

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
 Data File : VN080501.D
 Acq On : 15 Dec 2023 14:24
 Operator : JC\MD
 Sample : 05829-05DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 02:52:28 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	241057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	434658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	445449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159114	51.680	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.360%			
35) Dibromofluoromethane	8.165	113	132260	47.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.980%			
50) Toluene-d8	10.571	98	499452	48.594	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.180%			
62) 4-Bromofluorobenzene	12.847	95	208793	53.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.000%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	13747	25.182	ug/l #	88
31) Cyclohexane	8.259	56	23310	5.567	ug/l #	86
39) Methylcyclohexane	9.606	83	22899	4.892	ug/l	94
40) Benzene	8.612	78	96531	7.419	ug/l	92
52) Toluene	10.629	92	5043	0.613	ug/l	95
67) Ethyl Benzene	11.965	91	745415	40.911	ug/l	94
68) m/p-Xylenes	12.076	106	374196	55.578	ug/l	89
69) o-Xylene	12.400	106	9060	1.376	ug/l	97
73) Isopropylbenzene	12.694	105	63089	3.681	ug/l	98
78) n-propylbenzene	13.035	91	137010	7.250	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	242607	16.435	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	1000684	68.141	ug/l	97
85) sec-Butylbenzene	13.617	105	9716m	0.628	ug/l	
86) p-Isopropyltoluene	13.729	119	5339	0.382	ug/l #	72
89) n-Butylbenzene	14.059	91	9741m	0.835	ug/l	

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

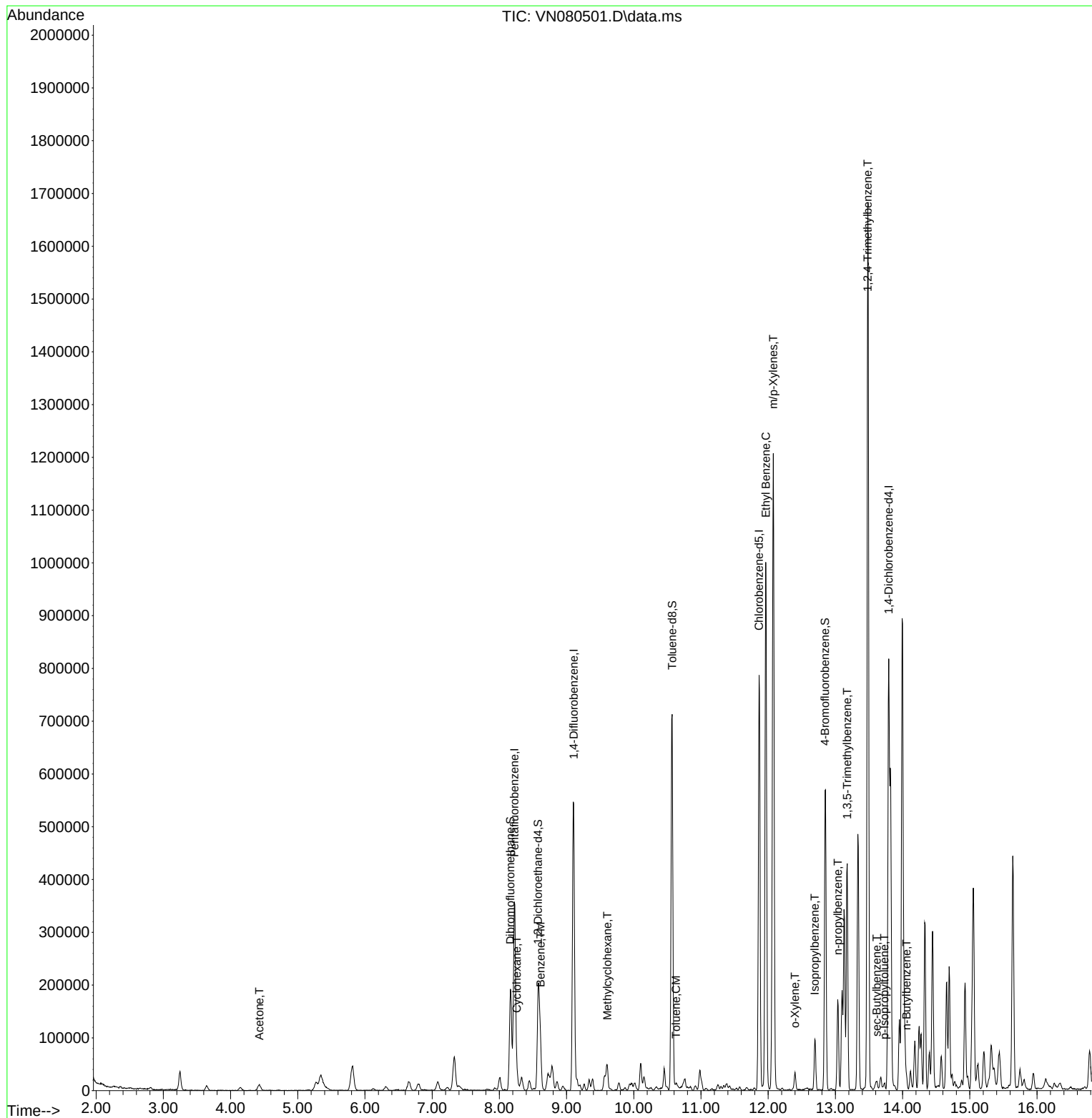
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
Data File : VN080501.D
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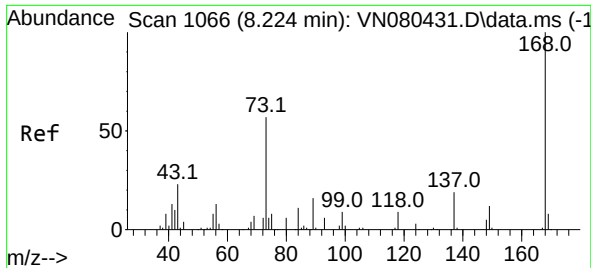
Instrument :
MSVOA_N
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MW-2DL

Quant Time: Dec 16 02:52:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
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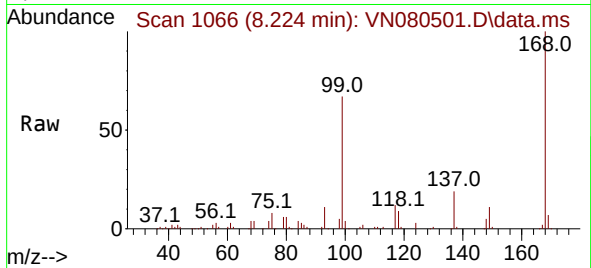
Reviewed By : Mahesh Dadoda 12/18/2023
Supervised By : Semsettin Yesilyurt 12/18/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

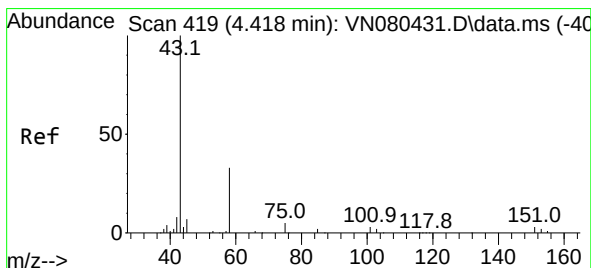
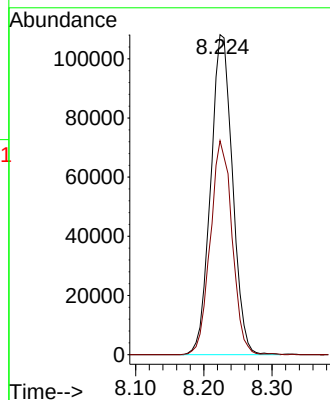
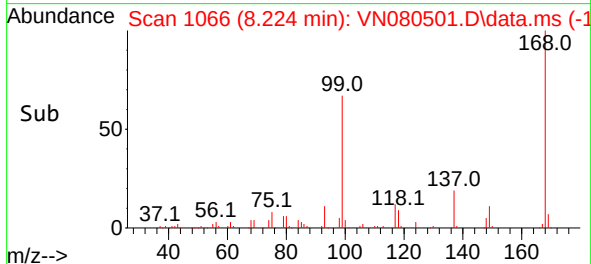
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



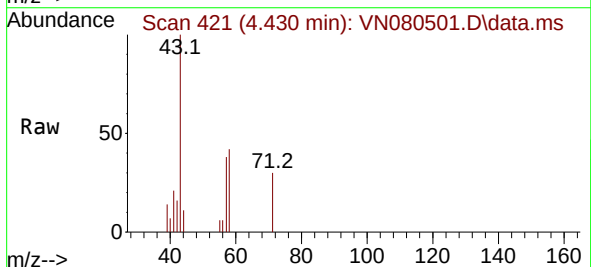
Tgt Ion:168 Resp: 24105
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6

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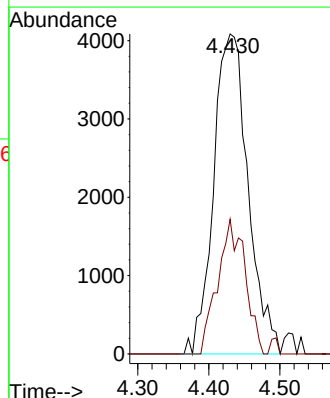
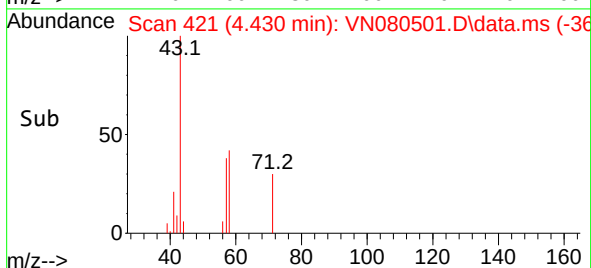
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

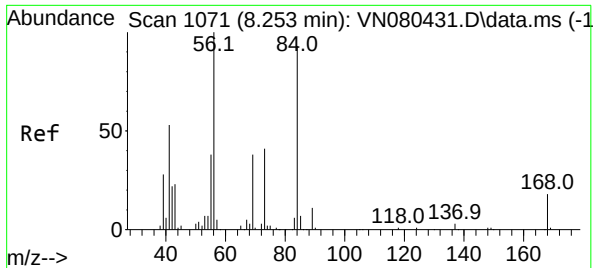


#16
Acetone
Concen: 25.182 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24



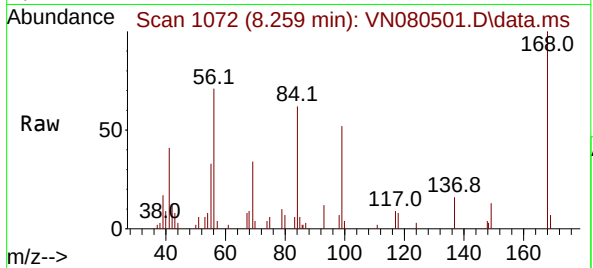
Tgt Ion: 43 Resp: 13747
Ion Ratio Lower Upper
43 100
58 42.1 28.0 42.0#





#31
Cyclohexane
Concen: 5.567 ug/l
RT: 8.259 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

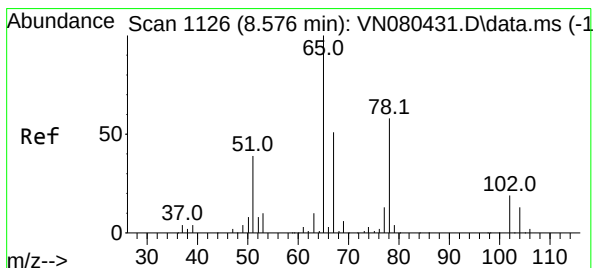
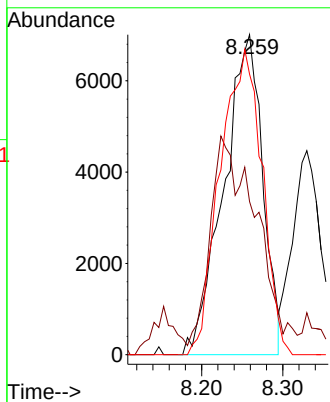
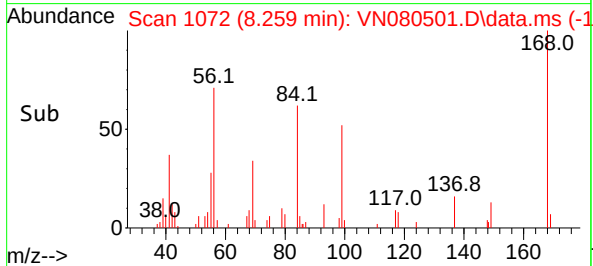
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



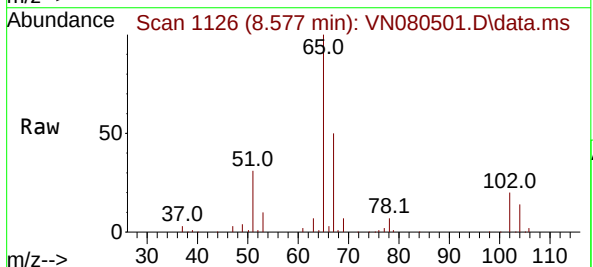
Tgt Ion: 56 Resp: 23310
Ion Ratio Lower Upper
56 100
69 41.6 26.8 40.2
84 87.6 81.8 122.6

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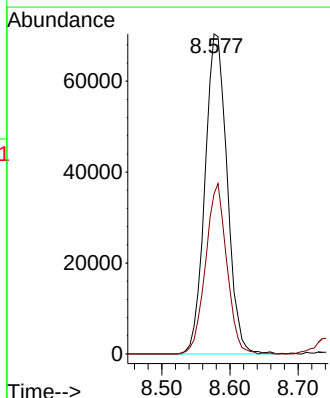
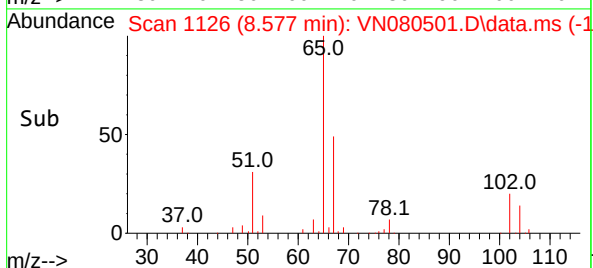
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

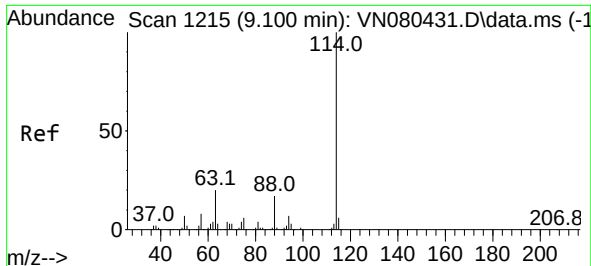


#33
1,2-Dichloroethane-d4
Concen: 51.680 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24



Tgt Ion: 65 Resp: 159114
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080501.D

Acq: 15 Dec 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

Tgt Ion:114 Resp: 434658

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

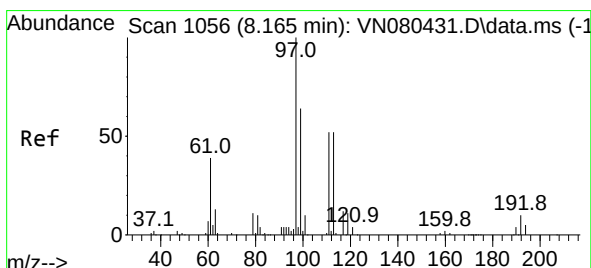
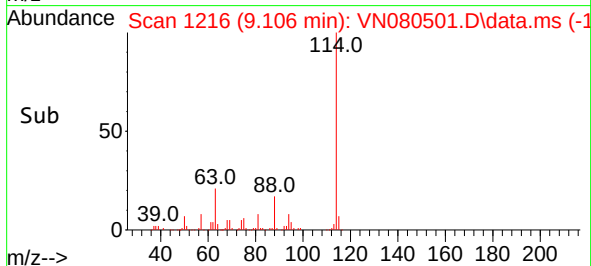
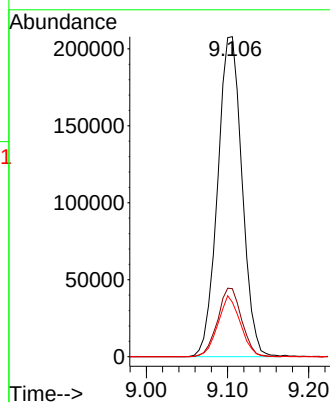
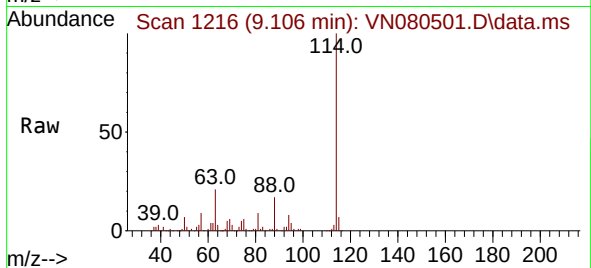
88 17.0 0.0 30.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 47.992 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080501.D

Acq: 15 Dec 2023 14:24

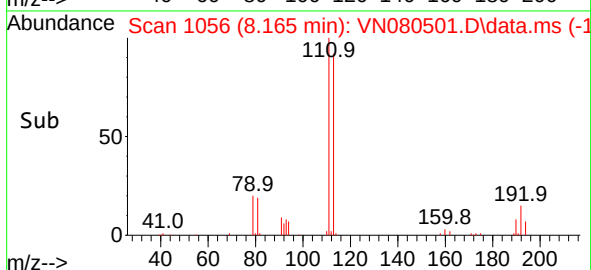
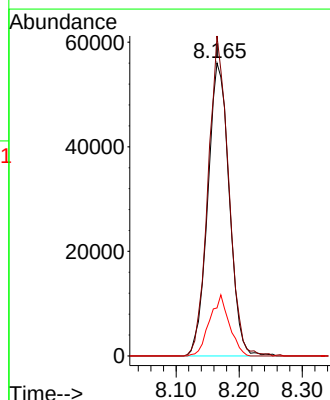
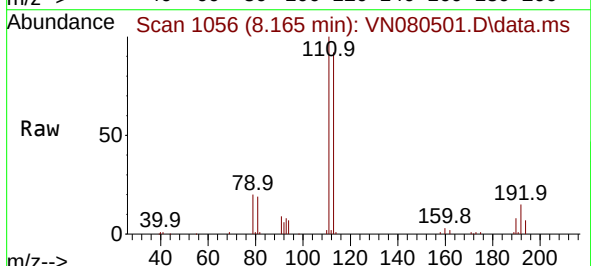
Tgt Ion:113 Resp: 132260

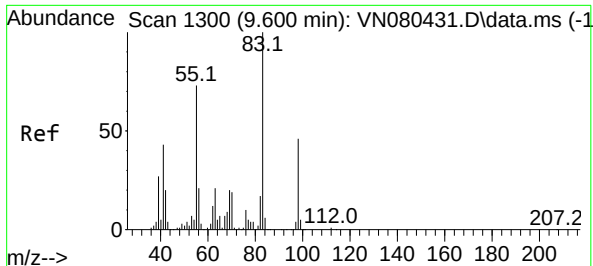
Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 19.1 12.7 19.1#





#39

Methylcyclohexane

Concen: 4.892 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN080501.D

Acq: 15 Dec 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

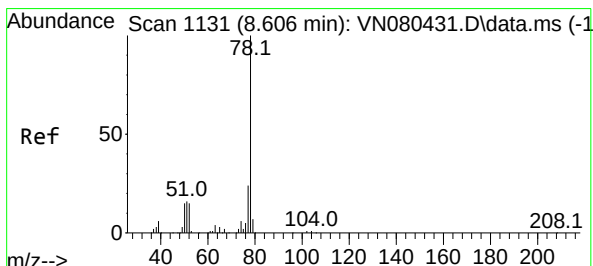
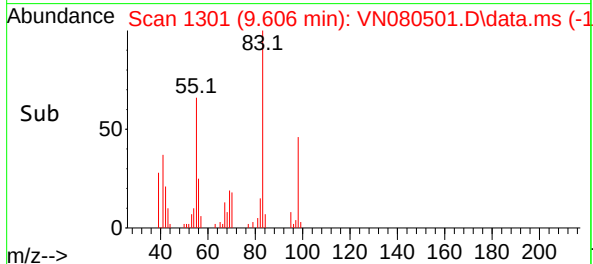
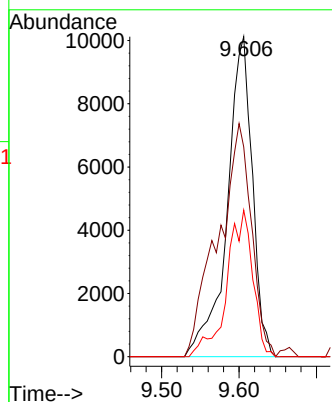
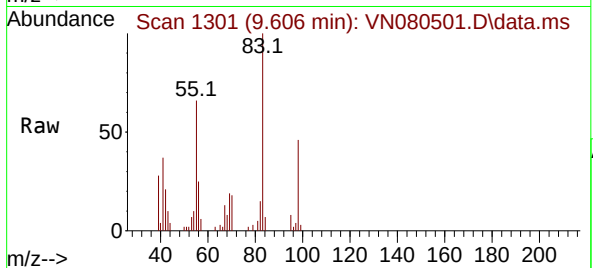
MW-2DL

Tgt Ion:	83	Resp:	2289
Ion Ratio	Lower	Upper	
83	100		
55	65.6	49.1	73.7
98	45.8	40.6	61.0

Manual Integrations

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



#40

Benzene

Concen: 7.419 ug/l

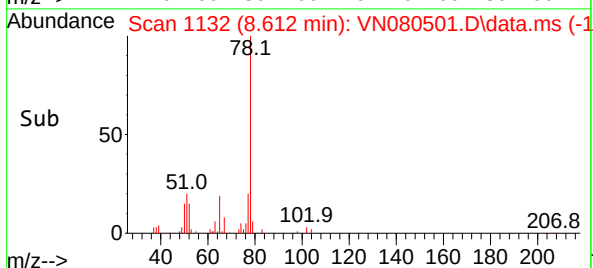
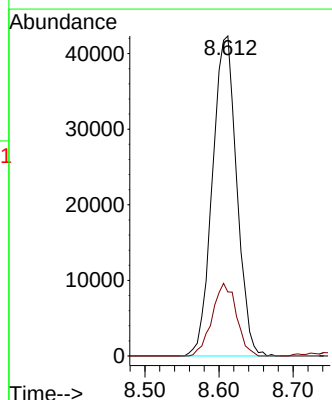
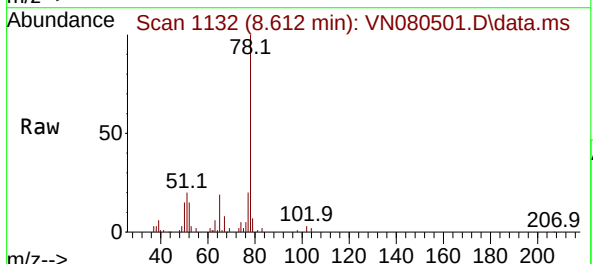
RT: 8.612 min Scan# 1132

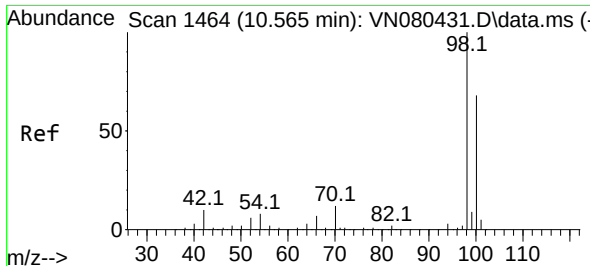
Delta R.T. 0.006 min

Lab File: VN080501.D

Acq: 15 Dec 2023 14:24

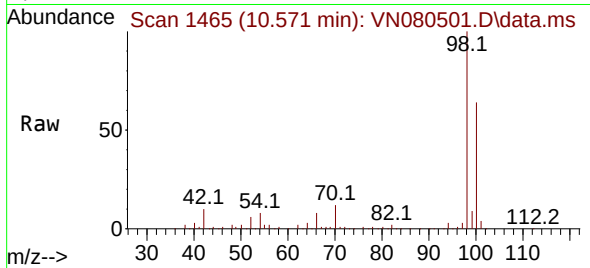
Tgt Ion:	78	Resp:	96531
Ion Ratio	Lower	Upper	
78	100		
77	20.0	19.0	28.6





#50
Toluene-d8
Concen: 48.594 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

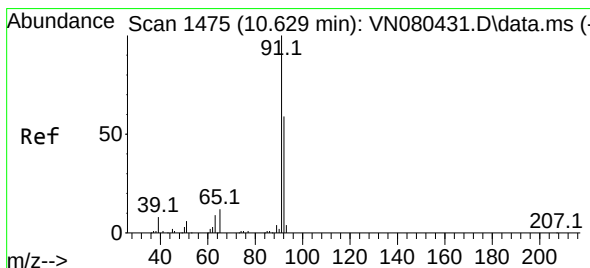
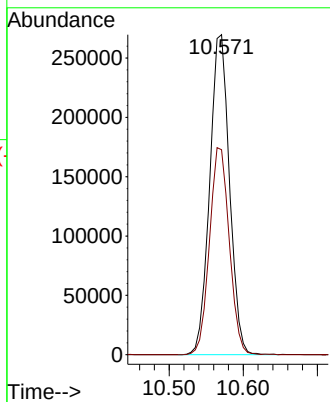
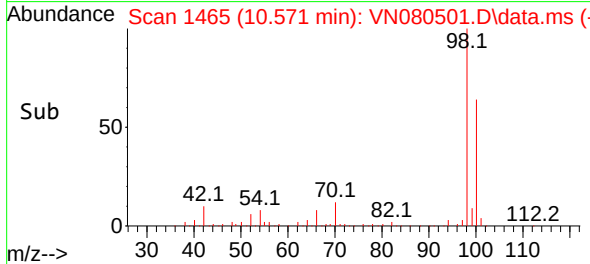
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



Tgt Ion: 98 Resp: 499452
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

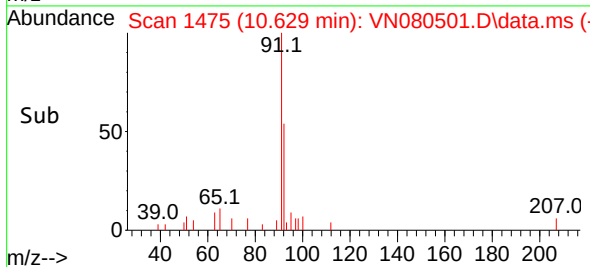
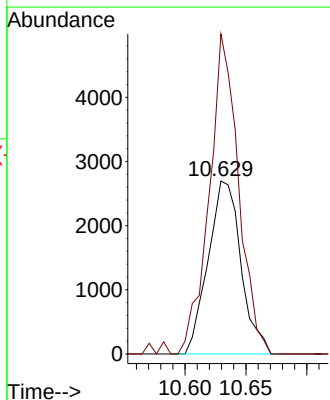
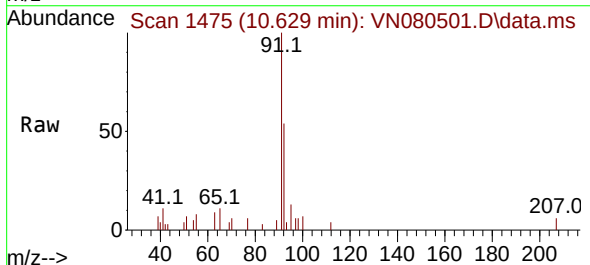
Manual Integrations
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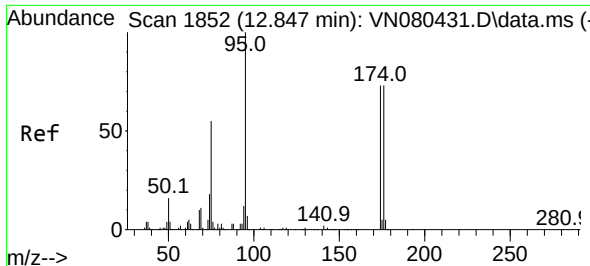
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#52
Toluene
Concen: 0.613 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

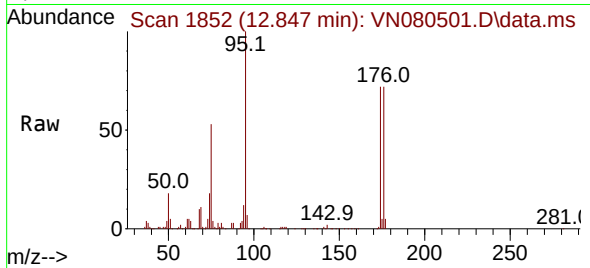
Tgt Ion: 92 Resp: 5043
Ion Ratio Lower Upper
92 100
91 165.5 137.4 206.0





#62
4-Bromofluorobenzene
Concen: 53.497 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

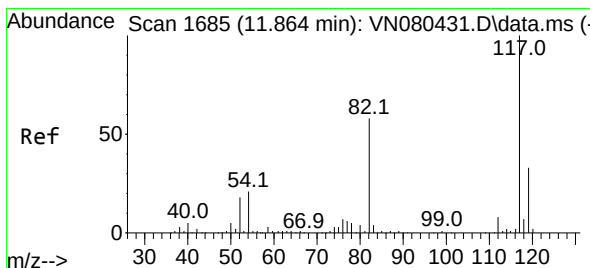
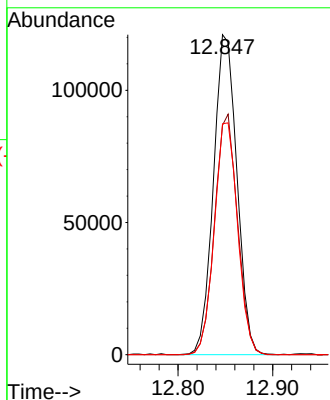
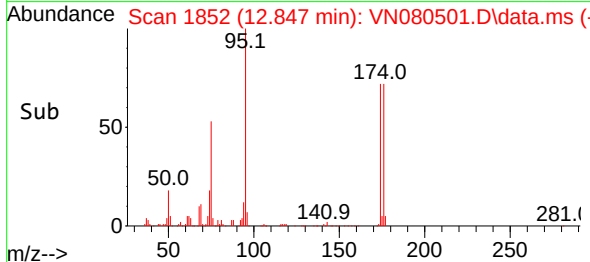
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



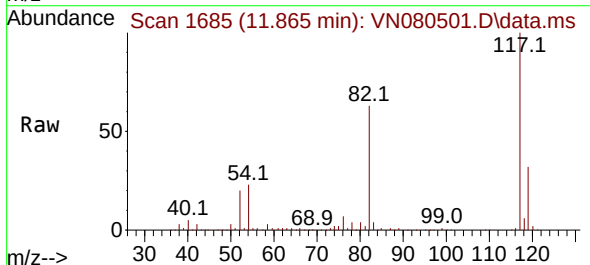
Tgt Ion: 95 Resp: 208793
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 72.0 0.0 135.8

Manual Integrations
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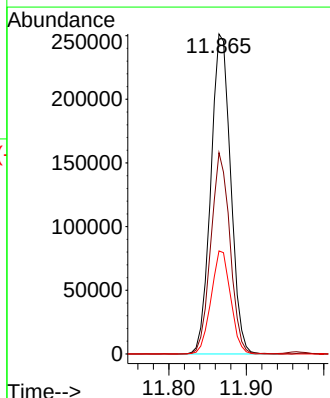
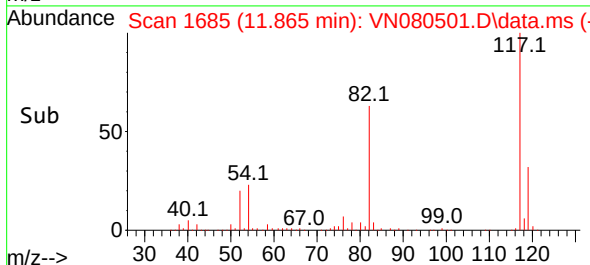
Reviewed By :Mahesh Dadoda 12/18/2023
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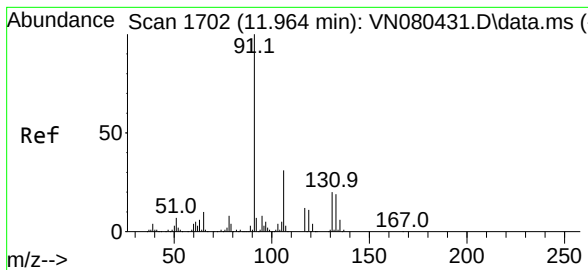


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24



Tgt Ion:117 Resp: 445449
Ion Ratio Lower Upper
117 100
82 62.9 44.0 66.0
119 32.2 25.6 38.4





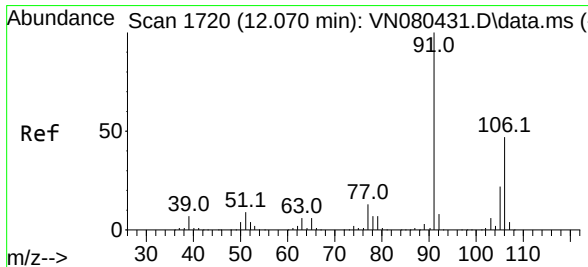
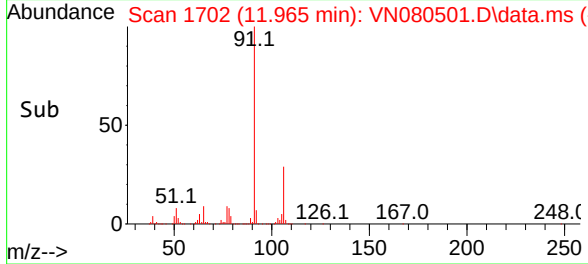
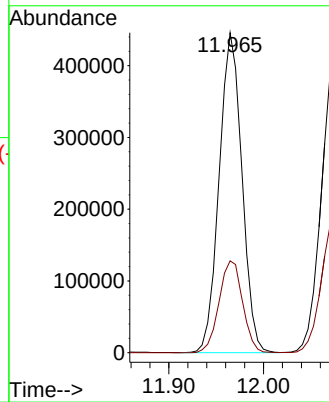
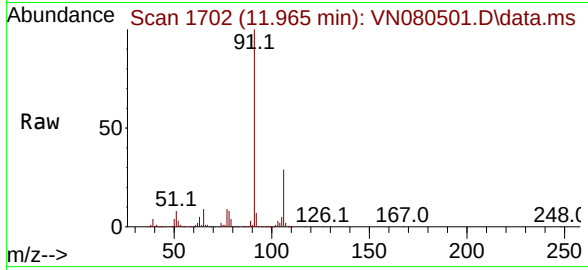
#67
Ethyl Benzene
Concen: 40.911 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 91 Resp: 745415
Ion Ratio Lower Upper
91 100
106 28.7 25.6 38.4

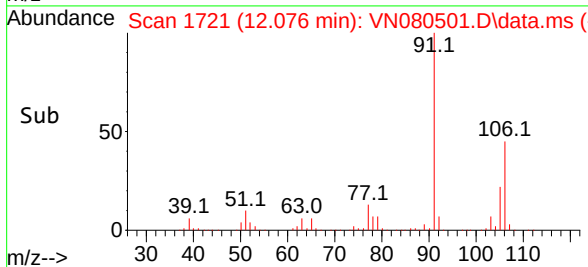
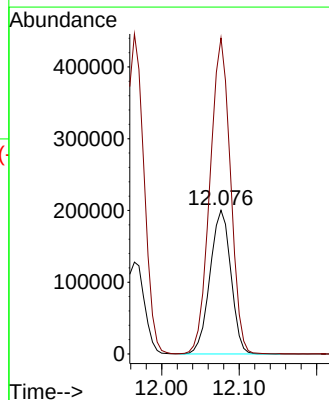
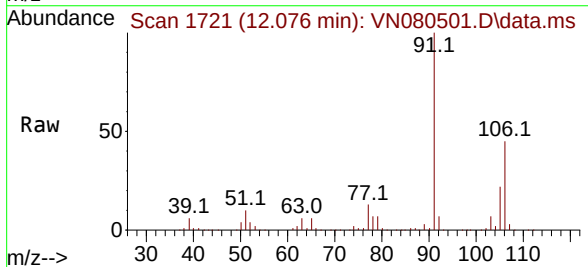
Manual Integrations
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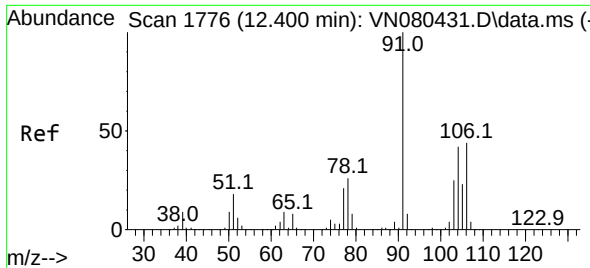
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#68
m/p-Xylenes
Concen: 55.578 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Tgt Ion:106 Resp: 374196
Ion Ratio Lower Upper
106 100
91 216.3 159.6 239.4





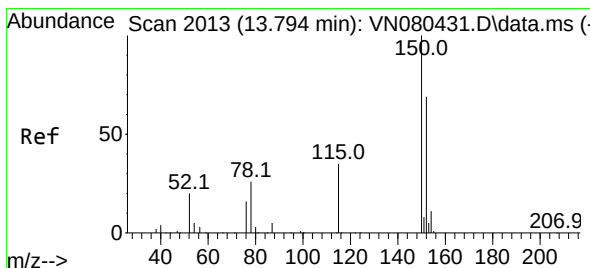
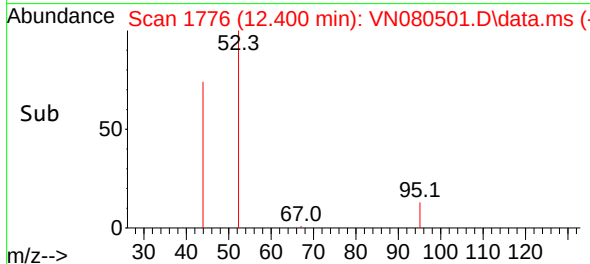
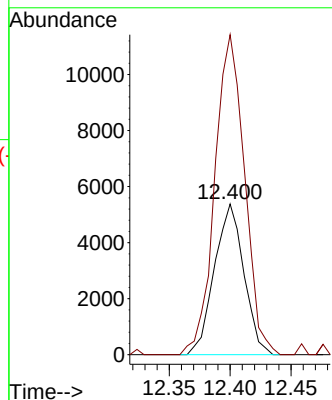
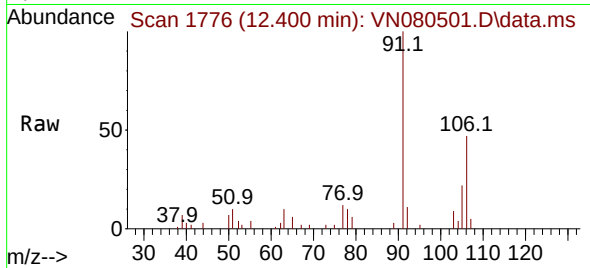
#69
o-Xylene
Concen: 1.376 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:106 Resp: 9060
Ion Ratio Lower Upper
106 100
91 214.5 105.2 315.5

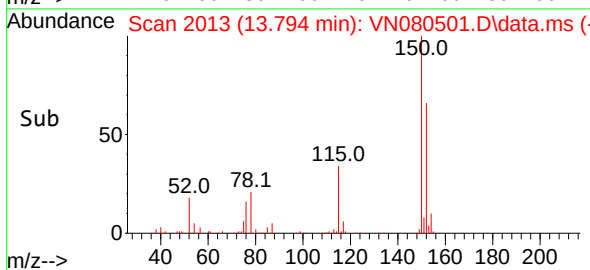
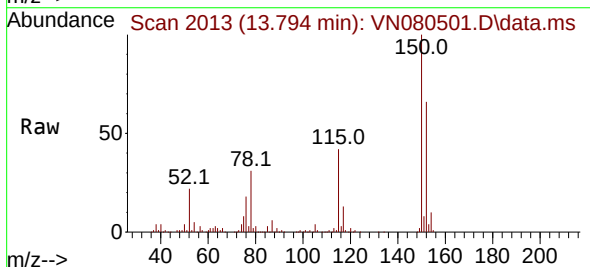
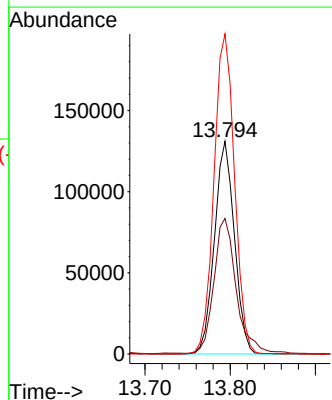
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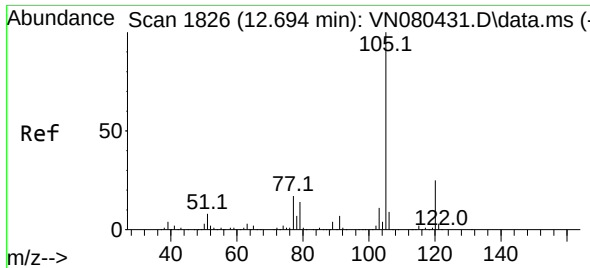
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Tgt Ion:152 Resp: 213363
Ion Ratio Lower Upper
152 100
115 72.1 32.3 96.8
150 154.8 0.0 355.8





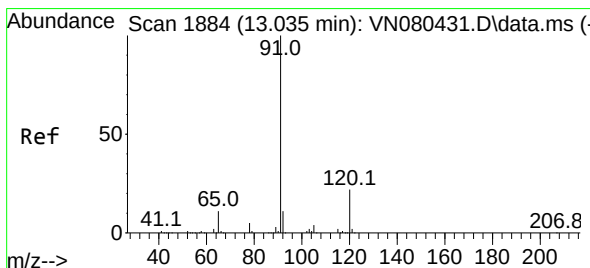
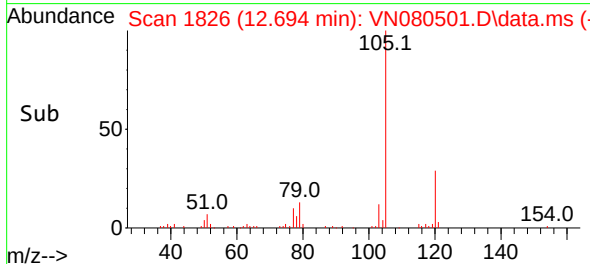
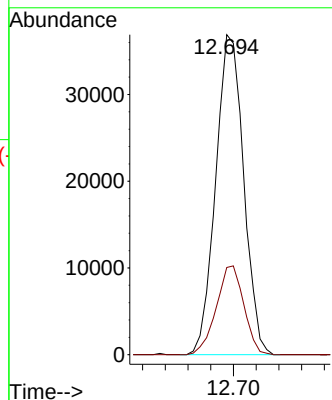
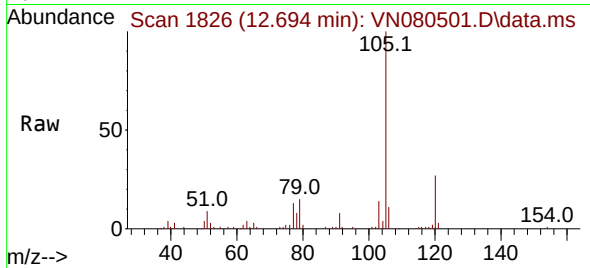
#73
Isopropylbenzene
Concen: 3.681 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:105 Resp: 63089
Ion Ratio Lower Upper
105 100
120 27.3 13.1 39.1

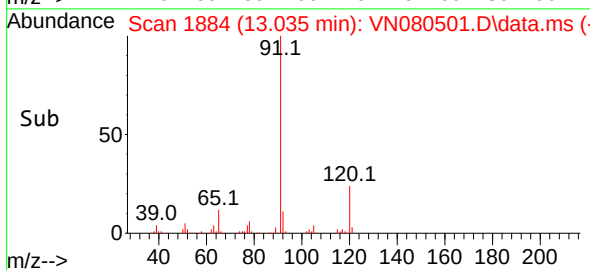
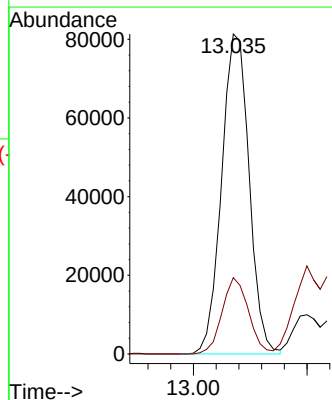
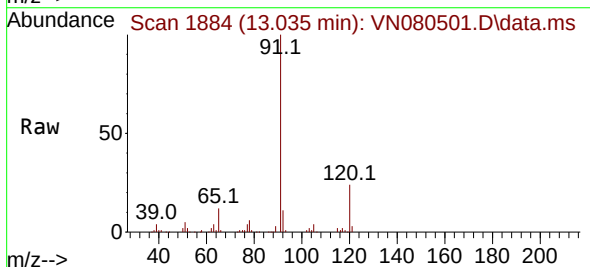
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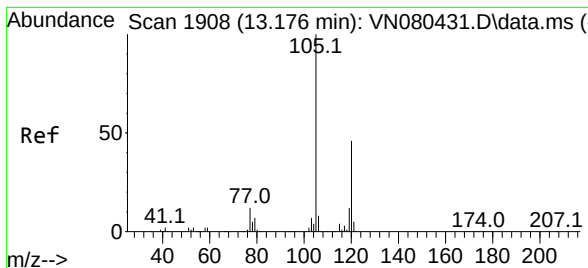
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#78
n-propylbenzene
Concen: 7.250 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Tgt Ion: 91 Resp: 137010
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4





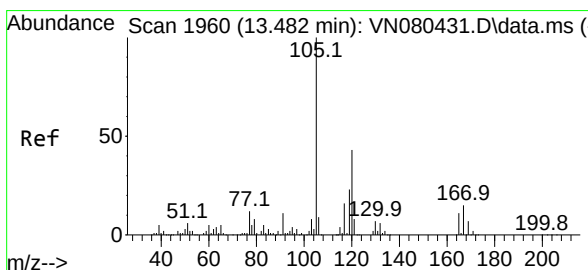
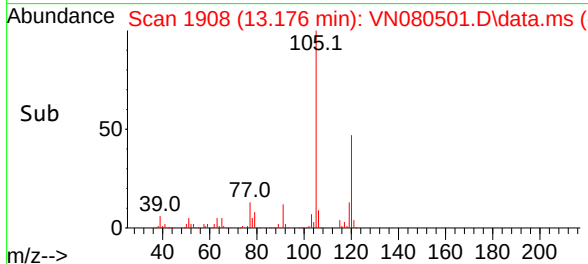
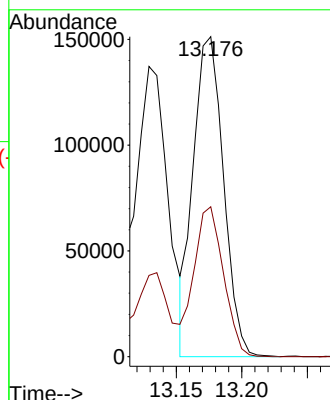
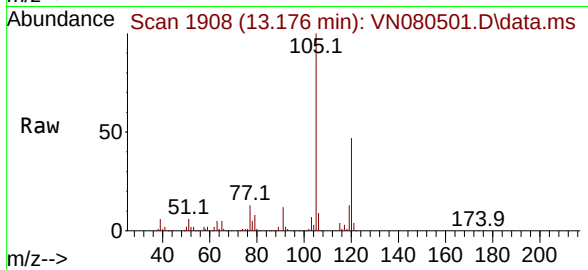
#80
1,3,5-Trimethylbenzene
Concen: 16.435 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:105 Resp: 24260
Ion Ratio Lower Upper
105 100
120 45.6 24.1 72.3

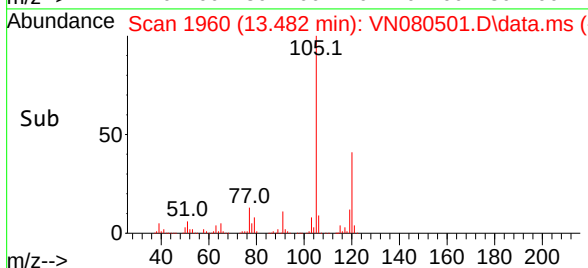
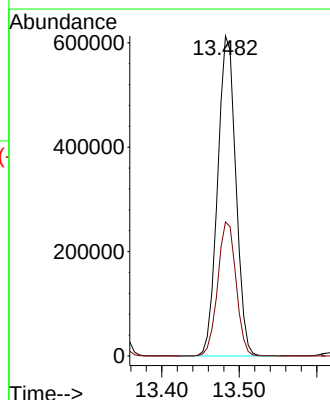
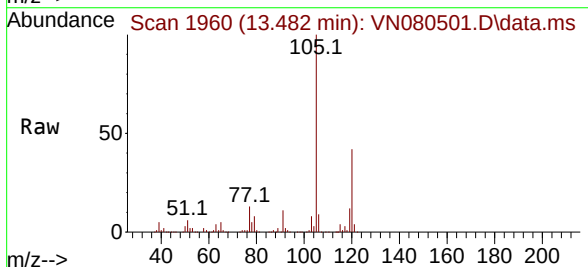
Manual Integrations
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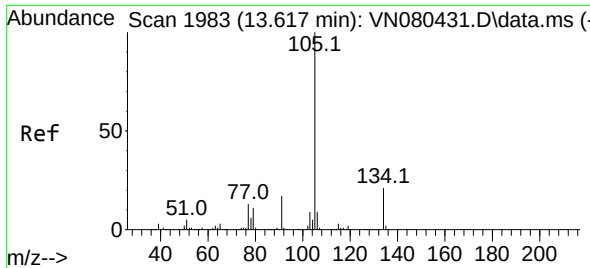
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#84
1,2,4-Trimethylbenzene
Concen: 68.141 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080501.D
Acq: 15 Dec 2023 14:24

Tgt Ion:105 Resp: 1000684
Ion Ratio Lower Upper
105 100
120 42.1 22.0 66.0





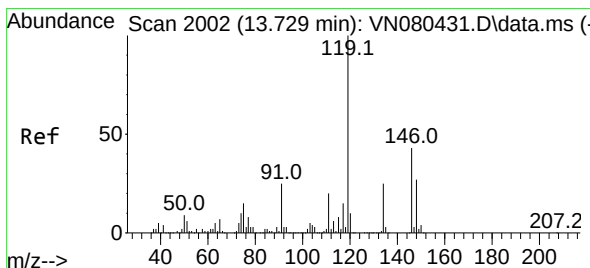
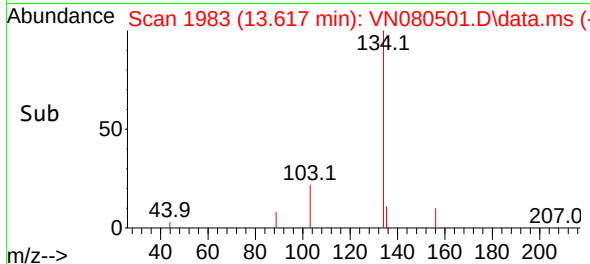
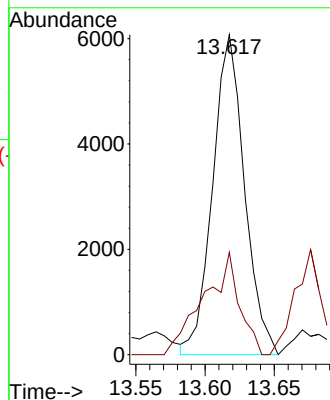
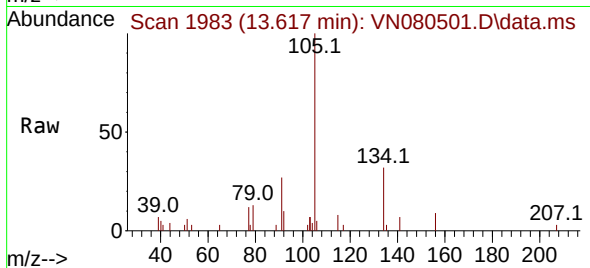
#85
 sec-Butylbenzene
 Concen: 0.628 ug/l m
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080501.D
 Acq: 15 Dec 2023 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Tgt Ion:105 Resp: 9710
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3

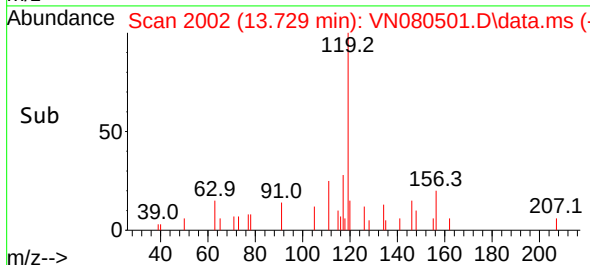
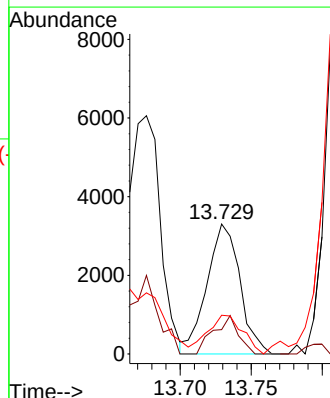
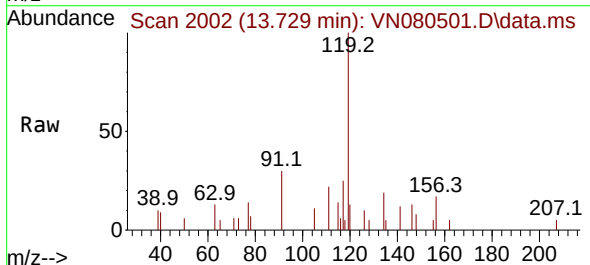
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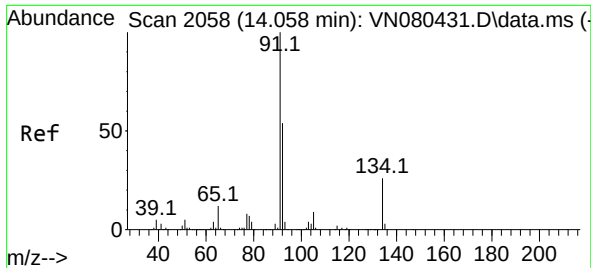
Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023



#86
 p-Isopropyltoluene
 Concen: 0.382 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080501.D
 Acq: 15 Dec 2023 14:24

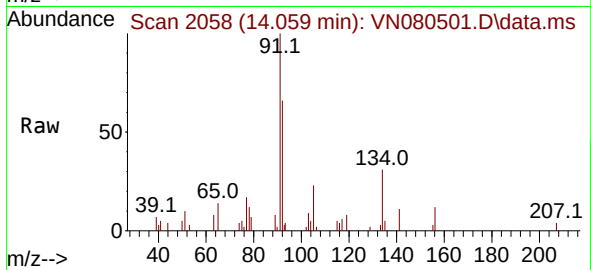
Tgt Ion:119 Resp: 5339
 Ion Ratio Lower Upper
 119 100
 134 22.0 12.6 37.8
 91 0.0 12.4 37.2





#89
 n-Butylbenzene
 Concen: 0.835 ug/l m
 RT: 14.059 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: VN080501.D
 Acq: 15 Dec 2023 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL



Tgt Ion:	91	Resp:	974
Ion Ratio	Lower	Upper	
91	100		
92	0.0	26.4	79.0
134	43.1	12.6	37.6

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

