

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016114.D
 Acq On : 27 Oct 2023 19:17
 Operator : SY/MD
 Sample : 05107-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1076

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 06:12:58 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	149334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	234462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59407	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82718	55.705	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.420%			
35) Dibromofluoromethane	7.722	113	72378	48.899	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.800%			
50) Toluene-d8	10.185	98	313599	57.198	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.400%			
62) 4-Bromofluorobenzene	12.483	95	77725	41.328	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.660%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	103287	256.625	ug/l	99
17) Carbon Disulfide	4.198	76	15174	4.299	ug/l	98
20) Methylene Chloride	4.716	84	21661	9.045	ug/l #	86
31) Cyclohexane	7.783	56	716669	306.781	ug/l	93
39) Methylcyclohexane	9.185	83	1464785	582.765	ug/l	92
40) Benzene	8.161	78	23638058	4046.626	ug/l #	75
51) 4-Methyl-2-Pentanone	10.075	43	29608	28.378	ug/l	95
52) Toluene	10.252	92	16159793	4308.090	ug/l #	65
67) Ethyl Benzene	11.593	91	4199806	670.670	ug/l	97
68) m/p-Xylenes	11.703	106	8039836	3317.619	ug/l	82
69) o-Xylene	12.032	106	3978280	1714.760	ug/l	91
73) Isopropylbenzene	12.331	105	360231	86.162	ug/l	98
78) n-propylbenzene	12.672	91	727888	143.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	2510671	723.295	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	5441745	1587.340	ug/l	97
85) sec-Butylbenzene	13.251	105	135508m	29.487	ug/l	
86) p-Isopropyltoluene	13.367	119	180069	46.959	ug/l	97
89) n-Butylbenzene	13.696	91	100303	28.041	ug/l #	54
95) Naphthalene	15.233	128	18567934	8821.956	ug/l #	88

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

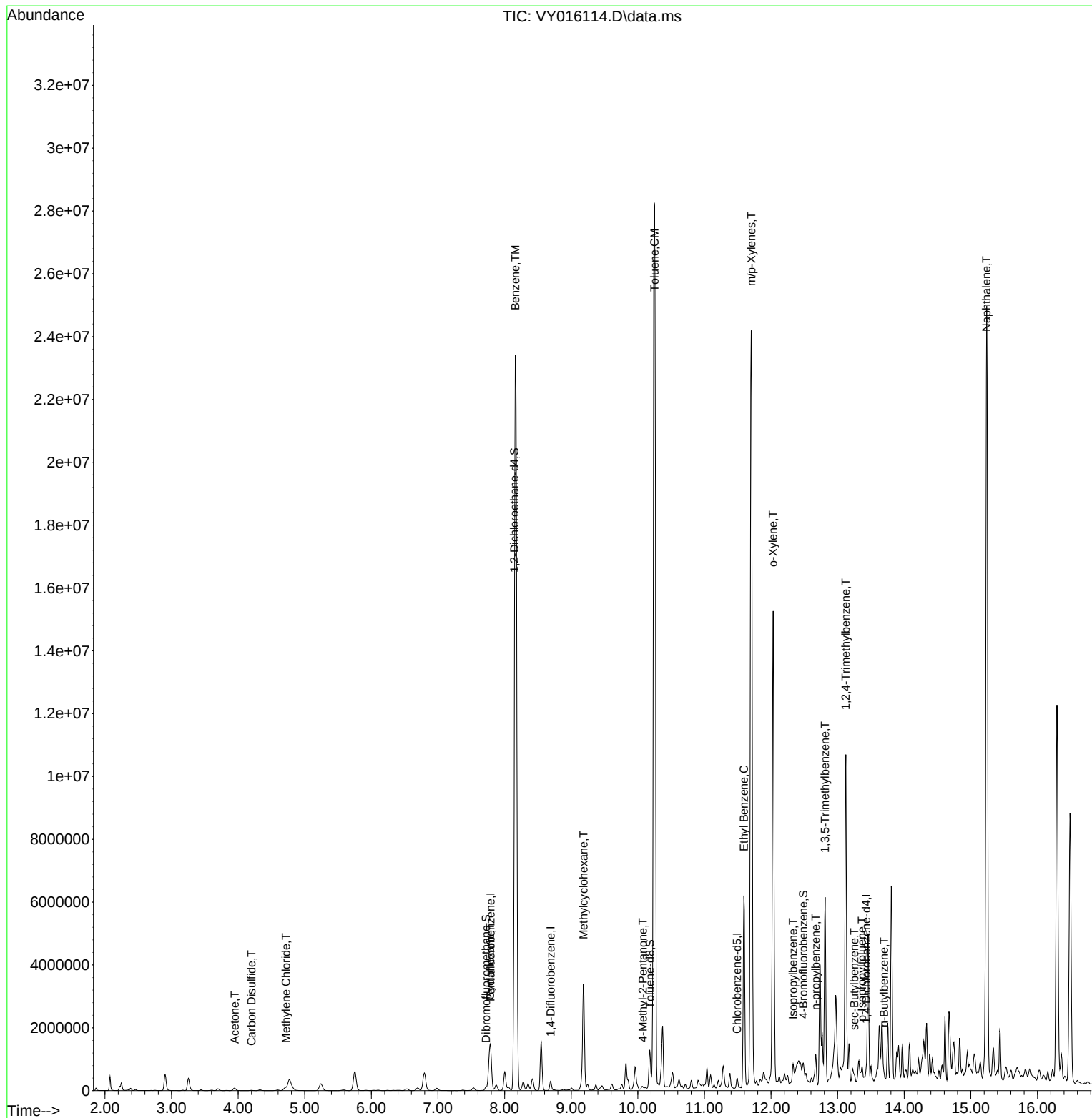
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
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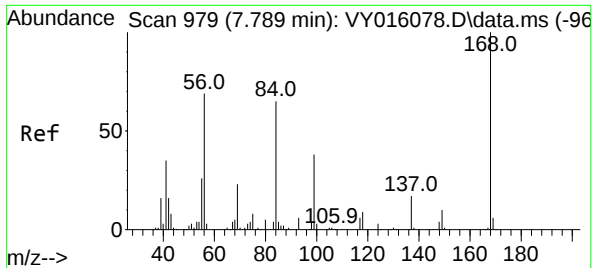
Instrument :
MSVOA_Y
ClientSampleId :
1076

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Supervised By :Semsettin Yesilyurt 10/30/2023

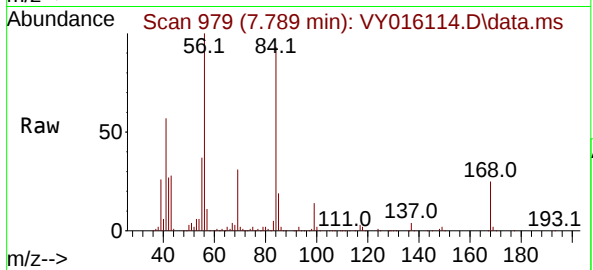
Quant Time: Oct 30 06:12:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 27 04:12:29 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

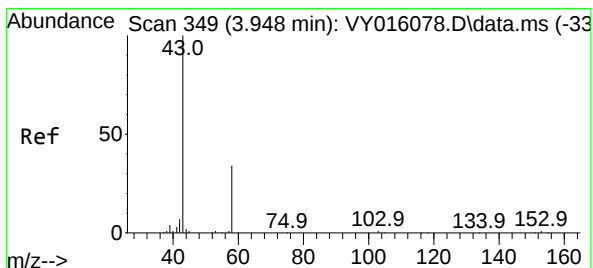
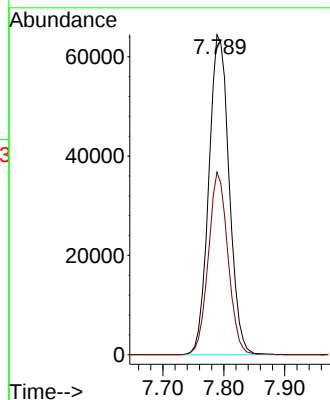
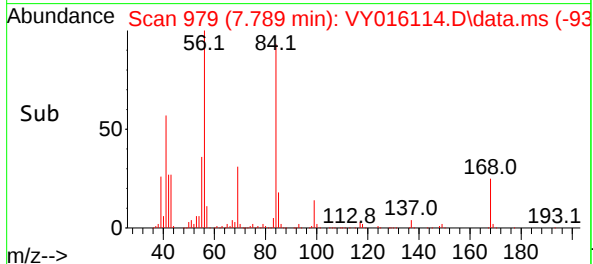
Instrument :
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1076



Tgt Ion:168 Resp: 149334
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0

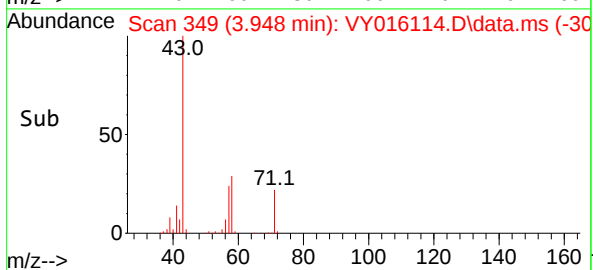
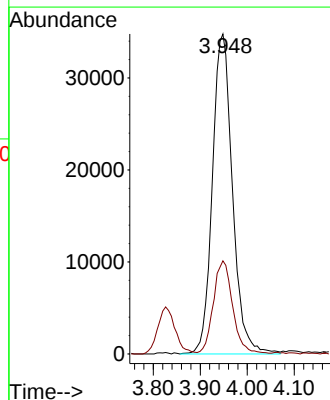
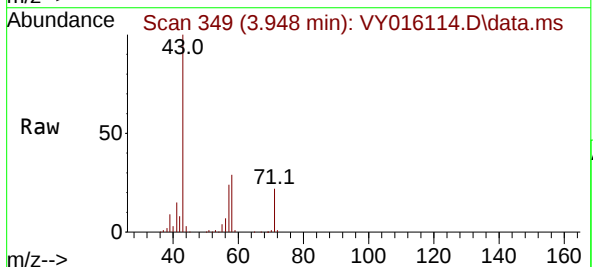
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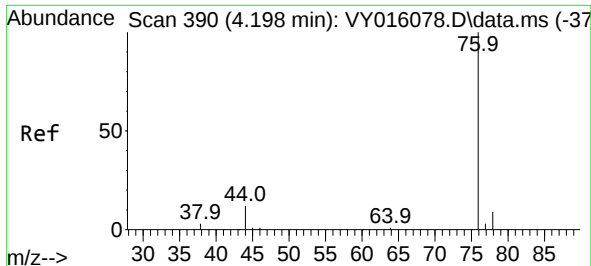
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#16
Acetone
Concen: 256.625 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

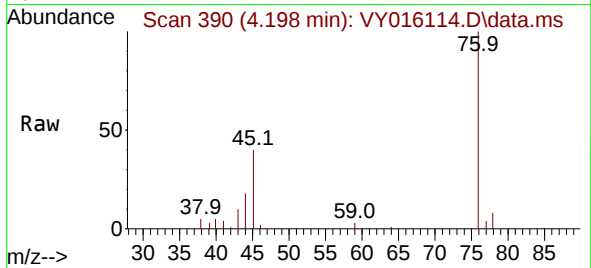
Tgt Ion: 43 Resp: 103287
Ion Ratio Lower Upper
43 100
58 28.8 22.7 34.1





#17
Carbon Disulfide
Concen: 4.299 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

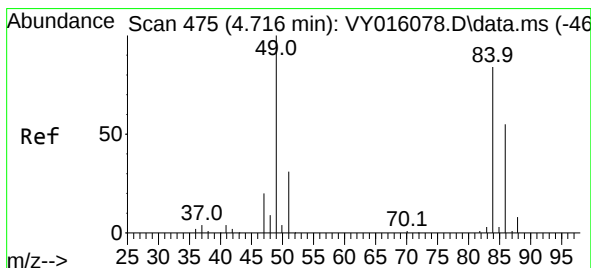
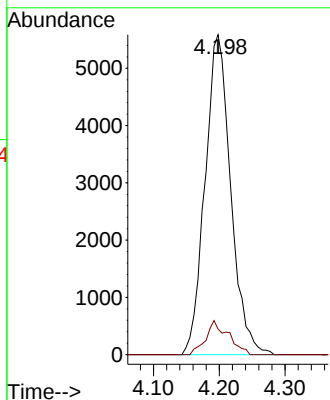
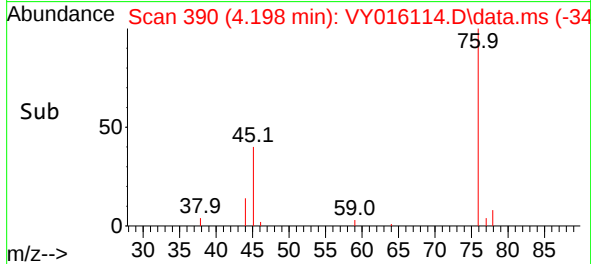
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ClientSampleId :
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Tgt Ion: 76 Resp: 15174
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4

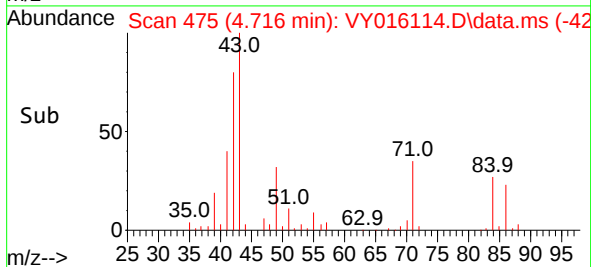
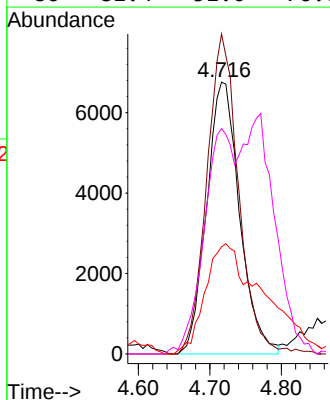
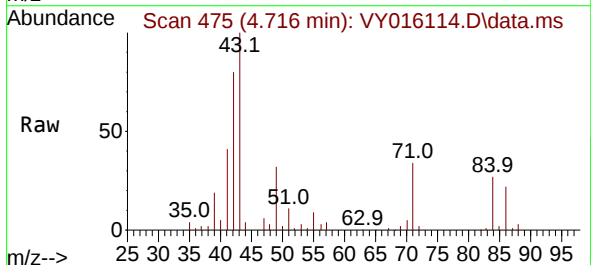
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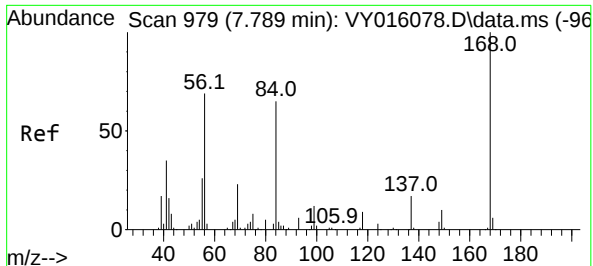
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#20
Methylene Chloride
Concen: 9.045 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

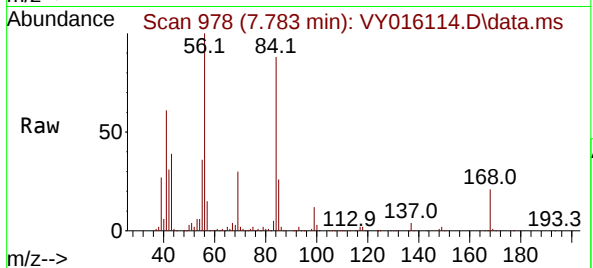
Tgt Ion: 84 Resp: 21661
Ion Ratio Lower Upper
84 100
49 117.7 106.9 160.3
51 38.2 33.2 49.8
86 81.4 51.0 76.6#





#31
Cyclohexane
Concen: 306.781 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

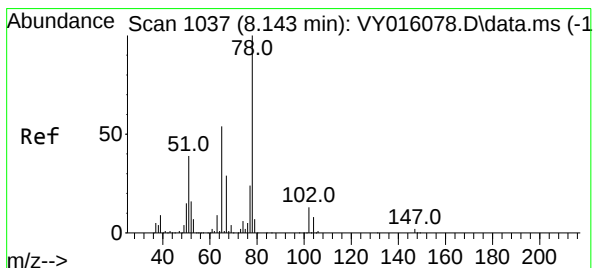
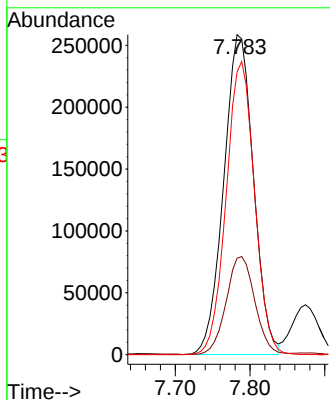
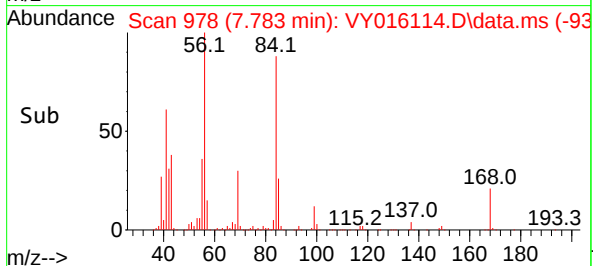
Instrument :
MSVOA_Y
ClientSampleId :
1076



Tgt Ion: 56 Resp: 71666
Ion Ratio Lower Upper
56 100
69 29.9 27.8 41.6
84 88.4 66.4 99.6

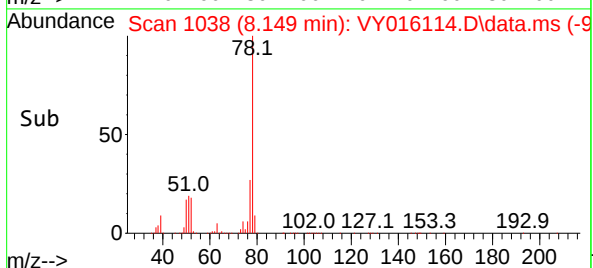
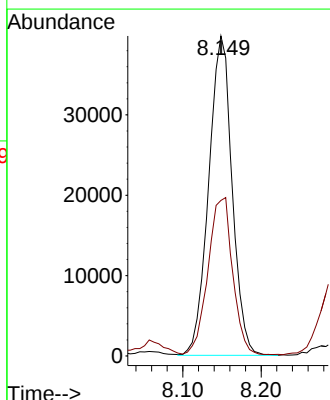
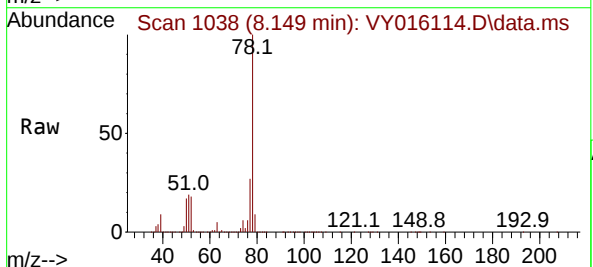
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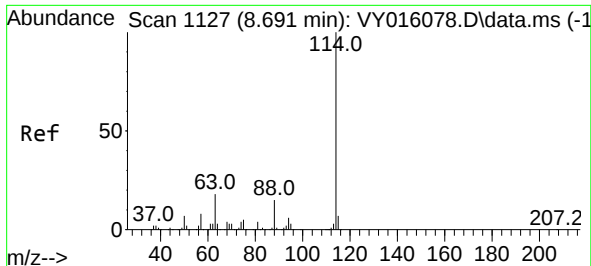
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#33
1,2-Dichloroethane-d4
Concen: 55.705 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 65 Resp: 82718
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

1076

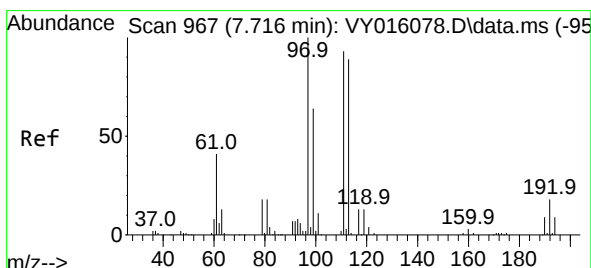
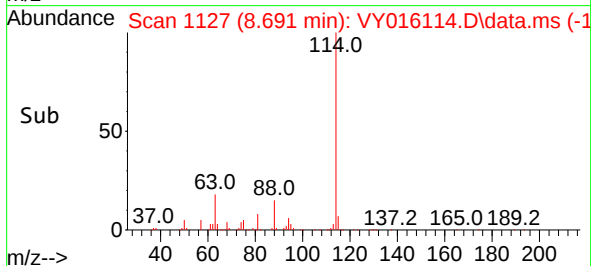
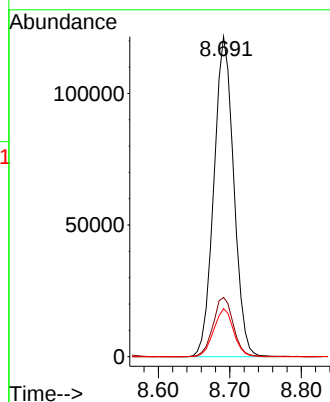
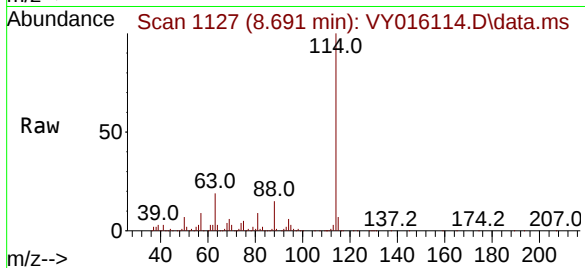
Tgt Ion:114 Resp: 234462

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	42.4
88	15.0	0.0	30.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 48.899 ug/l

RT: 7.722 min Scan# 968

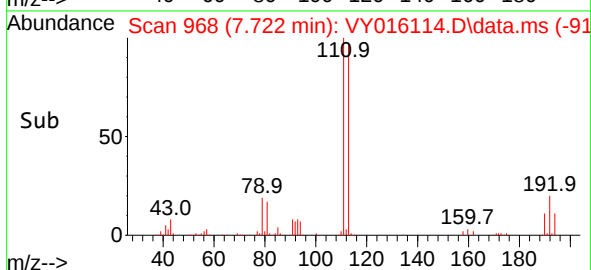
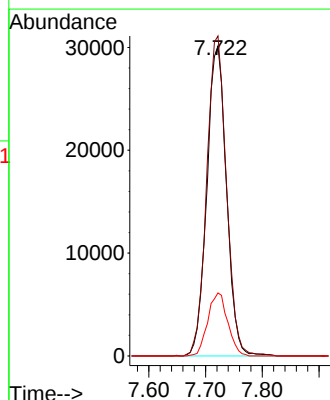
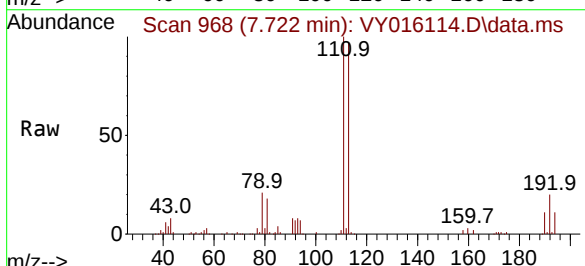
Delta R.T. 0.006 min

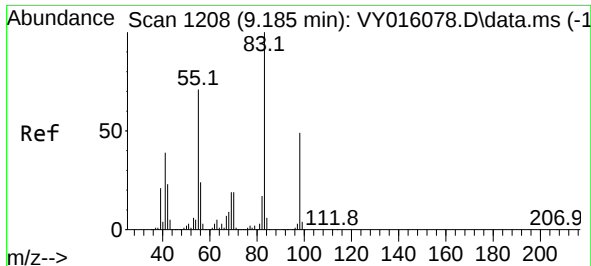
Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Tgt Ion:113 Resp: 72378

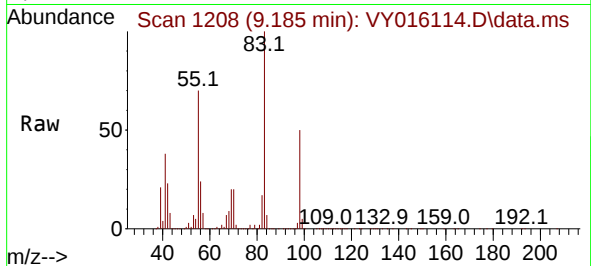
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	20.6	16.9	25.3





#39
Methylcyclohexane
Concen: 582.765 ug/l
RT: 9.185 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

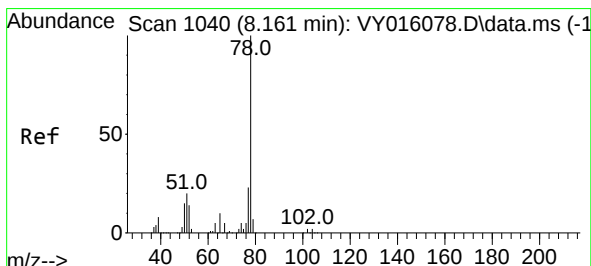
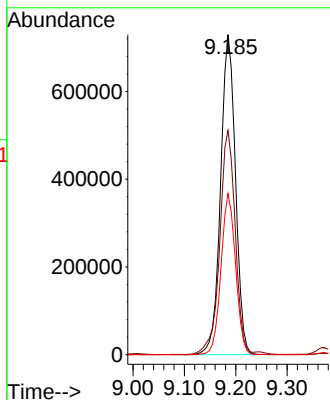
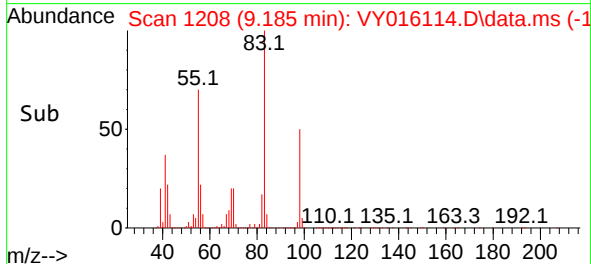
Instrument :
MSVOA_Y
ClientSampleId :
1076



Tgt Ion: 83 Resp: 146478
Ion Ratio Lower Upper
83 100
55 70.0 63.0 94.4
98 50.4 37.4 56.2

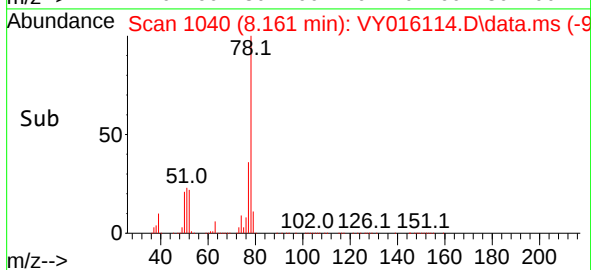
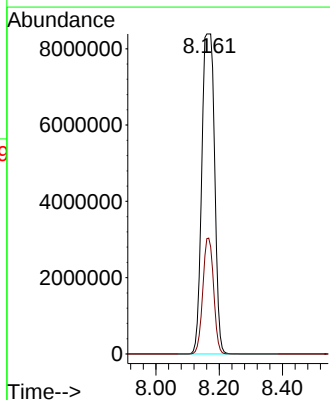
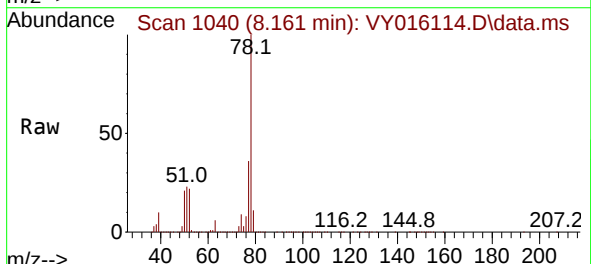
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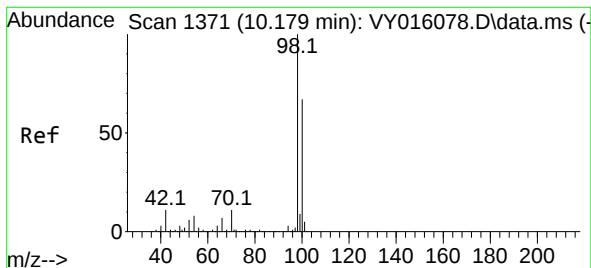
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#40
Benzene
Concen: 4046.626 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

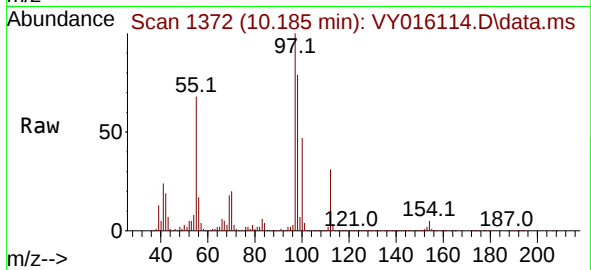
Tgt Ion: 78 Resp:23638058
Ion Ratio Lower Upper
78 100
77 36.1 19.0 28.6#





#50
Toluene-d8
Concen: 57.198 ug/l
RT: 10.185 min Scan# 11076
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

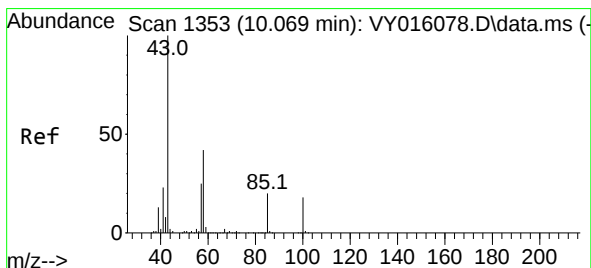
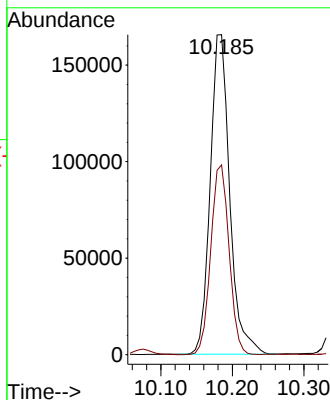
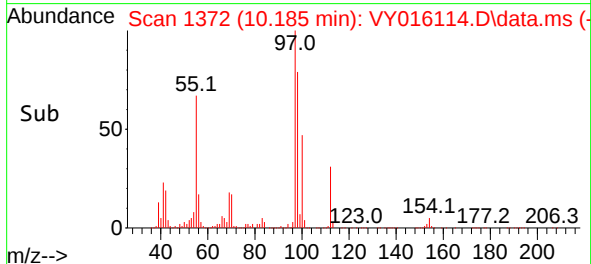
Instrument :
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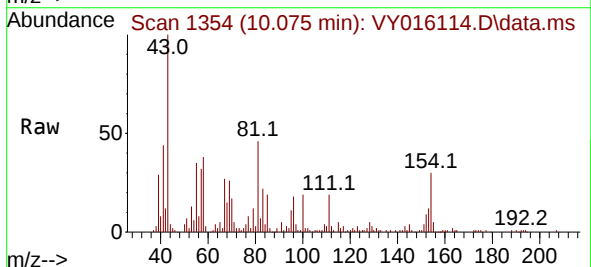
Tgt Ion: 98 Resp: 31359
Ion Ratio Lower Upper
98 100
100 55.8 50.1 75.1

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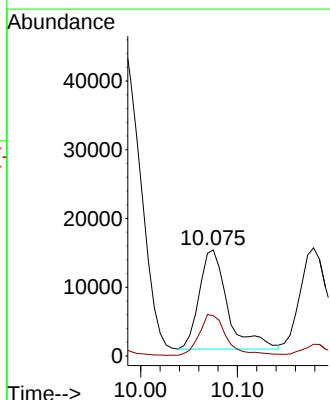
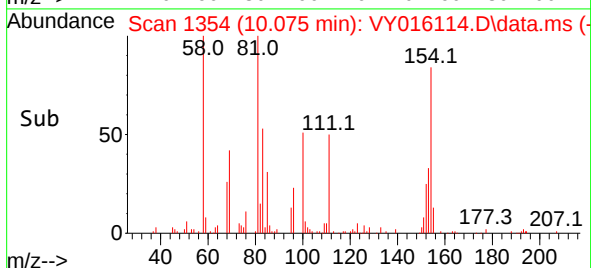
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

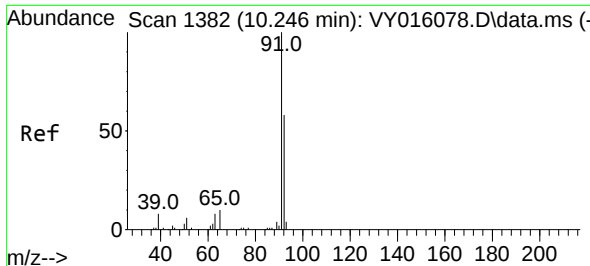


#51
4-Methyl-2-Pentanone
Concen: 28.378 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17



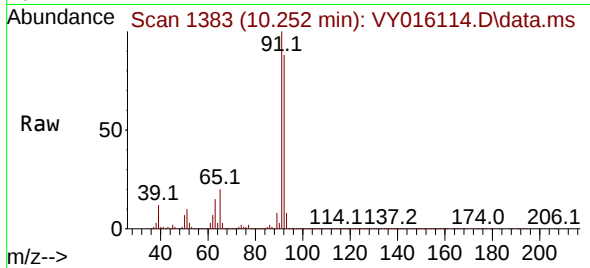
Tgt Ion: 43 Resp: 29608
Ion Ratio Lower Upper
43 100
58 39.2 29.0 43.6





#52
Toluene
Concen: 4308.090 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

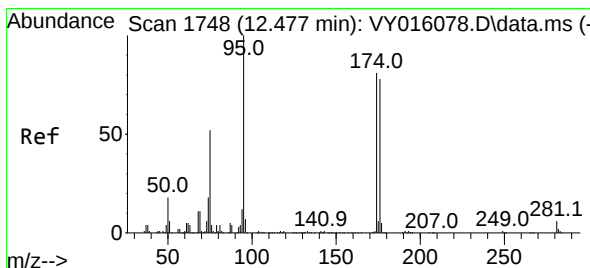
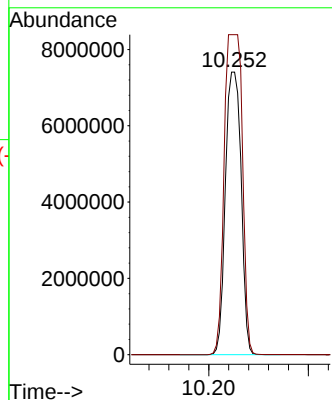
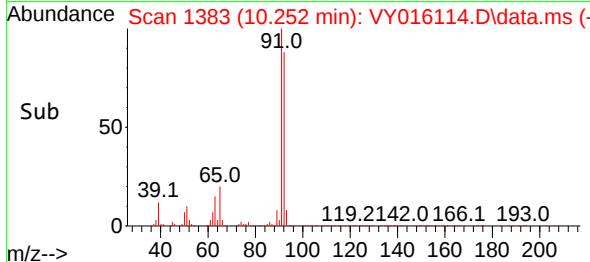
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 92 Resp:1615979
Ion Ratio Lower Upper
92 100
91 130.7 143.8 215.6

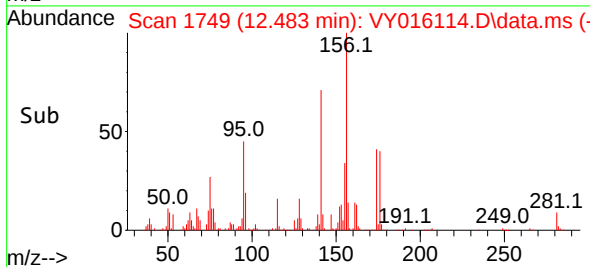
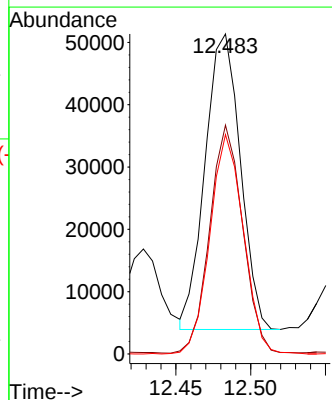
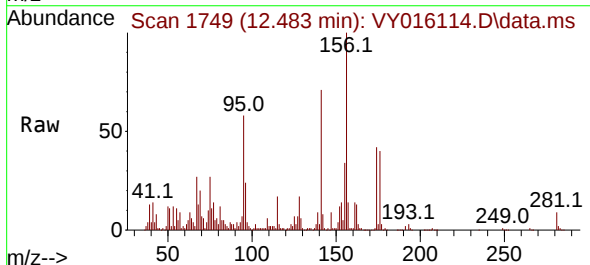
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APPROVED

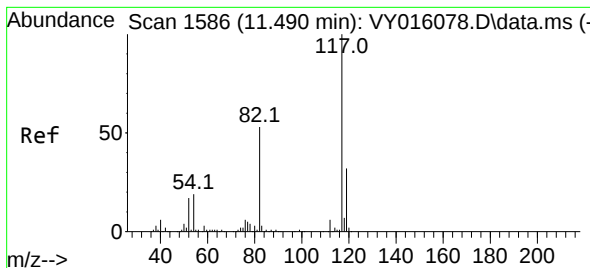
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#62
4-Bromofluorobenzene
Concen: 41.328 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 95 Resp: 77725
Ion Ratio Lower Upper
95 100
174 72.0 0.0 178.2
176 70.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

1076

Tgt Ion:117 Resp: 17940

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

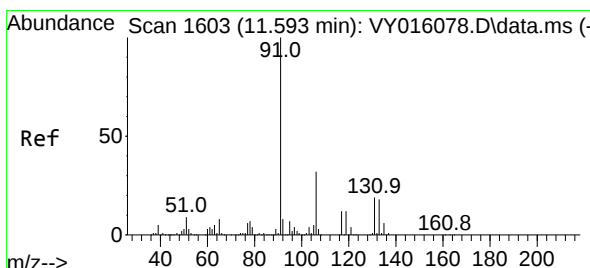
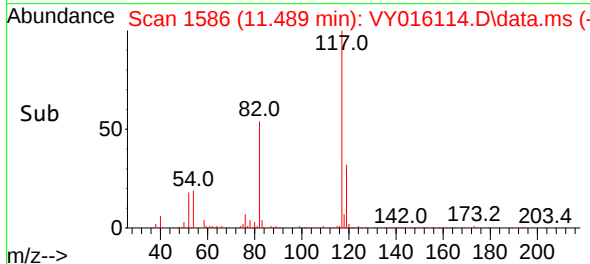
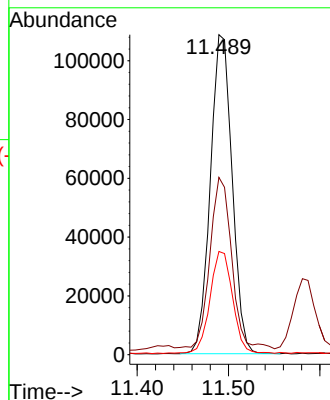
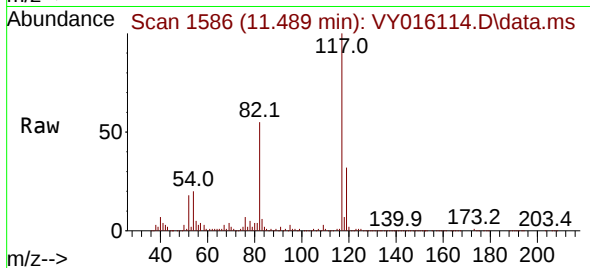
119 31.7 26.3 39.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#67

Ethyl Benzene

Concen: 670.670 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY016114.D

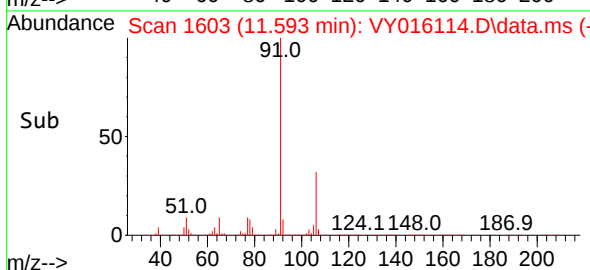
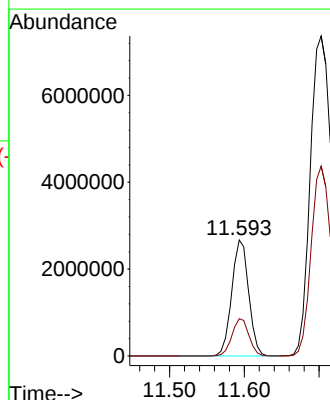
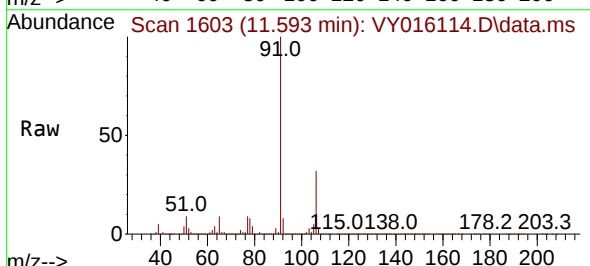
Acq: 27 Oct 2023 19:17

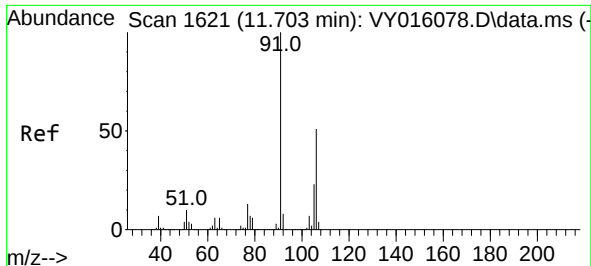
Tgt Ion: 91 Resp: 4199806

Ion Ratio Lower Upper

91 100

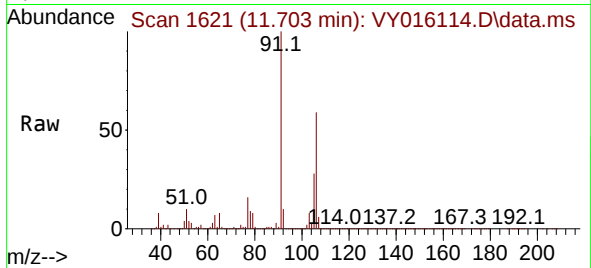
106 32.1 24.6 36.8





#68
m/p-Xylenes
Concen: 3317.619 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

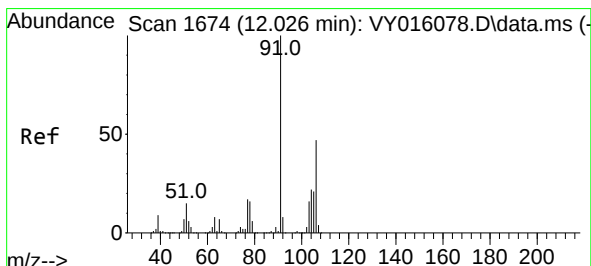
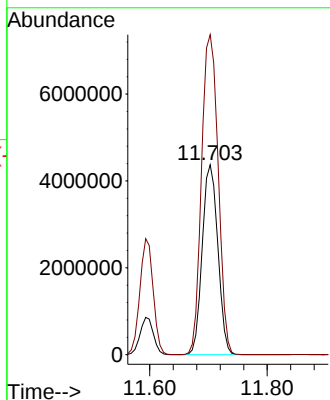
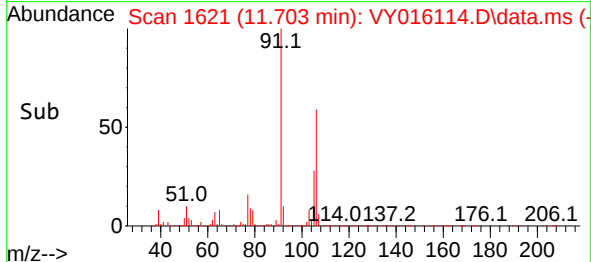
Instrument :
MSVOA_Y
ClientSampleId :
1076



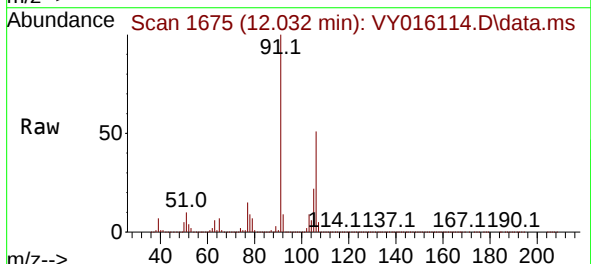
Tgt Ion:106 Resp: 8039830
Ion Ratio Lower Upper
106 100
91 179.5 166.1 249.1

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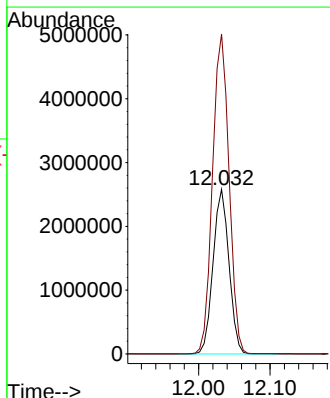
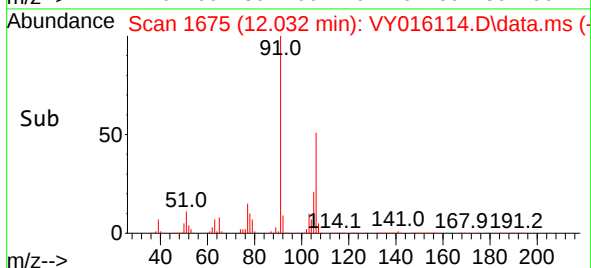
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

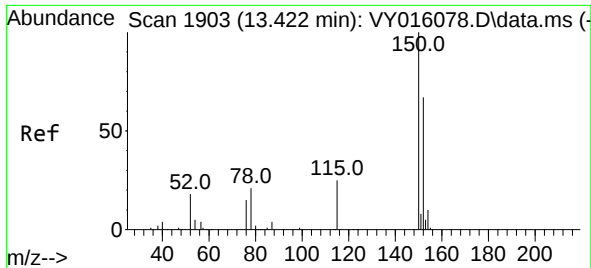


#69
o-Xylene
Concen: 1714.760 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17



Tgt Ion:106 Resp: 3978280
Ion Ratio Lower Upper
106 100
91 201.9 108.1 324.3





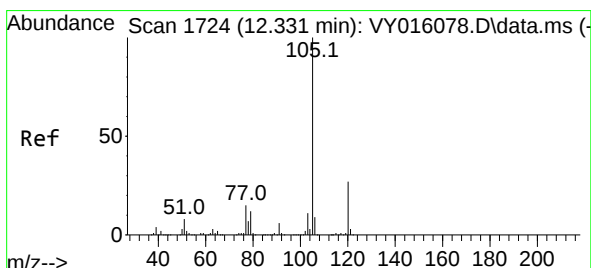
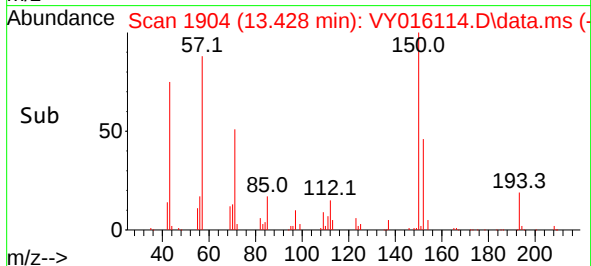
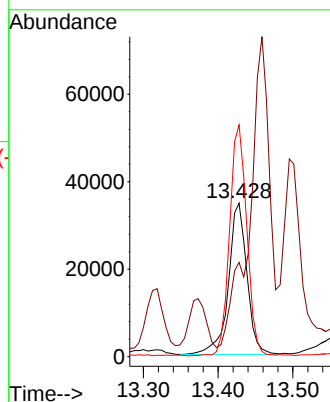
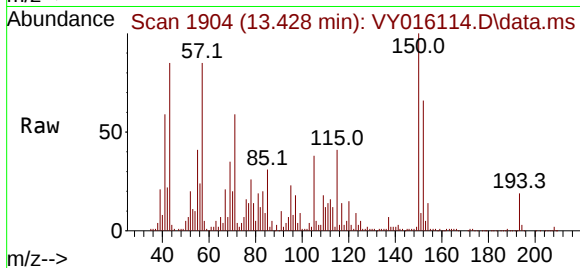
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Instrument :
MSVOA_Y
ClientSampleId :
1076

Tgt Ion:152 Resp: 5940
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5
150 142.8 0.0 348.8

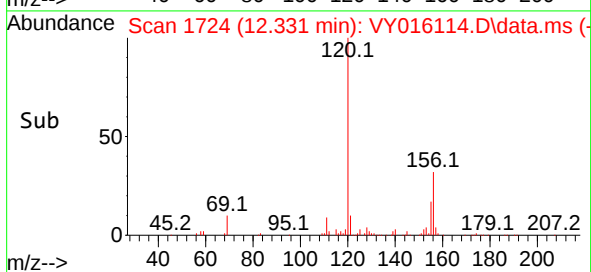
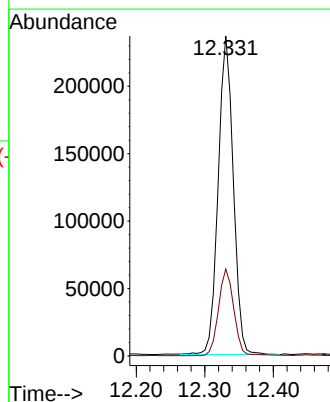
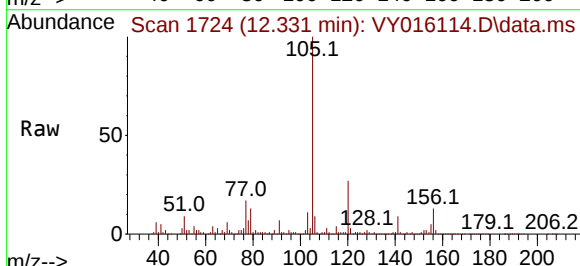
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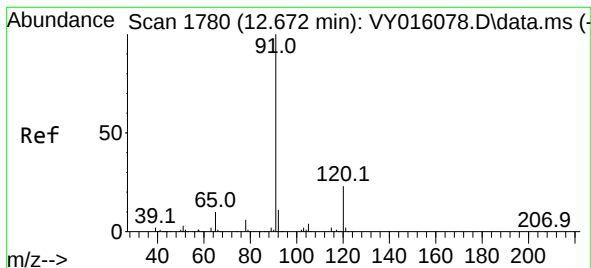
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#73
Isopropylbenzene
Concen: 86.162 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion:105 Resp: 360231
Ion Ratio Lower Upper
105 100
120 27.7 13.3 39.9





#78

n-propylbenzene

Concen: 143.788 ug/l

RT: 12.672 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

1076

Tgt Ion: 91 Resp: 72788

Ion Ratio Lower Upper

91 100

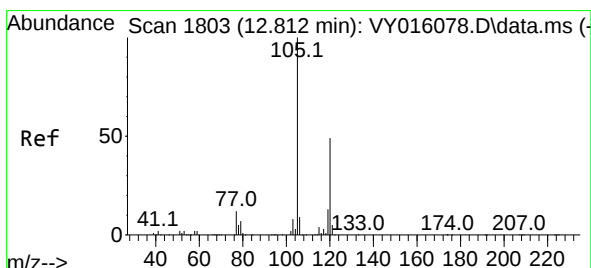
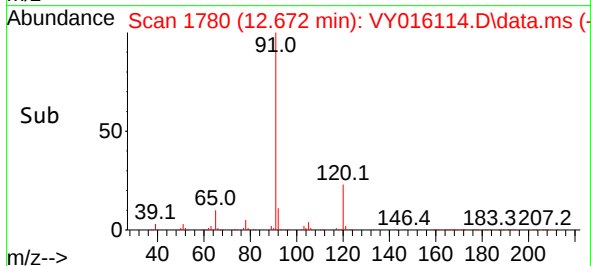
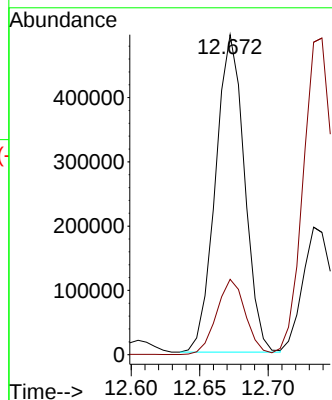
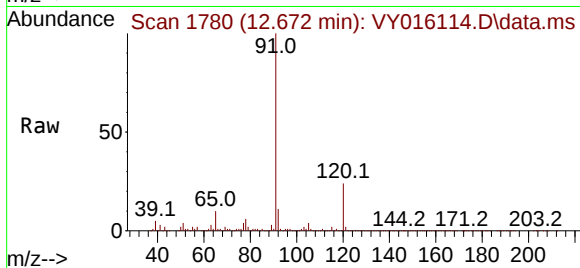
120 23.5 11.5 34.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#80

1,3,5-Trimethylbenzene

Concen: 723.295 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY016114.D

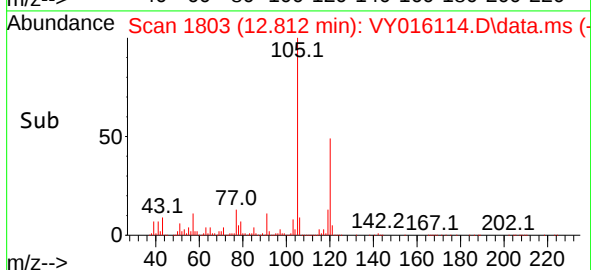
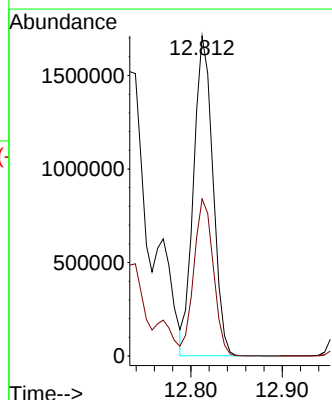
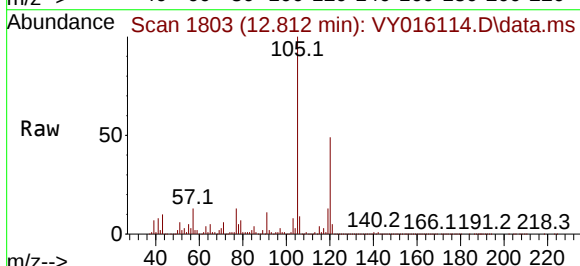
Acq: 27 Oct 2023 19:17

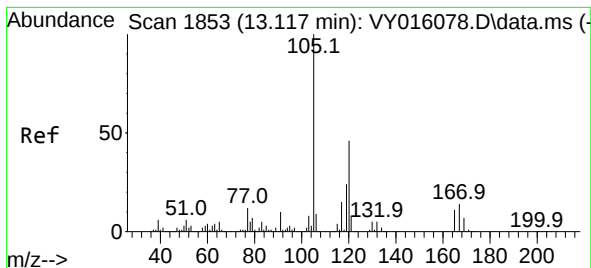
Tgt Ion:105 Resp: 2510671

Ion Ratio Lower Upper

105 100

120 49.6 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 1587.340 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

1076

Tgt Ion:105 Resp: 544174

Ion Ratio Lower Upper

105 100

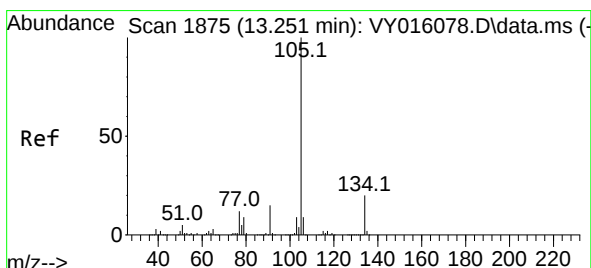
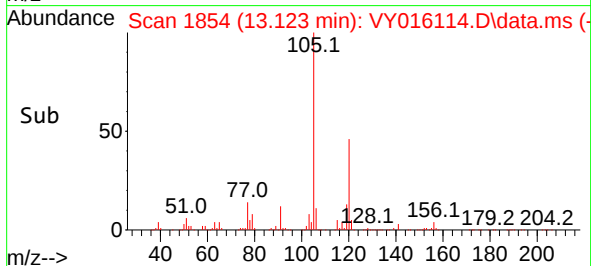
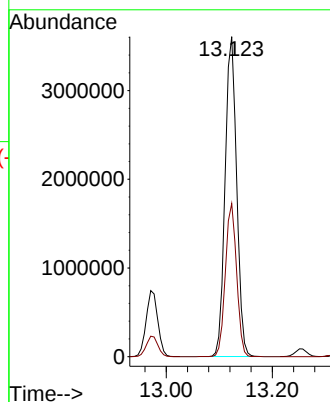
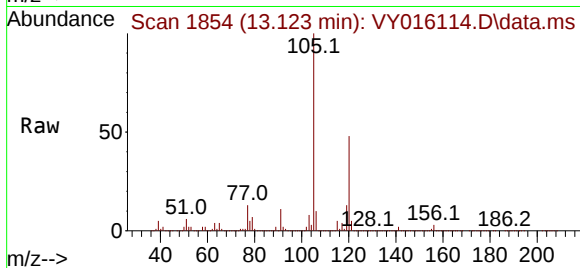
120 46.6 22.2 66.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#85

sec-Butylbenzene

Concen: 29.487 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY016114.D

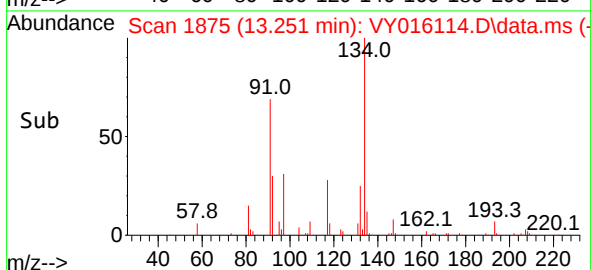
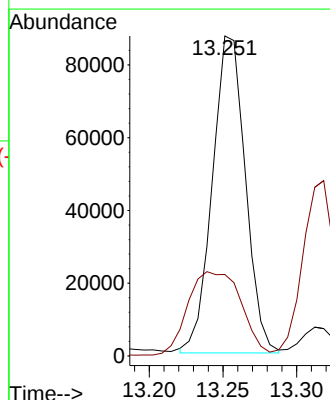
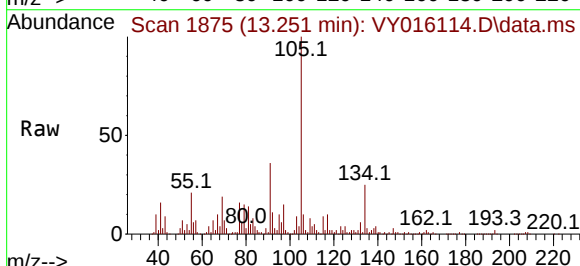
Acq: 27 Oct 2023 19:17

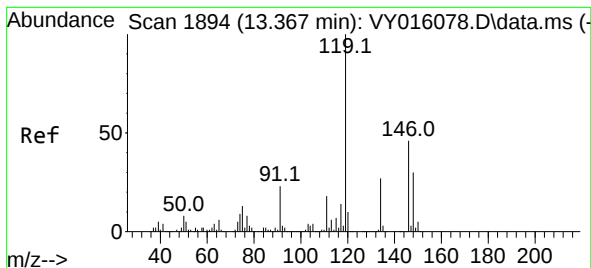
Tgt Ion:105 Resp: 135508

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





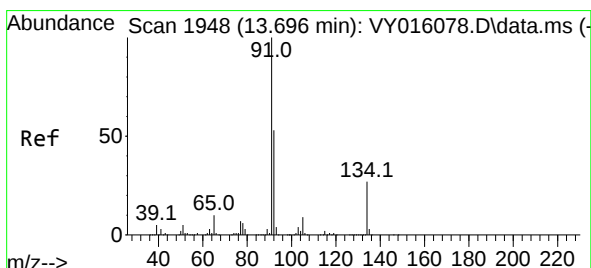
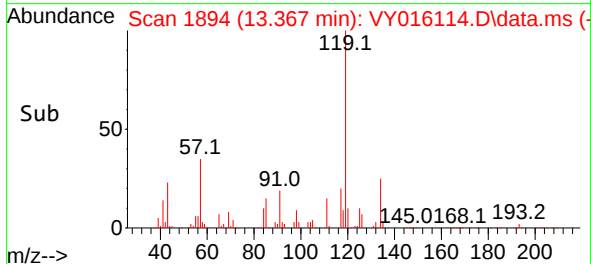
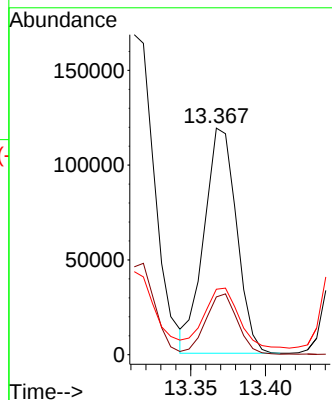
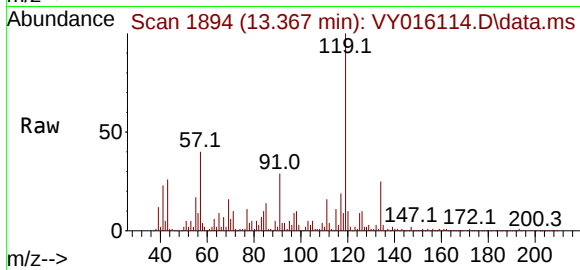
#86
p-Isopropyltoluene
Concen: 46.959 ug/l
RT: 13.367 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Instrument :
MSVOA_Y
ClientSampleId :
1076

Tgt Ion:119 Resp: 180069
Ion Ratio Lower Upper
119 100
134 26.3 13.3 39.8
91 28.2 12.4 37.4

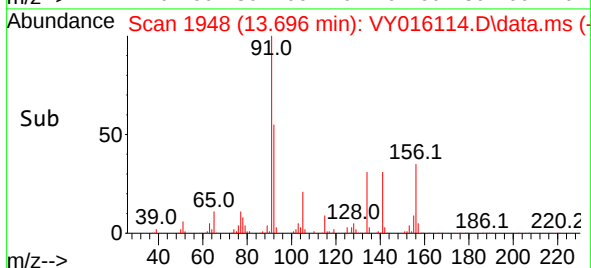
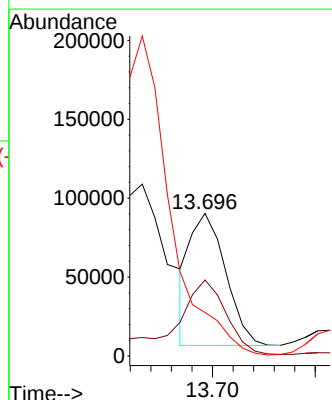
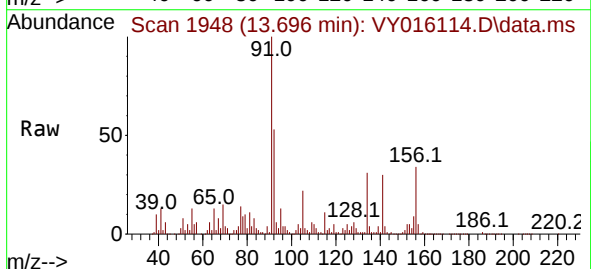
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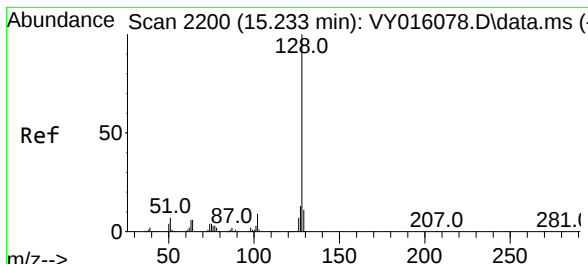
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#89
n-Butylbenzene
Concen: 28.041 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

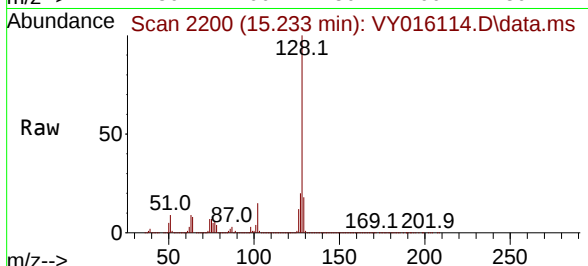
Tgt Ion: 91 Resp: 100303
Ion Ratio Lower Upper
91 100
92 81.4 25.4 76.0#
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 8821.956 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Instrument :
MSVOA_Y
ClientSampleId :
1076



Tgt Ion:128 Resp:18567934
Ion Ratio Lower Upper
128 100
127 18.1 10.8 16.2
129 16.0 8.6 13.0

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

