

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015537.D
 Acq On : 14 Sep 2023 16:39
 Operator : SY/MD
 Sample : 04374-02
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-2-(26-28)

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2023
 Supervised By :Semsettin Yesilyurt 09/15/2023

Quant Time: Sep 15 04:02:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	392582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	652240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	592248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	263410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	229741	54.591	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.180%			
35) Dibromofluoromethane	7.716	113	207349	55.193	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.380%			
50) Toluene-d8	10.179	98	787806	57.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.820%			
62) 4-Bromofluorobenzene	12.477	95	297515	58.908	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.820%			
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.186	76	33813	2.898	ug/l	97
20) Methylene Chloride	4.704	84	48099	2.737	ug/l	87
31) Cyclohexane	7.758	56	142554	19.069	ug/l #	52
39) Methylcyclohexane	9.179	83	260063	31.316	ug/l #	80
67) Ethyl Benzene	11.593	91	74077	3.233	ug/l	99
73) Isopropylbenzene	12.331	105	1160379	58.648	ug/l	100
78) n-propylbenzene	12.672	91	6302113	263.234	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	3883258	236.328	ug/l	97
85) sec-Butylbenzene	13.251	105	750635	34.719	ug/l #	66
86) p-Isopropyltoluene	13.367	119	394191	21.754	ug/l	99
89) n-Butylbenzene	13.696	91	704914m	41.332	ug/l	
95) Naphthalene	15.233	128	1387453	105.639	ug/l	95

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

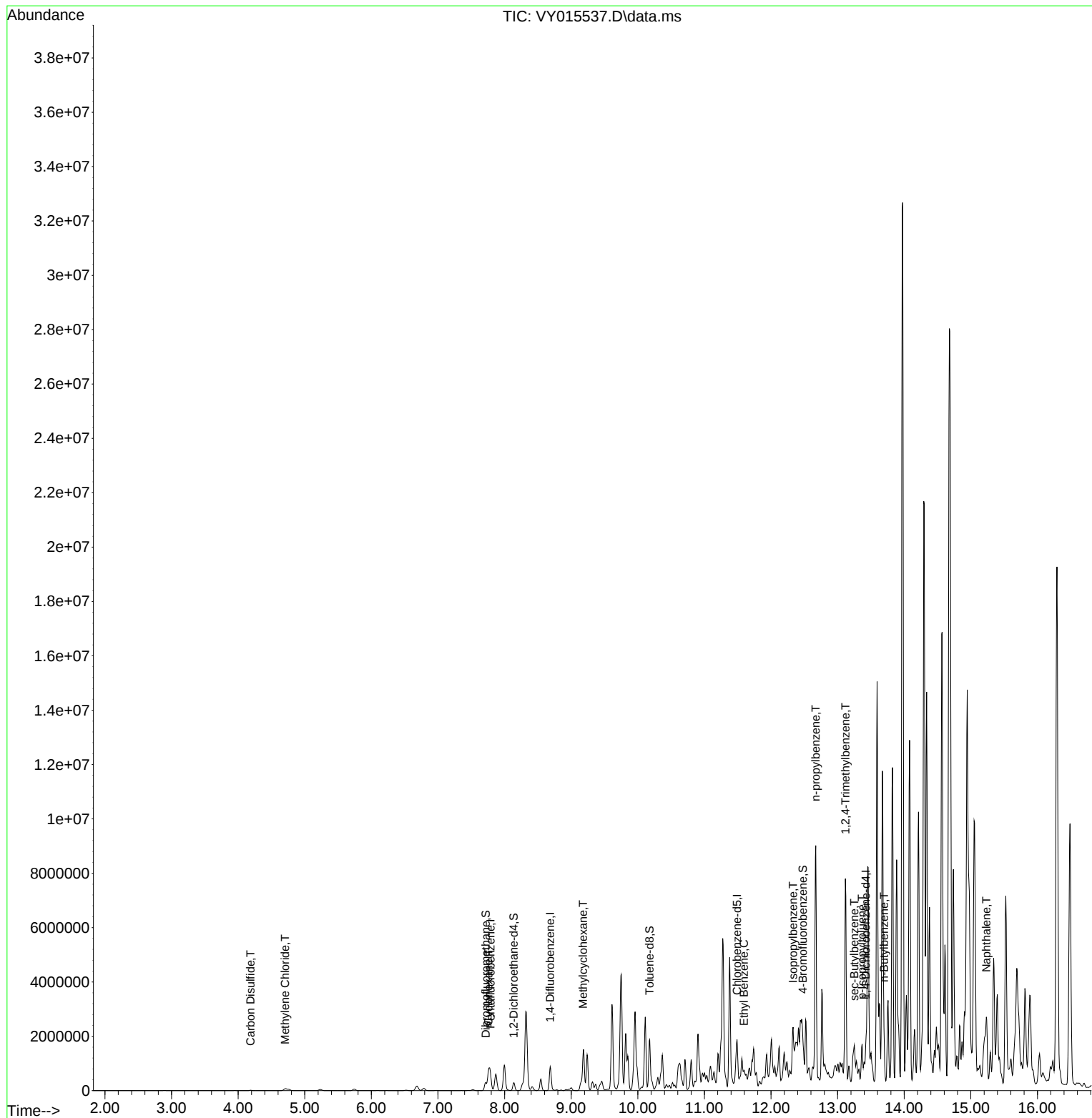
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015537.D
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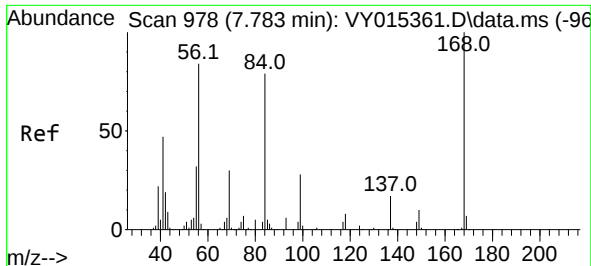
Instrument :
MSVOA_Y
ClientSampleId :
DB-2-(26-28)

Quant Time: Sep 15 04:02:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
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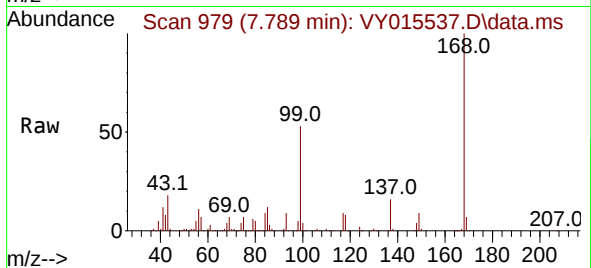
Reviewed By :Mahesh Dadoda 09/15/2023
Supervised By :Semsettin Yesilyurt 09/15/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

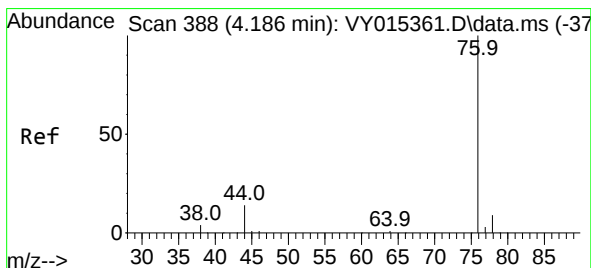
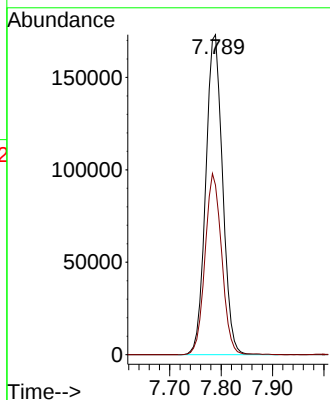
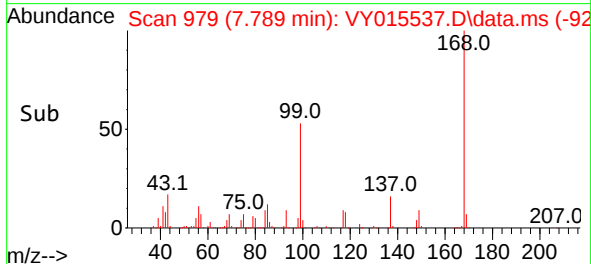
Instrument :
MSVOA_Y
ClientSampleId :
DB-2-(26-28)



Tgt Ion:168 Resp: 39258
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0

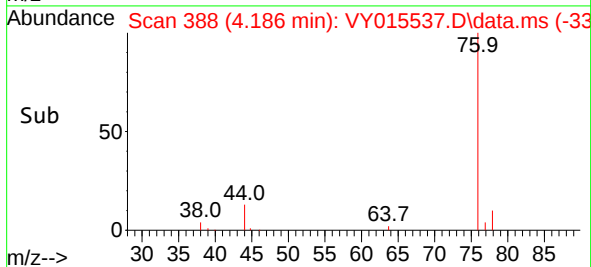
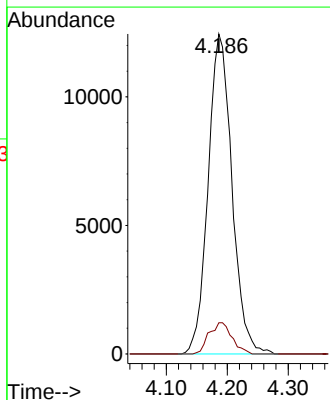
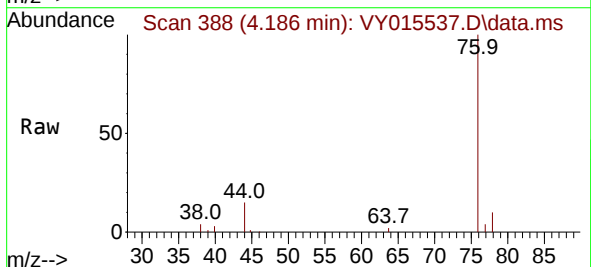
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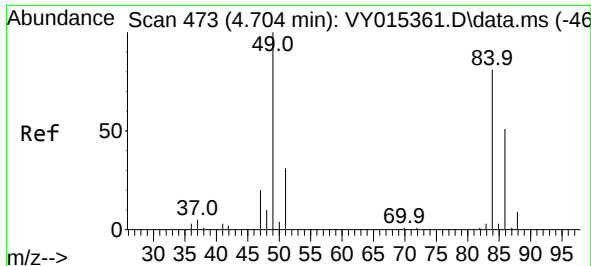
Reviewed By :Mahesh Dadoda 09/15/2023
Supervised By :Semsettin Yesilyurt 09/15/2023



#17
Carbon Disulfide
Concen: 2.898 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

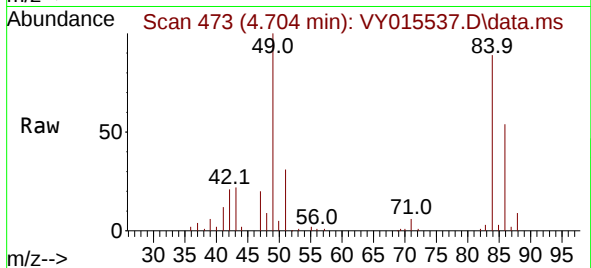
Tgt Ion: 76 Resp: 33813
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.4





#20
Methylene Chloride
Concen: 2.737 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

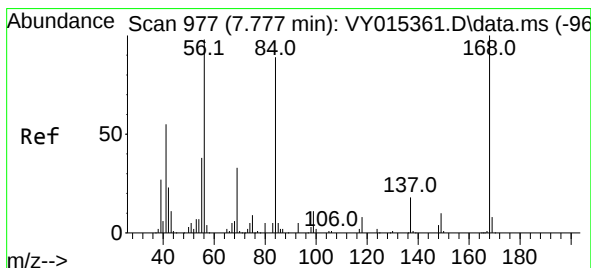
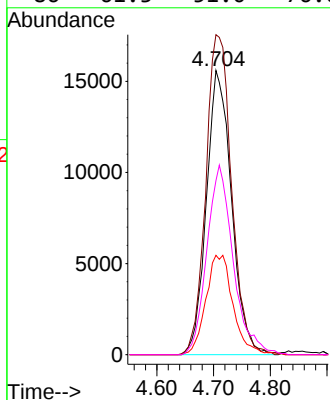
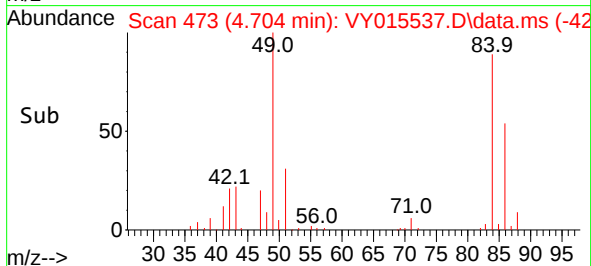
Instrument :
MSVOA_Y
ClientSampleId :
DB-2-(26-28)



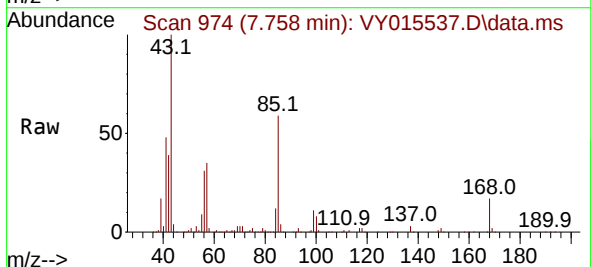
Tgt Ion: 84 Resp: 48099
Ion Ratio Lower Upper
84 100
49 112.6 106.9 160.3
51 35.0 33.2 49.8
86 61.3 51.0 76.6

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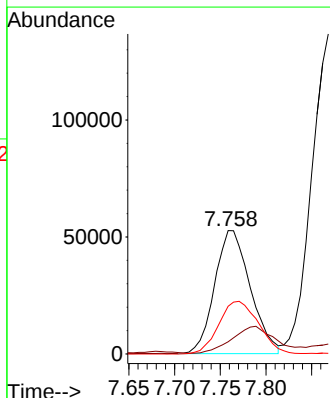
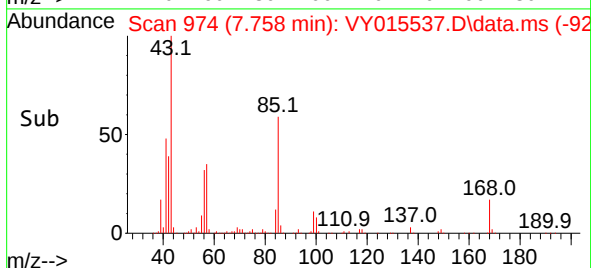
Reviewed By :Mahesh Dadoda 09/15/2023
Supervised By :Semsettin Yesilyurt 09/15/2023

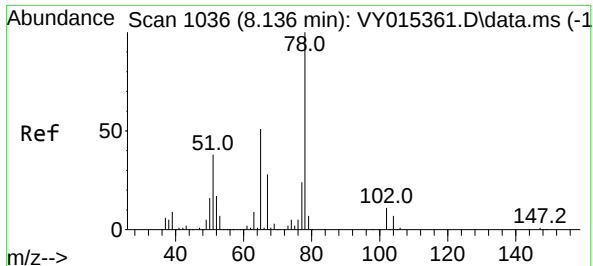


#31
Cyclohexane
Concen: 19.069 ug/l
RT: 7.758 min Scan# 974
Delta R.T. -0.024 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39



Tgt Ion: 56 Resp: 142554
Ion Ratio Lower Upper
56 100
69 8.7 27.8 41.6#
84 38.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.591 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

DB-2-(26-28)

Tgt Ion: 65 Resp: 22974

Ion Ratio Lower Upper

65 100

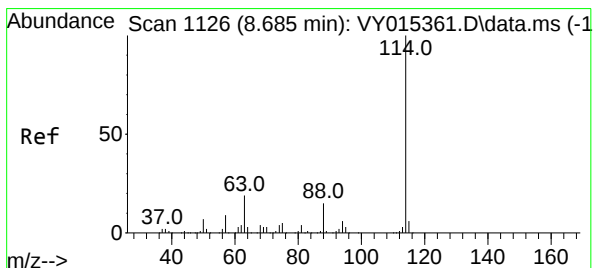
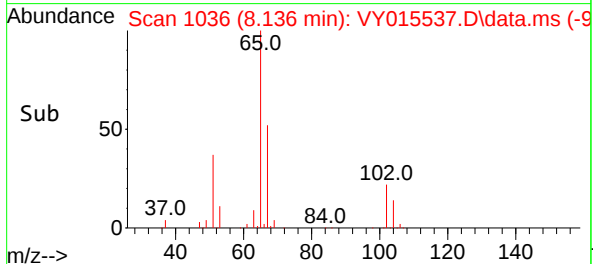
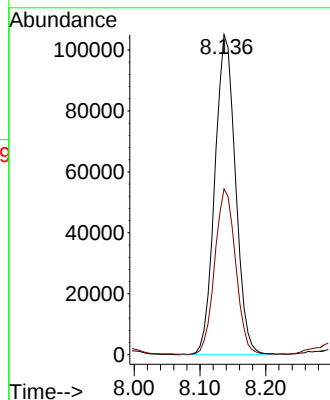
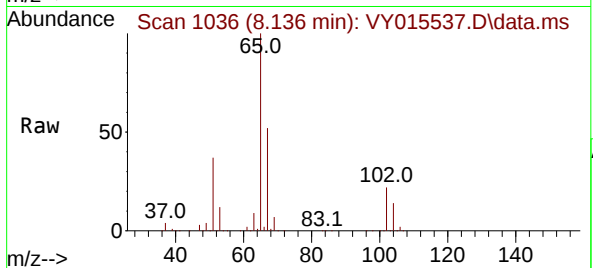
67 52.1 0.0 101.8

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Supervised By :Semsettin Yesilyurt 09/15/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

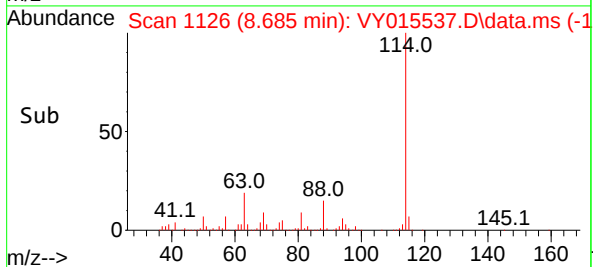
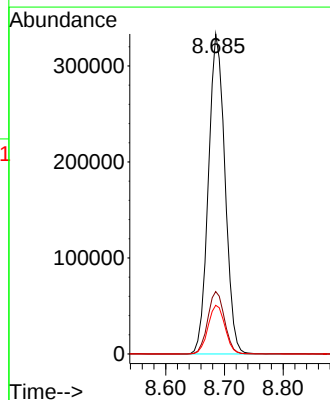
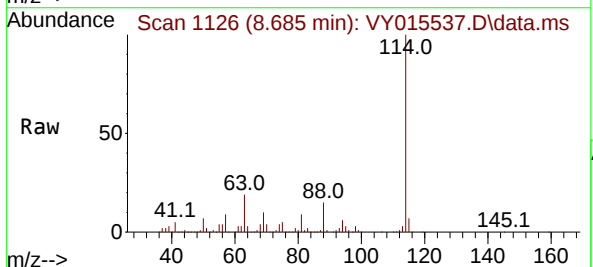
Tgt Ion:114 Resp: 652240

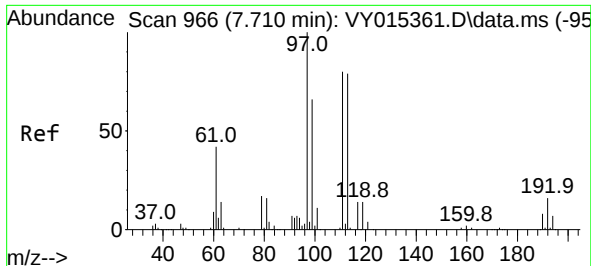
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

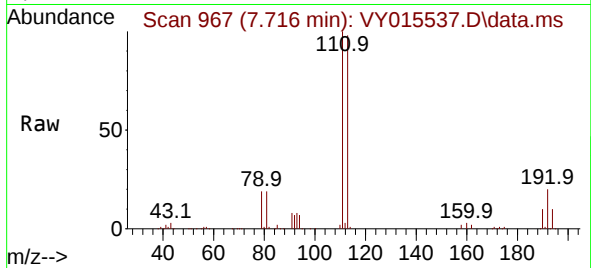
88 15.2 0.0 30.6





#35
Dibromofluoromethane
Concen: 55.193 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

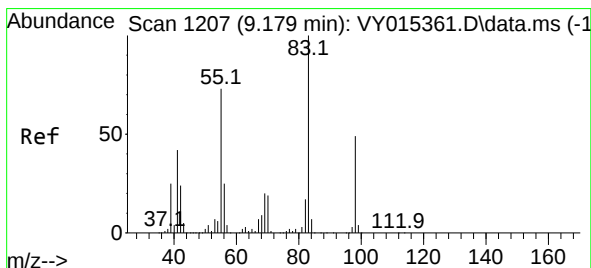
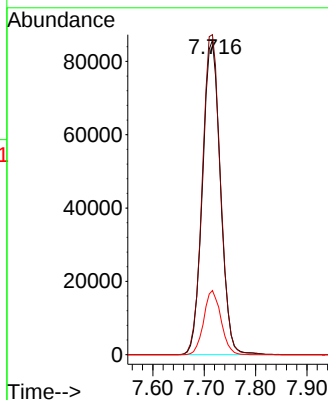
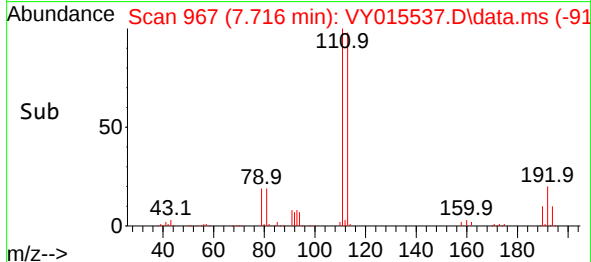
Instrument :
MSVOA_Y
ClientSampleId :
DB-2-(26-28)



Tgt Ion: 113 Resp: 207349
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.6 16.9 25.3

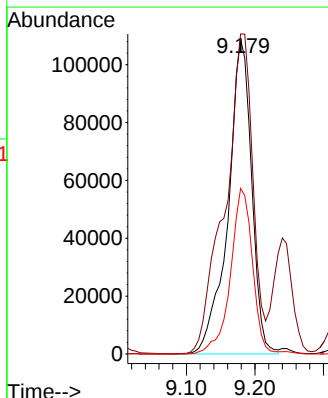
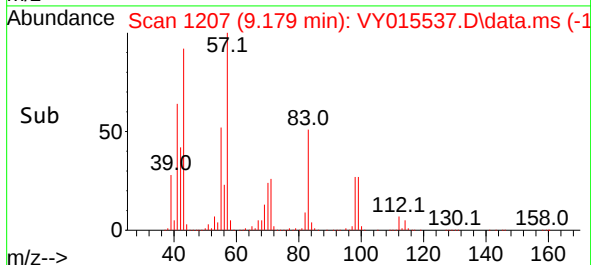
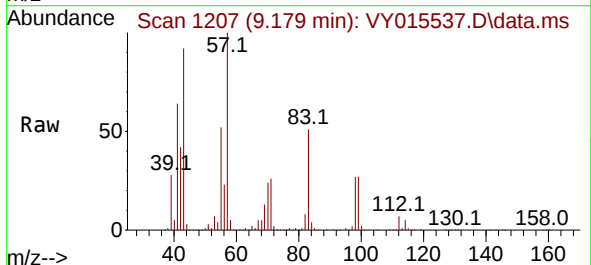
Manual Integrations
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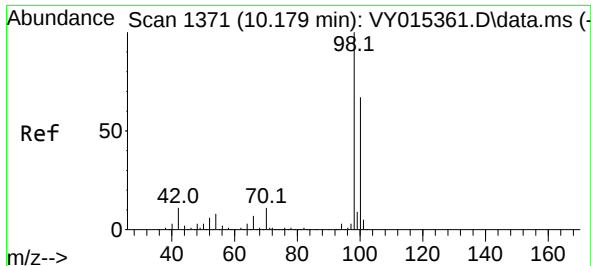
Reviewed By :Mahesh Dadoda 09/15/2023
Supervised By :Semsettin Yesilyurt 09/15/2023



#39
Methylcyclohexane
Concen: 31.316 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

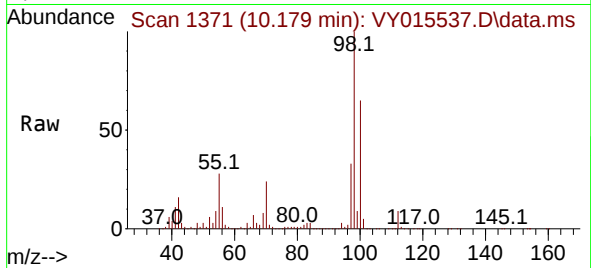
Tgt Ion: 83 Resp: 260063
Ion Ratio Lower Upper
83 100
55 101.6 63.0 94.4#
98 52.6 37.4 56.2





#50
Toluene-d8
Concen: 57.907 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

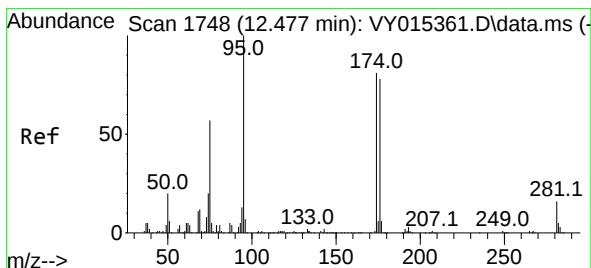
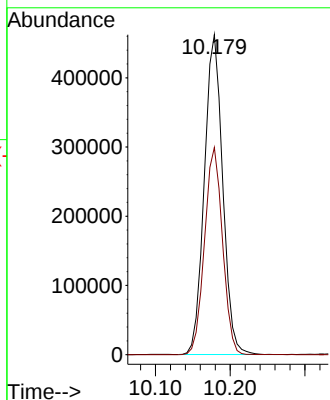
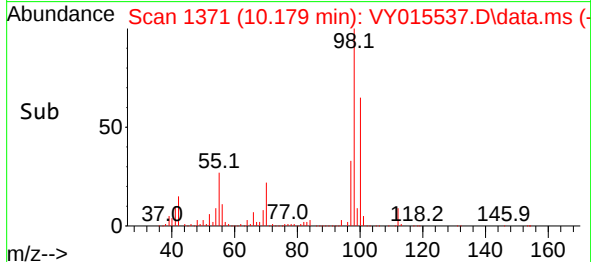
Instrument :
MSVOA_Y
ClientSampleId :
DB-2-(26-28)



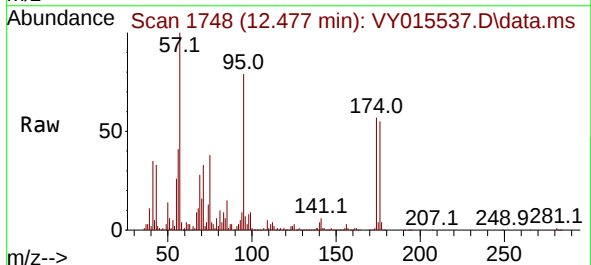
Tgt Ion: 98 Resp: 787800
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

Manual Integrations
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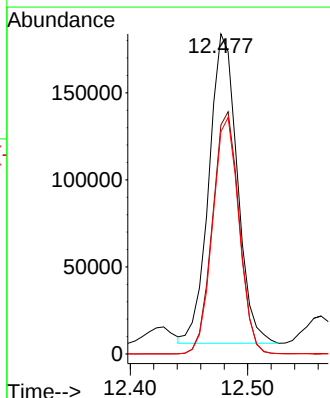
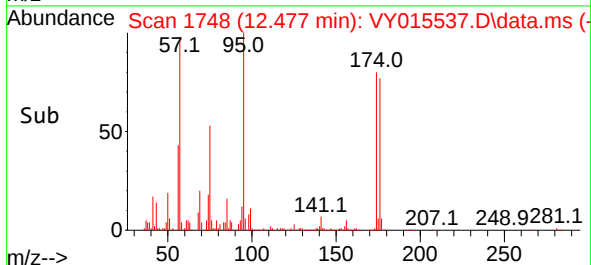
Reviewed By :Mahesh Dadoda 09/15/2023
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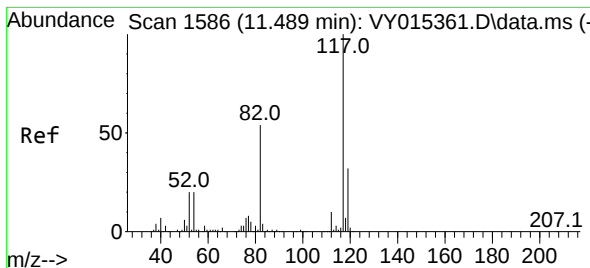


#62
4-Bromofluorobenzene
Concen: 58.908 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39



Tgt Ion: 95 Resp: 297515
Ion Ratio Lower Upper
95 100
174 73.7 0.0 178.2
176 71.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

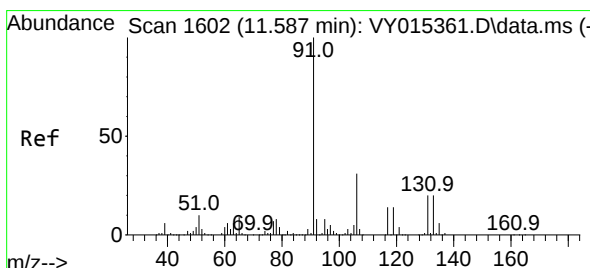
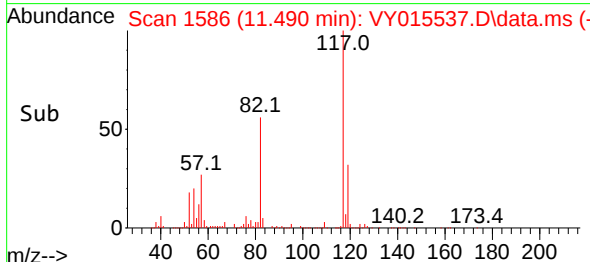
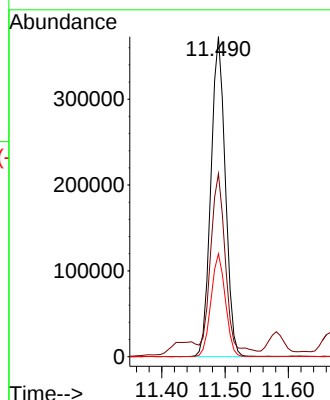
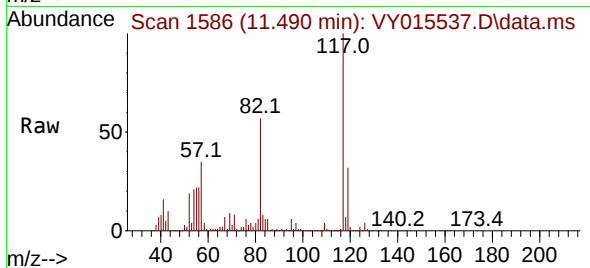
DB-2-(26-28)

Tgt Ion:	117	Resp:	59224
Ion Ratio	Lower	Upper	
117	100		
82	52.8	43.4	65.0
119	32.1	26.3	39.5

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/15/2023



#67

Ethyl Benzene

Concen: 3.233 ug/l

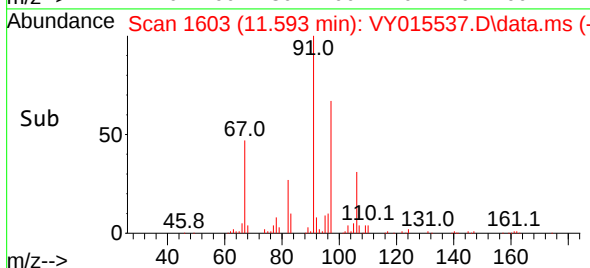
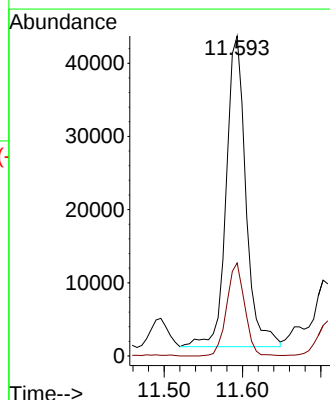
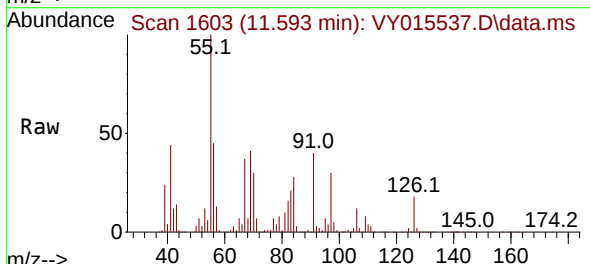
RT: 11.593 min Scan# 1603

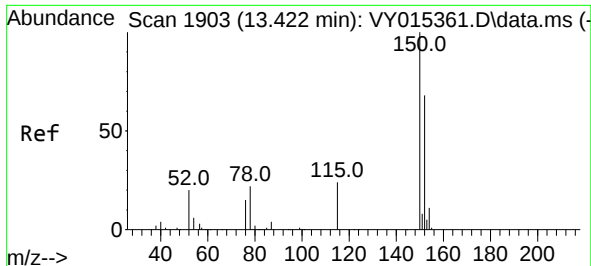
Delta R.T. 0.006 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

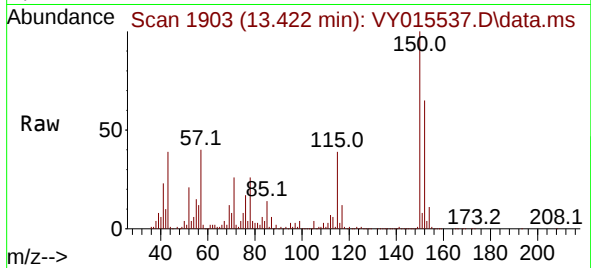
Tgt Ion:	91	Resp:	74077
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.6	36.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39

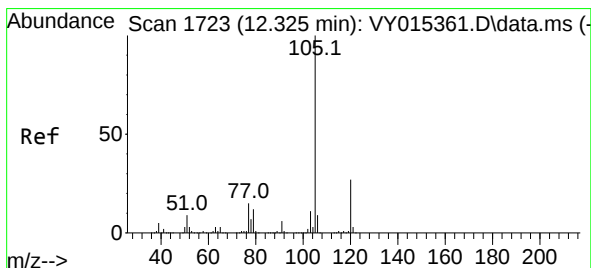
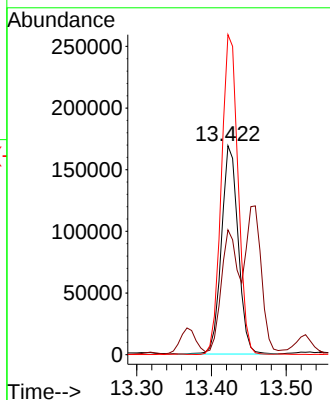
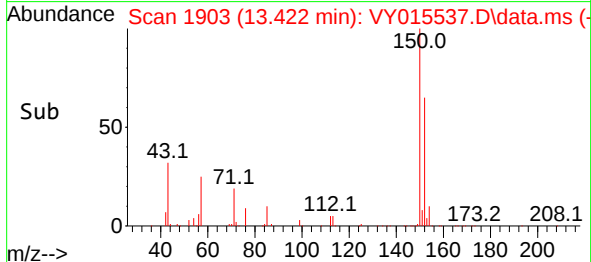
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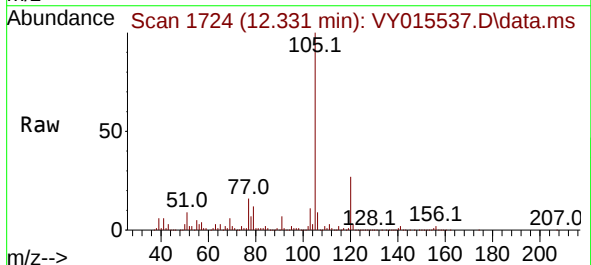
Tgt Ion:152 Resp: 263410
Ion Ratio Lower Upper
152 100
115 60.3 28.8 86.5
150 153.2 0.0 348.8

Manual Integrations
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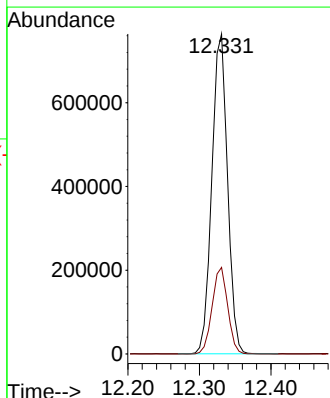
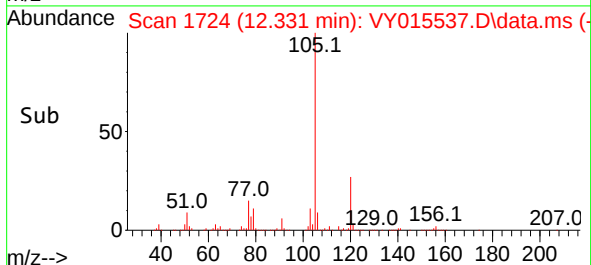
Reviewed By :Mahesh Dadoda 09/15/2023
Supervised By :Semsettin Yesilyurt 09/15/2023

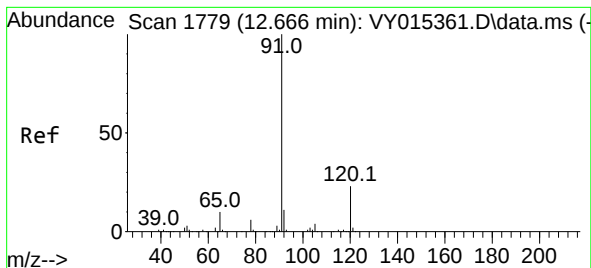


#73
Isopropylbenzene
Concen: 58.648 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015537.D
Acq: 14 Sep 2023 16:39



Tgt Ion:105 Resp: 1160379
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9





#78

n-propylbenzene

Concen: 263.234 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

DB-2-(26-28)

Tgt Ion: 91 Resp: 630211

Ion Ratio Lower Upper

91 100

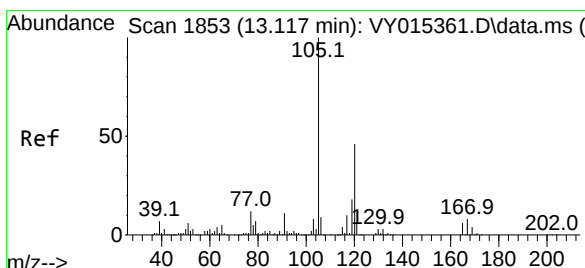
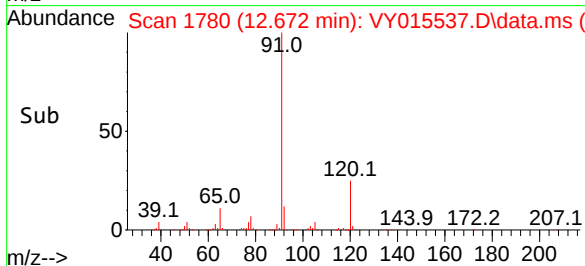
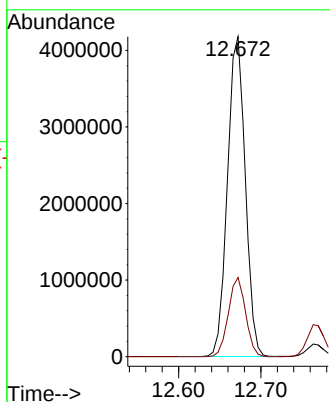
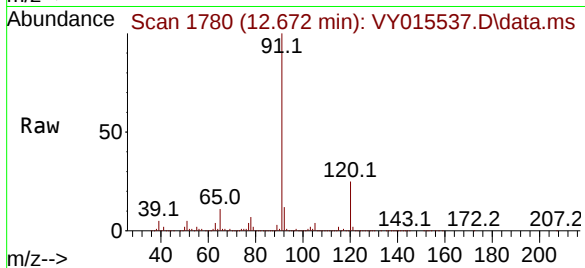
120 24.0 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/15/2023

Supervised By :Semsettin Yesilyurt 09/15/2023



#84

1,2,4-Trimethylbenzene

Concen: 236.328 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015537.D

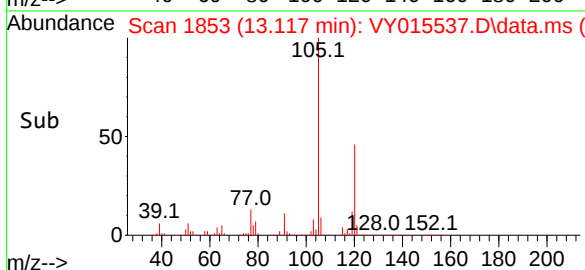
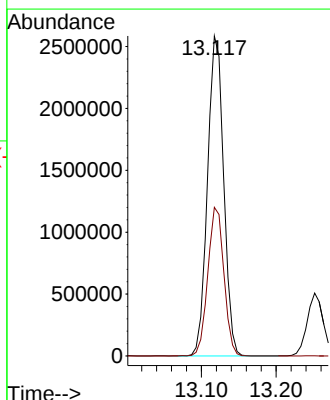
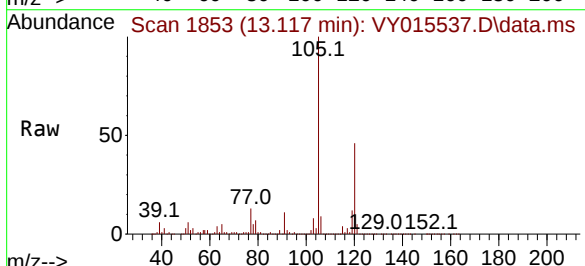
Acq: 14 Sep 2023 16:39

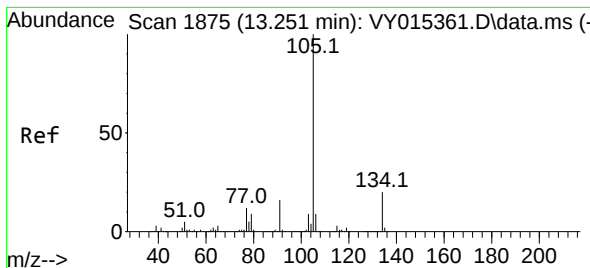
Tgt Ion:105 Resp: 3883258

Ion Ratio Lower Upper

105 100

120 46.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 34.719 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

DB-2-(26-28)

Tgt Ion:105 Resp: 75063

Ion Ratio Lower Upper

105 100

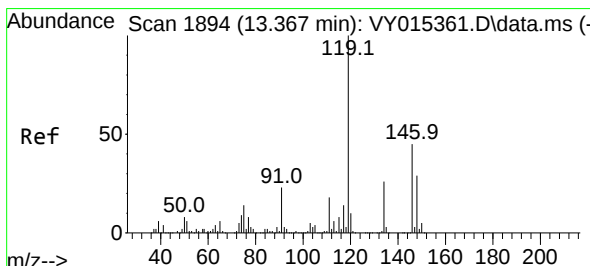
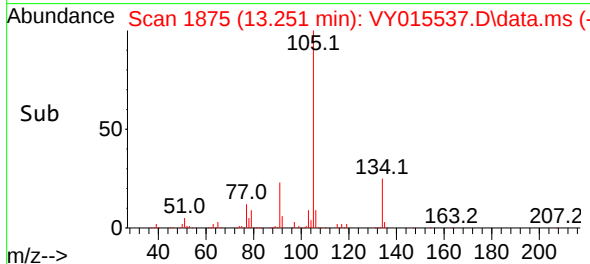
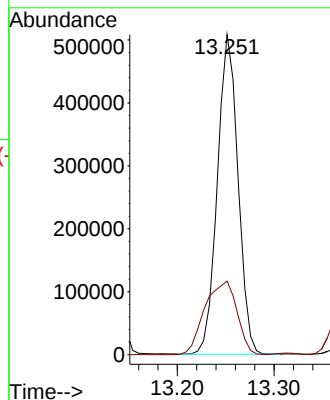
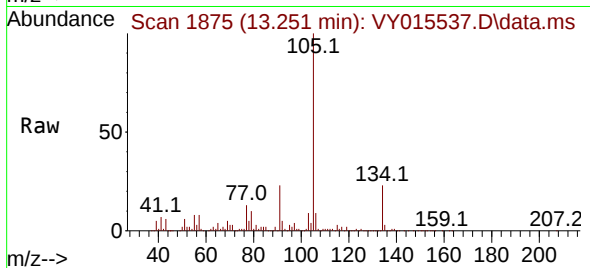
134 35.9 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/15/2023

Supervised By :Semsettin Yesilyurt 09/15/2023



#86

p-Isopropyltoluene

Concen: 21.754 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

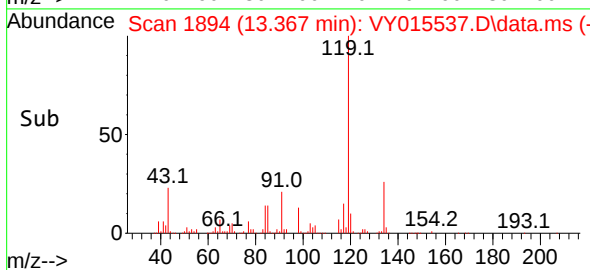
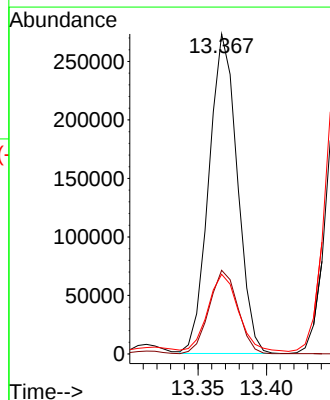
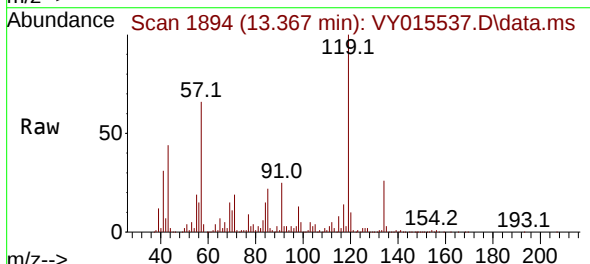
Tgt Ion:119 Resp: 394191

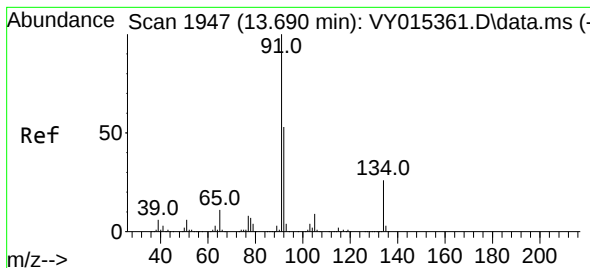
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 25.6 12.4 37.4





#89

n-Butylbenzene

Concen: 41.332 ug/l m

RT: 13.696 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

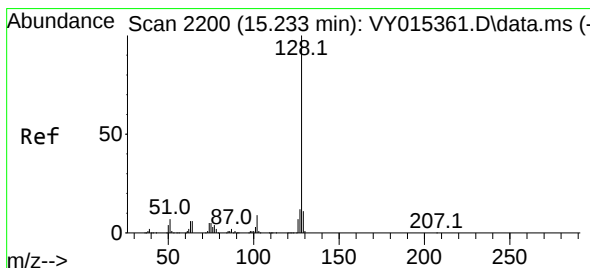
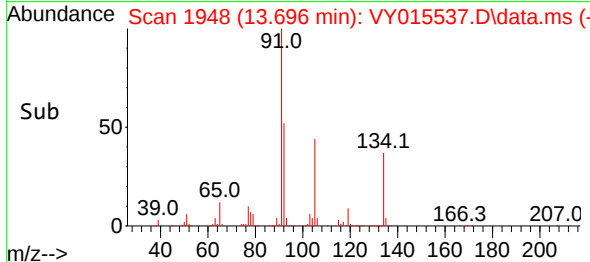
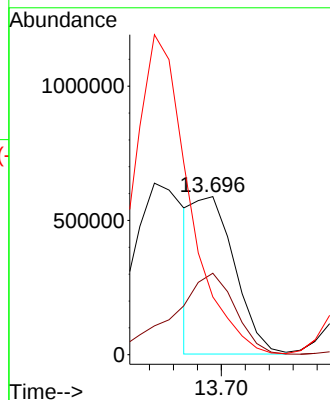
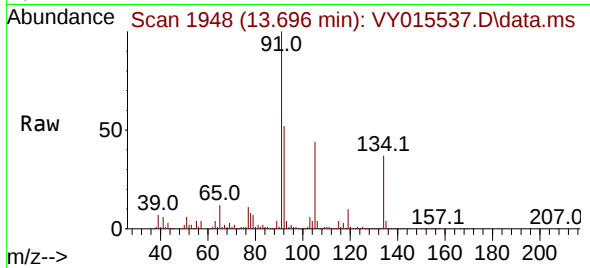
DB-2-(26-28)

Tgt Ion: 91	Resp: 704914
Ion Ratio	Lower Upper
91 100	
92 0.0	25.4 76.0
134 270.2	12.6 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/15/2023
Supervised By :Semsettin Yesilyurt 09/15/2023



#95

Naphthalene

Concen: 105.639 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY015537.D

Acq: 14 Sep 2023 16:39

Tgt Ion:128	Resp: 1387453
Ion Ratio	Lower Upper
128 100	
127 15.6	10.8 16.2
129 12.5	8.6 13.0

