

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022112.D
 Acq On : 01 May 2025 17:16
 Operator : SY/MD
 Sample : Q1914-06
 Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/05/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:31:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	348703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	593175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	525097	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	237049	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153858	47.769	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.540%		
35) Dibromofluoromethane	7.634	113	192496	49.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.240%		
50) Toluene-d8	10.109	98	859815	58.198	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	116.400%		
62) 4-Bromofluorobenzene	12.408	95	276233	55.541	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	111.080%		
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	11966	7.679	ug/l #	84
20) Methylene Chloride	4.610	84	14373	3.529	ug/l	96
25) 2-Butanone	6.902	43	4613	6.283	ug/l #	80
31) Cyclohexane	7.701	56	595505	111.845	ug/l	94
39) Methylcyclohexane	9.109	83	2110464	318.585	ug/l	98
40) Benzene	8.079	78	494837	30.072	ug/l	99
52) Toluene	10.170	92	1604199	150.607	ug/l	98
67) Ethyl Benzene	11.518	91	9283955	483.316	ug/l	96
68) m/p-Xylenes	11.627	106	14066887	1840.340	ug/l #	62
69) o-Xylene	11.956	106	6636011	941.942	ug/l	90
73) Isopropylbenzene	12.255	105	1880303	118.726	ug/l	100
78) n-propylbenzene	12.597	91	5434691	288.152	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	7155023	548.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	17605583m	1348.866	ug/l	
85) sec-Butylbenzene	13.176	105	1539777	89.913	ug/l	86
86) p-Isopropyltoluene	13.292	119	896938	61.680	ug/l	99
89) n-Butylbenzene	13.621	91	1551221	119.343	ug/l #	72

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

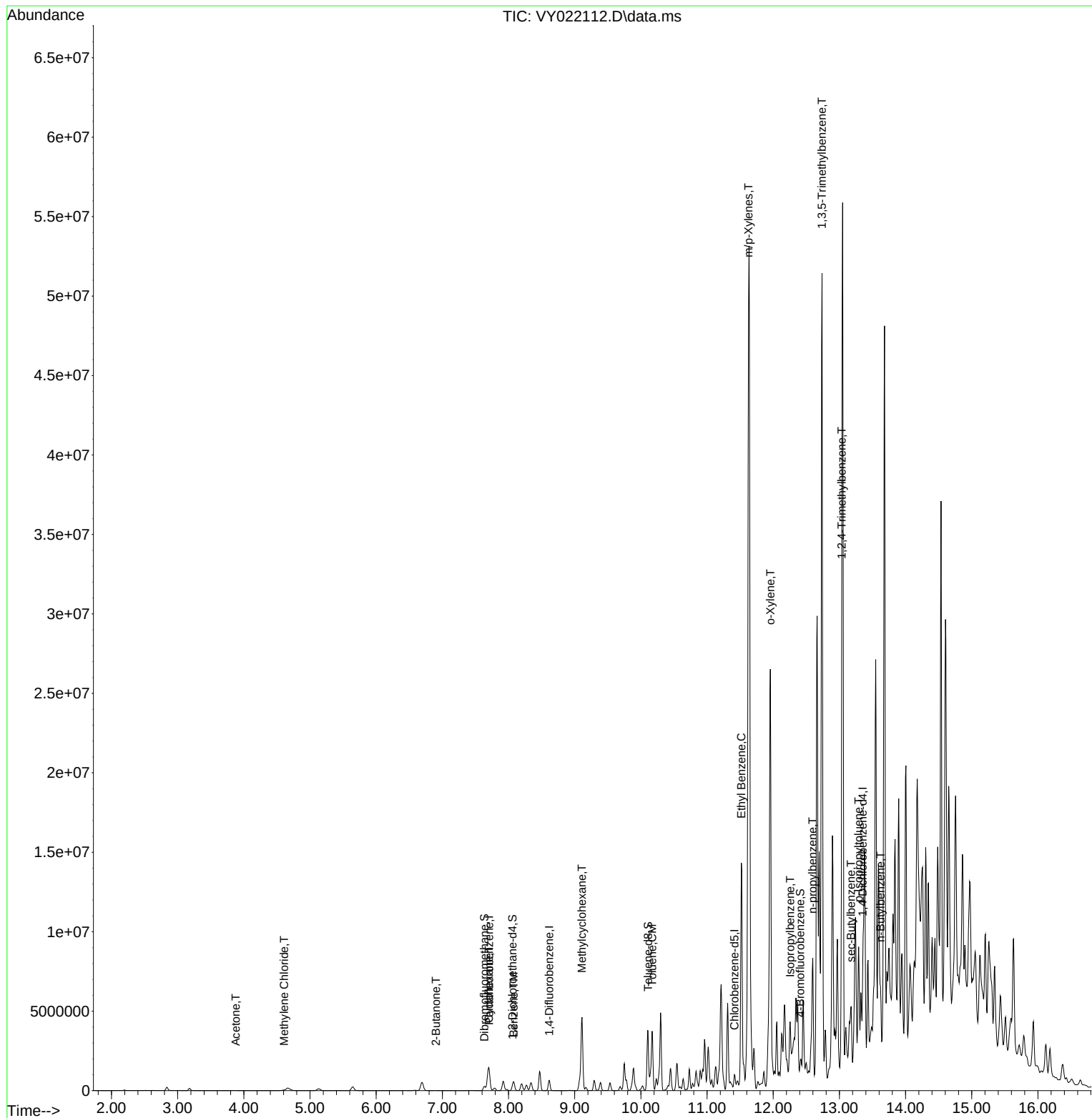
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022112.D
Acq On : 01 May 2025 17:16
Operator : SY/MD
Sample : Q1914-06
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/A
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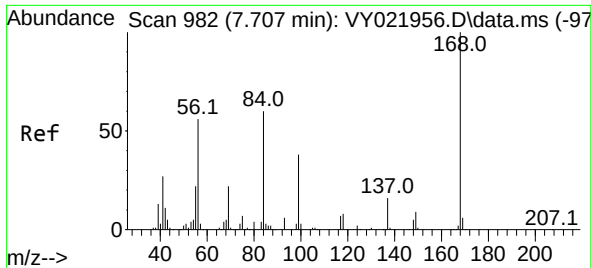
Instrument :
MSVOA_Y
ClientSampleId :
SS-5

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Reviewed By : Semsettin Yesilyurt 05/05/2025
Supervised By : Mahesh Dadoda 05/05/2025

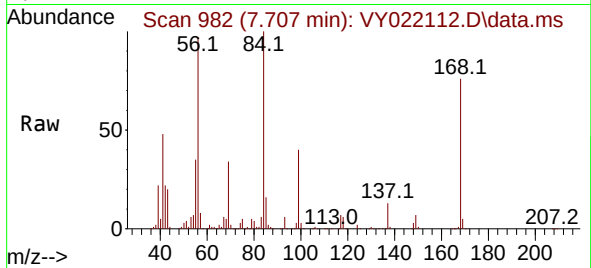
Quant Time: May 02 01:31:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

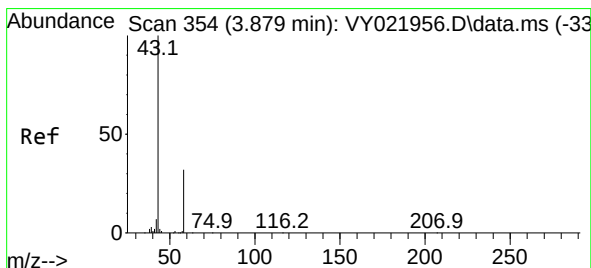
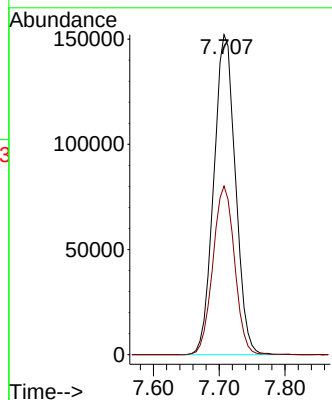
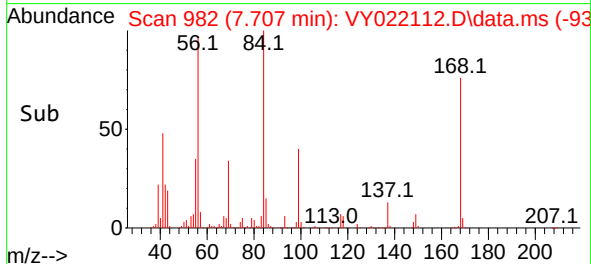
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion:168 Resp: 34870
Ion Ratio Lower Upper
168 100
99 52.7 43.1 64.7

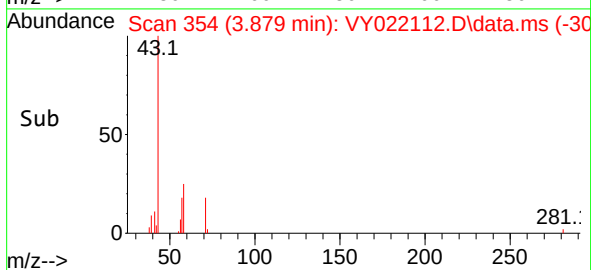
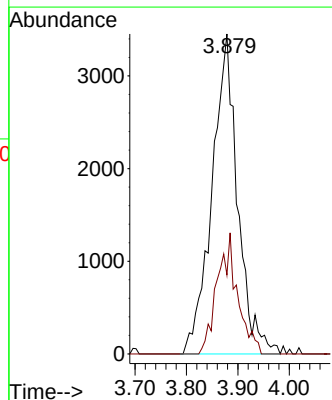
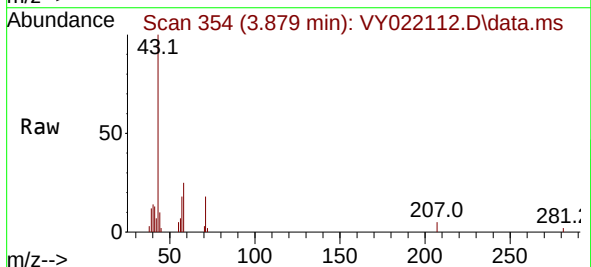
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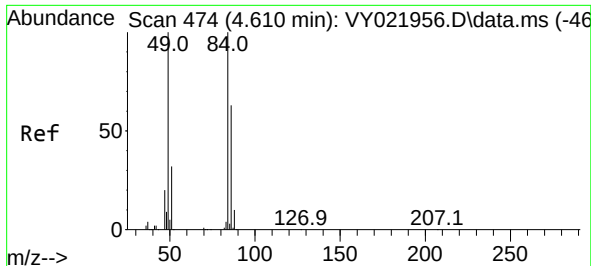
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#16
Acetone
Concen: 7.679 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

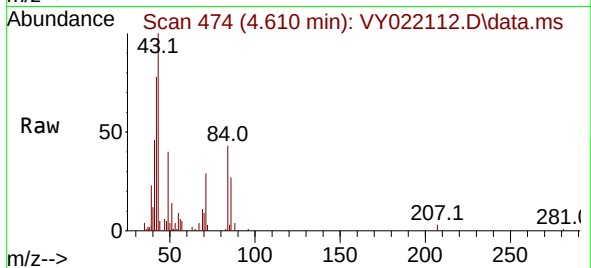
Tgt Ion: 43 Resp: 11966
Ion Ratio Lower Upper
43 100
58 24.7 27.0 40.4#





#20
Methylene Chloride
Concen: 3.529 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

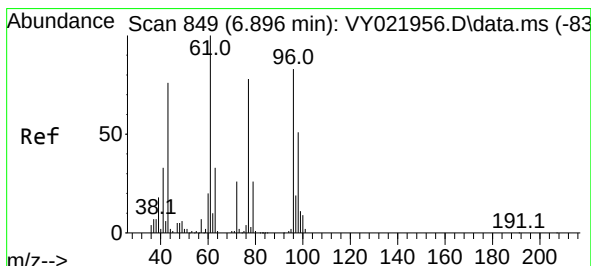
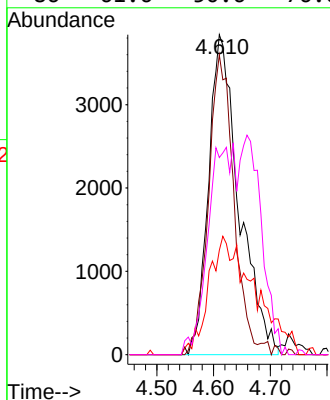
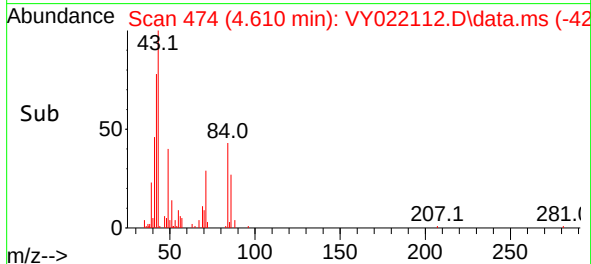
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion: 84 Resp: 1437
Ion Ratio Lower Upper
84 100
49 93.7 79.9 119.9
51 32.6 25.4 38.0
86 61.6 50.6 76.0

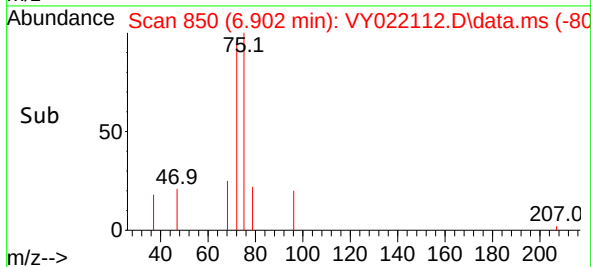
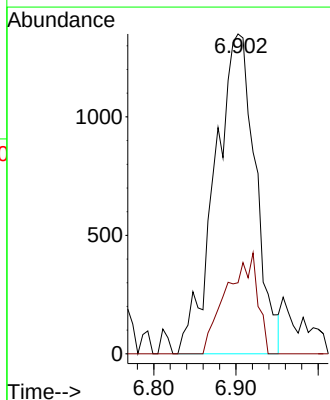
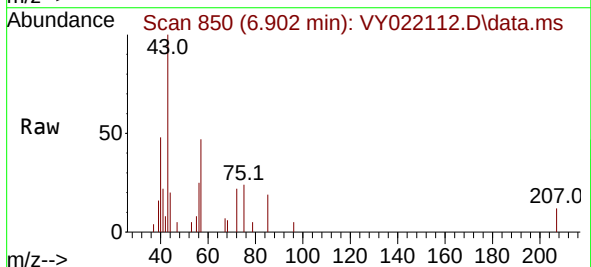
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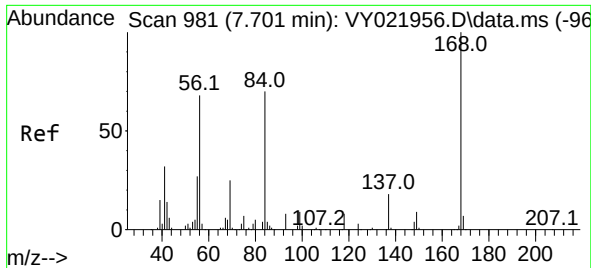
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#25
2-Butanone
Concen: 6.283 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

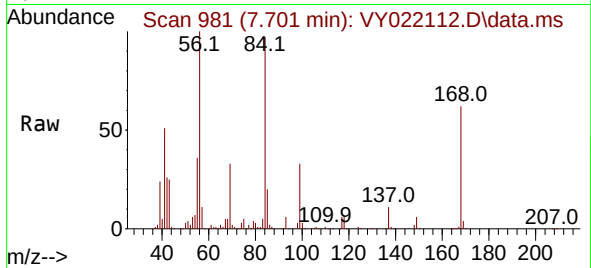
Tgt Ion: 43 Resp: 4613
Ion Ratio Lower Upper
43 100
72 22.2 27.0 40.4#





#31
Cyclohexane
Concen: 111.845 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

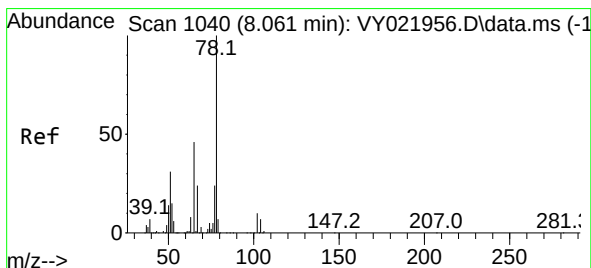
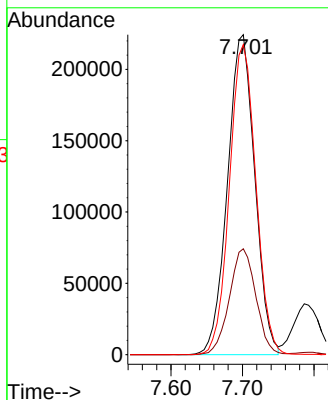
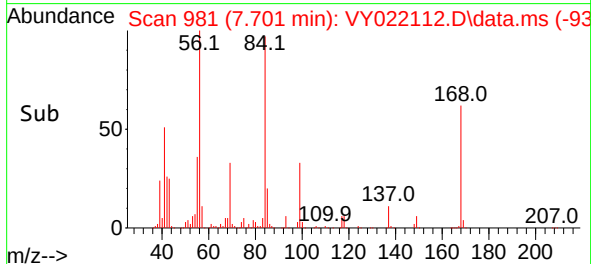
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion: 56 Resp: 59550
Ion Ratio Lower Upper
56 100
69 33.1 29.4 44.2
84 96.9 82.2 123.4

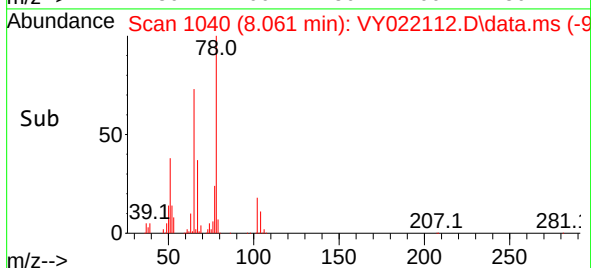
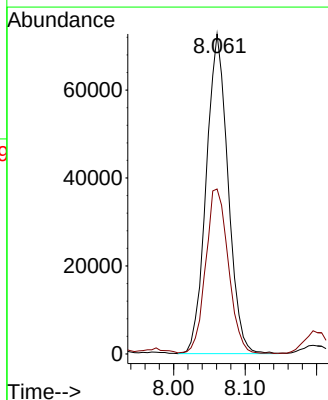
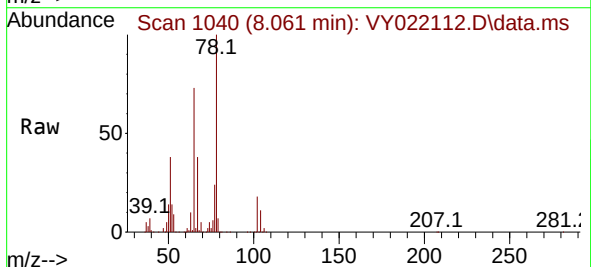
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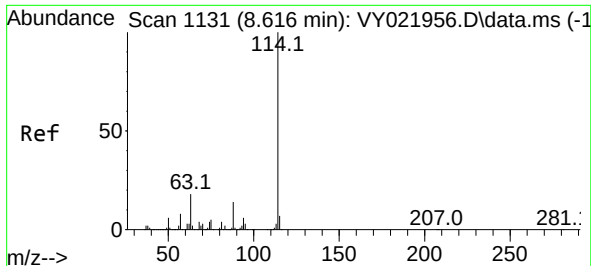
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#33
1,2-Dichloroethane-d4
Concen: 47.769 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

Tgt Ion: 65 Resp: 153858
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022112.D

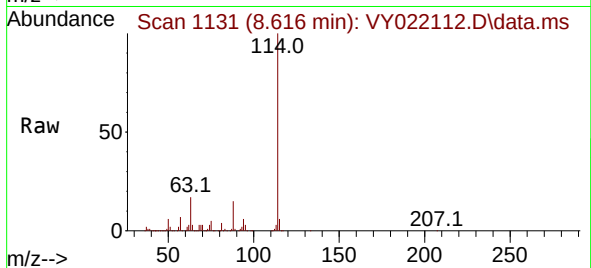
Acq: 01 May 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

SS-5



Tgt Ion:114 Resp: 59317

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

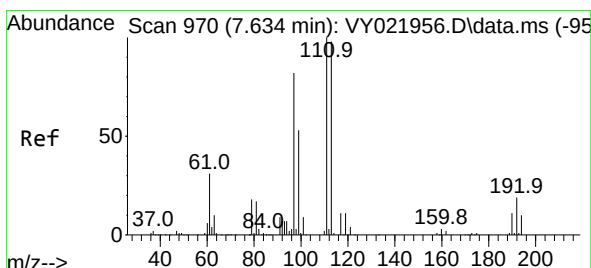
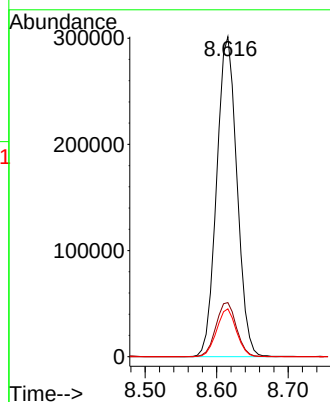
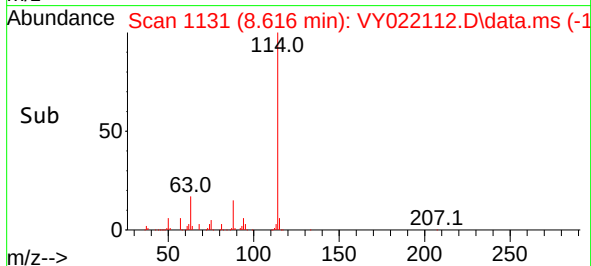
88 14.9 0.0 28.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#35

Dibromofluoromethane

Concen: 49.121 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022112.D

Acq: 01 May 2025 17:16

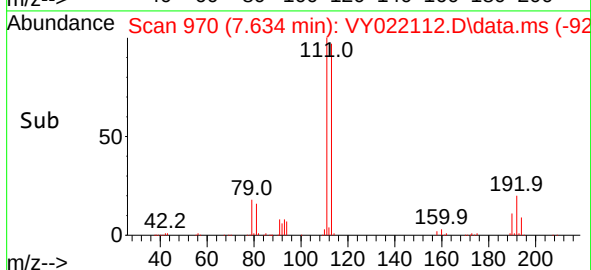
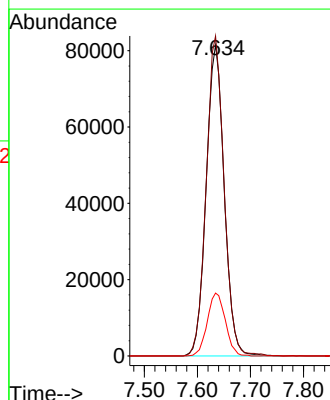
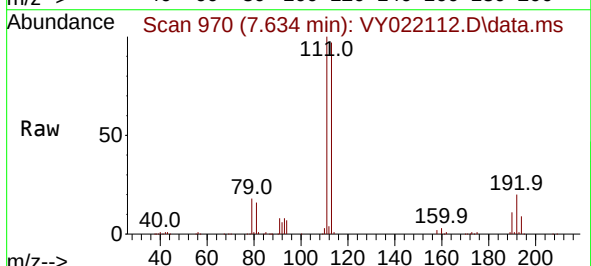
Tgt Ion:113 Resp: 192496

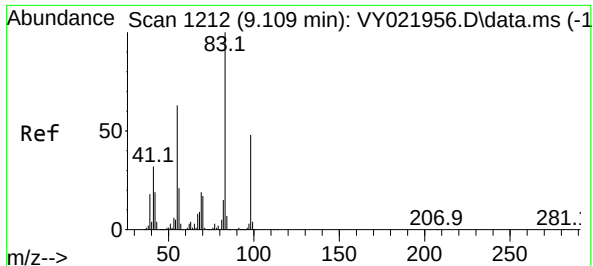
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 20.2 15.6 23.4





#39

Methylcyclohexane

Concen: 318.585 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022112.D

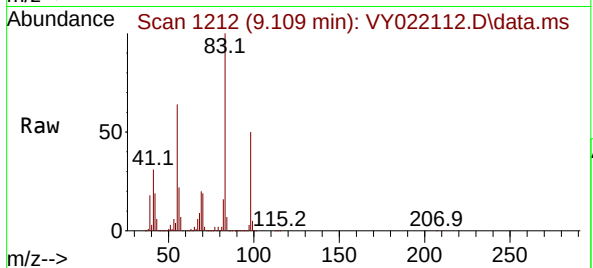
Acq: 01 May 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

SS-5



Tgt Ion: 83 Resp: 211046

Ion Ratio Lower Upper

83 100

55 64.1 50.6 75.8

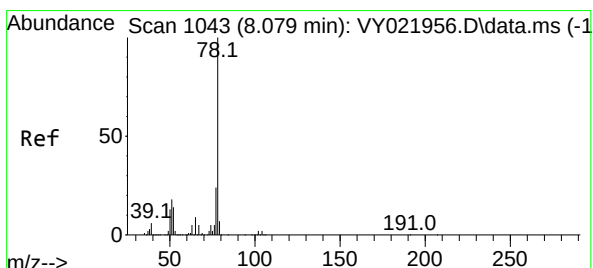
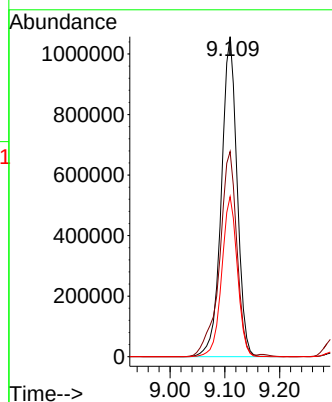
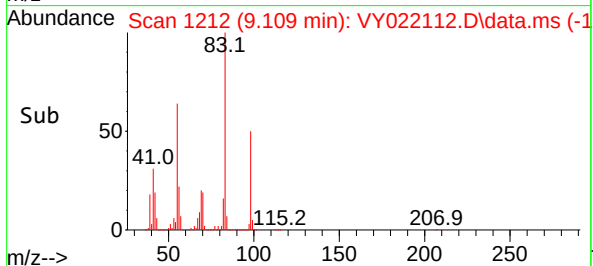
98 50.0 38.6 58.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#40

Benzene

Concen: 30.072 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022112.D

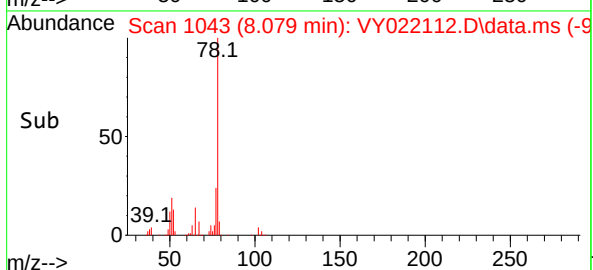
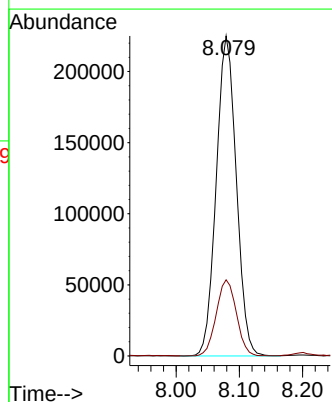
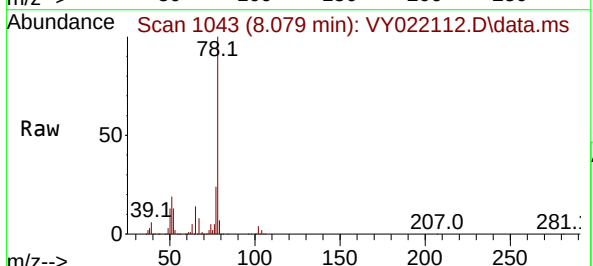
Acq: 01 May 2025 17:16

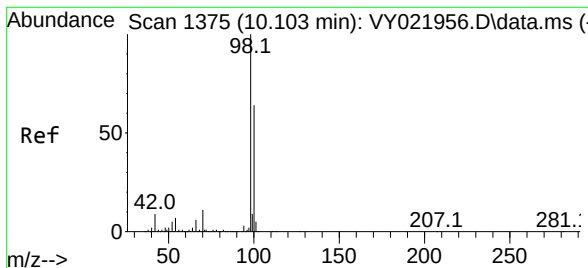
Tgt Ion: 78 Resp: 494837

Ion Ratio Lower Upper

78 100

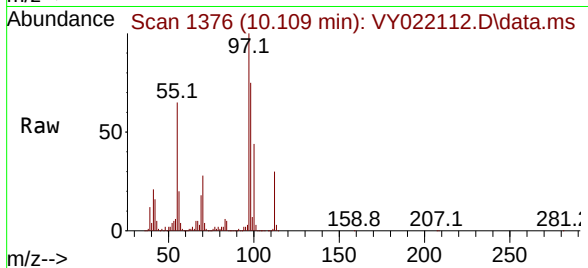
77 23.7 19.3 28.9





#50
Toluene-d8
Concen: 58.198 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

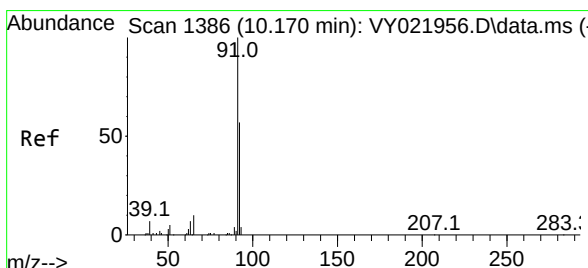
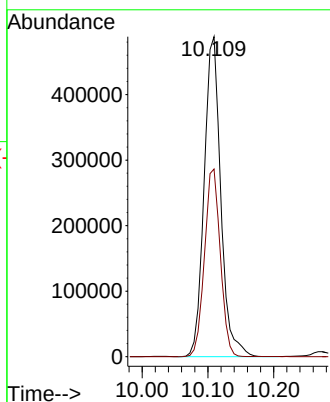
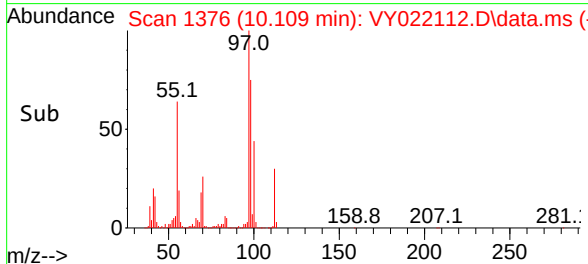
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion: 98 Resp: 859815
Ion Ratio Lower Upper
98 100
100 55.7 51.6 77.4

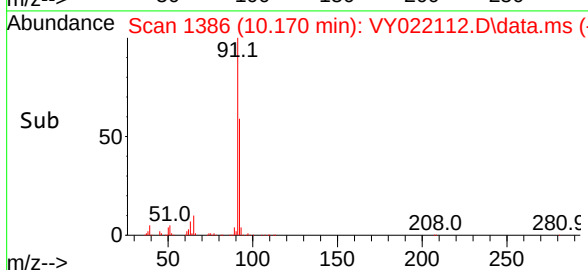
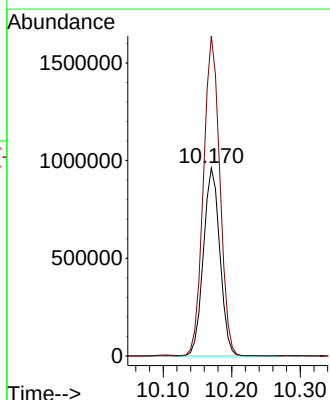
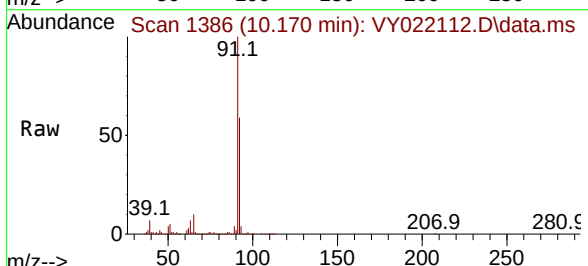
Manual Integrations
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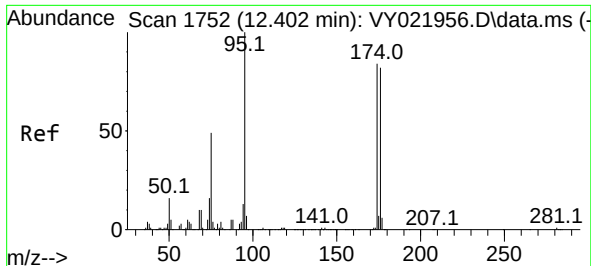
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#52
Toluene
Concen: 150.607 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

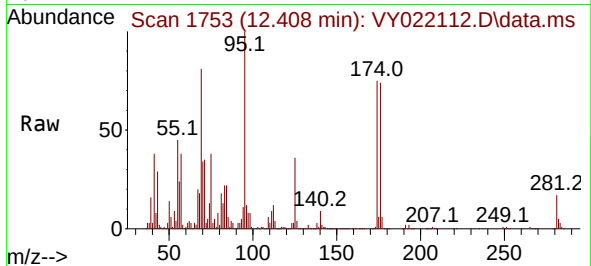
Tgt Ion: 92 Resp: 1604199
Ion Ratio Lower Upper
92 100
91 170.1 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 55.541 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

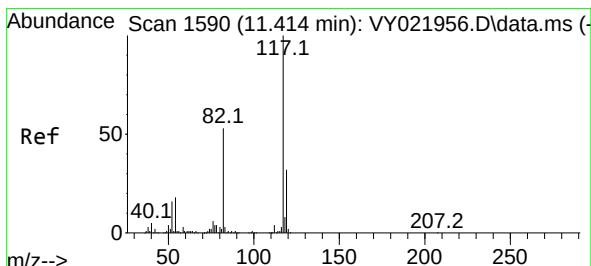
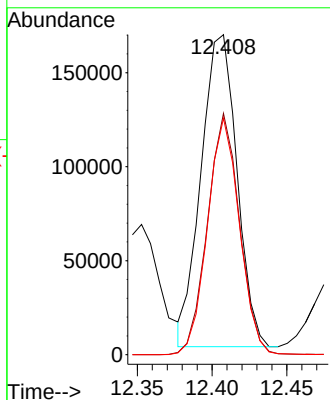
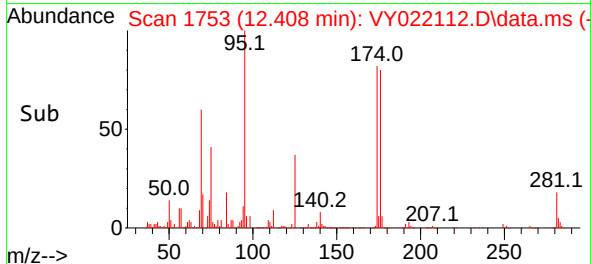
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion: 95 Resp: 27623
Ion Ratio Lower Upper
95 100
174 69.4 0.0 179.0
176 67.6 0.0 171.8

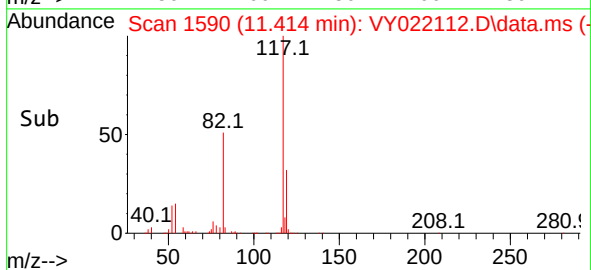
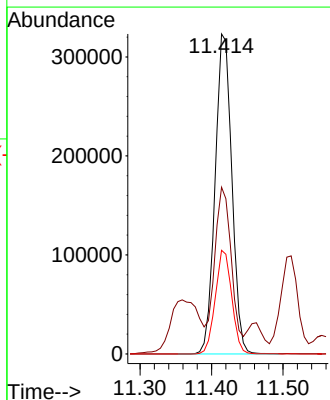
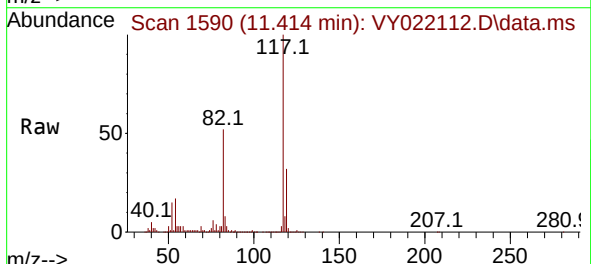
Manual Integrations
APPROVED

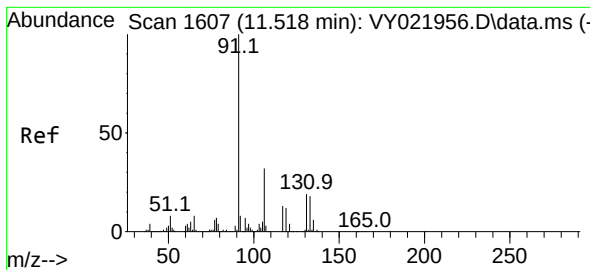
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

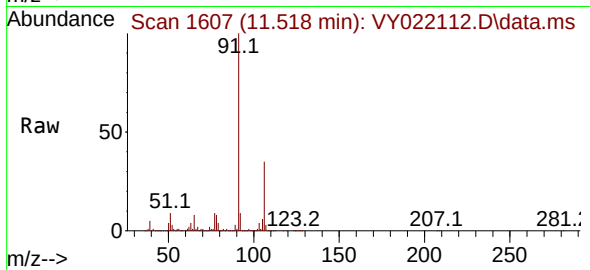
Tgt Ion:117 Resp: 525097
Ion Ratio Lower Upper
117 100
82 40.0 42.1 63.1#
119 32.4 25.7 38.5





#67
Ethyl Benzene
Concen: 483.316 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

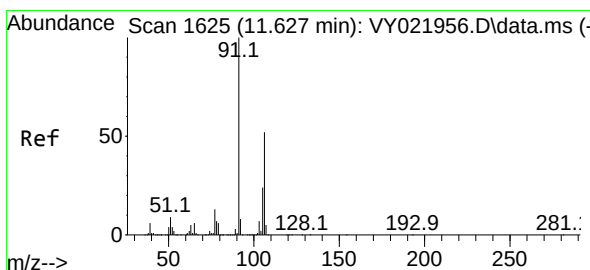
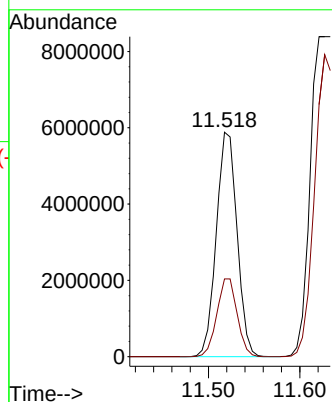
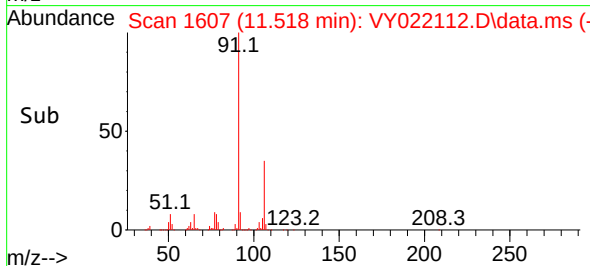
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion: 91 Resp: 928395
Ion Ratio Lower Upper
91 100
106 34.7 25.9 38.9

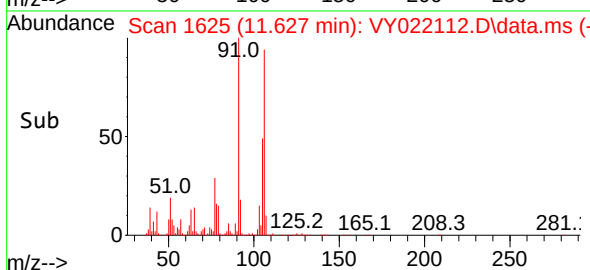
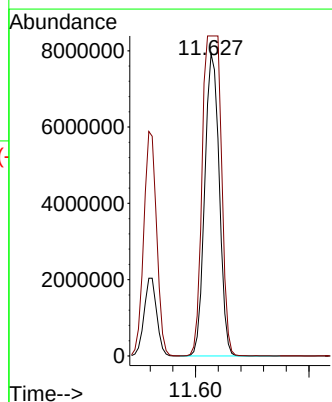
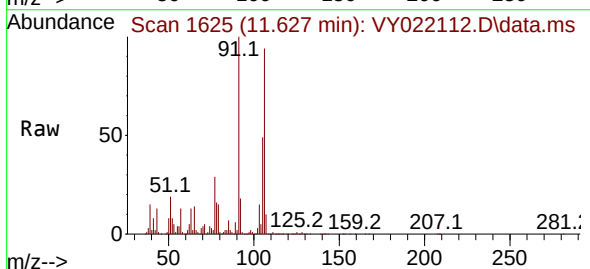
Manual Integrations
APPROVED

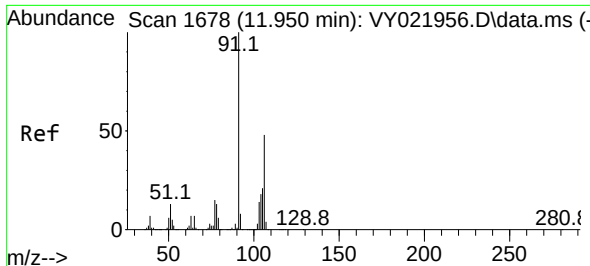
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#68
m/p-Xylenes
Concen: 1840.340 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

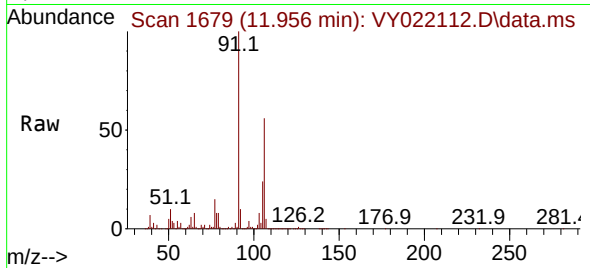
Tgt Ion:106 Resp:14066887
Ion Ratio Lower Upper
106 100
91 139.2 156.2 234.2#





#69
o-Xylene
Concen: 941.942 ug/l
RT: 11.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

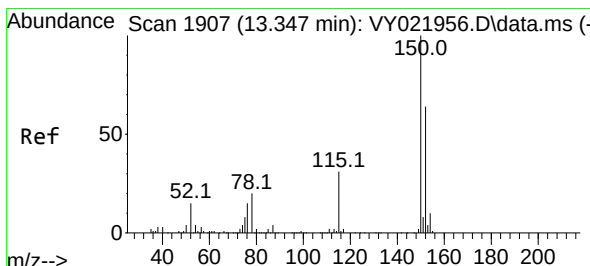
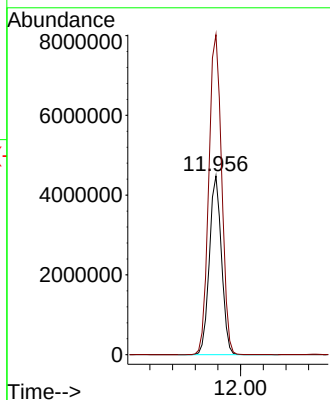
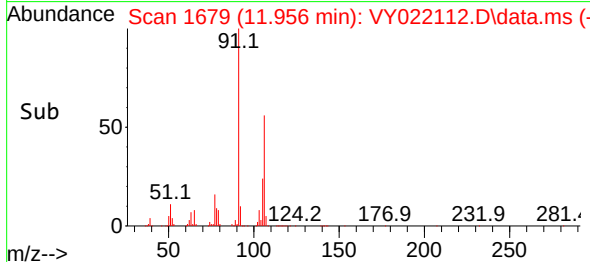
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion:106 Resp: 663601
Ion Ratio Lower Upper
106 100
91 190.6 103.0 308.9

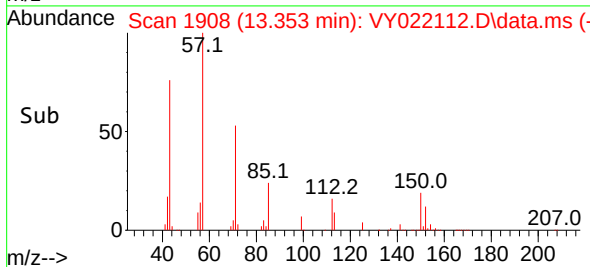
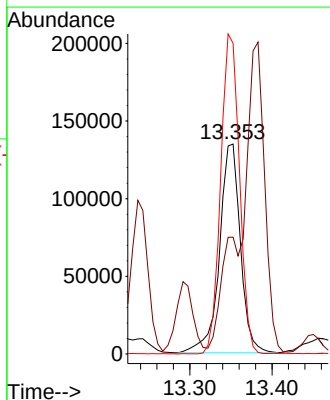
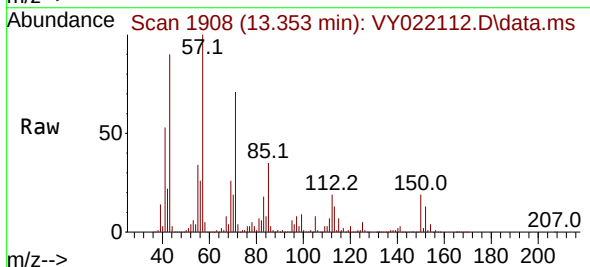
Manual Integrations
APPROVED

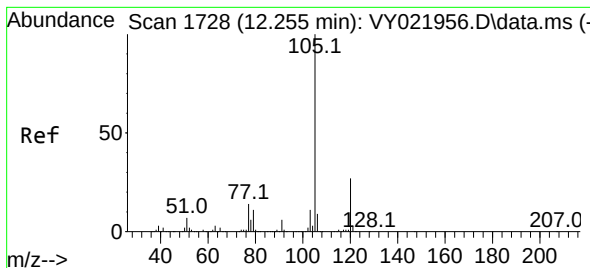
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

Tgt Ion:152 Resp: 237049
Ion Ratio Lower Upper
152 100
115 0.0 28.0 84.0#
150 137.8 0.0 345.6





#73

Isopropylbenzene

Concen: 118.726 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022112.D

Acq: 01 May 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

SS-5

Tgt Ion:105 Resp: 188030

Ion Ratio Lower Upper

105 100

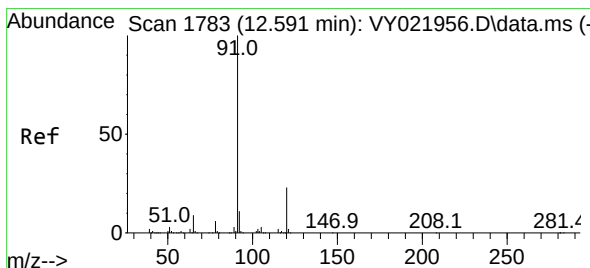
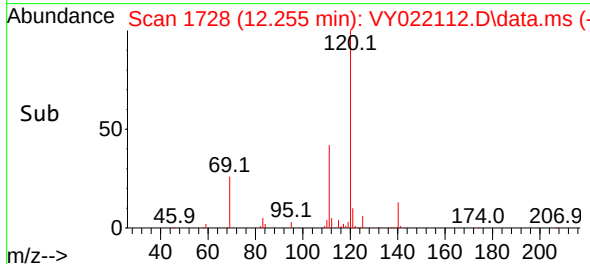
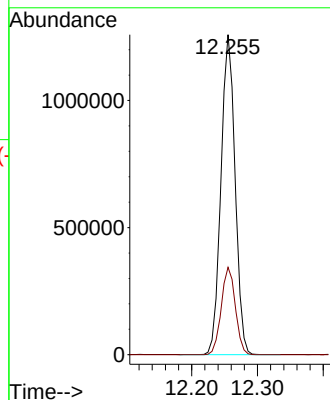
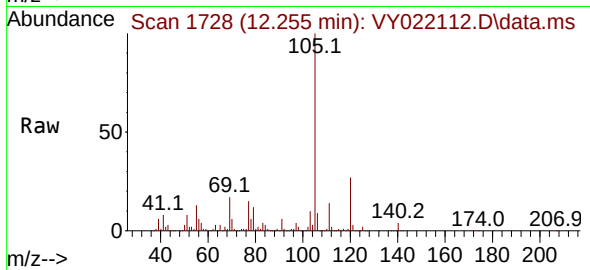
120 27.2 13.5 40.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#78

n-propylbenzene

Concen: 288.152 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY022112.D

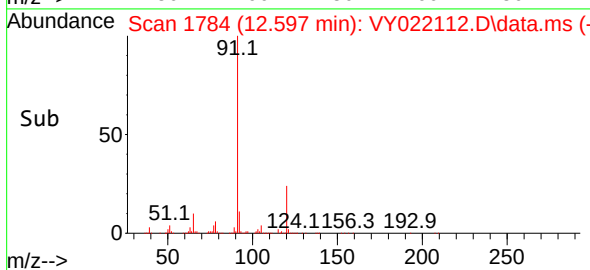
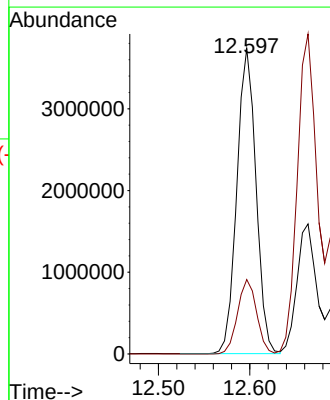
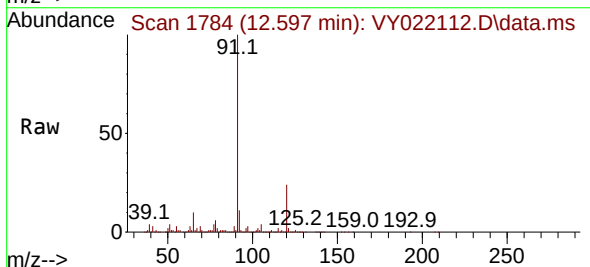
Acq: 01 May 2025 17:16

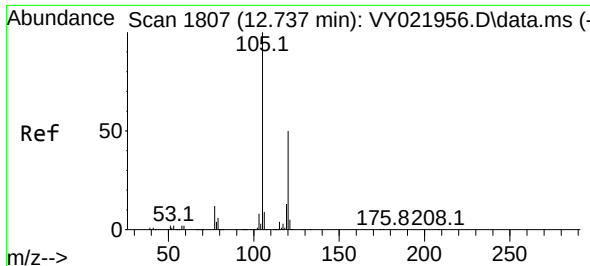
Tgt Ion: 91 Resp: 5434691

Ion Ratio Lower Upper

91 100

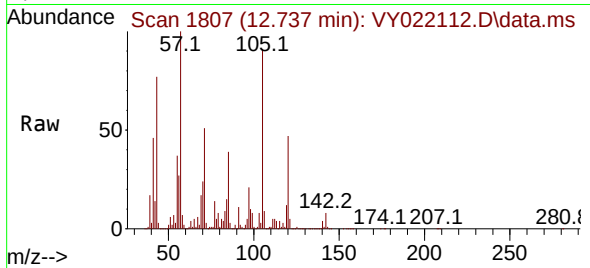
120 24.2 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 548.313 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

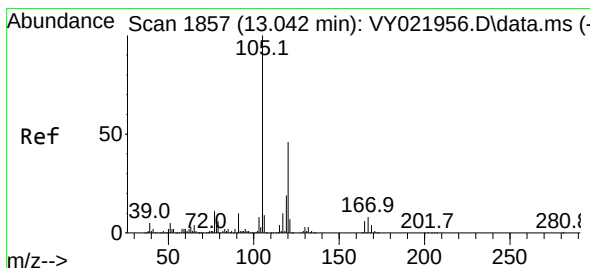
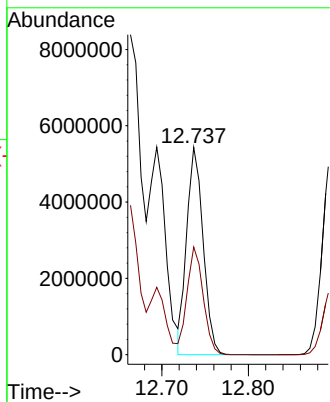
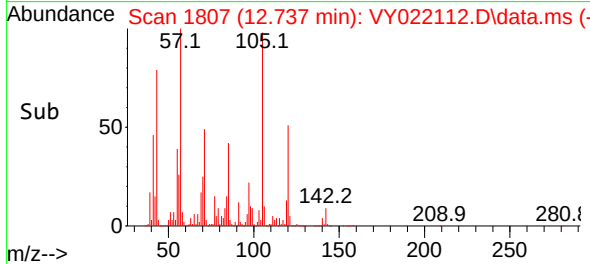
Instrument :
MSVOA_Y
ClientSampleId :
SS-5



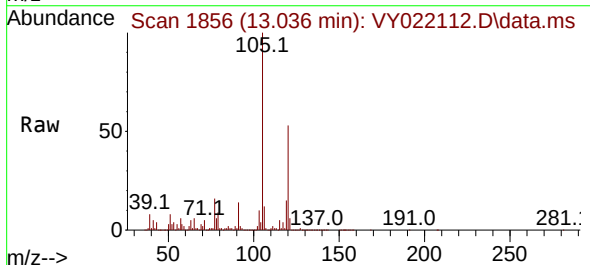
Tgt Ion:105 Resp: 715502
Ion Ratio Lower Upper
105 100
120 51.0 25.0 75.0

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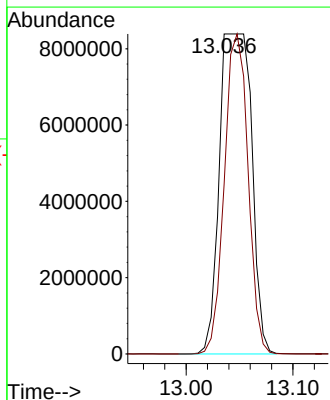
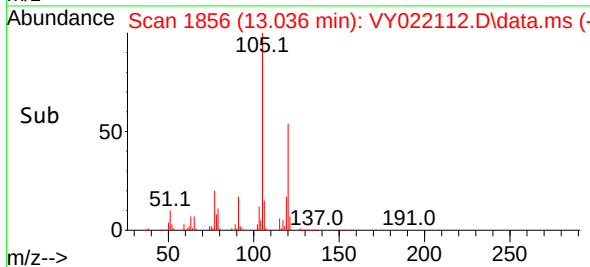
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

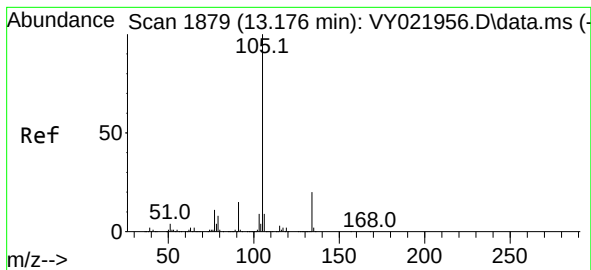


#84
1,2,4-Trimethylbenzene
Concen: 1348.866 ug/l m
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16



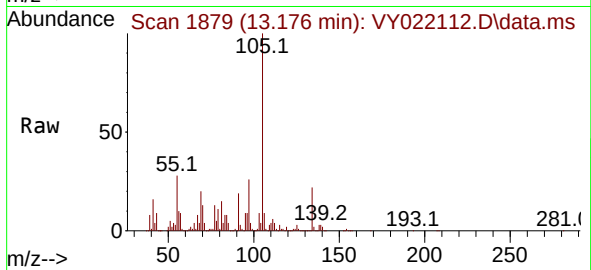
Tgt Ion:105 Resp:17605583
Ion Ratio Lower Upper
105 100
120 15.4 23.4 70.0#





#85
 sec-Butylbenzene
 Concen: 89.913 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY022112.D
 Acq: 01 May 2025 17:16

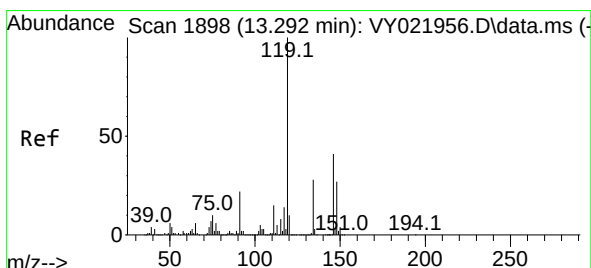
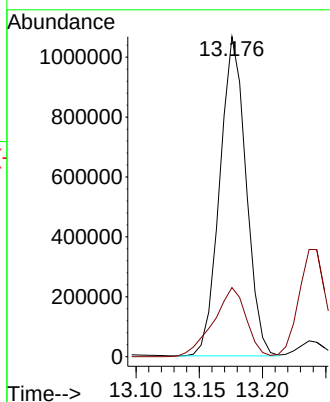
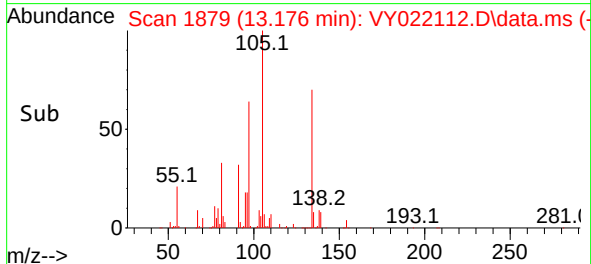
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-5



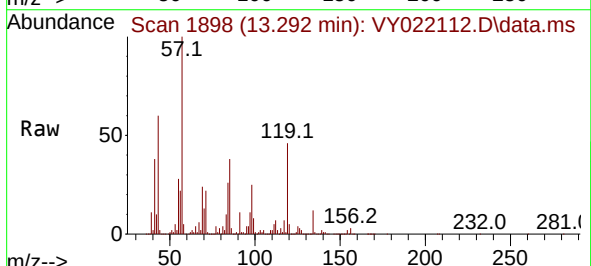
Tgt Ion:105 Resp: 153977
 Ion Ratio Lower Upper
 105 100
 134 27.0 10.3 30.9

Manual Integrations
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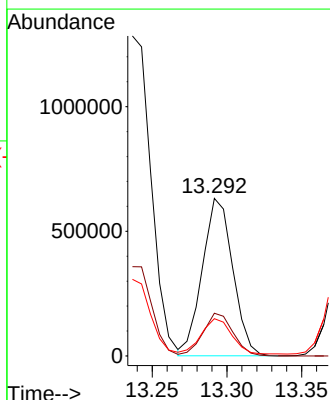
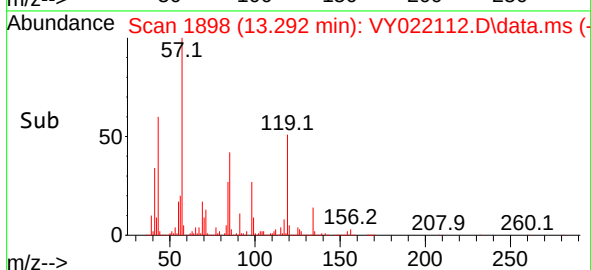
Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

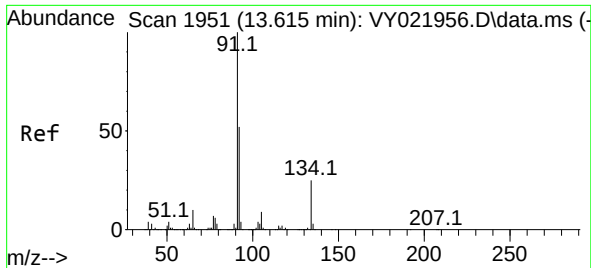


#86
 p-Isopropyltoluene
 Concen: 61.680 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022112.D
 Acq: 01 May 2025 17:16



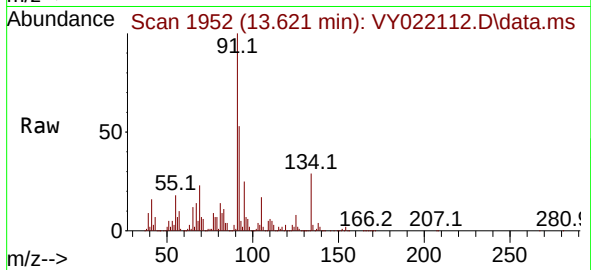
Tgt Ion:119 Resp: 896938
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.6 40.7
 91 22.2 11.0 33.0





#89
n-Butylbenzene
Concen: 119.343 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022112.D
Acq: 01 May 2025 17:16

Instrument :
MSVOA_Y
ClientSampleId :
SS-5



Tgt Ion: 91 Resp: 155122
Ion Ratio Lower Upper
91 100
92 64.2 26.5 79.5
134 0.0 13.4 40.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

