

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN075999.D
 Acq On : 28 Dec 2022 14:57
 Operator : JC\MD
 Sample : N6213-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-2

Quant Time: Dec 29 04:51:42 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	393831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	587700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	540249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	280888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.594	65	235574	54.983	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	8.177	113	179524	49.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.660%			
50) Toluene-d8	10.571	98	706753	51.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.853	95	267326	59.313	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	9152	15.096	ug/l #	85
16) Acetone	4.442	43	131828	89.257	ug/l	93
18) Methyl Acetate	5.036	43	10991	2.518	ug/l #	45
20) Methylene Chloride	5.289	84	20696	4.657	ug/l	96
25) 2-Butanone	7.494	43	47525	22.981	ug/l	100
31) Cyclohexane	8.265	56	87267	14.222	ug/l #	82
37) Ethyl Acetate	7.571	43	37416	9.635	ug/l	97
39) Methylcyclohexane	9.612	83	63570	10.899	ug/l	93
40) Benzene	8.600	78	27894034m	1869.952	ug/l	
43) Isopropyl Acetate	8.694	43	283791m	44.300	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	29753	7.680	ug/l #	85
52) Toluene	10.629	92	19944791	2052.982	ug/l #	1
67) Ethyl Benzene	11.971	91	3944934	210.795	ug/l	99
68) m/p-Xylenes	12.071	106	10250991	1383.922	ug/l	86
69) o-Xylene	12.406	106	10180630	1388.857	ug/l	77
73) Isopropylbenzene	12.700	105	267647	13.186	ug/l	97
78) n-propylbenzene	13.041	91	578716	25.850	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	2633603	155.022	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	8137272	482.829	ug/l	96
85) sec-Butylbenzene	13.623	105	38417m	1.858	ug/l	
86) p-Isopropyltoluene	13.729	119	78543	4.566	ug/l #	54
89) n-Butylbenzene	14.059	91	31959m	2.293	ug/l	
95) Naphthalene	15.635	128	25463254m	1595.328	ug/l	

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

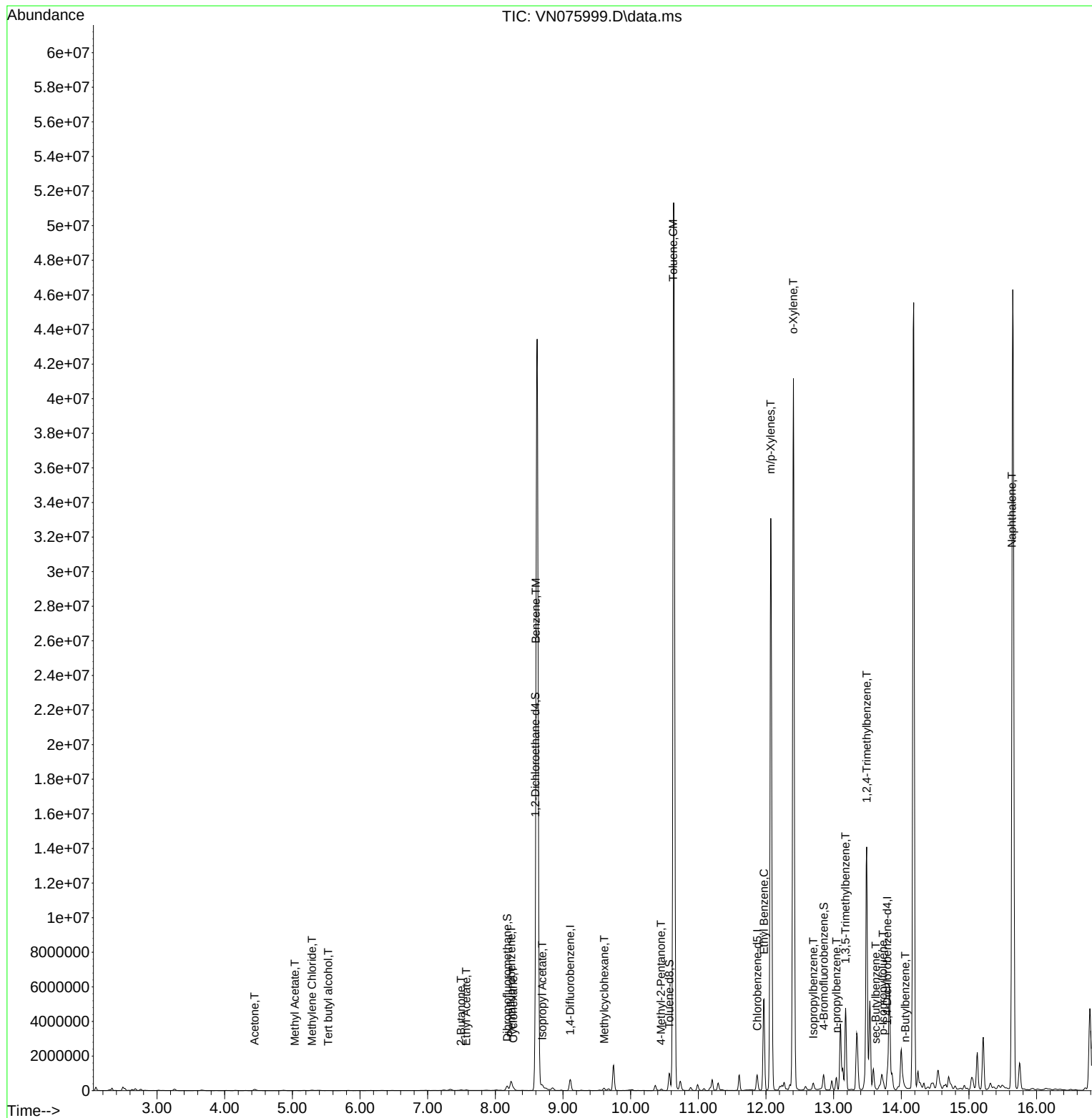
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN075999.D
Acq On : 28 Dec 2022 14:57
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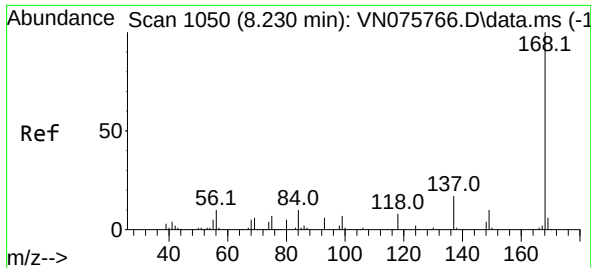
Instrument :
MSVOA_N
ClientSampleId :
SB-2

Quant Time: Dec 29 04:51:42 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

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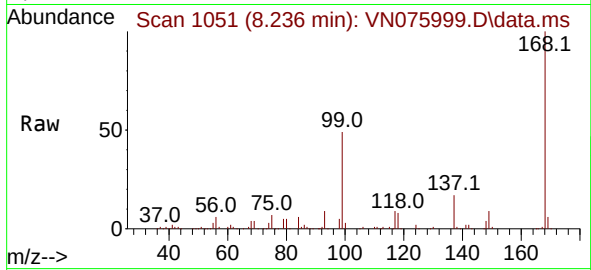
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

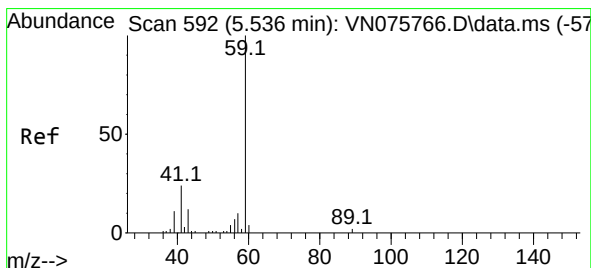
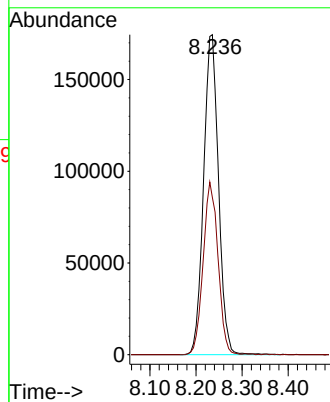
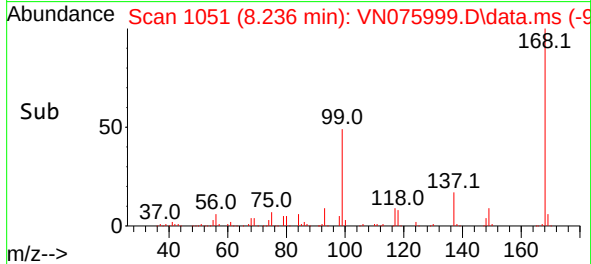
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion:168 Resp: 39383
Ion Ratio Lower Upper
168 100
99 49.2 44.2 66.4

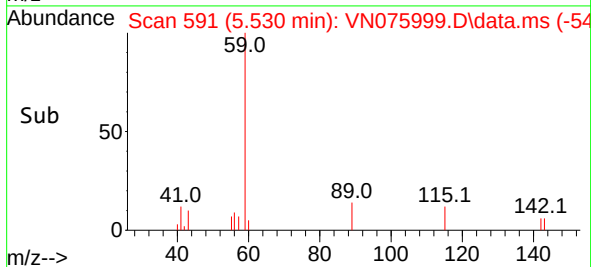
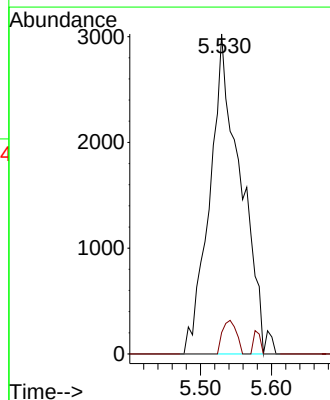
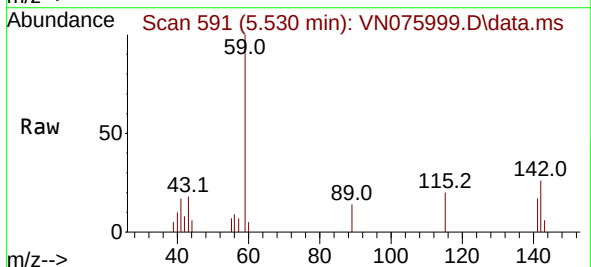
Manual Integrations
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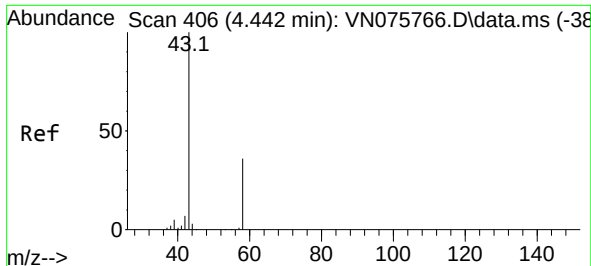
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#11
Tert butyl alcohol
Concen: 15.096 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

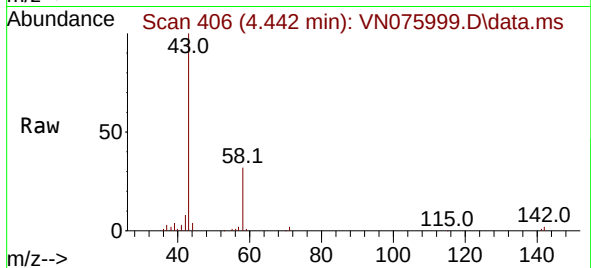
Tgt Ion: 59 Resp: 9152
Ion Ratio Lower Upper
59 100
57 4.7 8.2 12.4#





#16
Acetone
Concen: 89.257 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

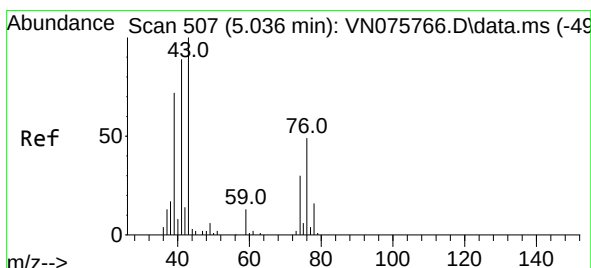
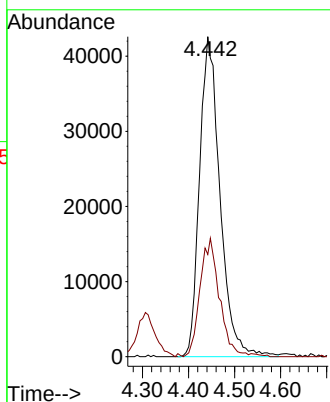
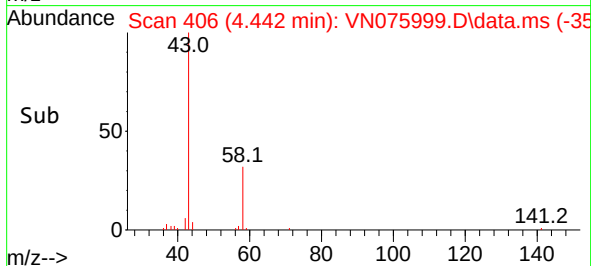
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion: 43 Resp: 131828
Ion Ratio Lower Upper
43 100
58 32.0 28.6 43.0

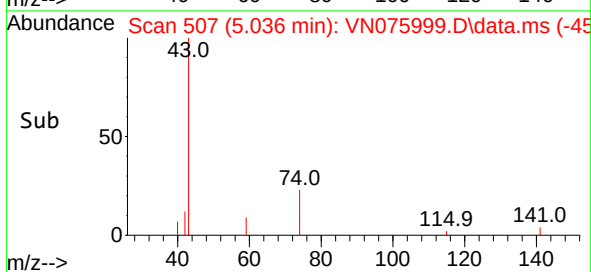
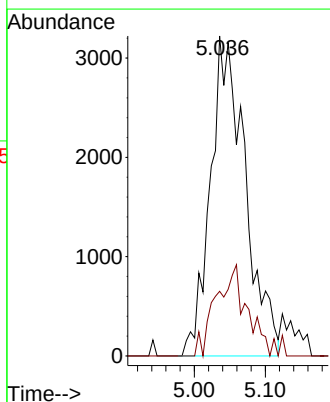
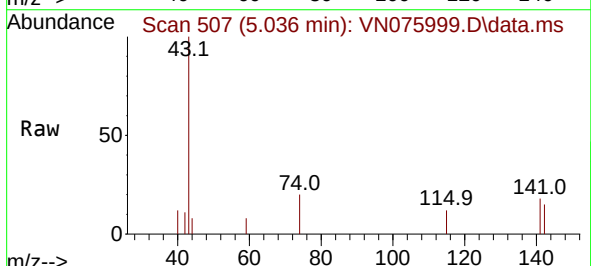
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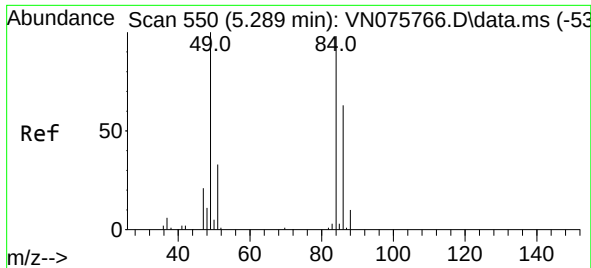
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#18
Methyl Acetate
Concen: 2.518 ug/l
RT: 5.036 min Scan# 507
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

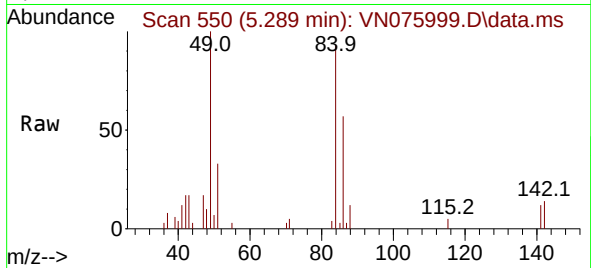
Tgt Ion: 43 Resp: 10991
Ion Ratio Lower Upper
43 100
74 0.0 23.6 35.4#





#20
Methylene Chloride
Concen: 4.657 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

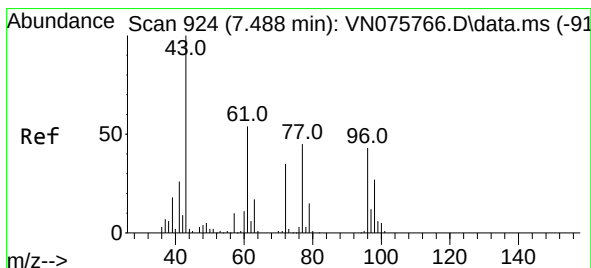
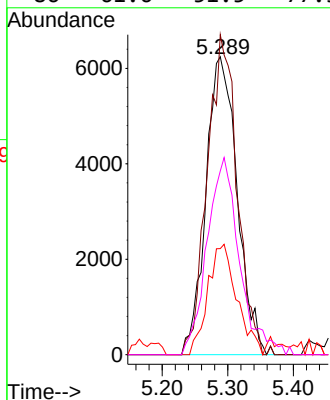
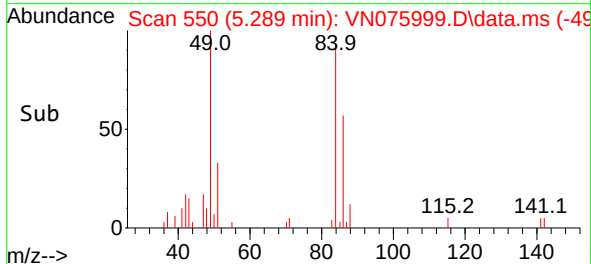
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion: 84 Resp: 20690
Ion Ratio Lower Upper
84 100
49 107.4 81.8 122.6
51 35.6 26.7 40.1
86 61.6 51.5 77.3

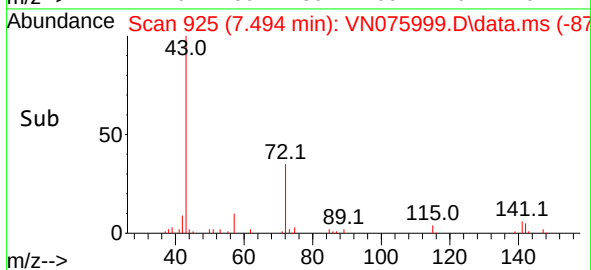
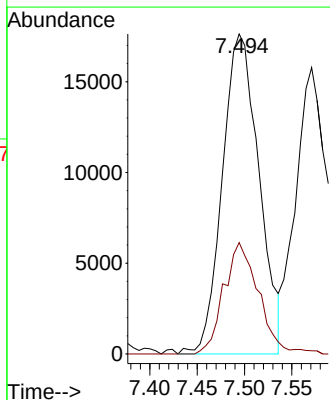
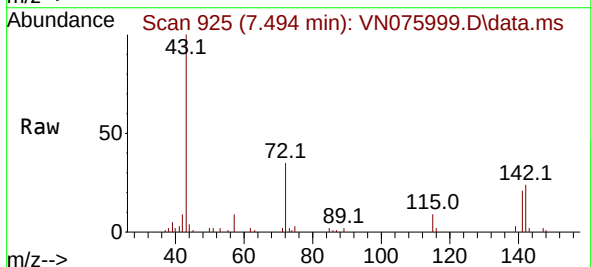
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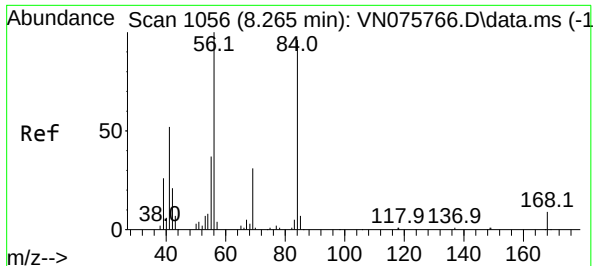
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#25
2-Butanone
Concen: 22.981 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

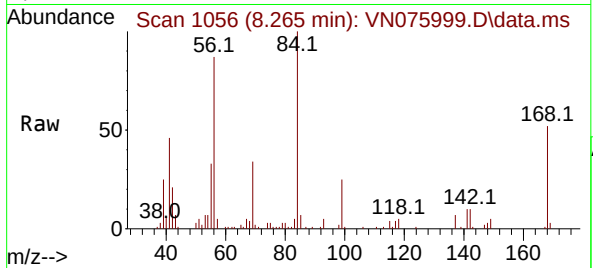
Tgt Ion: 43 Resp: 47525
Ion Ratio Lower Upper
43 100
72 34.8 28.0 42.0





#31
Cyclohexane
Concen: 14.222 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

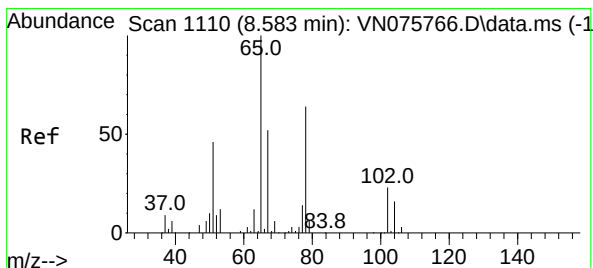
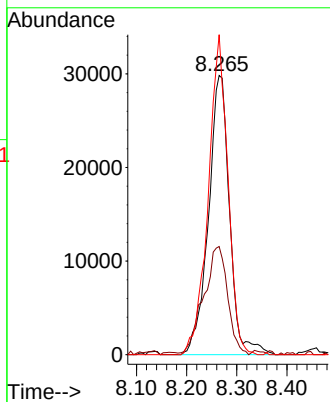
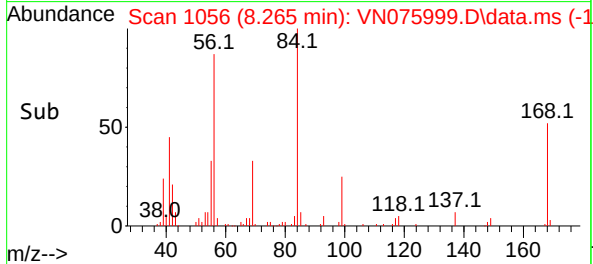
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion: 56 Resp: 8726
Ion Ratio Lower Upper
56 100
69 38.8 24.7 37.1
84 114.6 76.5 114.7

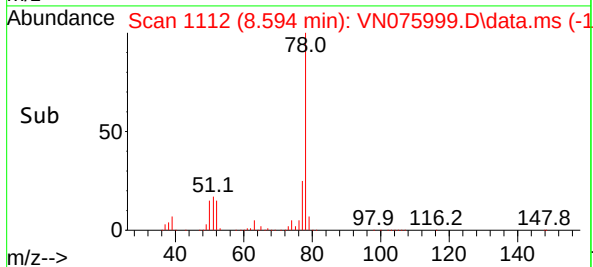
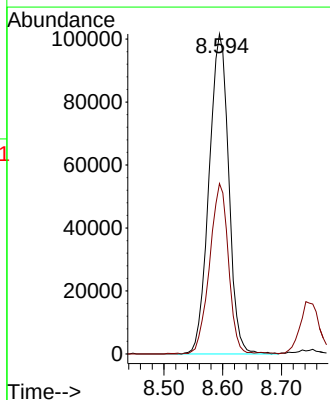
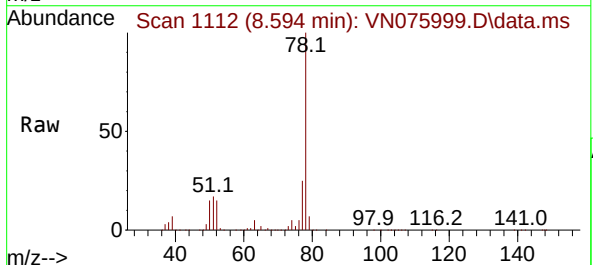
Manual Integrations
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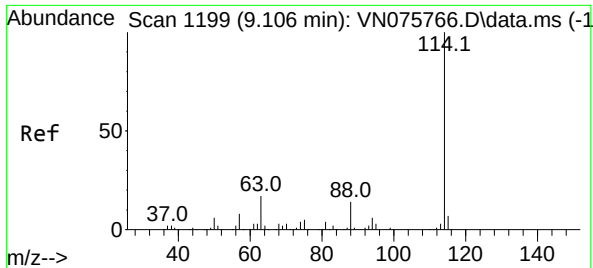
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#33
1,2-Dichloroethane-d4
Concen: 54.983 ug/l
RT: 8.594 min Scan# 1112
Delta R.T. 0.012 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

Tgt Ion: 65 Resp: 235574
Ion Ratio Lower Upper
65 100
67 51.1 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: VN075999.D

Acq: 28 Dec 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

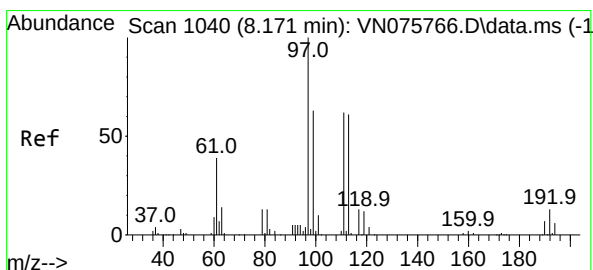
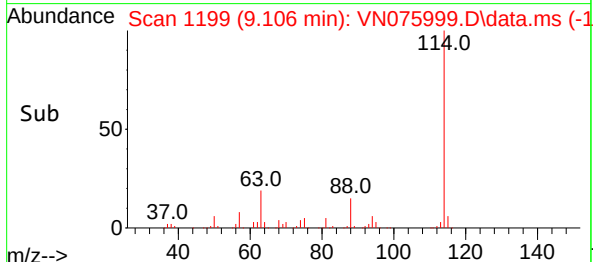
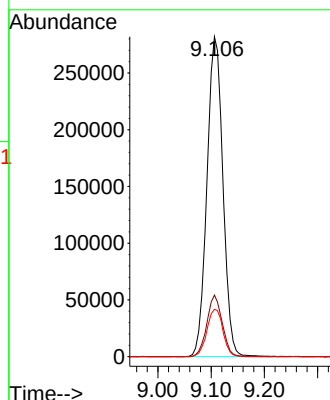
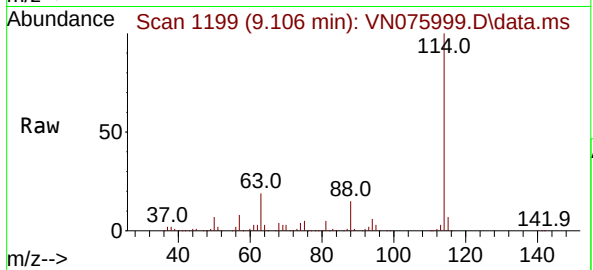
SB-2

Tgt Ion:	114	Resp:	587700
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	34.4
88	14.8	0.0	28.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 49.326 ug/l

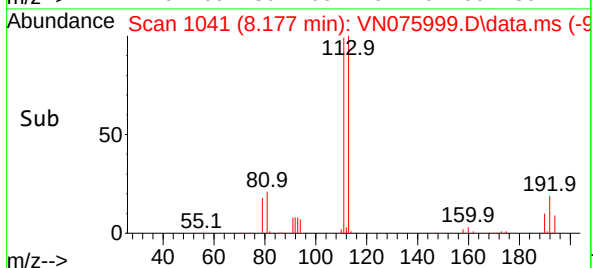
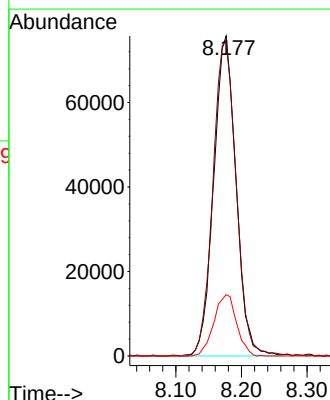
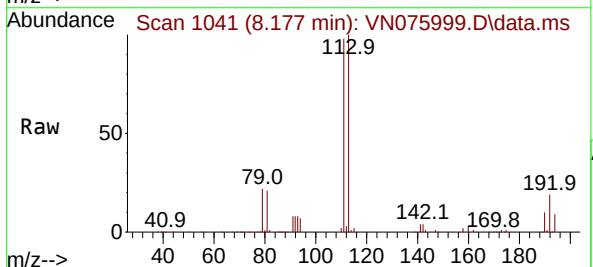
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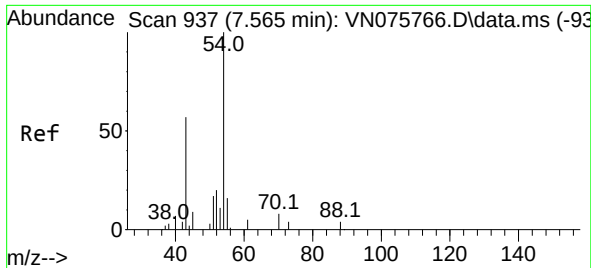
Delta R.T. 0.006 min

Lab File: VN075999.D

Acq: 28 Dec 2022 14:57

Tgt Ion:	113	Resp:	179524
Ion Ratio	Lower	Upper	
113	100		
111	102.2	83.4	125.2
192	19.4	16.1	24.1





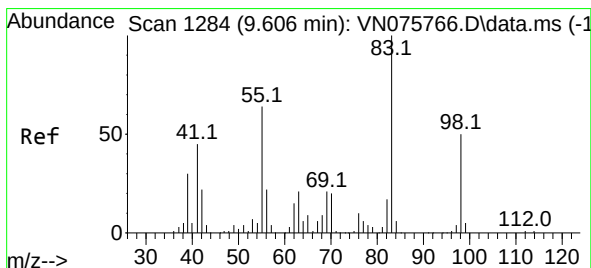
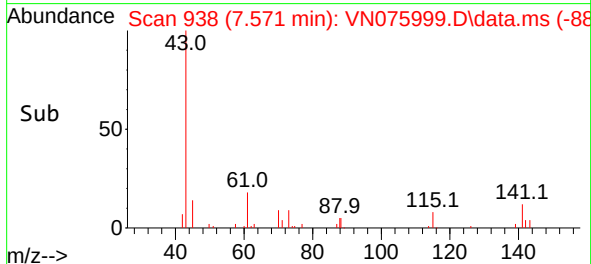
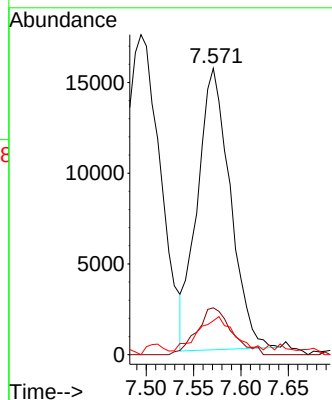
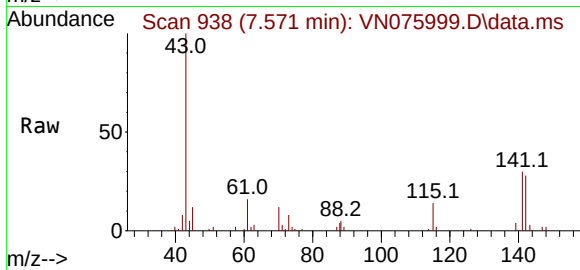
#37
Ethyl Acetate
Concen: 9.635 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
SB-2

Tgt Ion: 43 Resp: 37410
Ion Ratio Lower Upper
43 100
61 17.6 13.0 19.4
70 13.1 9.4 14.0

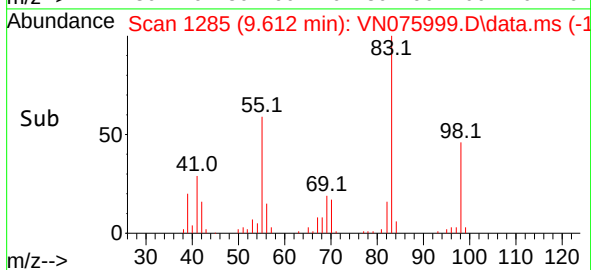
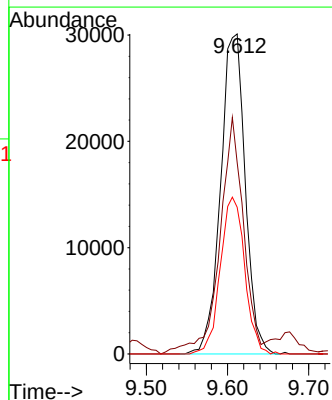
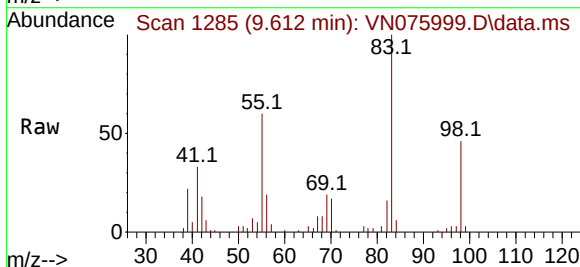
Manual Integrations
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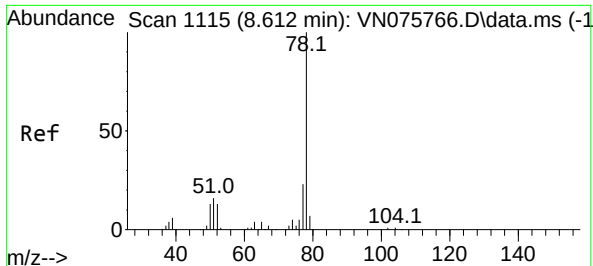
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#39
Methylcyclohexane
Concen: 10.899 ug/l
RT: 9.612 min Scan# 1285
Delta R.T. 0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

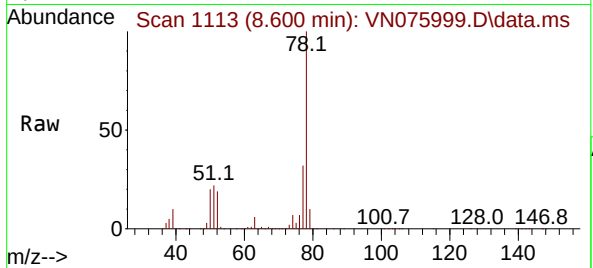
Tgt Ion: 83 Resp: 63570
Ion Ratio Lower Upper
83 100
55 57.4 51.4 77.0
98 45.8 39.8 59.8





#40
Benzene
Concen: 1869.952 ug/l m
RT: 8.600 min Scan# 1113
Delta R.T. -0.012 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

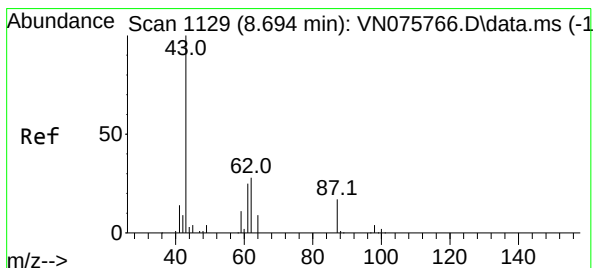
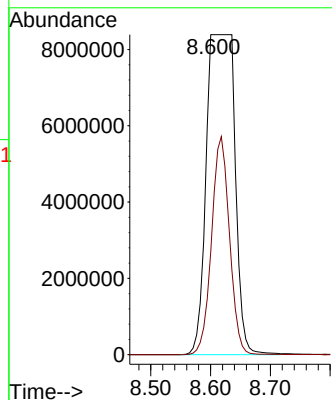
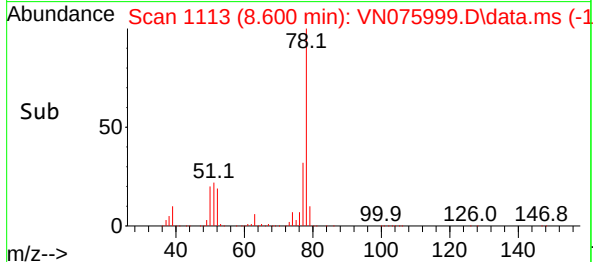
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion: 78 Resp: 27894034
Ion Ratio Lower Upper
78 100
77 32.1 18.5 27.7

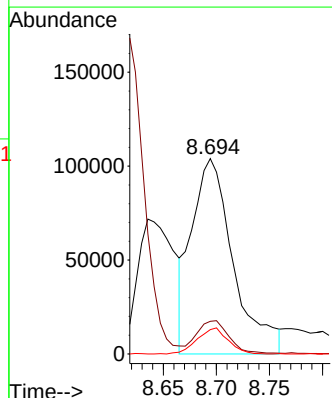
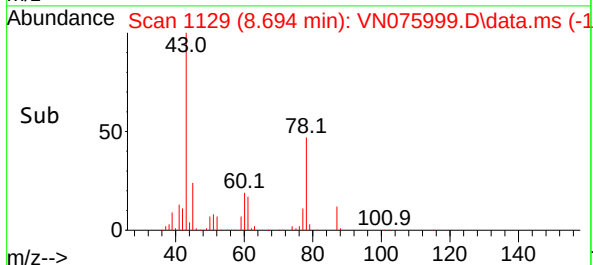
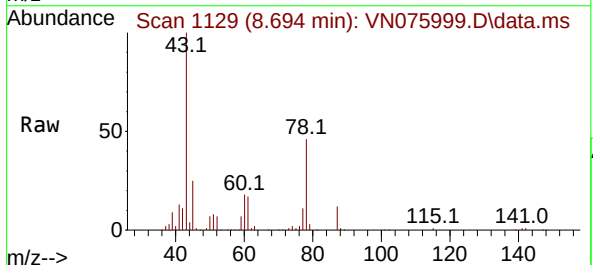
Manual Integrations
APPROVED

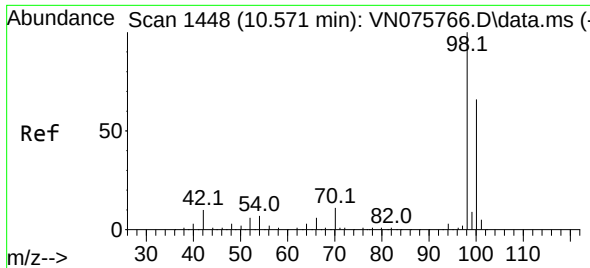
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#43
Isopropyl Acetate
Concen: 44.300 ug/l m
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

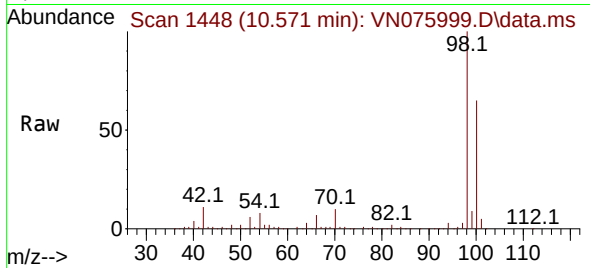
Tgt Ion: 43 Resp: 283791
Ion Ratio Lower Upper
43 100
61 12.6 24.2 36.4#
87 9.8 13.3 19.9#





#50
Toluene-d8
Concen: 51.937 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

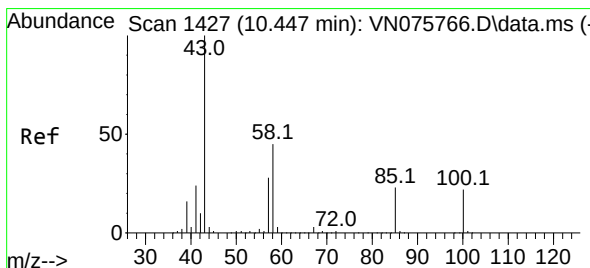
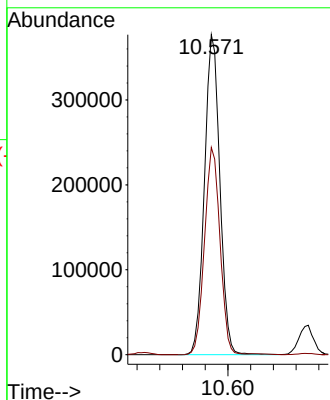
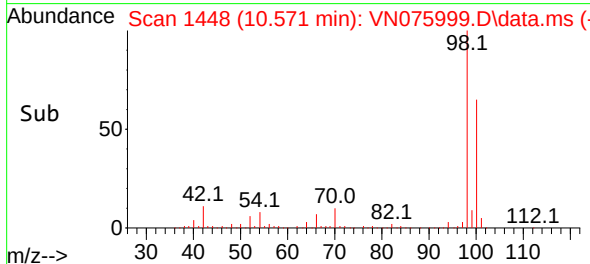
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion: 98 Resp: 706753
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

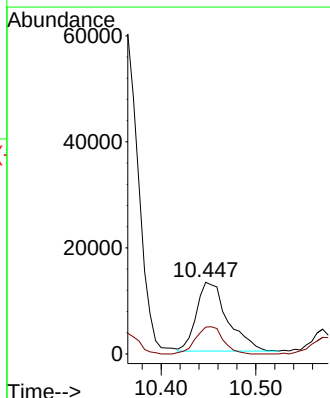
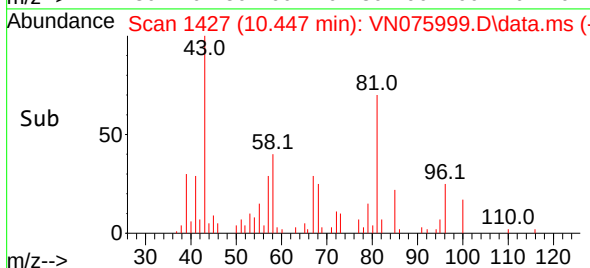
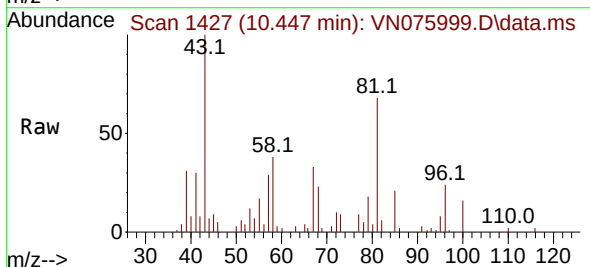
Manual Integrations
APPROVED

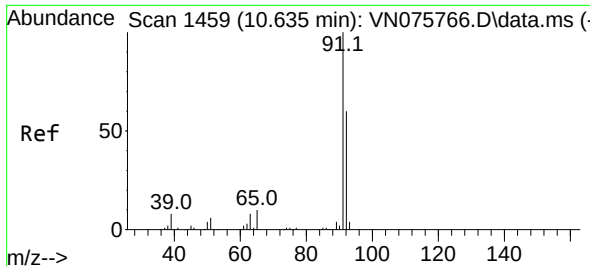
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#51
4-Methyl-2-Pentanone
Concen: 7.680 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

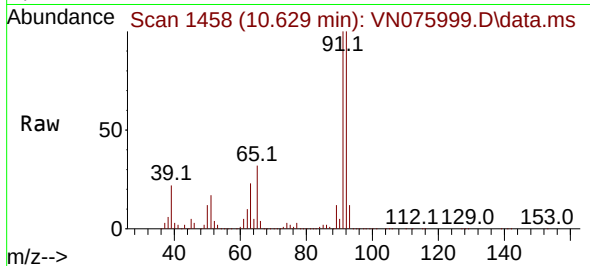
Tgt Ion: 43 Resp: 29753
Ion Ratio Lower Upper
43 100
58 34.7 35.5 53.3#





#52
Toluene
Concen: 2052.982 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

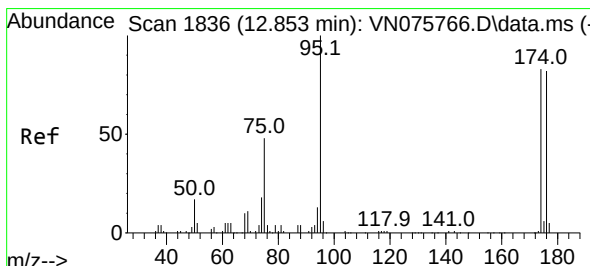
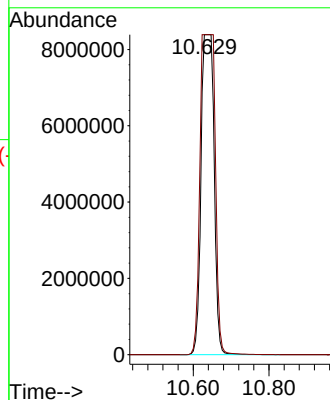
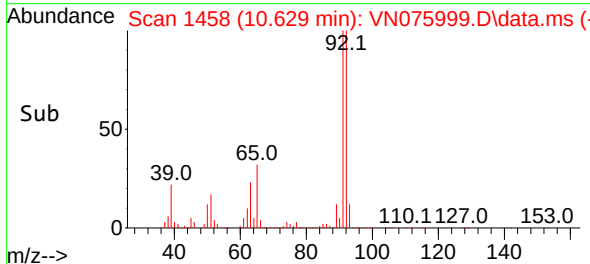
Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion: 92 Resp:1994479
Ion Ratio Lower Upper
92 100
91 0.0 137.3 205.9

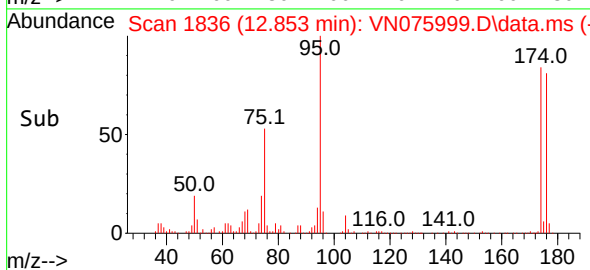
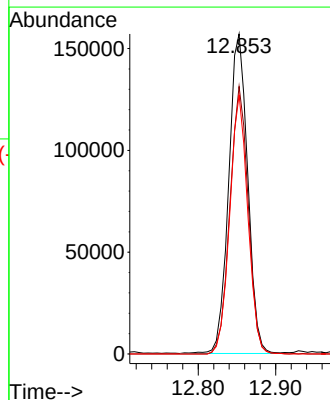
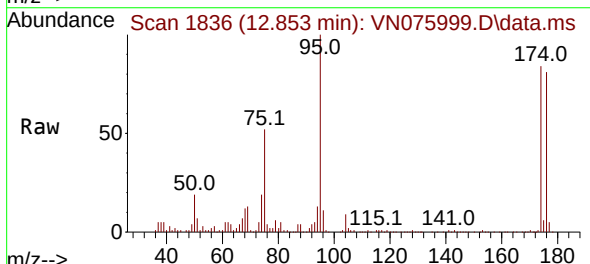
Manual Integrations
APPROVED

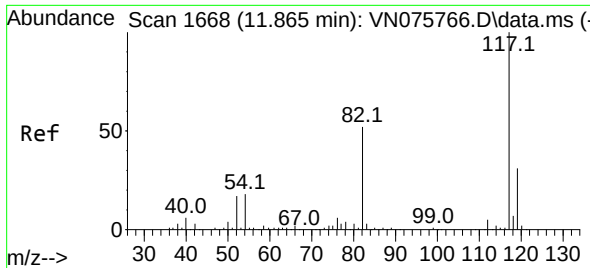
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#62
4-Bromofluorobenzene
Concen: 59.313 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

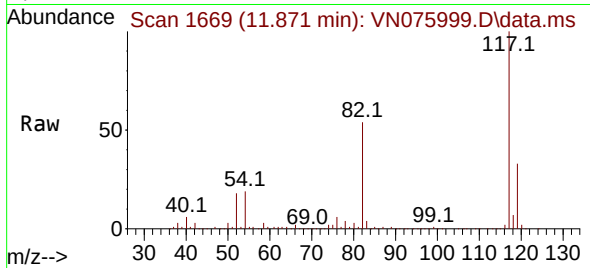
Tgt Ion: 95 Resp: 267326
Ion Ratio Lower Upper
95 100
174 81.0 0.0 171.6
176 77.0 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

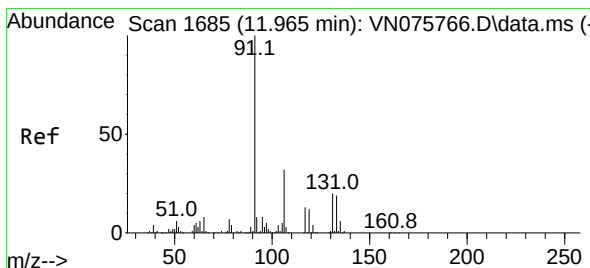
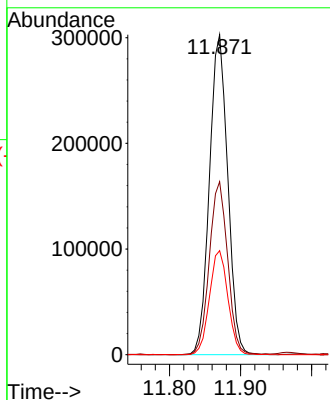
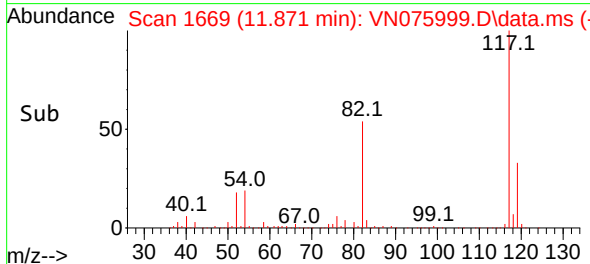
Instrument :
MSVOA_N
ClientSampleId :
SB-2



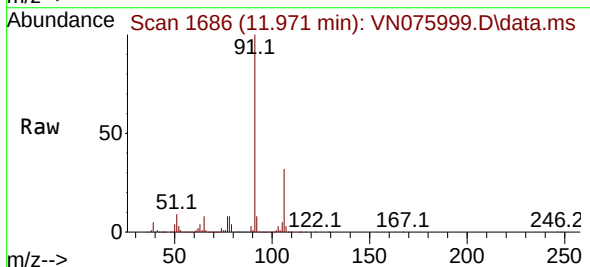
Tgt Ion:117 Resp: 540249
Ion Ratio Lower Upper
117 100
82 54.0 41.3 61.9
119 32.5 24.6 37.0

Manual Integrations
APPROVED

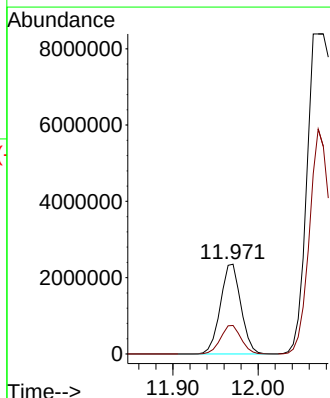
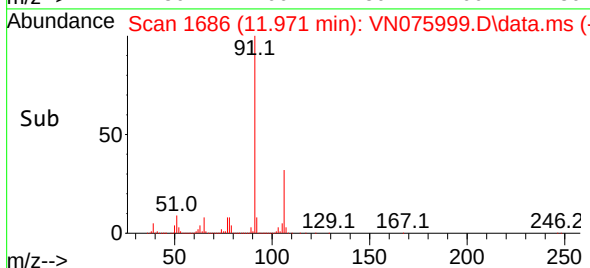
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

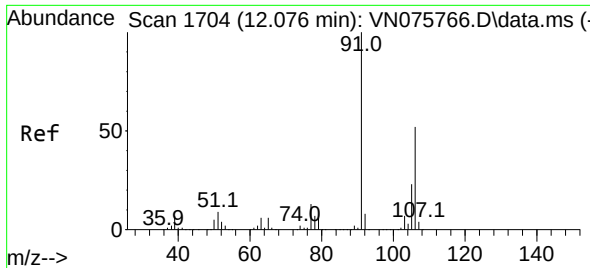


#67
Ethyl Benzene
Concen: 210.795 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57



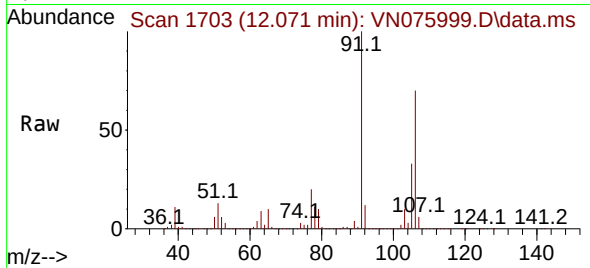
Tgt Ion: 91 Resp: 3944934
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5





#68
m/p-Xylenes
Concen: 1383.922 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

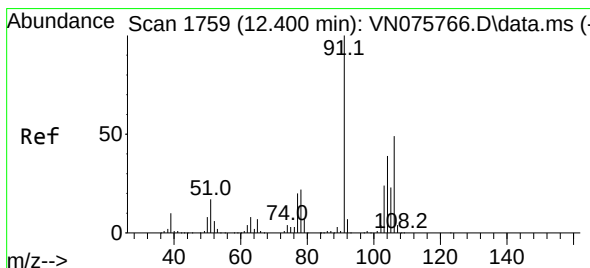
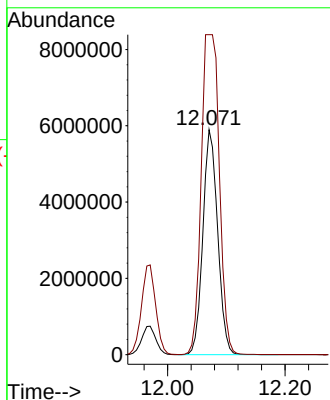
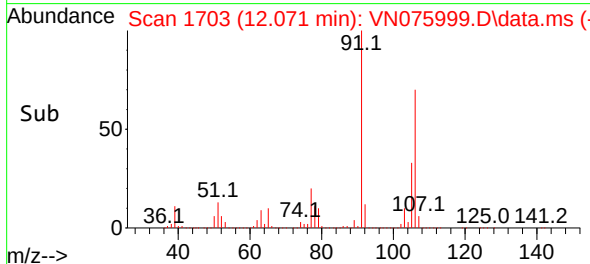
Instrument :
MSVOA_N
ClientSampleId :
SB-2



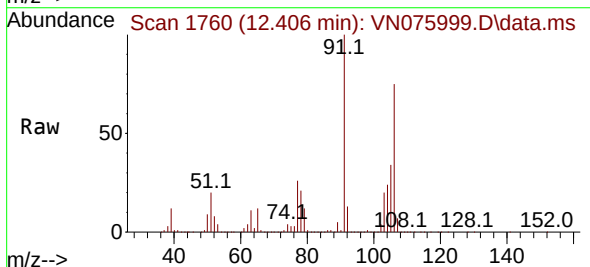
Tgt Ion:106 Resp:1025099
Ion Ratio Lower Upper
106 100
91 174.3 156.6 235.0

Manual Integrations
APPROVED

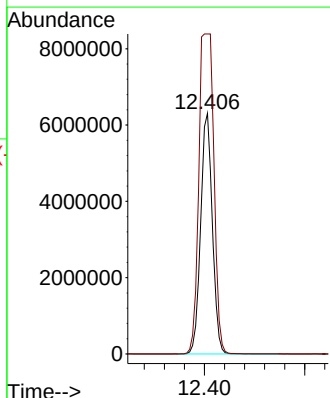
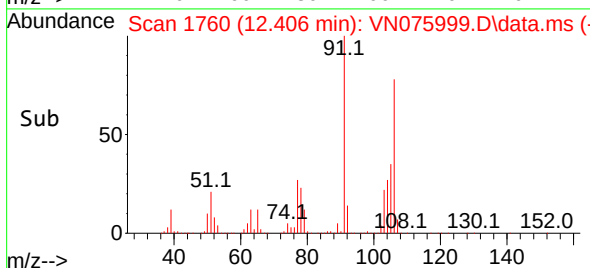
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

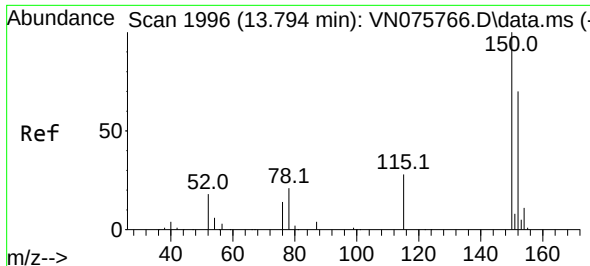


#69
o-Xylene
Concen: 1388.857 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57



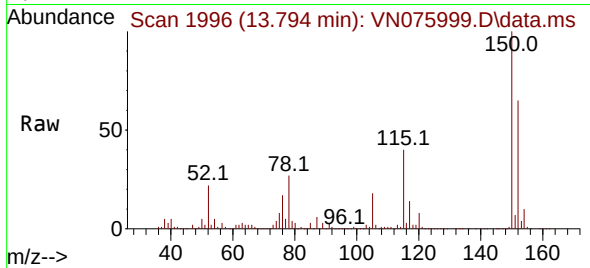
Tgt Ion:106 Resp:10180630
Ion Ratio Lower Upper
106 100
91 172.5 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

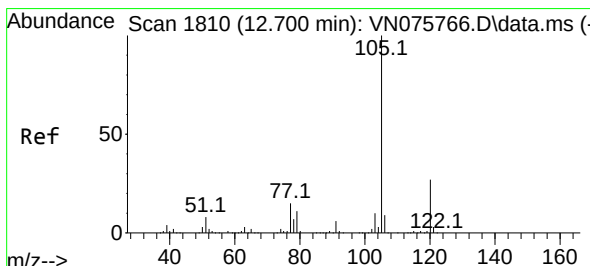
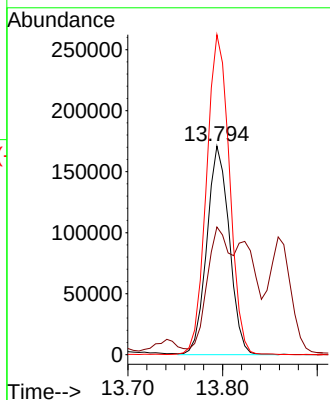
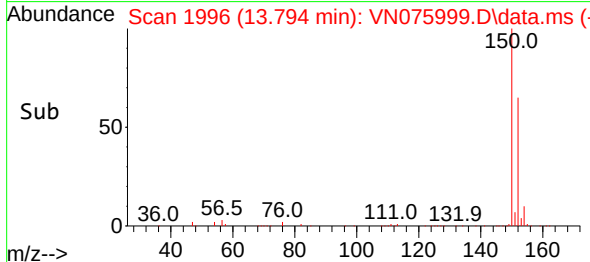
Instrument :
MSVOA_N
ClientSampleId :
SB-2



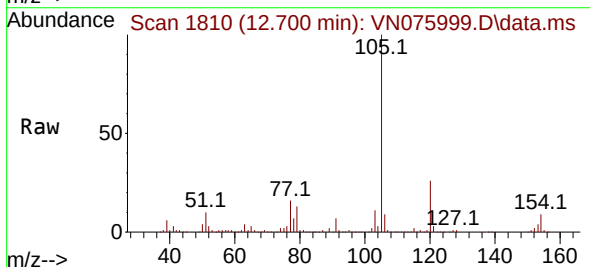
Tgt Ion:152 Resp: 28088
Ion Ratio Lower Upper
152 100
115 62.7 29.1 87.4
150 157.7 0.0 347.0

Manual Integrations
APPROVED

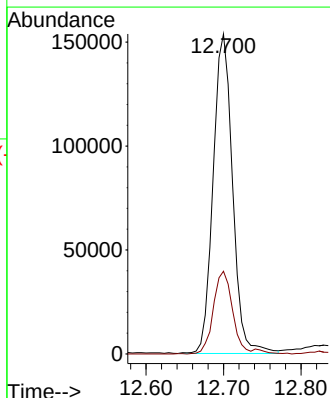
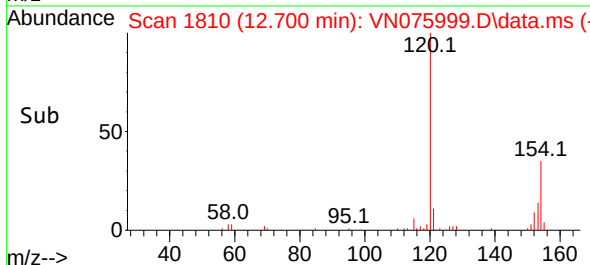
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

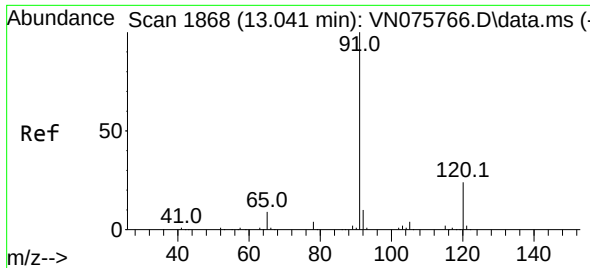


#73
Isopropylbenzene
Concen: 13.186 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57



Tgt Ion:105 Resp: 267647
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.2





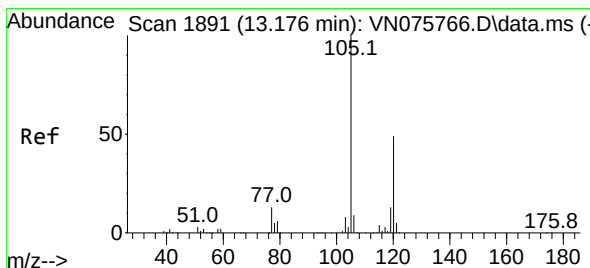
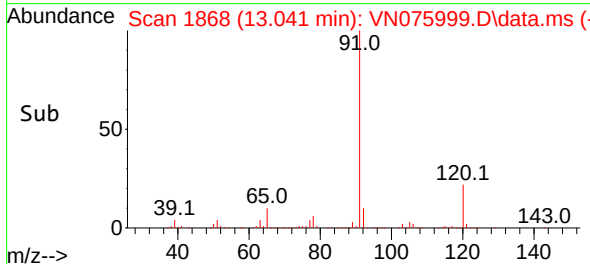
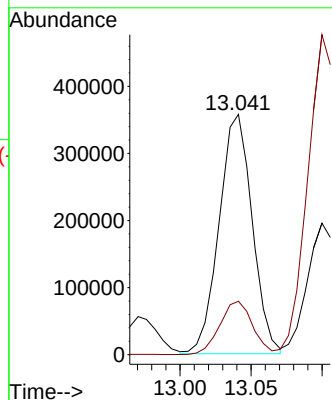
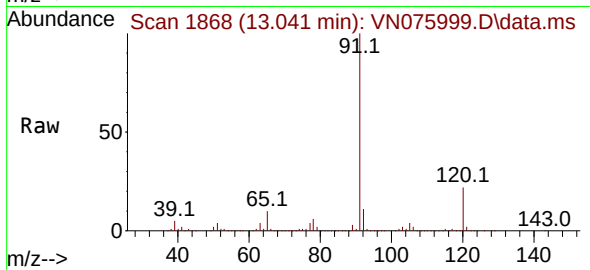
#78
n-propylbenzene
Concen: 25.850 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
SB-2

Tgt Ion: 91 Resp: 578710
Ion Ratio Lower Upper
91 100
120 22.0 12.0 36.1

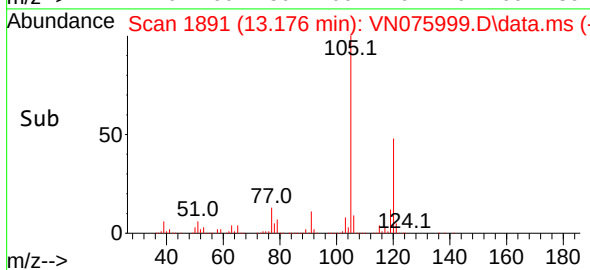
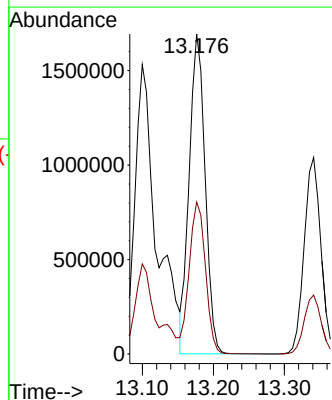
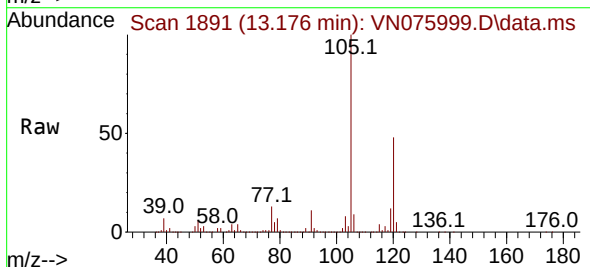
Manual Integrations
APPROVED

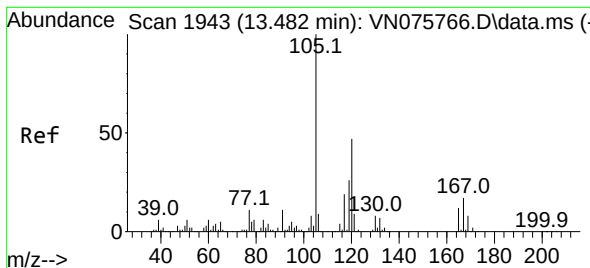
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#80
1,3,5-Trimethylbenzene
Concen: 155.022 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

Tgt Ion:105 Resp: 2633603
Ion Ratio Lower Upper
105 100
120 49.6 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 482.829 ug/l

RT: 13.488 min Scan# 1943

Delta R.T. 0.006 min

Lab File: VN075999.D

Acq: 28 Dec 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

SB-2

Tgt Ion:105 Resp: 813727

Ion Ratio Lower Upper

105 100

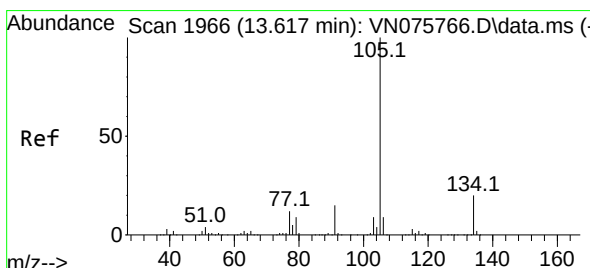
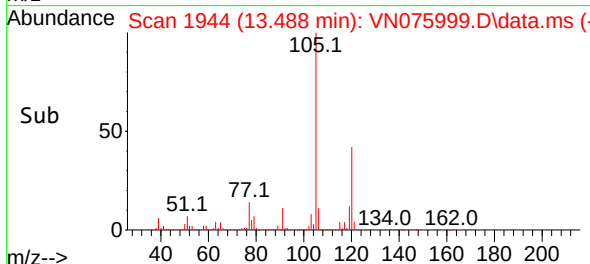
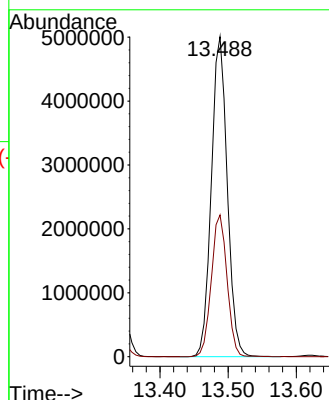
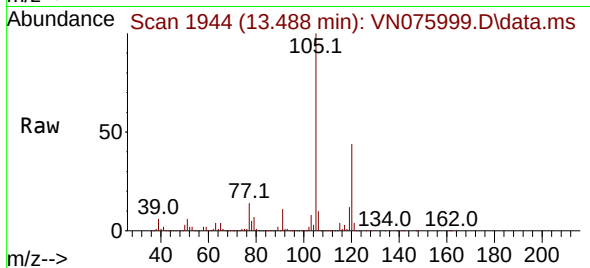
120 43.7 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/29/2022

Supervised By :Mahesh Dadoda 12/31/2022



#85

sec-Butylbenzene

Concen: 1.858 ug/l m

RT: 13.623 min Scan# 1967

Delta R.T. 0.006 min

Lab File: VN075999.D

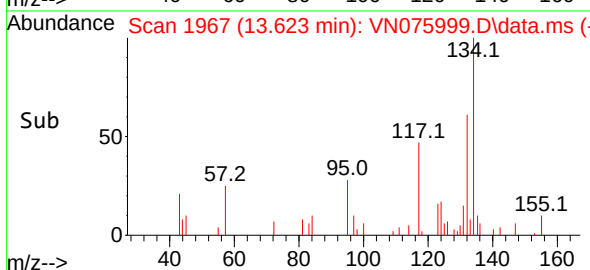
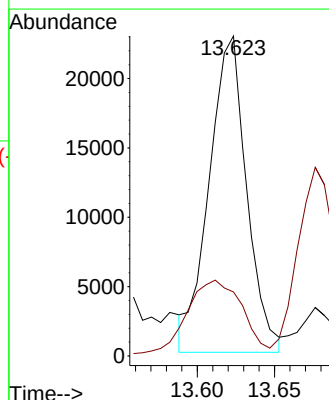
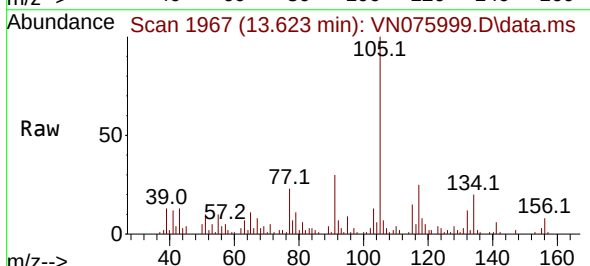
Acq: 28 Dec 2022 14:57

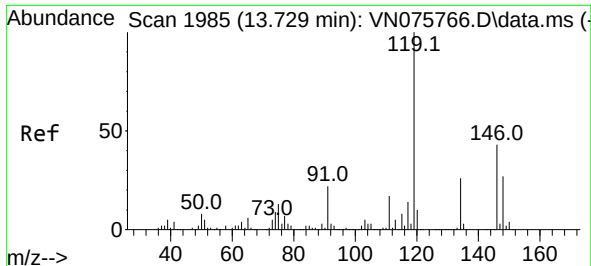
Tgt Ion:105 Resp: 38417

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#





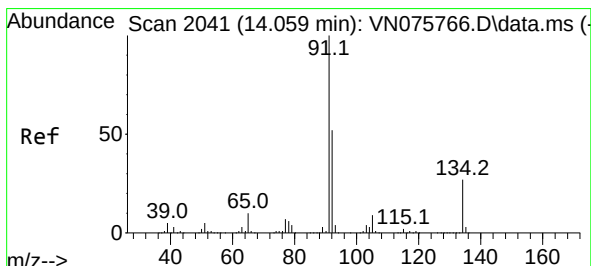
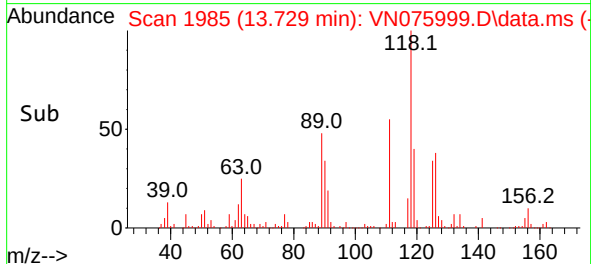
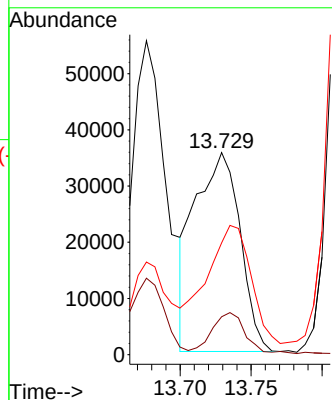
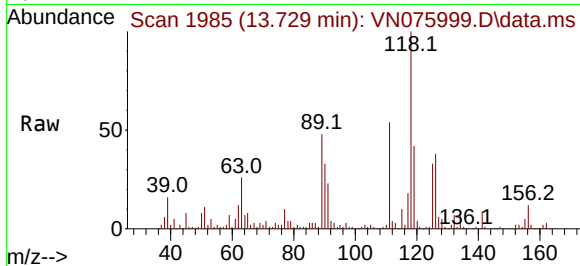
#86
p-Isopropyltoluene
Concen: 4.566 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
SB-2

Tgt Ion: 119 Resp: 7854
Ion Ratio Lower Upper
119 100
134 15.1 13.0 39.0
91 58.4 11.2 33.6

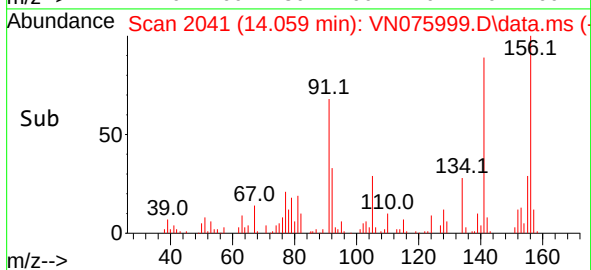
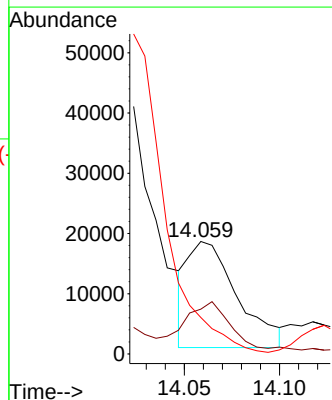
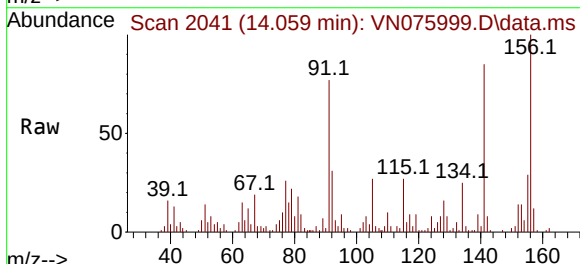
Manual Integrations
APPROVED

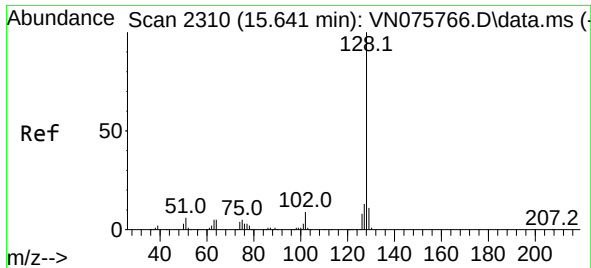
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#89
n-Butylbenzene
Concen: 2.293 ug/l m
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

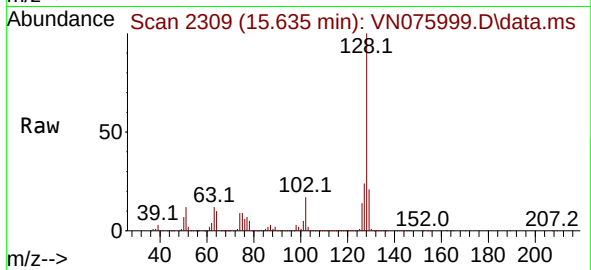
Tgt Ion: 91 Resp: 31959
Ion Ratio Lower Upper
91 100
92 46.2 26.4 79.2
134 0.0 13.4 40.2#





#95
Naphthalene
Concen: 1595.328 ug/l m
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075999.D
Acq: 28 Dec 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
SB-2



Tgt Ion:128 Resp:25463254
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6
129 0.0 8.7 13.1

Manual Integrations
APPROVED

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

