

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
 Data File : VN080500.D
 Acq On : 15 Dec 2023 14:00
 Operator : JC\MD
 Sample : 05829-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 12/18/2023
 Supervised By : Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 02:51:50 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	213947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	391520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179983	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144189	52.766	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.540%			
35) Dibromofluoromethane	8.165	113	120243	48.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	10.571	98	446604	48.240	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.480%			
62) 4-Bromofluorobenzene	12.847	95	181428	51.608	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.220%			
Target Compounds						Qvalue
16) Acetone	4.424	43	78022	161.030	ug/l	90
25) 2-Butanone	7.482	43	7609	8.152	ug/l	94
31) Cyclohexane	8.253	56	117843	31.712	ug/l #	93
39) Methylcyclohexane	9.600	83	141318	33.515	ug/l #	85
40) Benzene	8.606	78	490358	41.837	ug/l	100
52) Toluene	10.629	92	25532	3.448	ug/l	97
67) Ethyl Benzene	11.965	91	3952060	244.997	ug/l	96
68) m/p-Xylenes	12.076	106	1919736	322.060	ug/l	88
69) o-Xylene	12.400	106	44869	7.696	ug/l	85
73) Isopropylbenzene	12.694	105	359007	24.830	ug/l	98
78) n-propylbenzene	13.035	91	751227	47.124	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1246771	100.123	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	4884539	394.297	ug/l	98
85) sec-Butylbenzene	13.617	105	47648m	3.652	ug/l	
86) p-Isopropyltoluene	13.729	119	21979	1.866	ug/l #	75
89) n-Butylbenzene	14.053	91	57139m	5.809	ug/l	

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

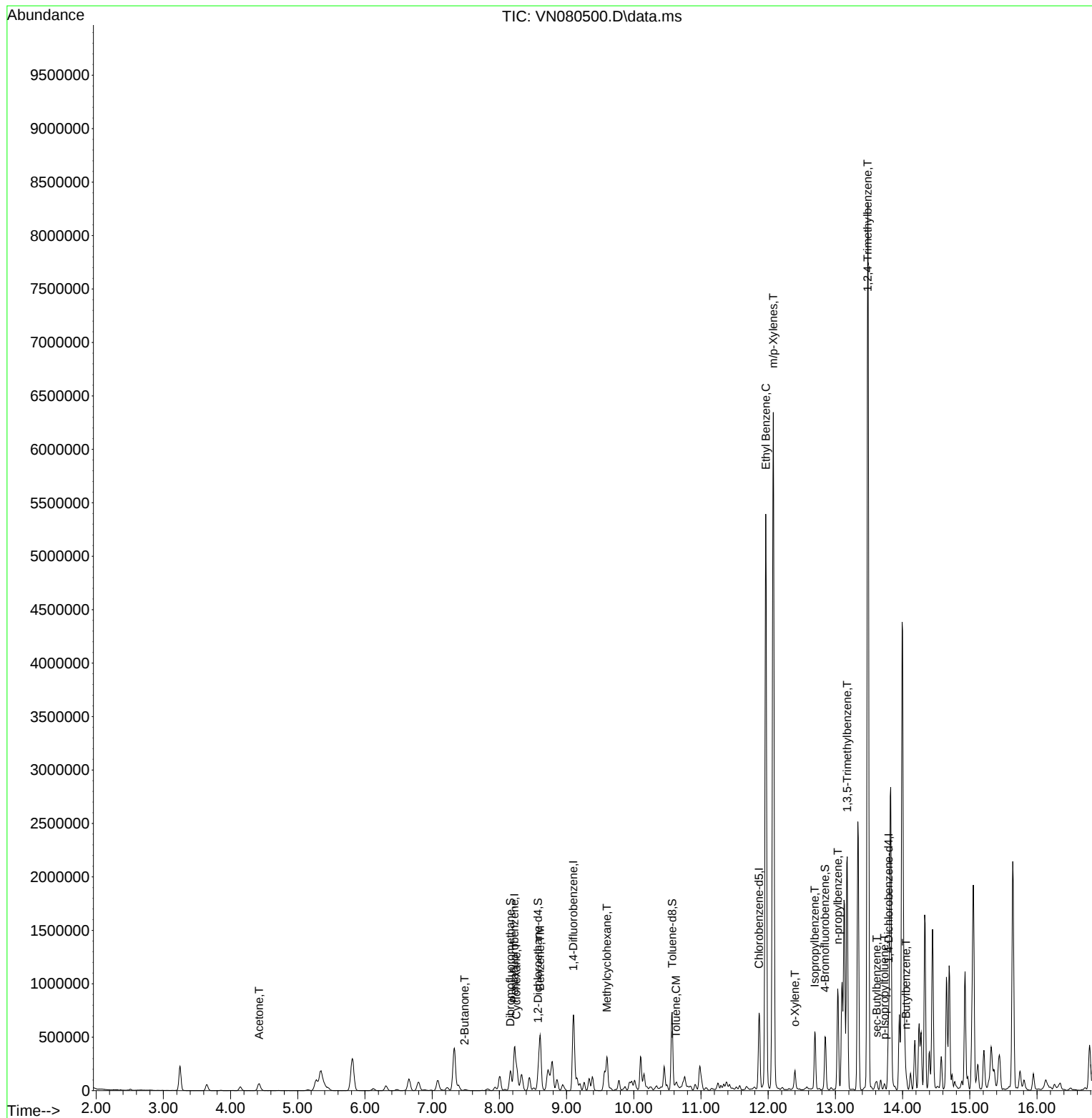
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
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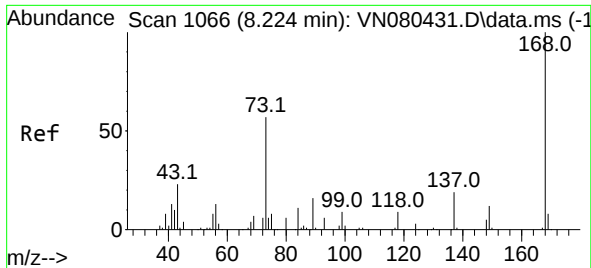
Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Time: Dec 16 02:51:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
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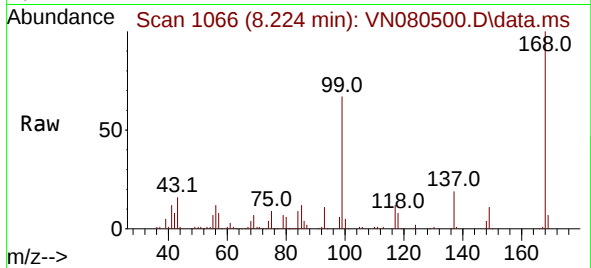
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

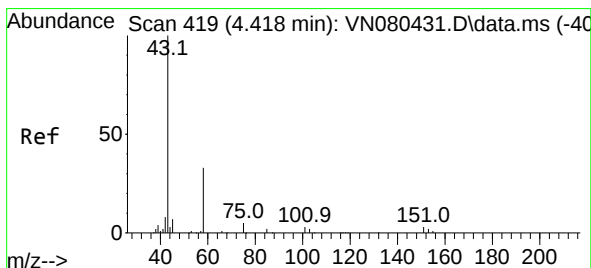
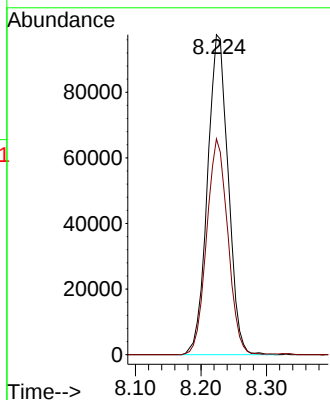
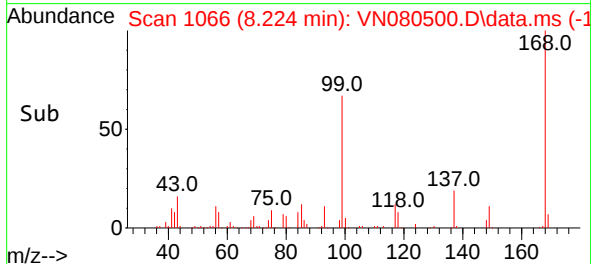
Instrument :
MSVOA_N
ClientSampleId :
MW-2



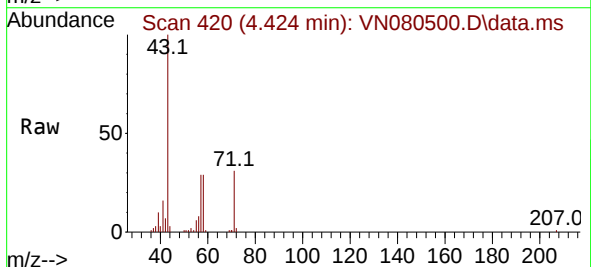
Tgt Ion:168 Resp: 21394
Ion Ratio Lower Upper
168 100
99 67.4 53.0 79.6

Manual Integrations
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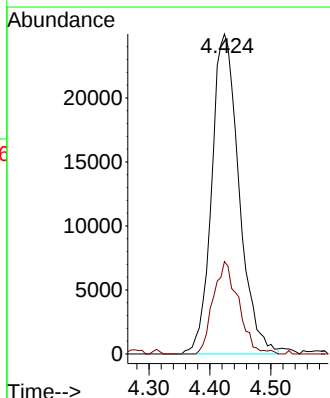
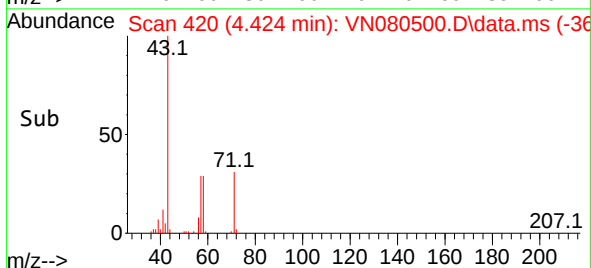
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

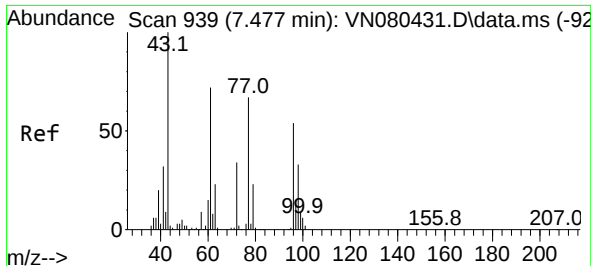


#16
Acetone
Concen: 161.030 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00



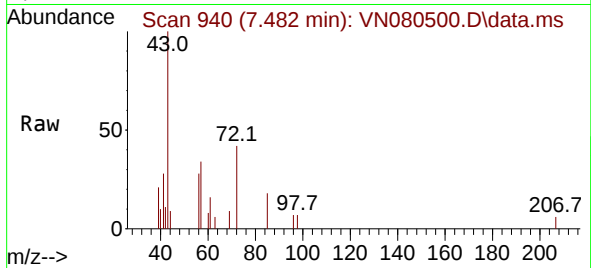
Tgt Ion: 43 Resp: 78022
Ion Ratio Lower Upper
43 100
58 28.9 28.0 42.0





#25
2-Butanone
Concen: 8.152 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

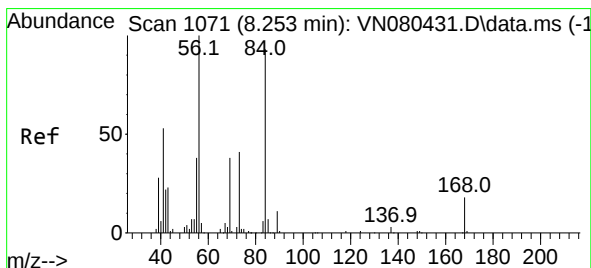
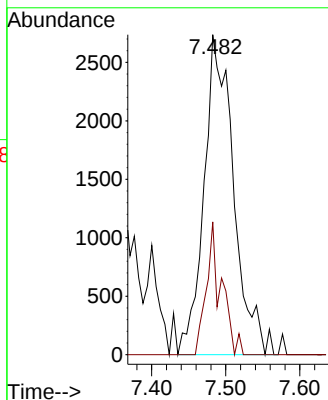
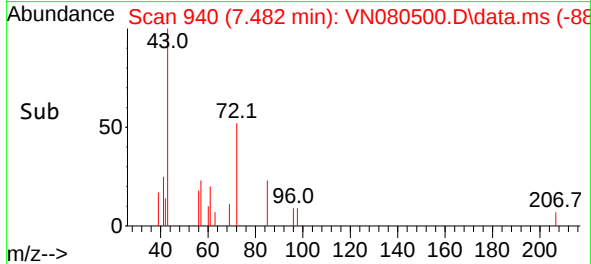
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
72 41.5 30.2 45.2

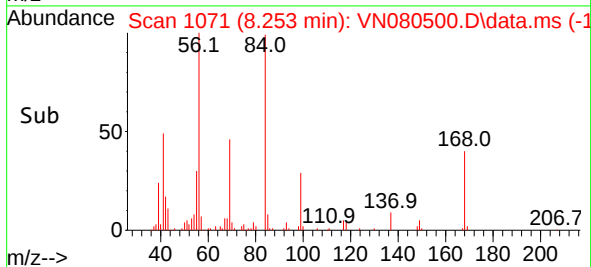
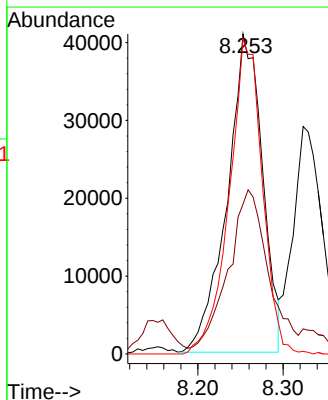
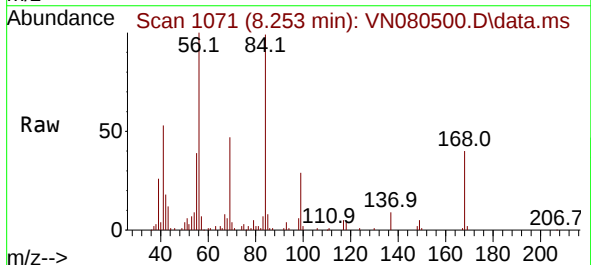
Manual Integrations
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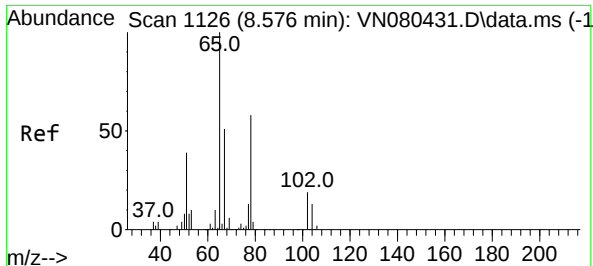
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#31
Cyclohexane
Concen: 31.712 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 56 Resp: 117843
Ion Ratio Lower Upper
56 100
69 43.2 26.8 40.2#
84 99.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.766 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tgt Ion: 65 Resp: 144189

Ion Ratio Lower Upper

65 100

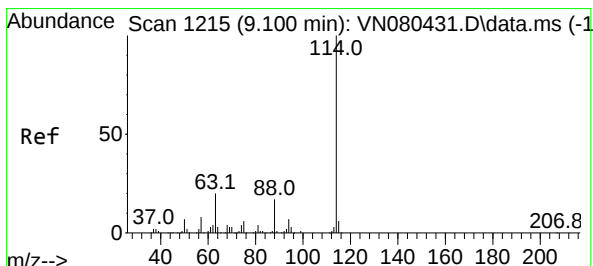
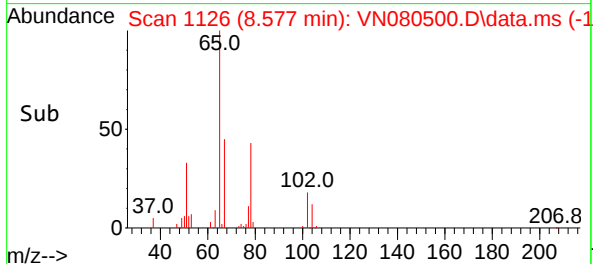
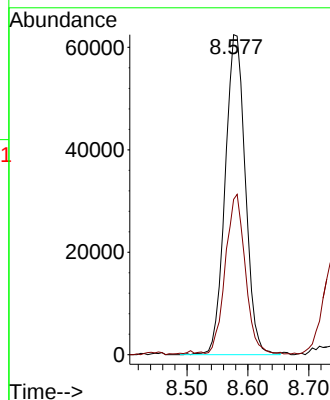
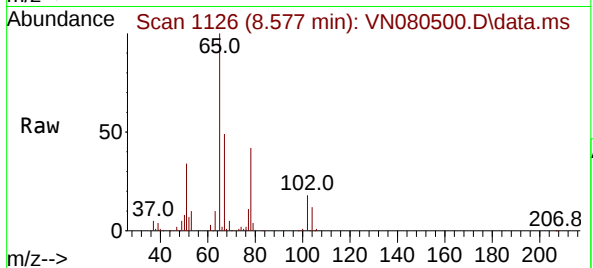
67 49.1 0.0 106.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

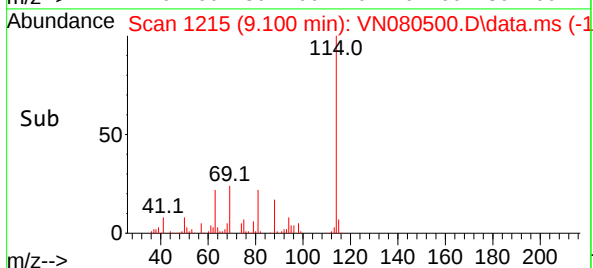
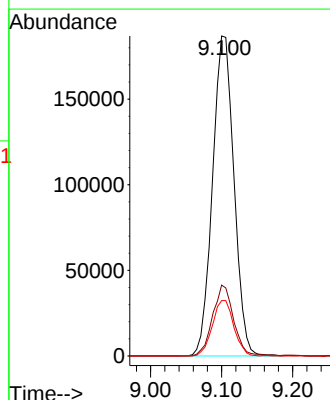
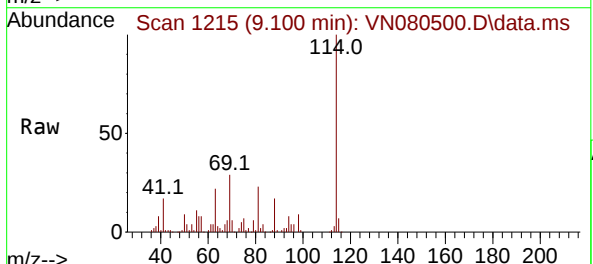
Tgt Ion:114 Resp: 391520

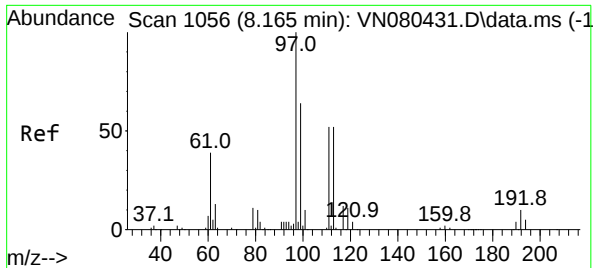
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

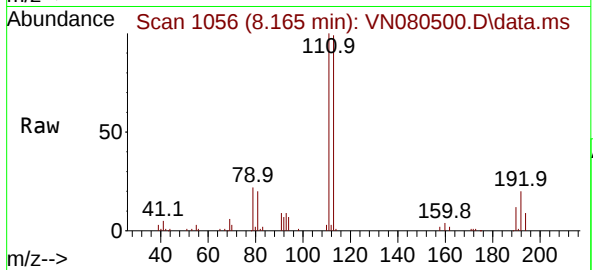
88 17.3 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.438 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

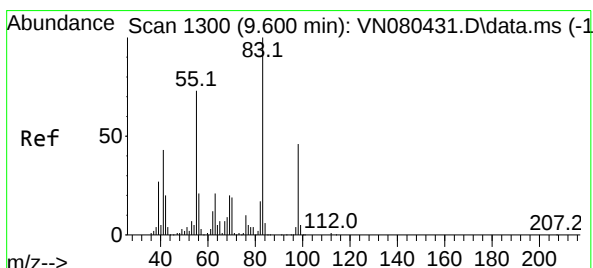
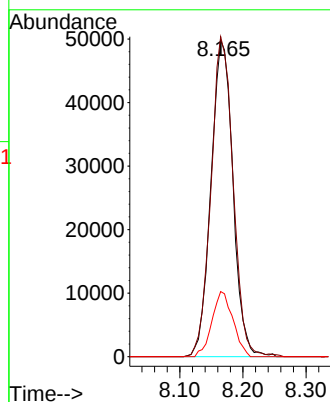
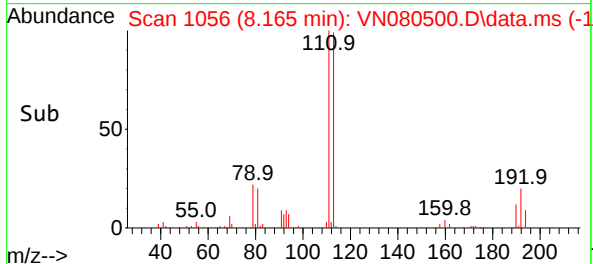
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion:113 Resp: 12024
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 19.6 12.7 19.1

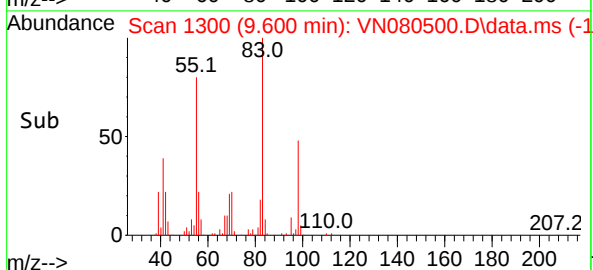
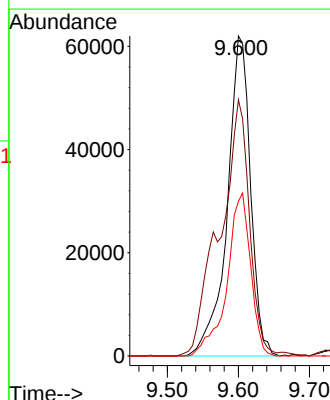
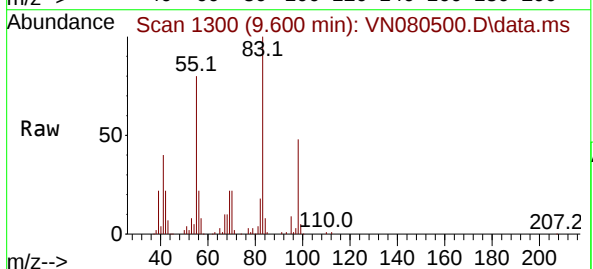
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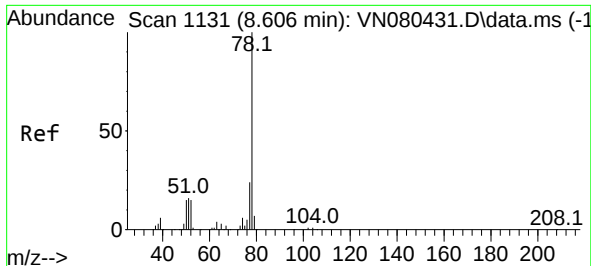
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#39
Methylcyclohexane
Concen: 33.515 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 83 Resp: 141318
Ion Ratio Lower Upper
83 100
55 79.7 49.1 73.7#
98 48.3 40.6 61.0





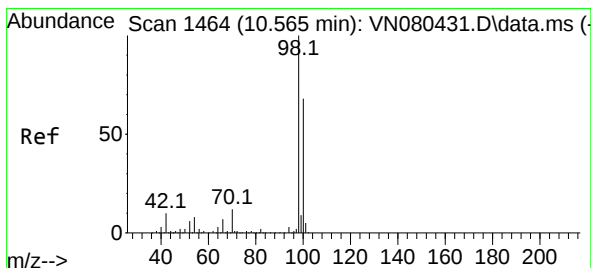
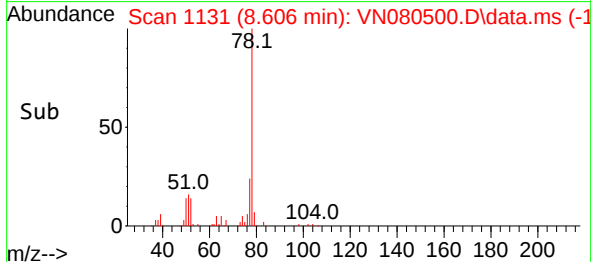
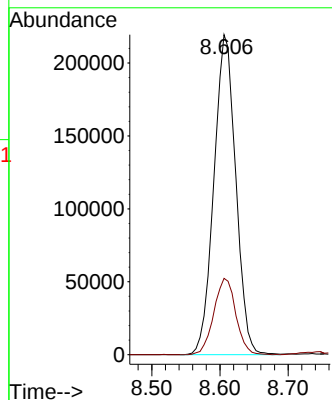
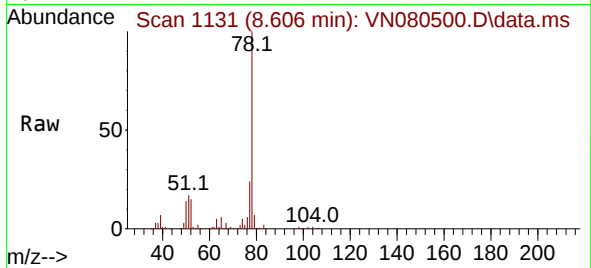
#40
Benzene
Concen: 41.837 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 78 Resp: 490358
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

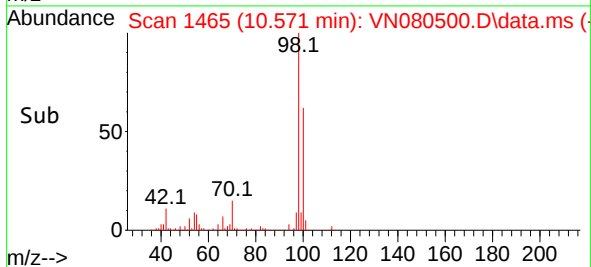
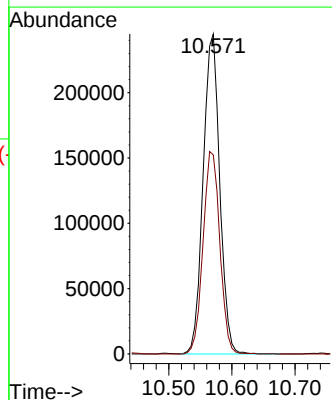
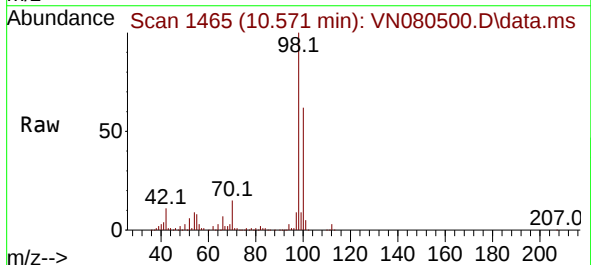
Manual Integrations
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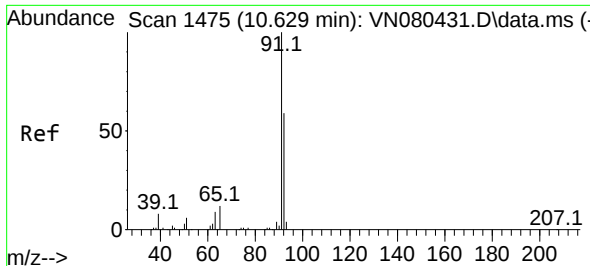
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#50
Toluene-d8
Concen: 48.240 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

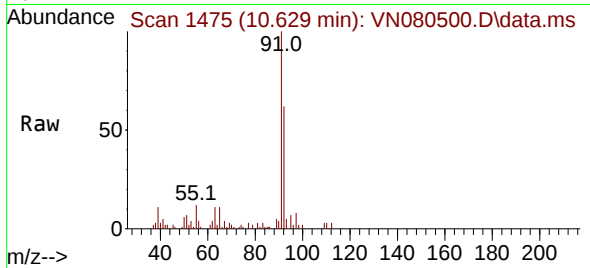
Tgt Ion: 98 Resp: 446604
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0





#52
Toluene
Concen: 3.448 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

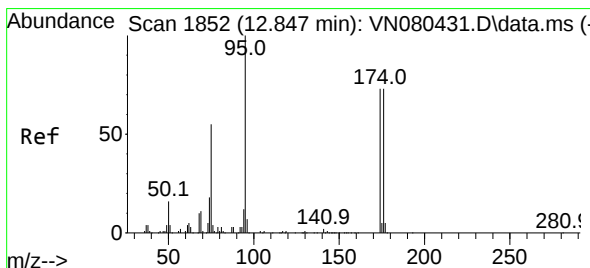
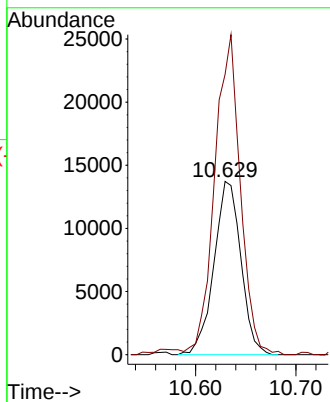
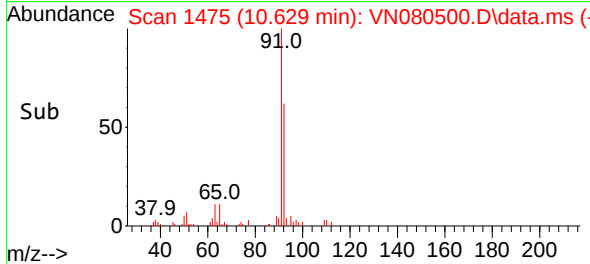
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 92 Resp: 25532
Ion Ratio Lower Upper
92 100
91 176.3 137.4 206.0

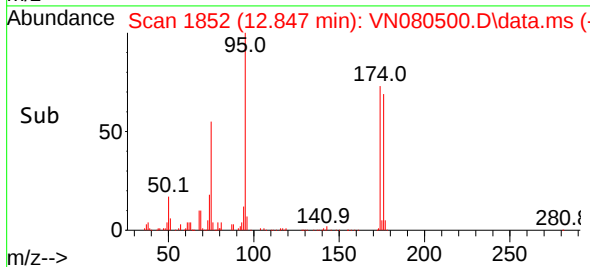
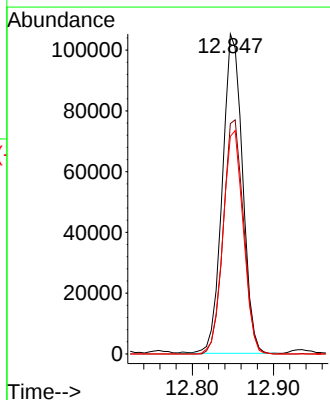
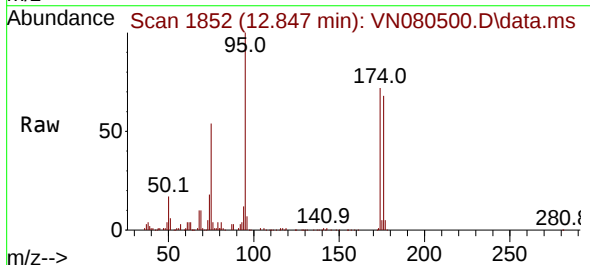
Manual Integrations
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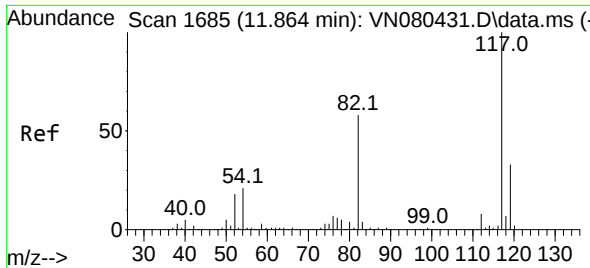
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#62
4-Bromofluorobenzene
Concen: 51.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 95 Resp: 181428
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 70.5 0.0 135.8





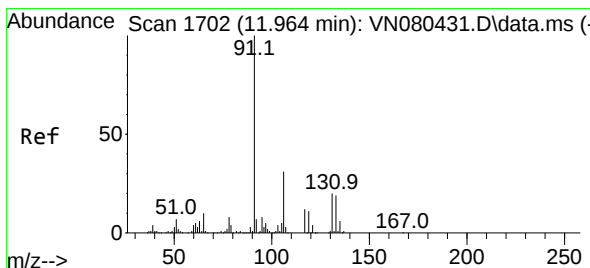
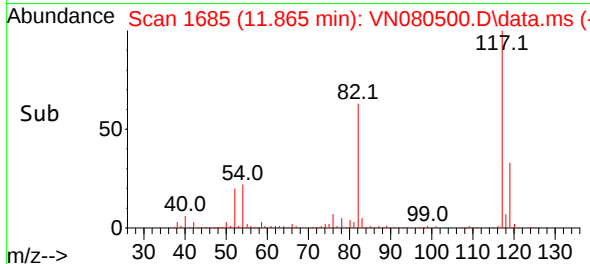
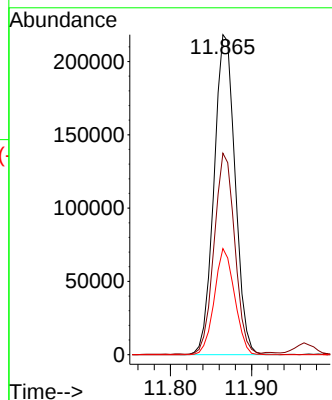
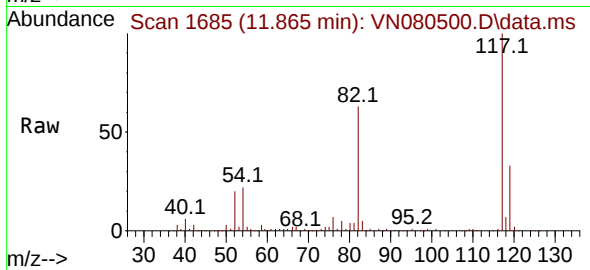
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Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:117 Resp: 39437
Ion Ratio Lower Upper
117 100
82 62.7 44.0 66.0
119 33.1 25.6 38.4

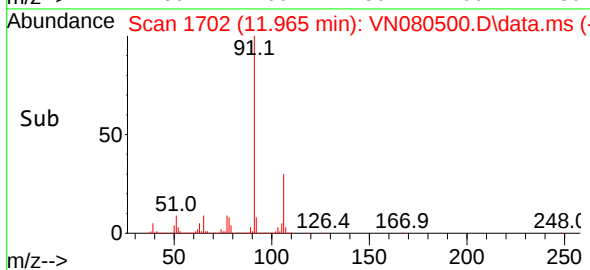
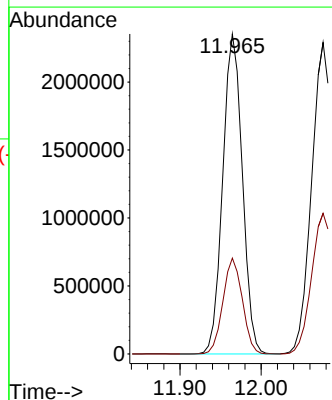
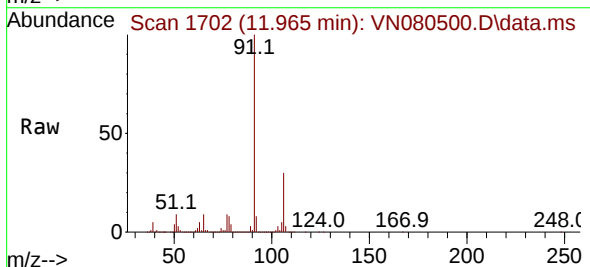
Manual Integrations
APPROVED

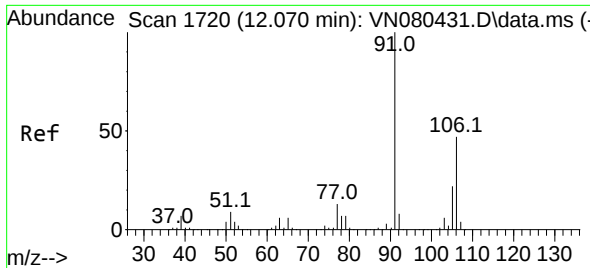
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#67
Ethyl Benzene
Concen: 244.997 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 91 Resp: 3952060
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4





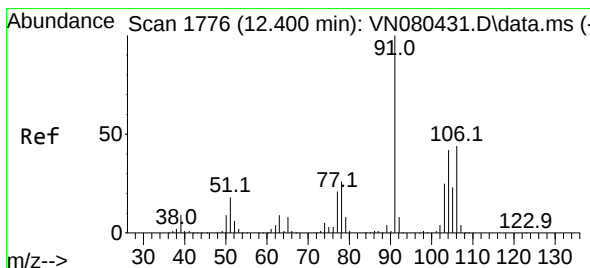
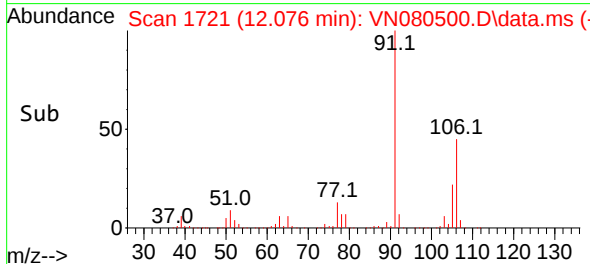
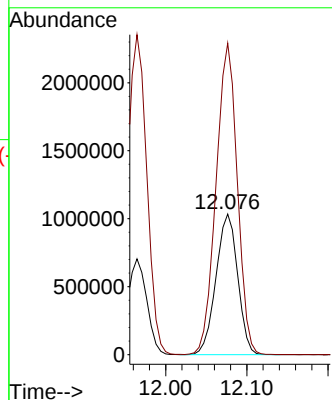
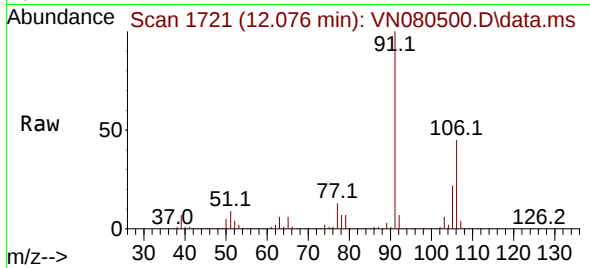
#68
m/p-Xylenes
Concen: 322.060 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:106 Resp: 1919730
Ion Ratio Lower Upper
106 100
91 217.3 159.6 239.4

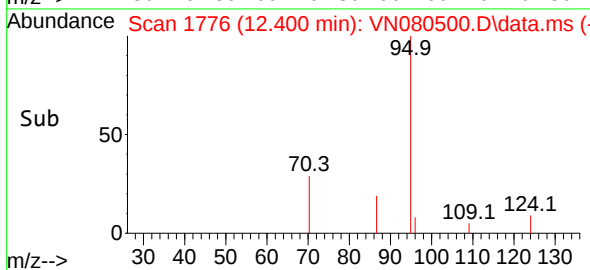
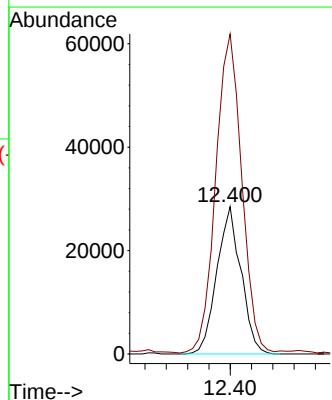
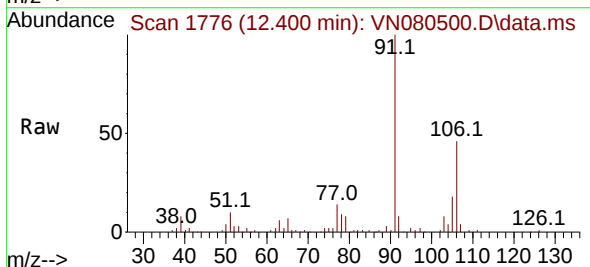
Manual Integrations
APPROVED

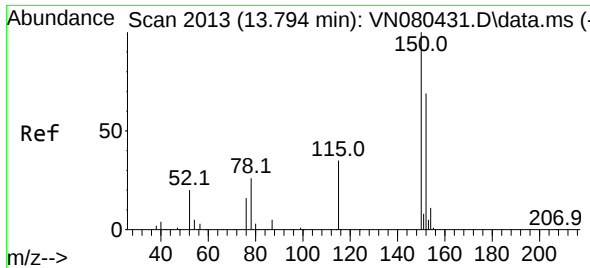
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#69
o-Xylene
Concen: 7.696 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

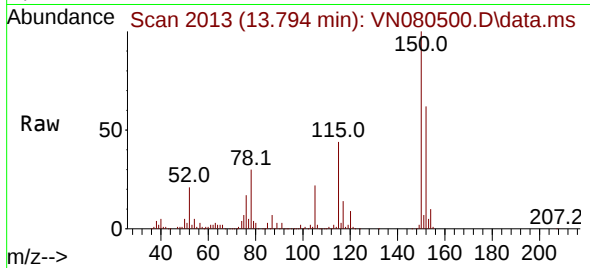
Tgt Ion:106 Resp: 44869
Ion Ratio Lower Upper
106 100
91 233.3 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

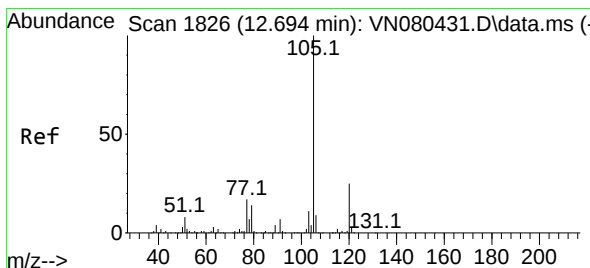
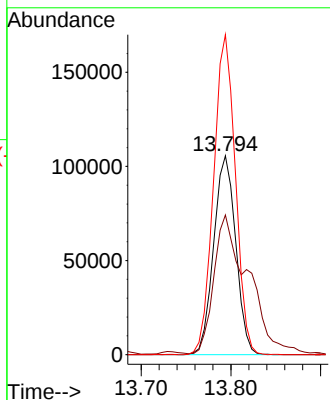
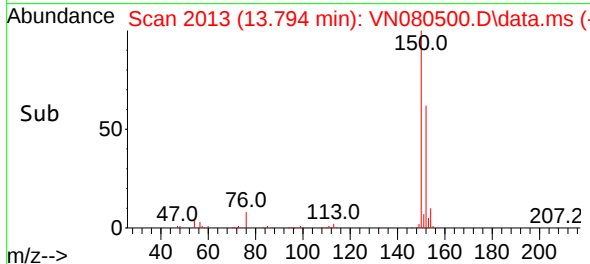
Instrument :
MSVOA_N
ClientSampleId :
MW-2



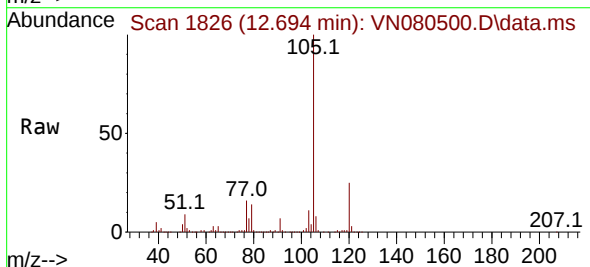
Tgt Ion:152 Resp: 17998
Ion Ratio Lower Upper
152 100
115 109.3 32.3 96.8
150 158.9 0.0 355.8

Manual Integrations
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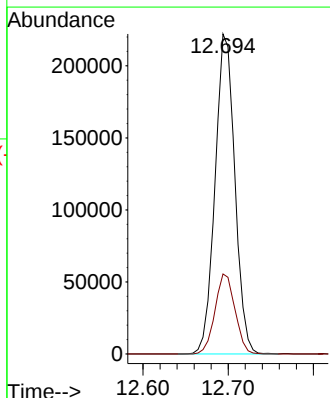
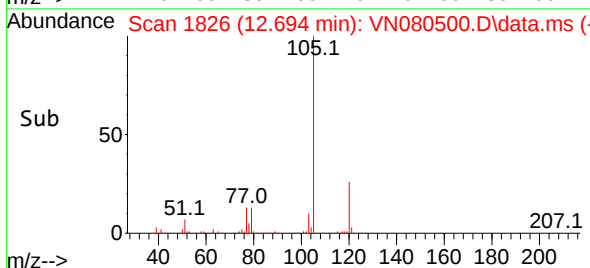
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

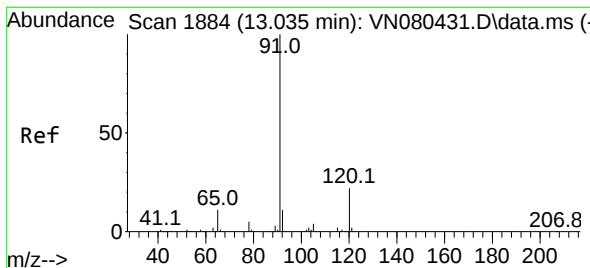


#73
Isopropylbenzene
Concen: 24.830 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00



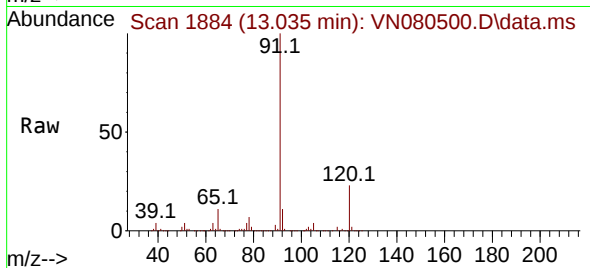
Tgt Ion:105 Resp: 359007
Ion Ratio Lower Upper
105 100
120 25.2 13.1 39.1





#78
n-propylbenzene
Concen: 47.124 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

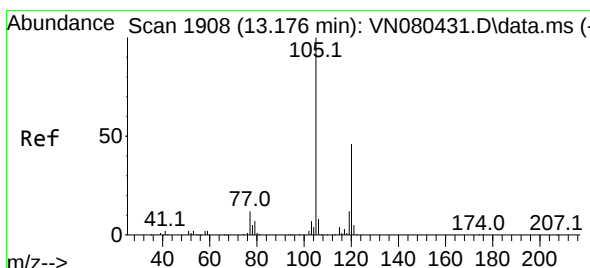
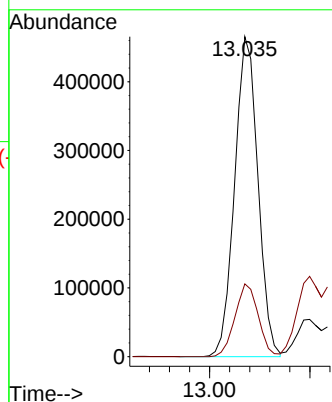
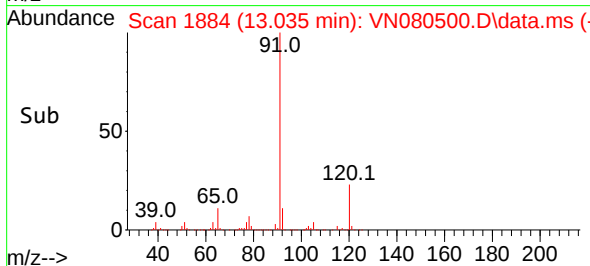
Instrument :
MSVOA_N
ClientSampleId :
MW-2



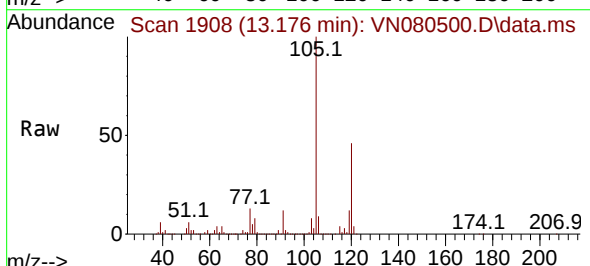
Tgt Ion: 91 Resp: 751227
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.4

Manual Integrations
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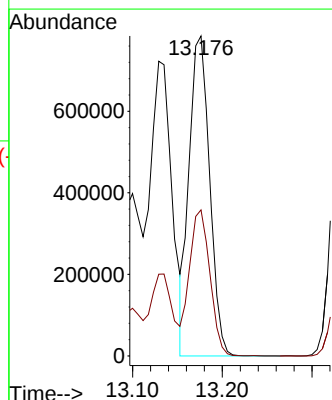
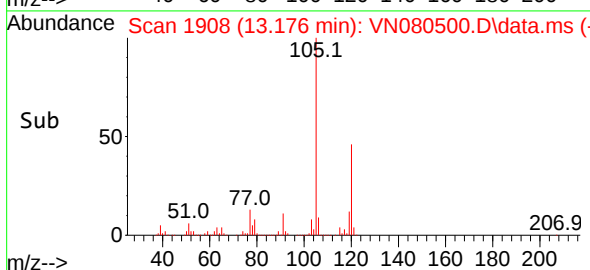
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

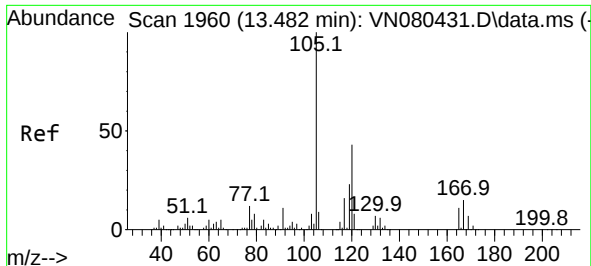


#80
1,3,5-Trimethylbenzene
Concen: 100.123 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00



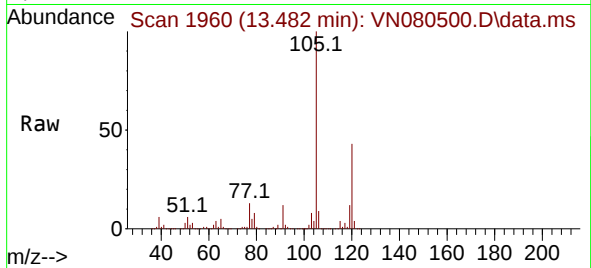
Tgt Ion:105 Resp: 1246771
Ion Ratio Lower Upper
105 100
120 45.5 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 394.297 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

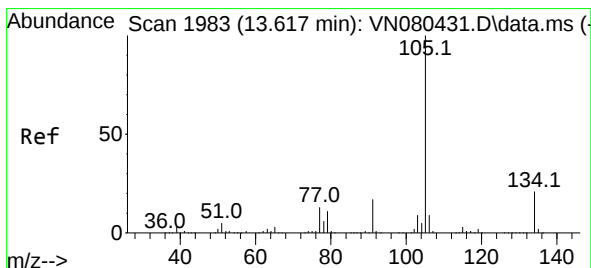
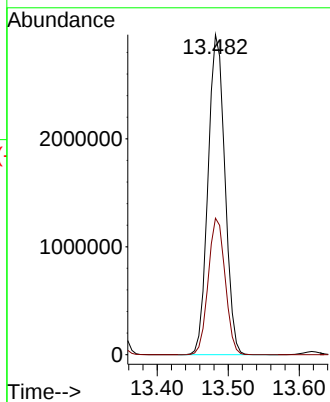
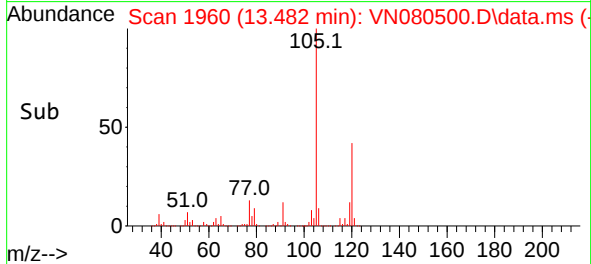
Instrument :
MSVOA_N
ClientSampleId :
MW-2



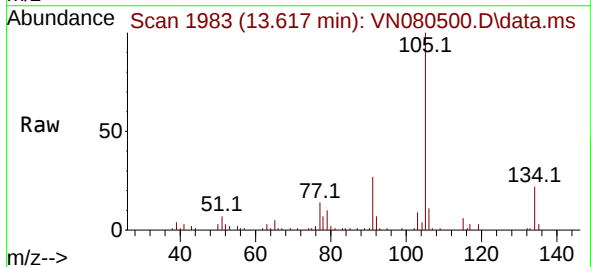
Tgt Ion:105 Resp: 4884539
Ion Ratio Lower Upper
105 100
120 42.8 22.0 66.0

Manual Integrations
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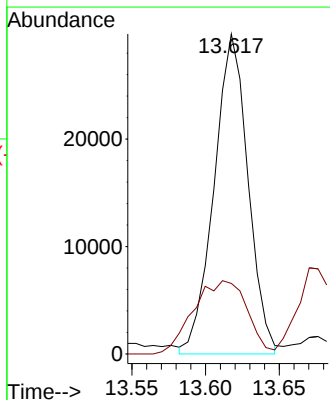
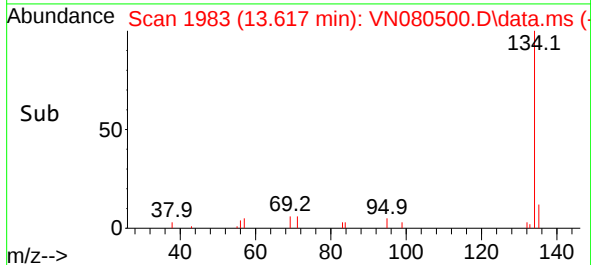
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

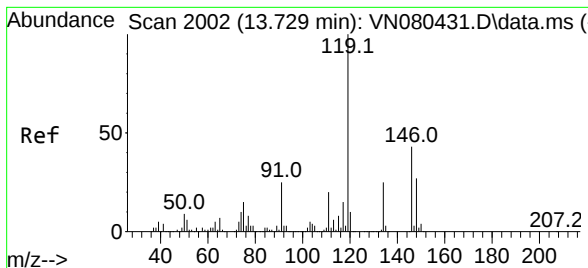


#85
sec-Butylbenzene
Concen: 3.652 ug/l m
RT: 13.617 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00



Tgt Ion:105 Resp: 47648
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





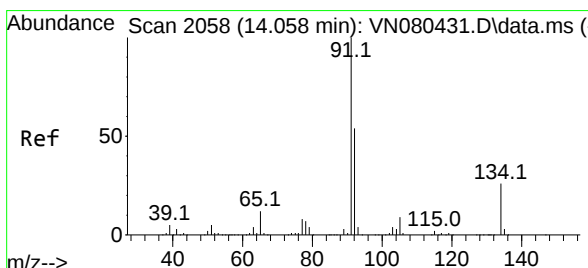
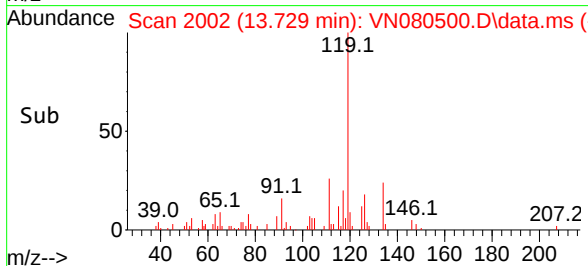
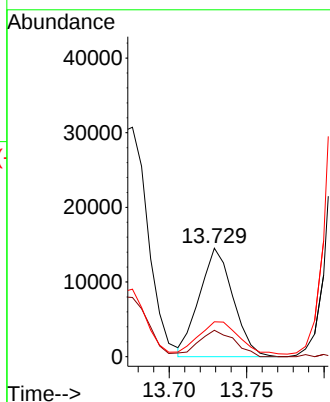
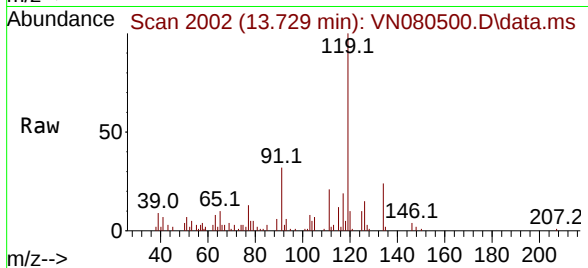
#86
p-Isopropyltoluene
Concen: 1.866 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 119 Resp: 21979
Ion Ratio Lower Upper
119 100
134 25.7 12.6 37.8
91 0.0 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#89
n-Butylbenzene
Concen: 5.809 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 91 Resp: 57139
Ion Ratio Lower Upper
91 100
92 3.6 26.4 79.0#
134 36.1 12.6 37.6

