

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077889.D
 Acq On : 25 May 2023 08:11
 Operator : JC\MD
 Sample : 02888-01
 Misc : 4.99g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-H4(BHF)

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 08:36:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	413768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	753914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.877	117	704092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	373366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	263527	42.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.140%		
35) Dibromofluoromethane	8.171	113	219075	44.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.120%		
50) Toluene-d8	10.577	98	1001975	52.951	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.900%		
62) 4-Bromofluorobenzene	12.859	95	403293	60.345	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	120.680%		
Target Compounds						
						Qvalue
31) Cyclohexane	8.253	56	326693m	38.825	ug/l	
39) Methylcyclohexane	9.606	83	1297734	147.416	ug/l	92
40) Benzene	8.612	78	16606982	782.629	ug/l	98
52) Toluene	10.624	92	23369613m	1769.060	ug/l	
67) Ethyl Benzene	11.959	91	22306717m	815.495	ug/l	
68) m/p-Xylenes	12.065	106	21591982m	2083.255	ug/l	
69) o-Xylene	12.406	106	11484689	1126.728	ug/l	71
73) Isopropylbenzene	12.700	105	2132640	66.264	ug/l	100
78) n-propylbenzene	13.041	91	5031530	132.607	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	5687088	210.246	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	15101700	567.671	ug/l	93
85) sec-Butylbenzene	13.624	105	200362m	5.970	ug/l	
86) p-Isopropyltoluene	13.735	119	306238m	11.446	ug/l	
89) n-Butylbenzene	14.065	91	376688	15.307	ug/l #	82

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

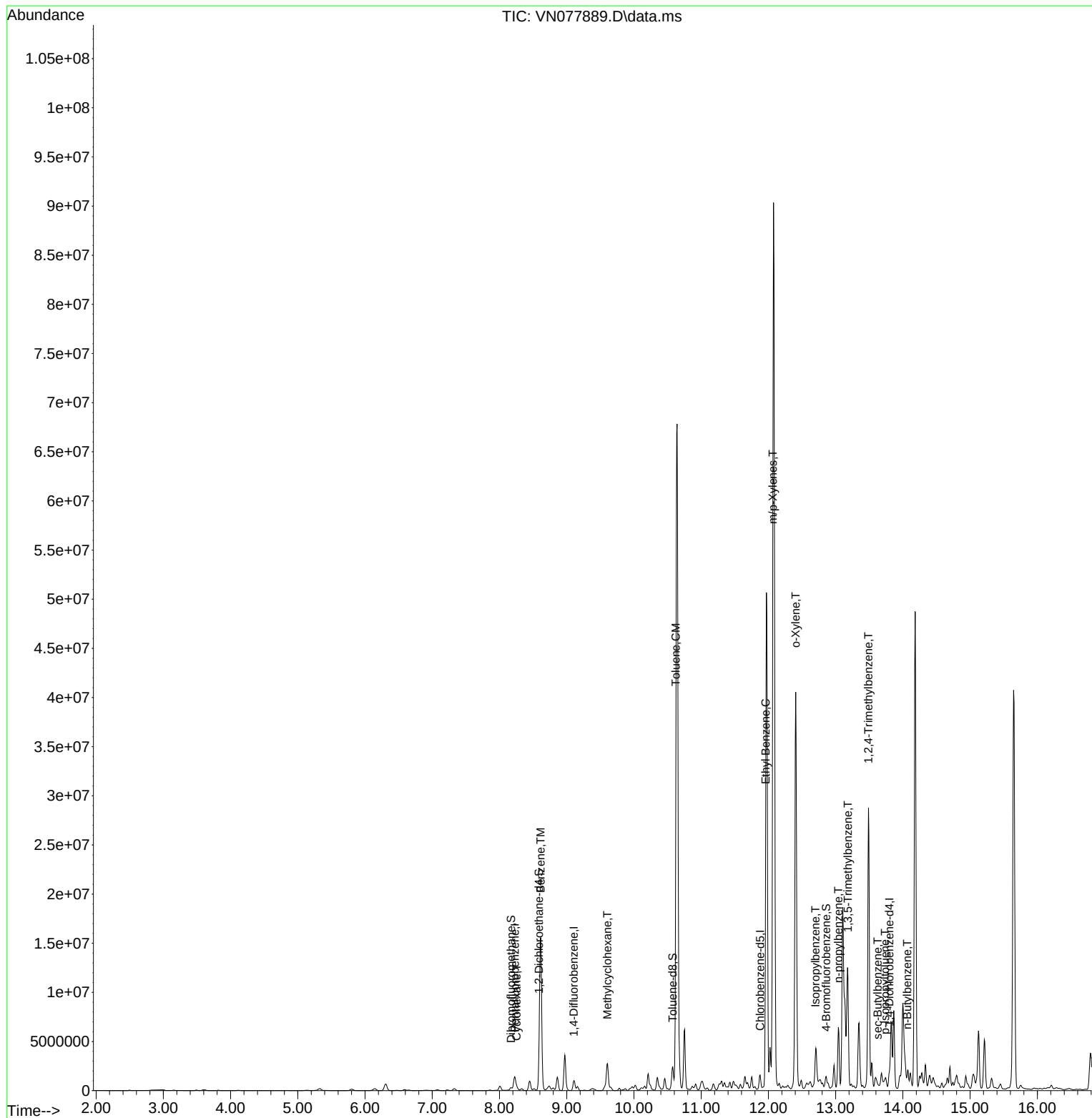
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
Data File : VN077889.D
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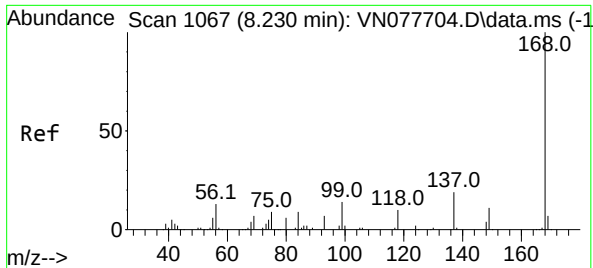
Instrument :
MSVOA_N
ClientSampleId :
S-H4(BHF)

Quant Time: May 25 08:36:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
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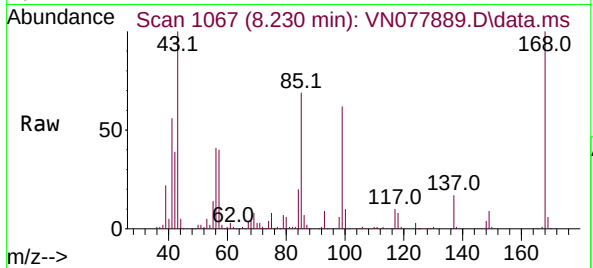
Reviewed By : Semsettin Yesilyurt 05/25/2023
Supervised By : Mahesh Dadoda 05/25/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

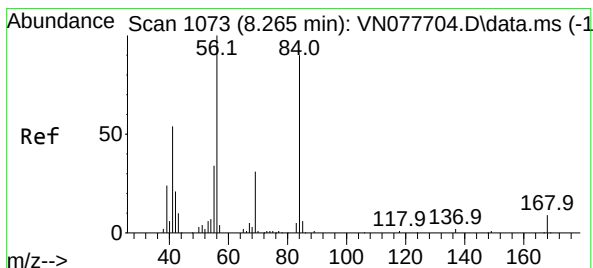
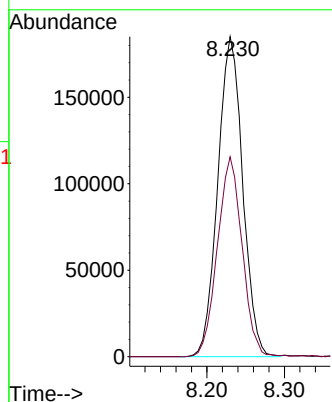
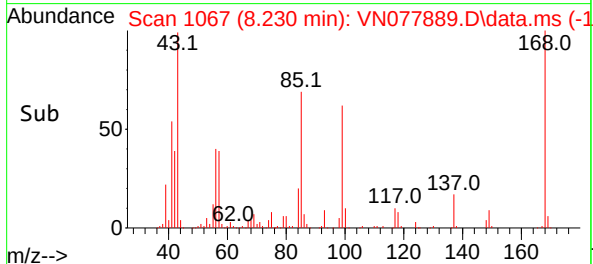
Instrument :
MSVOA_N
Client Sample Id :
S-H4(BHF)



Tgt Ion:168 Resp: 413768
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6

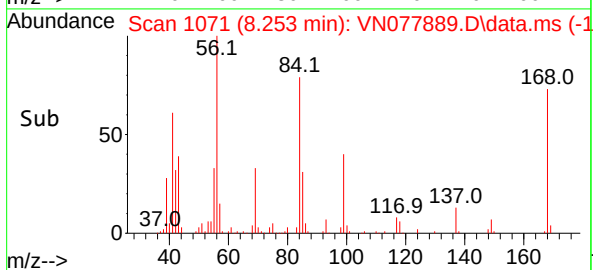
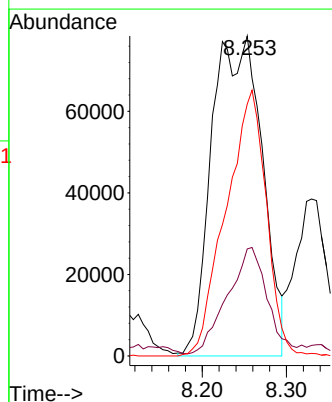
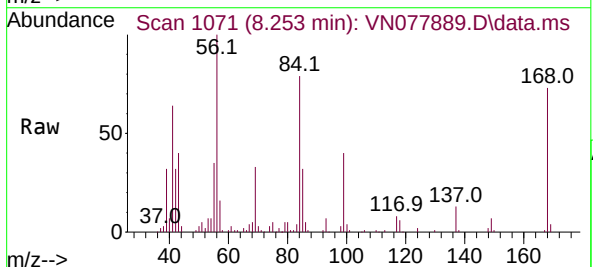
Manual Integrations
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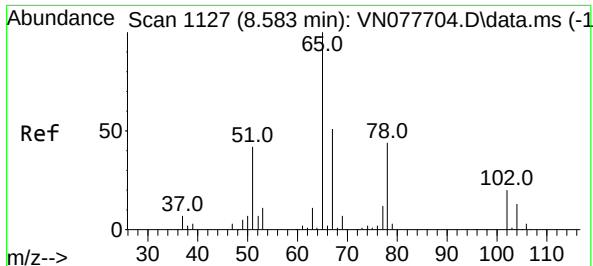
Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#31
Cyclohexane
Concen: 38.825 ug/l m
RT: 8.253 min Scan# 1071
Delta R.T. -0.012 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

Tgt Ion: 56 Resp: 326693
Ion Ratio Lower Upper
56 100
69 33.5 26.8 40.2
84 78.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 42.566 ug/l

RT: 8.589 min Scan# 1127

Delta R.T. 0.007 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

Instrument :

MSVOA_N

ClientSampleId :

S-H4(BHF)

Tgt Ion: 65 Resp: 26352

Ion Ratio Lower Upper

65 100

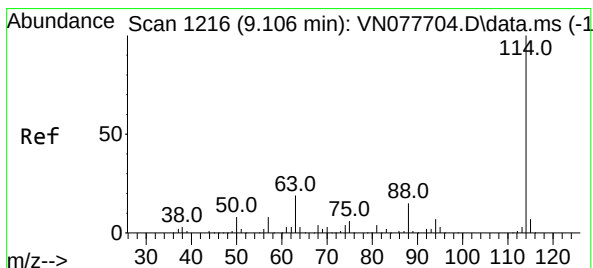
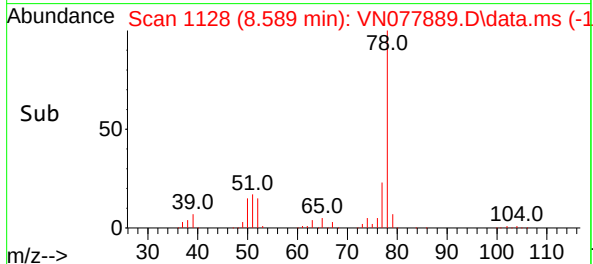
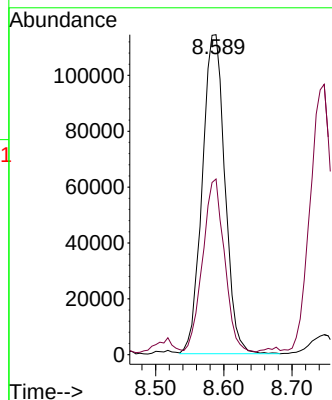
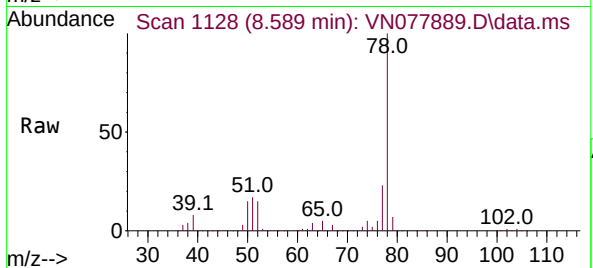
67 52.5 0.0 106.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

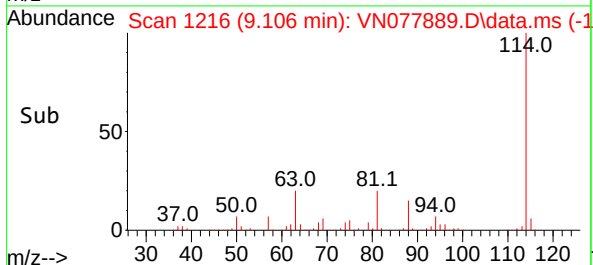
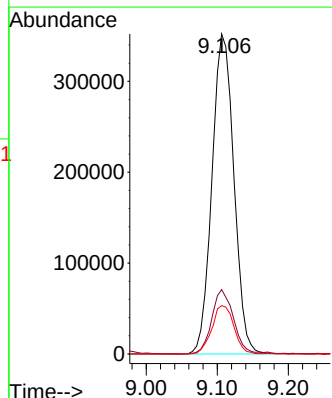
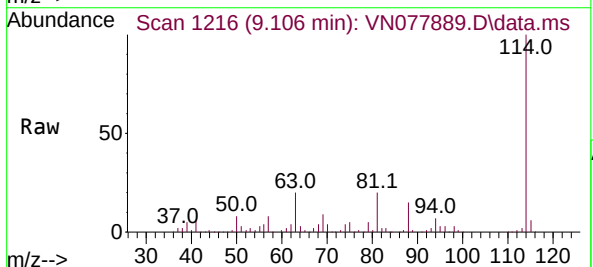
Tgt Ion:114 Resp: 753914

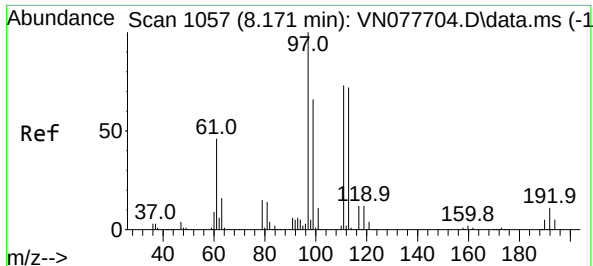
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 44.562 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

Instrument :

MSVOA_N

ClientSampleId :

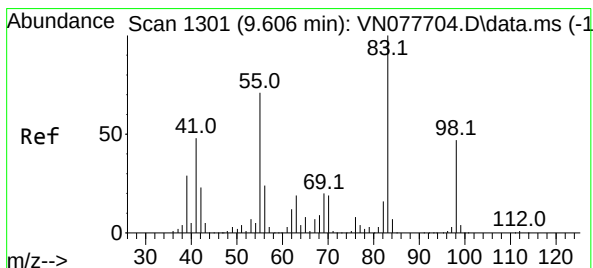
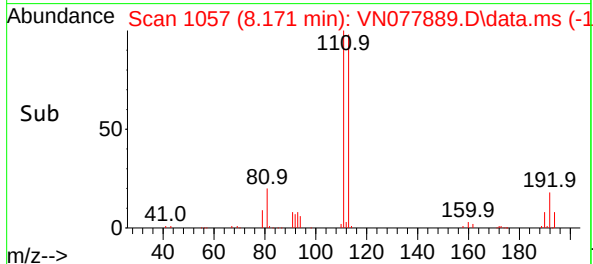
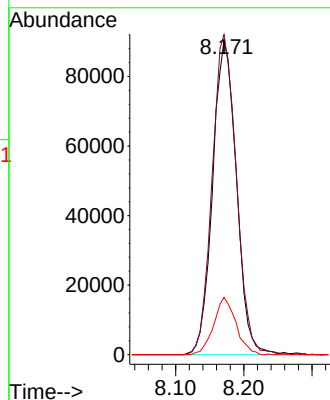
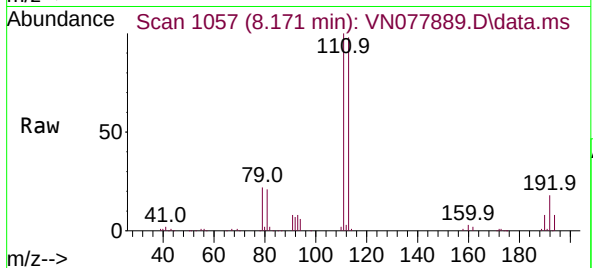
S-H4(BHF)

Tgt Ion:	113	Resp:	21907
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	17.1	12.7	19.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#39

Methylcyclohexane

Concen: 147.416 ug/l

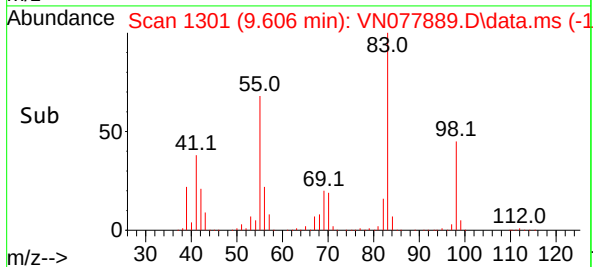
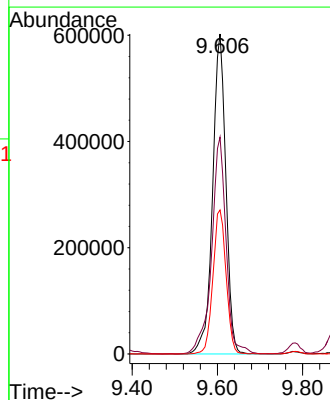
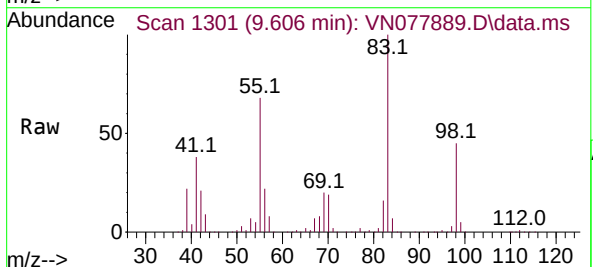
RT: 9.606 min Scan# 1301

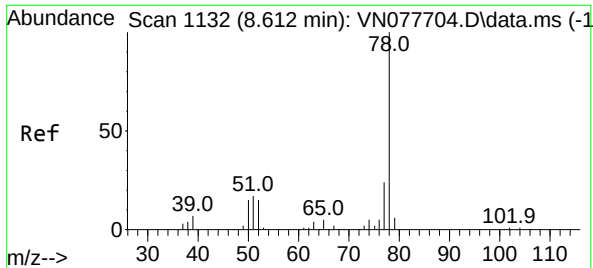
Delta R.T. 0.000 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

Tgt Ion:	83	Resp:	1297734
Ion	Ratio	Lower	Upper
83	100		
55	67.7	49.1	73.7
98	45.0	40.6	61.0





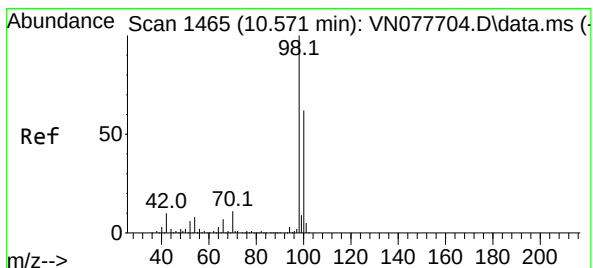
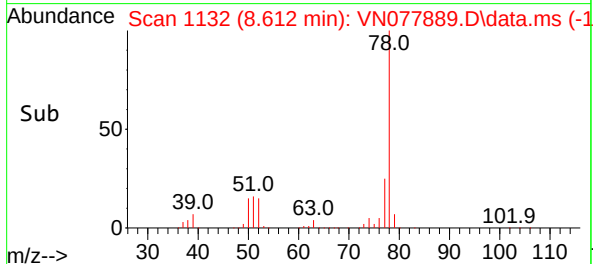
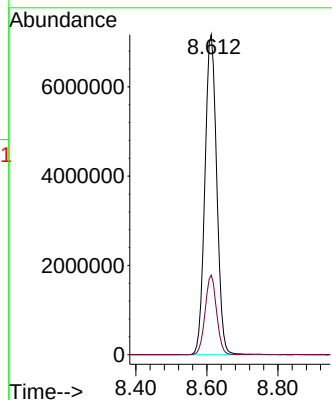
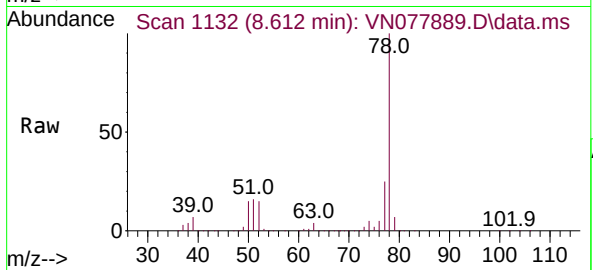
#40
Benzene
Concen: 782.629 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

Instrument :
MSVOA_N
ClientSampleId :
S-H4(BHF)

Tgt Ion: 78 Resp:1660698
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

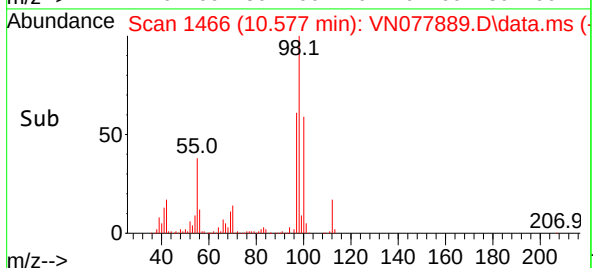
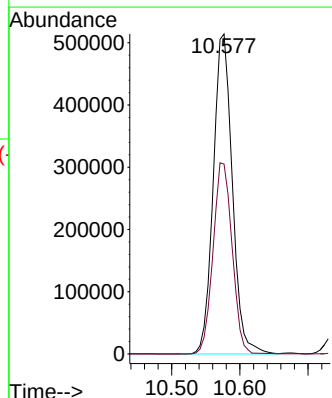
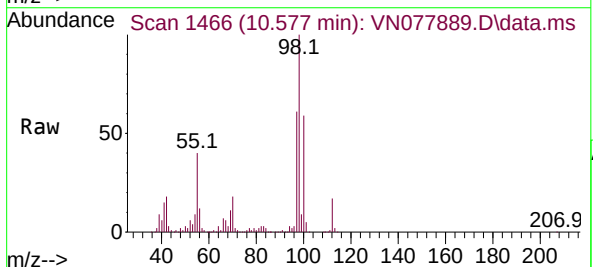
Manual Integrations
APPROVED

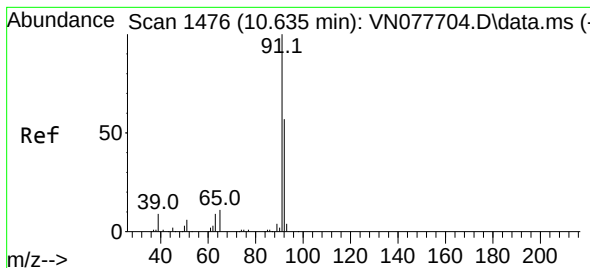
Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#50
Toluene-d8
Concen: 52.951 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

Tgt Ion: 98 Resp: 1001975
Ion Ratio Lower Upper
98 100
100 59.7 52.0 78.0





#52

Toluene

Concen: 1769.060 ug/l m

RT: 10.624 min Scan# 1476

Delta R.T. -0.011 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

Instrument :

MSVOA_N

ClientSampleId :

S-H4(BHF)

Tgt Ion: 92 Resp:2336961

Ion Ratio Lower Upper

92 100

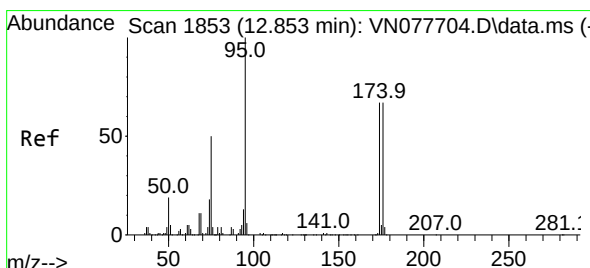
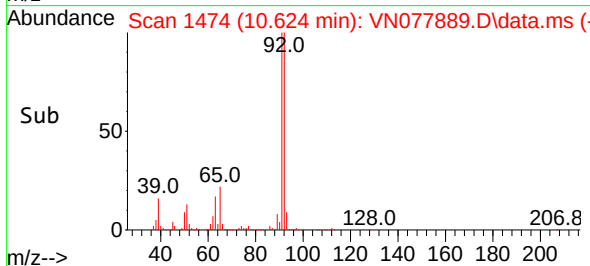
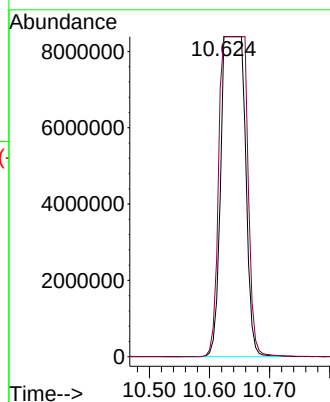
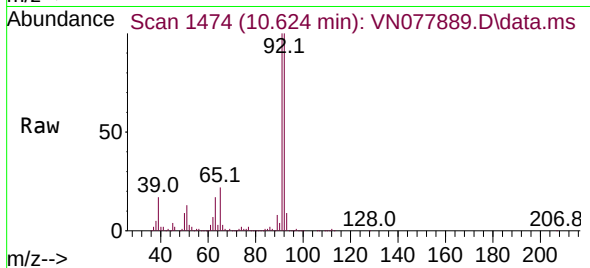
91 0.0 137.4 206.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#62

4-Bromofluorobenzene

Concen: 60.345 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

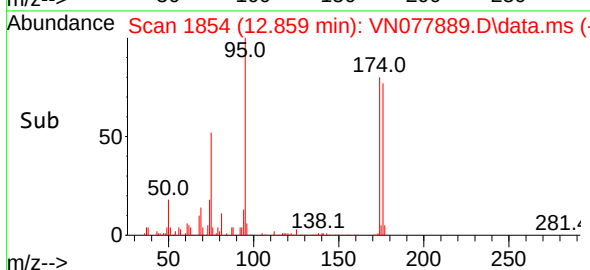
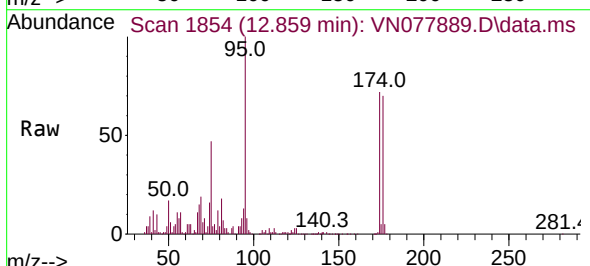
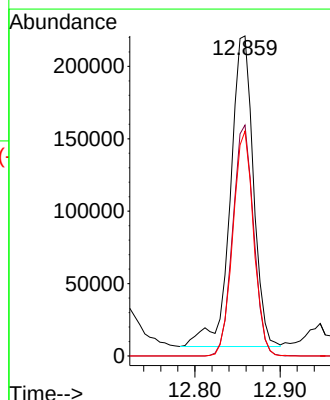
Tgt Ion: 95 Resp: 403293

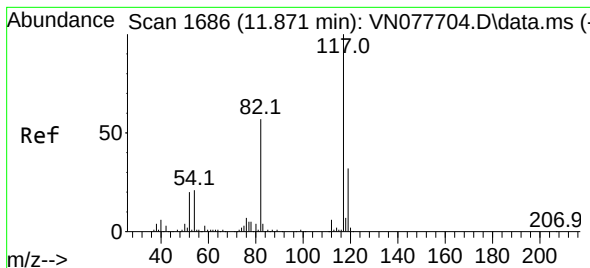
Ion Ratio Lower Upper

95 100

174 67.4 0.0 143.8

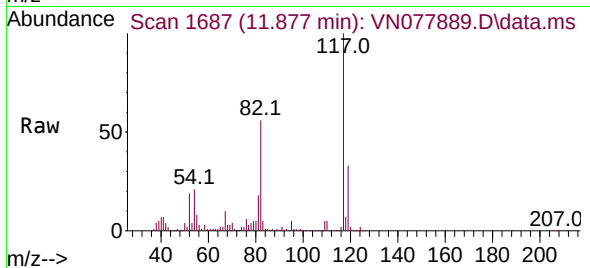
176 65.0 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.877 min Scan# 117
Delta R.T. 0.007 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

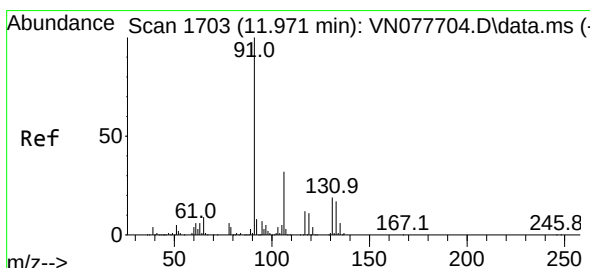
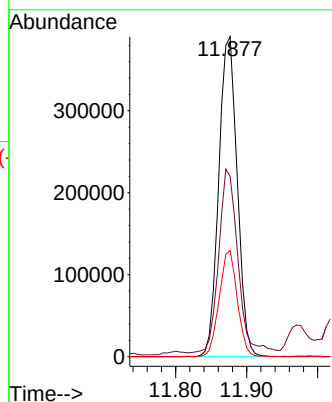
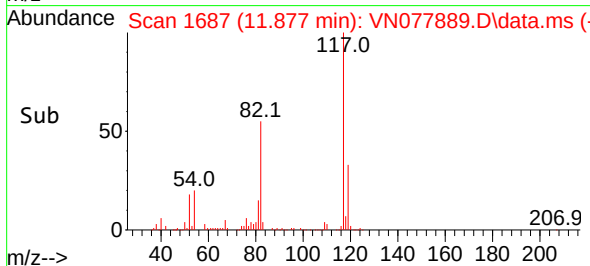
Instrument :
MSVOA_N
ClientSampleId :
S-H4(BHF)



Tgt Ion:117 Resp: 704092
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 33.2 25.6 38.4

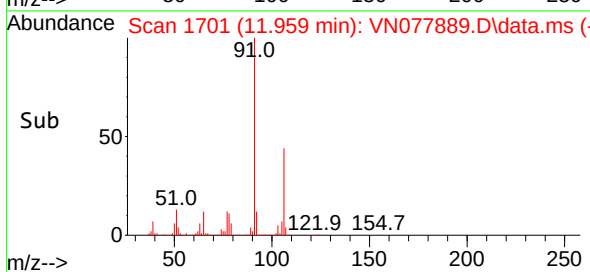
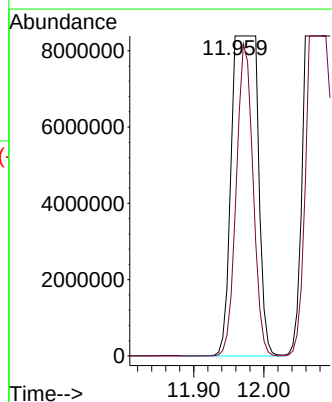
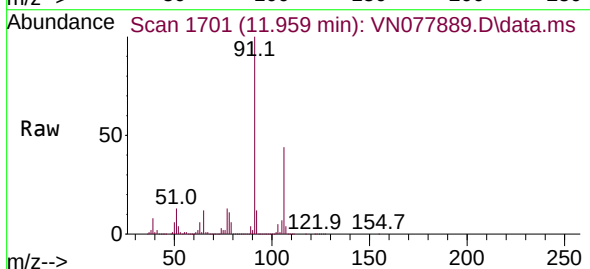
Manual Integrations
APPROVED

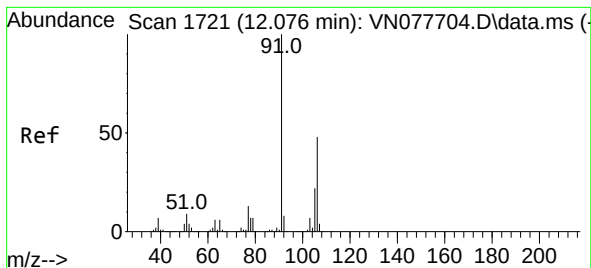
Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#67
Ethyl Benzene
Concen: 815.495 ug/l m
RT: 11.959 min Scan# 1701
Delta R.T. -0.011 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

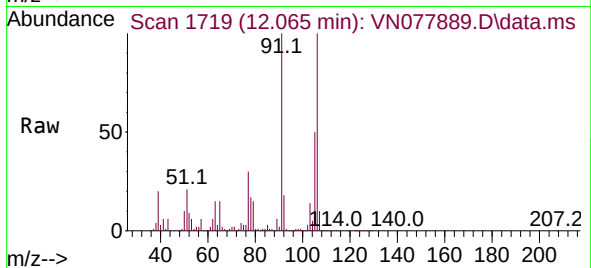
Tgt Ion: 91 Resp:22306717
Ion Ratio Lower Upper
91 100
106 44.3 25.6 38.4#





#68
m/p-Xylenes
Concen: 2083.255 ug/l m
RT: 12.065 min Scan# 1719
Delta R.T. -0.011 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

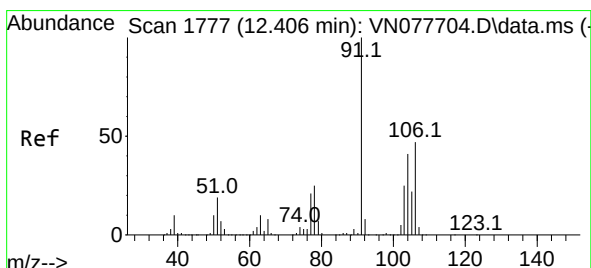
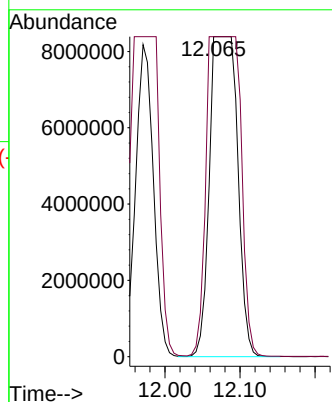
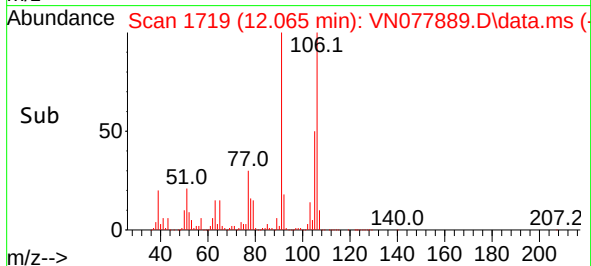
Instrument :
MSVOA_N
ClientSampleId :
S-H4(BHF)



Tgt Ion:106 Resp:2159198
Ion Ratio Lower Upper
106 100
91 0.0 159.6 239.4

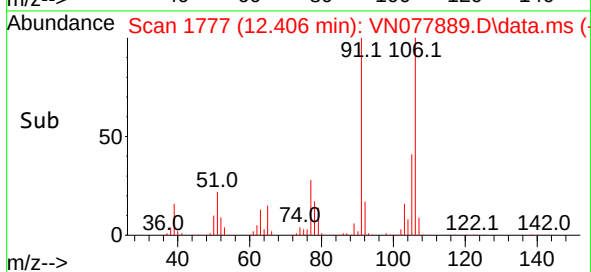
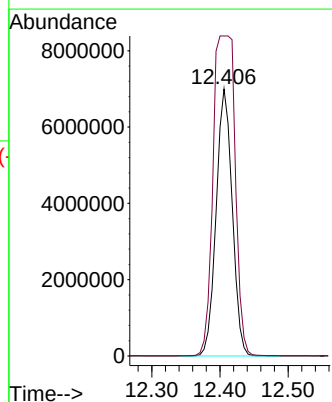
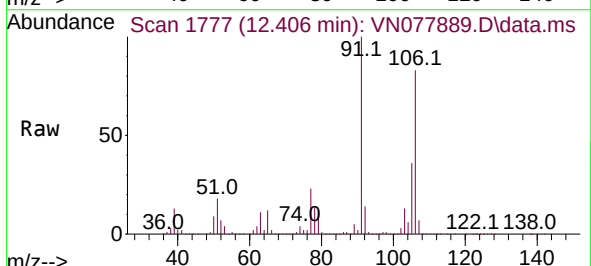
Manual Integrations
APPROVED

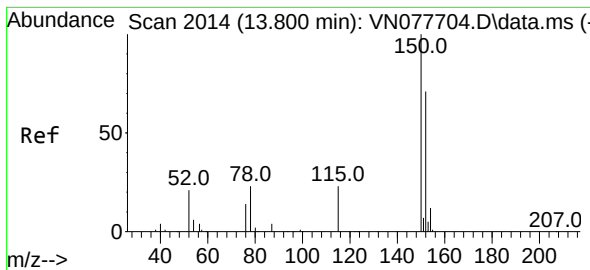
Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#69
o-Xylene
Concen: 1126.728 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

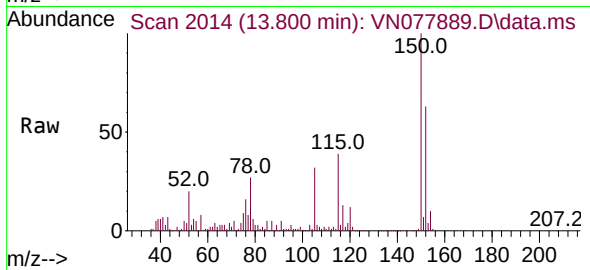
Tgt Ion:106 Resp:11484689
Ion Ratio Lower Upper
106 100
91 164.9 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

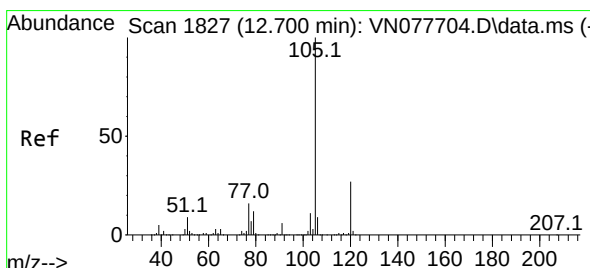
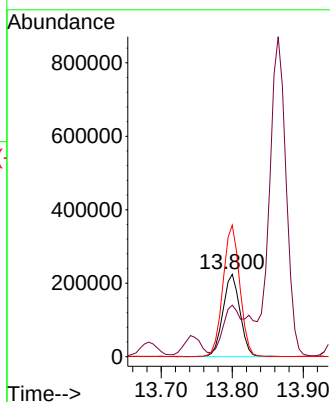
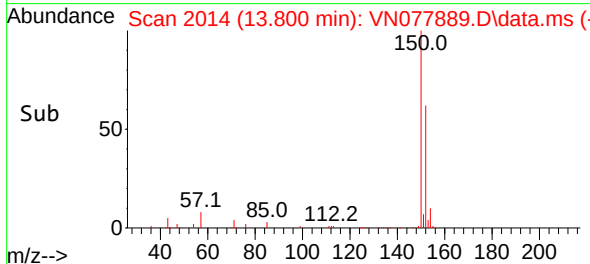
Instrument :
MSVOA_N
ClientSampleId :
S-H4(BHF)



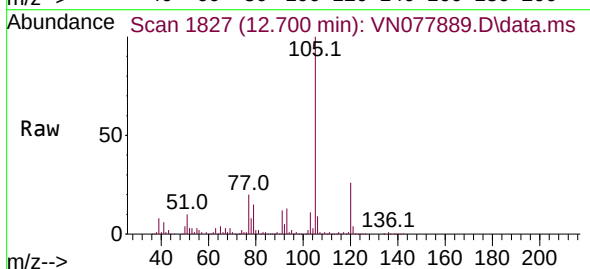
Tgt Ion:152 Resp: 373360
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.1 0.0 355.8

Manual Integrations
APPROVED

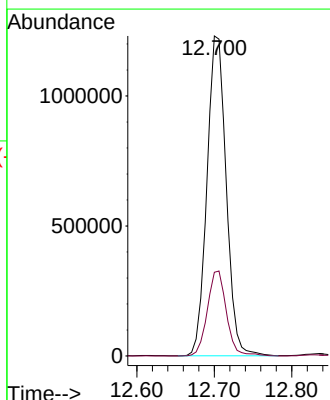
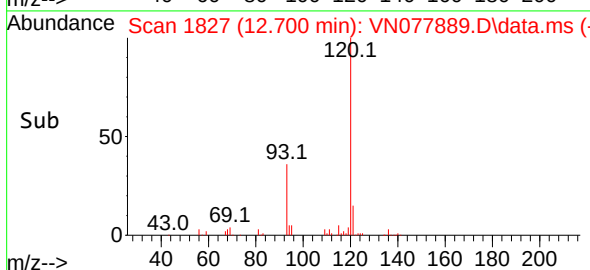
Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

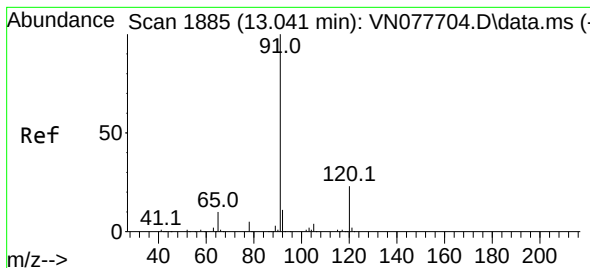


#73
Isopropylbenzene
Concen: 66.264 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11



Tgt Ion:105 Resp: 2132640
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.1





#78

n-propylbenzene

Concen: 132.607 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

Instrument :

MSVOA_N

ClientSampleId :

S-H4(BHF)

Tgt Ion: 91 Resp: 5031530

Ion Ratio Lower Upper

91 100

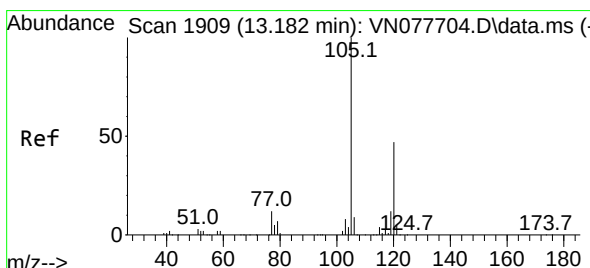
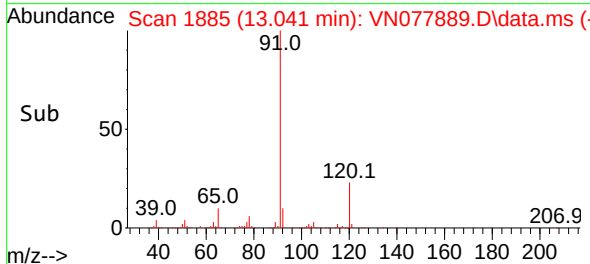
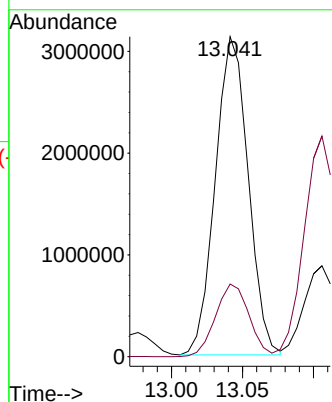
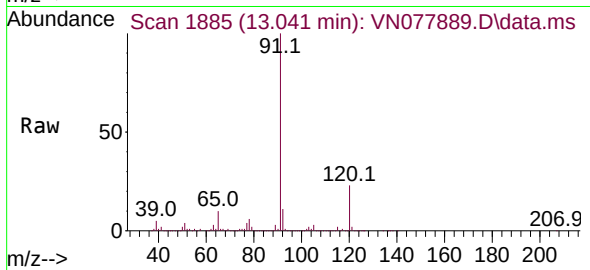
120 23.3 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#80

1,3,5-Trimethylbenzene

Concen: 210.246 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VN077889.D

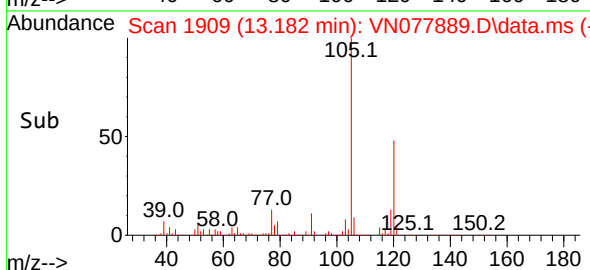
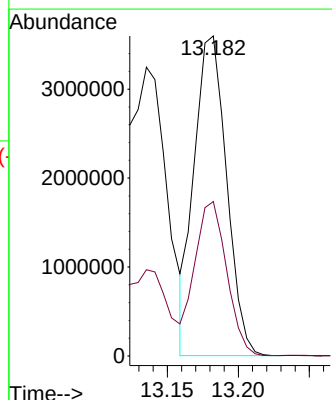
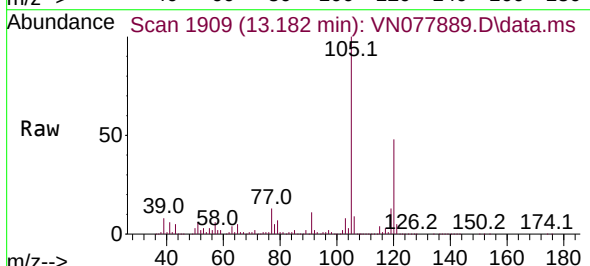
Acq: 25 May 2023 08:11

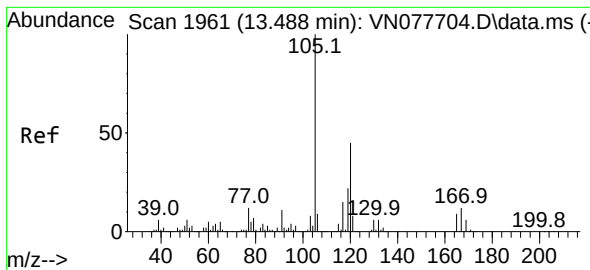
Tgt Ion:105 Resp: 5687088

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 567.671 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN077889.D

Acq: 25 May 2023 08:11

Instrument :

MSVOA_N

ClientSampleId :

S-H4(BHF)

Tgt Ion:105 Resp:15101700

Ion Ratio Lower Upper

105 100

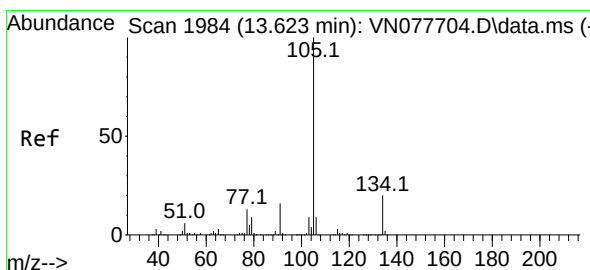
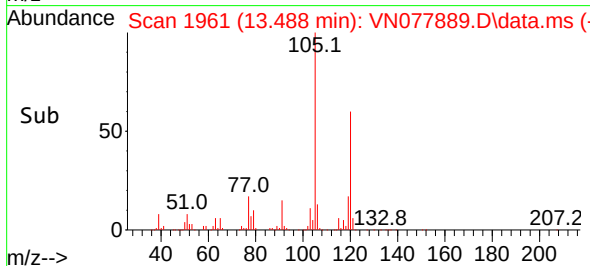
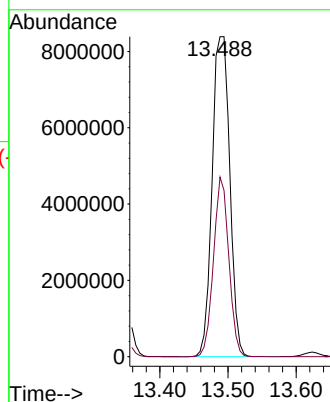
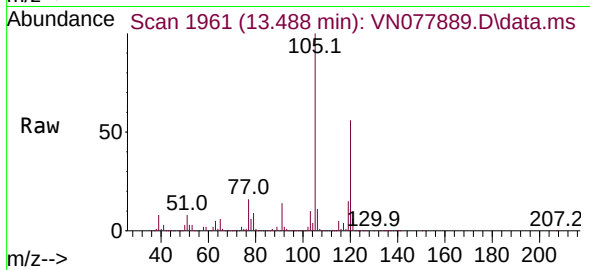
120 48.8 22.0 66.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#85

sec-Butylbenzene

Concen: 5.970 ug/l m

RT: 13.624 min Scan# 1984

Delta R.T. 0.001 min

Lab File: VN077889.D

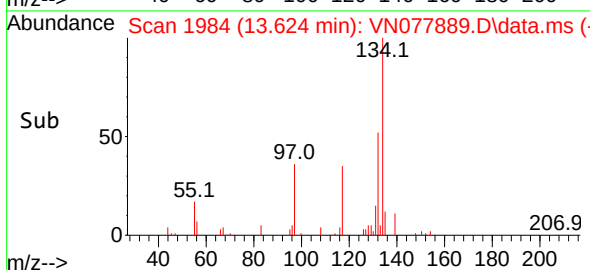
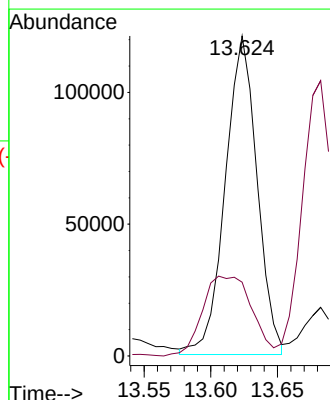
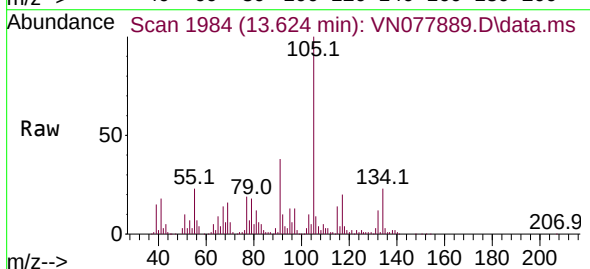
Acq: 25 May 2023 08:11

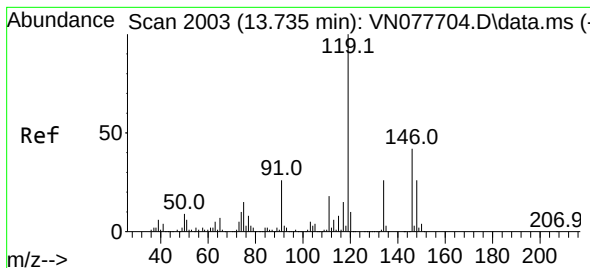
Tgt Ion:105 Resp: 200362

Ion Ratio Lower Upper

105 100

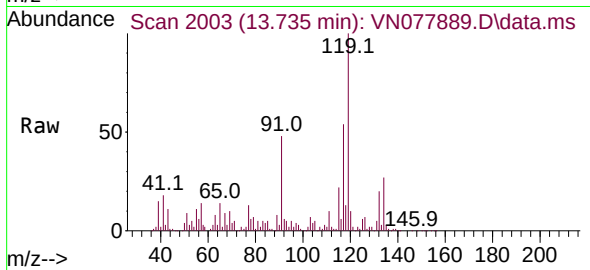
134 0.0 9.8 29.3#





#86
p-Isopropyltoluene
Concen: 11.446 ug/l m
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

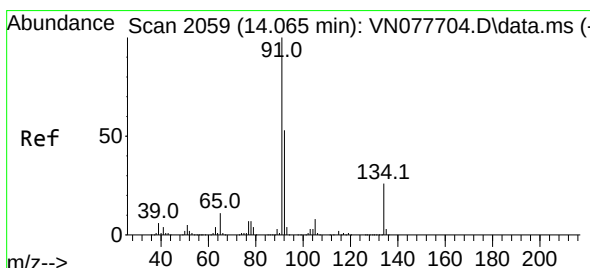
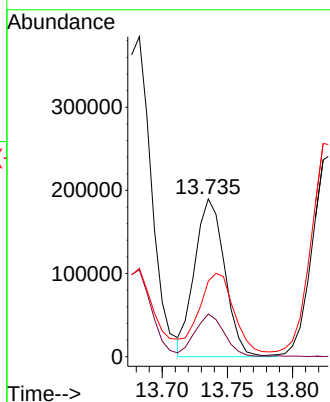
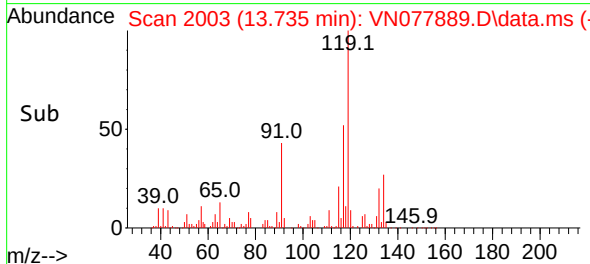
Instrument :
MSVOA_N
ClientSampleId :
S-H4(BHF)



Tgt Ion: 119 Resp: 306238
Ion Ratio Lower Upper
119 100
134 55.3 12.6 37.8
91 52.8 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#89
n-Butylbenzene
Concen: 15.307 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.001 min
Lab File: VN077889.D
Acq: 25 May 2023 08:11

Tgt Ion: 91 Resp: 376688
Ion Ratio Lower Upper
91 100
92 50.9 26.4 79.0
134 0.0 12.6 37.6

