

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016109.D
 Acq On : 27 Oct 2023 17:20
 Operator : SY/MD
 Sample : 05107-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1048

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 06:10:20 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	134801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76769	57.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.540%			
35) Dibromofluoromethane	7.716	113	72954	50.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.320%			
50) Toluene-d8	10.179	98	278970	52.299	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.483	95	87021	47.559	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.120%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	9538	26.253	ug/l	98
20) Methylene Chloride	4.716	84	35567	21.862	ug/l	86
31) Cyclohexane	7.783	56	64542	30.607	ug/l	94
39) Methylcyclohexane	9.179	83	176700	72.258	ug/l	93
40) Benzene	8.161	78	5281646	929.357	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	44600	43.938	ug/l	90
52) Toluene	10.246	92	5446903	1492.556	ug/l	88
64) Tetrachloroethene	10.721	164	19189	14.265	ug/l	95
67) Ethyl Benzene	11.593	91	1400497	197.385	ug/l	97
68) m/p-Xylenes	11.697	106	2968670	1081.169	ug/l	93
69) o-Xylene	12.026	106	1561922	594.182	ug/l	96
73) Isopropylbenzene	12.331	105	165961	30.606	ug/l	99
78) n-propylbenzene	12.672	91	317771	48.400	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1246834	276.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	2700517	607.364	ug/l	98
85) sec-Butylbenzene	13.251	105	78660m	13.198	ug/l	
86) p-Isopropyltoluene	13.367	119	100084	20.124	ug/l	96
89) n-Butylbenzene	13.696	91	50568	10.900	ug/l #	53
95) Naphthalene	15.239	128	14978597	5487.102	ug/l #	94

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

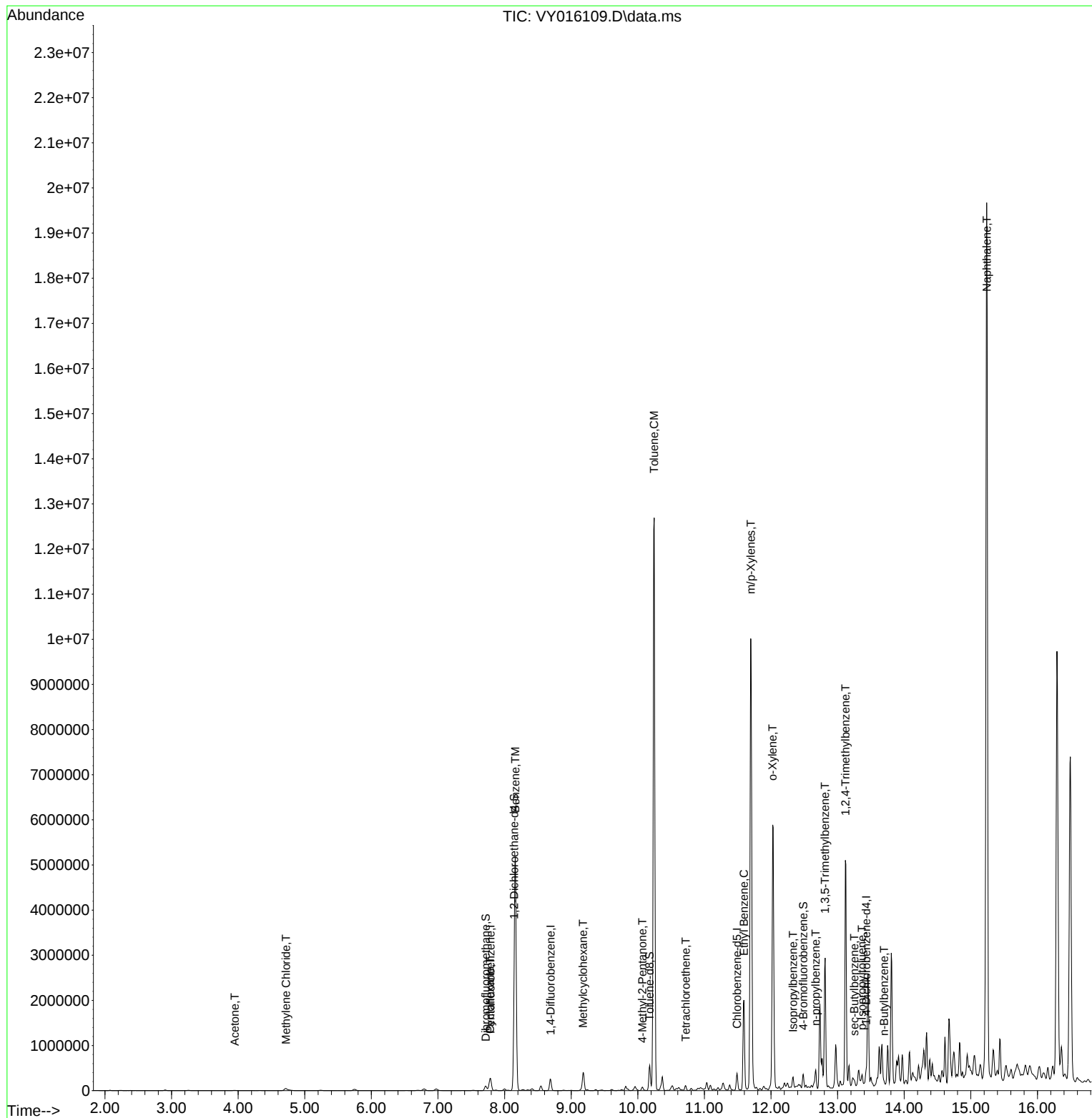
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
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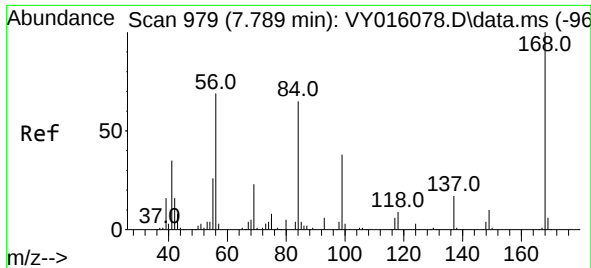
Instrument :
MSVOA_Y
ClientSampleId :
1048

Quant Time: Oct 30 06:10:20 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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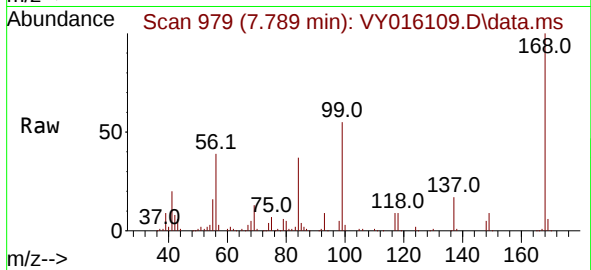
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

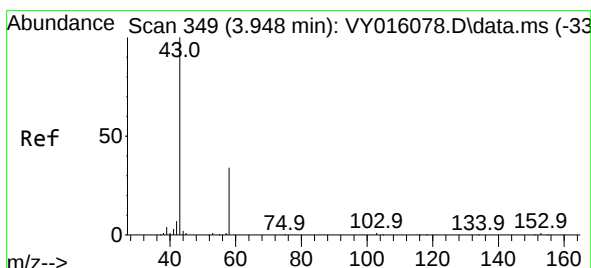
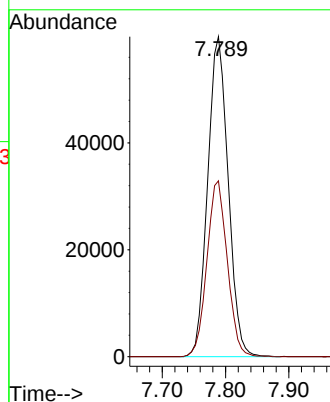
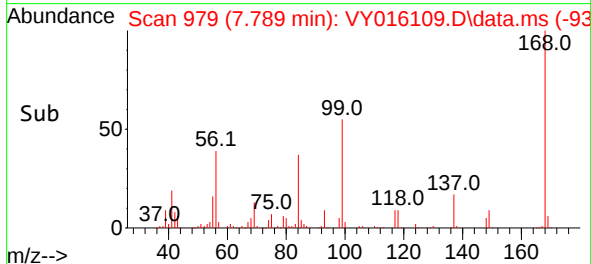
Instrument :
MSVOA_Y
ClientSampleId :
1048



Tgt Ion:168 Resp: 13480
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0

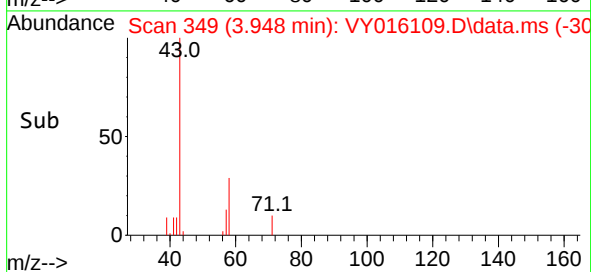
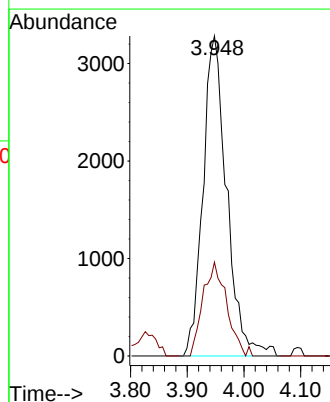
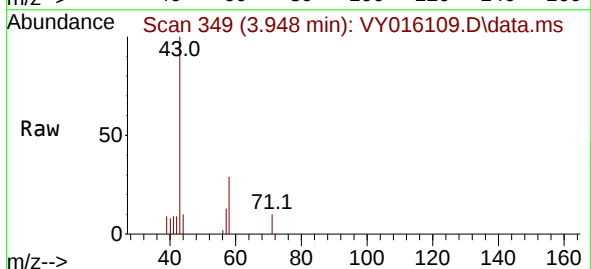
Manual Integrations
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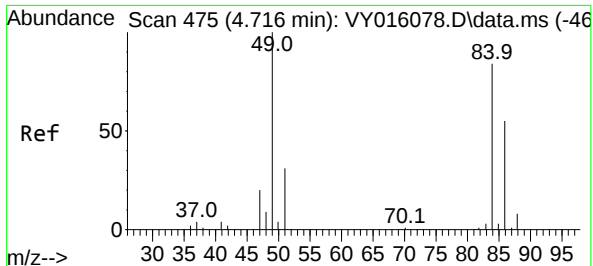
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#16
Acetone
Concen: 26.253 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

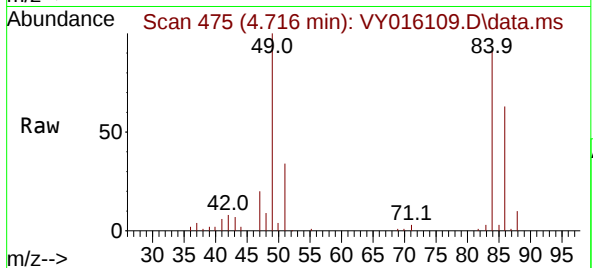
Tgt Ion: 43 Resp: 9538
Ion Ratio Lower Upper
43 100
58 29.3 22.7 34.1





#20
Methylene Chloride
Concen: 21.862 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
1048

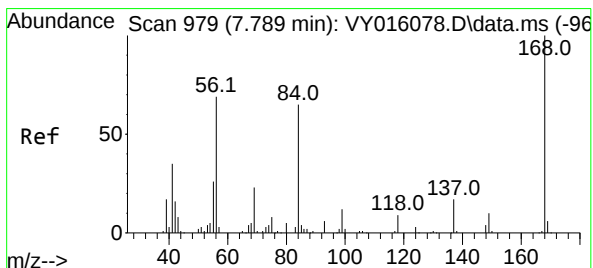
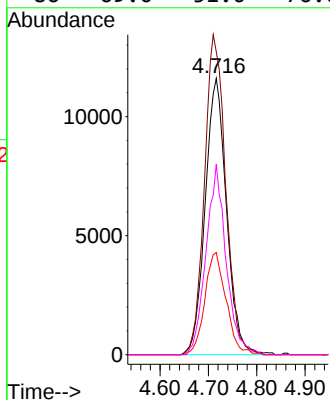
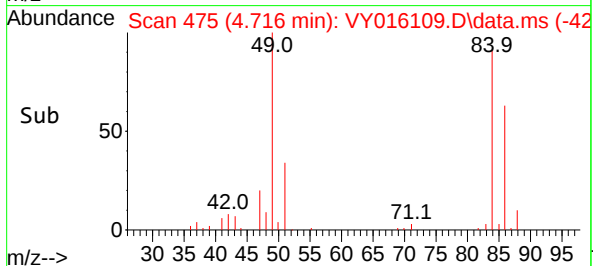


Tgt Ion: 84 Resp: 3556

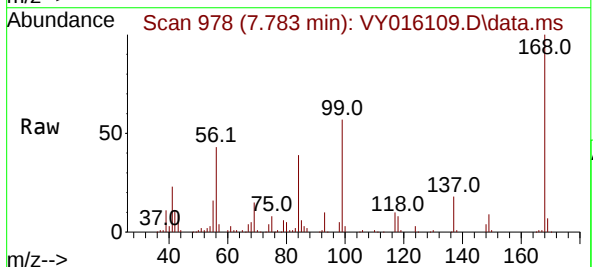
Ion	Ratio	Lower	Upper
84	100		
49	109.6	106.9	160.3
51	36.9	33.2	49.8
86	69.0	51.0	76.6

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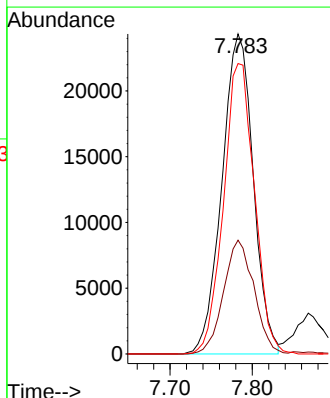
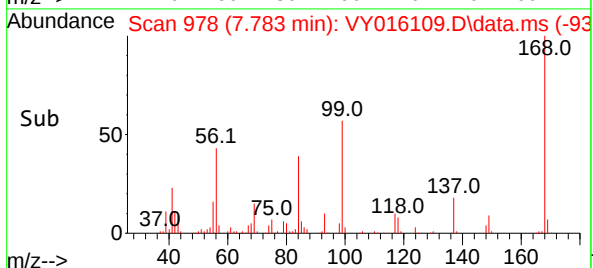


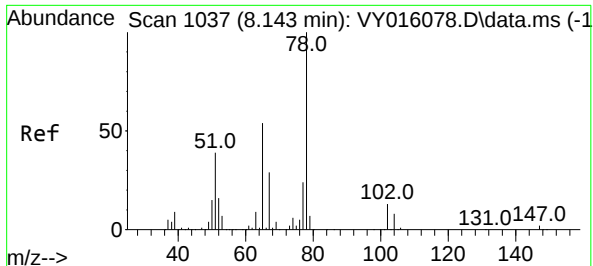
#31
Cyclohexane
Concen: 30.607 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20



Tgt Ion: 56 Resp: 64542

Ion	Ratio	Lower	Upper
56	100		
69	35.6	27.8	41.6
84	90.7	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 57.273 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY016109.D

Acq: 27 Oct 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

1048

Tgt Ion: 65 Resp: 76769

Ion Ratio Lower Upper

65 100

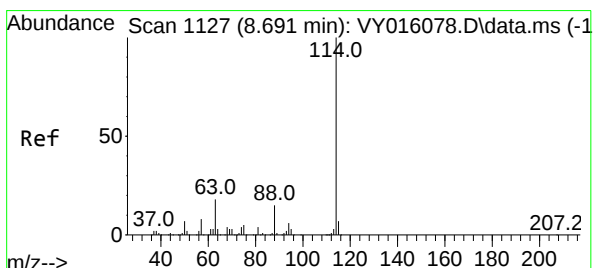
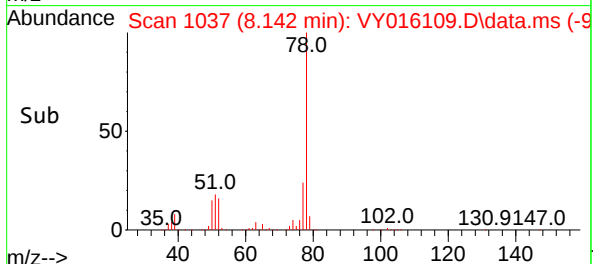
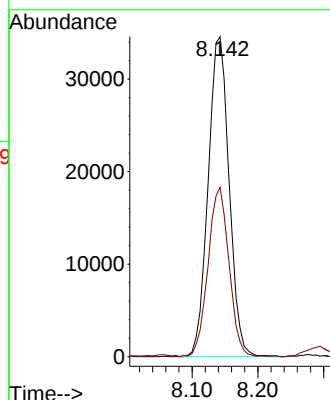
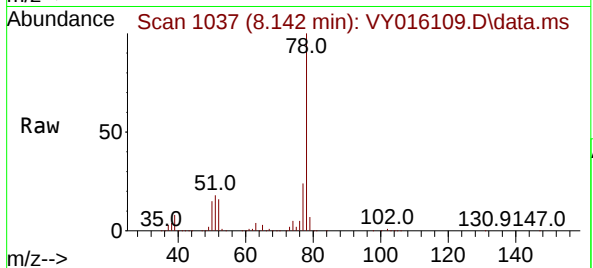
67 53.0 0.0 101.8

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Supervised By :Semsettin Yesilyurt 10/30/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016109.D

Acq: 27 Oct 2023 17:20

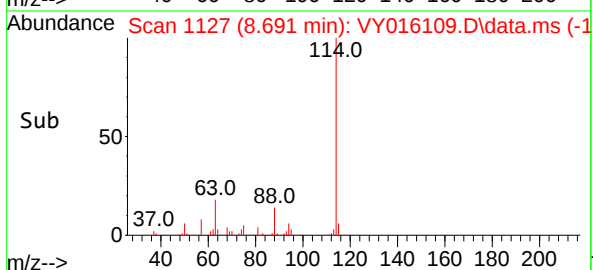
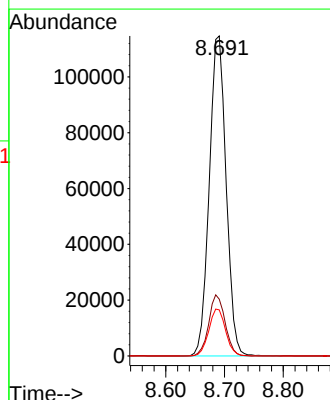
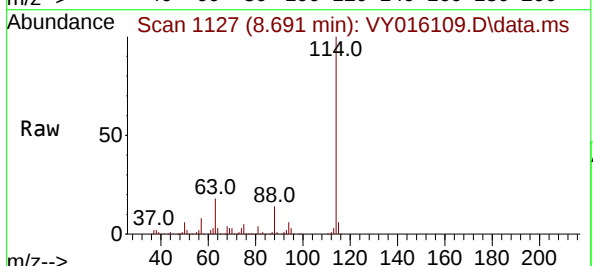
Tgt Ion:114 Resp: 228108

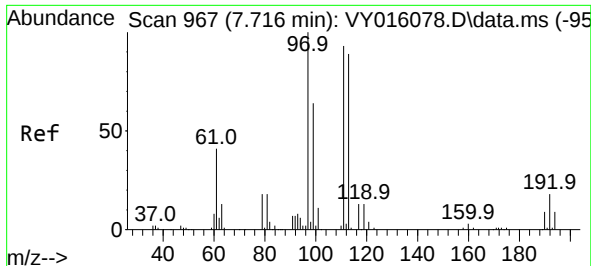
Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

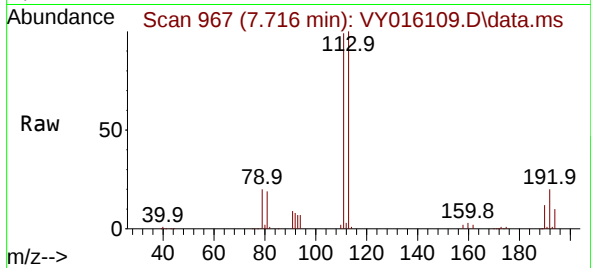
88 14.4 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.661 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

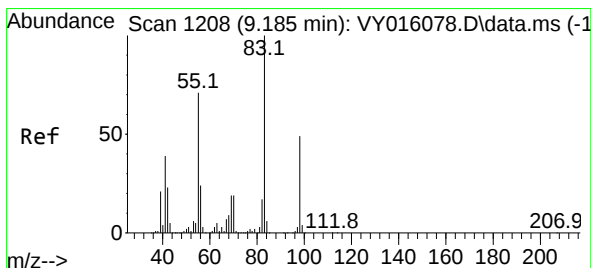
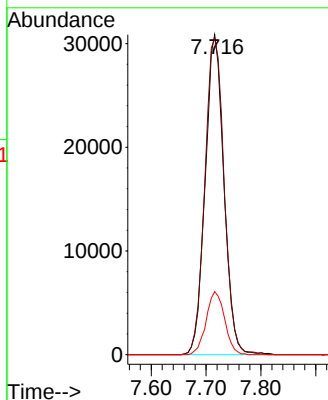
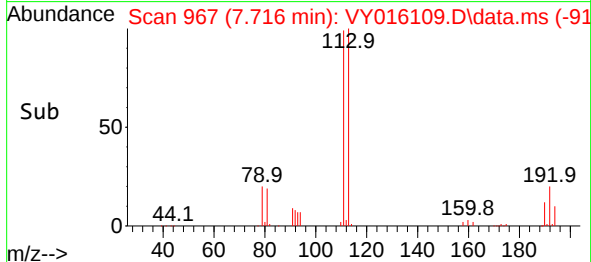
Instrument :
MSVOA_Y
ClientSampleId :
1048



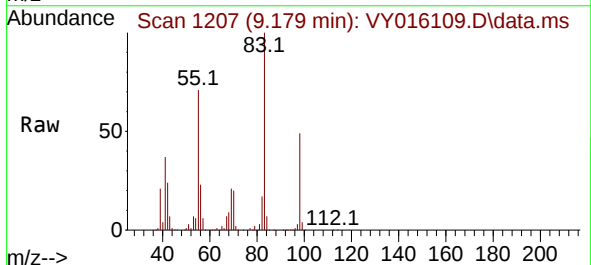
Tgt Ion: 113 Resp: 72954
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.5 16.9 25.3

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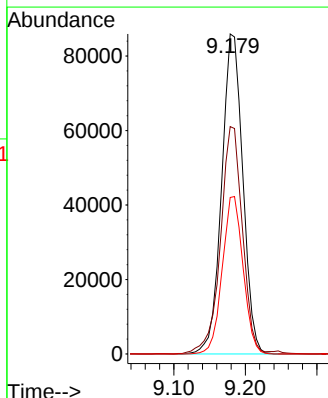
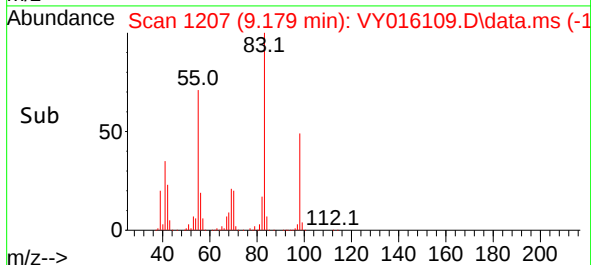
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

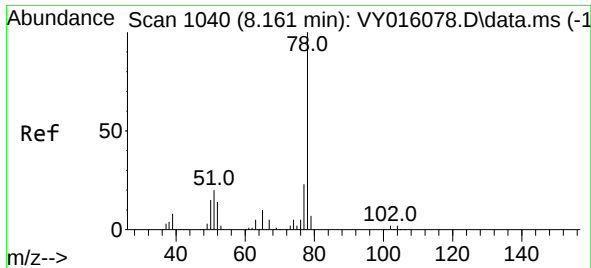


#39
Methylcyclohexane
Concen: 72.258 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20



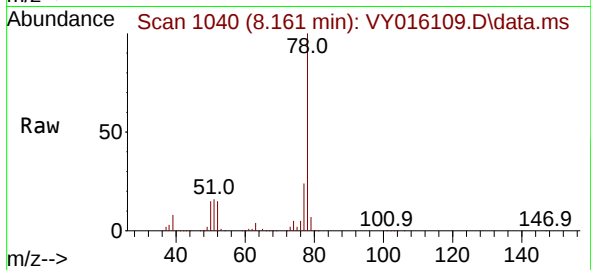
Tgt Ion: 83 Resp: 176700
Ion Ratio Lower Upper
83 100
55 70.9 63.0 94.4
98 48.9 37.4 56.2





#40
Benzene
Concen: 929.357 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

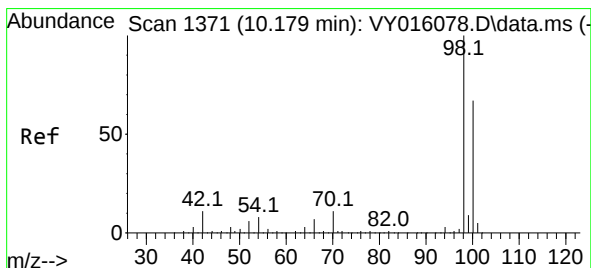
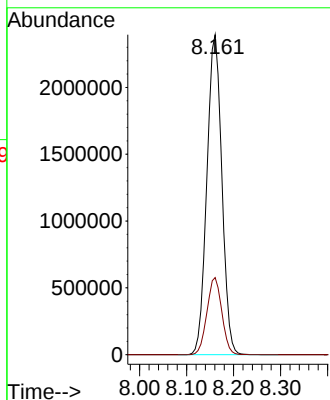
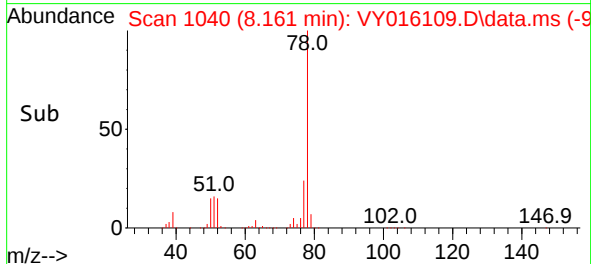
Instrument :
MSVOA_Y
ClientSampleId :
1048



Tgt Ion: 78 Resp: 5281640
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

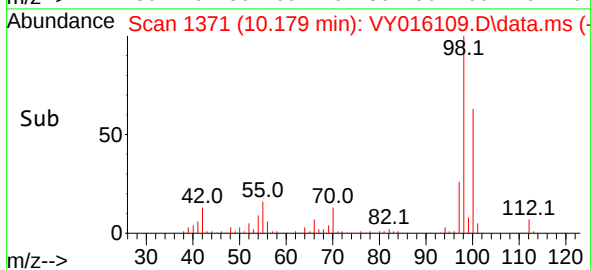
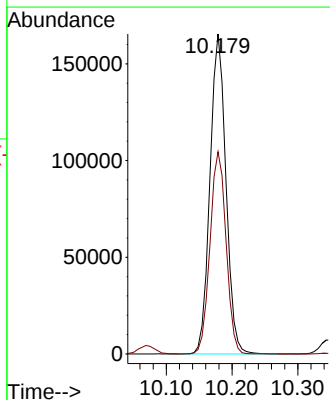
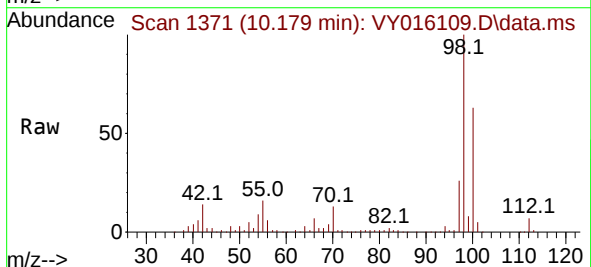
Manual Integrations
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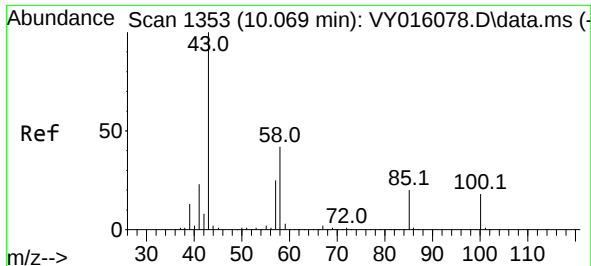
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#50
Toluene-d8
Concen: 52.299 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Tgt Ion: 98 Resp: 278970
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1





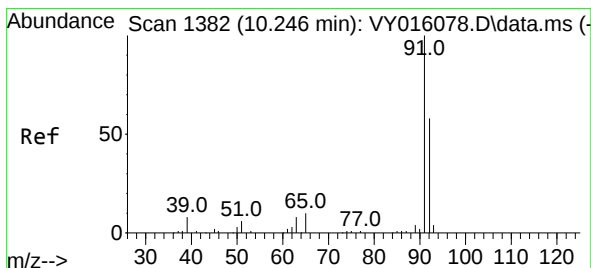
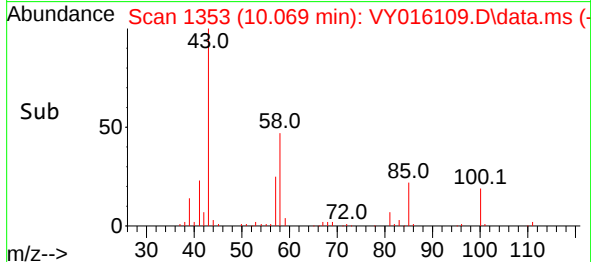
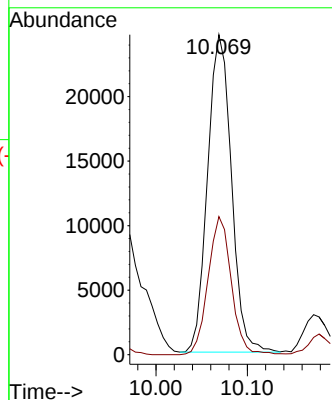
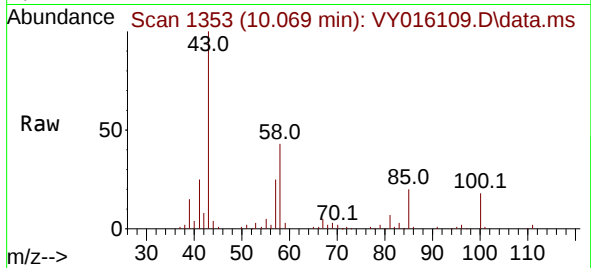
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4-Methyl-2-Pentanone
Concen: 43.938 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
1048

Tgt Ion: 43 Resp: 44600
Ion Ratio Lower Upper
43 100
58 42.4 29.0 43.6

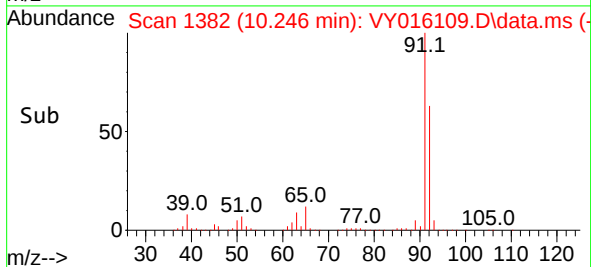
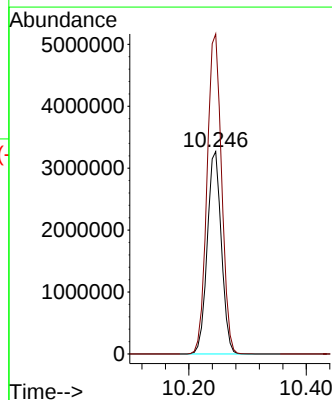
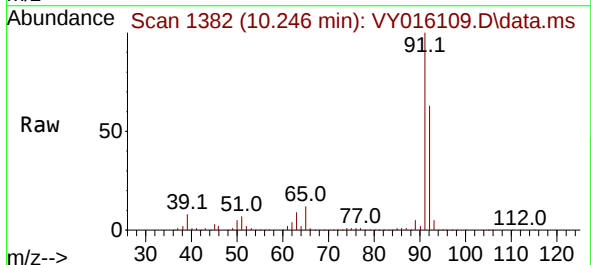
Manual Integrations
APPROVED

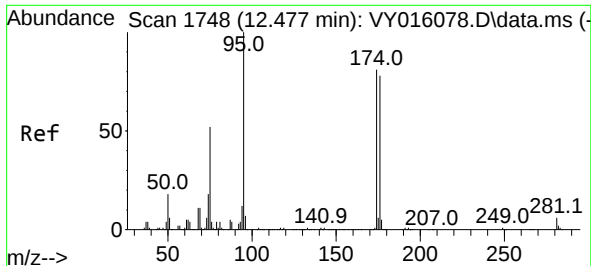
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#52
Toluene
Concen: 1492.556 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Tgt Ion: 92 Resp: 5446903
Ion Ratio Lower Upper
92 100
91 163.1 143.8 215.6





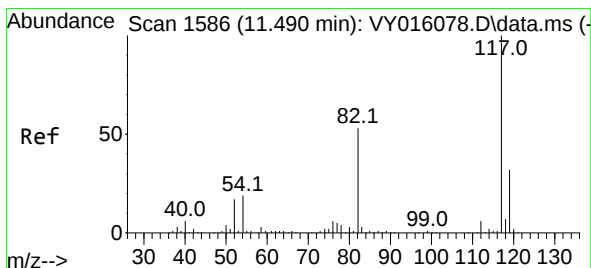
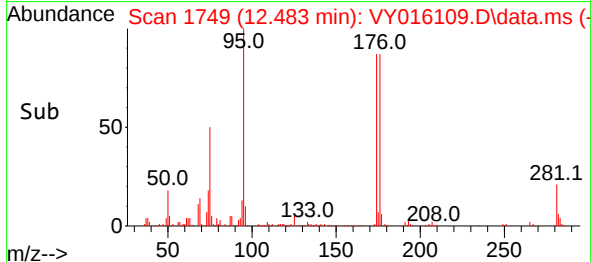
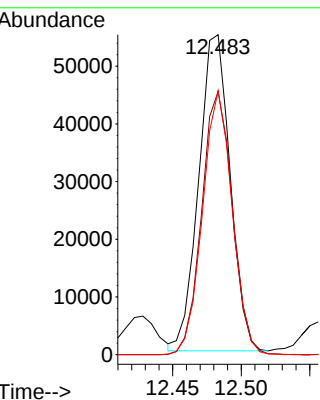
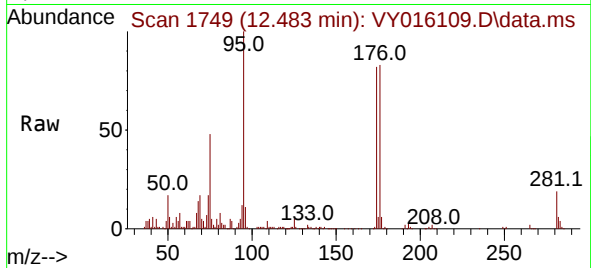
#62
4-Bromofluorobenzene
Concen: 47.559 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
1048

Tgt Ion: 95 Resp: 8702
Ion Ratio Lower Upper
95 100
174 81.9 0.0 178.2
176 79.1 0.0 173.8

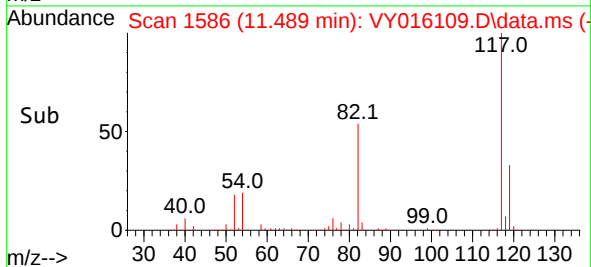
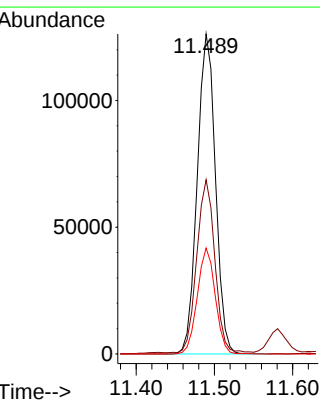
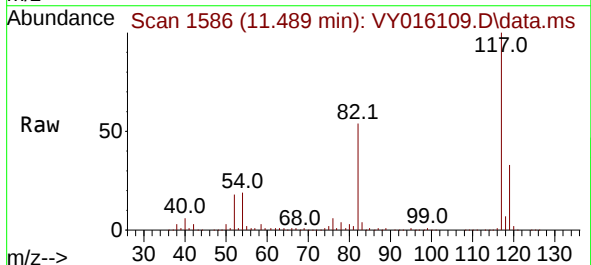
Manual Integrations
APPROVED

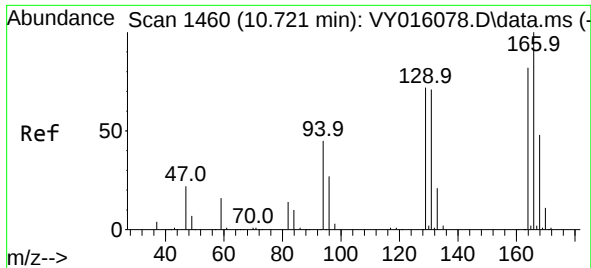
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

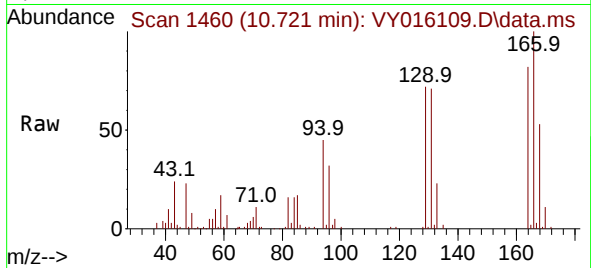
Tgt Ion:117 Resp: 203272
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 33.1 26.3 39.5





#64
Tetrachloroethene
Concen: 14.265 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

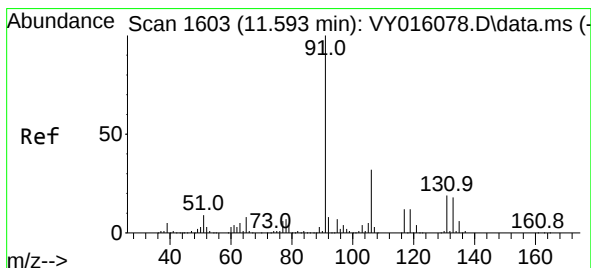
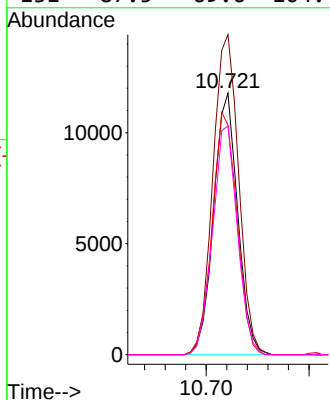
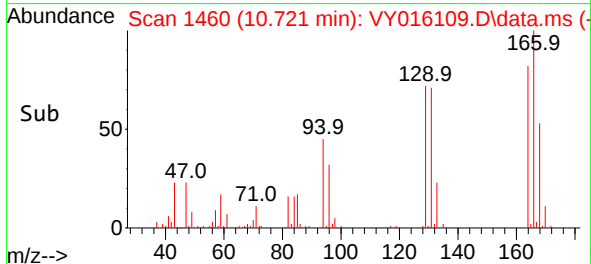
Instrument :
MSVOA_Y
ClientSampleId :
1048



Tgt Ion:164 Resp: 19189
Ion Ratio Lower Upper
164 100
166 122.4 103.0 154.6
129 87.9 77.2 115.8
131 87.5 69.6 104.4

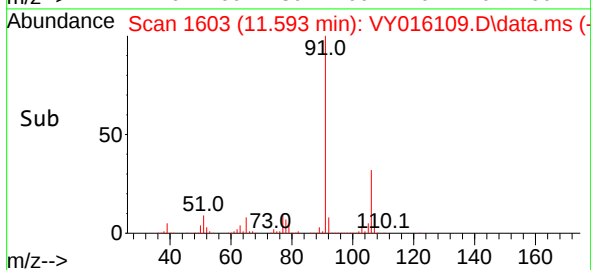
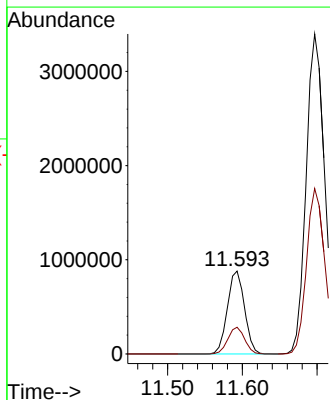
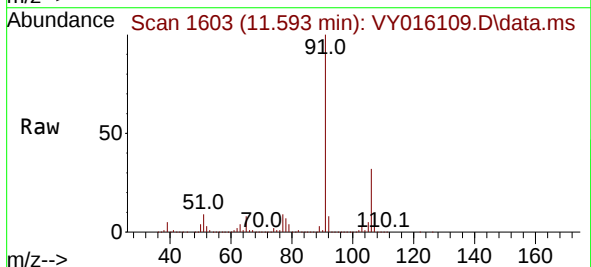
Manual Integrations
APPROVED

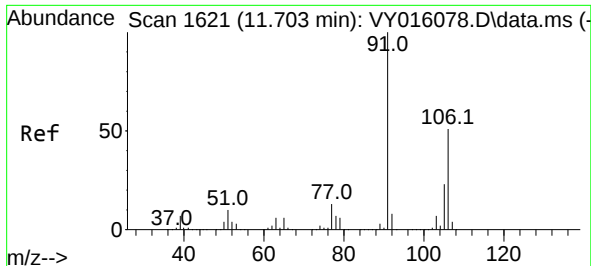
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#67
Ethyl Benzene
Concen: 197.385 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

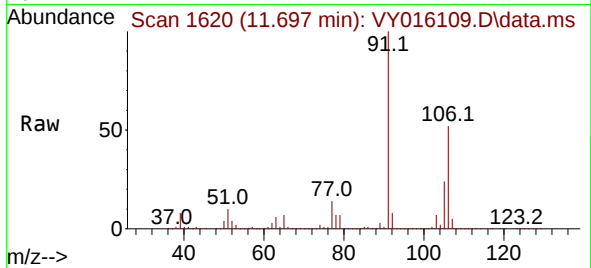
Tgt Ion: 91 Resp: 1400497
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8





#68
m/p-Xylenes
Concen: 1081.169 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

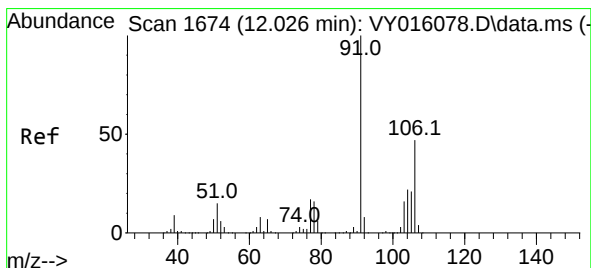
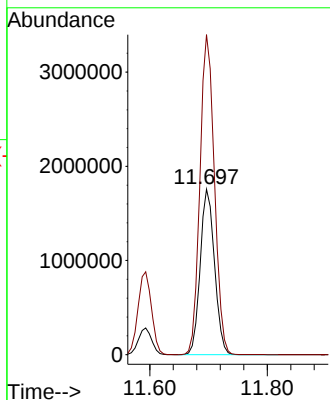
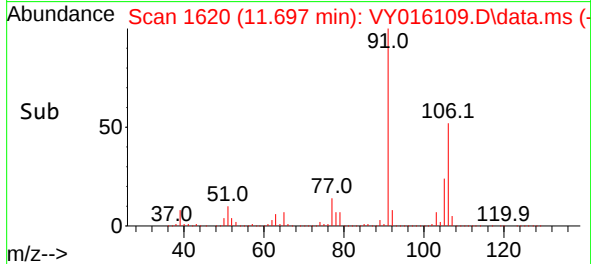
Instrument :
MSVOA_Y
ClientSampleId :
1048



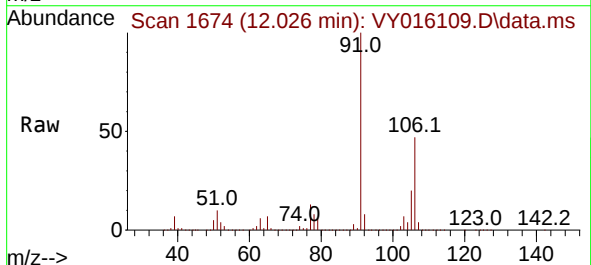
Tgt Ion:106 Resp: 2968670
Ion Ratio Lower Upper
106 100
91 196.1 166.1 249.1

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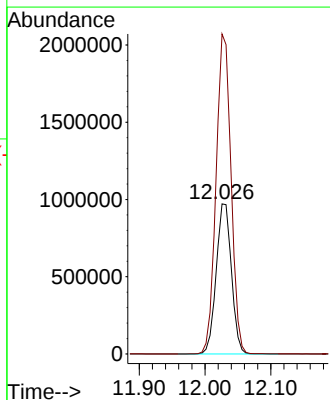
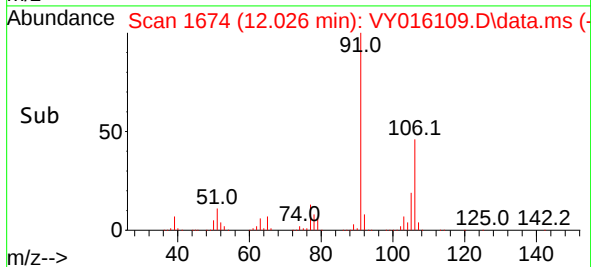
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

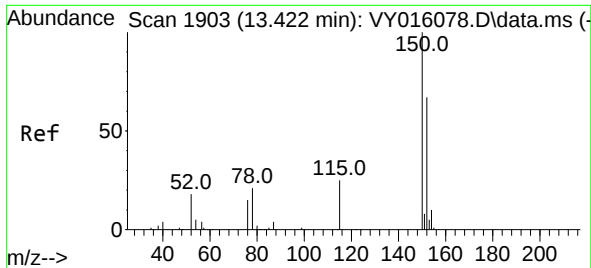


#69
o-Xylene
Concen: 594.182 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20



Tgt Ion:106 Resp: 1561922
Ion Ratio Lower Upper
106 100
91 210.2 108.1 324.3





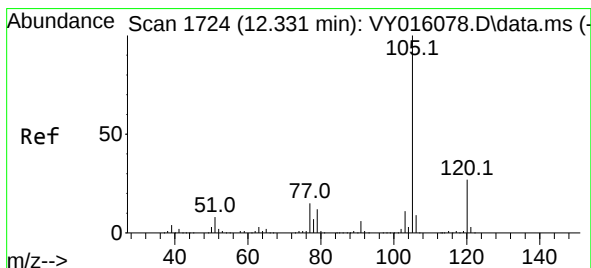
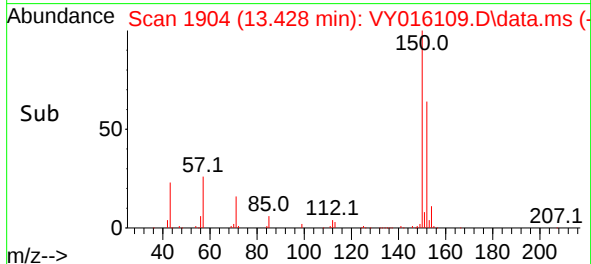
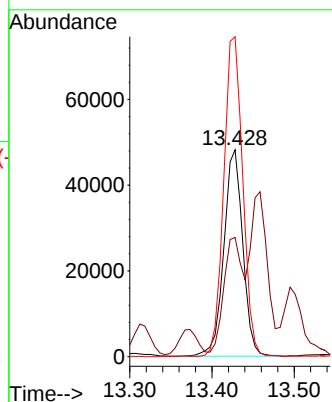
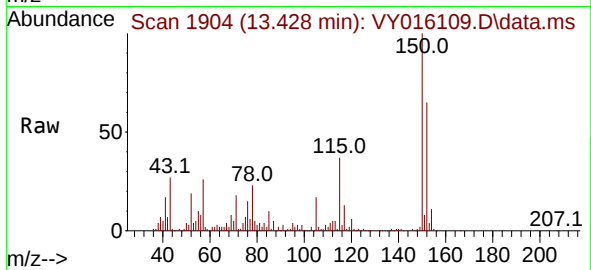
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
1048

Tgt Ion:152 Resp: 77049
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.5
150 155.4 0.0 348.8

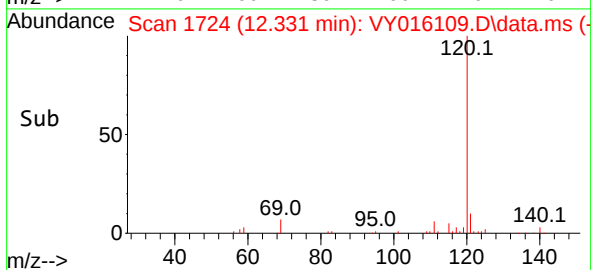
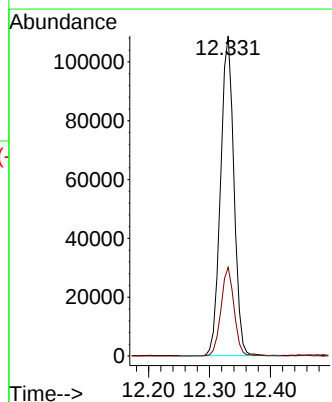
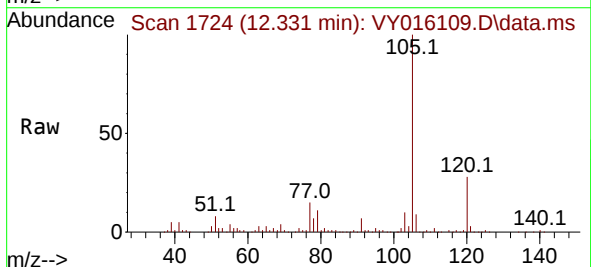
Manual Integrations
APPROVED

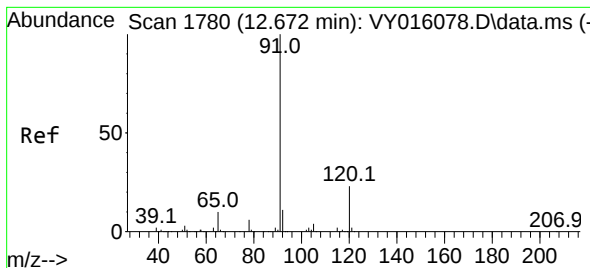
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#73
Isopropylbenzene
Concen: 30.606 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Tgt Ion:105 Resp: 165961
Ion Ratio Lower Upper
105 100
120 27.3 13.3 39.9





#78

n-propylbenzene

Concen: 48.400 ug/l

RT: 12.672 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016109.D

Acq: 27 Oct 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

1048

Tgt Ion: 91 Resp: 31777

Ion Ratio Lower Upper

91 100

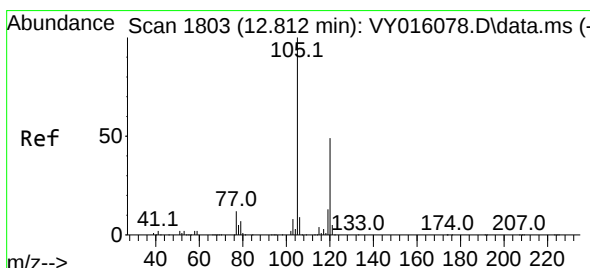
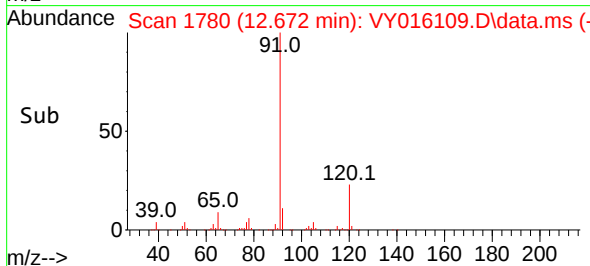
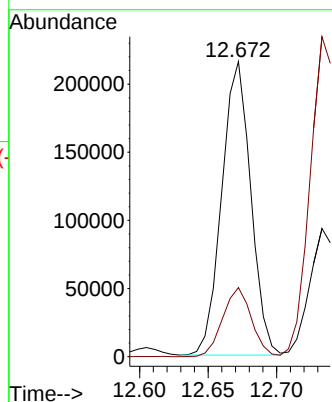
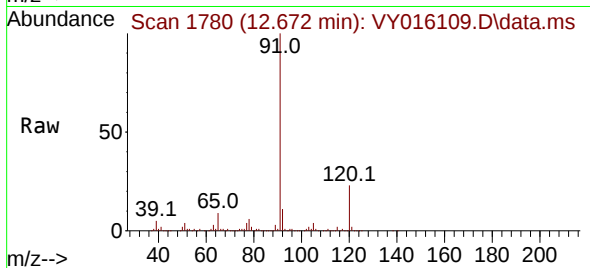
120 23.3 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#80

1,3,5-Trimethylbenzene

Concen: 276.952 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY016109.D

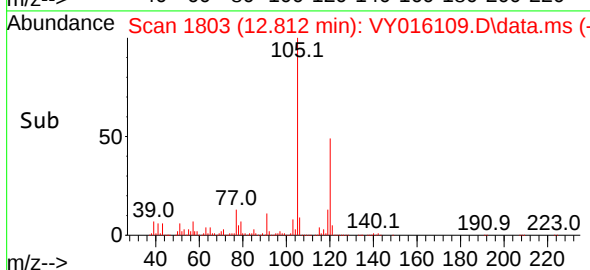
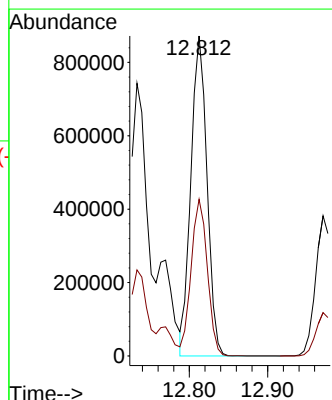
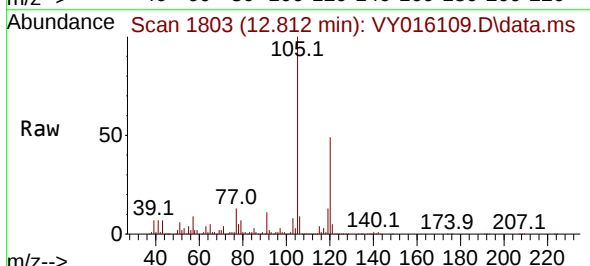
Acq: 27 Oct 2023 17:20

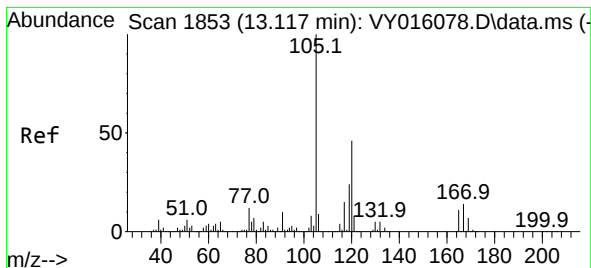
Tgt Ion:105 Resp: 1246834

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 607.364 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY016109.D

Acq: 27 Oct 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

1048

Tgt Ion:105 Resp: 270051

Ion Ratio Lower Upper

105 100

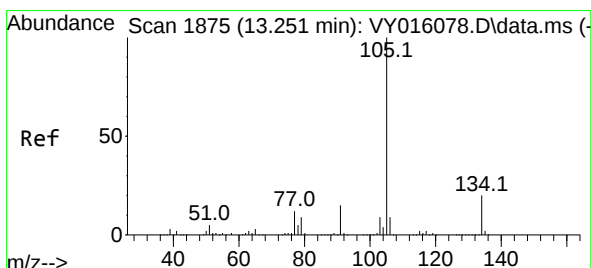
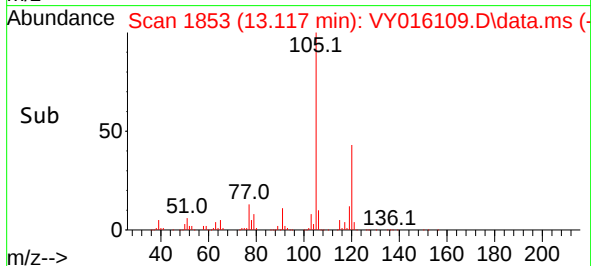
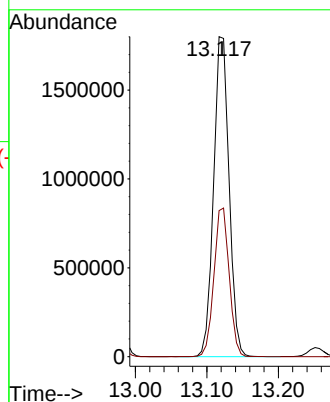
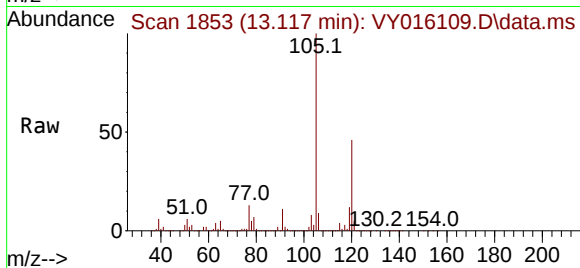
120 46.0 22.2 66.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#85

sec-Butylbenzene

Concen: 13.198 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY016109.D

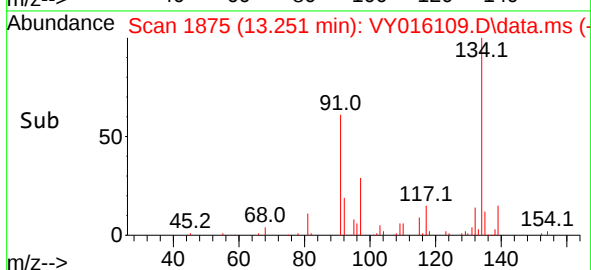
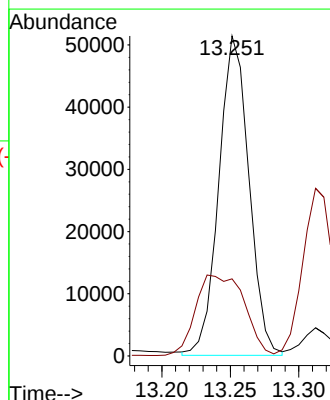
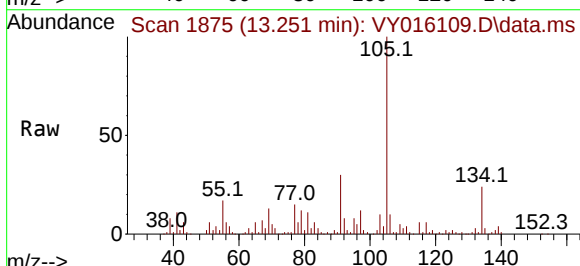
Acq: 27 Oct 2023 17:20

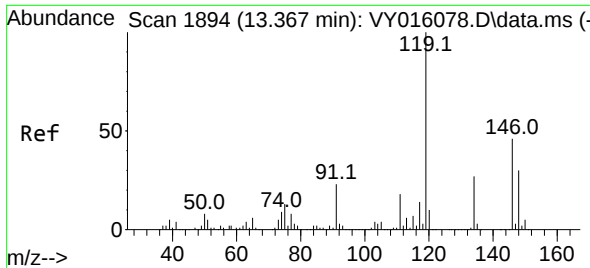
Tgt Ion:105 Resp: 78660

Ion Ratio Lower Upper

105 100

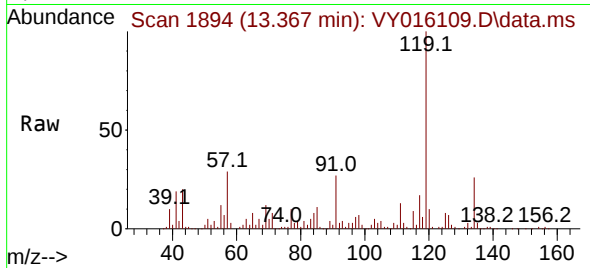
134 0.0 10.2 30.6#





#86
p-Isopropyltoluene
Concen: 20.124 ug/l
RT: 13.367 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

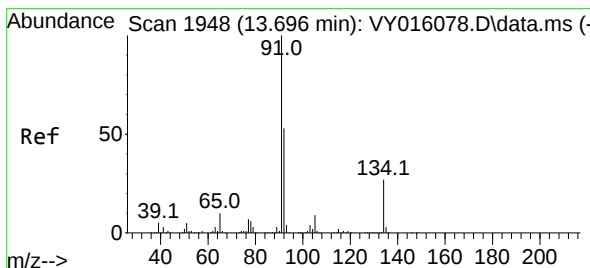
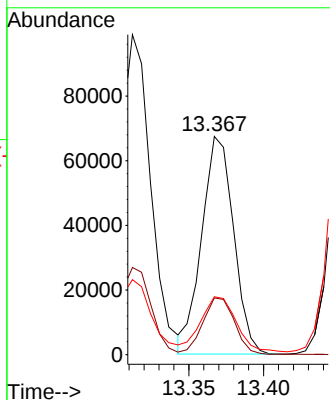
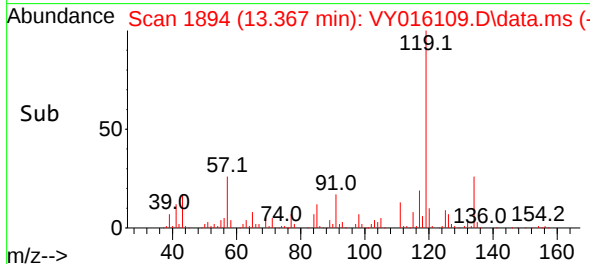
Instrument :
MSVOA_Y
ClientSampleId :
1048



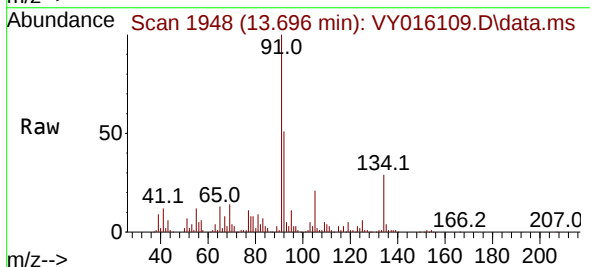
Tgt Ion:119 Resp: 100084
Ion Ratio Lower Upper
119 100
134 25.6 13.3 39.8
91 28.0 12.4 37.4

Manual Integrations
APPROVED

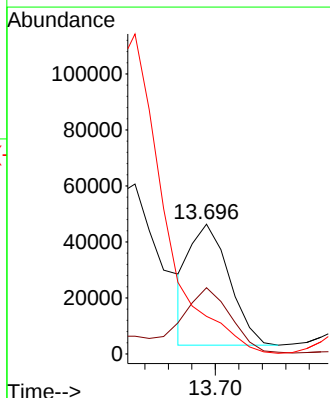
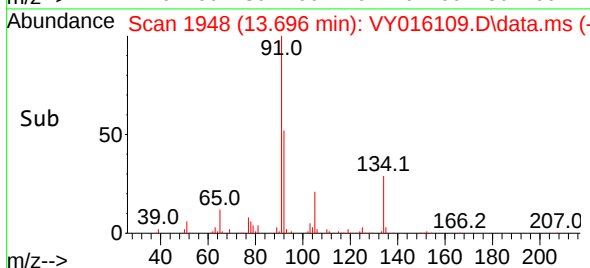
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

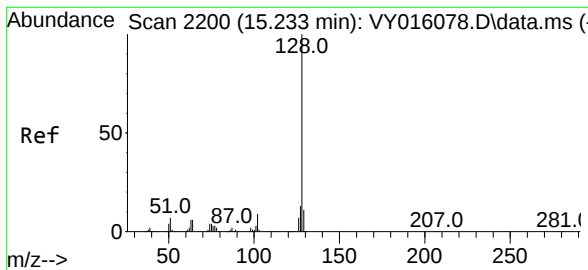


#89
n-Butylbenzene
Concen: 10.900 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20



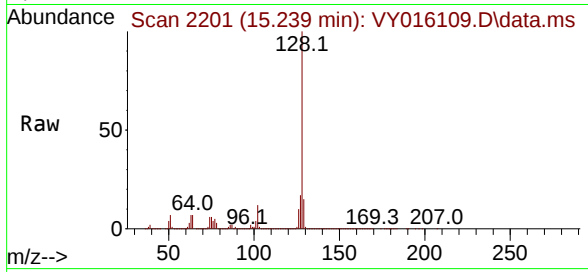
Tgt Ion: 91 Resp: 50568
Ion Ratio Lower Upper
91 100
92 82.0 25.4 76.0#
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 5487.102 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016109.D
Acq: 27 Oct 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
1048



Tgt Ion:128 Resp:1497859
Ion Ratio Lower Upper
128 100
127 15.5 10.8 16.2
129 13.6 8.6 13.0

Manual Integrations
APPROVED

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

