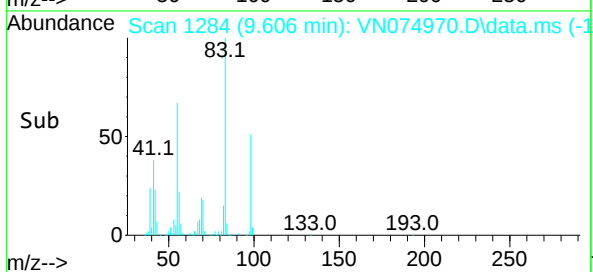
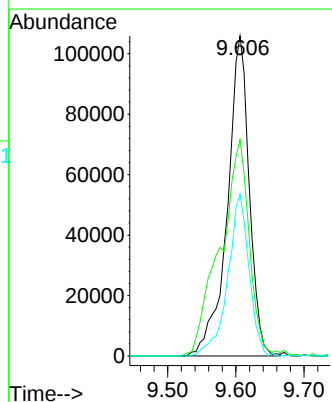
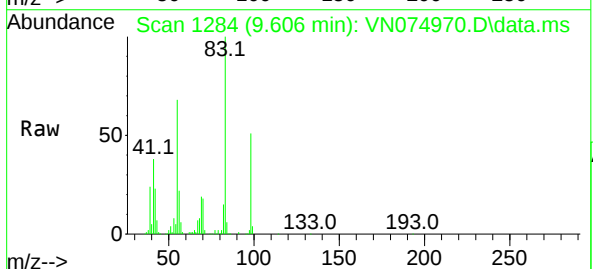
Delta R.T. 0.006 min

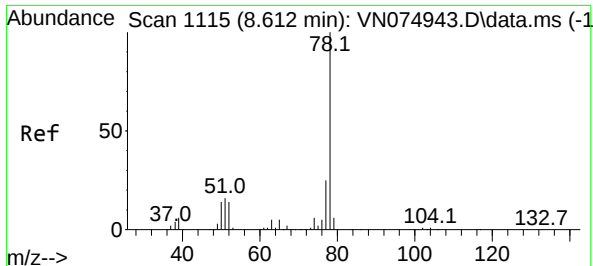
Lab File: VN074970.D

Acq: 21 Oct 2022 18:36

Tgt Ion: 83 Resp: 236534

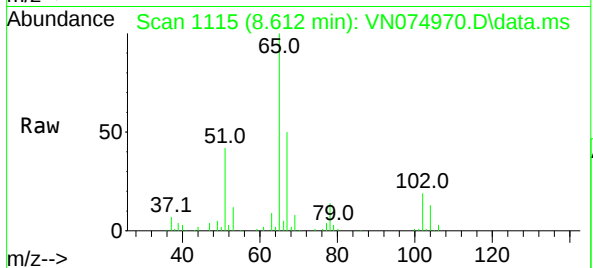
Ion	Ratio	Lower	Upper
83	100		
55	67.6	50.8	76.2
98	50.5	38.8	58.2





#40
Benzene
Concen: 0.358 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

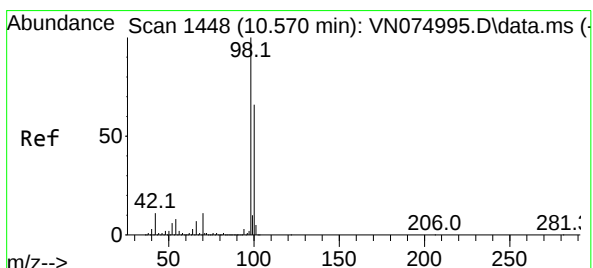
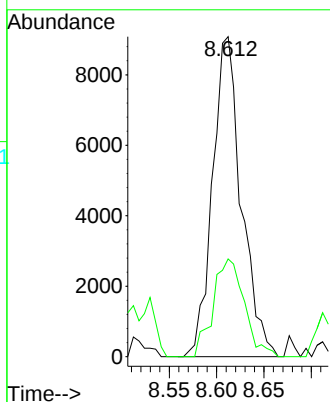
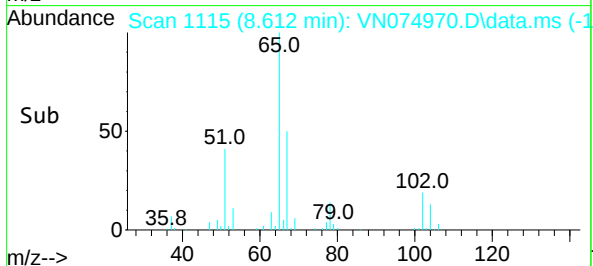
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 78 Resp: 19224
Ion Ratio Lower Upper
78 100
77 30.6 19.6 29.4

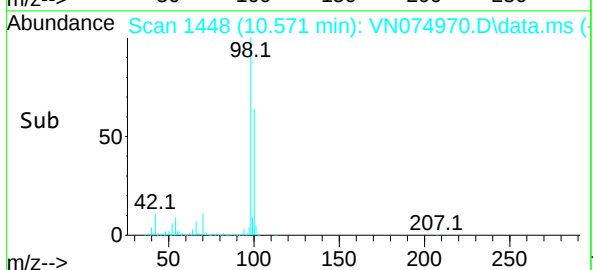
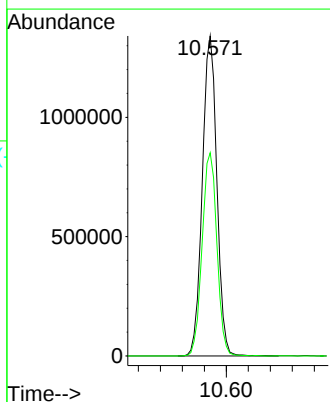
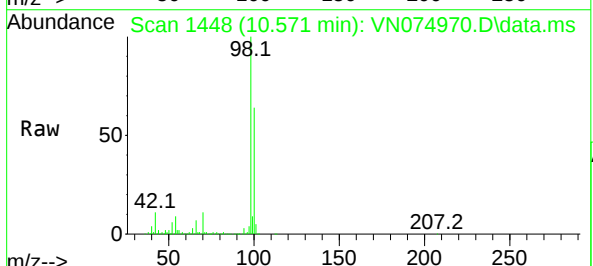
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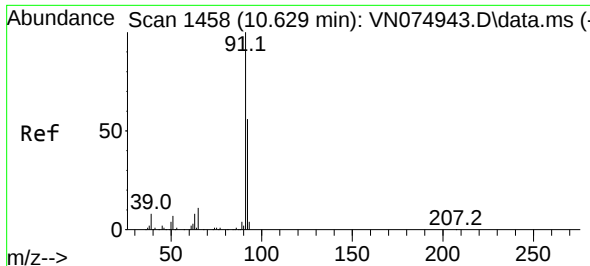
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#50
Toluene-d8
Concen: 46.343 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

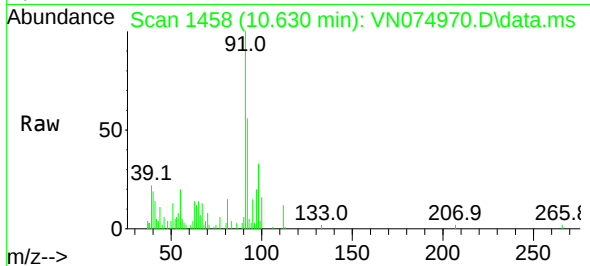
Tgt Ion: 98 Resp: 2456912
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2





#52
Toluene
Concen: 0.399 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

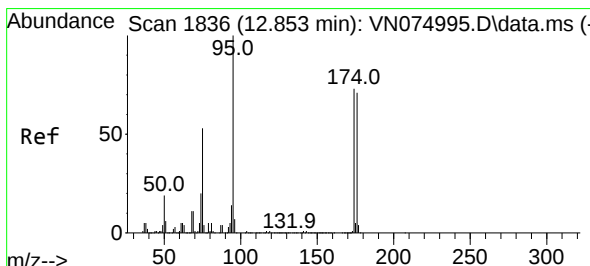
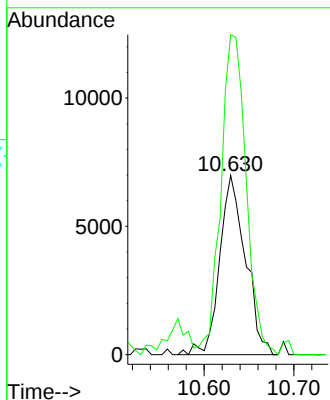
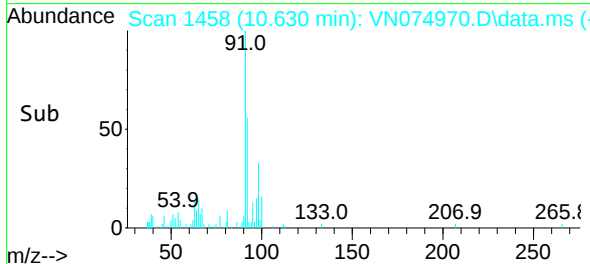
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 92 Resp: 1397
Ion Ratio Lower Upper
92 100
91 174.1 139.2 208.8

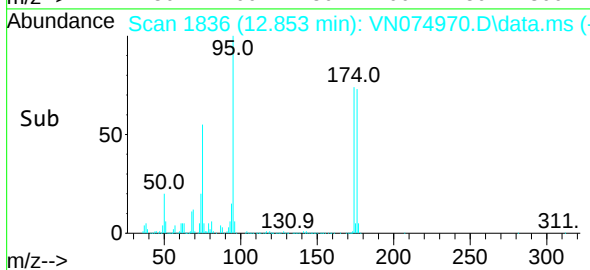
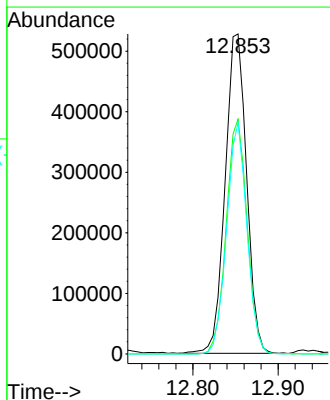
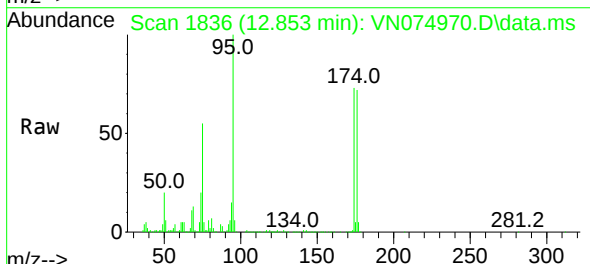
Manual Integrations
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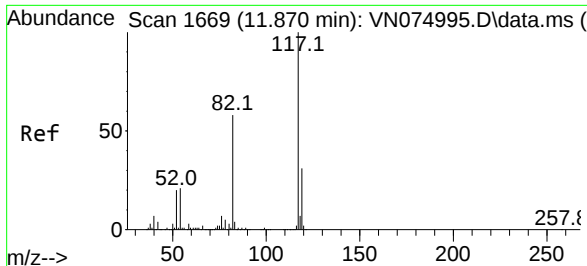
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#62
4-Bromofluorobenzene
Concen: 49.204 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

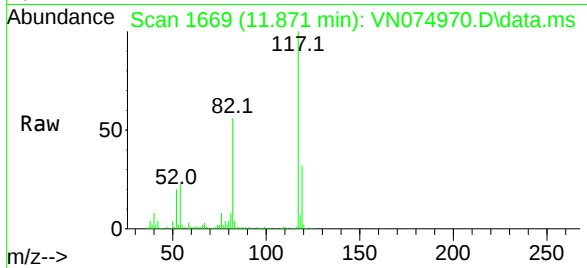
Tgt Ion: 95 Resp: 920145
Ion Ratio Lower Upper
95 100
174 71.7 0.0 143.0
176 68.3 0.0 138.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

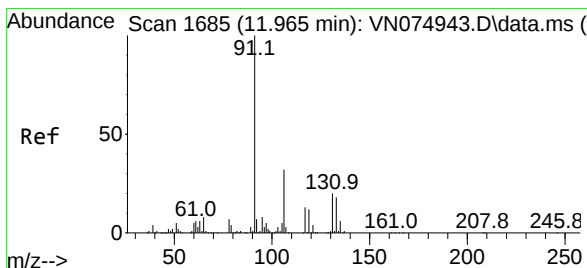
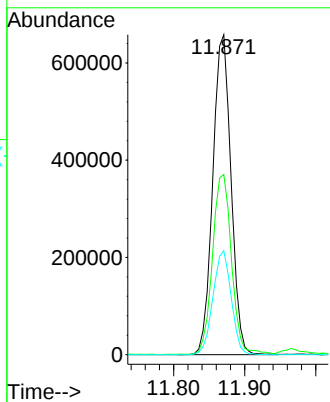
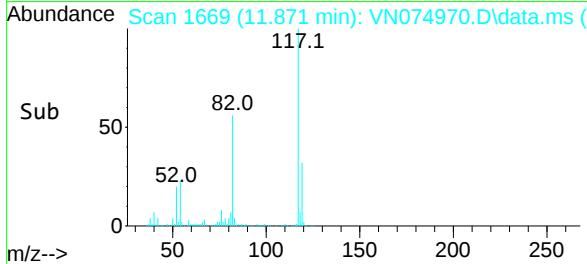
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 117 Resp: 117043
Ion Ratio Lower Upper
117 100
82 56.1 45.6 68.4
119 32.5 25.1 37.7

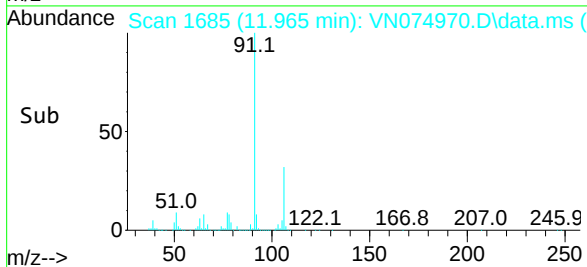
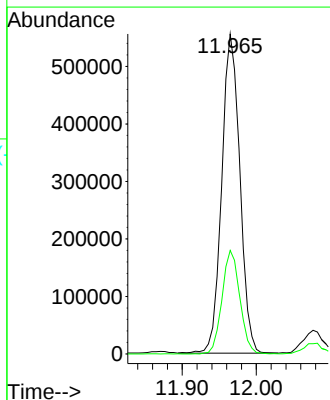
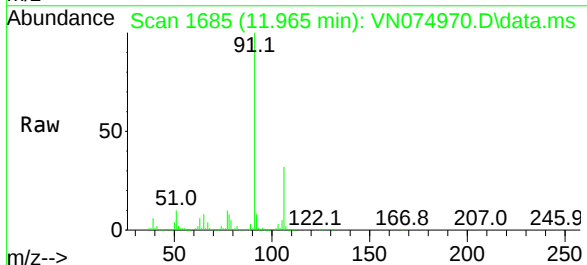
Manual Integrations
APPROVED

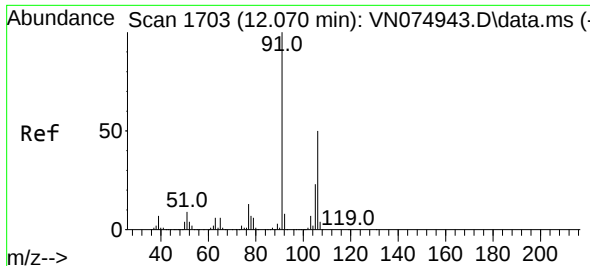
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#67
Ethyl Benzene
Concen: 14.984 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

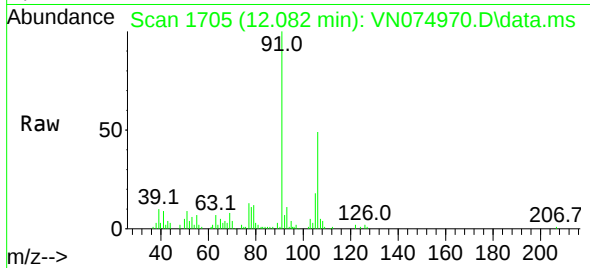
Tgt Ion: 91 Resp: 941564
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2





#68
m/p-Xylenes
Concen: 1.426 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

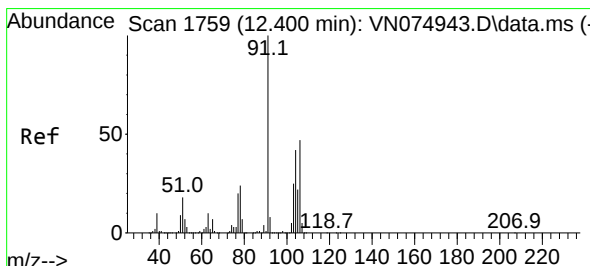
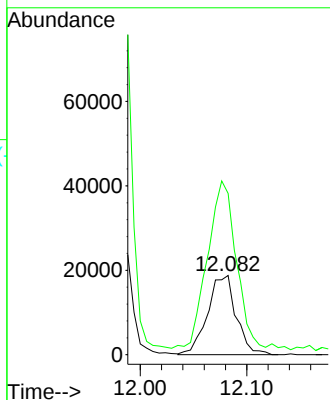
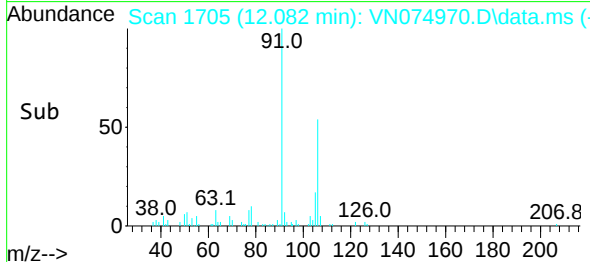
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:106 Resp: 34934
Ion Ratio Lower Upper
106 100
91 211.1 159.7 239.5

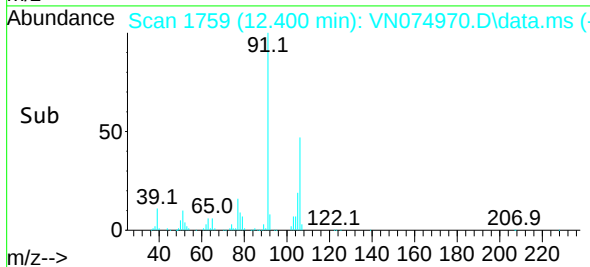
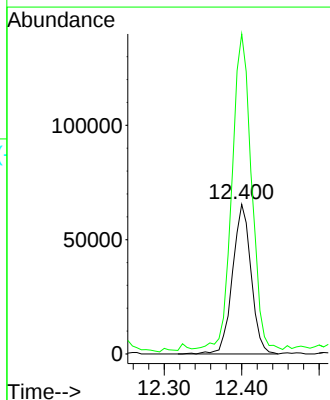
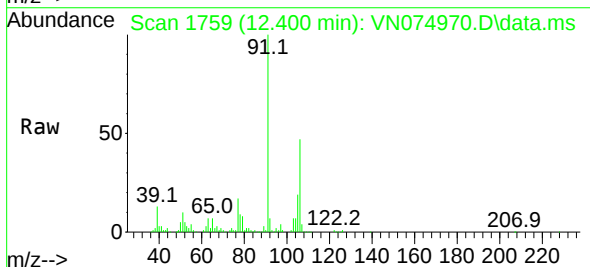
Manual Integrations
APPROVED

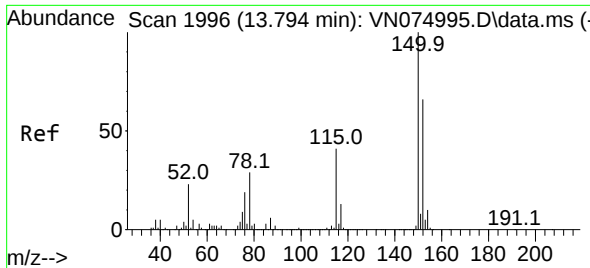
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#69
o-Xylene
Concen: 4.431 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

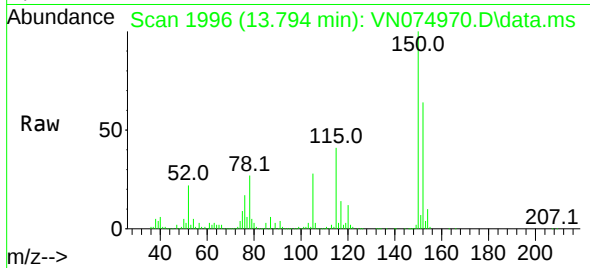
Tgt Ion:106 Resp: 108760
Ion Ratio Lower Upper
106 100
91 221.3 103.6 310.7





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

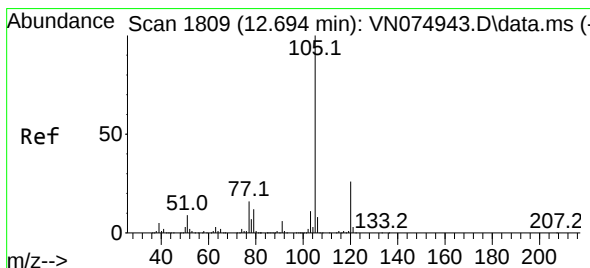
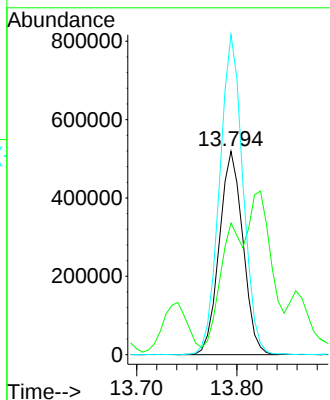
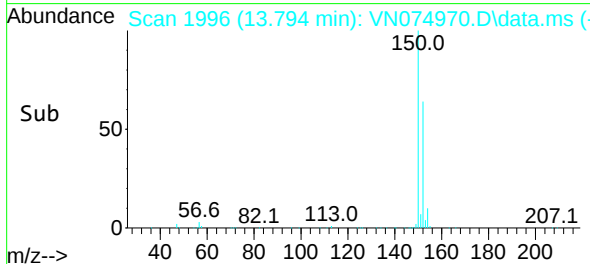
Instrument :
MSVOA_N
ClientSampleId :
MW-14



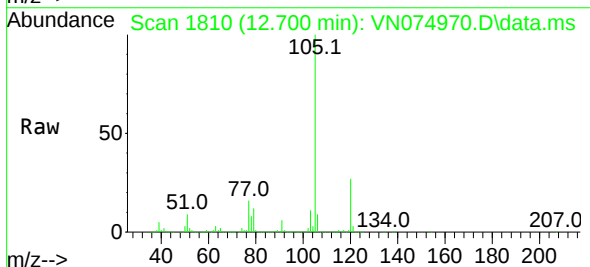
Tgt Ion:152 Resp: 847083
Ion Ratio Lower Upper
152 100
115 59.0 31.3 93.8
150 155.9 0.0 349.6

Manual Integrations
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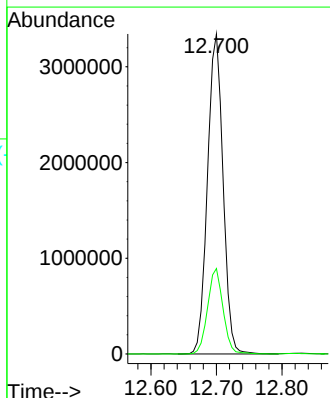
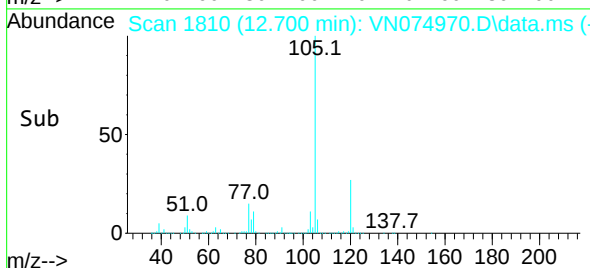
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

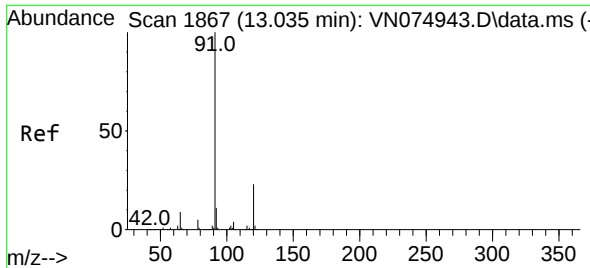


#73
Isopropylbenzene
Concen: 79.497 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36



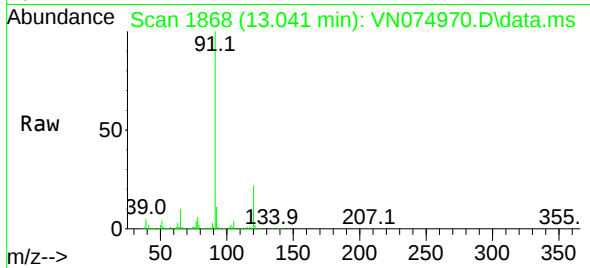
Tgt Ion:105 Resp: 5500421
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4





#78
n-propylbenzene
Concen: 79.597 ug/l
RT: 13.041 min Scan# 1867
Delta R.T. 0.006 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

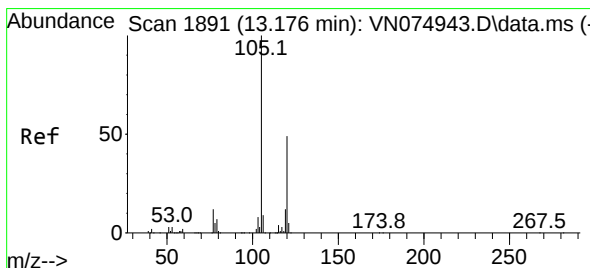
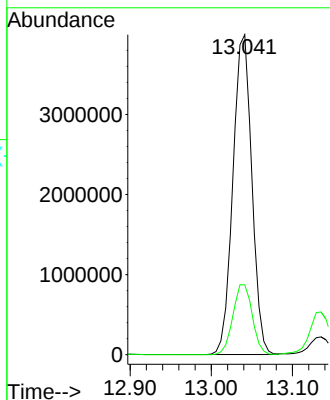
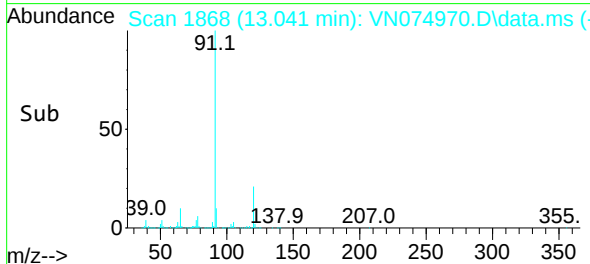
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 91 Resp: 644553
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4

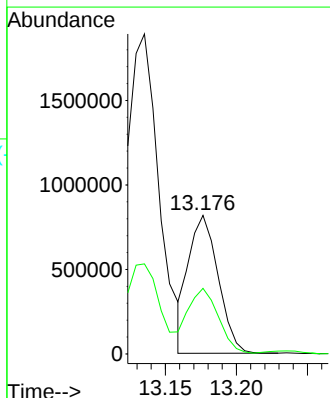
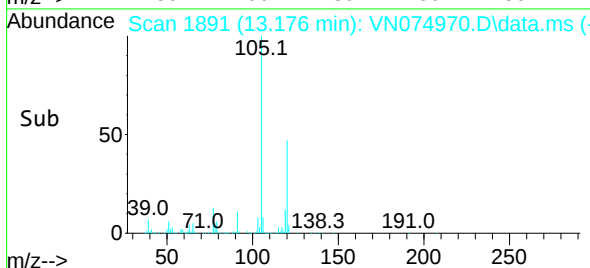
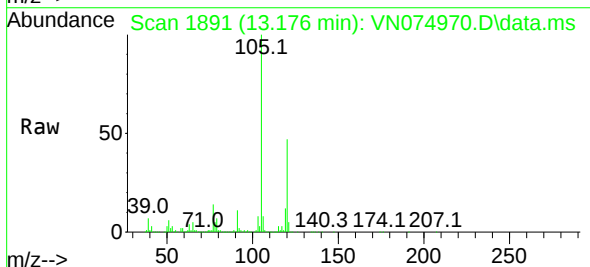
Manual Integrations
APPROVED

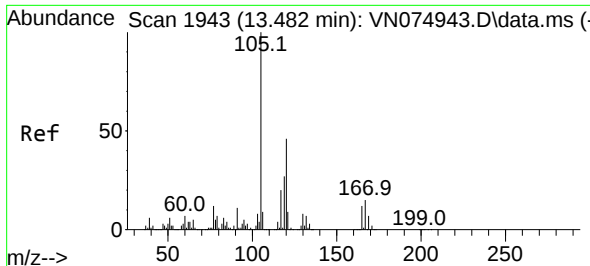
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#80
1,3,5-Trimethylbenzene
Concen: 19.828 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

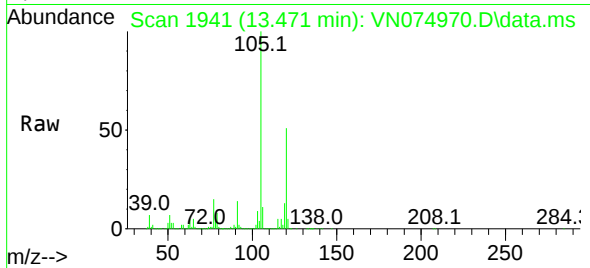
Tgt Ion:105 Resp: 1185023
Ion Ratio Lower Upper
105 100
120 51.3 24.3 72.9





#84
1,2,4-Trimethylbenzene
Concen: 362.375 ug/l m
RT: 13.471 min Scan# 1943
Delta R.T. -0.012 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

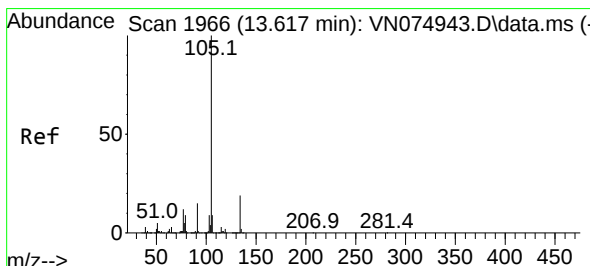
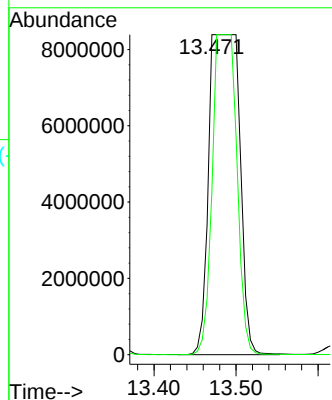
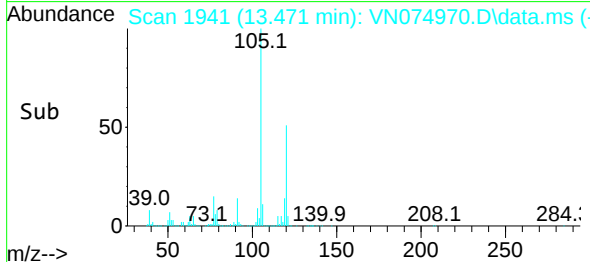
Instrument :
MSVOA_N
ClientSampleId :
MW-14



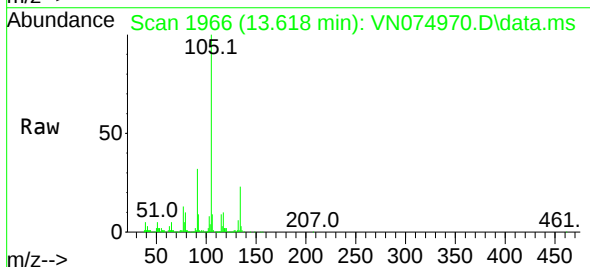
Tgt Ion:105 Resp:21874610
Ion Ratio Lower Upper
105 100
120 17.5 22.9 68.5

Manual Integrations
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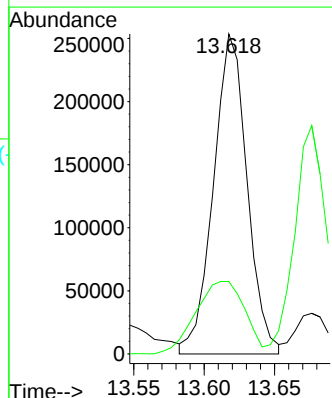
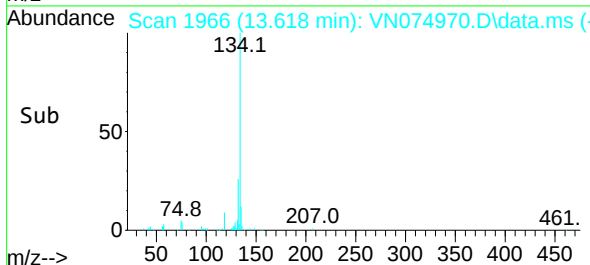
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

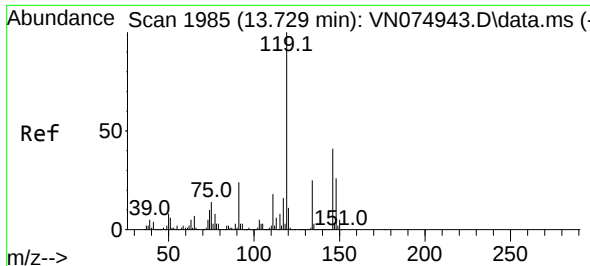


#85
sec-Butylbenzene
Concen: 5.672 ug/l m
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36



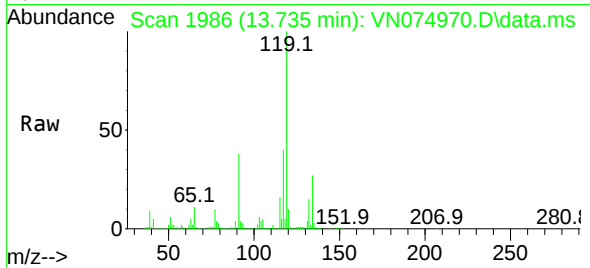
Tgt Ion:105 Resp: 421163
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#86
p-Isopropyltoluene
Concen: 20.390 ug/l m
RT: 13.735 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

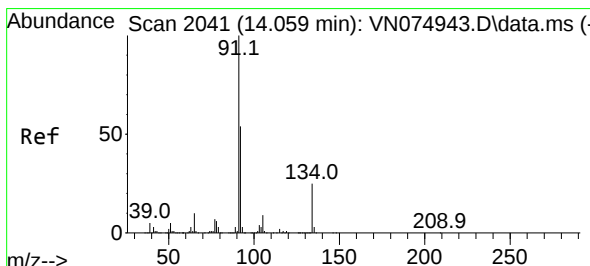
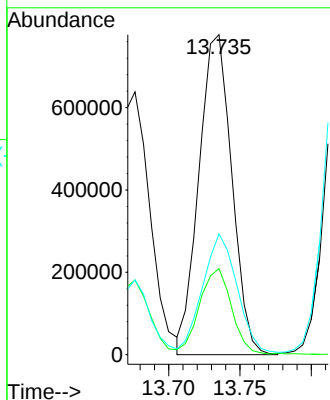
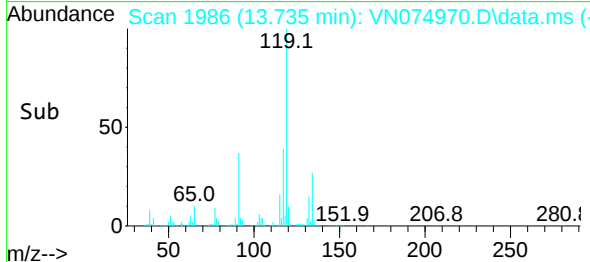
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:119 Resp: 1247012
Ion Ratio Lower Upper
119 100
134 21.3 12.9 38.7
91 20.0 11.9 35.5

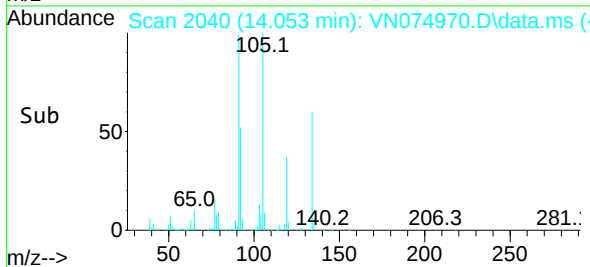
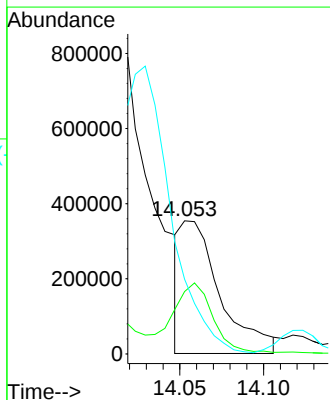
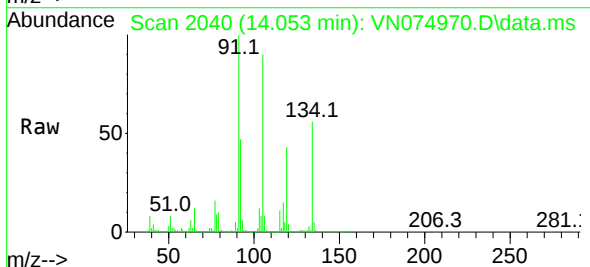
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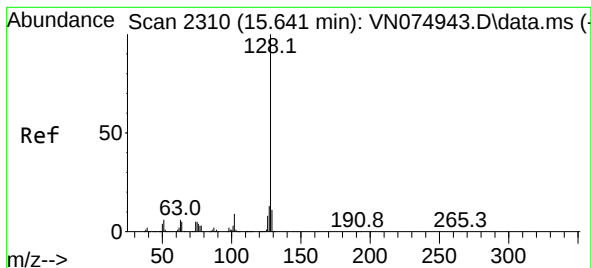
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#89
n-Butylbenzene
Concen: 11.039 ug/l m
RT: 14.053 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

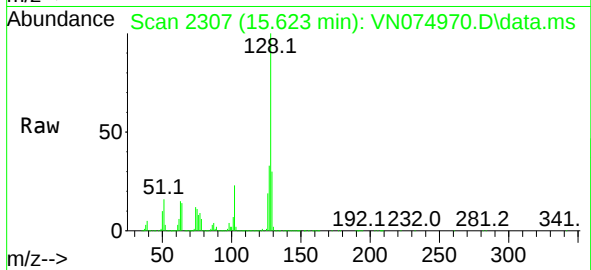
Tgt Ion: 91 Resp: 576511
Ion Ratio Lower Upper
91 100
92 85.6 26.3 78.9#
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 689.569 ug/l m
RT: 15.623 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN074970.D
Acq: 21 Oct 2022 18:36

Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:128 Resp:3548776
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6
129 0.0 8.6 12.8

Manual Integrations
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Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

