

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076000.D
 Acq On : 28 Dec 2022 15:21
 Operator : JC\MD
 Sample : N6213-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-3

Manual Integrations
 APPROVED

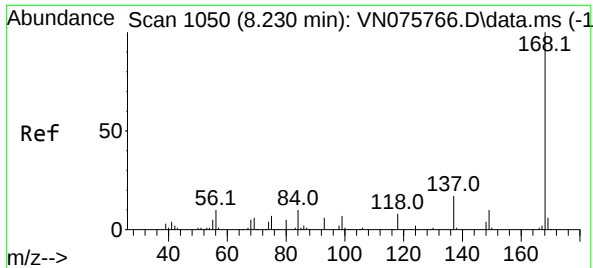
Reviewed By : Semsettin Yesilyurt 12/29/2022
 Supervised By : Mahesh Dadoda 12/31/2022

Quant Time: Dec 29 04:52:17 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)

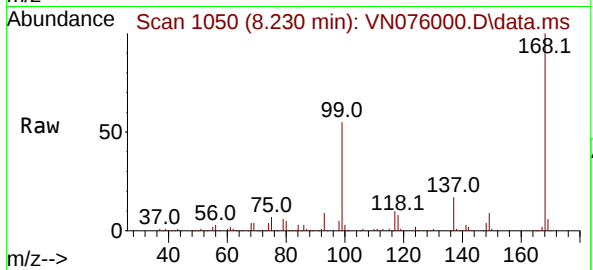
Internal Standards						
1) Pentafluorobenzene	8.230	168	420709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	636818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	568654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	286188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	245093	53.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.100%			
35) Dibromofluoromethane	8.177	113	193591	49.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	10.571	98	745696	50.572	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.140%			
62) 4-Bromofluorobenzene	12.853	95	271342	55.560	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.120%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.548	59	8706	13.443	ug/l #	90
16) Acetone	4.442	43	109490	69.396	ug/l	93
18) Methyl Acetate	5.048	43	11903	2.552	ug/l #	75
20) Methylene Chloride	5.289	84	23715	5.043	ug/l	98
25) 2-Butanone	7.489	43	42932	19.434	ug/l	98
31) Cyclohexane	8.265	56	54100	8.253	ug/l	96
37) Ethyl Acetate	7.571	43	38299	9.101	ug/l #	94
39) Methylcyclohexane	9.606	83	31561	4.994	ug/l	96
40) Benzene	8.606	78	24832285	1536.300	ug/l #	73
43) Isopropyl Acetate	8.694	43	297134m	42.805	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	123913	29.518	ug/l	94
52) Toluene	10.635	92	16393343	1557.268	ug/l #	1
67) Ethyl Benzene	11.965	91	2297850	116.651	ug/l	100
68) m/p-Xylenes	12.071	106	5633025	722.493	ug/l	99
69) o-Xylene	12.400	106	4890873	633.892	ug/l	98
73) Isopropylbenzene	12.700	105	140672	6.802	ug/l	97
78) n-propylbenzene	13.041	91	332248	14.566	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1308526	75.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	4320205	251.594	ug/l	96
85) sec-Butylbenzene	13.618	105	22404m	1.064	ug/l	
86) p-Isopropyltoluene	13.723	119	45942	2.621	ug/l #	60
89) n-Butylbenzene	14.059	91	14528	1.023	ug/l #	74
95) Naphthalene	15.641	128	20753296	1276.595	ug/l #	91

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

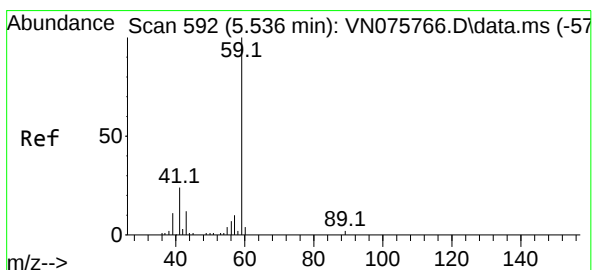
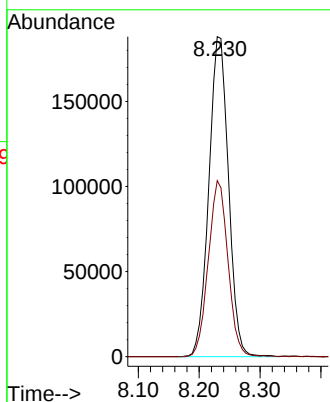
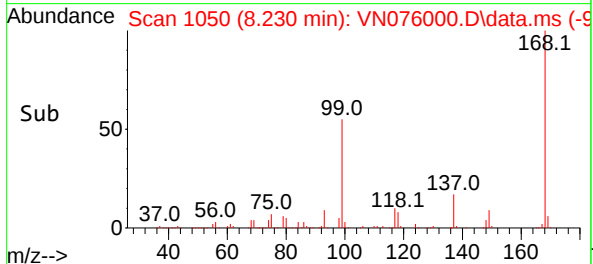
Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion:168 Resp: 420709
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4

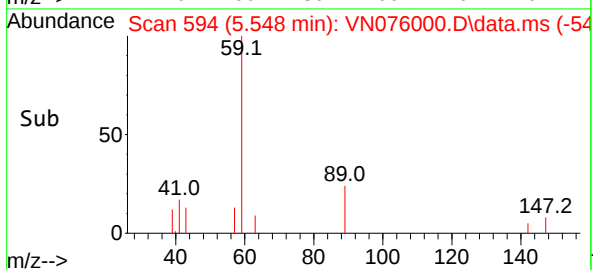
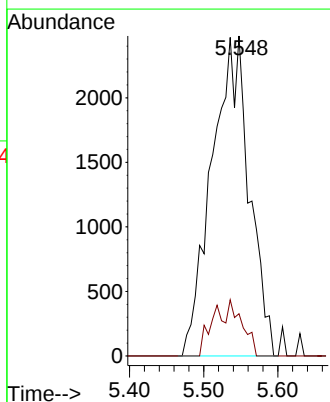
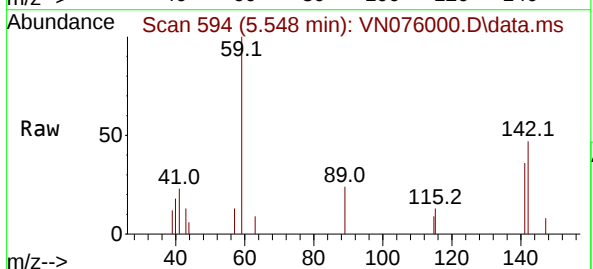
Manual Integrations
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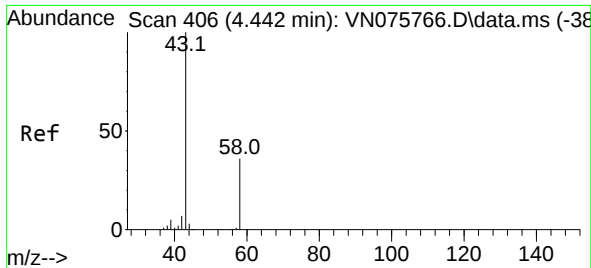
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#11
Tert butyl alcohol
Concen: 13.443 ug/l
RT: 5.548 min Scan# 594
Delta R.T. 0.012 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

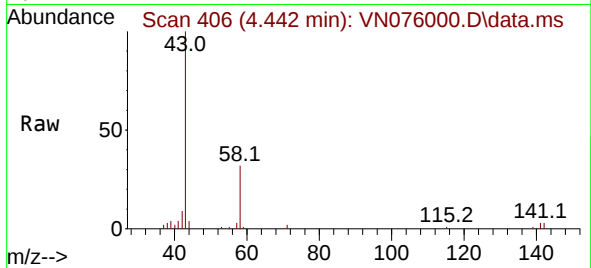
Tgt Ion: 59 Resp: 8706
Ion Ratio Lower Upper
59 100
57 6.6 8.2 12.4#





#16
Acetone
Concen: 69.396 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

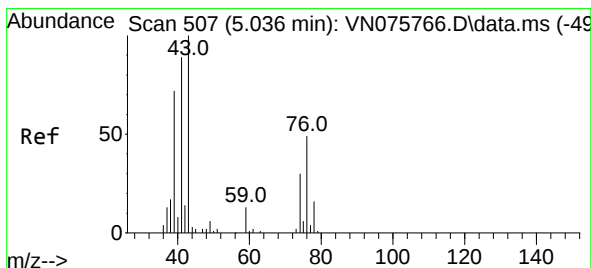
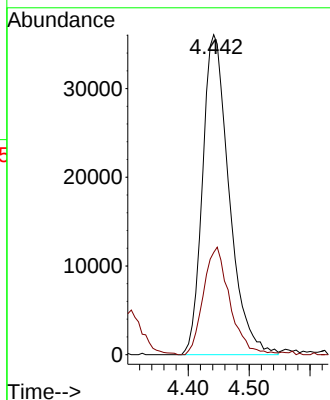
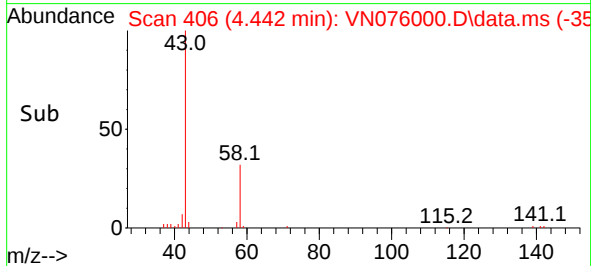
Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion: 43 Resp: 109490
Ion Ratio Lower Upper
43 100
58 31.9 28.6 43.0

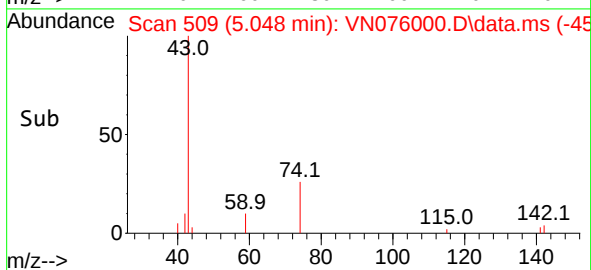
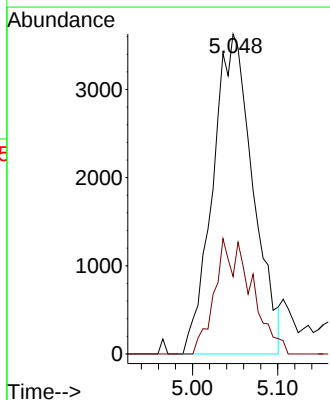
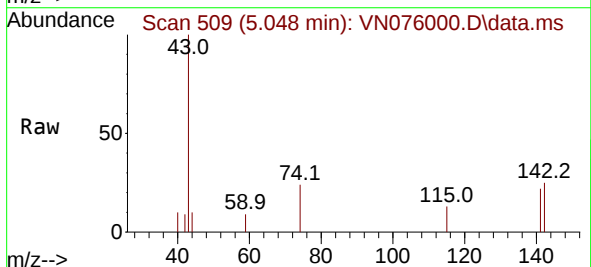
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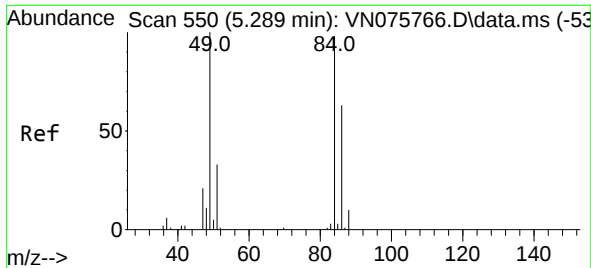
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#18
Methyl Acetate
Concen: 2.552 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

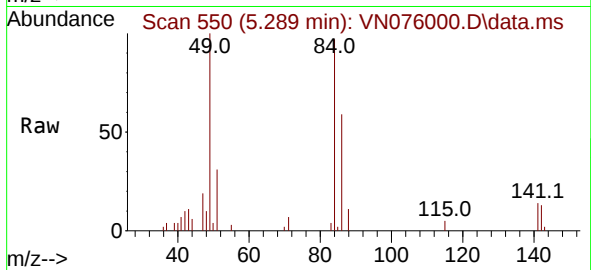
Tgt Ion: 43 Resp: 11903
Ion Ratio Lower Upper
43 100
74 16.3 23.6 35.4#





#20
Methylene Chloride
Concen: 5.043 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

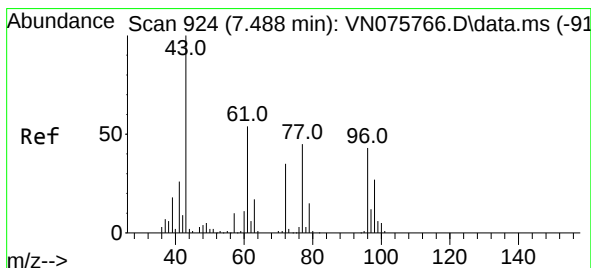
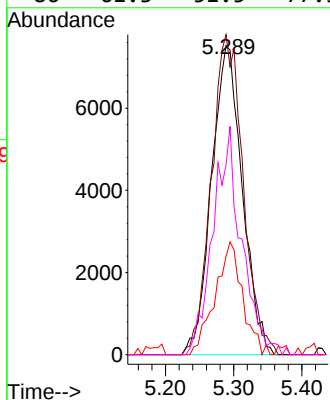
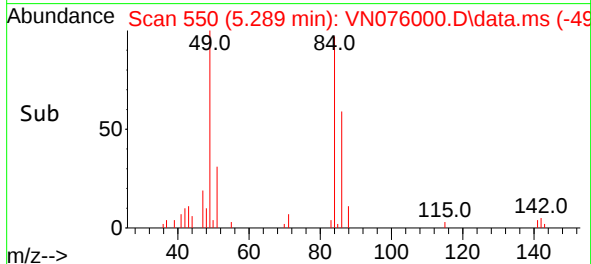
Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion: 84	Resp: 2371
Ion Ratio	Lower Upper
84 100	
49 103.5	81.8 122.6
51 31.8	26.7 40.1
86 61.3	51.5 77.3

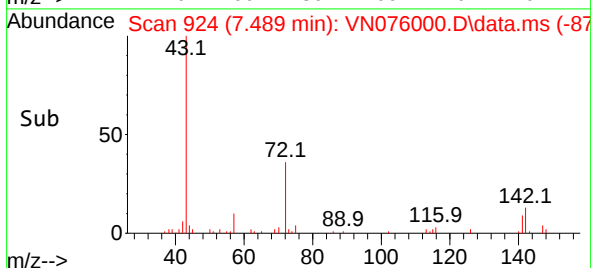
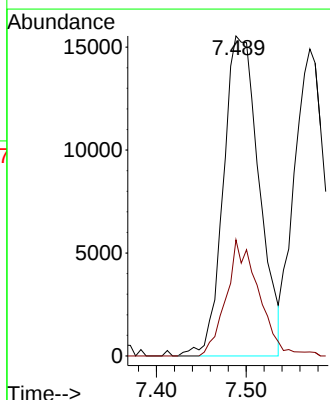
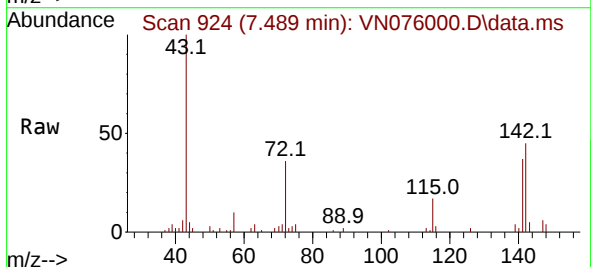
Manual Integrations
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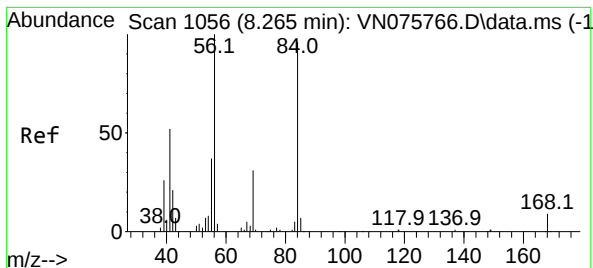
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#25
2-Butanone
Concen: 19.434 ug/l
RT: 7.489 min Scan# 924
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

Tgt Ion: 43	Resp: 42932
Ion Ratio	Lower Upper
43 100	
72 36.3	28.0 42.0





#31

Cyclohexane

Concen: 8.253 ug/l

RT: 8.265 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

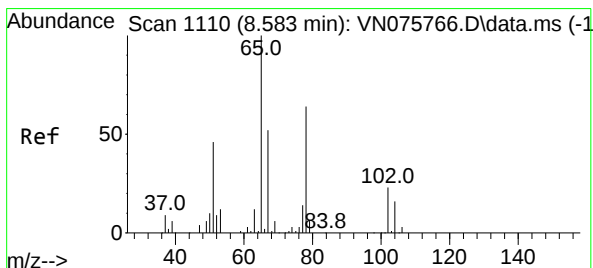
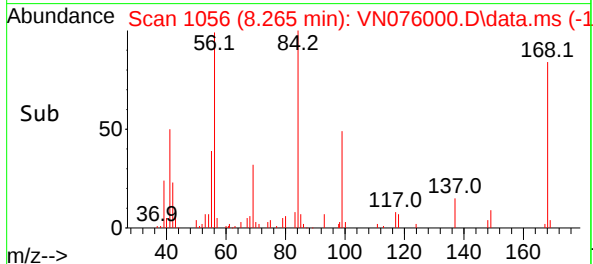
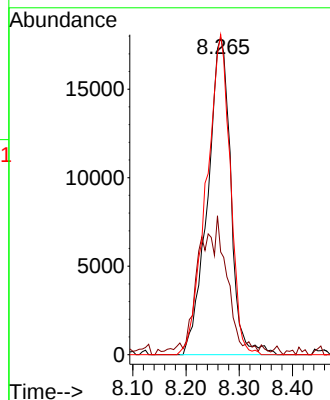
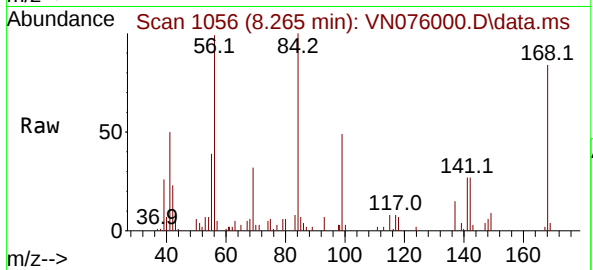
SB-3

Tgt Ion:	56	Resp:	54100
Ion Ratio	Lower	Upper	
56	100		
69	31.3	24.7	37.1
84	101.0	76.5	114.7

Manual Integrations

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Supervised By :Mahesh Dadoda 12/31/2022



#33

1,2-Dichloroethane-d4

Concen: 53.550 ug/l

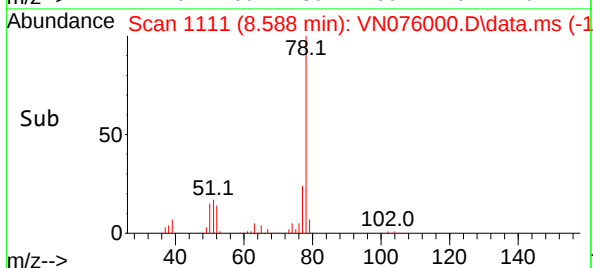
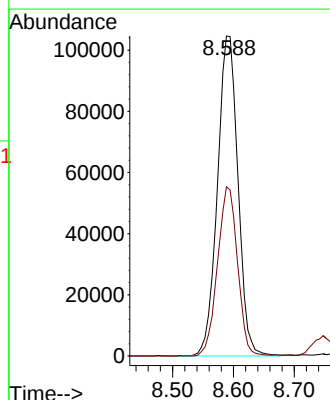
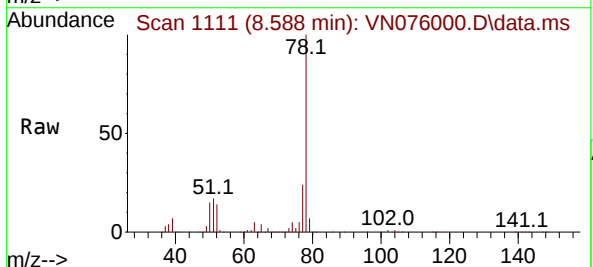
RT: 8.588 min Scan# 1111

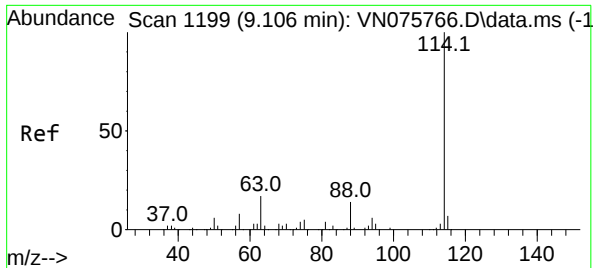
Delta R.T. 0.006 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

Tgt Ion:	65	Resp:	245093
Ion Ratio	Lower	Upper	
65	100		
67	51.6	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

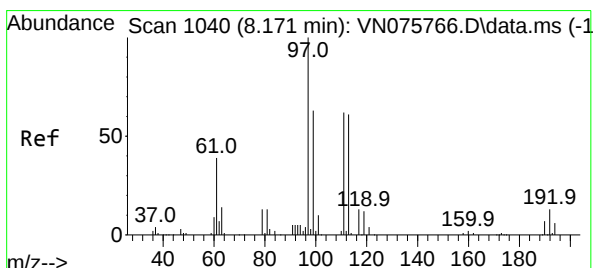
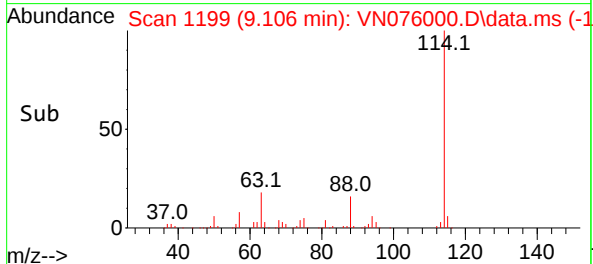
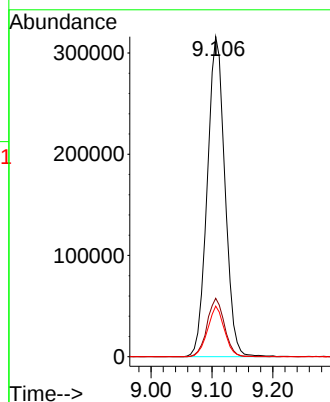
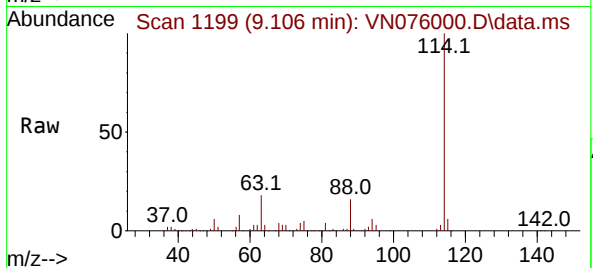
SB-3

Tgt Ion:114	Resp: 636818
Ion Ratio	Lower Upper
114 100	
63 18.2	0.0 34.4
88 15.8	0.0 28.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/31/2022



#35

Dibromofluoromethane

Concen: 49.088 ug/l

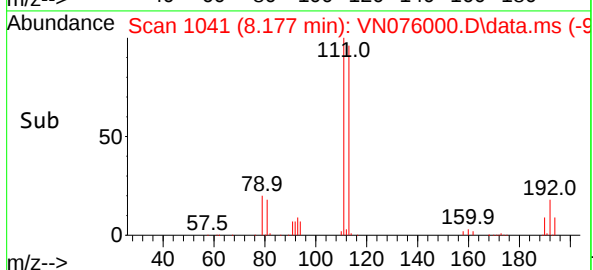
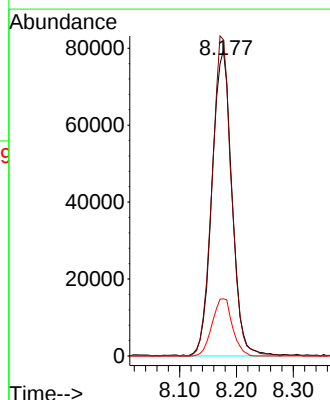
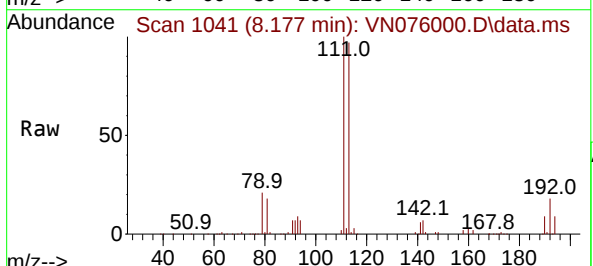
RT: 8.177 min Scan# 1041

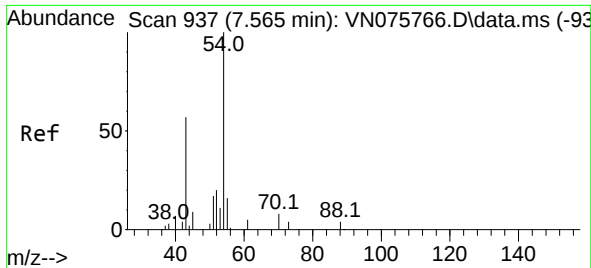
Delta R.T. 0.006 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

Tgt Ion:113	Resp: 193591
Ion Ratio	Lower Upper
113 100	
111 101.9	83.4 125.2
192 19.0	16.1 24.1





#37

Ethyl Acetate

Concen: 9.101 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

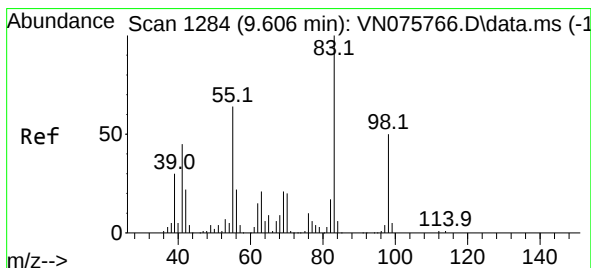
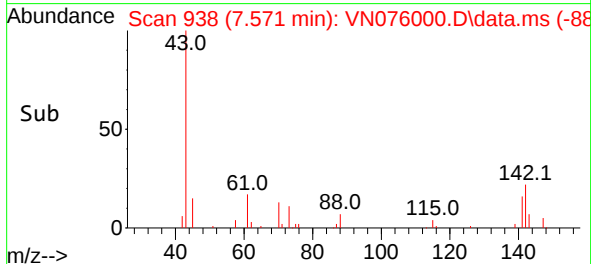
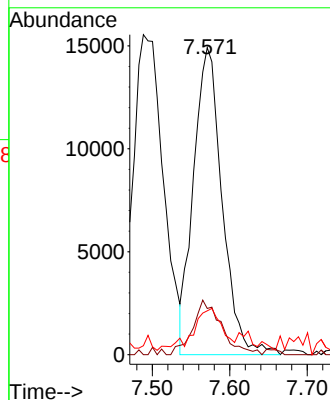
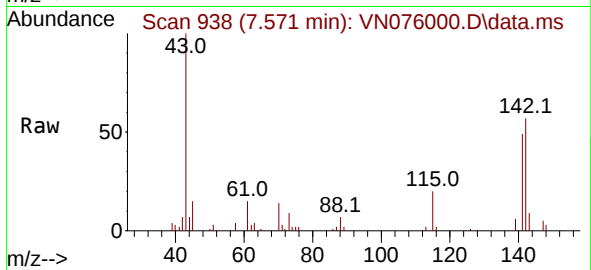
SB-3

Tgt Ion:	43	Resp:	3829
Ion Ratio	Lower	Upper	
43	100		
61	17.9	13.0	19.4
70	14.9	9.4	14.0

Manual Integrations

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



#39

Methylcyclohexane

Concen: 4.994 ug/l

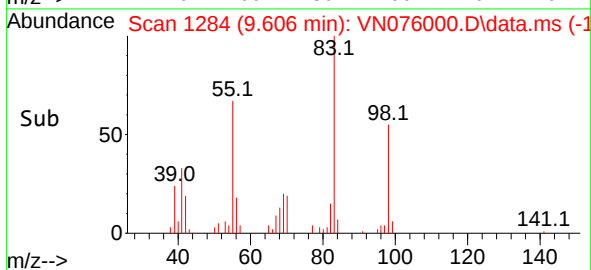
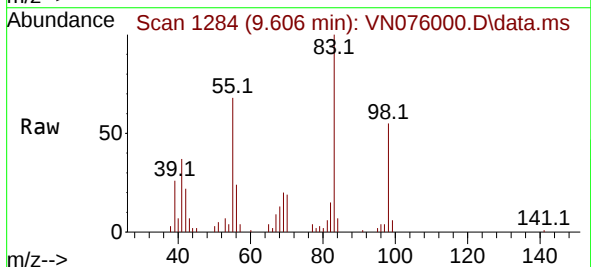
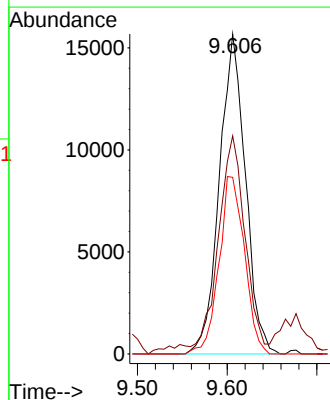
RT: 9.606 min Scan# 1284

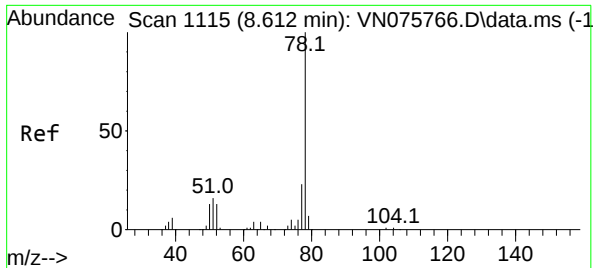
Delta R.T. 0.000 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

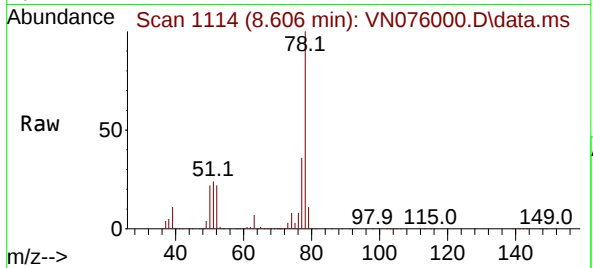
Tgt Ion:	83	Resp:	31561
Ion Ratio	Lower	Upper	
83	100		
55	65.2	51.4	77.0
98	55.2	39.8	59.8





#40
Benzene
Concen: 1536.300 ug/l
RT: 8.606 min Scan# 1114
Delta R.T. -0.006 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

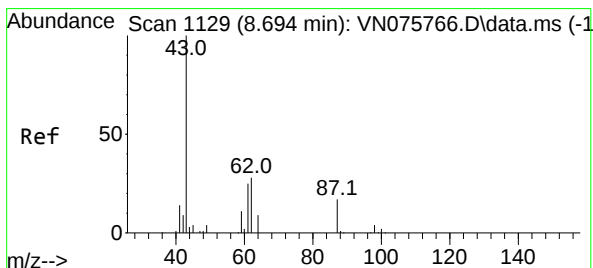
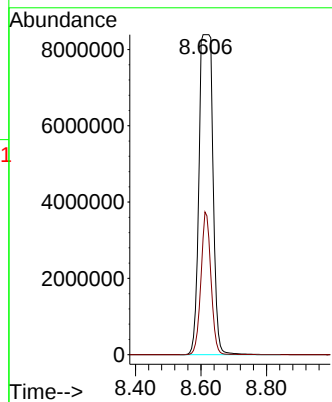
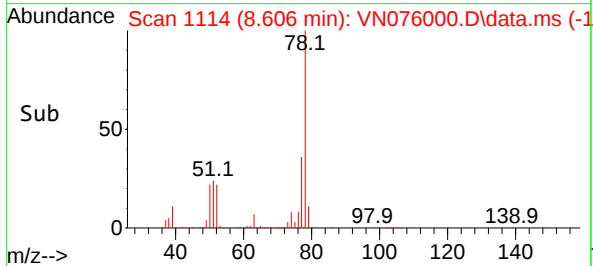
Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion: 78 Resp: 2483228
Ion Ratio Lower Upper
78 100
77 36.3 18.5 27.7

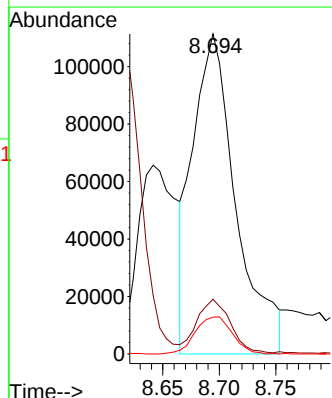
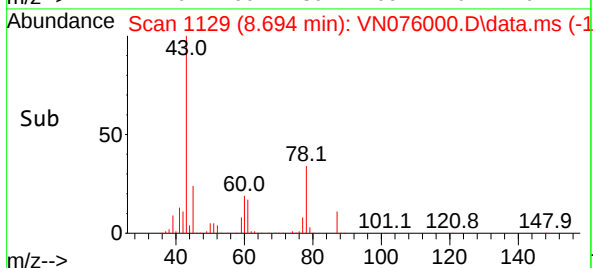
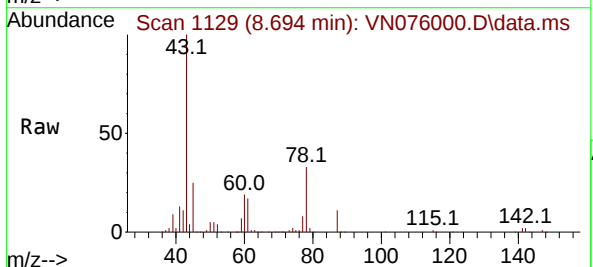
Manual Integrations
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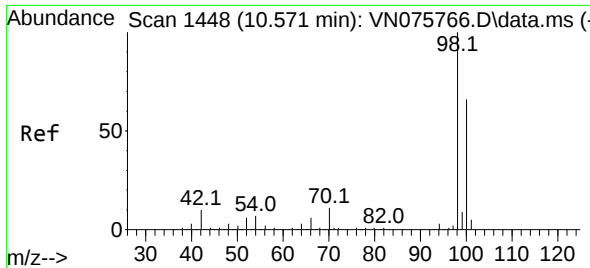
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#43
Isopropyl Acetate
Concen: 42.805 ug/l m
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

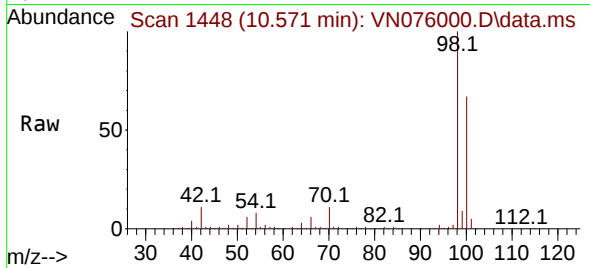
Tgt Ion: 43 Resp: 297134
Ion Ratio Lower Upper
43 100
61 12.9 24.2 36.4#
87 9.9 13.3 19.9#





#50
Toluene-d8
Concen: 50.572 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

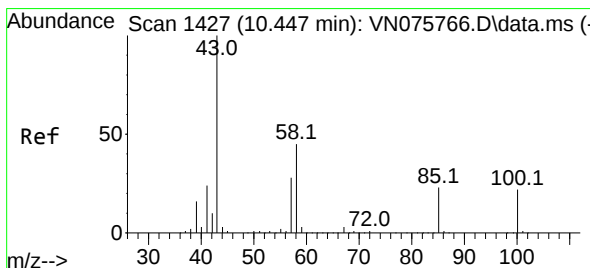
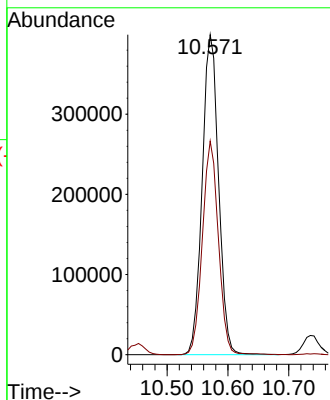
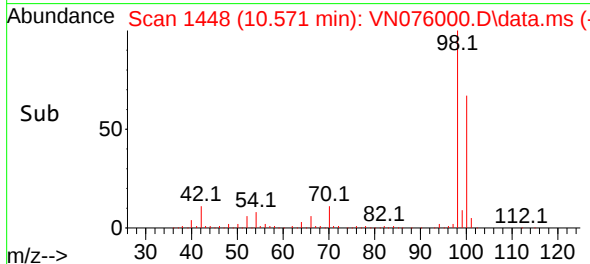
Instrument :
MSVOA_N
ClientSampleId :
SB-3



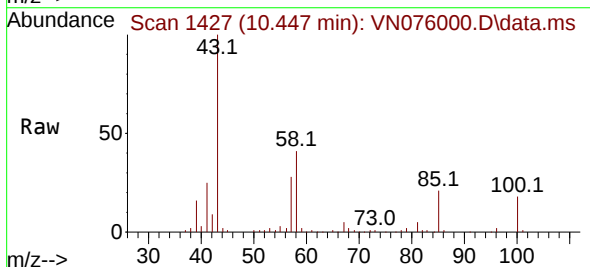
Tgt Ion: 98 Resp: 745690
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

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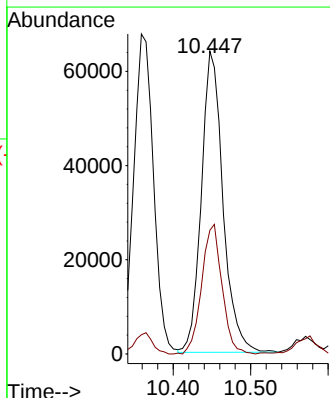
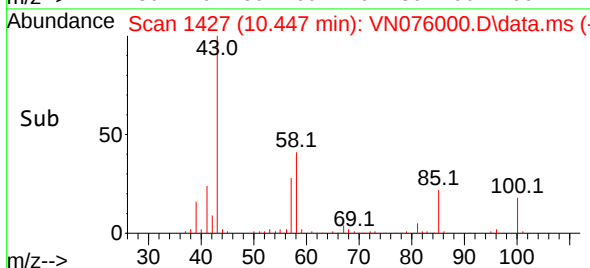
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

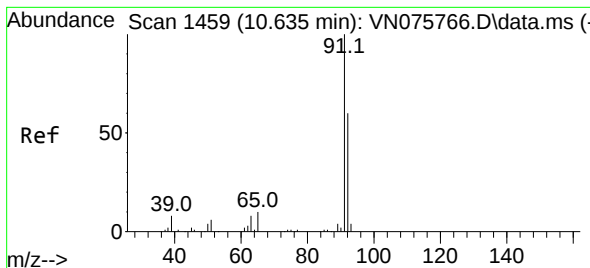


#51
4-Methyl-2-Pentanone
Concen: 29.518 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21



Tgt Ion: 43 Resp: 123913
Ion Ratio Lower Upper
43 100
58 40.4 35.5 53.3





#52

Toluene

Concen: 1557.268 ug/l

RT: 10.635 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

SB-3

Tgt Ion: 92 Resp:1639334

Ion Ratio Lower Upper

92 100

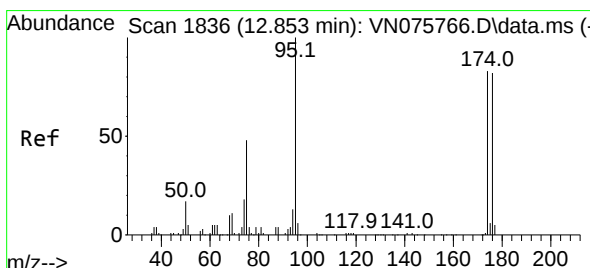
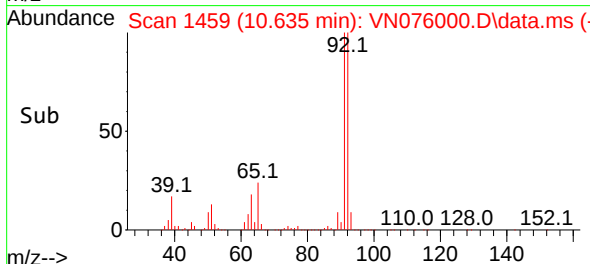
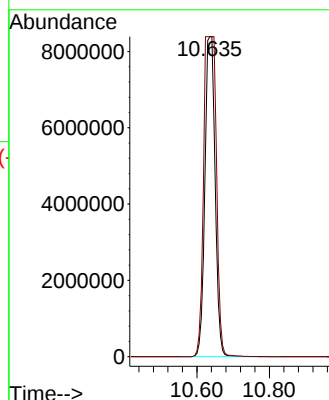
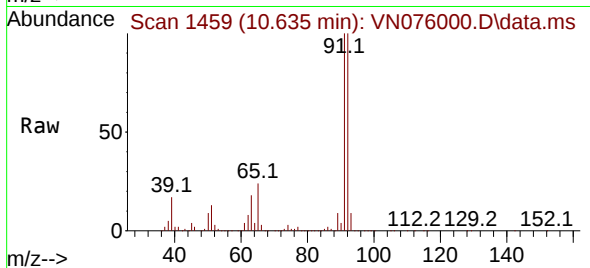
91 0.0 137.3 205.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/29/2022

Supervised By :Mahesh Dadoda 12/31/2022



#62

4-Bromofluorobenzene

Concen: 55.560 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN076000.D

Acq: 28 Dec 2022 15:21

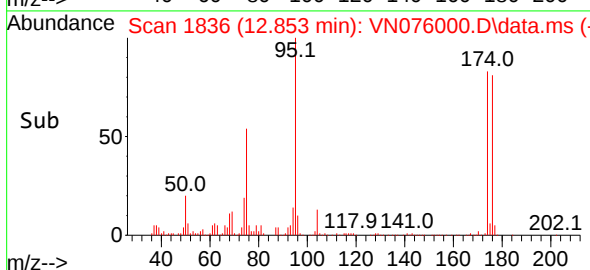
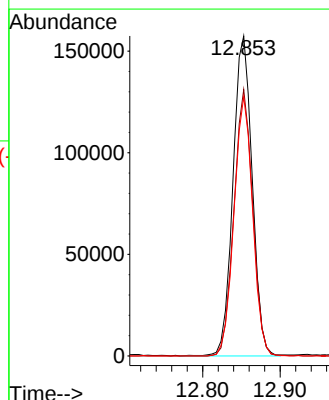
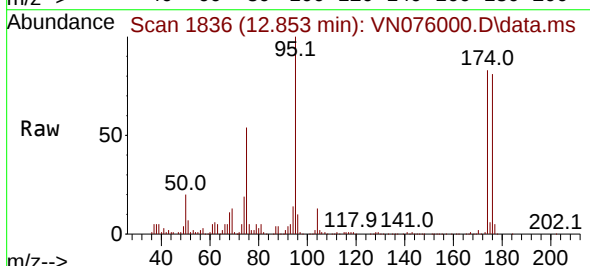
Tgt Ion: 95 Resp: 271342

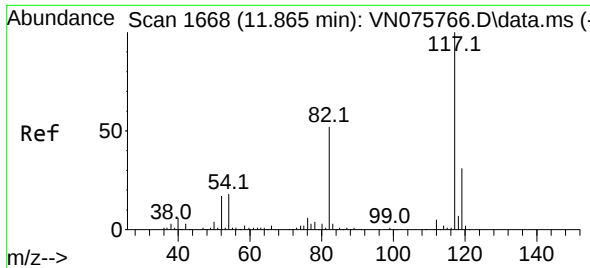
Ion Ratio Lower Upper

95 100

174 81.8 0.0 171.6

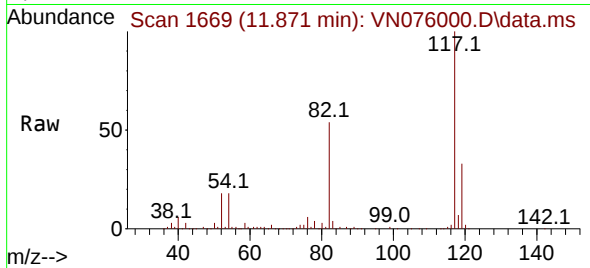
176 78.9 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

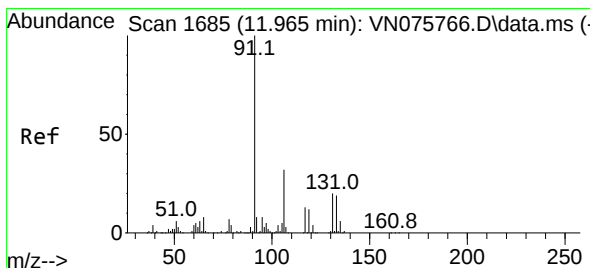
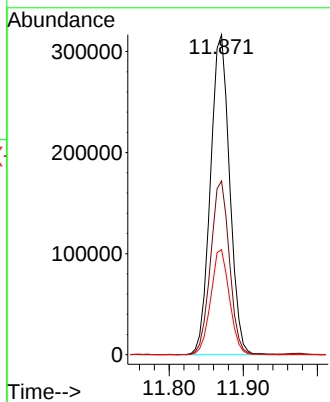
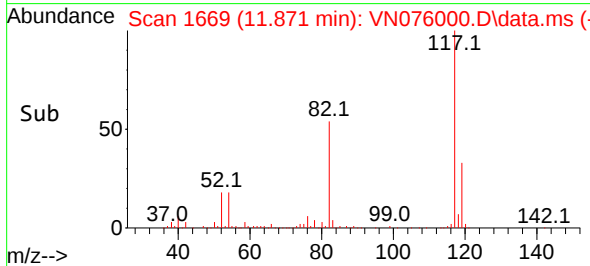
Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion:117 Resp: 568654
Ion Ratio Lower Upper
117 100
82 54.3 41.3 61.9
119 32.8 24.6 37.0

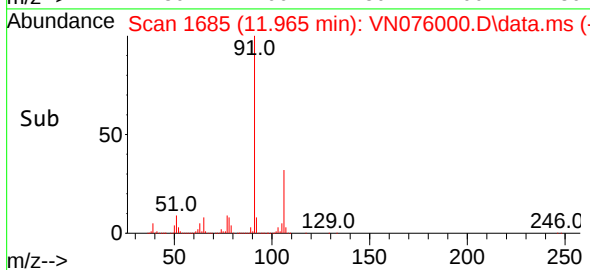
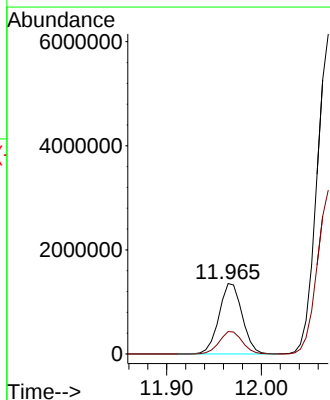
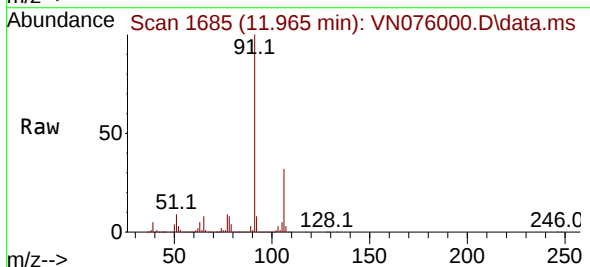
Manual Integrations
APPROVED

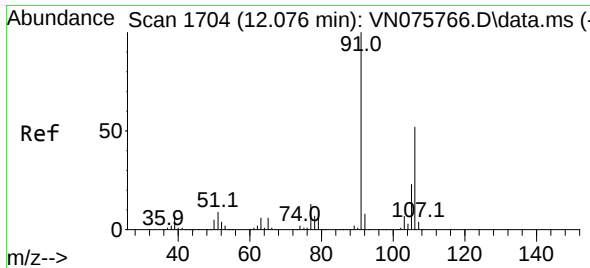
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#67
Ethyl Benzene
Concen: 116.651 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

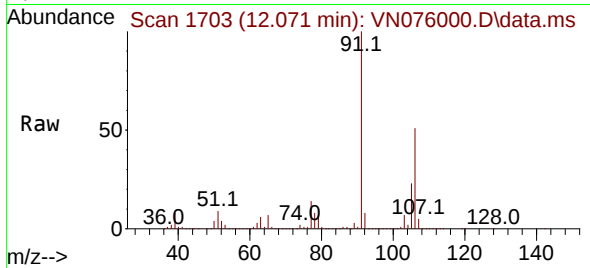
Tgt Ion: 91 Resp: 2297850
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5





#68
m/p-Xylenes
Concen: 722.493 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

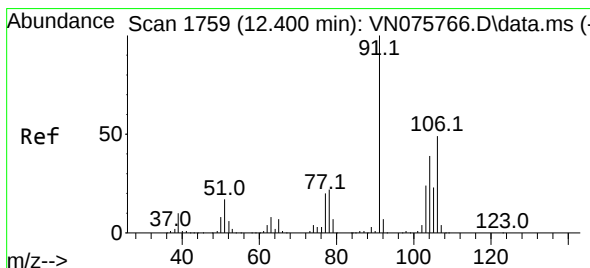
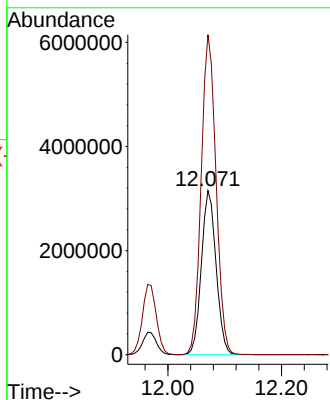
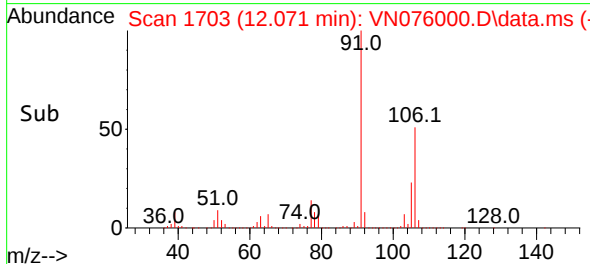
Instrument :
MSVOA_N
ClientSampleId :
SB-3



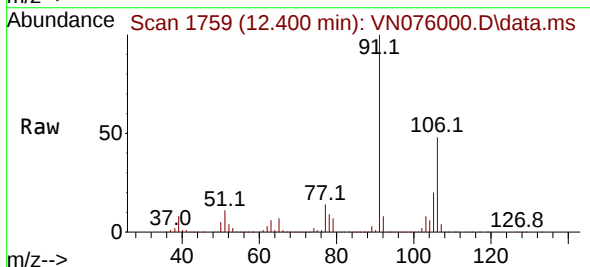
Tgt Ion:106 Resp: 5633029
Ion Ratio Lower Upper
106 100
91 197.4 156.6 235.0

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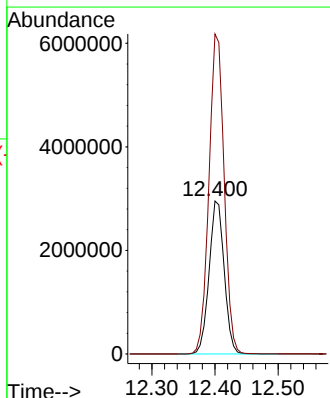
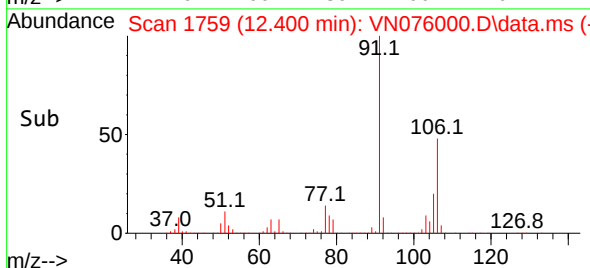
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

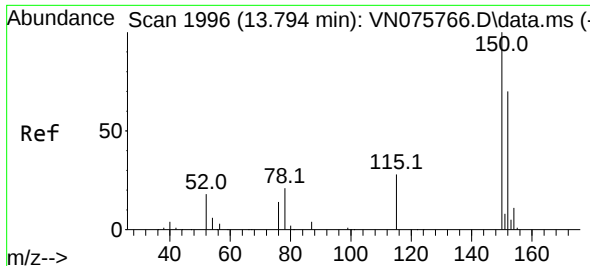


#69
o-Xylene
Concen: 633.892 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21



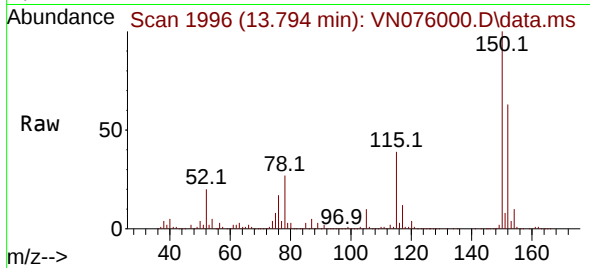
Tgt Ion:106 Resp: 4890873
Ion Ratio Lower Upper
106 100
91 210.6 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

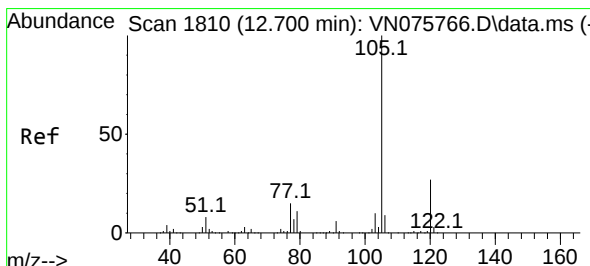
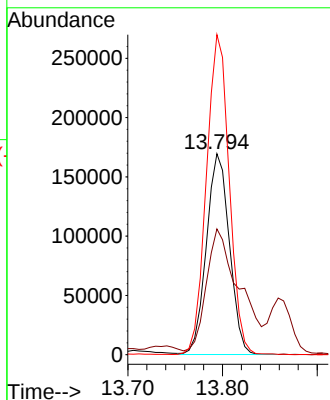
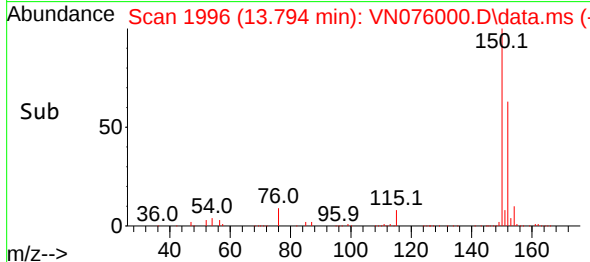
Instrument :
MSVOA_N
ClientSampleId :
SB-3



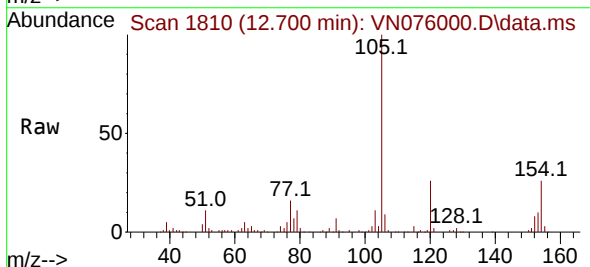
Tgt Ion:152 Resp: 286188
Ion Ratio Lower Upper
152 100
115 85.1 29.1 87.4
150 158.2 0.0 347.0

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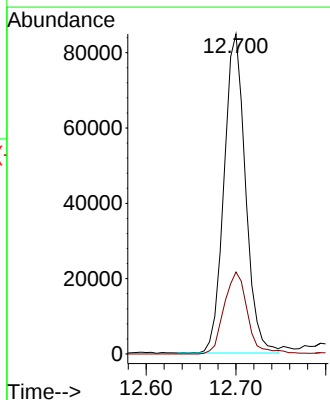
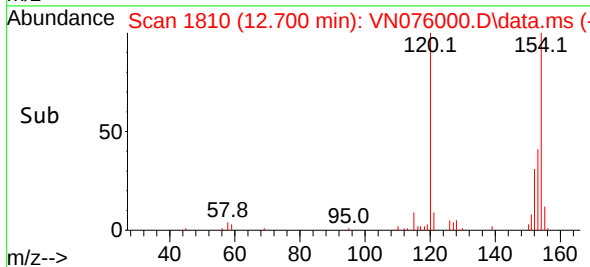
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

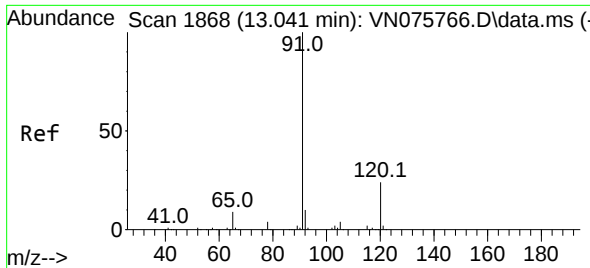


#73
Isopropylbenzene
Concen: 6.802 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21



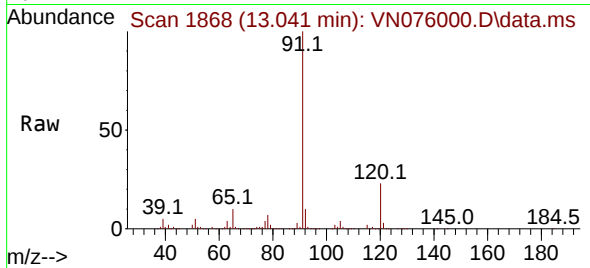
Tgt Ion:105 Resp: 140672
Ion Ratio Lower Upper
105 100
120 28.1 13.4 40.2





#78
n-propylbenzene
Concen: 14.566 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

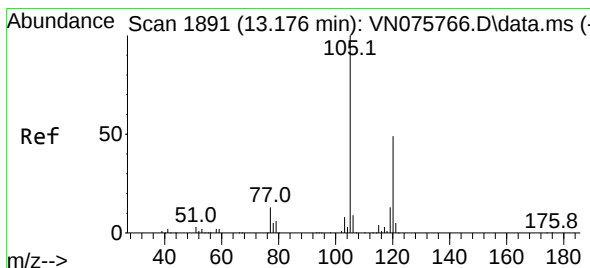
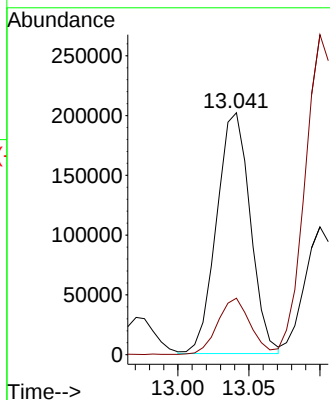
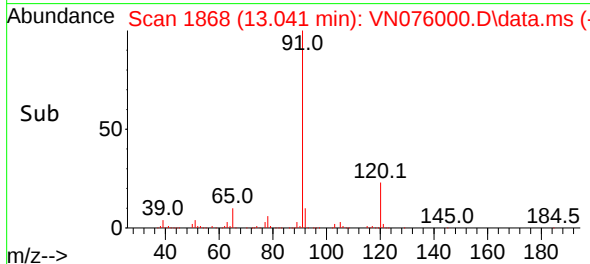
Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion: 91 Resp: 332248
Ion Ratio Lower Upper
91 100
120 22.5 12.0 36.1

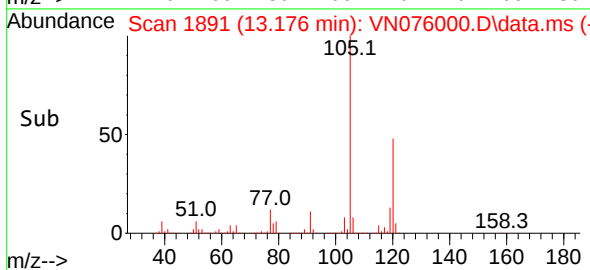
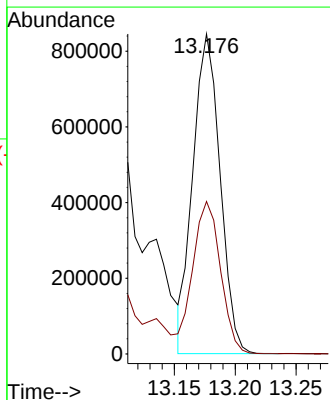
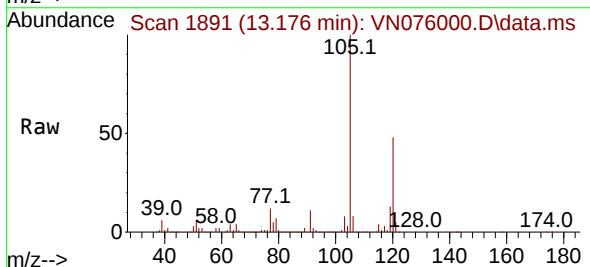
Manual Integrations
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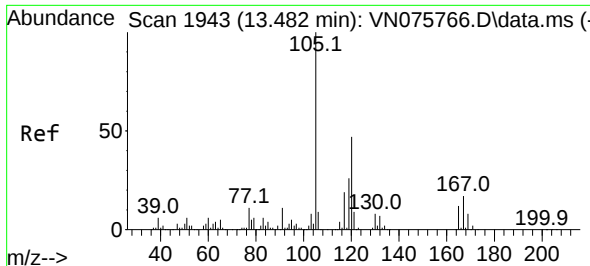
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#80
1,3,5-Trimethylbenzene
Concen: 75.598 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

Tgt Ion:105 Resp: 1308526
Ion Ratio Lower Upper
105 100
120 50.1 24.7 74.1





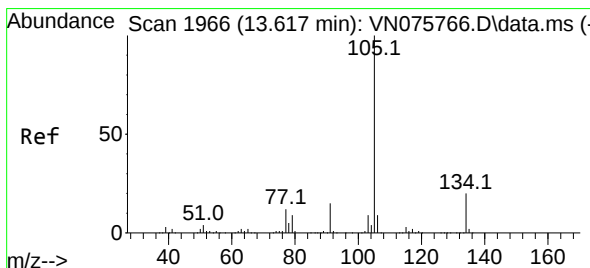
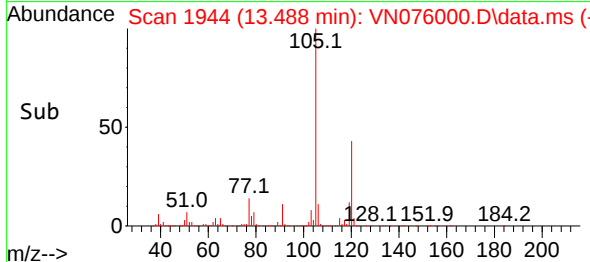
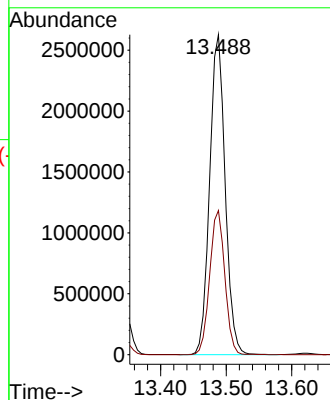
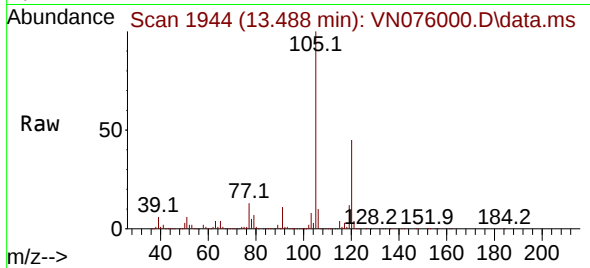
#84
1,2,4-Trimethylbenzene
Concen: 251.594 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
SB-3

Tgt Ion:105 Resp: 432020
Ion Ratio Lower Upper
105 100
120 44.0 23.3 69.8

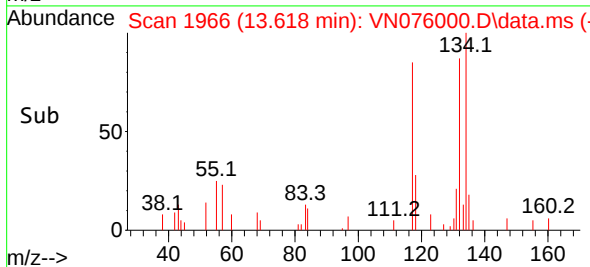
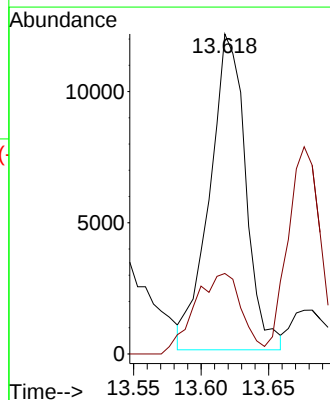
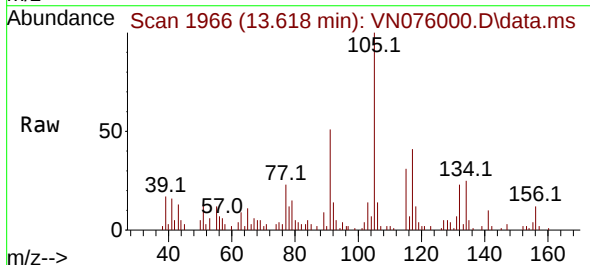
Manual Integrations
APPROVED

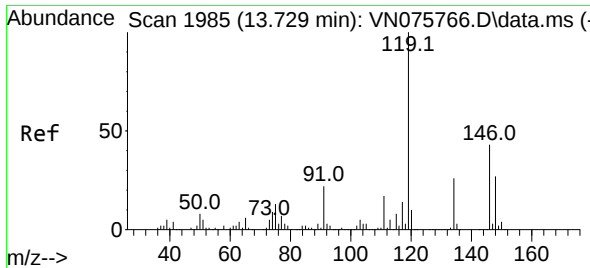
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#85
sec-Butylbenzene
Concen: 1.064 ug/l m
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

Tgt Ion:105 Resp: 22404
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





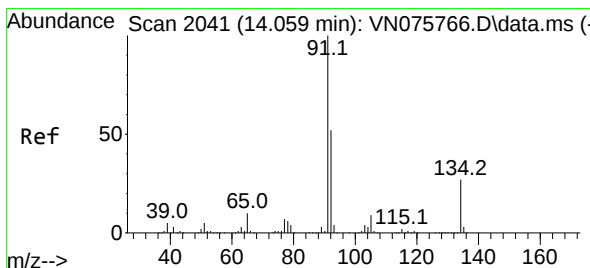
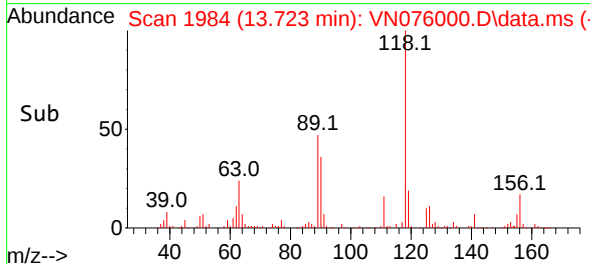
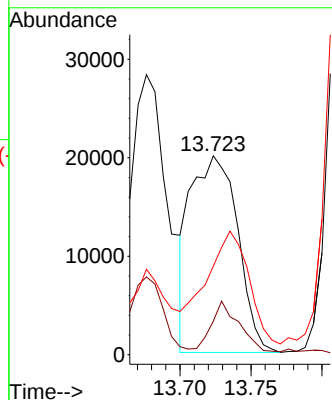
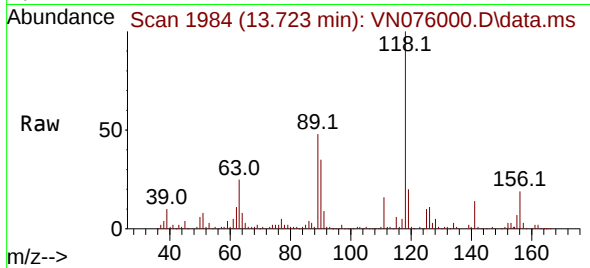
#86
p-Isopropyltoluene
Concen: 2.621 ug/l
RT: 13.723 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

Instrument : MSVOA_N
ClientSampleId : SB-3

Tgt Ion:119 Resp: 4594
Ion Ratio Lower Upper
119 100
134 15.5 13.0 39.0
91 52.7 11.2 33.6

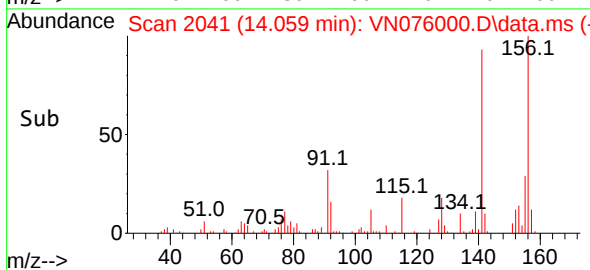
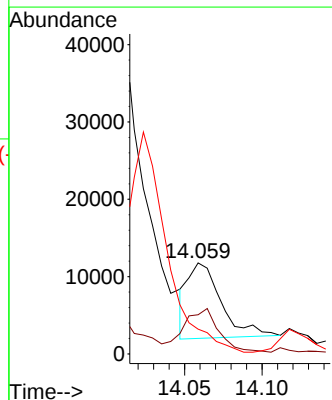
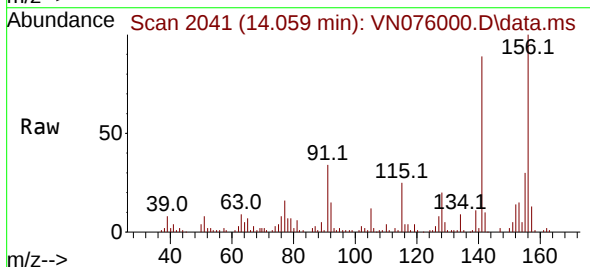
Manual Integrations
APPROVED

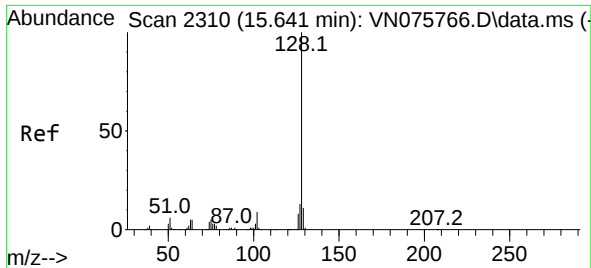
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#89
n-Butylbenzene
Concen: 1.023 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

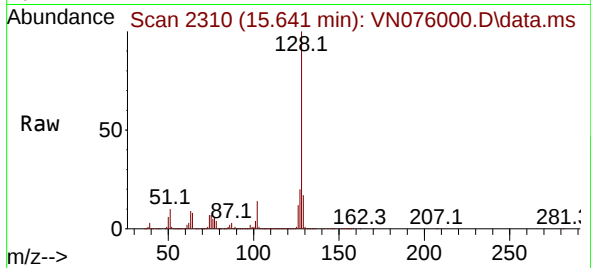
Tgt Ion: 91 Resp: 14528
Ion Ratio Lower Upper
91 100
92 61.8 26.4 79.2
134 0.0 13.4 40.2#





#95
Naphthalene
Concen: 1276.595 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076000.D
Acq: 28 Dec 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion:128 Resp:20753290
Ion Ratio Lower Upper
128 100
127 16.6 10.4 15.6
129 14.2 8.7 13.1

Manual Integrations
APPROVED

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

