

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016118.D
 Acq On : 27 Oct 2023 20:51
 Operator : SY/MD
 Sample : 05107-10
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1080

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 06:15:12 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	7.795	168	191558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	308515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	266763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	107386	56.377	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.760%			
35) Dibromofluoromethane	7.722	113	96323	49.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.920%			
50) Toluene-d8	10.185	98	396265	54.927	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.483	95	120815	48.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.640%			
Target Compounds					Qvalue	
16) Acetone	3.954	43	58414	113.143	ug/l	91
20) Methylene Chloride	4.722	84	30975	10.841	ug/l #	83
31) Cyclohexane	7.789	56	468500	156.343	ug/l	92
39) Methylcyclohexane	9.191	83	1006273	304.251	ug/l	92
40) Benzene	8.167	78	14536717	1891.228	ug/l	93
52) Toluene	10.252	92	11310845	2291.607	ug/l	78
67) Ethyl Benzene	11.599	91	3052548	327.828	ug/l	97
68) m/p-Xylenes	11.703	106	5861535	1626.653	ug/l	87
69) o-Xylene	12.032	106	3079601	892.702	ug/l	93
73) Isopropylbenzene	12.337	105	326958	43.631	ug/l	99
78) n-propylbenzene	12.678	91	616383	67.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	2241509	360.273	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	4758069	774.333	ug/l	96
85) sec-Butylbenzene	13.257	105	128418m	15.590	ug/l	
86) p-Isopropyltoluene	13.373	119	165895	24.137	ug/l	97
89) n-Butylbenzene	13.702	91	98765	15.404	ug/l #	62
95) Naphthalene	15.239	128	19399384	5142.268	ug/l #	86

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

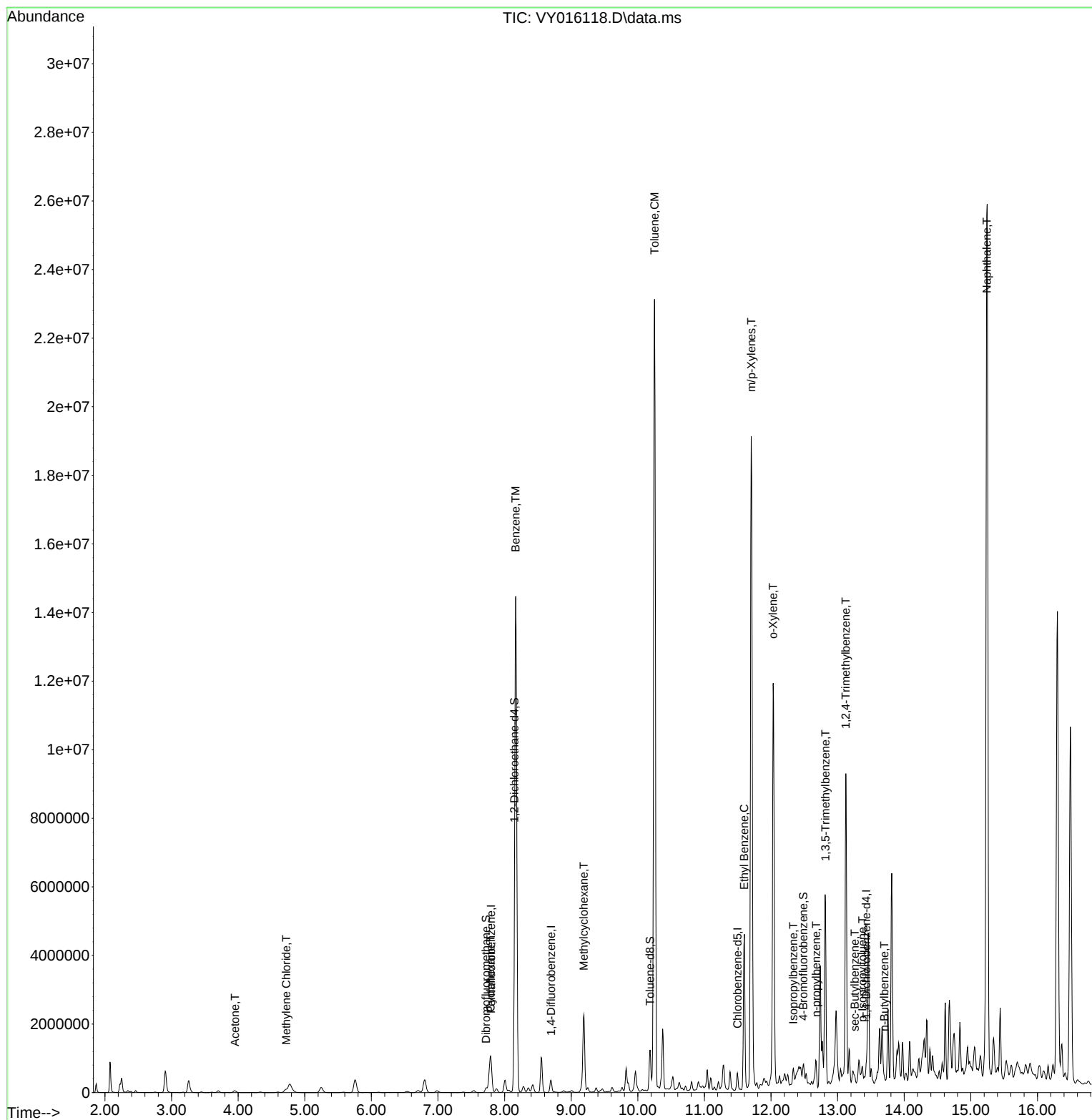
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
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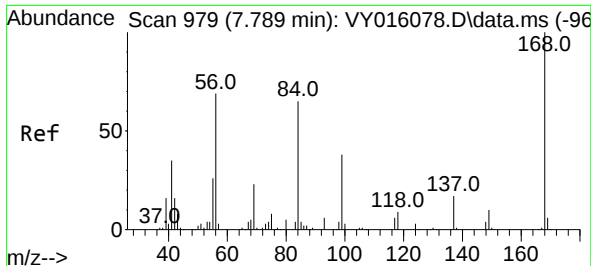
Instrument :
MSVOA_Y
ClientSampleId :
1080

Quant Time: Oct 30 06:15:12 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

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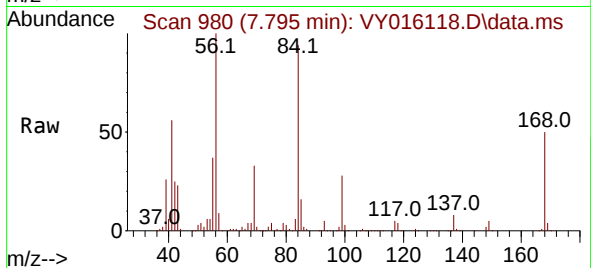
Reviewed By : Mahesh Dadoda 10/30/2023
Supervised By : Semsettin Yesilyurt 10/30/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

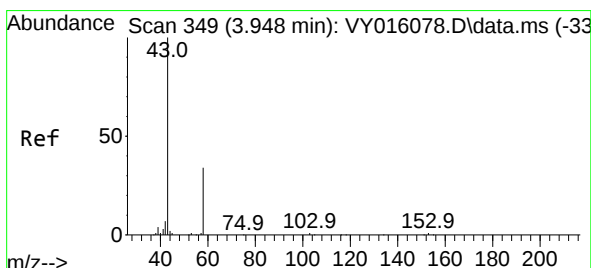
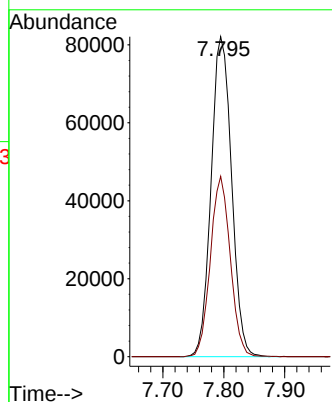
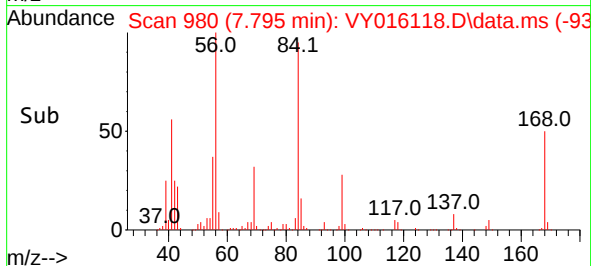
Instrument :
MSVOA_Y
ClientSampleId :
1080



Tgt Ion:168 Resp: 191558
Ion Ratio Lower Upper
168 100
99 56.3 43.4 65.0

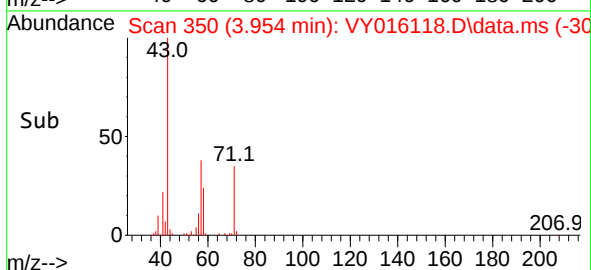
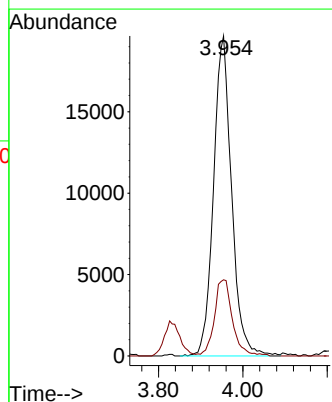
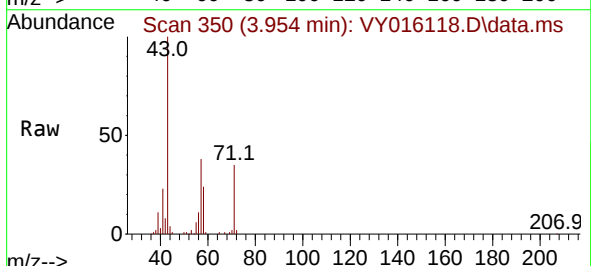
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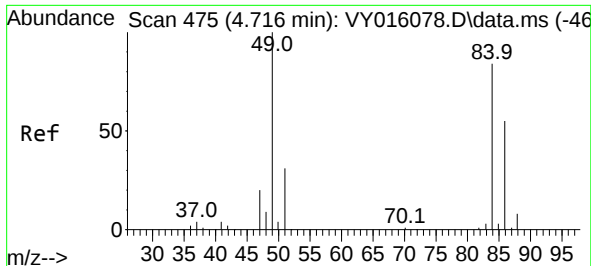
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#16
Acetone
Concen: 113.143 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

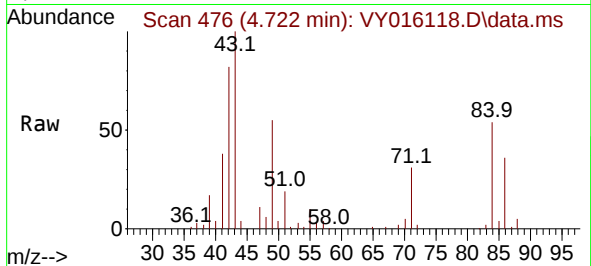
Tgt Ion: 43 Resp: 58414
Ion Ratio Lower Upper
43 100
58 23.8 22.7 34.1





#20
Methylene Chloride
Concen: 10.841 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

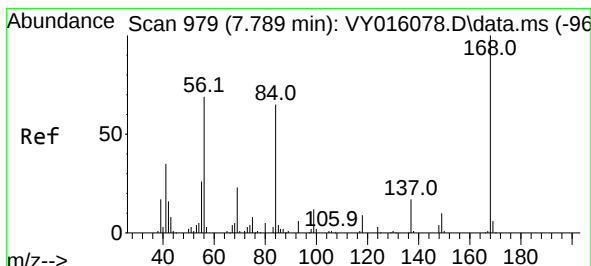
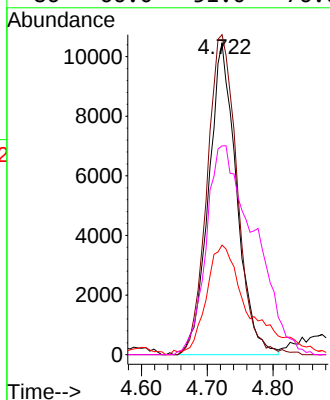
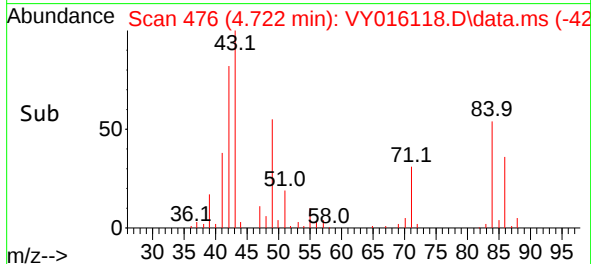
Instrument :
MSVOA_Y
ClientSampleId :
1080



Tgt Ion: 84 Resp: 30975
Ion Ratio Lower Upper
84 100
49 102.7 106.9 160.3
51 34.3 33.2 49.8
86 66.0 51.0 76.6

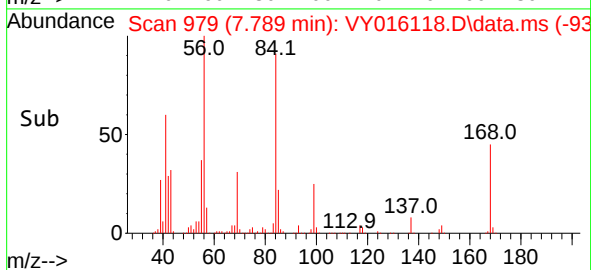
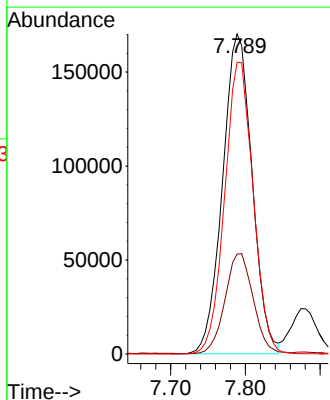
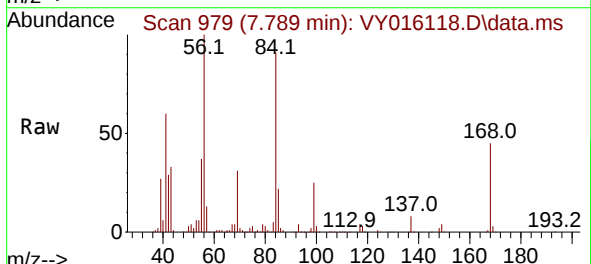
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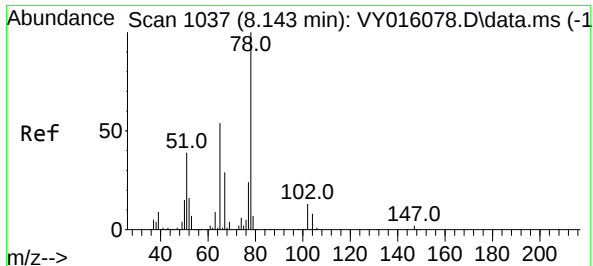
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#31
Cyclohexane
Concen: 156.343 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

Tgt Ion: 56 Resp: 468500
Ion Ratio Lower Upper
56 100
69 31.1 27.8 41.6
84 91.2 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 56.377 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

Instrument :

MSVOA_Y

ClientSampleId :

1080

Tgt Ion: 65 Resp: 10738

Ion Ratio Lower Upper

65 100

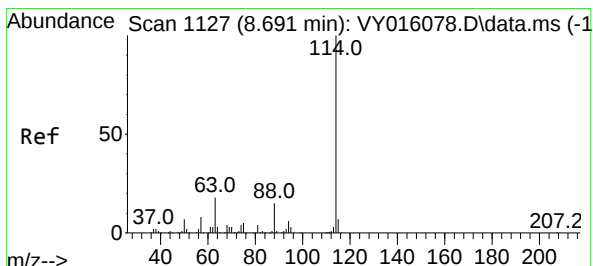
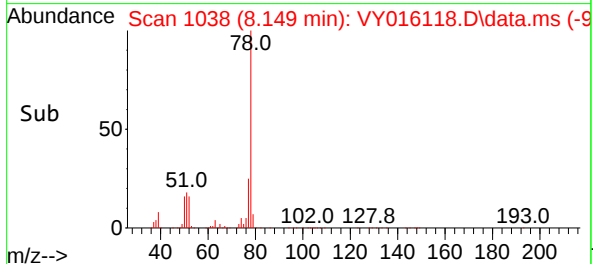
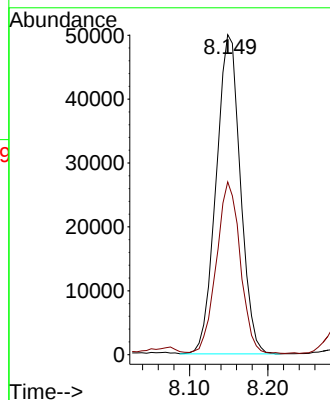
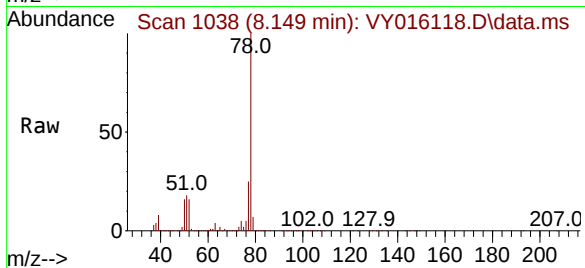
67 52.8 0.0 101.8

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Supervised By :Semsettin Yesilyurt 10/30/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

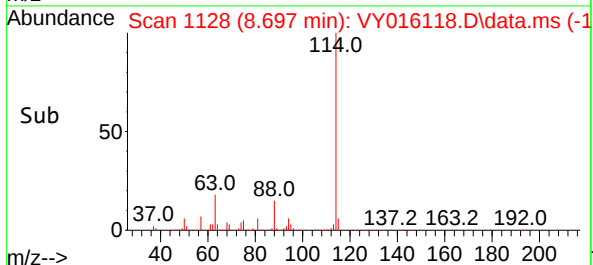
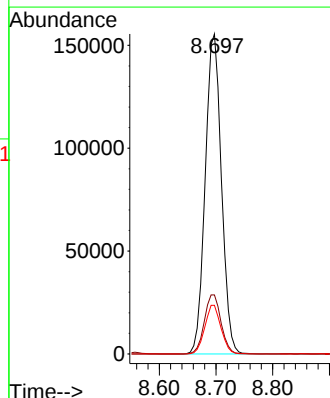
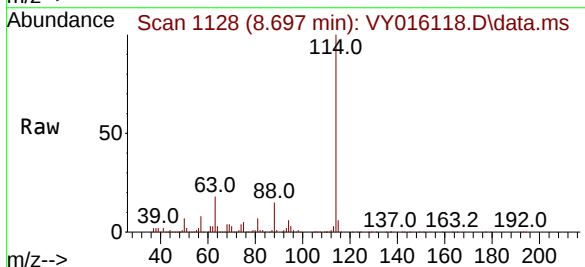
Tgt Ion:114 Resp: 308515

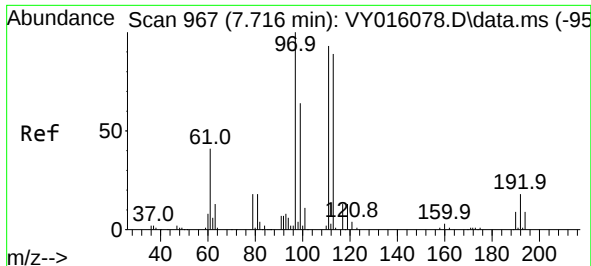
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

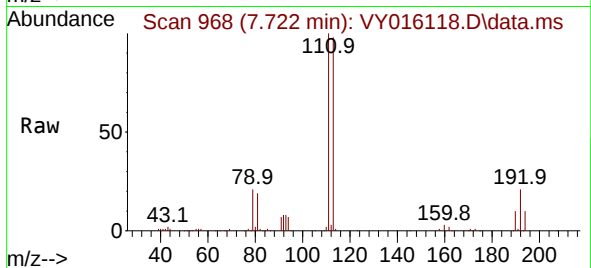
88 15.2 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.456 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

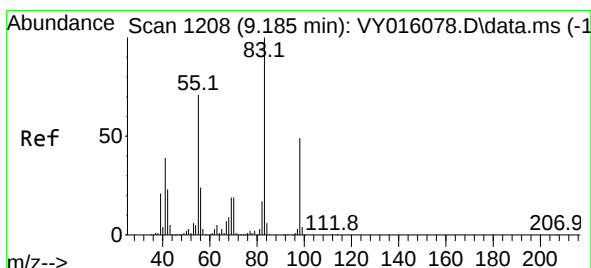
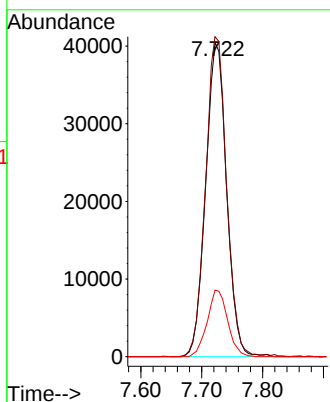
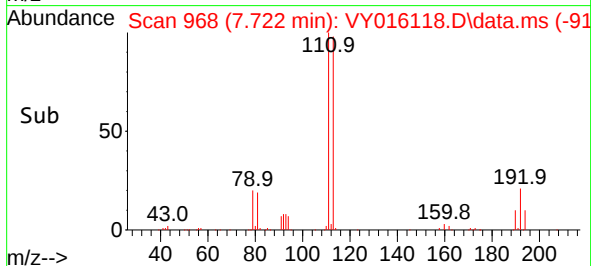
Instrument :
MSVOA_Y
ClientSampleId :
1080



Tgt Ion: 113 Resp: 9632
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 20.8 16.9 25.3

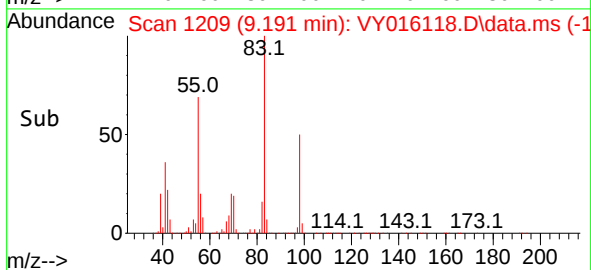
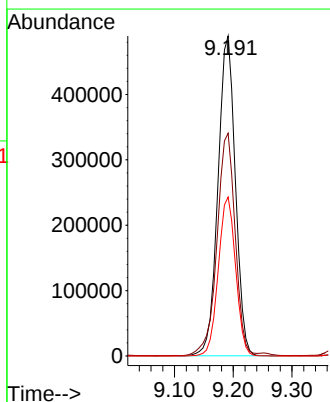
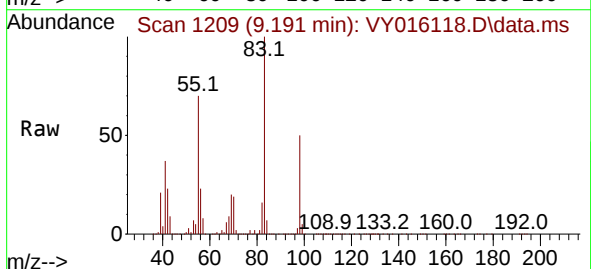
Manual Integrations
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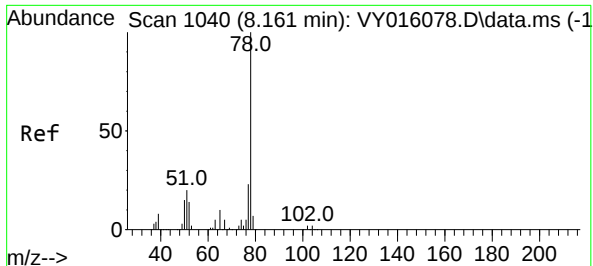
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#39
Methylcyclohexane
Concen: 304.251 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

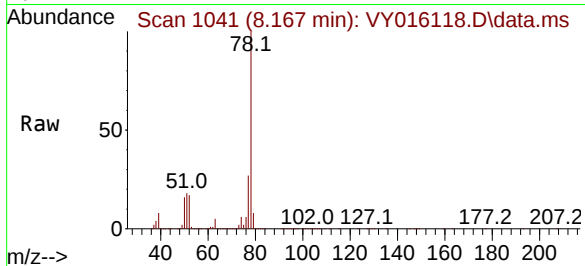
Tgt Ion: 83 Resp: 1006273
Ion Ratio Lower Upper
83 100
55 69.5 63.0 94.4
98 49.7 37.4 56.2





#40
Benzene
Concen: 1891.228 ug/l
RT: 8.167 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

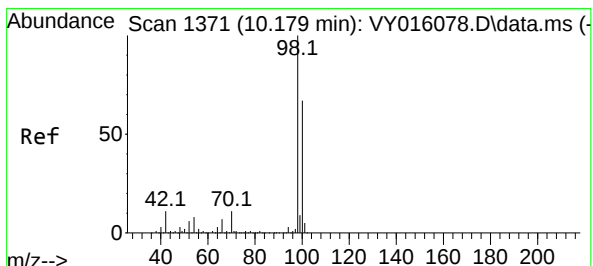
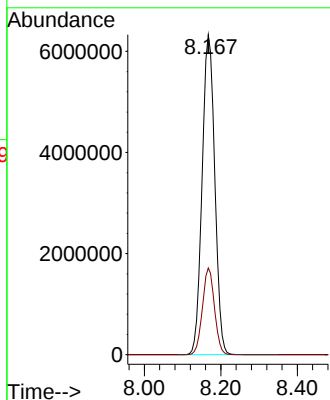
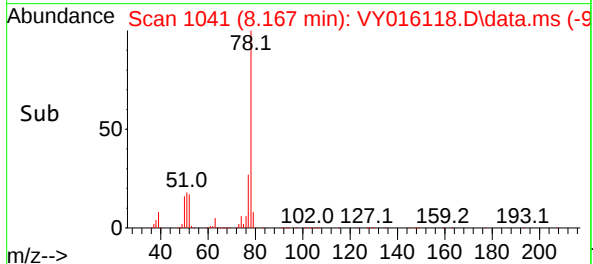
Instrument :
MSVOA_Y
ClientSampleId :
1080



Tgt Ion: 78 Resp:1453671
Ion Ratio Lower Upper
78 100
77 27.1 19.0 28.6

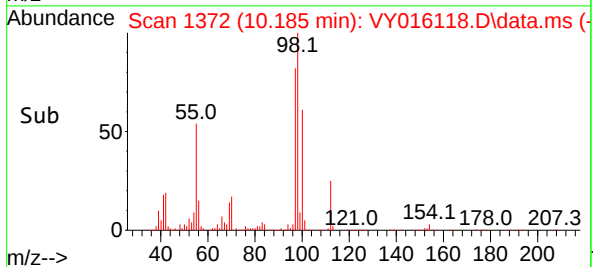
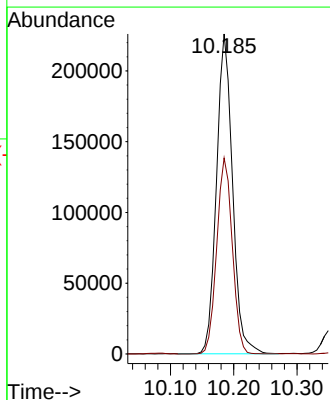
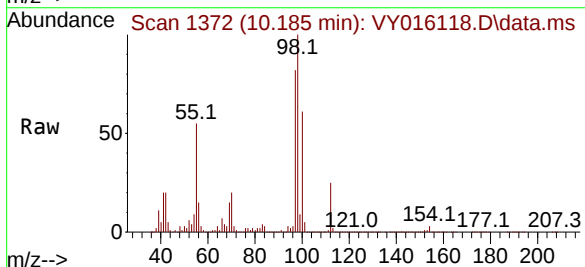
Manual Integrations
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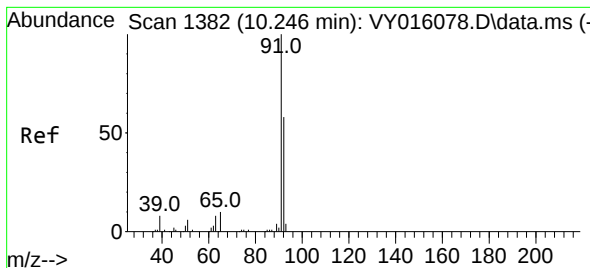
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#50
Toluene-d8
Concen: 54.927 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

Tgt Ion: 98 Resp: 396265
Ion Ratio Lower Upper
98 100
100 59.4 50.1 75.1





#52

Toluene

Concen: 2291.607 ug/l

RT: 10.252 min Scan# 11080

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

Instrument :

MSVOA_Y

ClientSampleId :

1080

Tgt Ion: 92 Resp:1131084

Ion Ratio Lower Upper

92 100

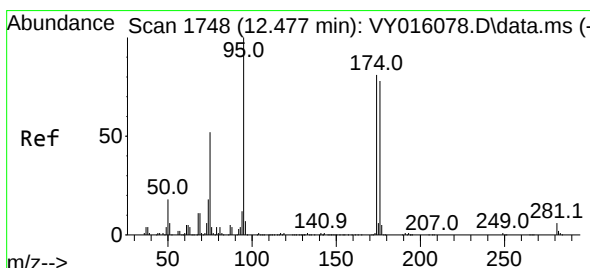
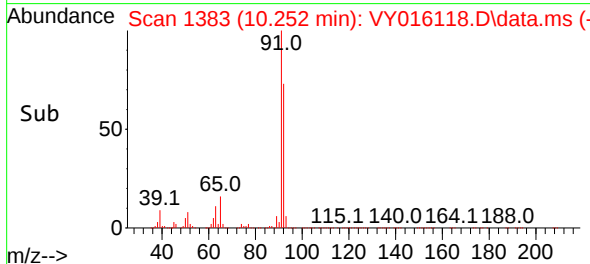
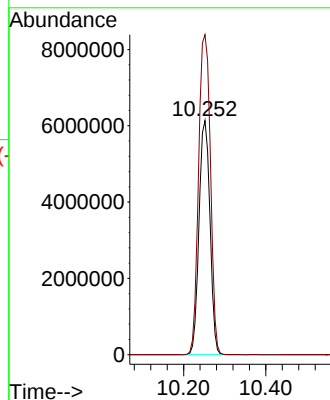
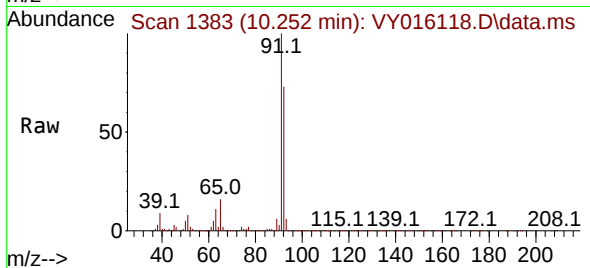
91 148.3 143.8 215.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/30/2023



#62

4-Bromofluorobenzene

Concen: 48.820 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

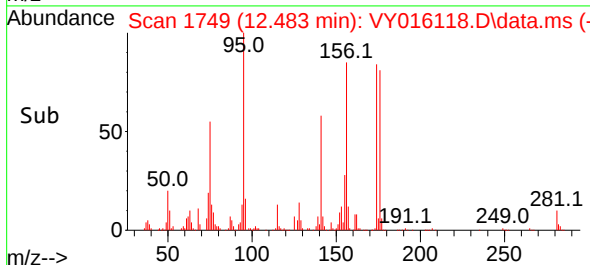
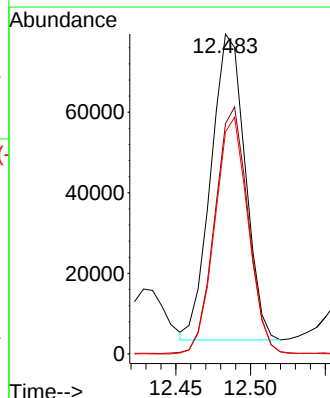
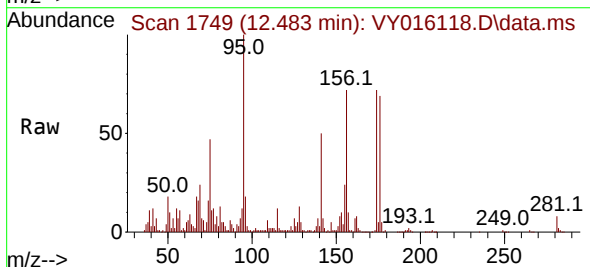
Tgt Ion: 95 Resp: 120815

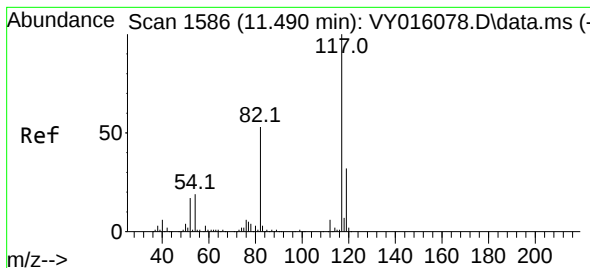
Ion Ratio Lower Upper

95 100

174 78.3 0.0 178.2

176 75.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11080

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

Instrument :

MSVOA_Y

ClientSampleId :

1080

Tgt Ion:117 Resp: 26676

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

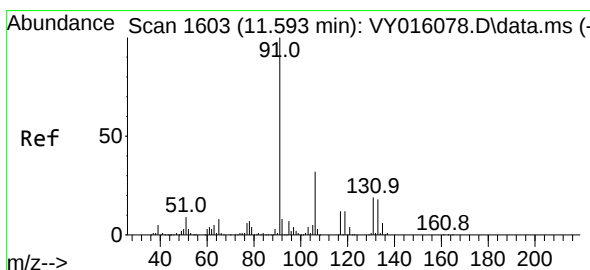
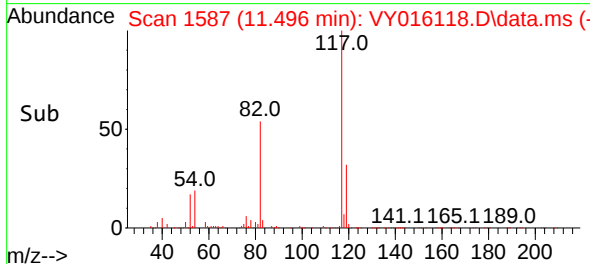
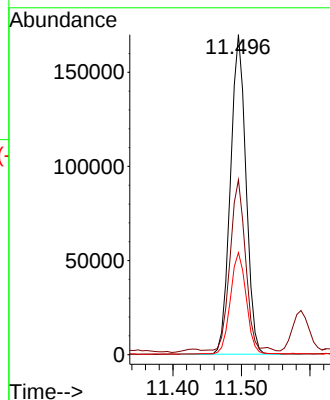
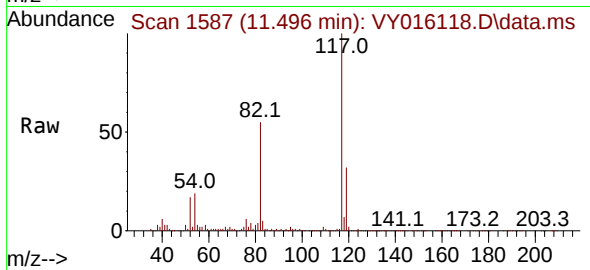
119 31.7 26.3 39.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#67

Ethyl Benzene

Concen: 327.828 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY016118.D

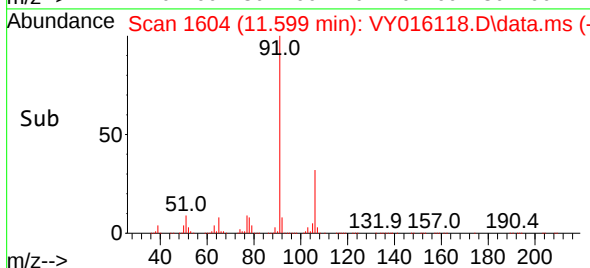
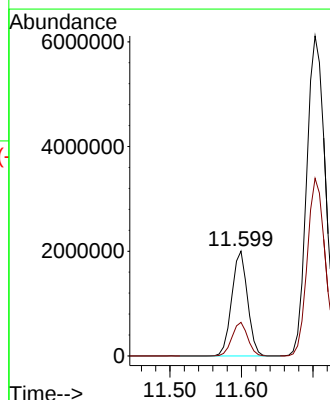
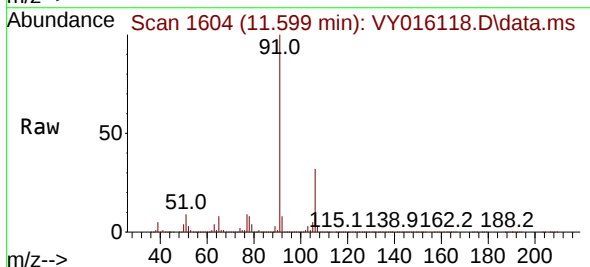
Acq: 27 Oct 2023 20:51

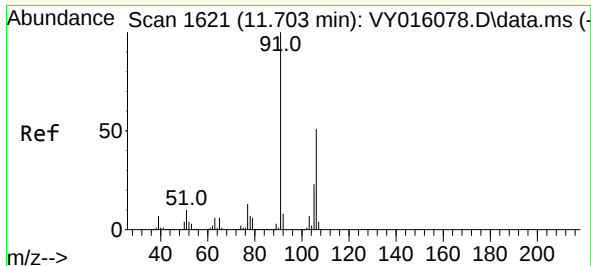
Tgt Ion: 91 Resp: 3052548

Ion Ratio Lower Upper

91 100

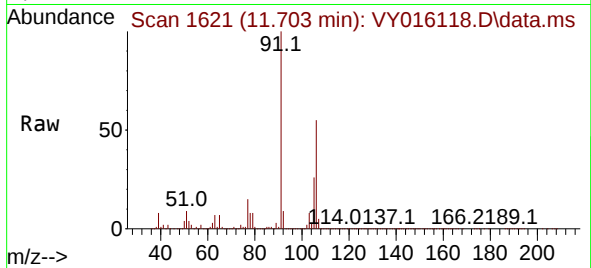
106 32.1 24.6 36.8





#68
m/p-Xylenes
Concen: 1626.653 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

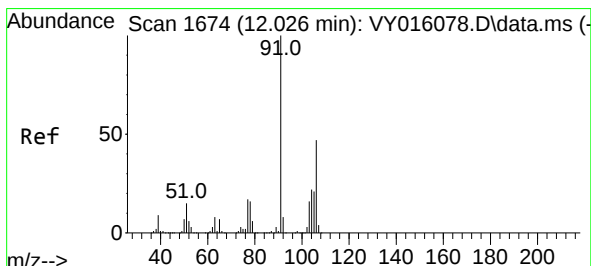
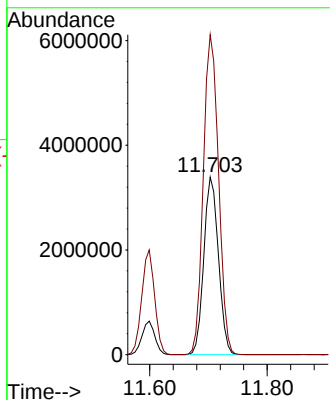
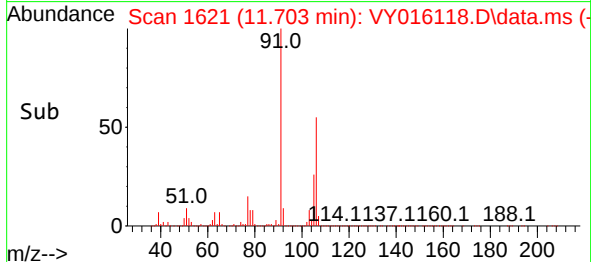
Instrument :
MSVOA_Y
ClientSampleId :
1080



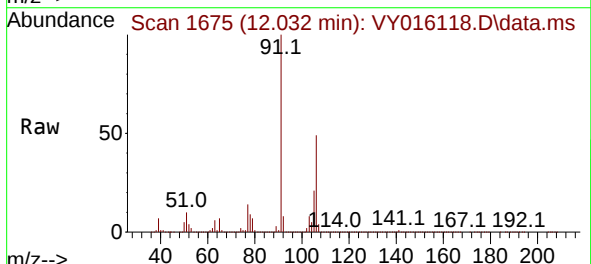
Tgt Ion:106 Resp: 5861538
Ion Ratio Lower Upper
106 100
91 187.6 166.1 249.1

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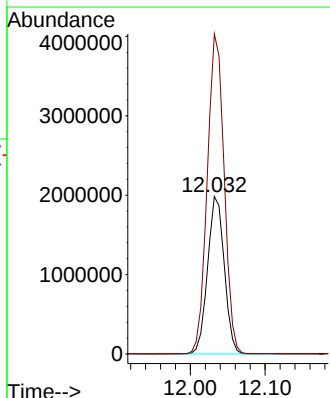
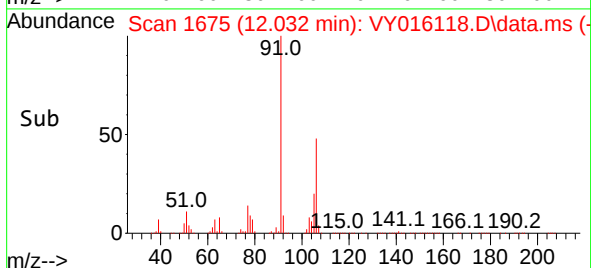
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

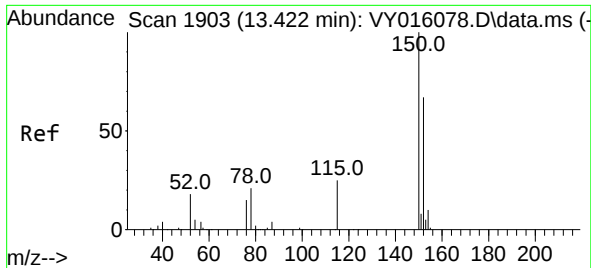


#69
o-Xylene
Concen: 892.702 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51



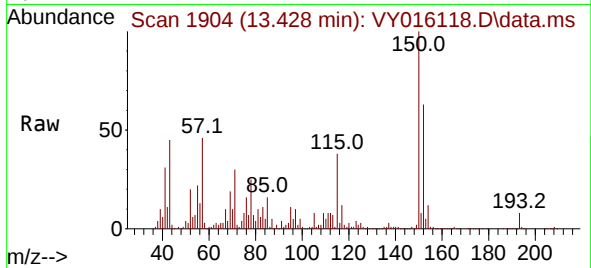
Tgt Ion:106 Resp: 3079601
Ion Ratio Lower Upper
106 100
91 205.6 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

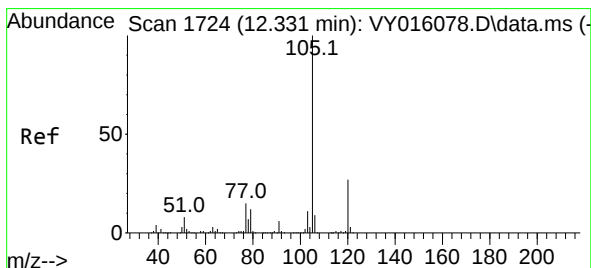
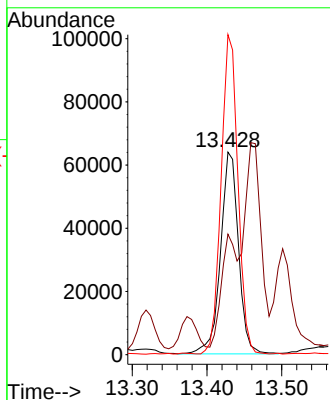
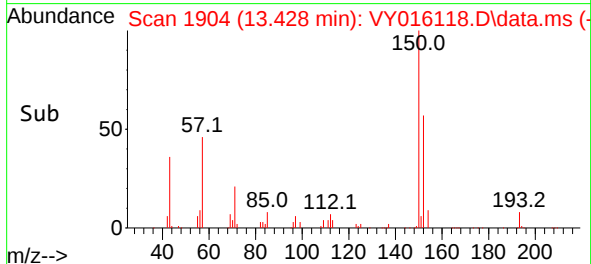
Instrument :
MSVOA_Y
ClientSampleId :
1080



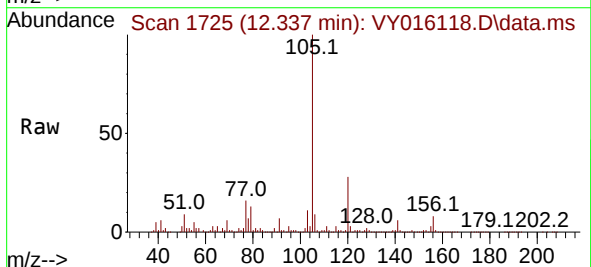
Tgt Ion:152 Resp: 10648
Ion Ratio Lower Upper
152 100
115 47.8 28.8 86.5
150 148.0 0.0 348.8

Manual Integrations
APPROVED

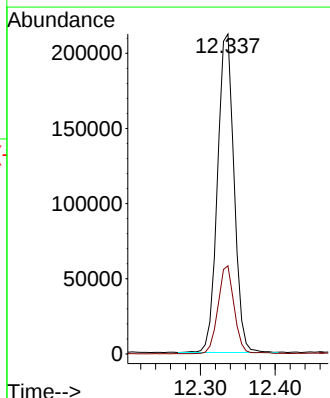
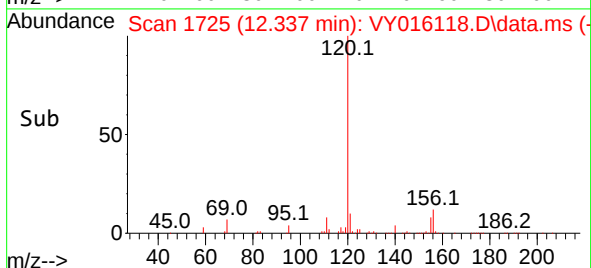
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

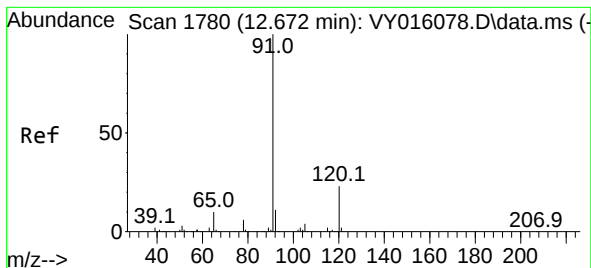


#73
Isopropylbenzene
Concen: 43.631 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51



Tgt Ion:105 Resp: 326958
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9





#78

n-propylbenzene

Concen: 67.932 ug/l

RT: 12.678 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

Instrument :

MSVOA_Y

ClientSampleId :

1080

Tgt Ion: 91 Resp: 61638

Ion Ratio Lower Upper

91 100

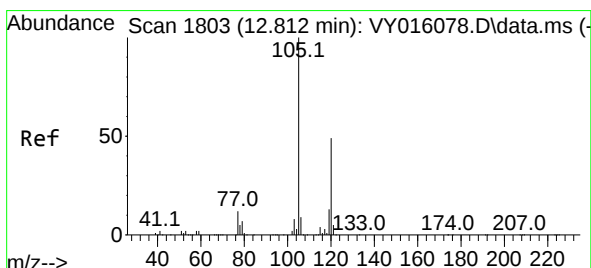
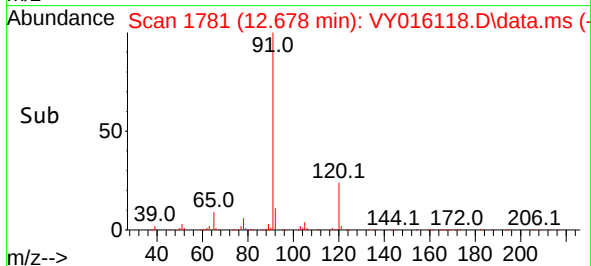
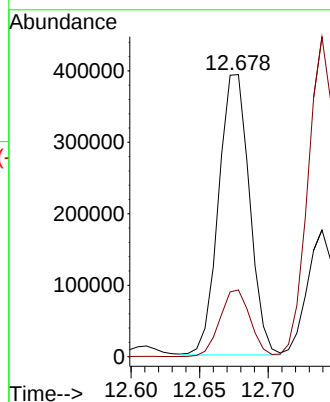
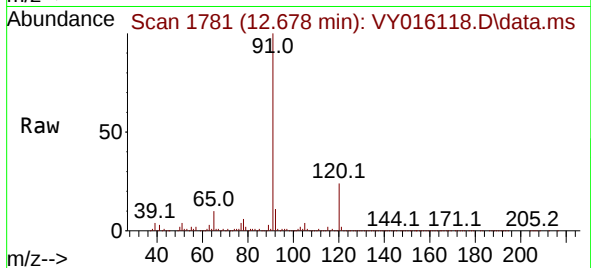
120 23.3 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#80

1,3,5-Trimethylbenzene

Concen: 360.273 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY016118.D

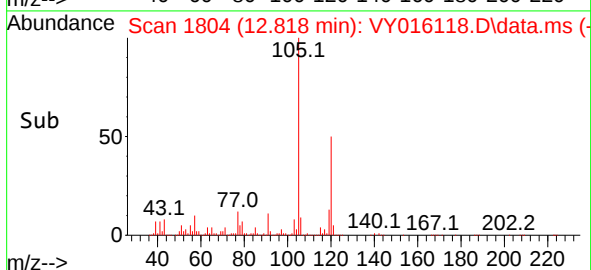
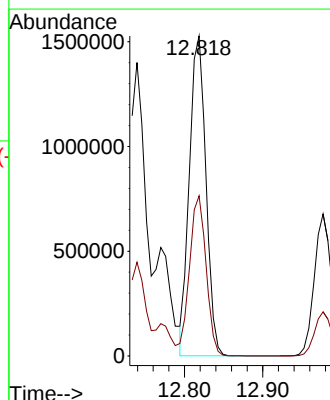
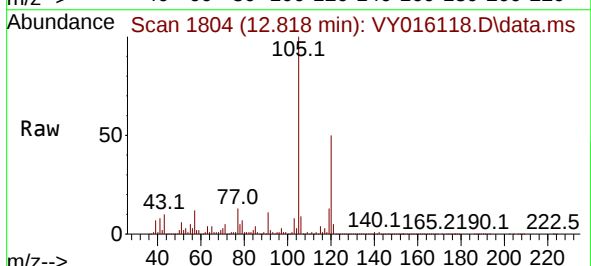
Acq: 27 Oct 2023 20:51

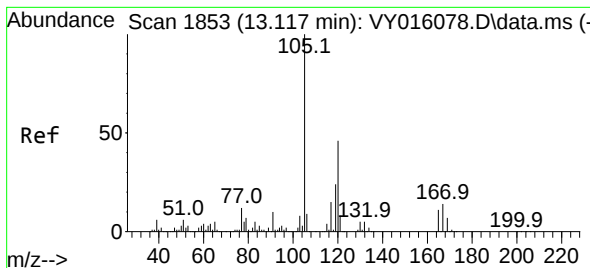
Tgt Ion:105 Resp: 2241509

Ion Ratio Lower Upper

105 100

120 50.7 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 774.333 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016118.D

Acq: 27 Oct 2023 20:51

Instrument :

MSVOA_Y

ClientSampleId :

1080

Tgt Ion:105 Resp: 4758069

Ion Ratio Lower Upper

105 100

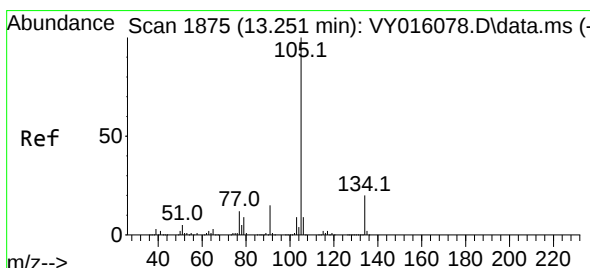
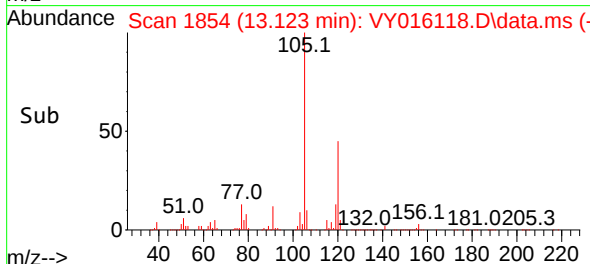
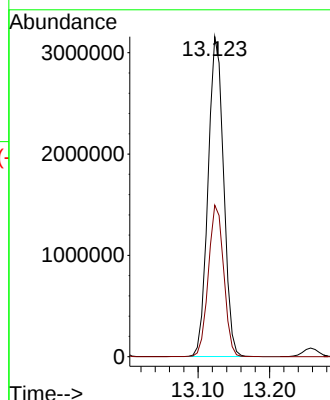
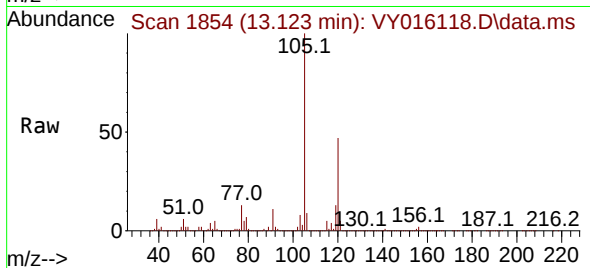
120 46.9 22.2 66.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#85

sec-Butylbenzene

Concen: 15.590 ug/l m

RT: 13.257 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY016118.D

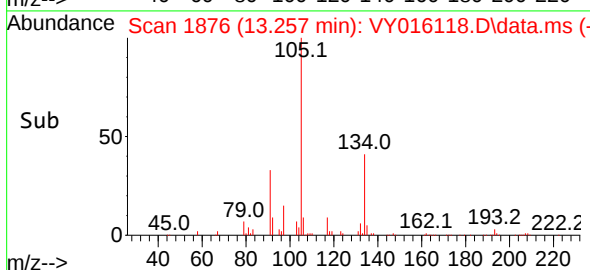
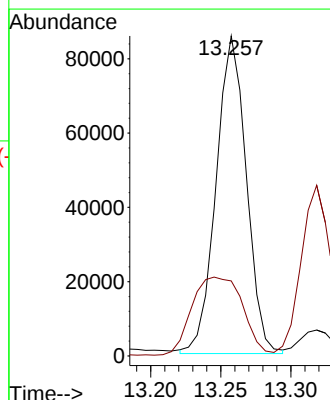
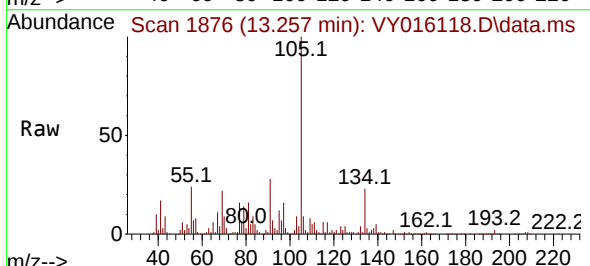
Acq: 27 Oct 2023 20:51

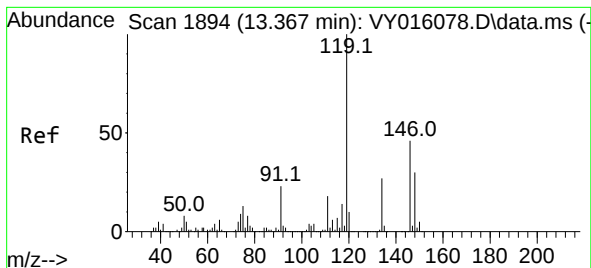
Tgt Ion:105 Resp: 128418

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





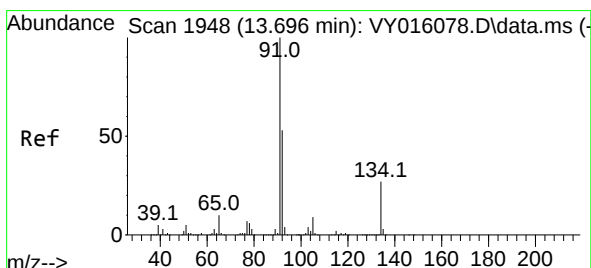
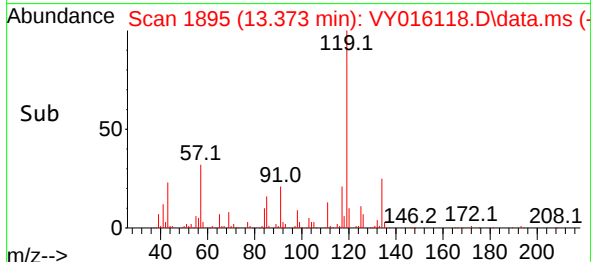
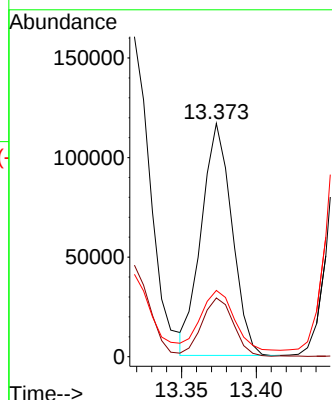
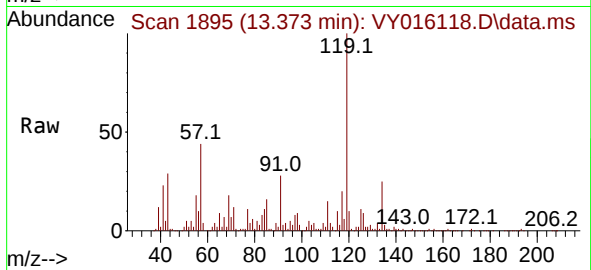
#86
p-Isopropyltoluene
Concen: 24.137 ug/l
RT: 13.373 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

Instrument :
MSVOA_Y
ClientSampleId :
1080

Tgt Ion:119 Resp: 16589
Ion Ratio Lower Upper
119 100
134 25.9 13.3 39.8
91 27.8 12.4 37.4

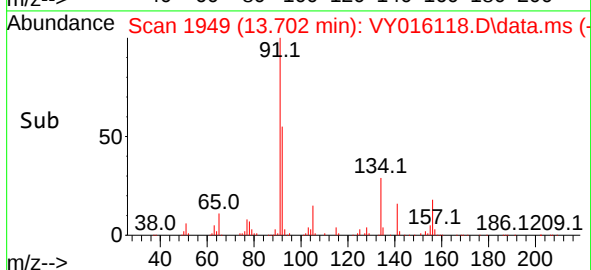
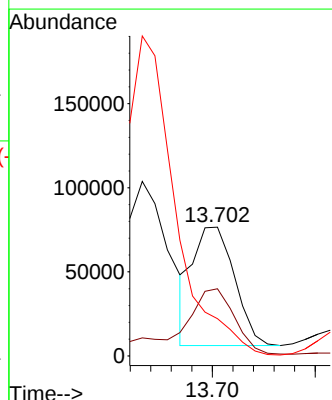
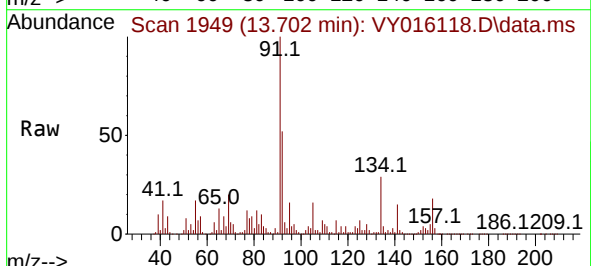
Manual Integrations
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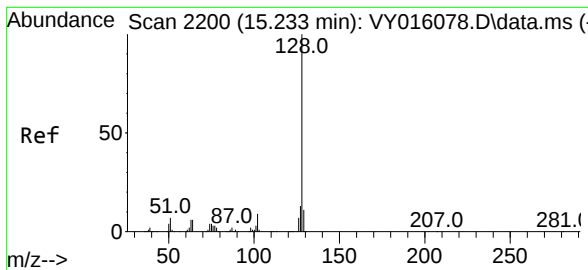
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#89
n-Butylbenzene
Concen: 15.404 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

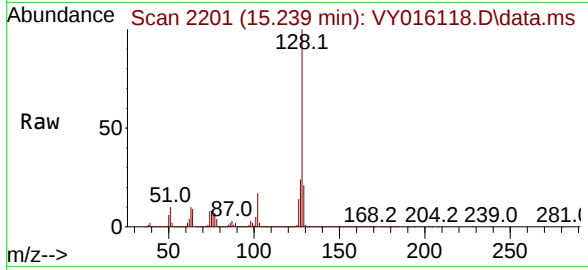
Tgt Ion: 91 Resp: 98765
Ion Ratio Lower Upper
91 100
92 72.8 25.4 76.0
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 5142.268 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016118.D
Acq: 27 Oct 2023 20:51

Instrument :
MSVOA_Y
ClientSampleId :
1080



Tgt Ion:128 Resp:19399384
Ion Ratio Lower Upper
128 100
127 18.9 10.8 16.2
129 16.7 8.6 13.0

Manual Integrations
APPROVED

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

