

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016111.D
 Acq On : 27 Oct 2023 18:07
 Operator : SY/MD
 Sample : 05107-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1073

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 06:11:19 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	163962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	239996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	103427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95538	58.599	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.200%			
35) Dibromofluoromethane	7.716	113	84594	50.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%			
50) Toluene-d8	10.179	98	341849	55.119	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.477	95	112432	52.848	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.700%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	21924	49.612	ug/l	96
20) Methylene Chloride	4.716	84	24616	9.593	ug/l	89
31) Cyclohexane	7.783	56	259102	101.017	ug/l	94
39) Methylcyclohexane	9.185	83	641298	225.550	ug/l	94
40) Benzene	8.161	78	11776563	1782.226	ug/l	96
52) Toluene	10.246	92	9488756	2236.254	ug/l	81
67) Ethyl Benzene	11.593	91	1865602	222.702	ug/l	97
68) m/p-Xylenes	11.697	106	3770660	1163.114	ug/l	91
69) o-Xylene	12.026	106	1704488	549.196	ug/l	96
73) Isopropylbenzene	12.331	105	158762	21.812	ug/l	99
78) n-propylbenzene	12.672	91	327563	37.167	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	983095	162.677	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	2284083	382.690	ug/l	97
85) sec-Butylbenzene	13.251	105	61743m	7.717	ug/l	
86) p-Isopropyltoluene	13.367	119	77151	11.556	ug/l	97
89) n-Butylbenzene	13.696	91	45875	7.366	ug/l #	63
95) Naphthalene	15.239	128	11731976	3201.667	ug/l	97

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

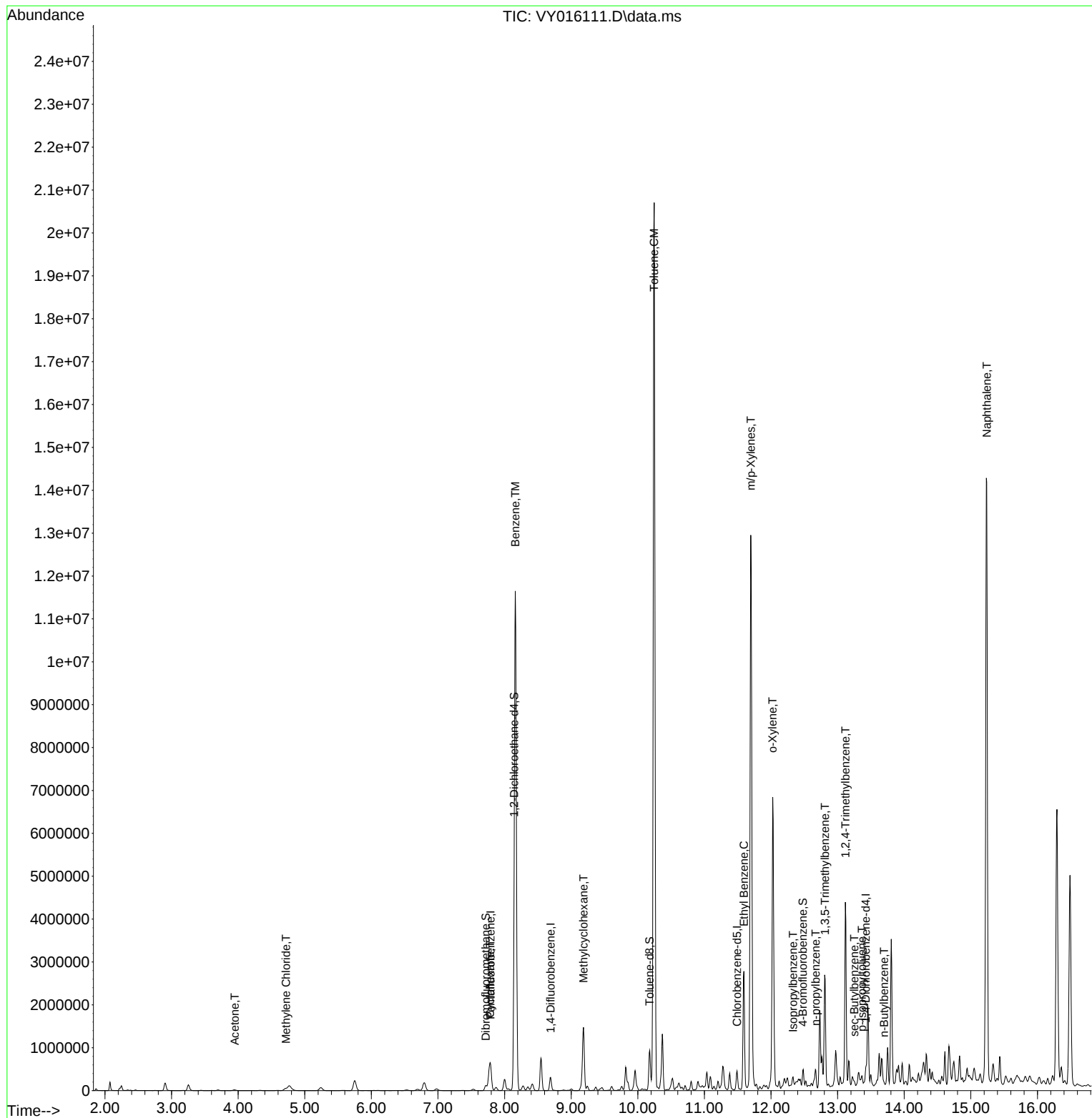
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016111.D
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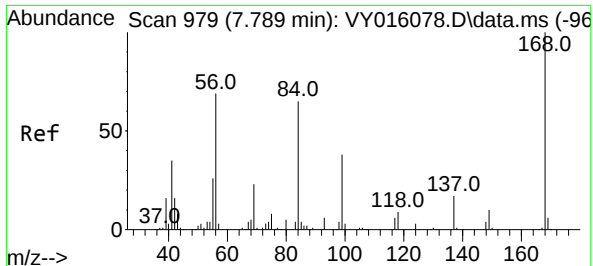
Instrument :
MSVOA_Y
ClientSampleId :
1073

Quant Time: Oct 30 06:11:19 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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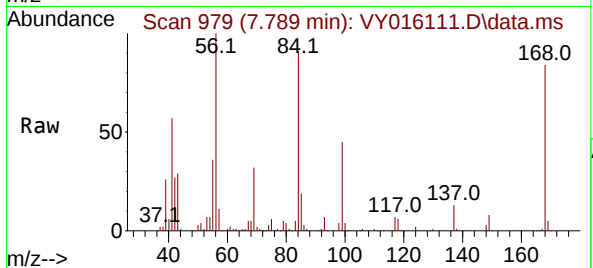
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

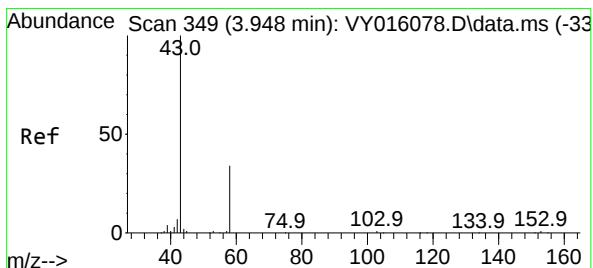
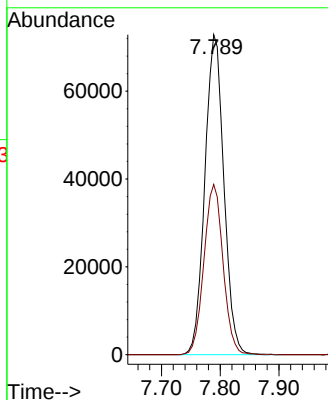
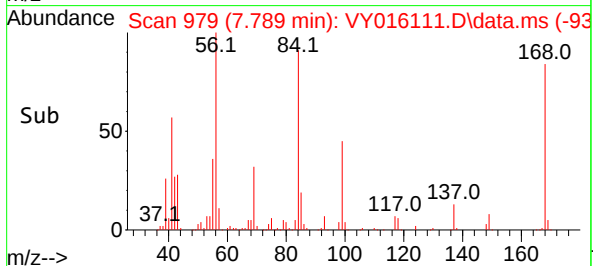
Instrument :
MSVOA_Y
ClientSampleId :
1073



Tgt Ion:168 Resp: 163962
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0

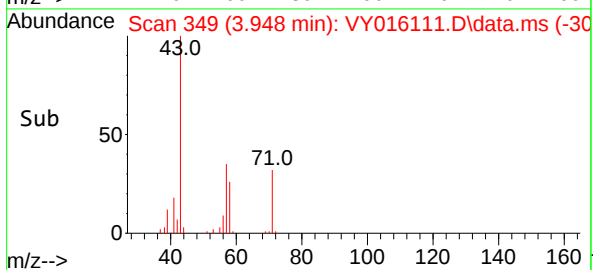
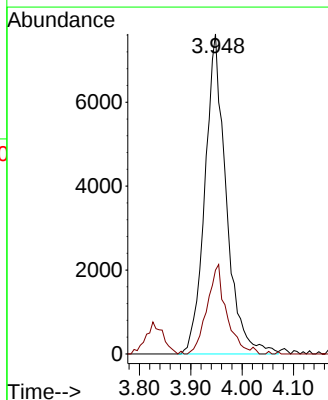
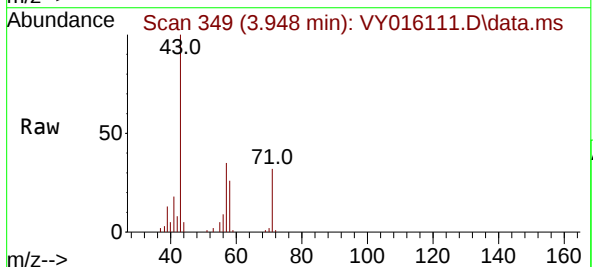
Manual Integrations
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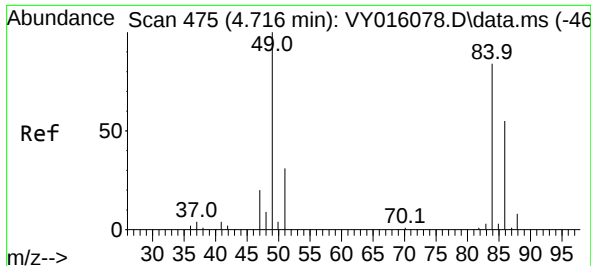
Reviewed By :Mahesh Dadoda 10/30/2023
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#16
Acetone
Concen: 49.612 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

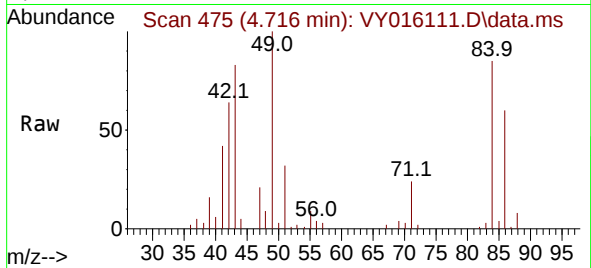
Tgt Ion: 43 Resp: 21924
Ion Ratio Lower Upper
43 100
58 26.2 22.7 34.1





#20
Methylene Chloride
Concen: 9.593 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

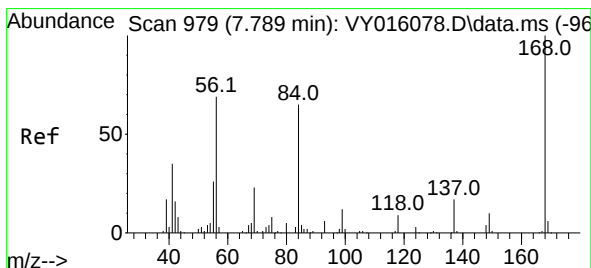
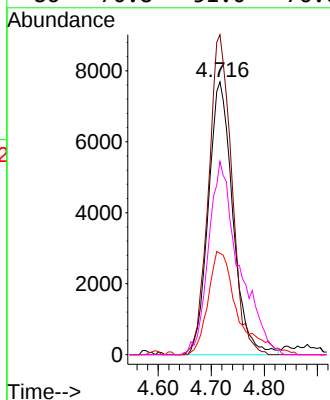
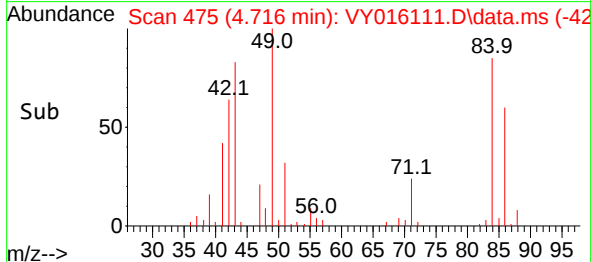
Instrument :
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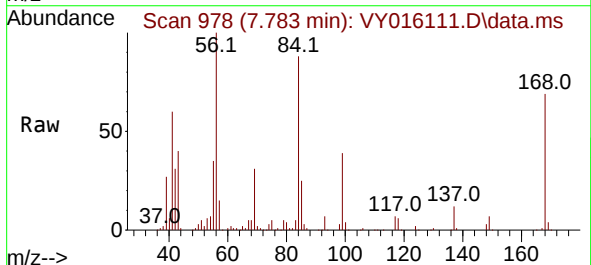
Tgt Ion: 84 Resp: 24610
Ion Ratio Lower Upper
84 100
49 117.3 106.9 160.3
51 37.1 33.2 49.8
86 70.8 51.0 76.6

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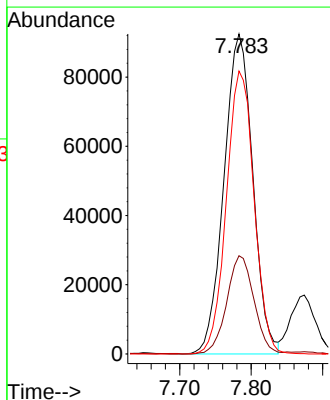
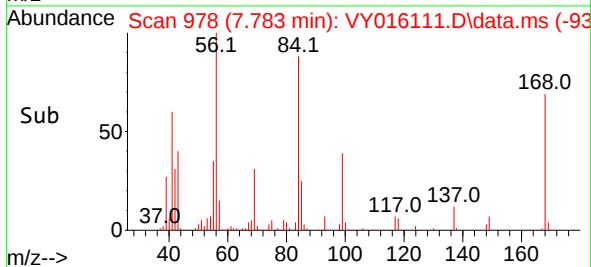
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

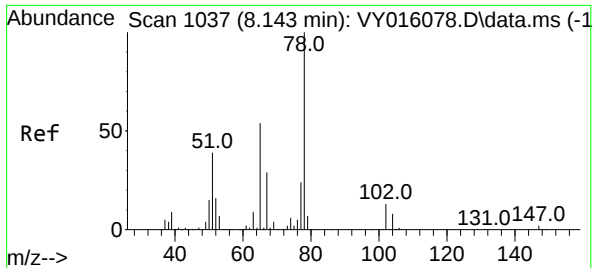


#31
Cyclohexane
Concen: 101.017 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07



Tgt Ion: 56 Resp: 259102
Ion Ratio Lower Upper
56 100
69 30.6 27.8 41.6
84 88.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 58.599 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

1073

Tgt Ion: 65 Resp: 95538

Ion Ratio Lower Upper

65 100

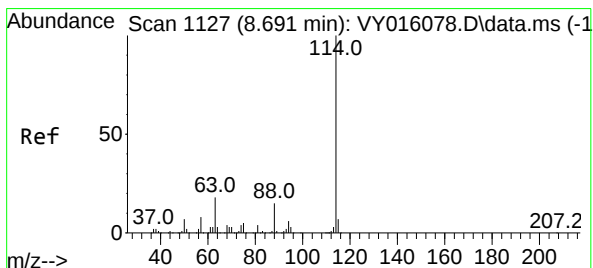
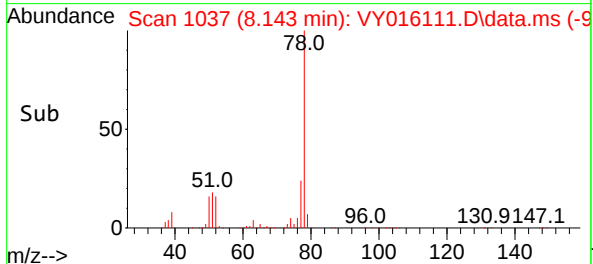
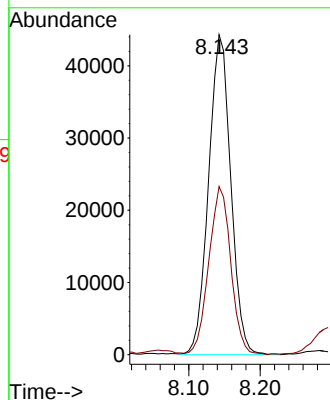
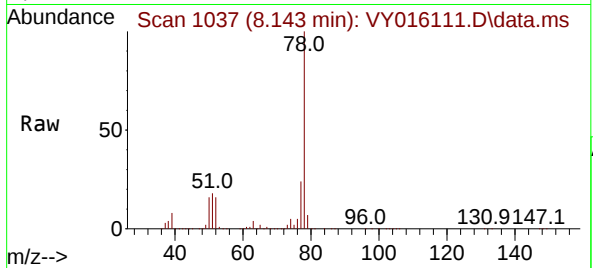
67 52.1 0.0 101.8

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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: VY016111.D

Acq: 27 Oct 2023 18:07

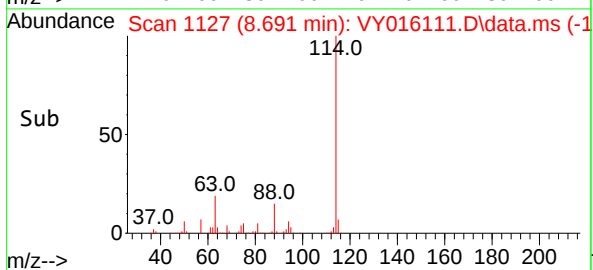
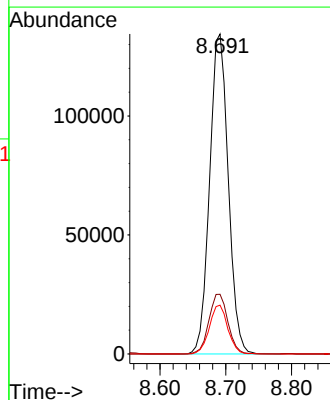
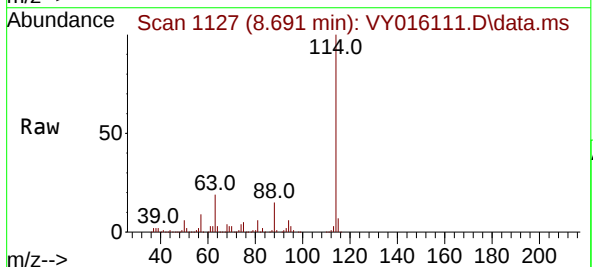
Tgt Ion:114 Resp: 265222

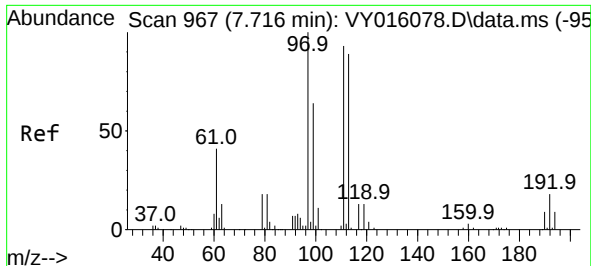
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

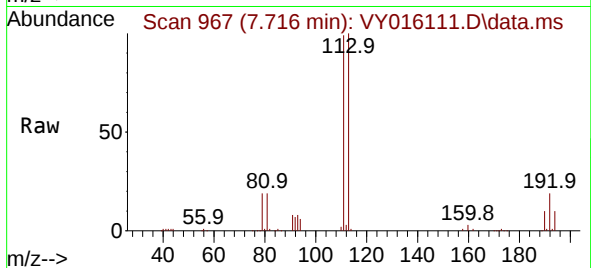
88 15.3 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.524 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

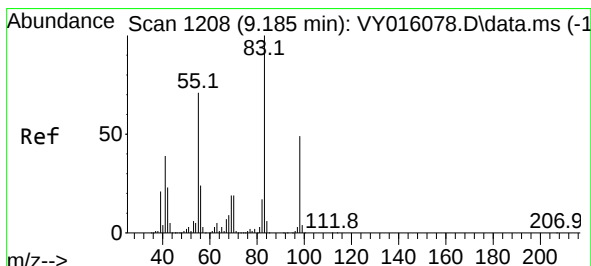
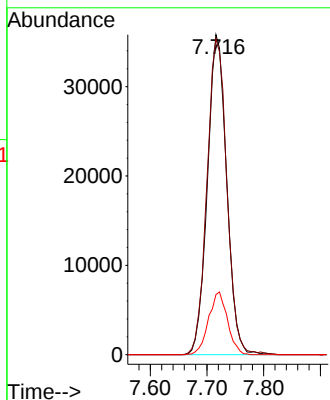
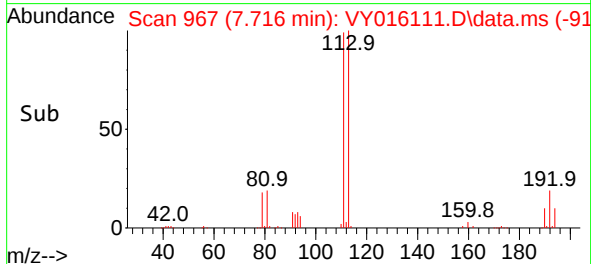
Instrument :
MSVOA_Y
ClientSampleId :
1073



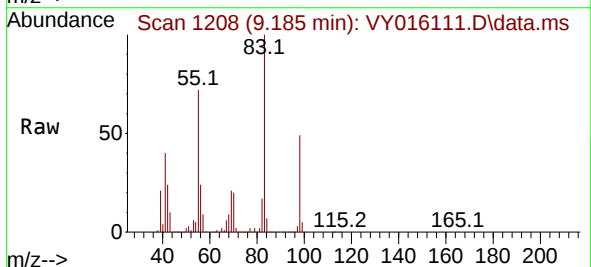
Tgt Ion: 113 Resp: 84594
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 19.2 16.9 25.3

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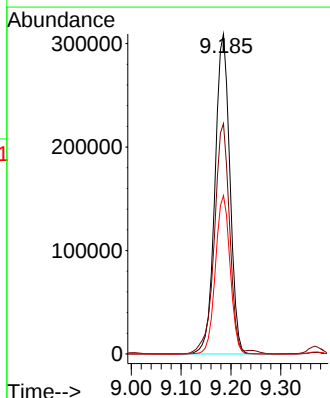
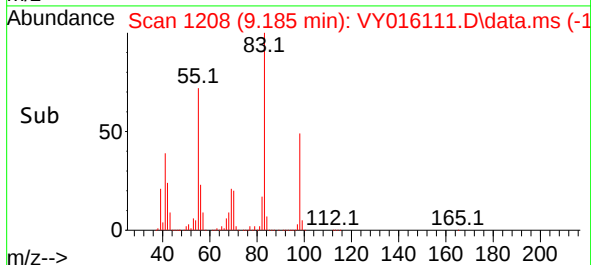
Reviewed By :Mahesh Dadoda 10/30/2023
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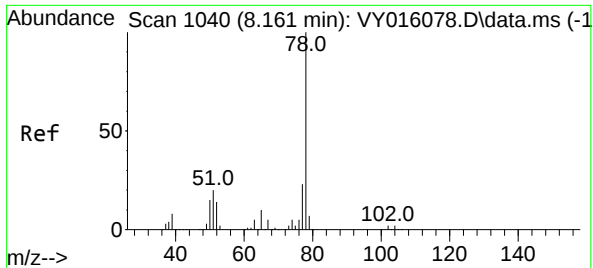


#39
Methylcyclohexane
Concen: 225.550 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07



Tgt Ion: 83 Resp: 641298
Ion Ratio Lower Upper
83 100
55 72.0 63.0 94.4
98 49.5 37.4 56.2





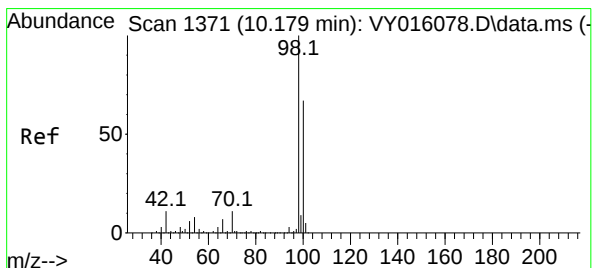
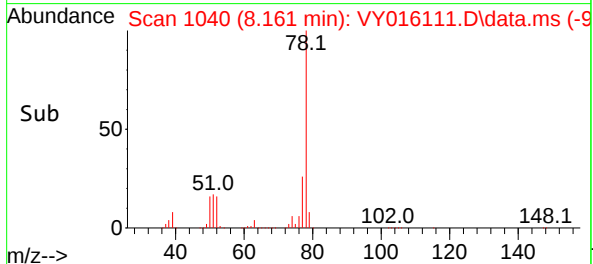
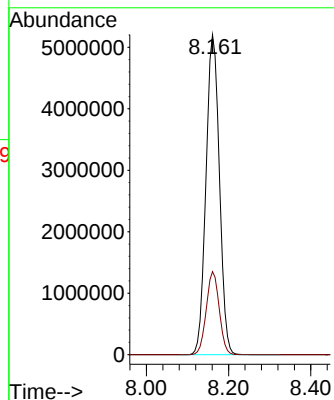
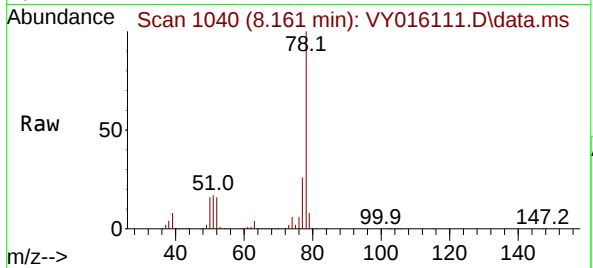
#40
Benzene
Concen: 1782.226 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :
1073

Tgt Ion: 78 Resp:1177656
Ion Ratio Lower Upper
78 100
77 26.0 19.0 28.6

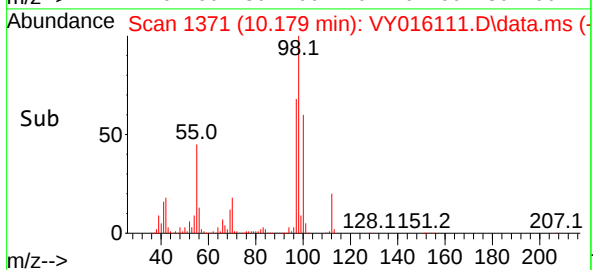
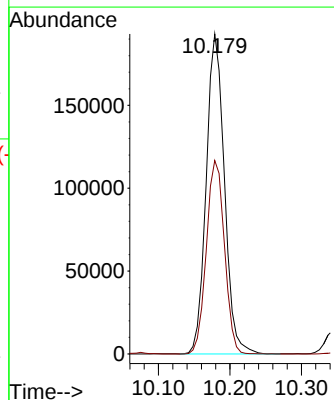
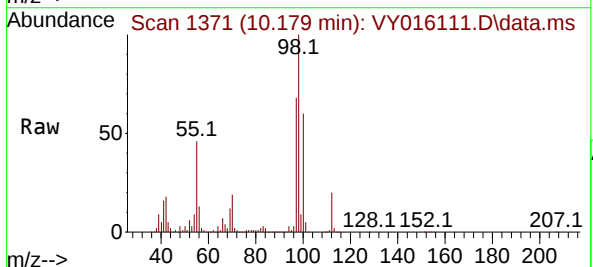
Manual Integrations
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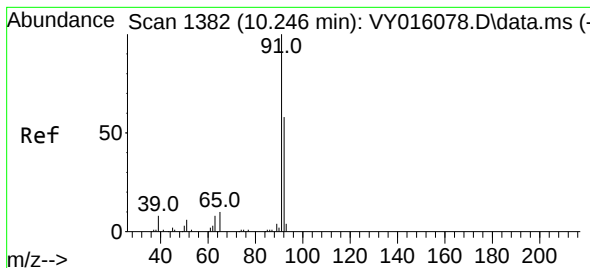
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#50
Toluene-d8
Concen: 55.119 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 98 Resp: 341849
Ion Ratio Lower Upper
98 100
100 60.0 50.1 75.1





#52

Toluene

Concen: 2236.254 ug/l

RT: 10.246 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

1073

Tgt Ion: 92 Resp: 9488750

Ion Ratio Lower Upper

92 100

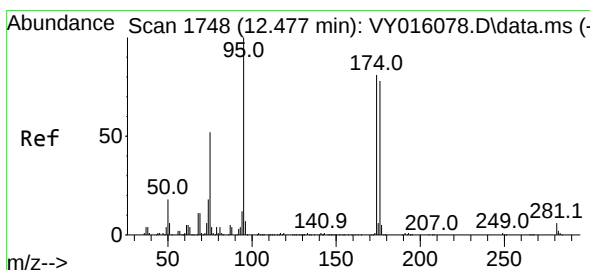
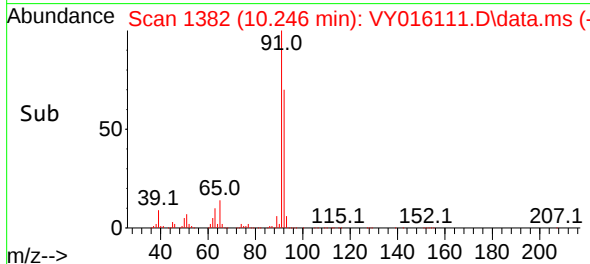
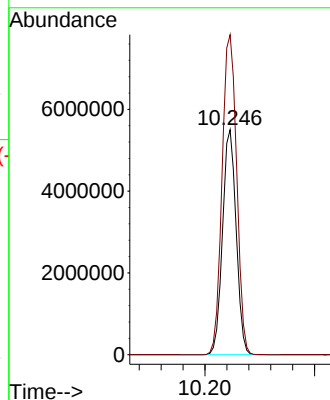
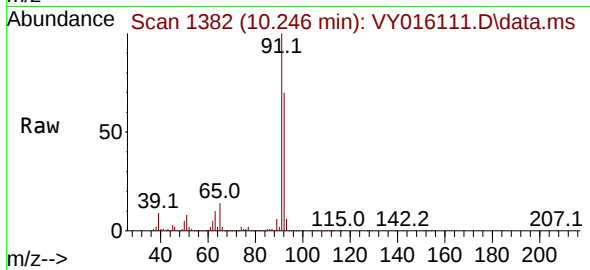
91 152.4 143.8 215.6

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 10/30/2023



#62

4-Bromofluorobenzene

Concen: 52.848 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

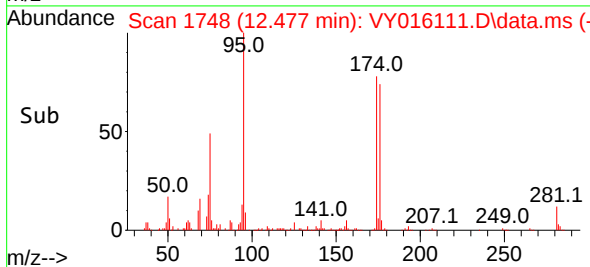
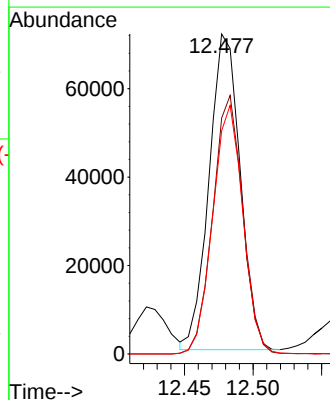
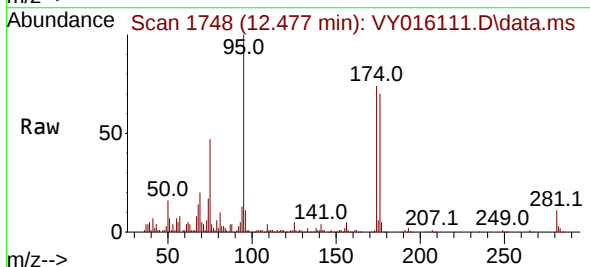
Tgt Ion: 95 Resp: 112432

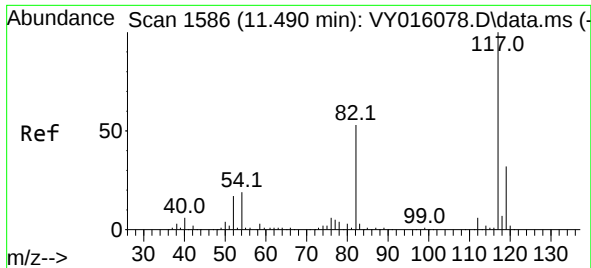
Ion Ratio Lower Upper

95 100

174 79.4 0.0 178.2

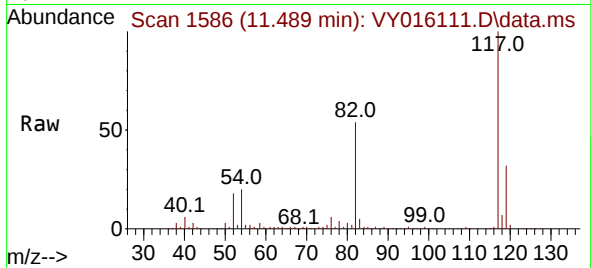
176 76.8 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

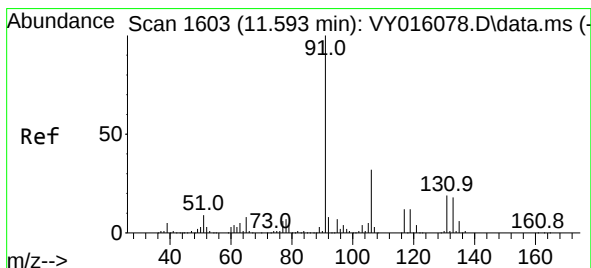
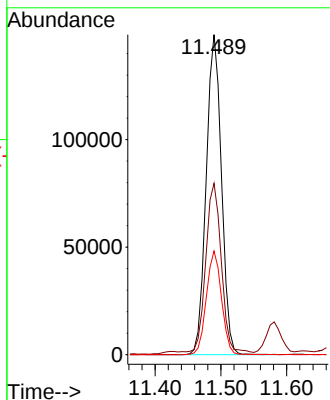
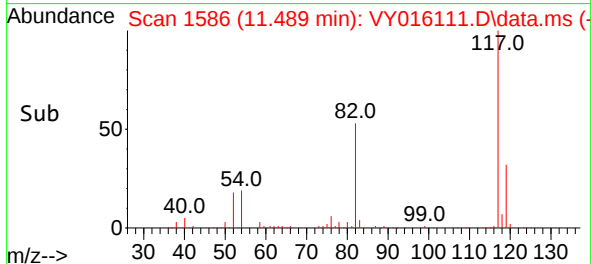
Instrument :
MSVOA_Y
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Tgt Ion:117 Resp: 239990
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.4 26.3 39.5

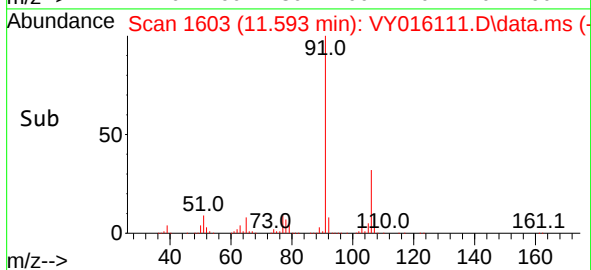
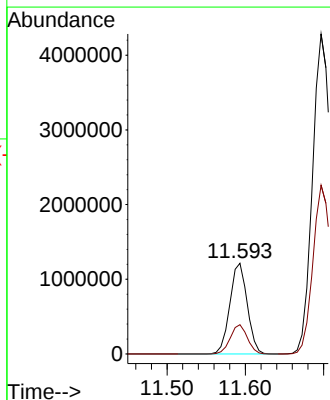
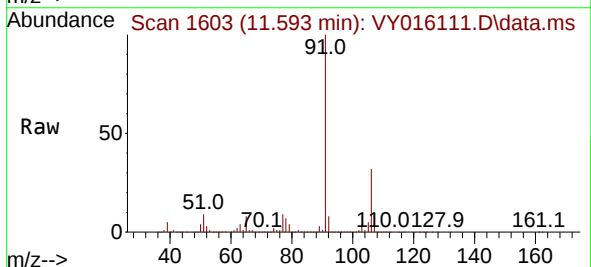
Manual Integrations
APPROVED

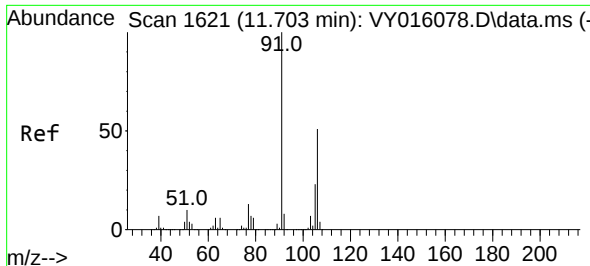
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#67
Ethyl Benzene
Concen: 222.702 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

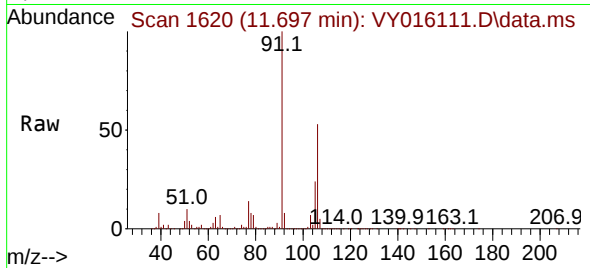
Tgt Ion: 91 Resp: 1865602
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8





#68
m/p-Xylenes
Concen: 1163.114 ug/l
RT: 11.697 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

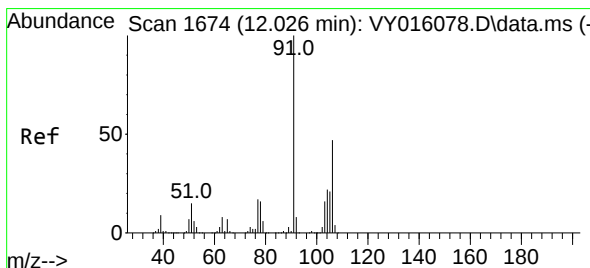
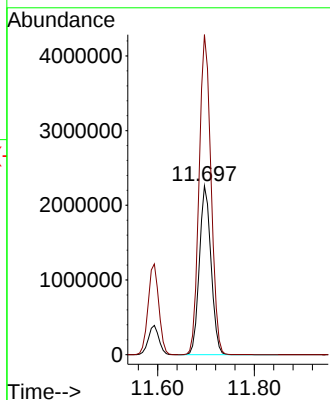
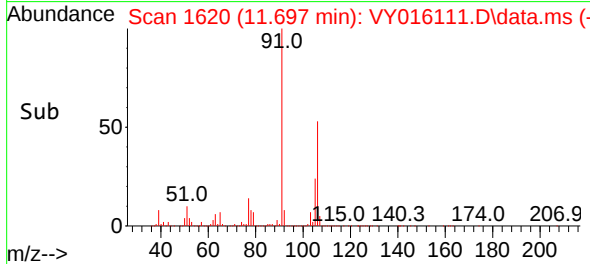
Instrument :
MSVOA_Y
ClientSampleId :
1073



Tgt Ion:106 Resp: 3770660
Ion Ratio Lower Upper
106 100
91 193.9 166.1 249.1

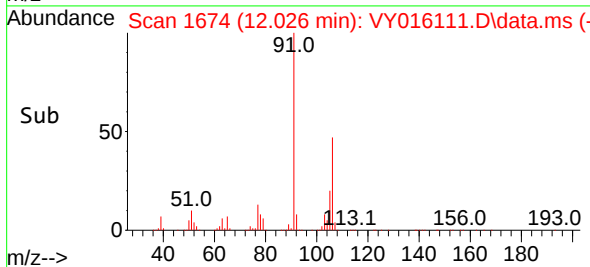
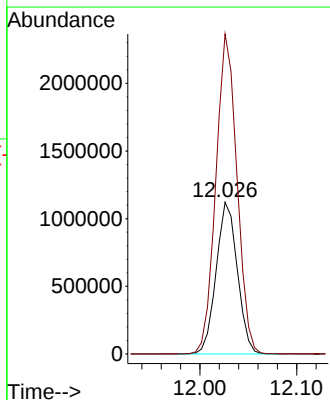
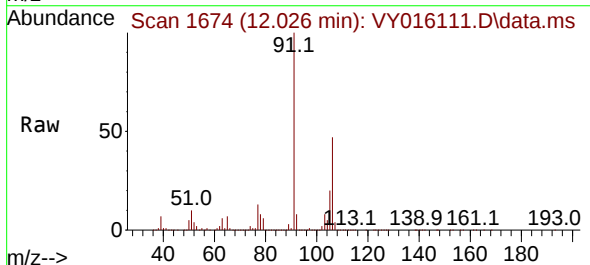
Manual Integrations
APPROVED

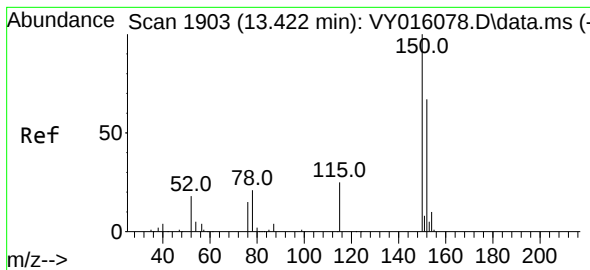
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#69
o-Xylene
Concen: 549.196 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

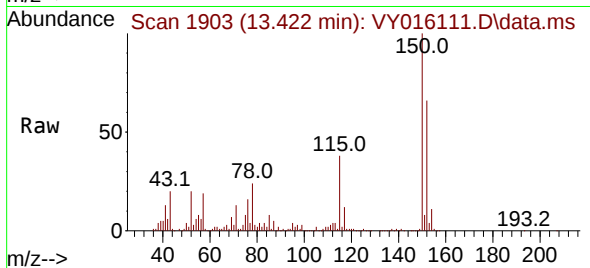
Tgt Ion:106 Resp: 1704488
Ion Ratio Lower Upper
106 100
91 210.1 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

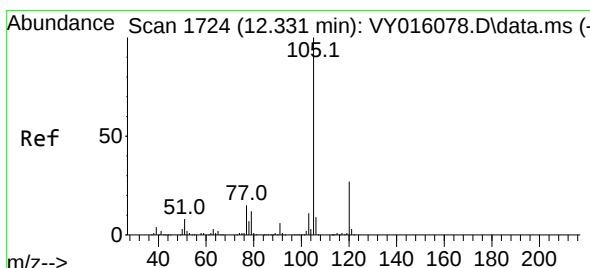
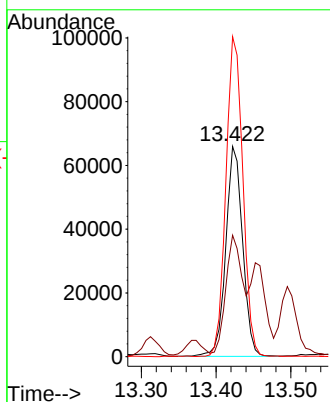
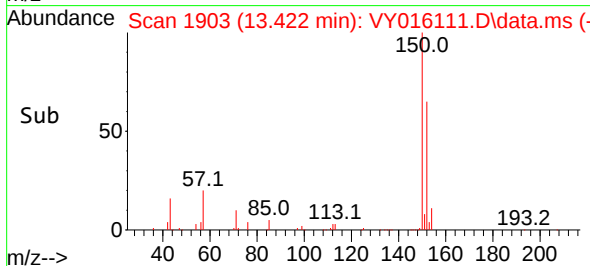
Instrument :
MSVOA_Y
ClientSampleId :
1073



Tgt Ion:152 Resp: 103421
Ion Ratio Lower Upper
152 100
115 55.8 28.8 86.5
150 152.9 0.0 348.8

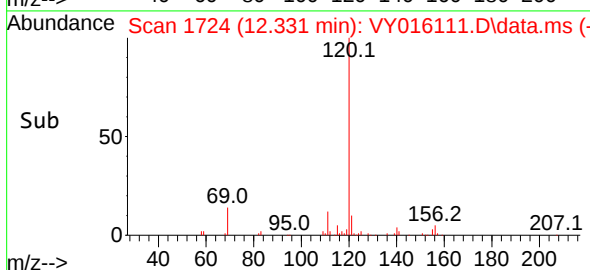
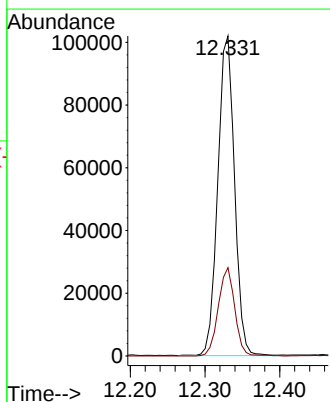
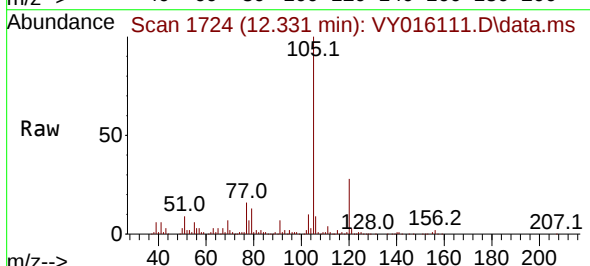
Manual Integrations
APPROVED

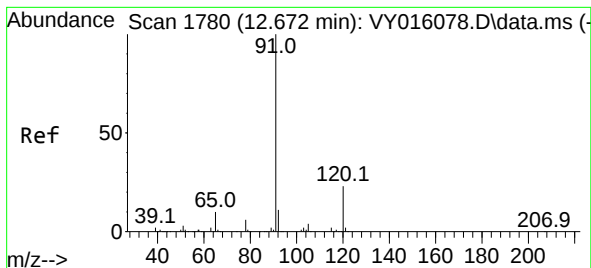
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#73
Isopropylbenzene
Concen: 21.812 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

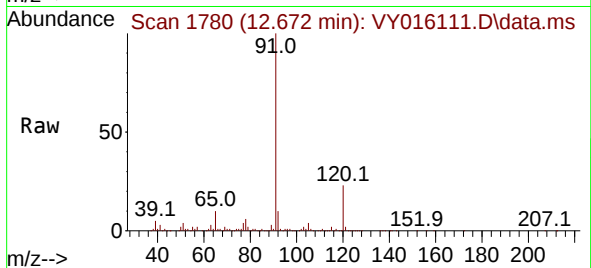
Tgt Ion:105 Resp: 158762
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9





#78
n-propylbenzene
Concen: 37.167 ug/l
RT: 12.672 min Scan# 11073
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

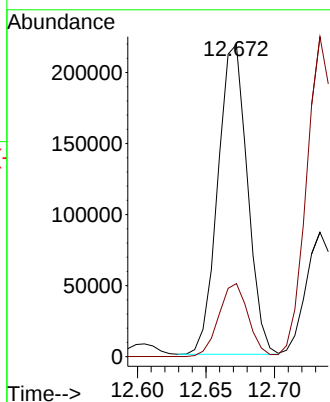
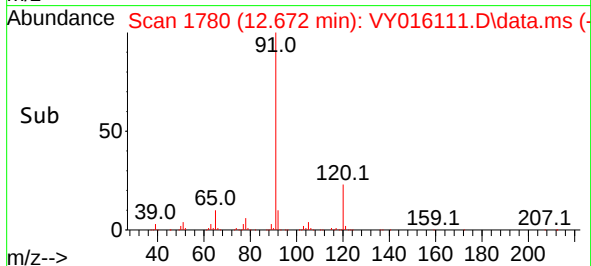
Instrument :
MSVOA_Y
ClientSampleId :
1073



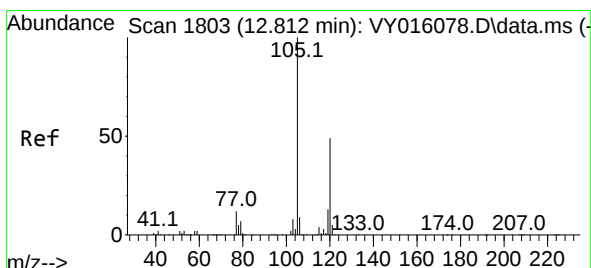
Tgt Ion: 91 Resp: 32756
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4

Manual Integrations
APPROVED

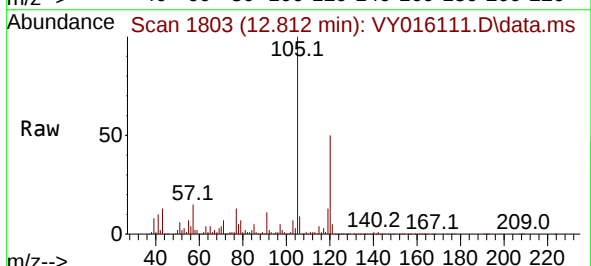
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



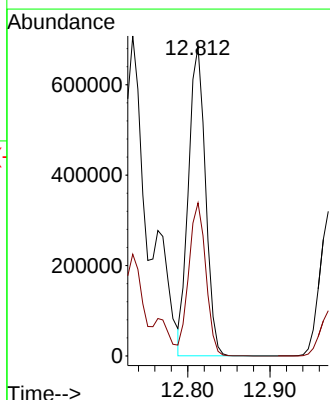
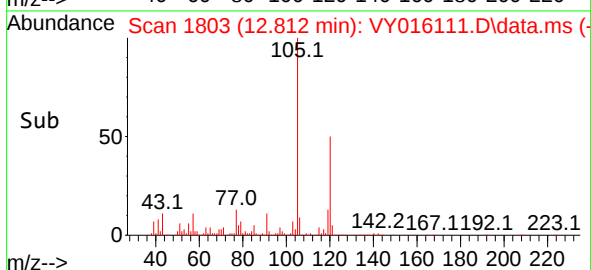
Supervised By :Semsettin
Yesilyurt
10/30/2023

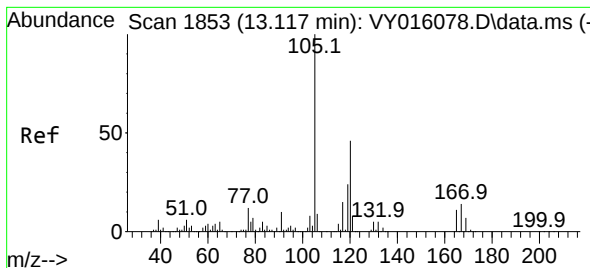


#80
1,3,5-Trimethylbenzene
Concen: 162.677 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07



Tgt Ion:105 Resp: 983095
Ion Ratio Lower Upper
105 100
120 49.6 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 382.690 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

1073

Tgt Ion:105 Resp: 228408

Ion Ratio Lower Upper

105 100

120 46.1 22.2 66.6

Manual Integrations

APPROVED

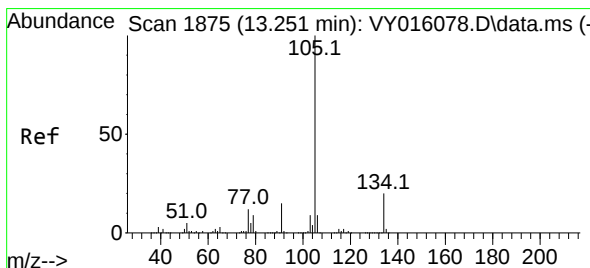
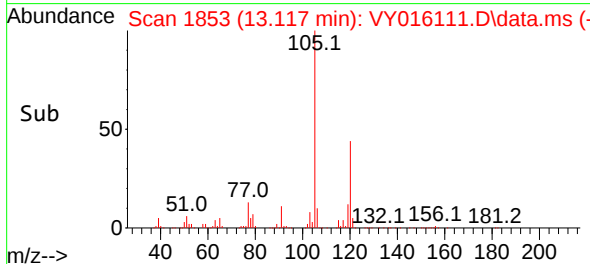
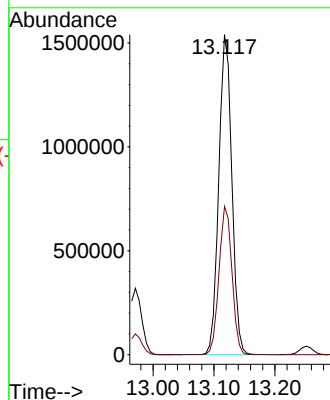
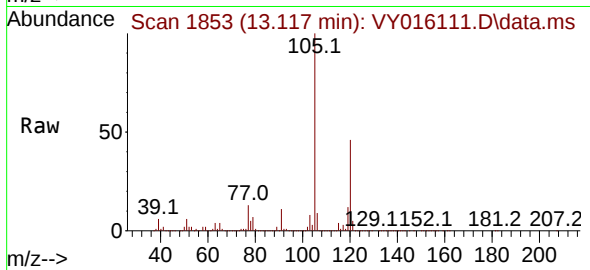
Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023

Supervised By :Semsettin

Yesilyurt

10/30/2023



#85

sec-Butylbenzene

Concen: 7.717 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY016111.D

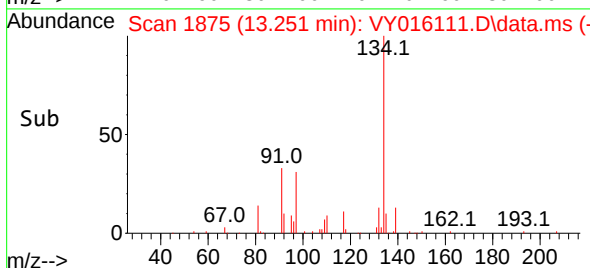
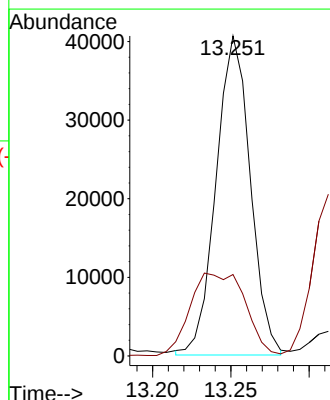
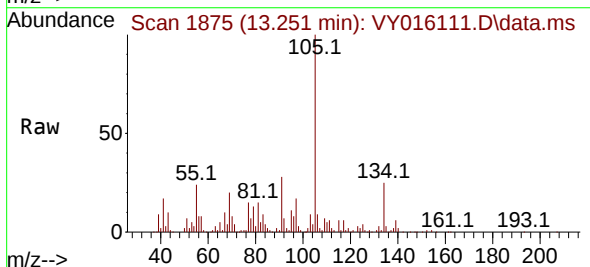
Acq: 27 Oct 2023 18:07

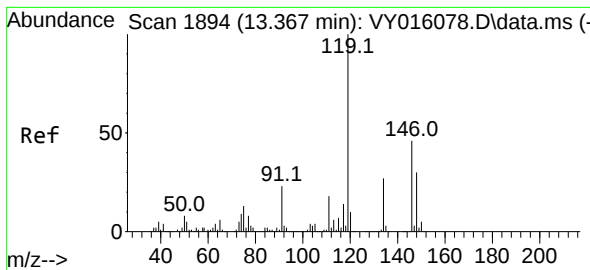
Tgt Ion:105 Resp: 61743

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





#86
p-Isopropyltoluene
Concen: 11.556 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

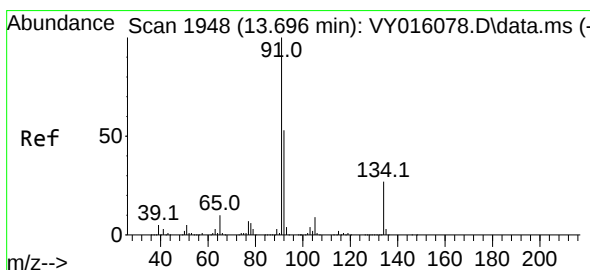
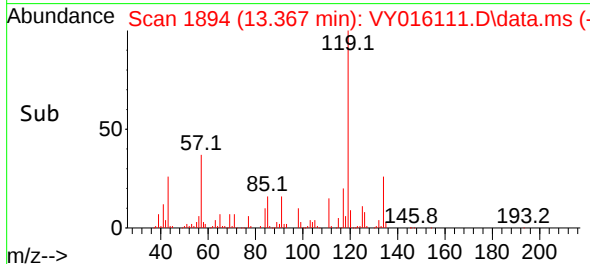
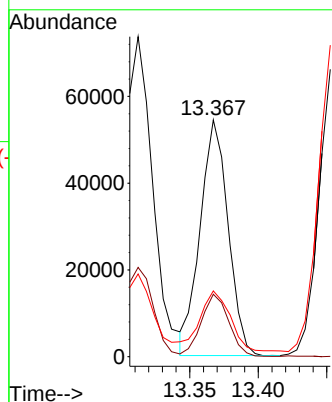
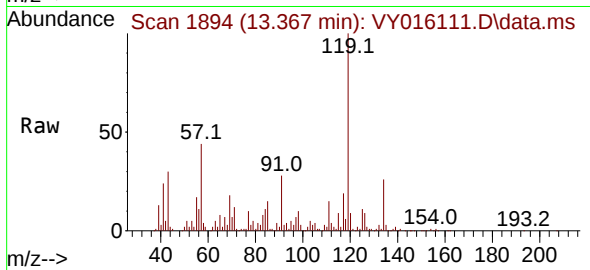
Instrument :
MSVOA_Y
ClientSampleId :
1073

Tgt Ion:119 Resp: 7715
Ion Ratio Lower Upper
119 100
134 26.1 13.3 39.8
91 27.8 12.4 37.4

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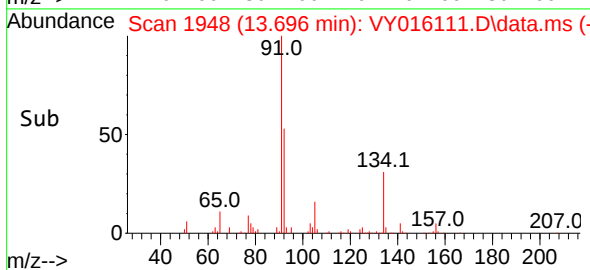
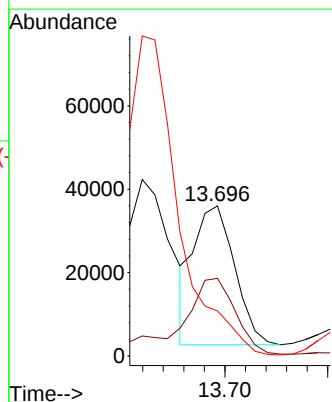
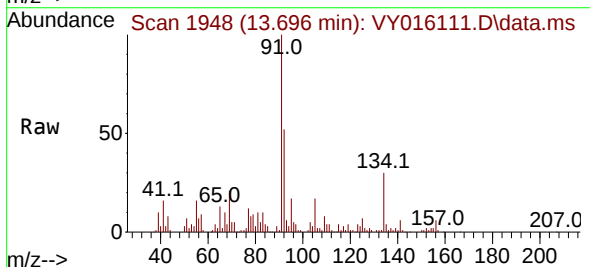
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

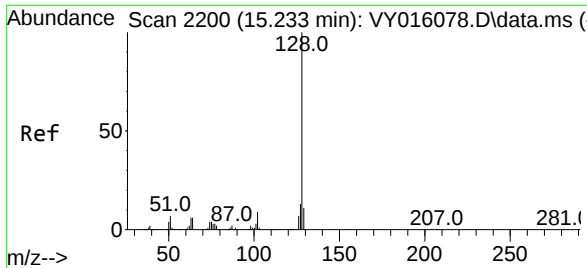
Supervised By :Semsettin
Yesilyurt
10/30/2023



#89
n-Butylbenzene
Concen: 7.366 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

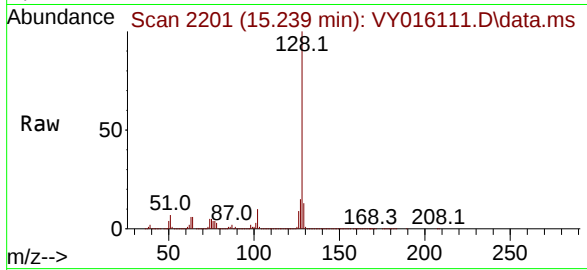
Tgt Ion: 91 Resp: 45875
Ion Ratio Lower Upper
91 100
92 71.7 25.4 76.0
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 3201.667 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

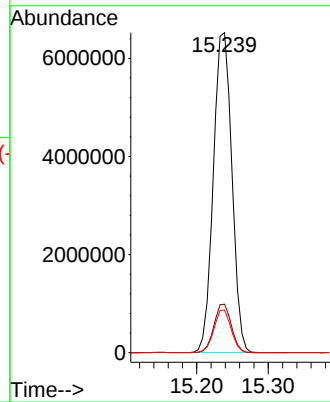
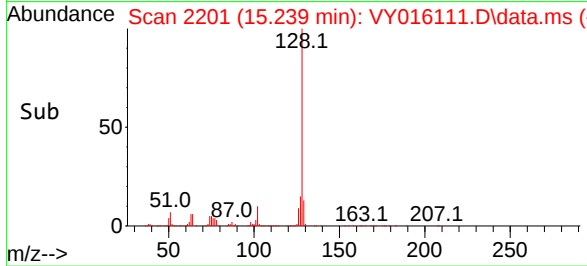
Instrument :
MSVOA_Y
ClientSampleId :
1073



Tgt Ion:128 Resp:11731970
Ion Ratio Lower Upper
128 100
127 14.3 10.8 16.2
129 12.5 8.6 13.0

Manual Integrations
APPROVED

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



Supervised By :Semsettin
Yesilyurt
10/30/2023