

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016112.D
 Acq On : 27 Oct 2023 18:30
 Operator : SY/MD
 Sample : 05107-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1074

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023
 Supervised By :Semsettin Yesilyurt 10/30/2023

Quant Time: Oct 30 06:11:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	167028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83139	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94292	56.773	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.540%			
35) Dibromofluoromethane	7.716	113	83669	49.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.240%			
50) Toluene-d8	10.179	98	344153	55.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.200%			
62) 4-Bromofluorobenzene	12.483	95	97120	45.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.660%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	196792	437.149	ug/l	98
17) Carbon Disulfide	4.198	76	6066	1.536	ug/l #	95
18) Methyl Acetate	4.472	43	3106	1.951	ug/l #	87
20) Methylene Chloride	4.716	84	23183	8.370	ug/l #	83
31) Cyclohexane	7.789	56	665920	254.860	ug/l	89
39) Methylcyclohexane	9.185	83	1191273	415.996	ug/l	93
40) Benzene	8.161	78	15672544	2354.934	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	11414	9.602	ug/l	89
52) Toluene	10.246	92	12987724	3039.065	ug/l #	73
67) Ethyl Benzene	11.593	91	3836325	495.270	ug/l	97
68) m/p-Xylenes	11.703	106	7467188	2491.055	ug/l	83
69) o-Xylene	12.032	106	4092714	1426.153	ug/l	91
73) Isopropylbenzene	12.331	105	424077	72.479	ug/l	99
78) n-propylbenzene	12.672	91	742496	104.806	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	3008862	619.385	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	6057300	1262.535	ug/l	95
85) sec-Butylbenzene	13.251	105	144835m	22.520	ug/l	
86) p-Isopropyltoluene	13.367	119	192234	35.821	ug/l	97
89) n-Butylbenzene	13.696	91	89490	17.876	ug/l #	52
95) Naphthalene	15.233	128	20209023	6860.874	ug/l #	82

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

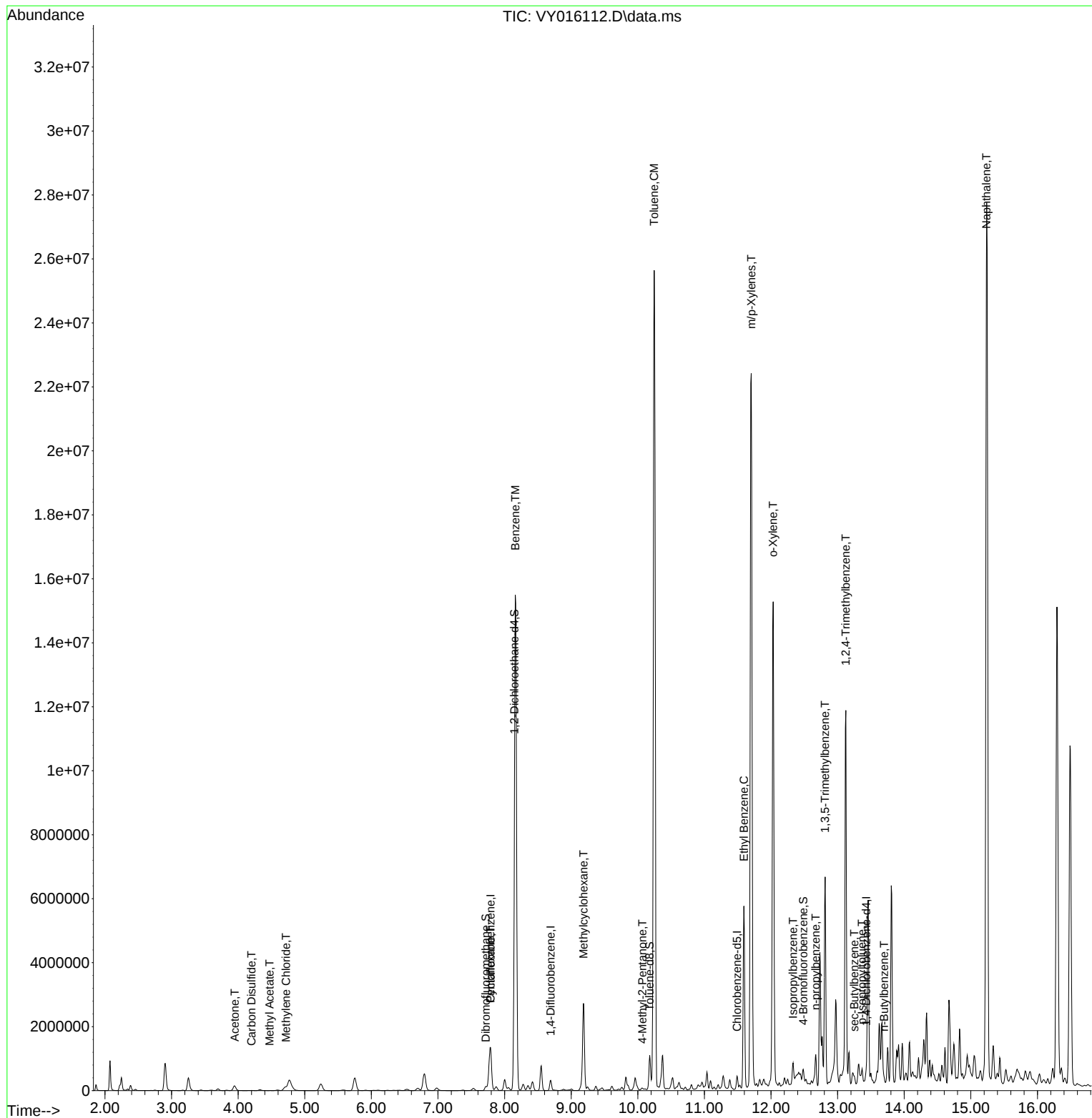
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016112.D
Acq On : 27 Oct 2023 18:30
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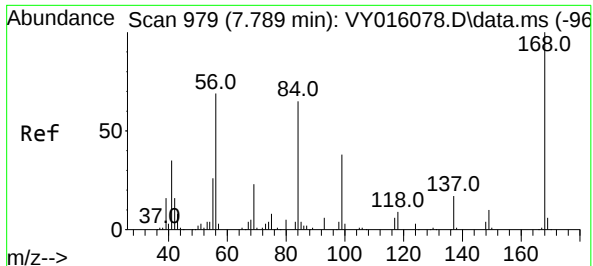
Instrument :
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ClientSampleId :
1074

Quant Time: Oct 30 06:11:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 27 04:12:29 2023
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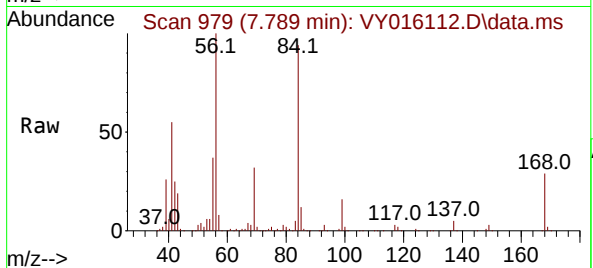
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

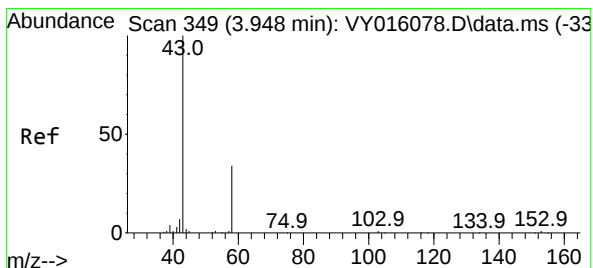
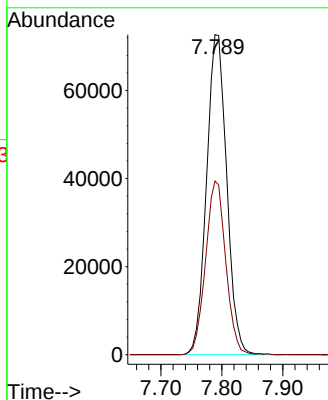
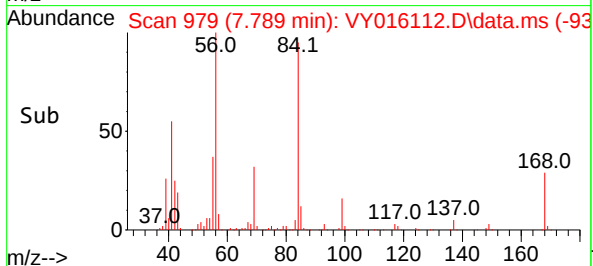
Instrument :
MSVOA_Y
ClientSampleId :
1074



Tgt Ion:168 Resp: 167028
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0

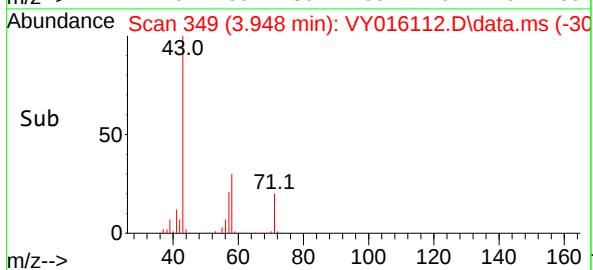
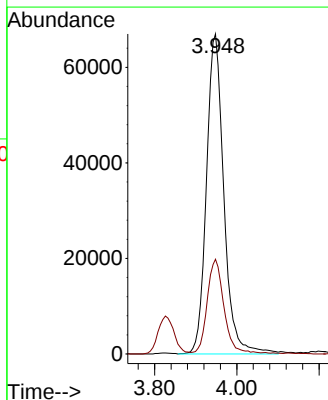
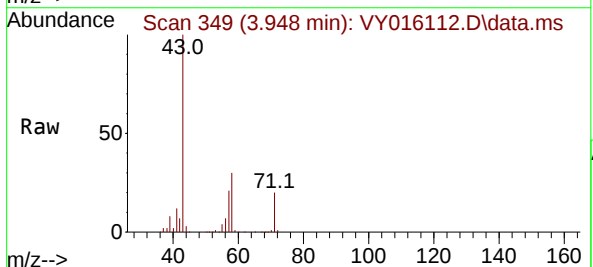
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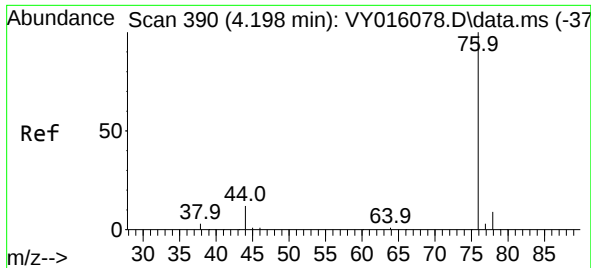
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#16
Acetone
Concen: 437.149 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

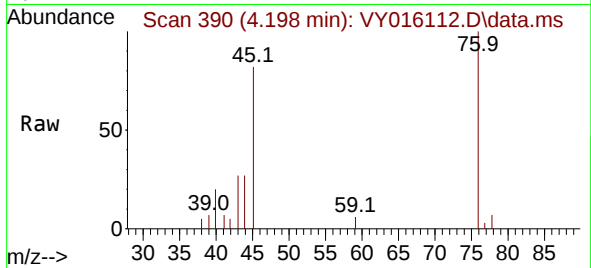
Tgt Ion: 43 Resp: 196792
Ion Ratio Lower Upper
43 100
58 29.3 22.7 34.1





#17
Carbon Disulfide
Concen: 1.536 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

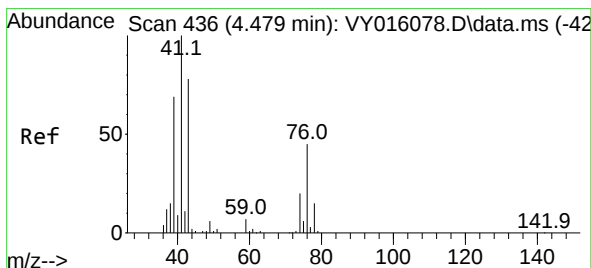
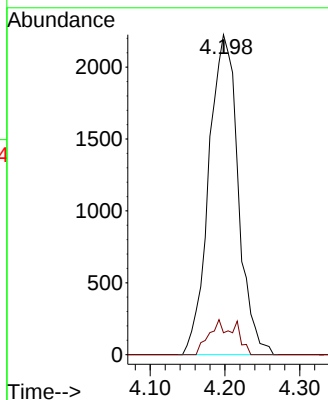
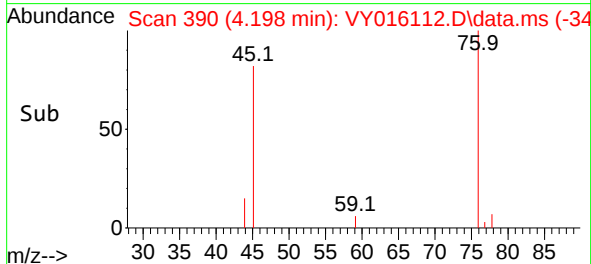
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ClientSampleId :
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Tgt Ion: 76 Resp: 606
Ion Ratio Lower Upper
76 100
78 6.8 7.0 10.4

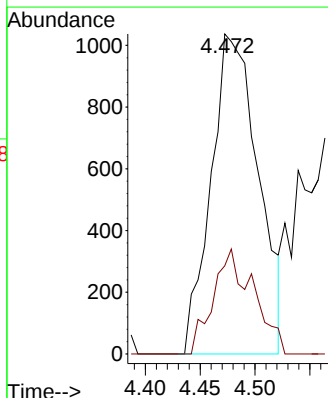
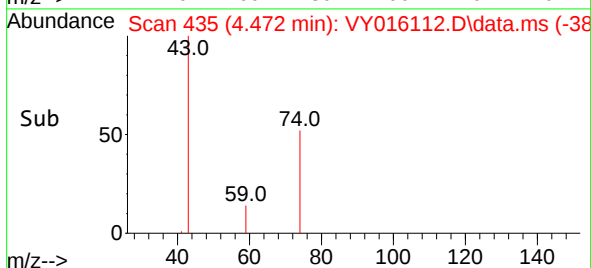
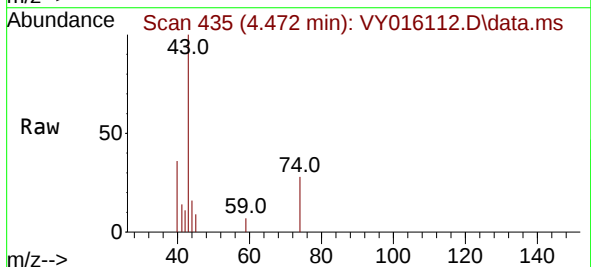
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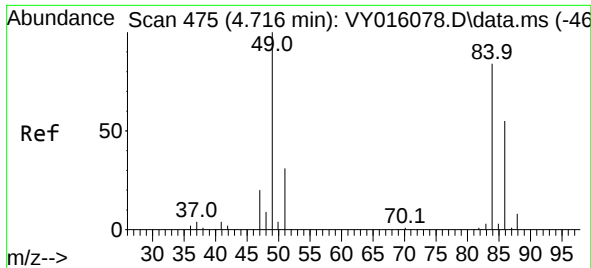
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#18
Methyl Acetate
Concen: 1.951 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

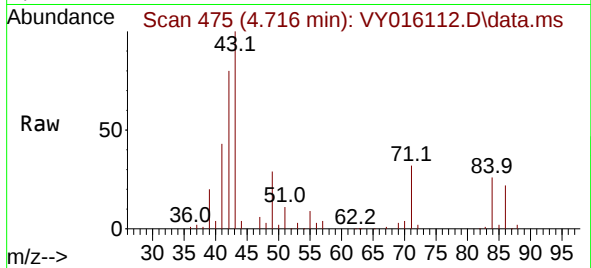
Tgt Ion: 43 Resp: 3106
Ion Ratio Lower Upper
43 100
74 28.0 17.4 26.0





#20
Methylene Chloride
Concen: 8.370 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

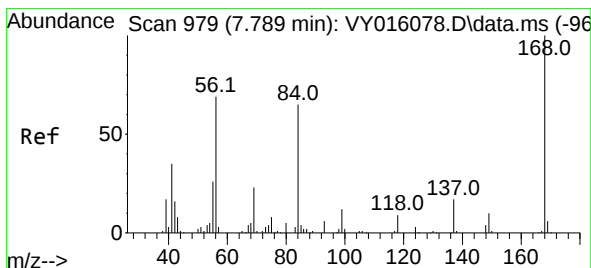
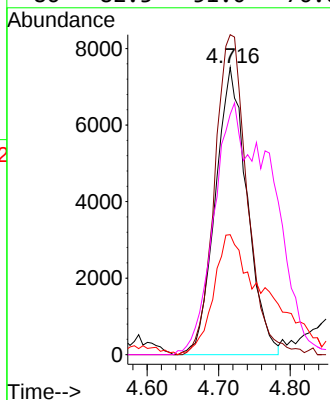
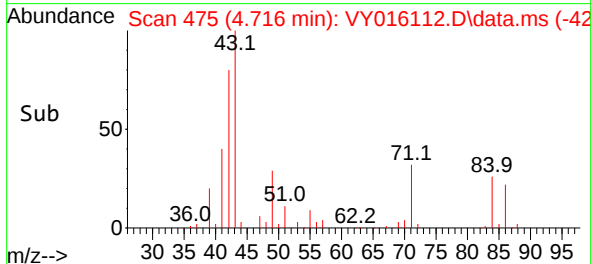
Instrument :
MSVOA_Y
ClientSampleId :
1074



Tgt Ion: 84 Resp: 2318
Ion Ratio Lower Upper
84 100
49 111.4 106.9 160.3
51 41.8 33.2 49.8
86 82.3 51.0 76.6#

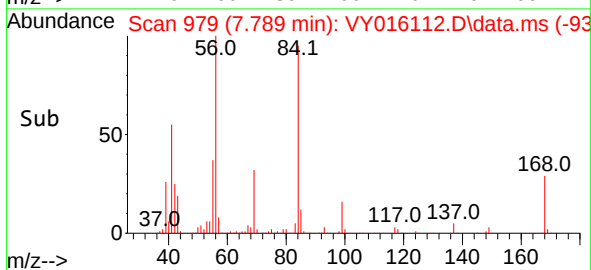
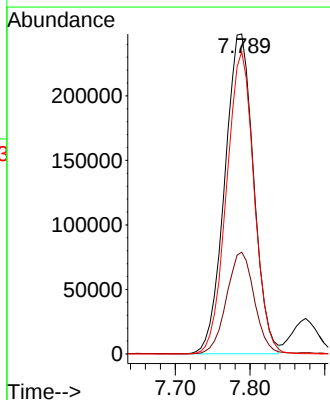
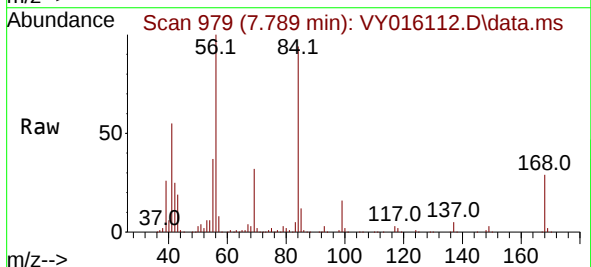
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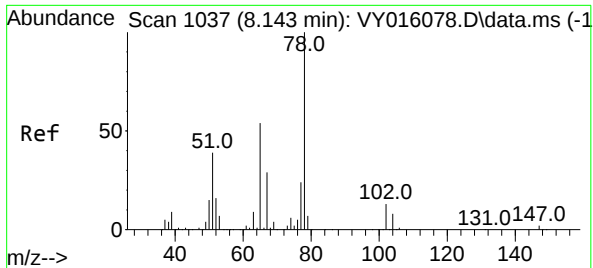
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#31
Cyclohexane
Concen: 254.860 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 56 Resp: 665920
Ion Ratio Lower Upper
56 100
69 31.7 27.8 41.6
84 94.5 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 56.773 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

1074

Tgt Ion: 65 Resp: 9429

Ion Ratio Lower Upper

65 100

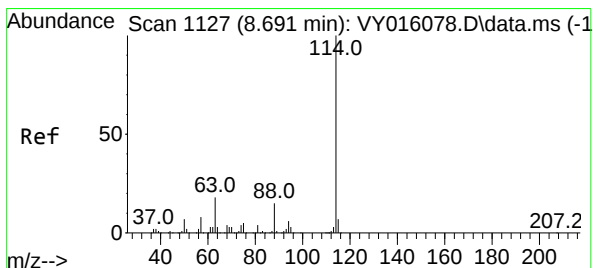
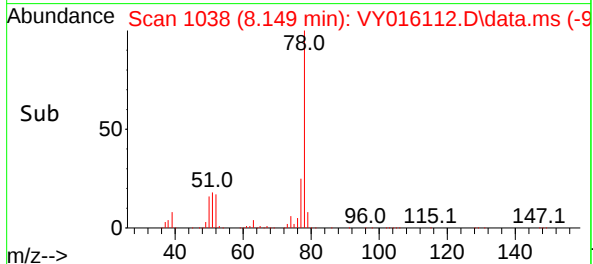
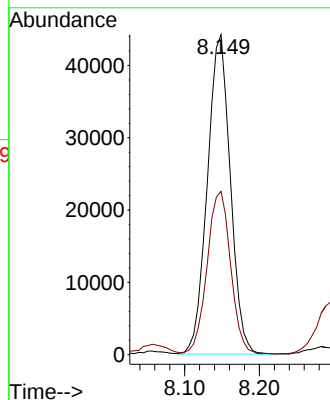
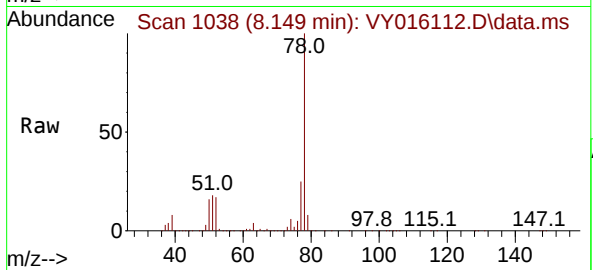
67 52.1 0.0 101.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

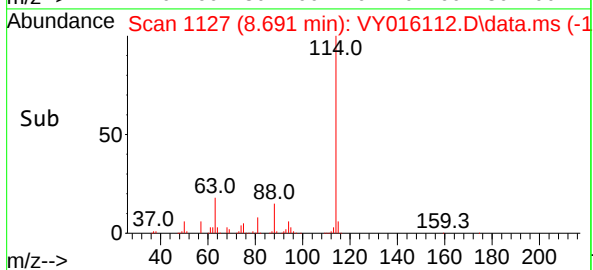
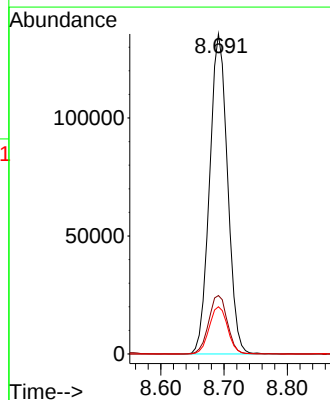
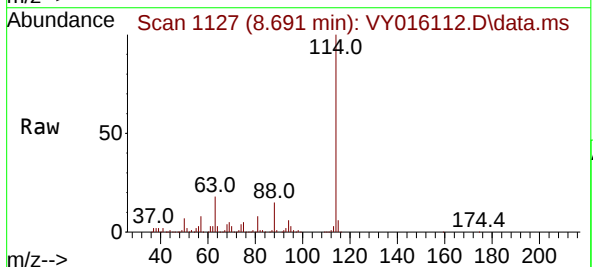
Tgt Ion:114 Resp: 267125

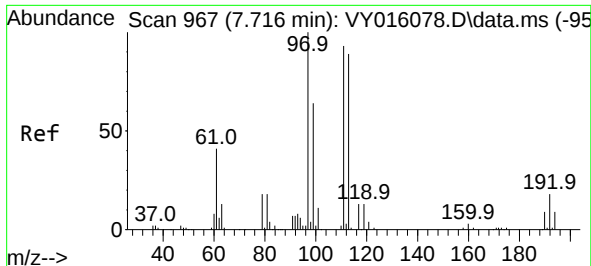
Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

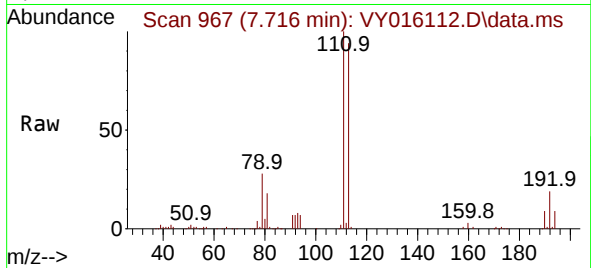
88 14.7 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.615 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

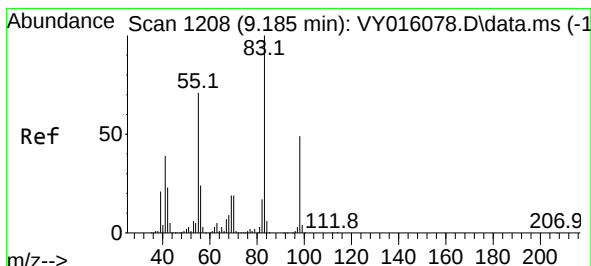
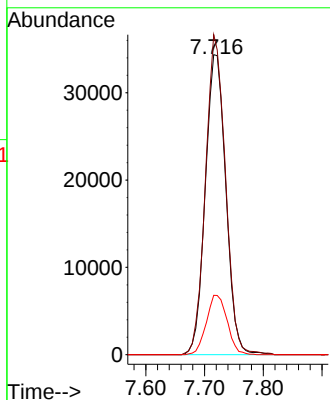
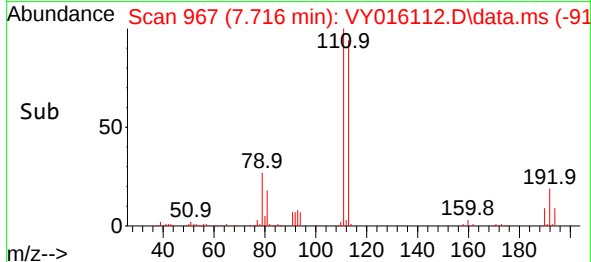
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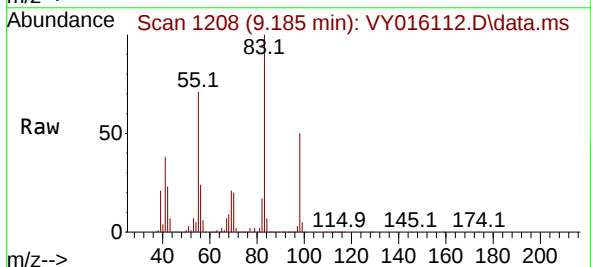
Tgt Ion: 113 Resp: 83669
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 20.0 16.9 25.3

Manual Integrations
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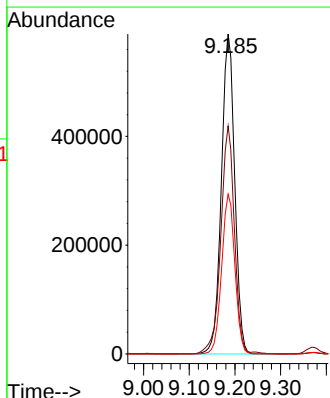
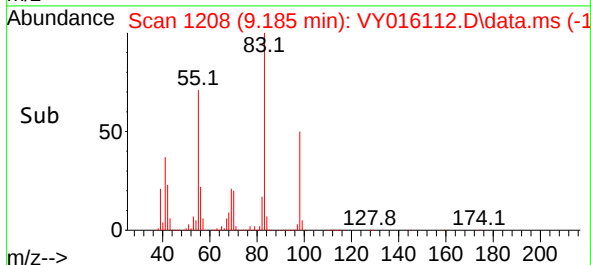
Reviewed By :Mahesh Dadoda 10/30/2023
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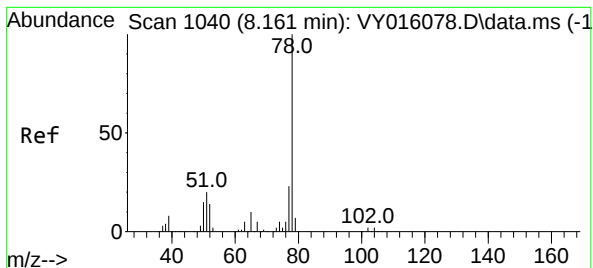


#39
Methylcyclohexane
Concen: 415.996 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30



Tgt Ion: 83 Resp: 1191273
Ion Ratio Lower Upper
83 100
55 71.2 63.0 94.4
98 49.9 37.4 56.2





#40

Benzene

Concen: 2354.934 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

1074

Tgt Ion: 78 Resp:1567254

Ion Ratio Lower Upper

78 100

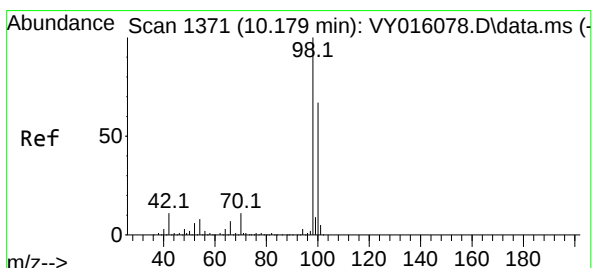
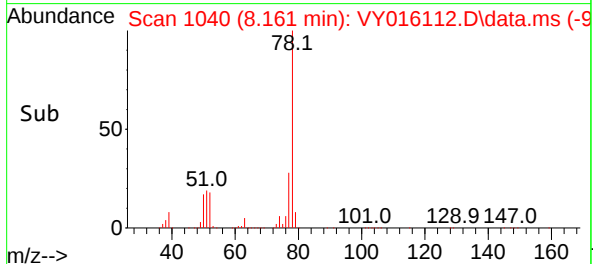
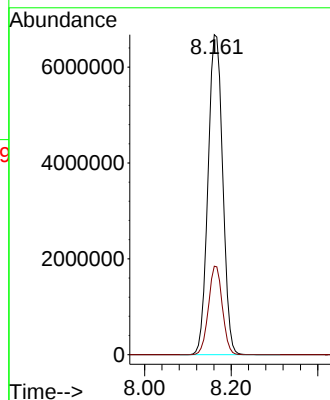
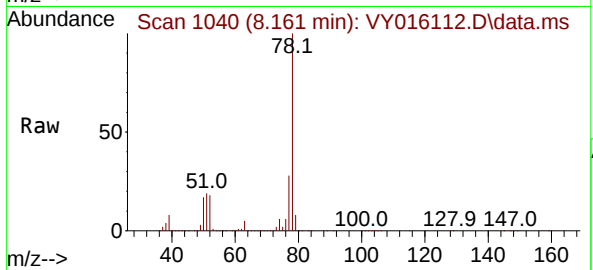
77 27.7 19.0 28.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/30/2023



#50

Toluene-d8

Concen: 55.095 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY016112.D

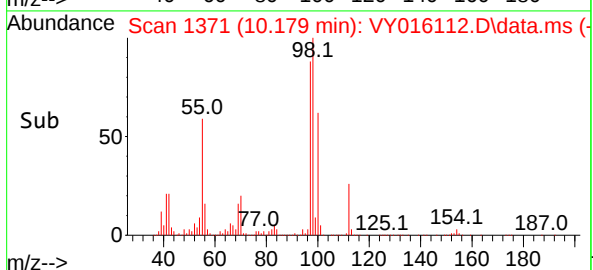
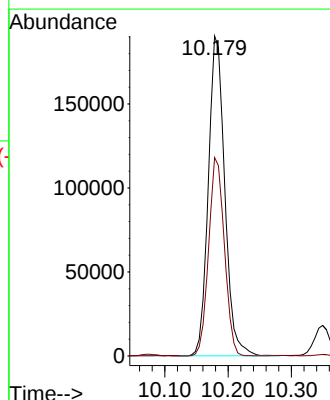
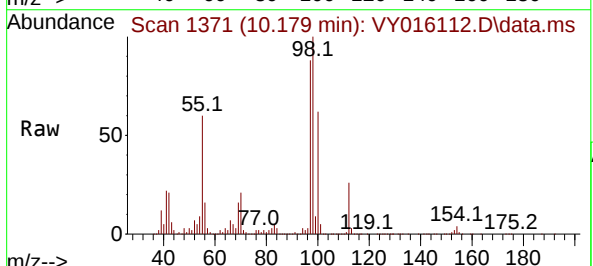
Acq: 27 Oct 2023 18:30

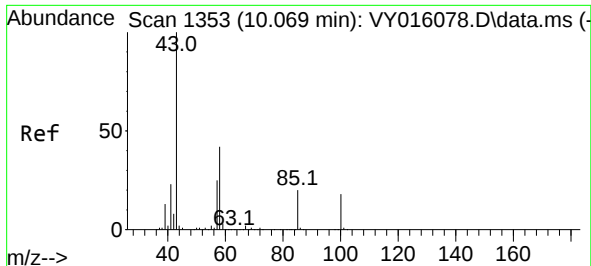
Tgt Ion: 98 Resp: 344153

Ion Ratio Lower Upper

98 100

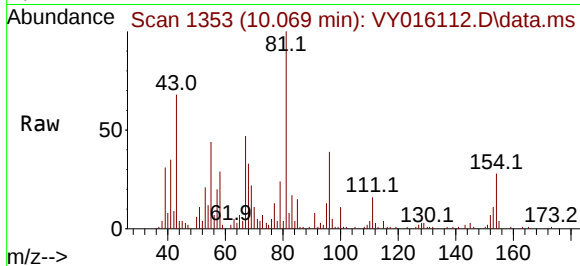
100 59.5 50.1 75.1





#51
4-Methyl-2-Pentanone
Concen: 9.602 ug/l
RT: 10.069 min Scan# 11414
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

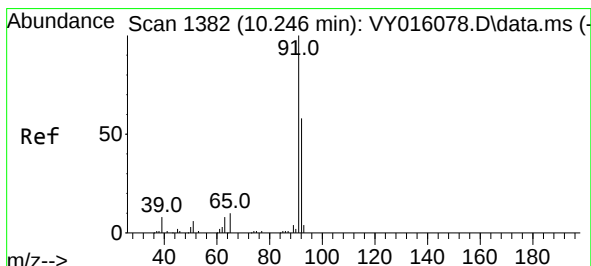
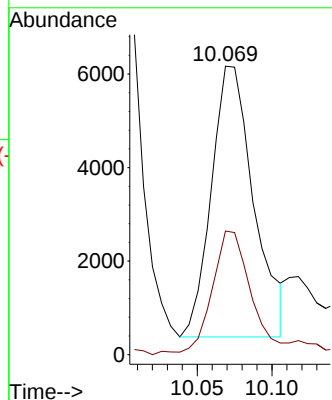
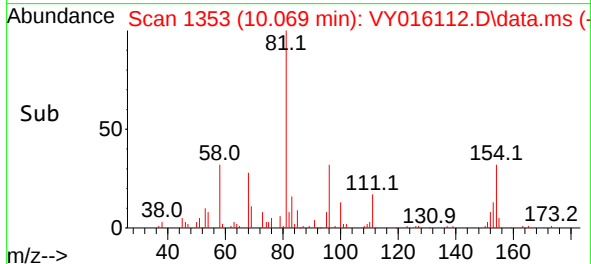
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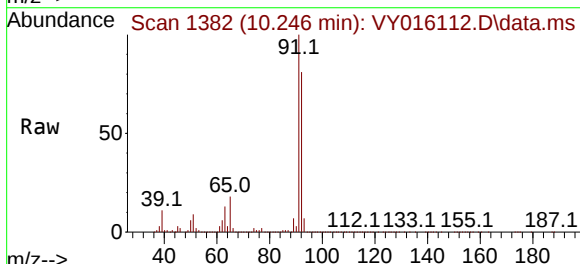
Tgt Ion: 43 Resp: 11414
Ion Ratio Lower Upper
43 100
58 42.5 29.0 43.6

Manual Integrations
APPROVED

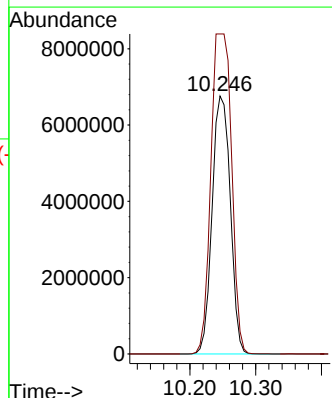
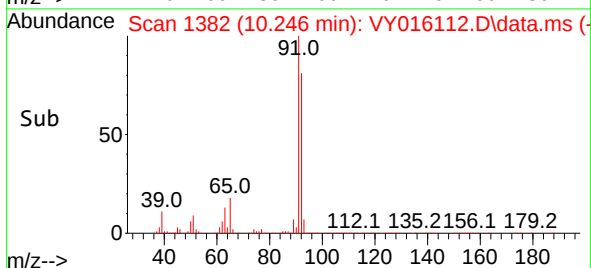
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

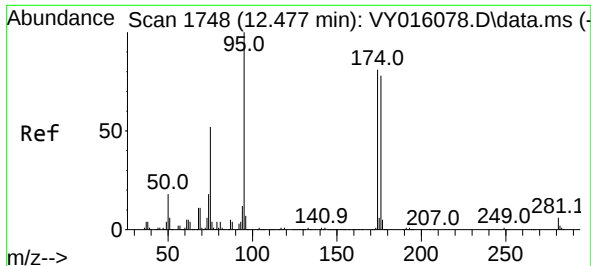


#52
Toluene
Concen: 3039.065 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30



Tgt Ion: 92 Resp:12987724
Ion Ratio Lower Upper
92 100
91 141.4 143.8 215.6#





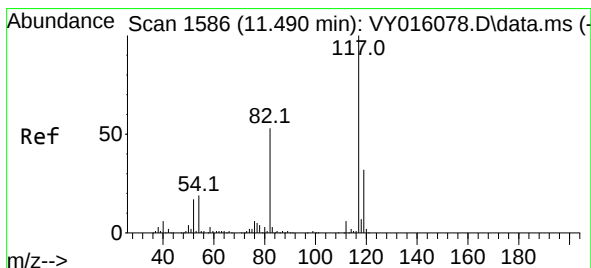
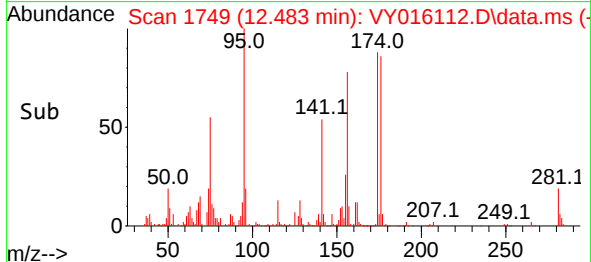
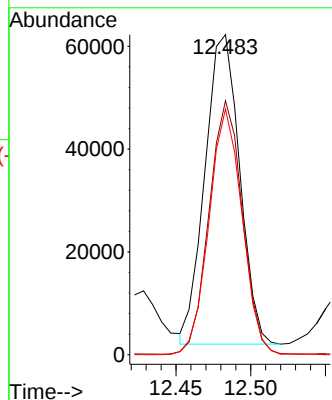
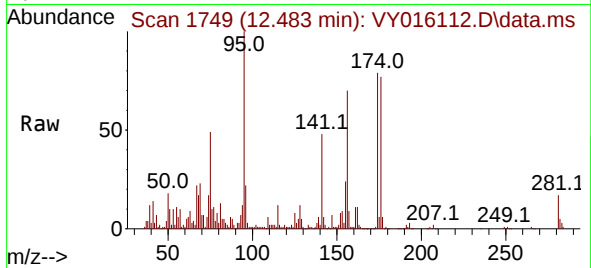
#62
4-Bromofluorobenzene
Concen: 45.326 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :
1074

Tgt Ion: 95 Resp: 97120
Ion Ratio Lower Upper
95 100
174 78.7 0.0 178.2
176 75.7 0.0 173.8

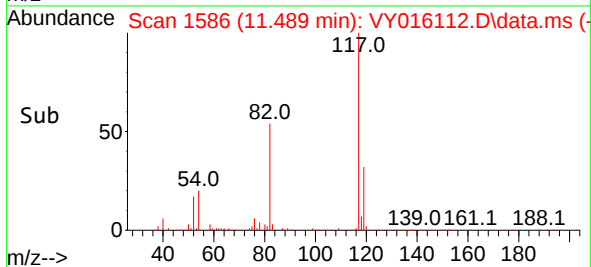
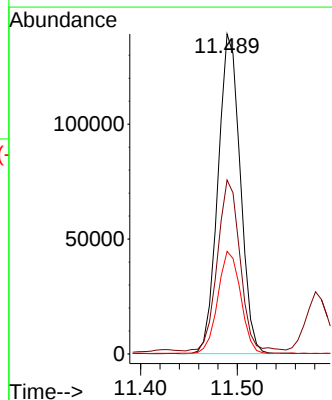
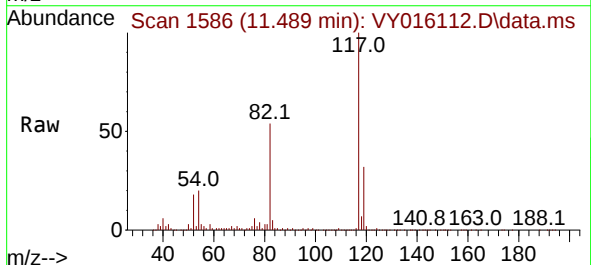
Manual Integrations
APPROVED

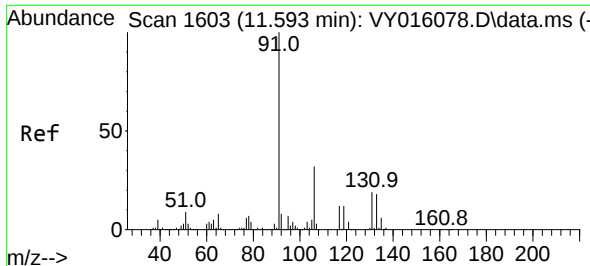
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

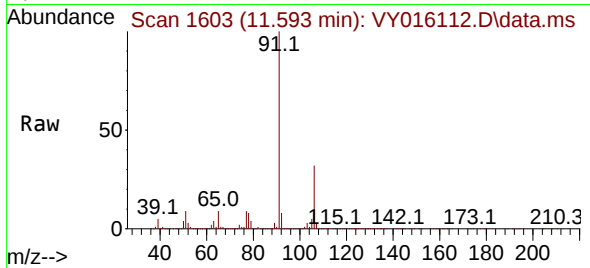
Tgt Ion:117 Resp: 221913
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.8 26.3 39.5





#67
Ethyl Benzene
Concen: 495.270 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

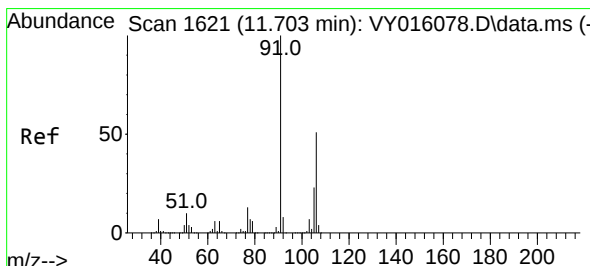
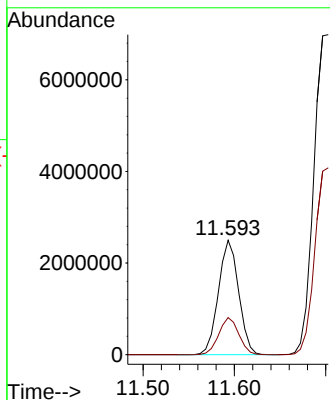
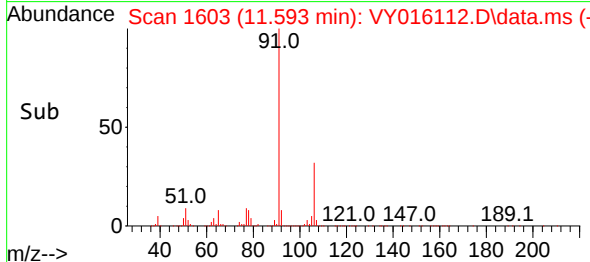
Instrument :
MSVOA_Y
ClientSampleId :
1074



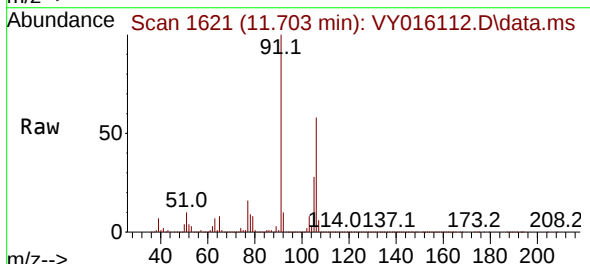
Tgt Ion: 91 Resp: 383632
Ion Ratio Lower Upper
91 100
106 32.4 24.6 36.8

Manual Integrations
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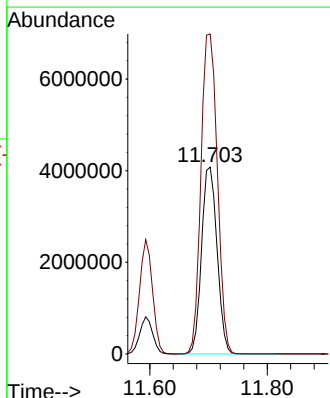
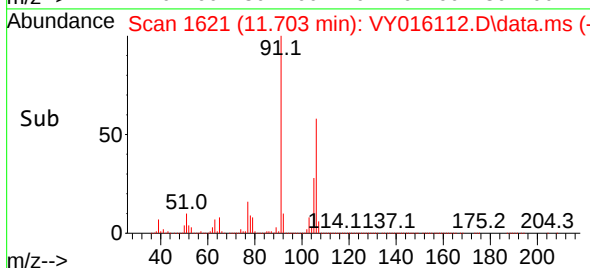
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

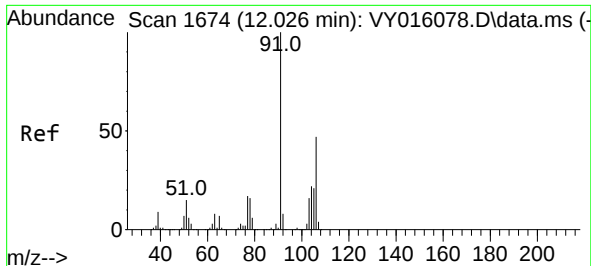


#68
m/p-Xylenes
Concen: 2491.055 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30



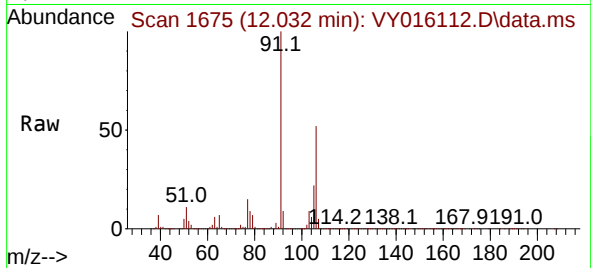
Tgt Ion:106 Resp: 7467188
Ion Ratio Lower Upper
106 100
91 181.2 166.1 249.1





#69
o-Xylene
Concen: 1426.153 ug/l
RT: 12.032 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

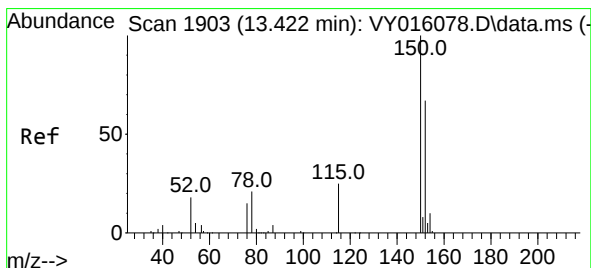
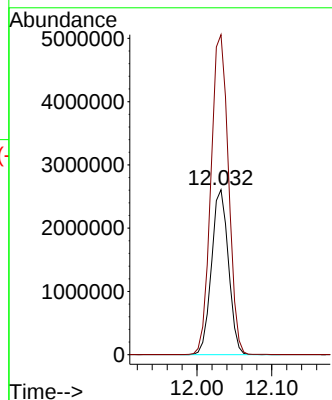
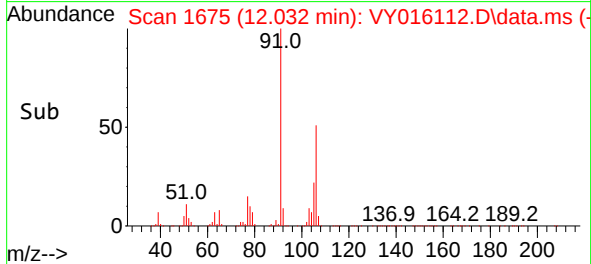
Instrument :
MSVOA_Y
ClientSampleId :
1074



Tgt Ion:106 Resp: 4092714
Ion Ratio Lower Upper
106 100
91 201.4 108.1 324.3

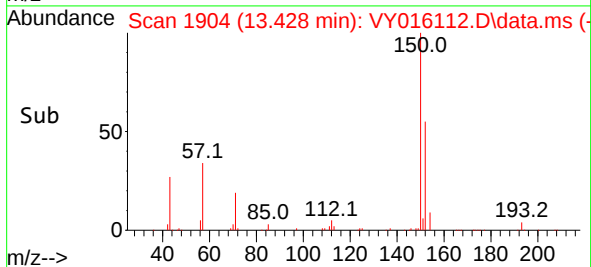
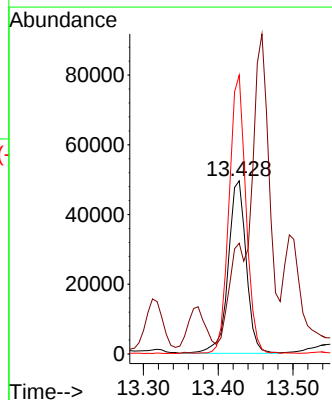
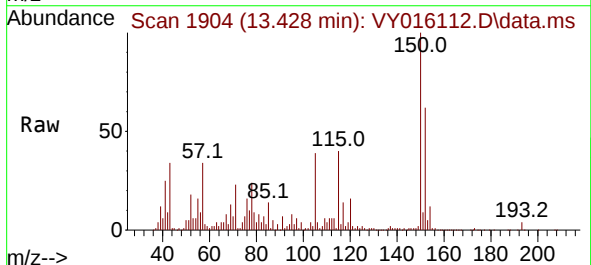
Manual Integrations
APPROVED

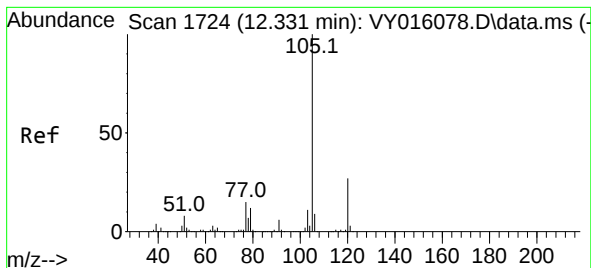
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion:152 Resp: 83139
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 150.4 0.0 348.8





#73

Isopropylbenzene

Concen: 72.479 ug/l

RT: 12.331 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

1074

Tgt Ion:105 Resp: 42407

Ion Ratio Lower Upper

105 100

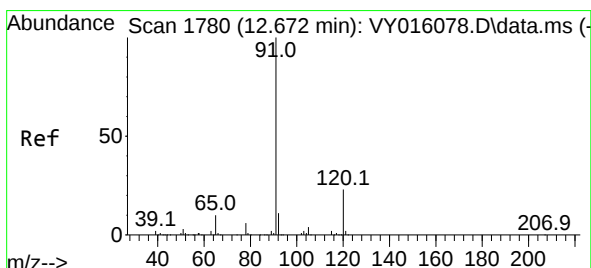
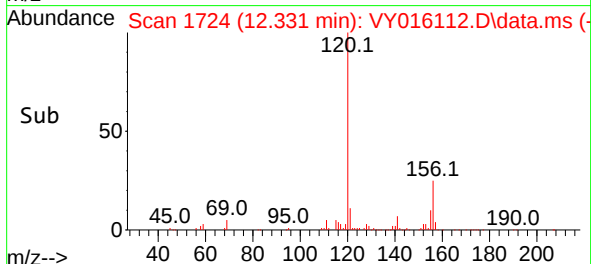
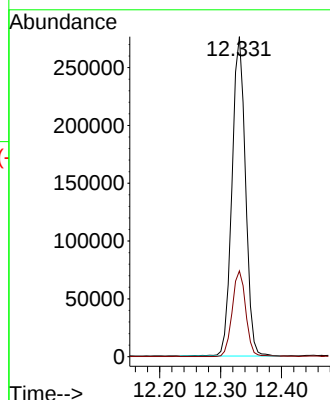
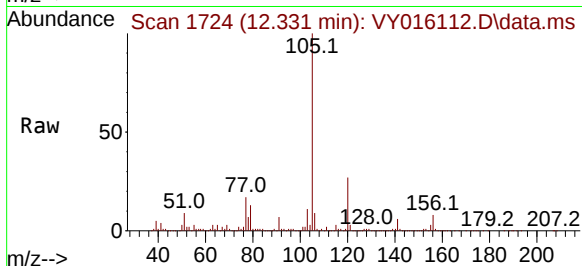
120 27.2 13.3 39.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#78

n-propylbenzene

Concen: 104.806 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016112.D

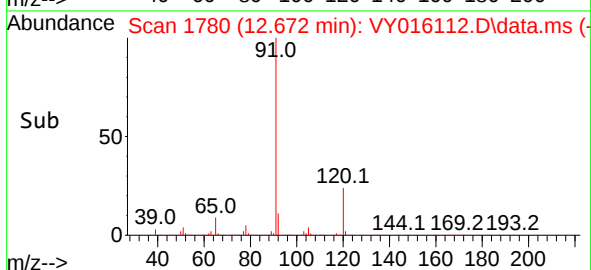
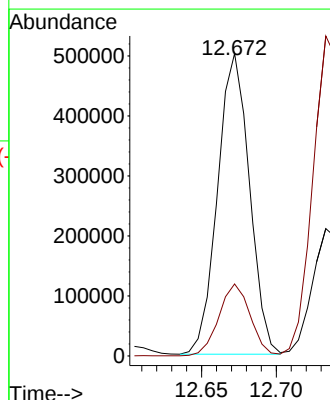
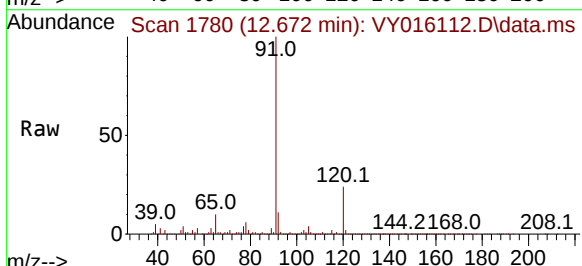
Acq: 27 Oct 2023 18:30

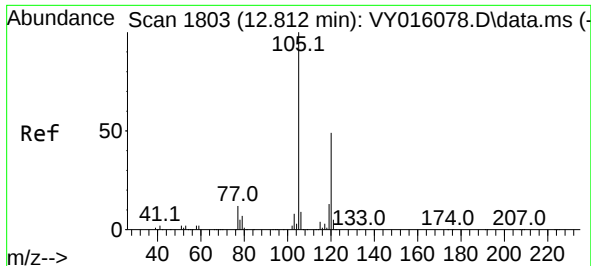
Tgt Ion: 91 Resp: 742496

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.4





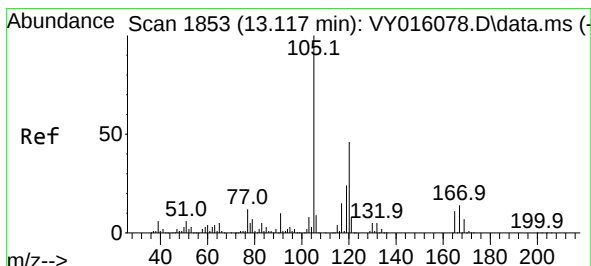
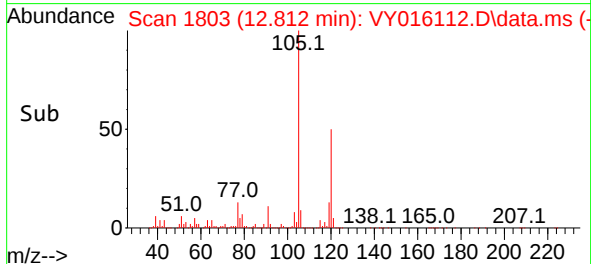
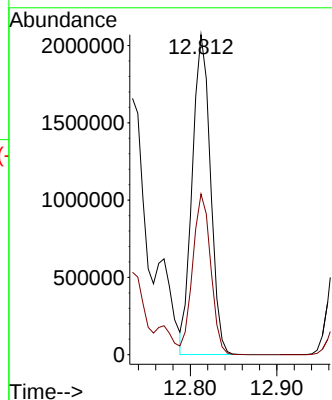
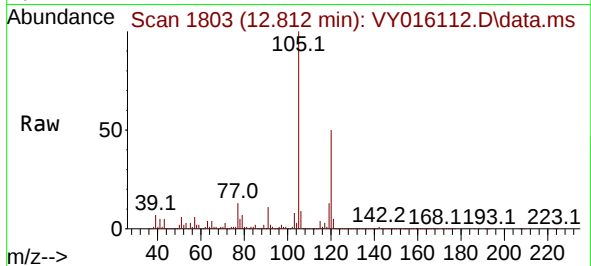
#80
1,3,5-Trimethylbenzene
Concen: 619.385 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :
1074

Tgt Ion:105 Resp: 300886
Ion Ratio Lower Upper
105 100
120 50.0 23.9 71.7

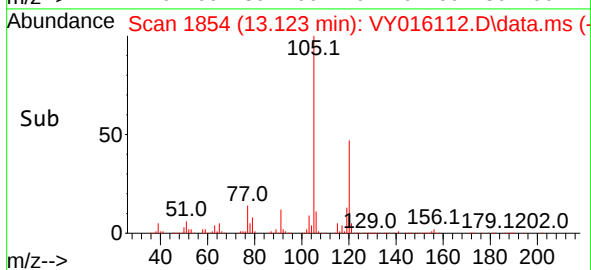
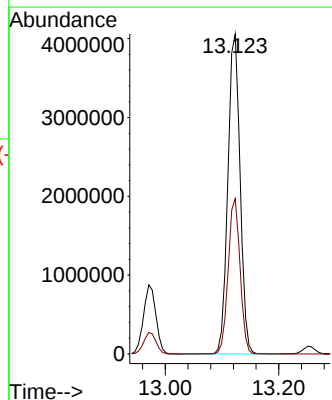
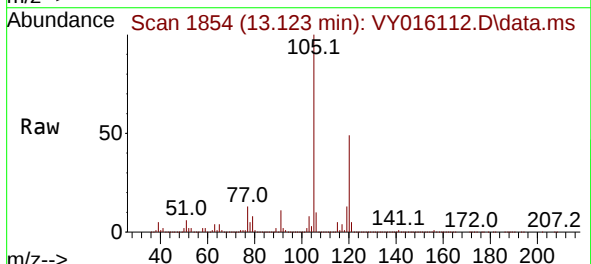
Manual Integrations
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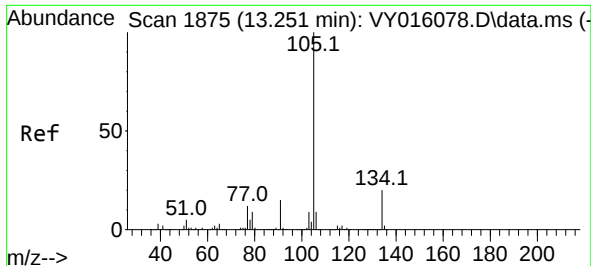
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#84
1,2,4-Trimethylbenzene
Concen: 1262.535 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion:105 Resp: 6057300
Ion Ratio Lower Upper
105 100
120 47.4 22.2 66.6





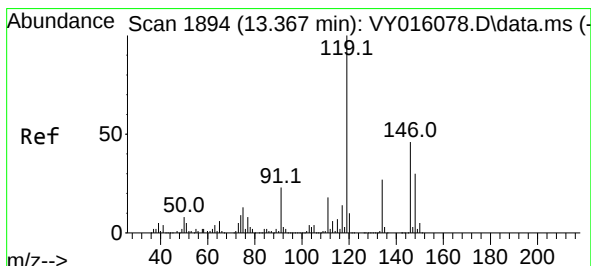
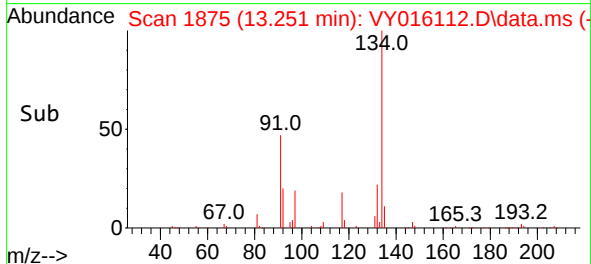
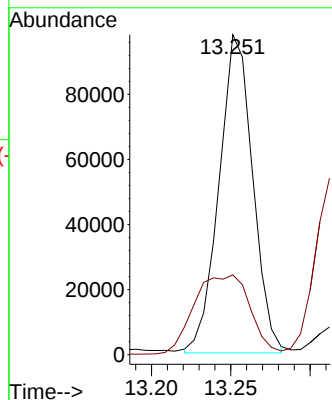
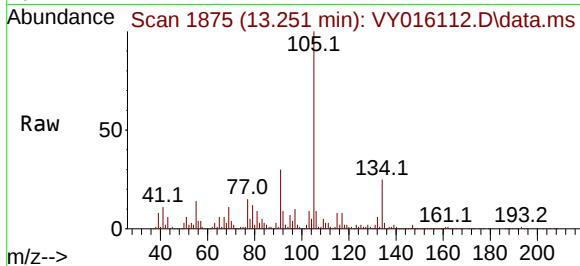
#85
 sec-Butylbenzene
 Concen: 22.520 ug/l m
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY016112.D
 Acq: 27 Oct 2023 18:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 1074

Tgt Ion:105 Resp: 144835
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6

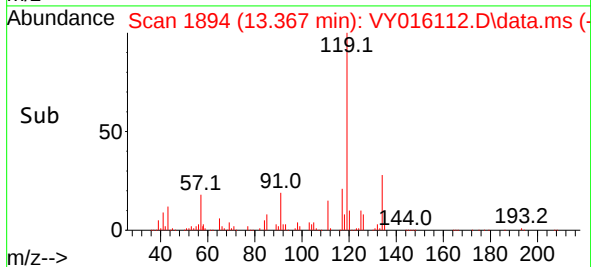
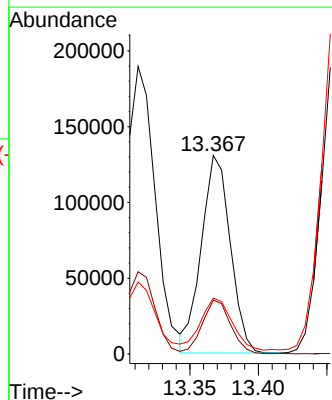
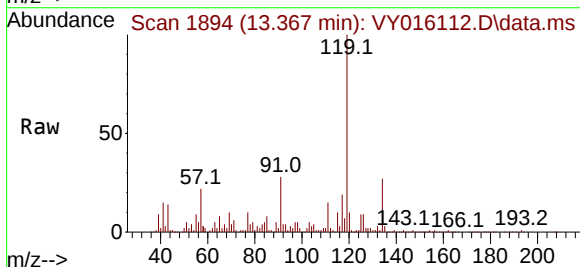
Manual Integrations
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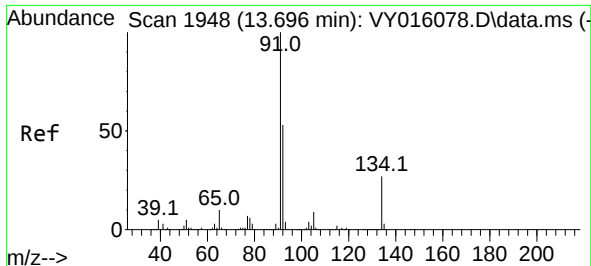
Reviewed By :Mahesh Dadoda 10/30/2023
 Supervised By :Semsettin Yesilyurt 10/30/2023



#86
 p-Isopropyltoluene
 Concen: 35.821 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY016112.D
 Acq: 27 Oct 2023 18:30

Tgt Ion:119 Resp: 192234
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 27.5 12.4 37.4





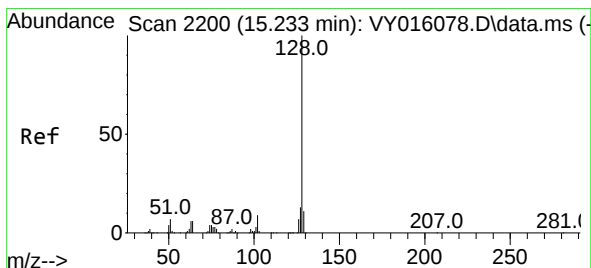
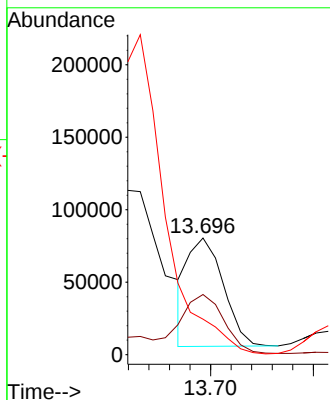
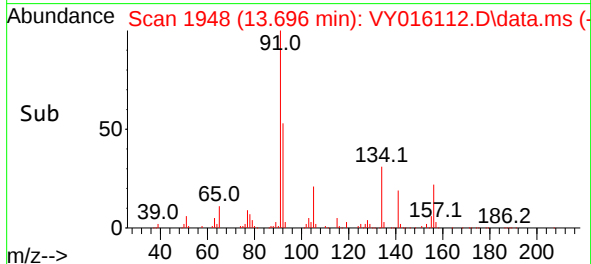
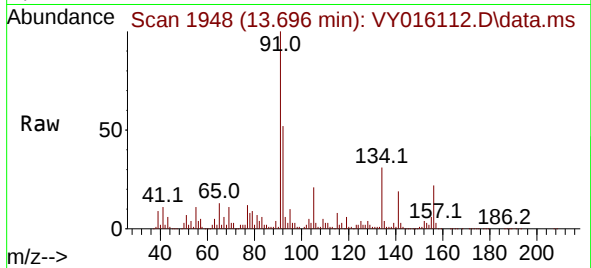
#89
n-Butylbenzene
Concen: 17.876 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :
1074

Tgt Ion: 91 Resp: 89490
Ion Ratio Lower Upper
91 100
92 83.7 25.4 76.0#
134 0.0 12.6 37.6#

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Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#95
Naphthalene
Concen: 6860.874 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion:128 Resp:20209023
Ion Ratio Lower Upper
128 100
127 20.2 10.8 16.2#
129 18.0 8.6 13.0#

