

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076008.D
 Acq On : 28 Dec 2022 18:32
 Operator : JC\MD
 Sample : N6232-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/29/2022
 Supervised By : Mahesh Dadoda 12/31/2022

Quant Time: Dec 29 04:55:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	402610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	619695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	555390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	268552	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	195381	44.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.220%		
35) Dibromofluoromethane	8.171	113	182255	47.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.980%		
50) Toluene-d8	10.571	98	719809	50.166	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.340%		
62) 4-Bromofluorobenzene	12.853	95	245075	51.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.140%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	80834	130.426	ug/l #	87
16) Acetone	4.442	43	679445	450.000	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	498674	42.438	ug/l #	85
25) 2-Butanone	7.494	43	101649	48.081	ug/l	93
31) Cyclohexane	8.265	56	141372	22.537	ug/l	92
39) Methylcyclohexane	9.606	83	124589	20.257	ug/l	96
40) Benzene	8.612	78	78417	4.985	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	42188	10.327	ug/l	94
52) Toluene	10.635	92	143861	14.044	ug/l	99
59) 2-Hexanone	11.188	43	10837m	3.638	ug/l	
67) Ethyl Benzene	11.970	91	8351988	434.116	ug/l	98
68) m/p-Xylenes	12.082	106	3925110	515.458	ug/l	99
69) o-Xylene	12.400	106	714161	94.771	ug/l	99
73) Isopropylbenzene	12.700	105	486779	25.083	ug/l	100
78) n-propylbenzene	13.041	91	1150332	53.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	10565565	655.711	ug/l	100
85) sec-Butylbenzene	13.617	105	77419m	3.917	ug/l	
86) p-Isopropyltoluene	13.735	119	59680	3.629	ug/l #	78
89) n-Butylbenzene	14.059	91	67330m	5.053	ug/l	
95) Naphthalene	15.647	128	1844916	122.910	ug/l	100

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

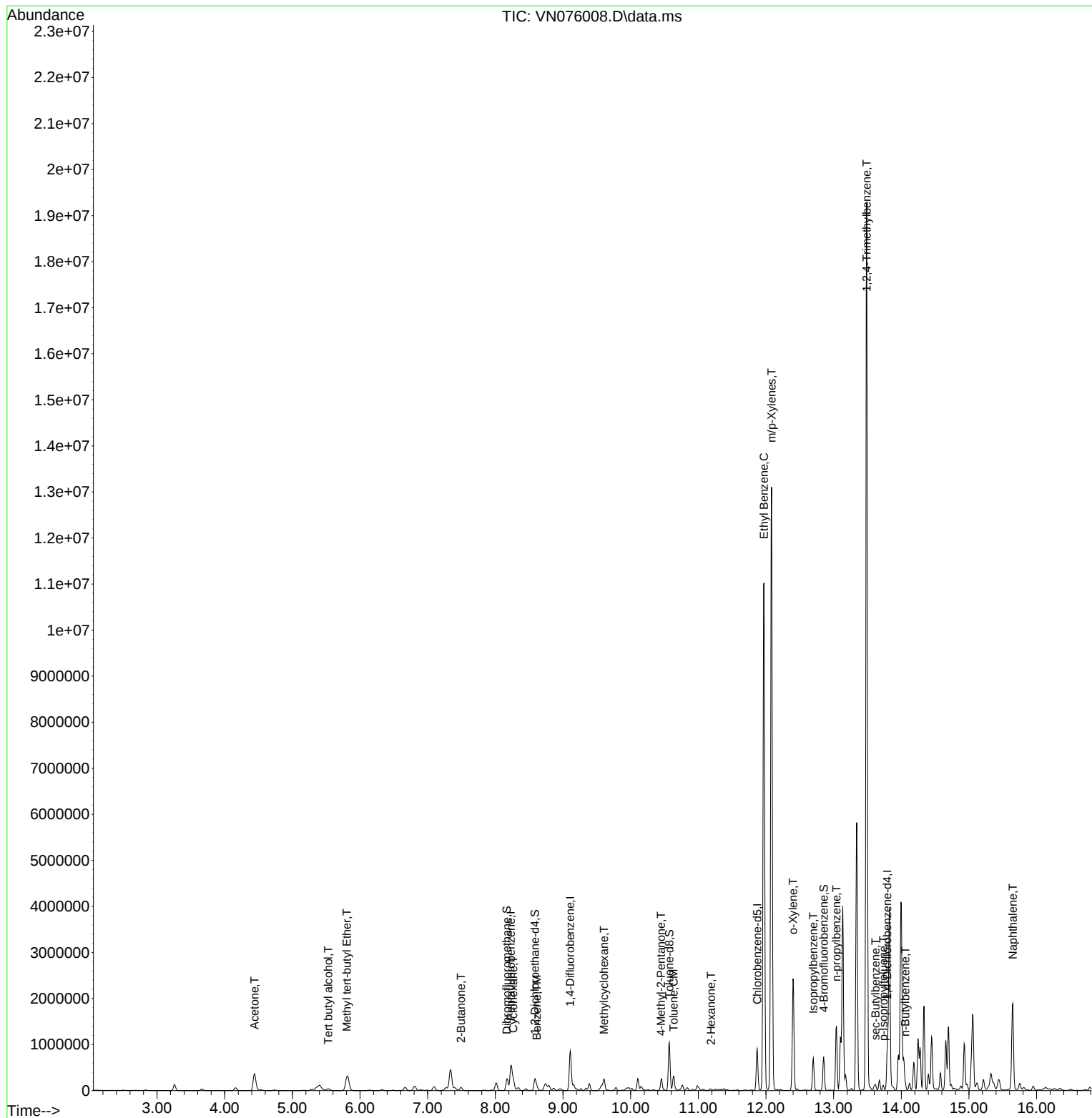
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN076008.D
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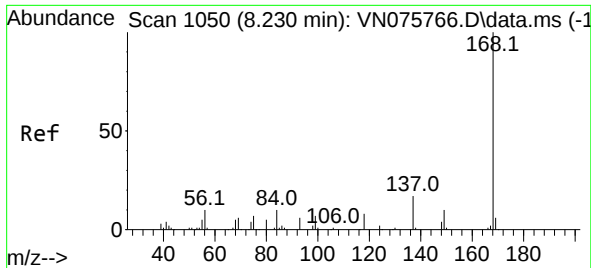
Instrument :
MSVOA_N
ClientSampleId :
MW-10

Quant Time: Dec 29 04:55:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
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QLast Update : Wed Dec 14 13:03:41 2022
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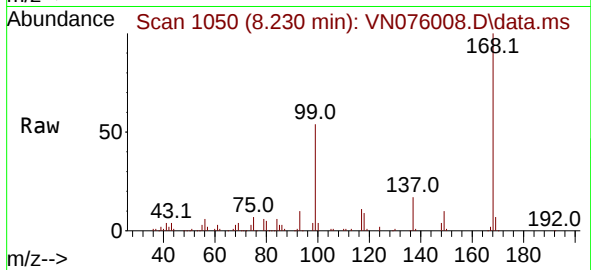
Reviewed By : Semsettin Yesilyurt 12/29/2022
Supervised By : Mahesh Dadoda 12/31/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

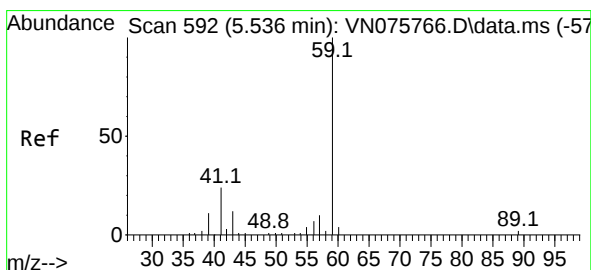
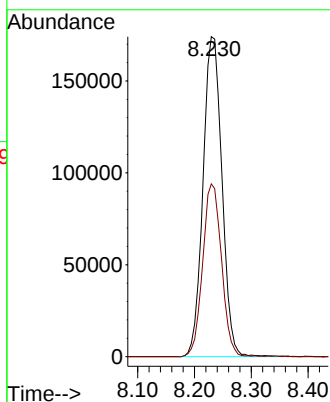
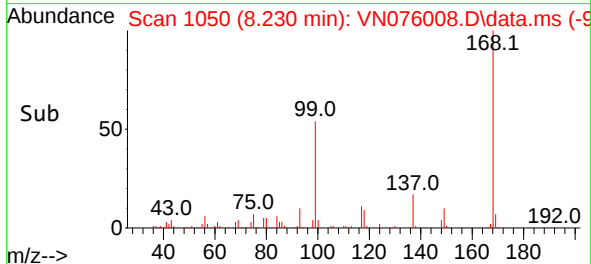
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion:168 Resp: 402610
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4

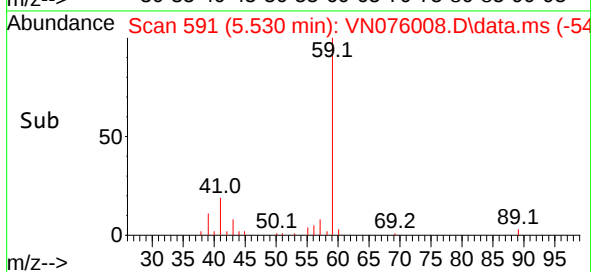
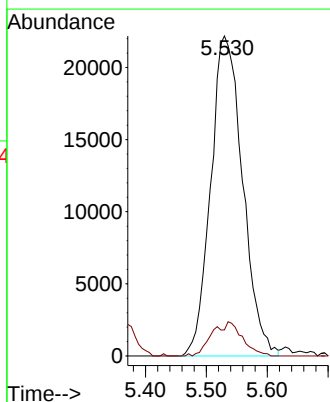
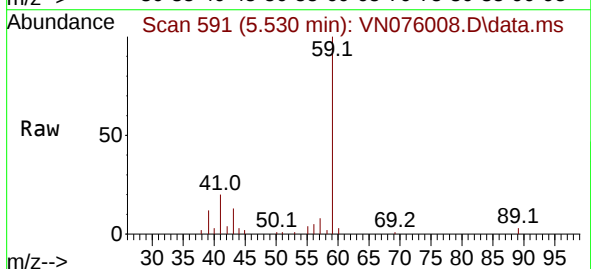
Manual Integrations
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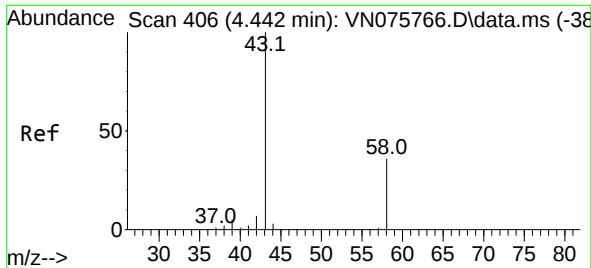
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#11
Tert butyl alcohol
Concen: 130.426 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

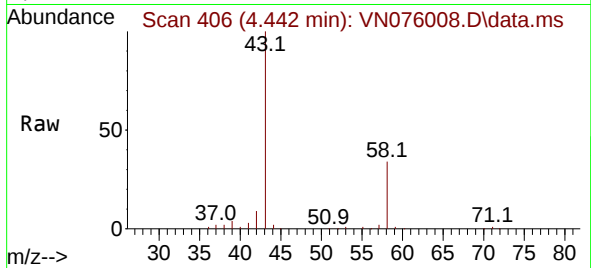
Tgt Ion: 59 Resp: 80834
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.4#





#16
Acetone
Concen: 450.000 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

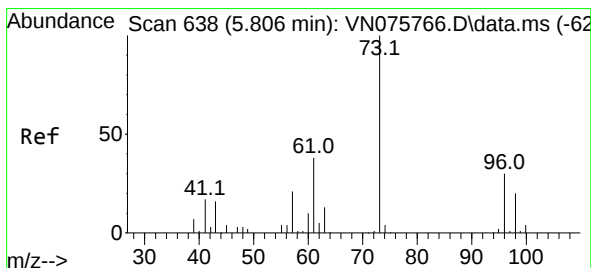
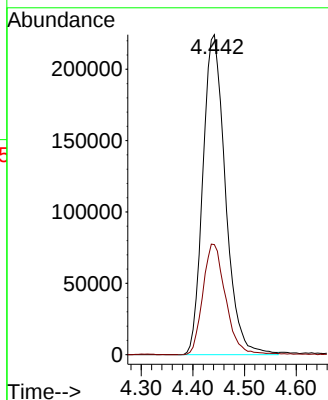
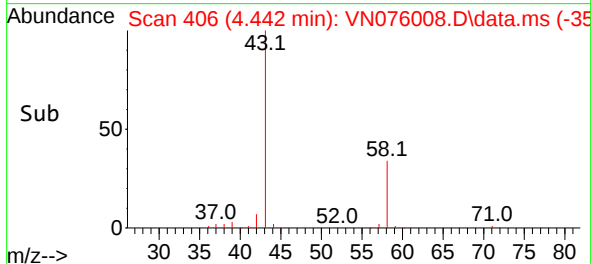
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 43 Resp: 67944
Ion Ratio Lower Upper
43 100
58 34.4 28.6 43.0

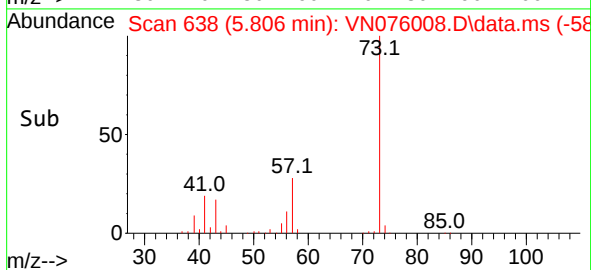
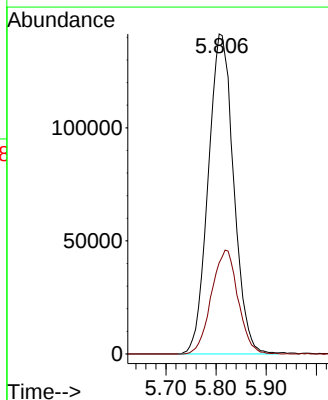
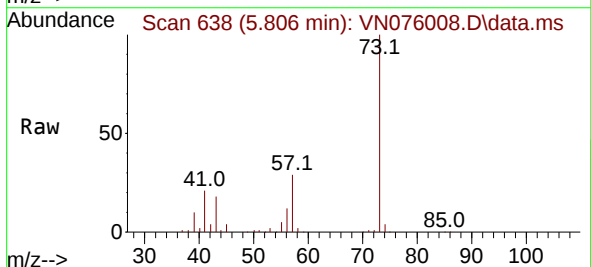
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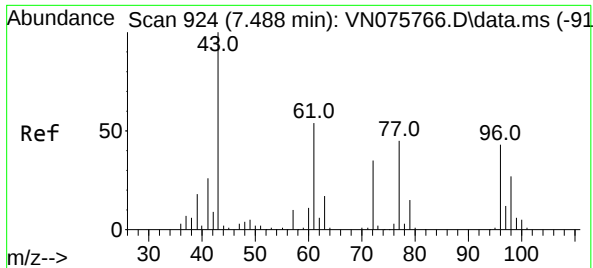
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#19
Methyl tert-butyl Ether
Concen: 42.438 ug/l
RT: 5.806 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

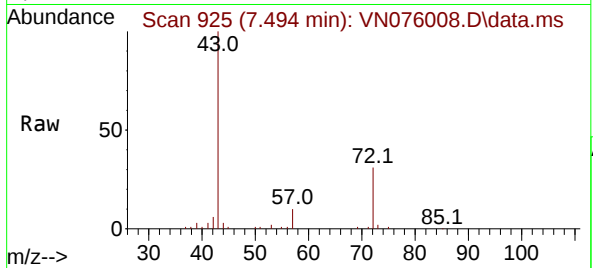
Tgt Ion: 73 Resp: 498674
Ion Ratio Lower Upper
73 100
57 28.5 17.1 25.7#





#25
2-Butanone
Concen: 48.081 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

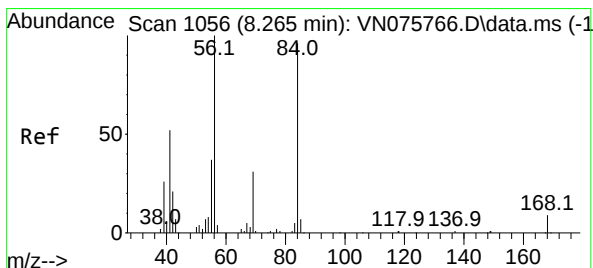
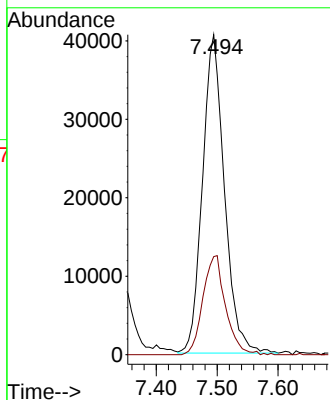
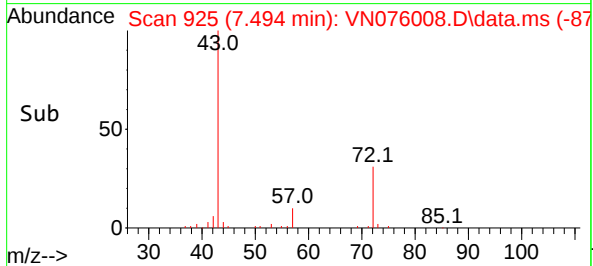
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 43 Resp: 101649
Ion Ratio Lower Upper
43 100
72 30.8 28.0 42.0

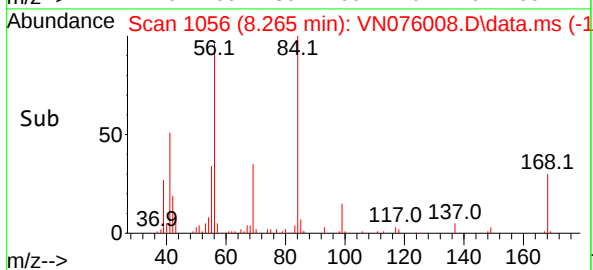
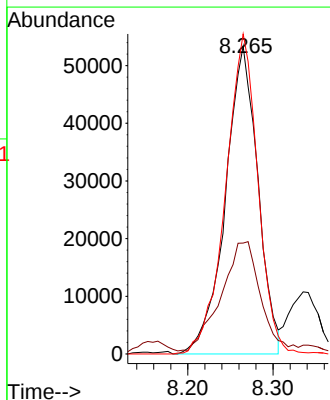
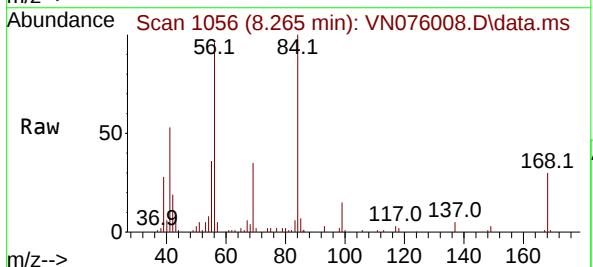
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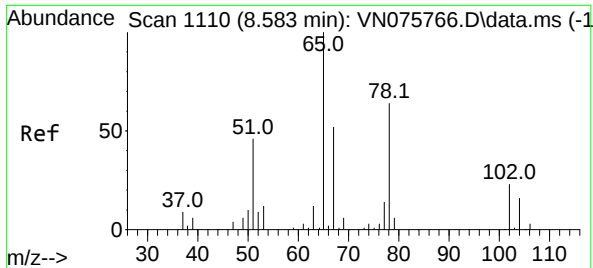
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#31
Cyclohexane
Concen: 22.537 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Tgt Ion: 56 Resp: 141372
Ion Ratio Lower Upper
56 100
69 35.1 24.7 37.1
84 103.7 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 44.607 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076008.D

Acq: 28 Dec 2022 18:32

Instrument :

MSVOA_N

ClientSampleId :

MW-10

Tgt Ion: 65 Resp: 19538

Ion Ratio Lower Upper

65 100

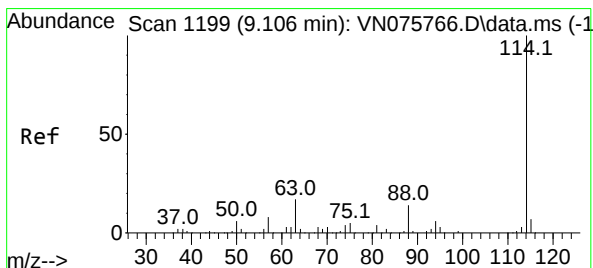
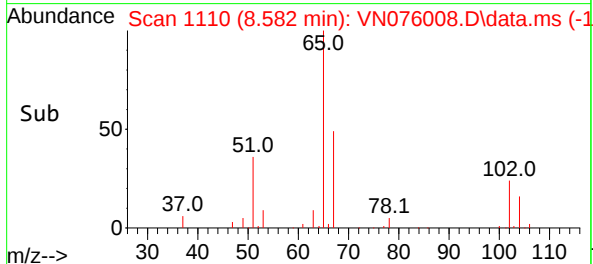
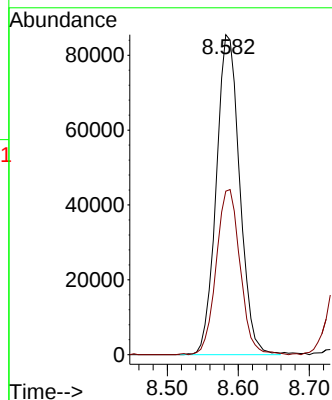
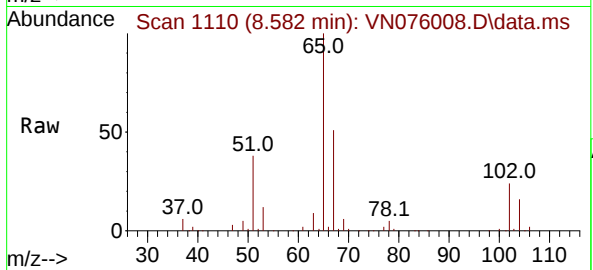
67 52.7 0.0 103.4

Manual Integrations

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Supervised By :Mahesh Dadoda 12/31/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076008.D

Acq: 28 Dec 2022 18:32

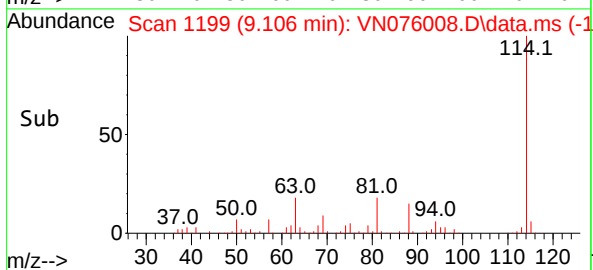
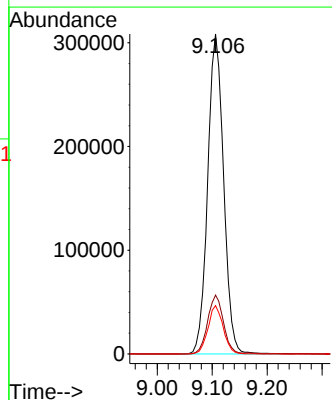
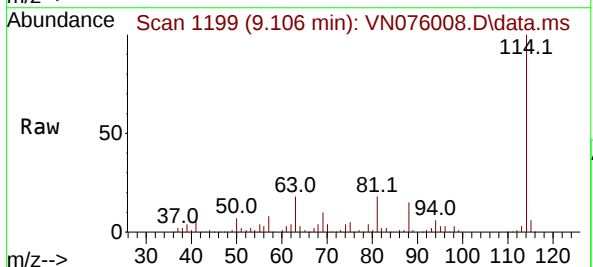
Tgt Ion:114 Resp: 619695

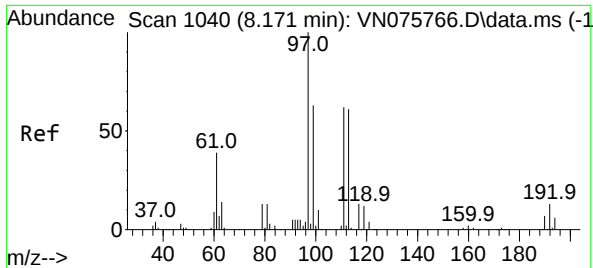
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

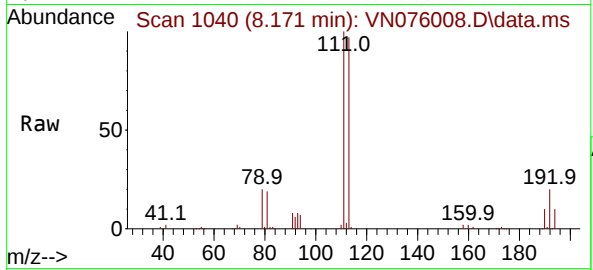
88 15.1 0.0 28.8





#35
Dibromofluoromethane
Concen: 47.491 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

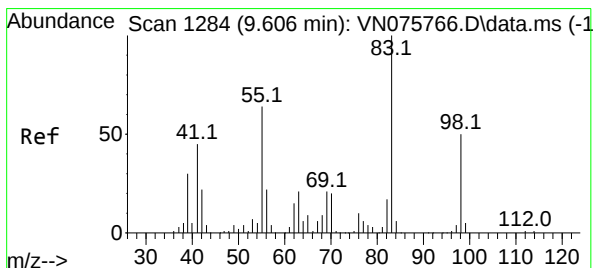
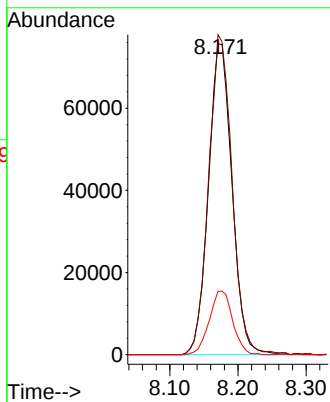
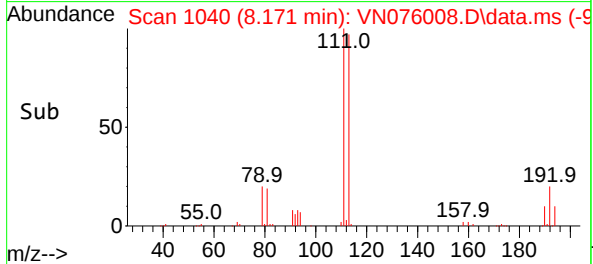
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 113 Resp: 18225
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.2
192 20.3 16.1 24.1

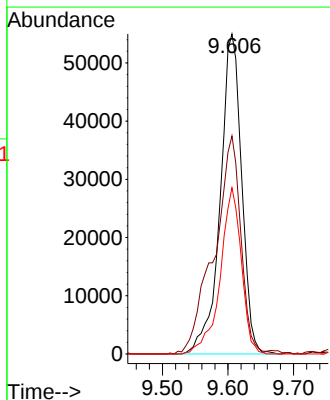
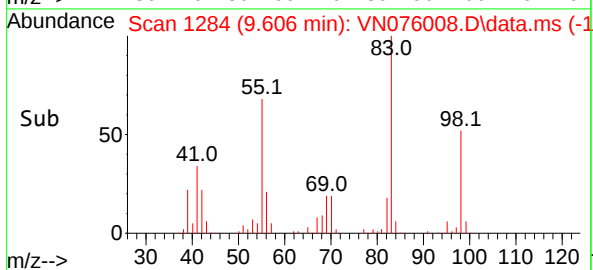
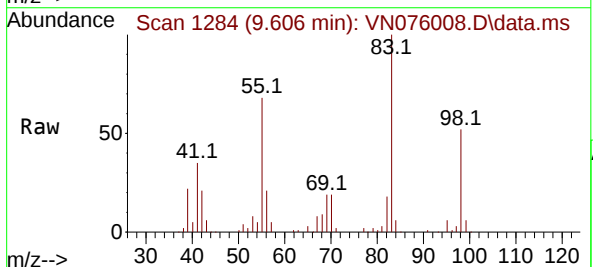
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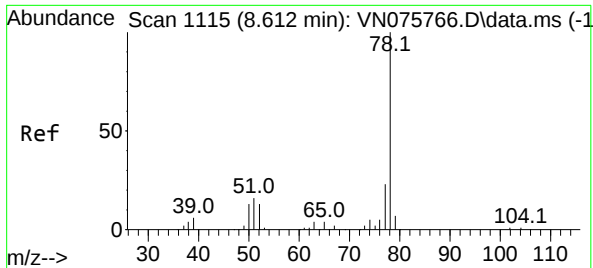
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#39
Methylcyclohexane
Concen: 20.257 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Tgt Ion: 83 Resp: 124589
Ion Ratio Lower Upper
83 100
55 67.3 51.4 77.0
98 52.0 39.8 59.8





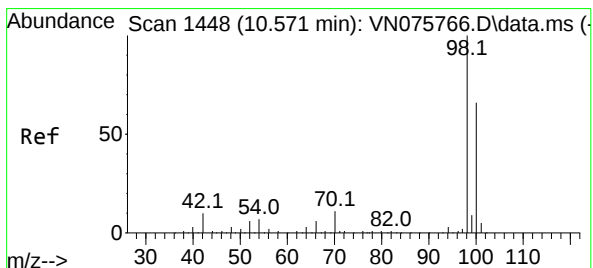
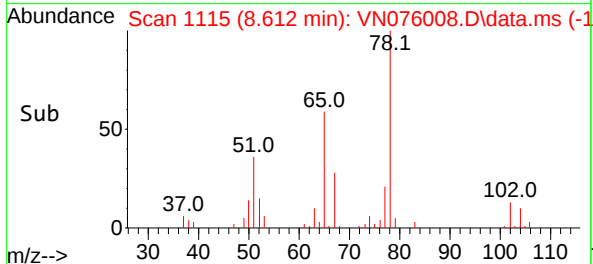
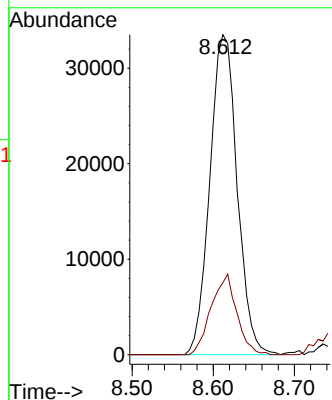
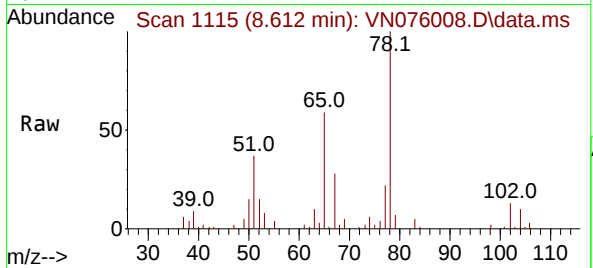
#40
Benzene
Concen: 4.985 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 78 Resp: 7841
Ion Ratio Lower Upper
78 100
77 22.5 18.5 27.7

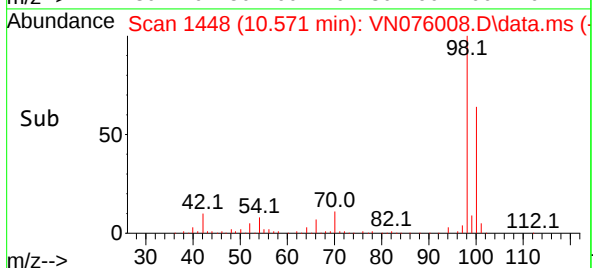
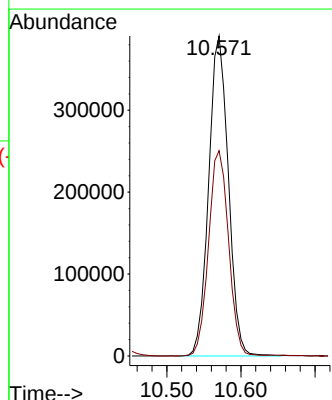
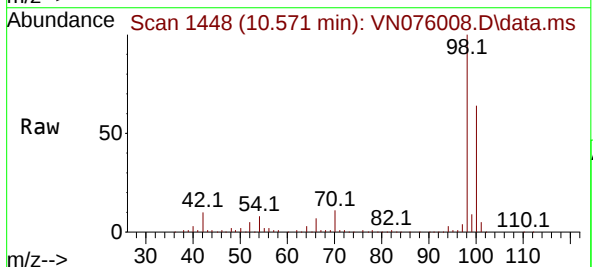
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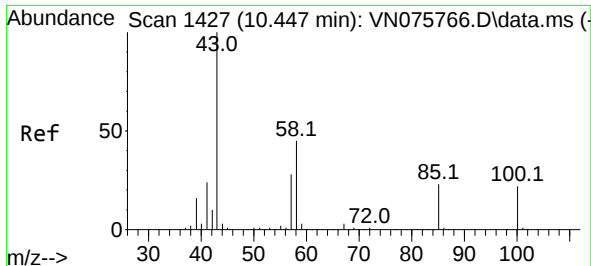
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#50
Toluene-d8
Concen: 50.166 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Tgt Ion: 98 Resp: 719809
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





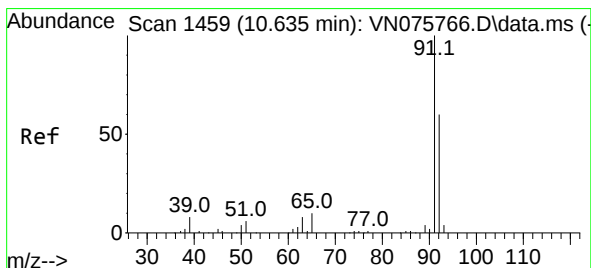
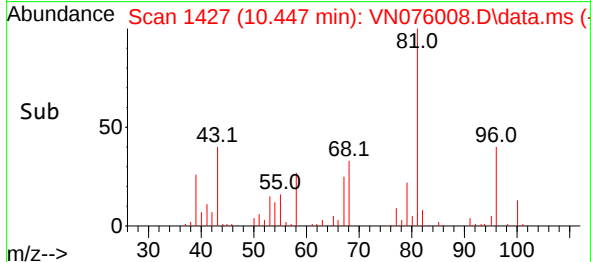
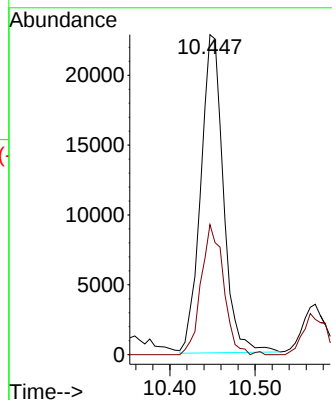
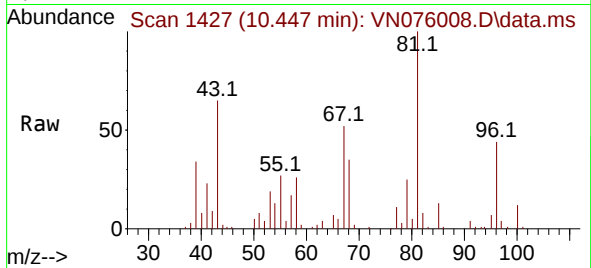
#51
4-Methyl-2-Pentanone
Concen: 10.327 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 43 Resp: 42188
Ion Ratio Lower Upper
43 100
58 40.5 35.5 53.3

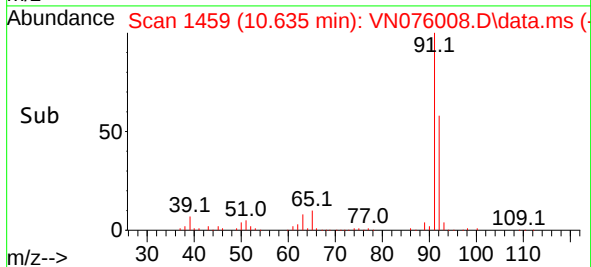
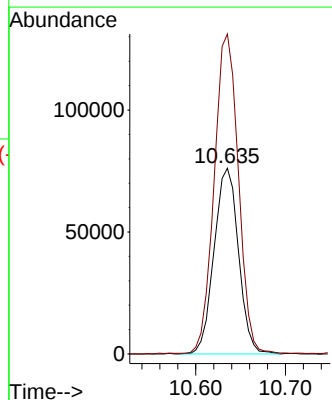
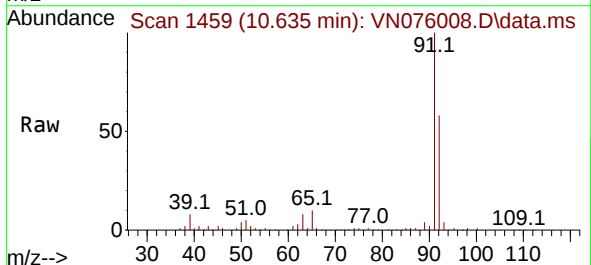
Manual Integrations
APPROVED

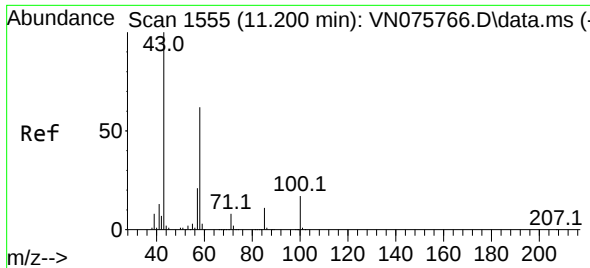
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#52
Toluene
Concen: 14.044 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

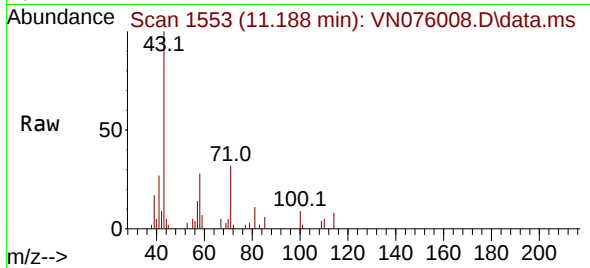
Tgt Ion: 92 Resp: 143861
Ion Ratio Lower Upper
92 100
91 170.4 137.3 205.9





#59
2-Hexanone
Concen: 3.638 ug/l m
RT: 11.188 min Scan# 1553
Delta R.T. -0.012 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

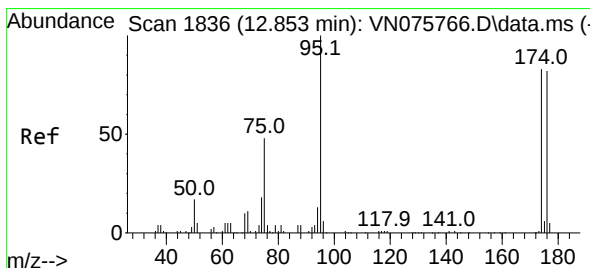
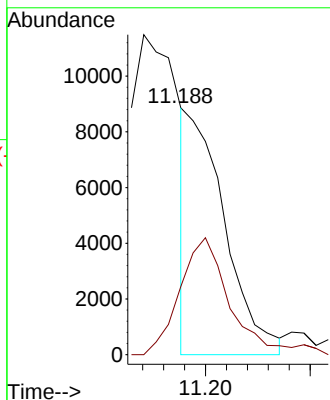
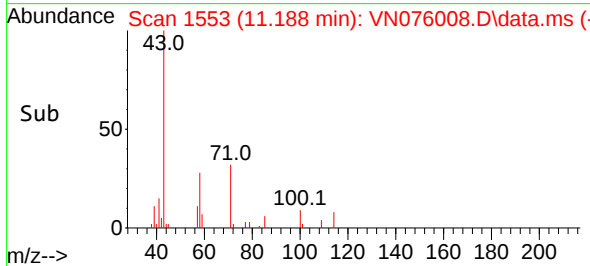
Instrument :
MSVOA_N
ClientSampleId :
MW-10



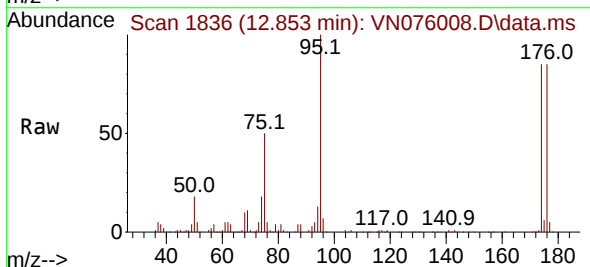
Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0

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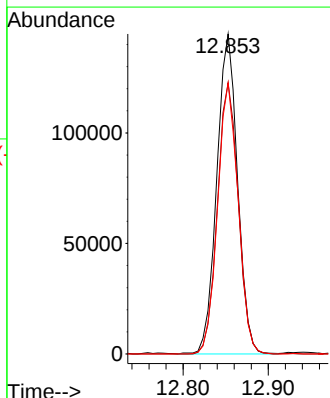
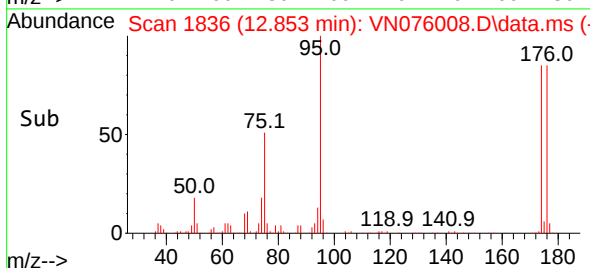
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

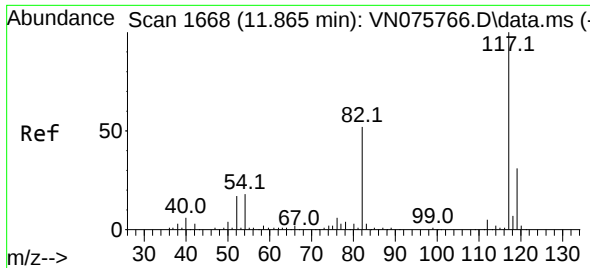


#62
4-Bromofluorobenzene
Concen: 51.568 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32



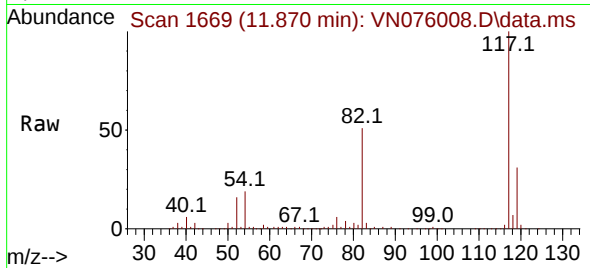
Tgt Ion: 95 Resp: 245075
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 83.8 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1668
Delta R.T. 0.006 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

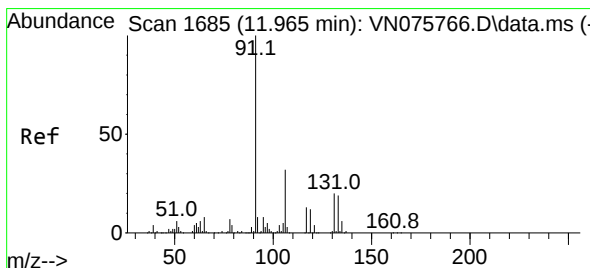
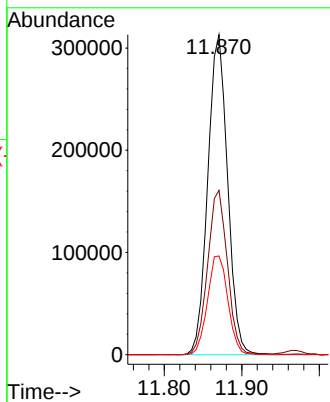
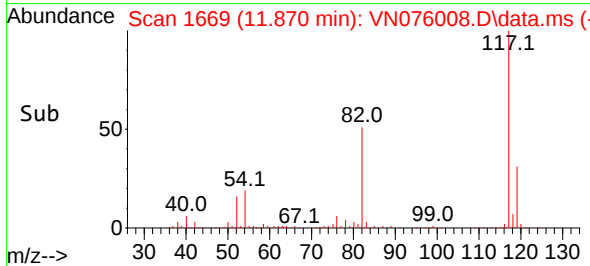
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion:117 Resp: 555390
Ion Ratio Lower Upper
117 100
82 51.4 41.3 61.9
119 30.8 24.6 37.0

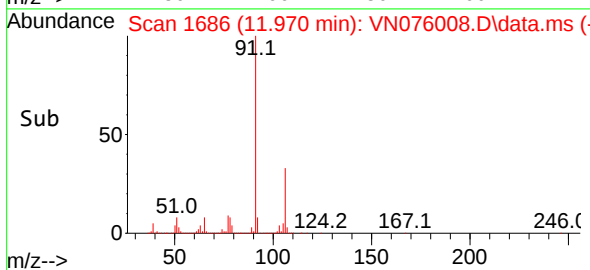
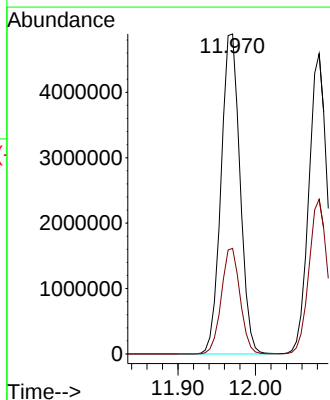
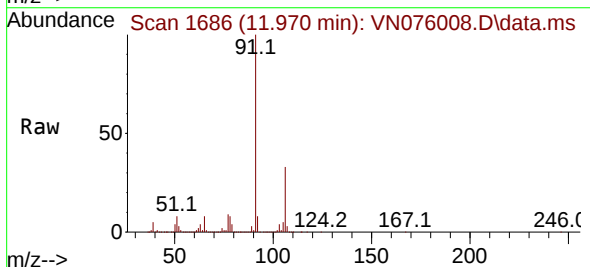
Manual Integrations
APPROVED

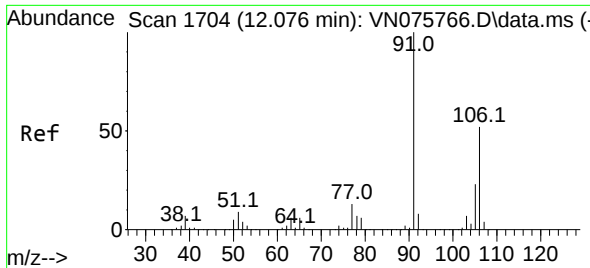
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#67
Ethyl Benzene
Concen: 434.116 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Tgt Ion: 91 Resp: 8351988
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5





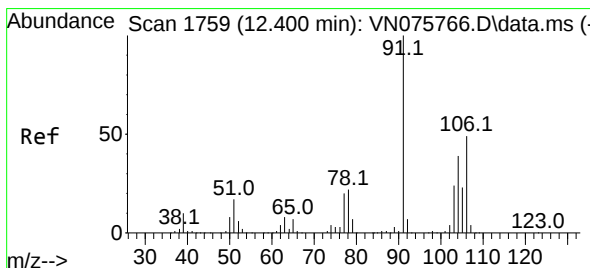
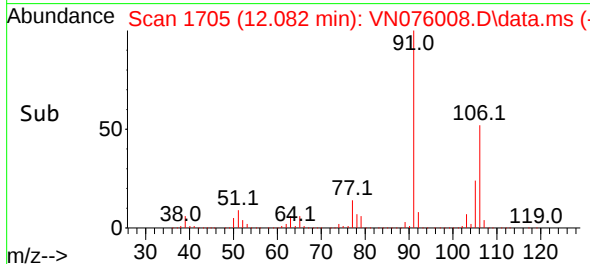
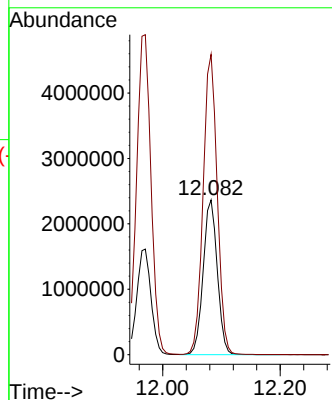
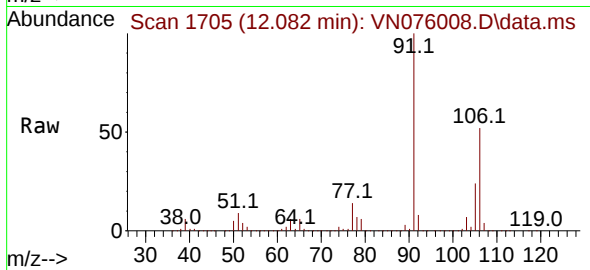
#68
m/p-Xylenes
Concen: 515.458 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:106 Resp: 3925110
Ion Ratio Lower Upper
106 100
91 194.1 156.6 235.0

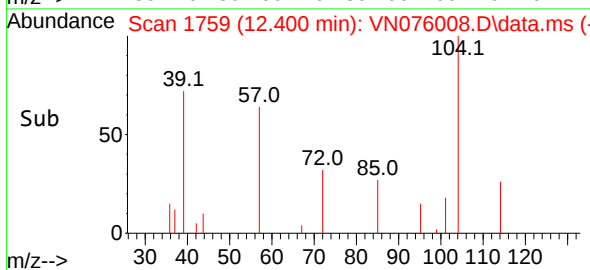
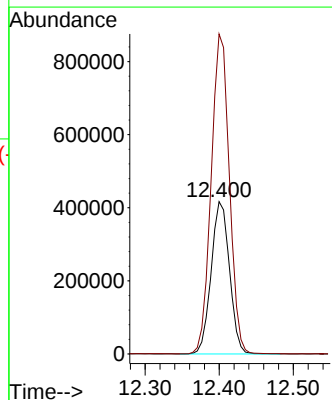
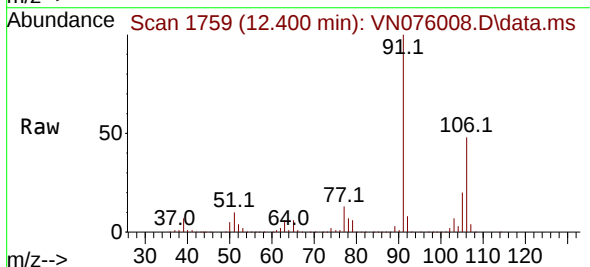
Manual Integrations
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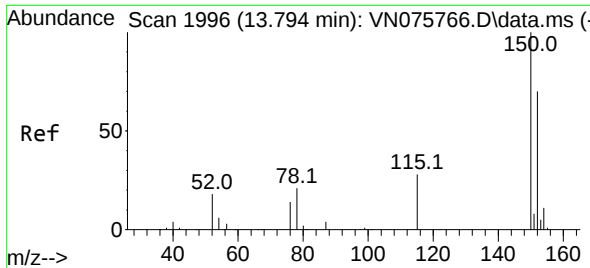
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#69
o-Xylene
Concen: 94.771 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

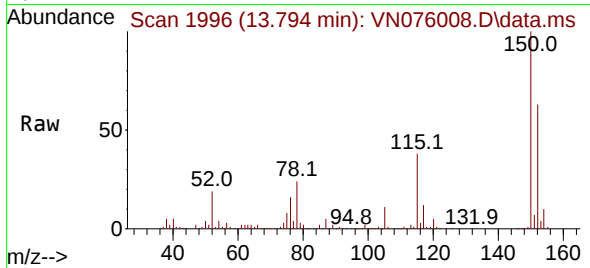
Tgt Ion:106 Resp: 714161
Ion Ratio Lower Upper
106 100
91 209.0 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

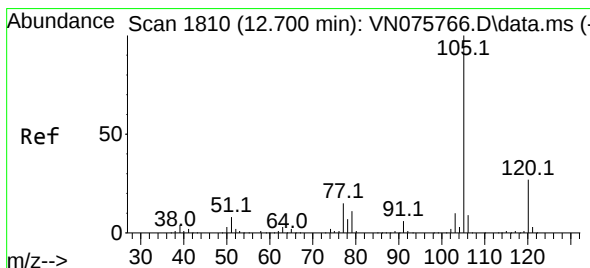
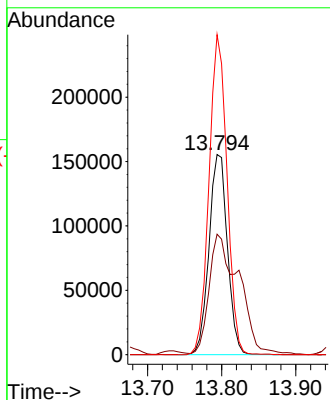
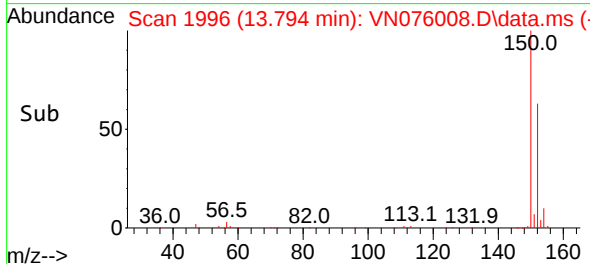
Instrument :
MSVOA_N
ClientSampleId :
MW-10



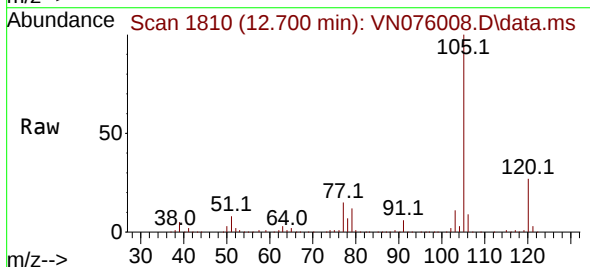
Tgt Ion:152 Resp: 268552
Ion Ratio Lower Upper
152 100
115 97.6 29.1 87.4
150 155.9 0.0 347.0

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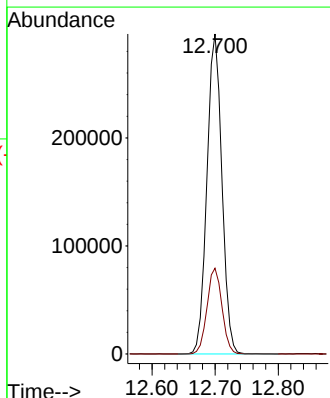
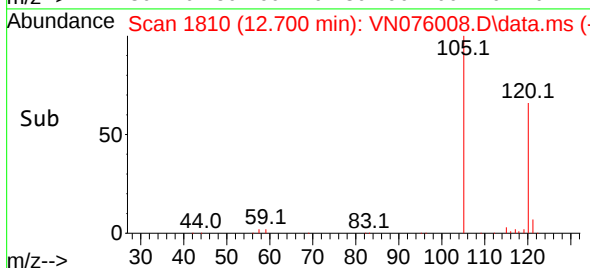
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

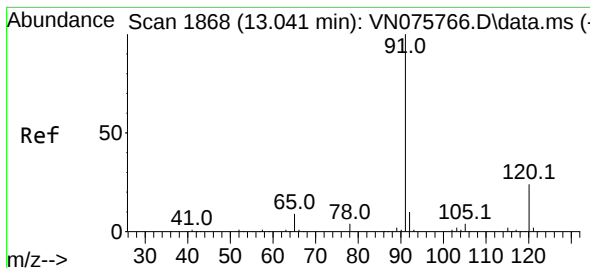


#73
Isopropylbenzene
Concen: 25.083 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32



Tgt Ion:105 Resp: 486779
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2





#78

n-propylbenzene

Concen: 53.742 ug/l

RT: 13.041 min Scan# 115033

Delta R.T. -0.000 min

Lab File: VN076008.D

Acq: 28 Dec 2022 18:32

Instrument :

MSVOA_N

ClientSampleId :

MW-10

Tgt Ion: 91 Resp: 115033

Ion Ratio Lower Upper

91 100

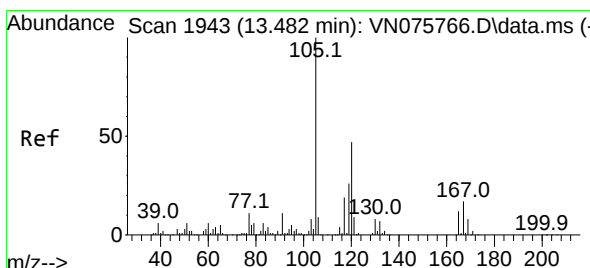
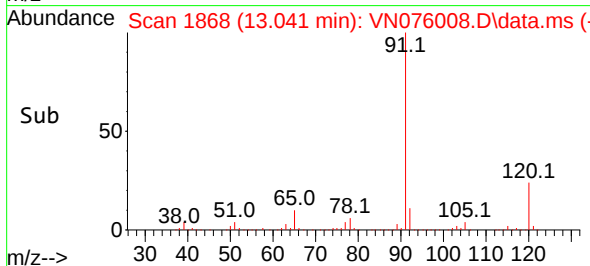
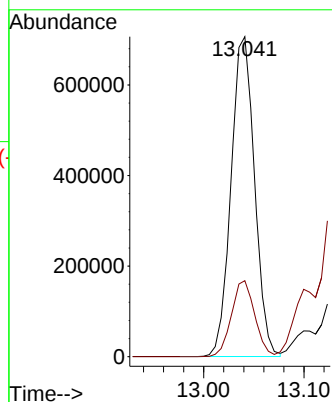
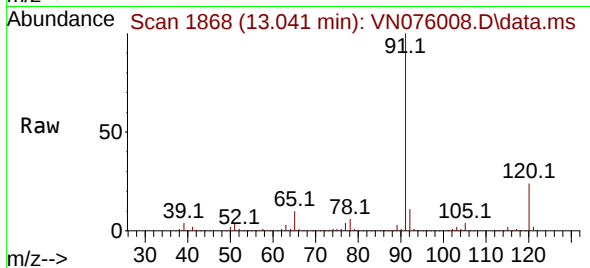
120 23.6 12.0 36.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/29/2022

Supervised By :Mahesh Dadoda 12/31/2022



#84

1,2,4-Trimethylbenzene

Concen: 655.711 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VN076008.D

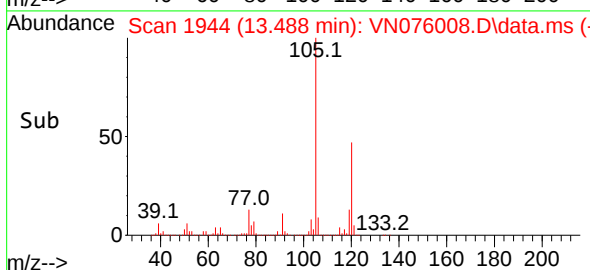
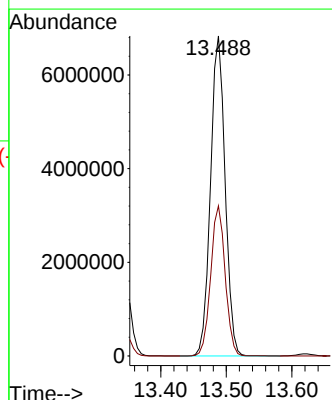
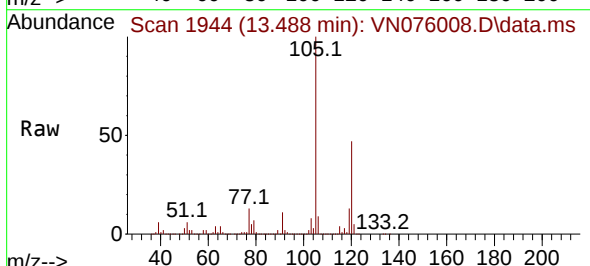
Acq: 28 Dec 2022 18:32

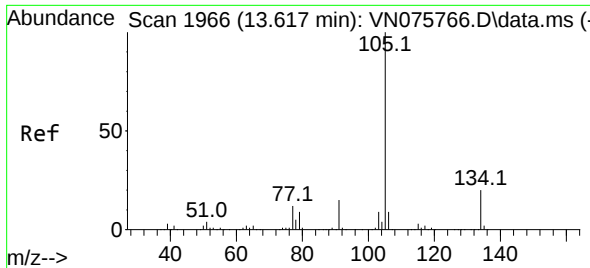
Tgt Ion:105 Resp:10565565

Ion Ratio Lower Upper

105 100

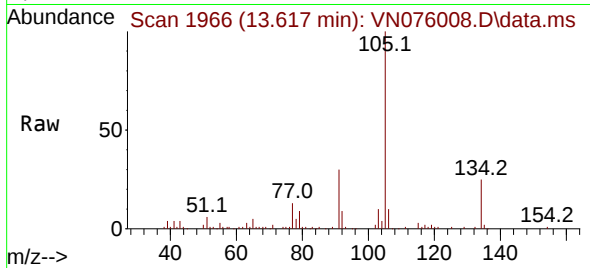
120 46.6 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 3.917 ug/l m
 RT: 13.617 min Scan# 1966
 Delta R.T. -0.000 min
 Lab File: VN076008.D
 Acq: 28 Dec 2022 18:32

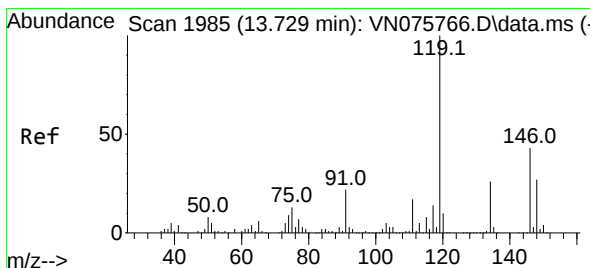
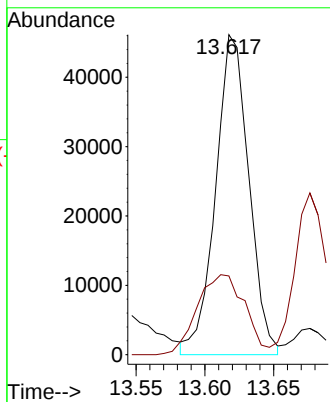
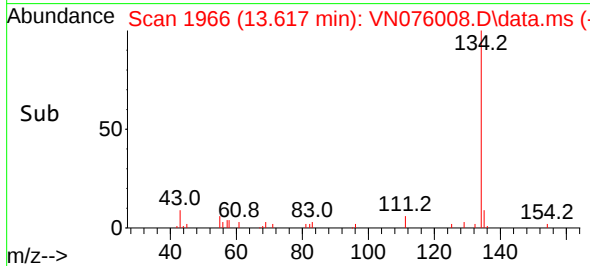
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10



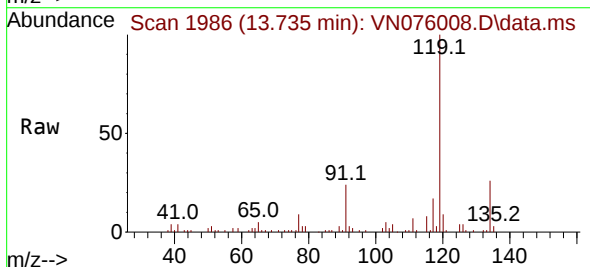
Tgt Ion:105 Resp: 77419
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1

Manual Integrations
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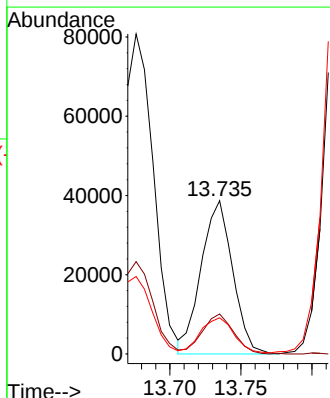
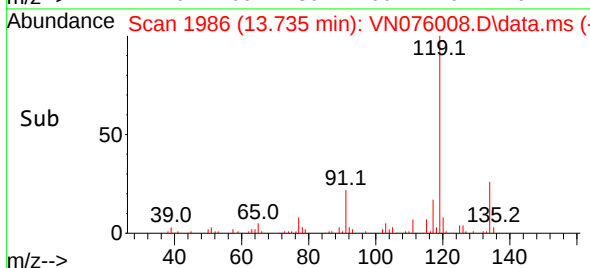
Reviewed By :Semsettin Yesilyurt 12/29/2022
 Supervised By :Mahesh Dadoda 12/31/2022

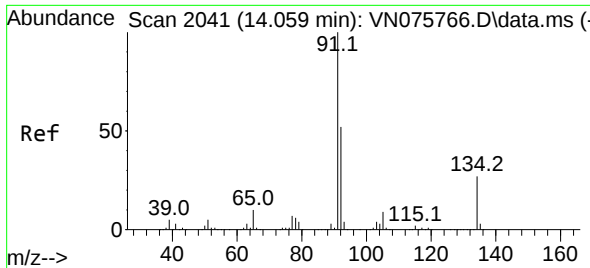


#86
 p-Isopropyltoluene
 Concen: 3.629 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN076008.D
 Acq: 28 Dec 2022 18:32



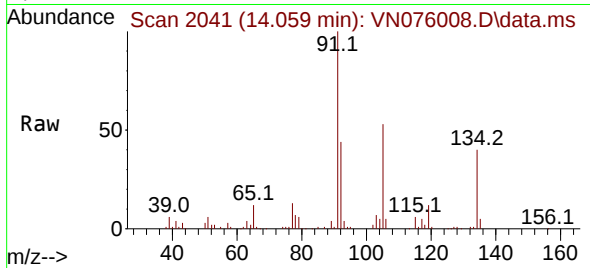
Tgt Ion:119 Resp: 59680
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 0.0 11.2 33.6





#89
n-Butylbenzene
Concen: 5.053 ug/l m
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32

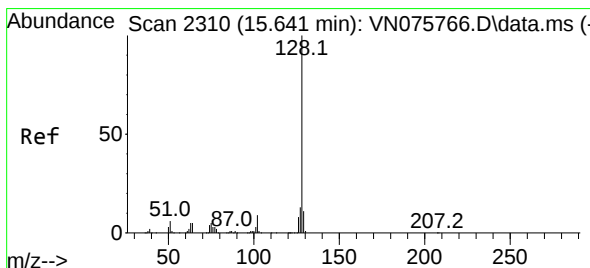
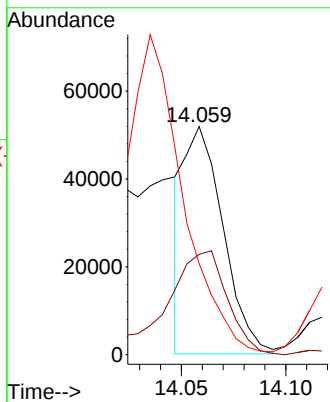
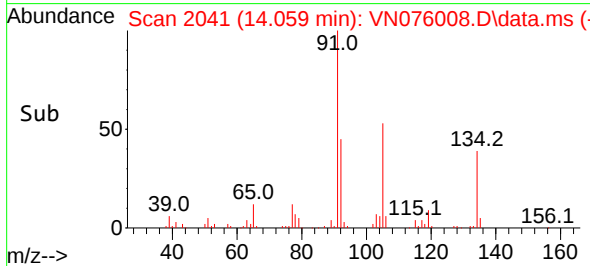
Instrument :
MSVOA_N
ClientSampleId :
MW-10



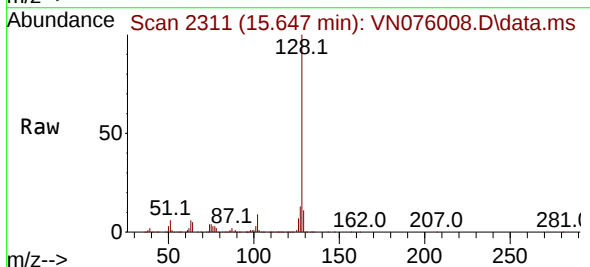
Tgt Ion: 91 Resp: 67330
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2
134 33.9 13.4 40.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#95
Naphthalene
Concen: 122.910 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076008.D
Acq: 28 Dec 2022 18:32



Tgt Ion:128 Resp: 1844916
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.7 13.1

