

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
 Data File : VY020740.D
 Acq On : 27 Dec 2024 15:34
 Operator : SY/MD
 Sample : P5386-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-24-00398

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
 Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 03:03:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	101100	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.615	114	160627	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	141075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	48689	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	50167	60.581	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.160%			
35) Dibromofluoromethane	7.640	113	50221	56.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.520%			
50) Toluene-d8	10.109	98	189077	53.611	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.220%			
62) 4-Bromofluorobenzene	12.407	95	57765	49.128	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.260%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	7700	139.708	ug/l #	81
16) Acetone	3.872	43	1148376	10931.434	ug/l	98
18) Methyl Acetate	4.397	43	1348	4.741	ug/l #	75
25) 2-Butanone	6.902	43	12806	90.241	ug/l	91
29) Tetrahydrofuran	7.286	42	1839	21.112	ug/l #	40
37) Ethyl Acetate	6.981	43	7888	20.482	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	3940	9.972	ug/l	96
52) Toluene	10.170	92	1304510	561.930	ug/l	99
59) 2-Hexanone	10.761	43	2462	9.438	ug/l	91
67) Ethyl Benzene	11.523	91	380401	78.791	ug/l	98
68) m/p-Xylenes	11.627	106	984040	534.317	ug/l	99
69) o-Xylene	11.956	106	2051814	1166.078	ug/l	98
73) Isopropylbenzene	12.255	105	717139	212.594	ug/l	100
78) n-propylbenzene	12.596	91	2779115	735.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	2808835	999.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.047	105	11161760	4081.228	ug/l	93
86) p-Isopropyltoluene	13.297	119	1201816	381.241	ug/l	99
89) n-Butylbenzene	13.621	91	79929m	30.374	ug/l	

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

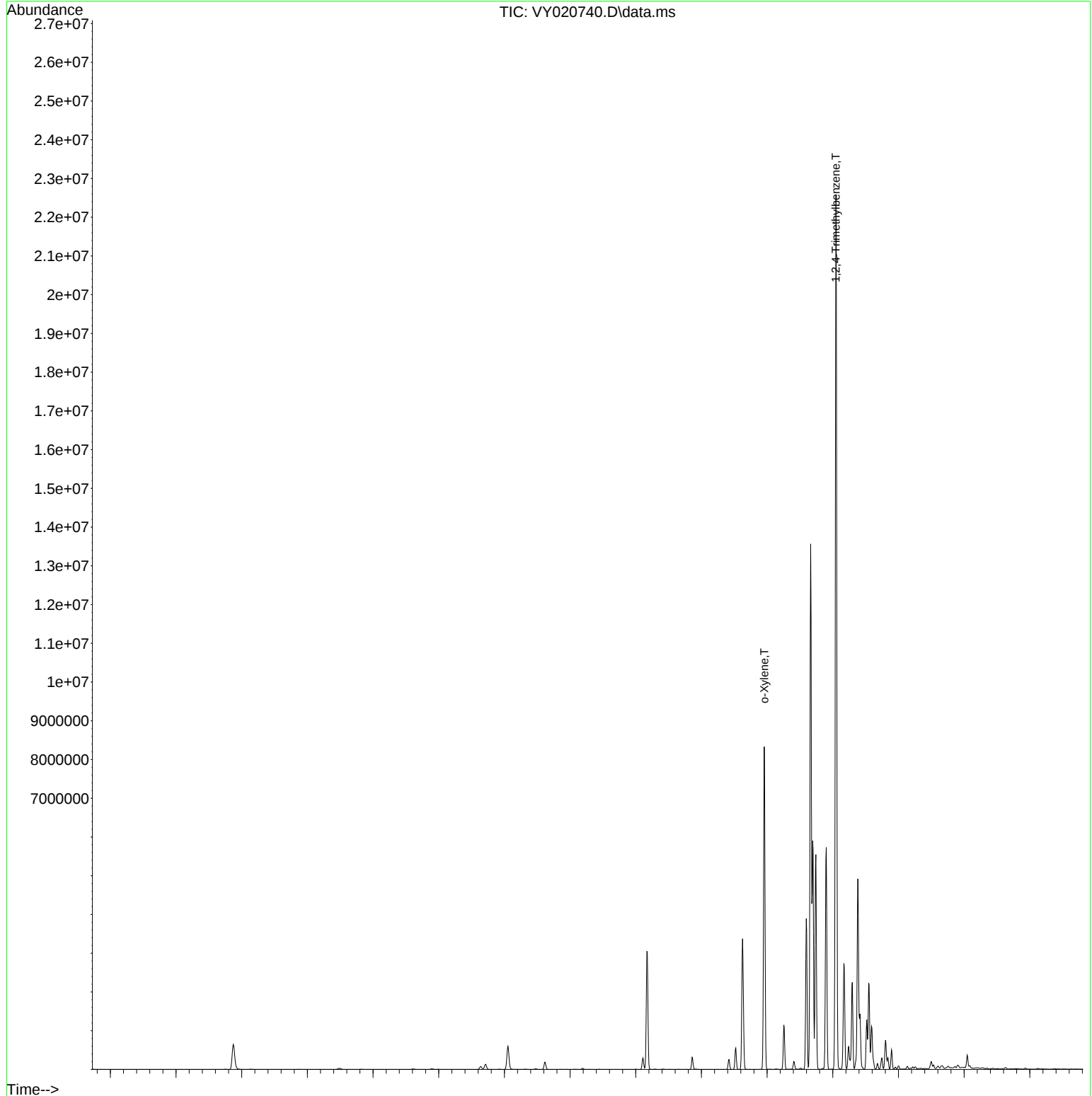
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
Data File : VY020740.D
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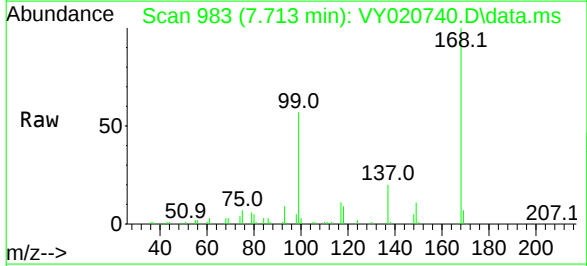
Quant Time: Dec 28 03:03:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

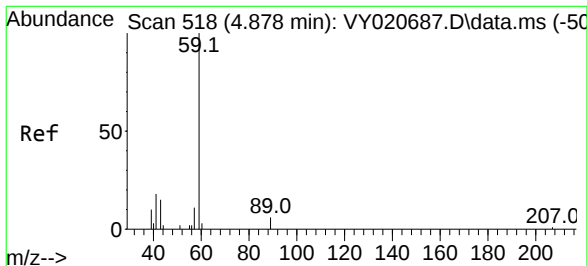
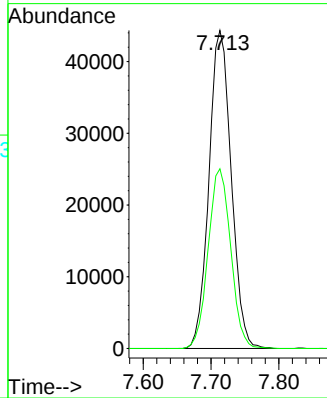
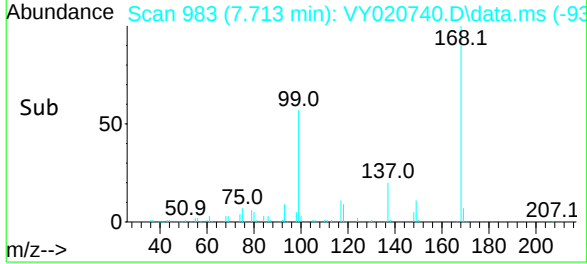
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398



Tgt Ion:168 Resp: 101100
Ion Ratio Lower Upper
168 100
99 56.5 43.8 65.6

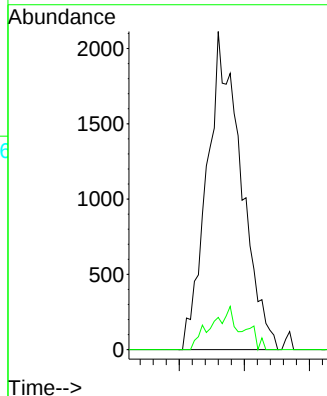
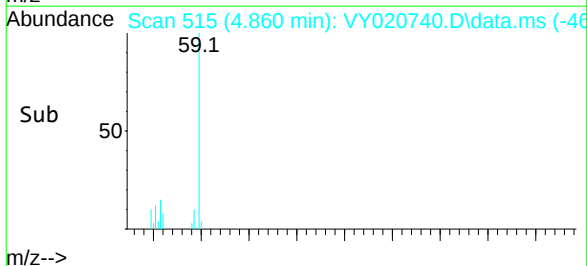
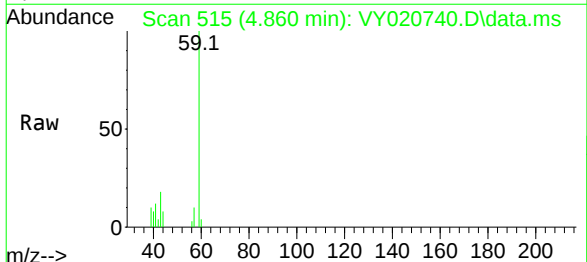
Manual Integrations
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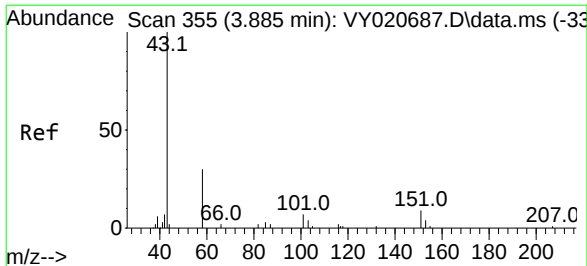
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#11
Tert butyl alcohol
Concen: 139.708 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Tgt Ion: 59 Resp: 7700
Ion Ratio Lower Upper
59 100
57 9.7 2.8 4.2#





#16

Acetone

Concen: 10931.434 ug/l

RT: 3.872 min Scan# 355

Delta R.T. -0.013 min

Lab File: VY020740.D

Acq: 27 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00398

Tgt Ion: 43 Resp: 1148376

Ion Ratio Lower Upper

43 100

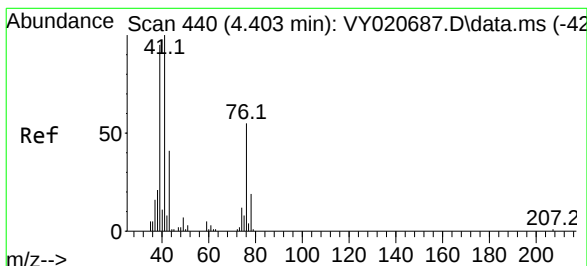
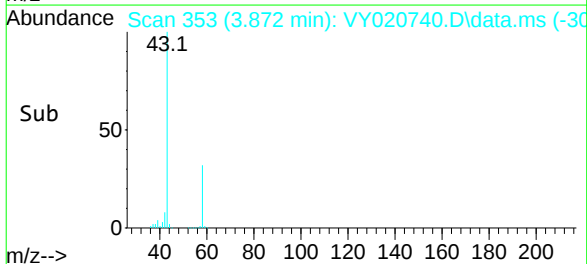
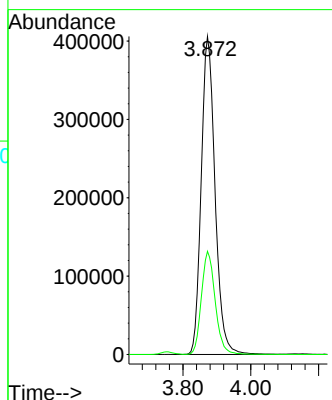
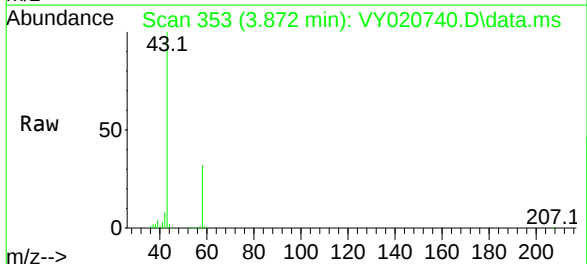
58 32.4 25.0 37.6

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#18

Methyl Acetate

Concen: 4.741 ug/l

RT: 4.397 min Scan# 439

Delta R.T. -0.006 min

Lab File: VY020740.D

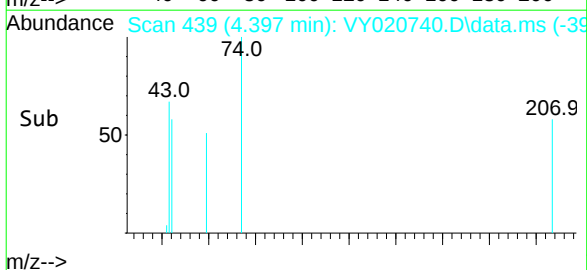
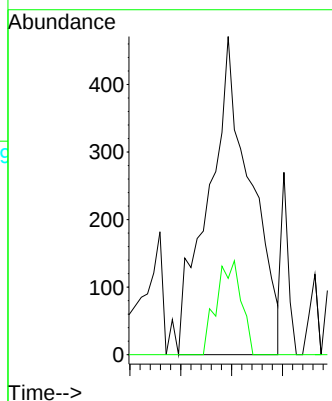
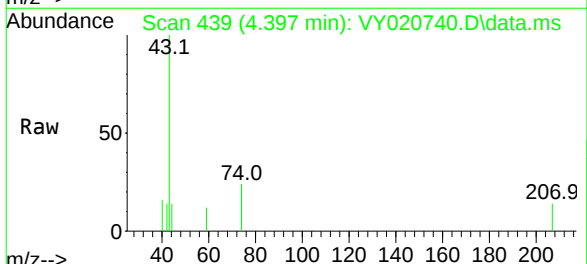
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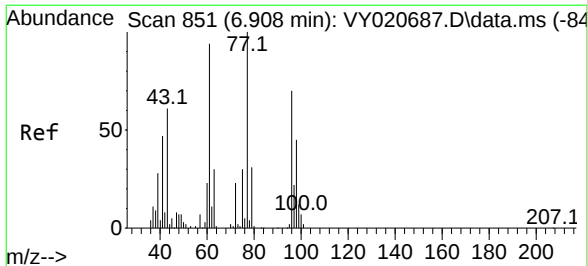
Tgt Ion: 43 Resp: 1348

Ion Ratio Lower Upper

43 100

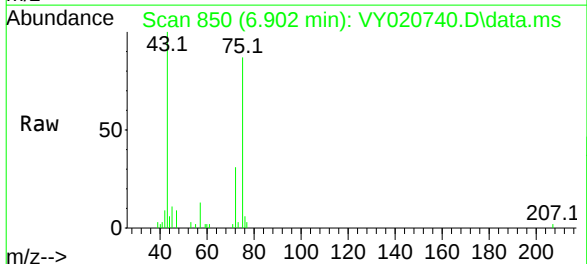
74 17.5 25.3 37.9#





#25
2-Butanone
Concen: 90.241 ug/l
RT: 6.902 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

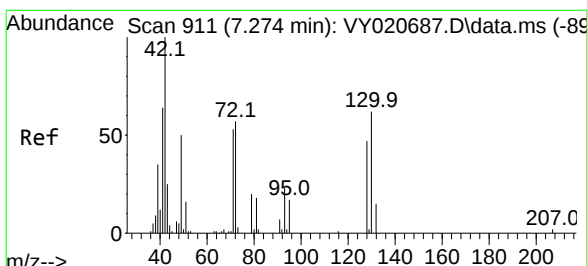
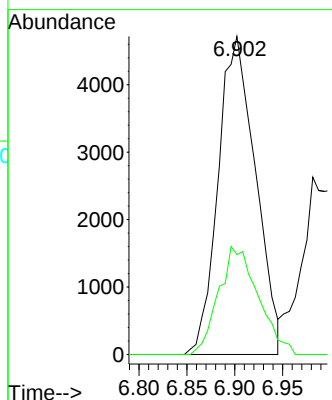
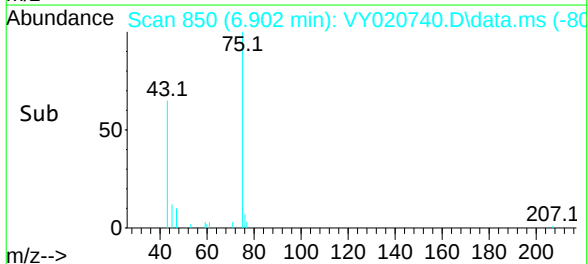
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398



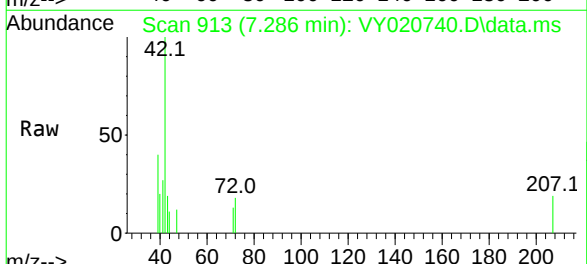
Tgt Ion: 43 Resp: 12806
Ion Ratio Lower Upper
43 100
72 31.4 29.5 44.3

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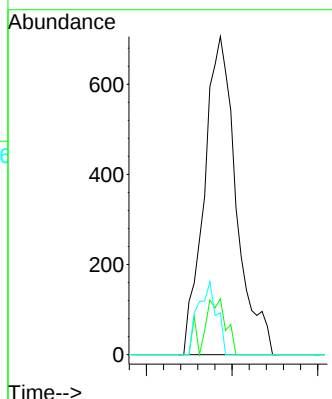
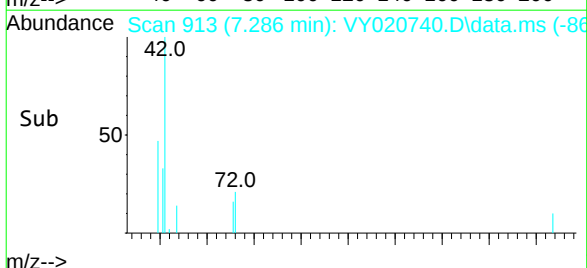
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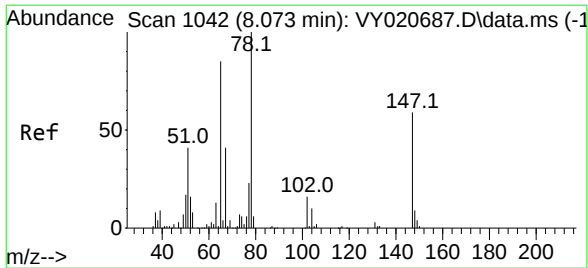


#29
Tetrahydrofuran
Concen: 21.112 ug/l
RT: 7.286 min Scan# 913
Delta R.T. 0.012 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34



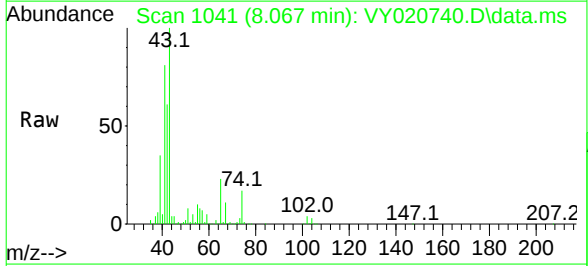
Tgt Ion: 42 Resp: 1839
Ion Ratio Lower Upper
42 100
72 12.1 47.4 71.0#
71 13.4 42.8 64.2#





#33
1,2-Dichloroethane-d4
Concen: 60.581 ug/l
RT: 8.067 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

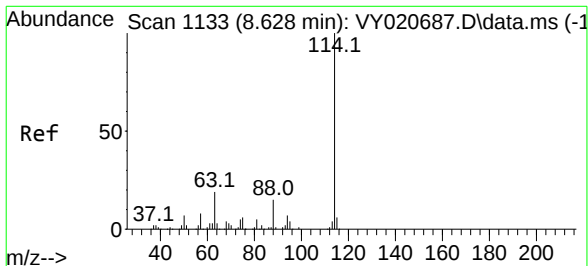
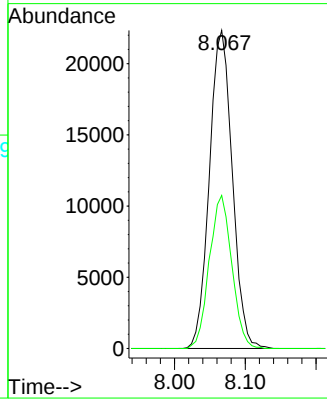
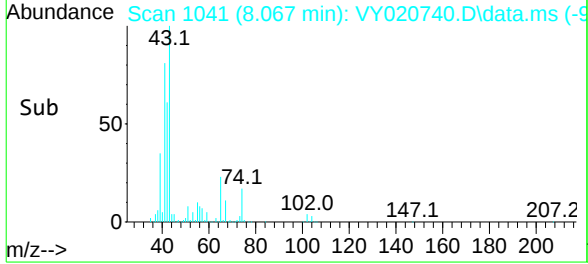
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398



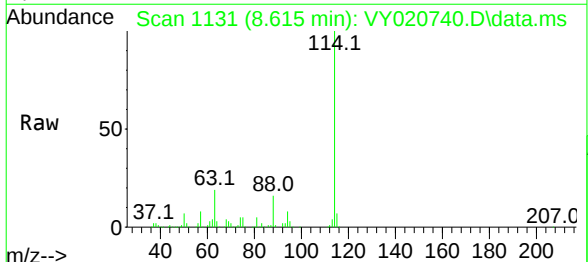
Tgt Ion: 65 Resp: 50167
Ion Ratio Lower Upper
65 100
67 47.2 0.0 98.0

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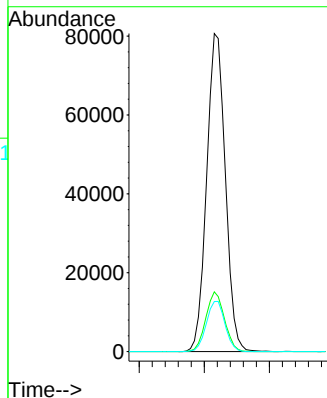
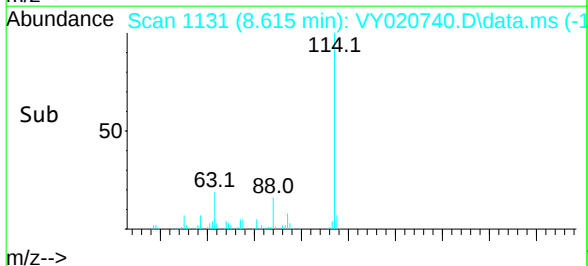
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

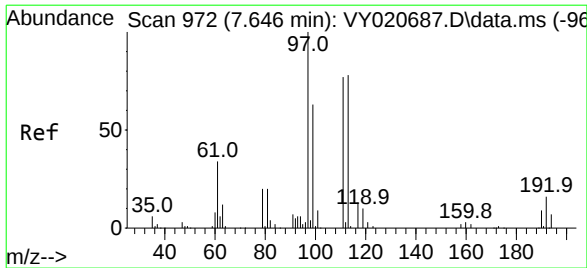


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.013 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34



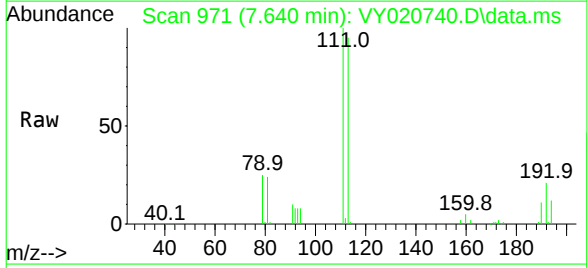
Tgt Ion:114 Resp: 160627
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 15.7 0.0 30.4





#35
Dibromofluoromethane
Concen: 56.763 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

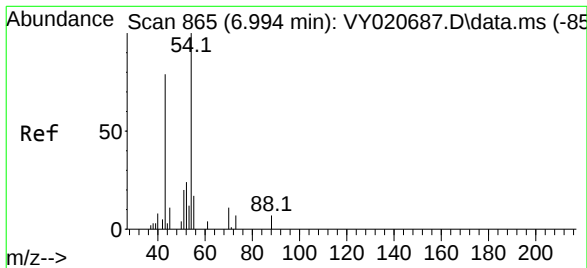
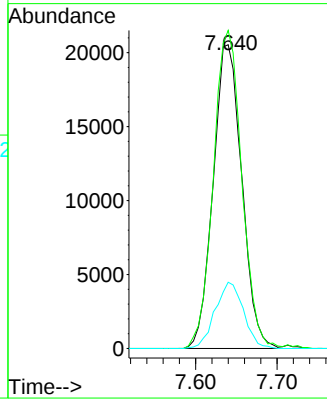
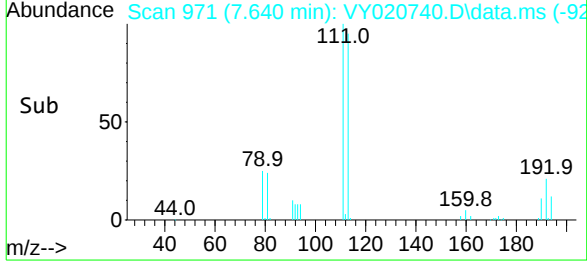
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398



Tgt Ion: 113 Resp: 50221
Ion Ratio Lower Upper
113 100
111 103.9 79.8 119.8
192 21.6 17.0 25.6

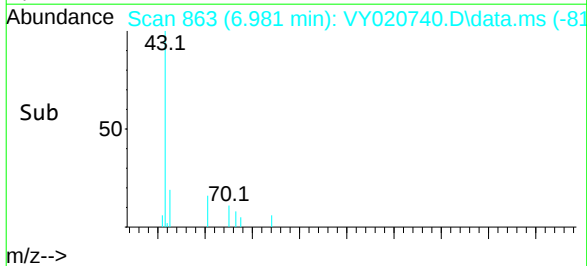
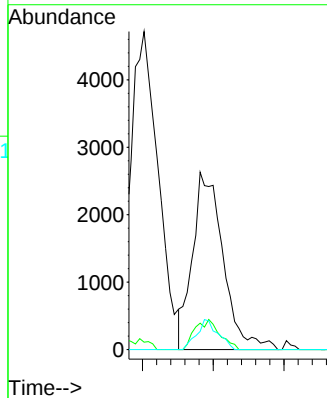
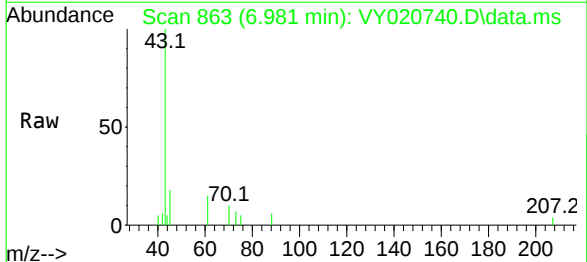
Manual Integrations
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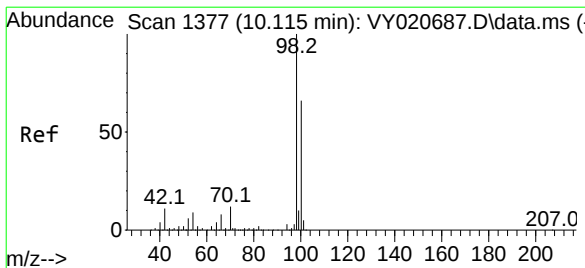
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#37
Ethyl Acetate
Concen: 20.482 ug/l
RT: 6.981 min Scan# 863
Delta R.T. -0.013 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Tgt Ion: 43 Resp: 7888
Ion Ratio Lower Upper
43 100
61 13.8 11.7 17.5
70 11.6 11.0 16.4





#50

Toluene-d8

Concen: 53.611 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020740.D

Acq: 27 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00398

Tgt Ion: 98 Resp: 189077

Ion Ratio Lower Upper

98 100

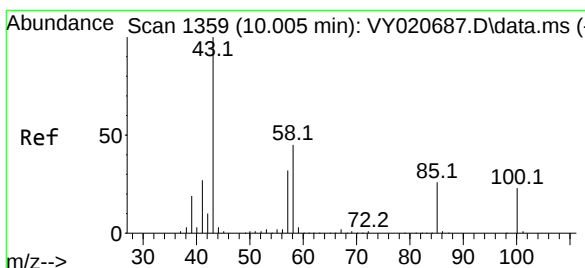
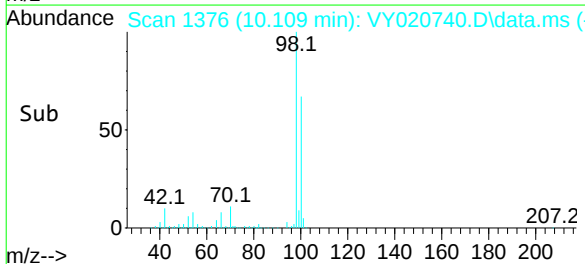
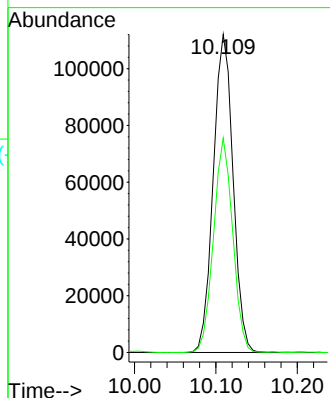
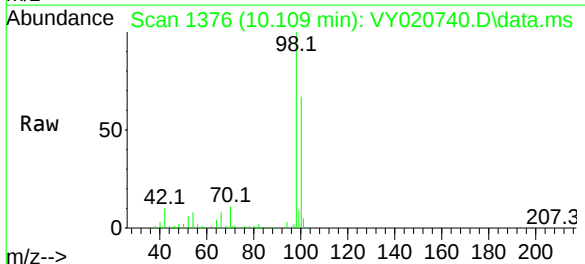
100 65.4 52.2 78.4

Manual Integrations

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Supervised By :Mahesh Dadoda 12/30/2024



#51

4-Methyl-2-Pentanone

Concen: 9.972 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020740.D

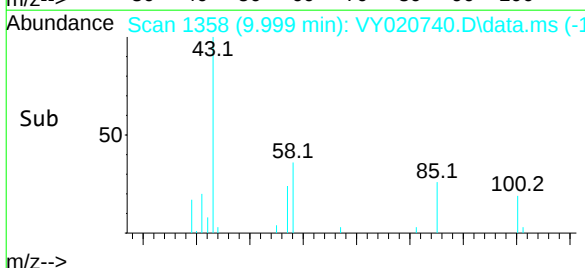
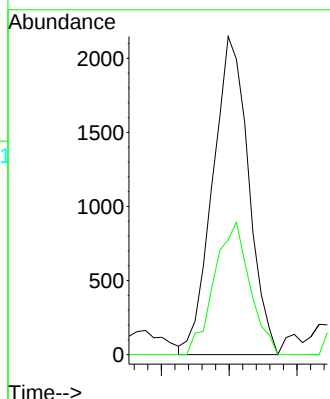
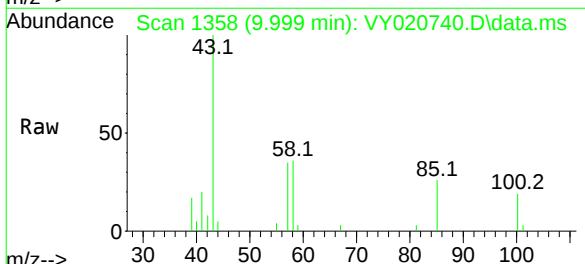
Acq: 27 Dec 2024 15:34

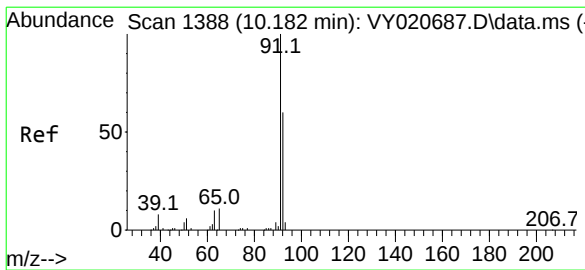
Tgt Ion: 43 Resp: 3940

Ion Ratio Lower Upper

43 100

58 41.3 35.1 52.7





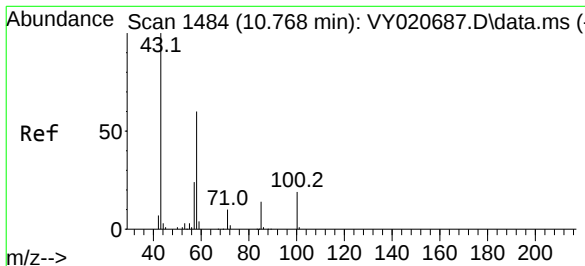
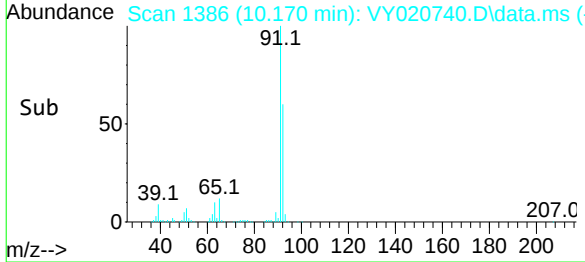
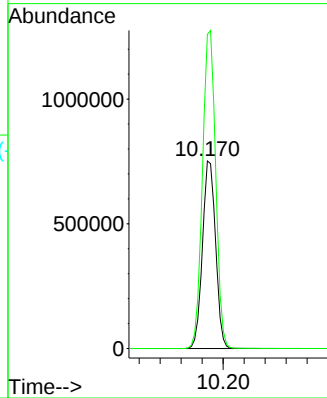
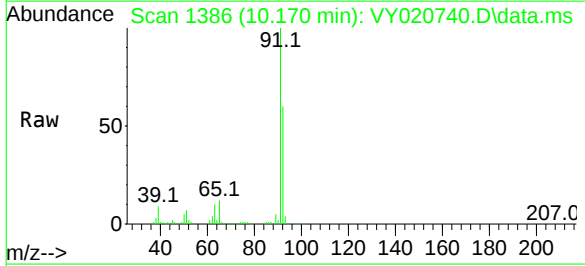
#52
Toluene
Concen: 561.930 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.012 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Instrument : MSVOA_Y
ClientSampleId : MOO-24-00398

Tgt Ion: 92 Resp: 1304510
Ion Ratio Lower Upper
92 100
91 170.6 137.7 206.5

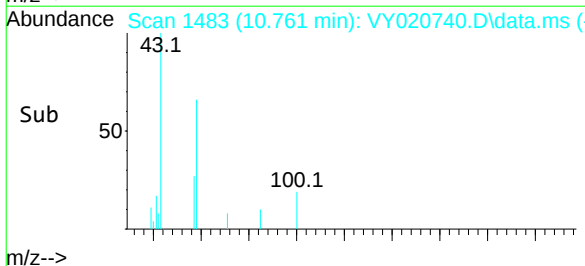
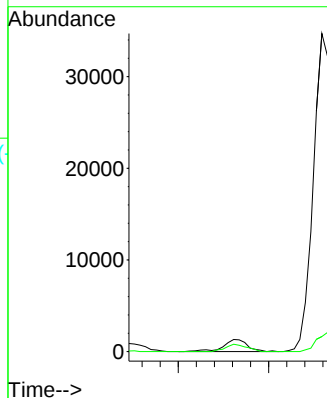
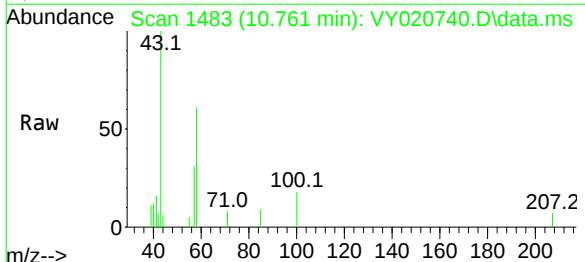
Manual Integrations
APPROVED

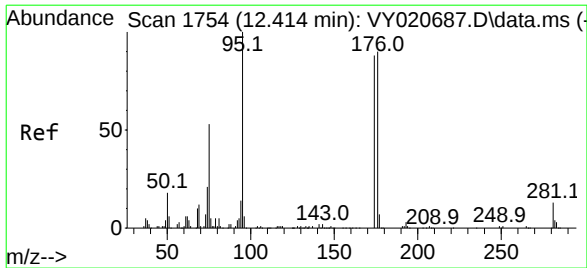
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#59
2-Hexanone
Concen: 9.438 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.007 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Tgt Ion: 43 Resp: 2462
Ion Ratio Lower Upper
43 100
58 53.6 30.1 90.5





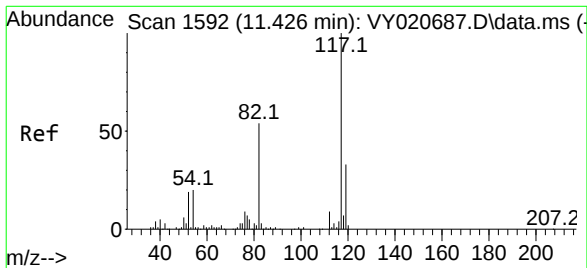
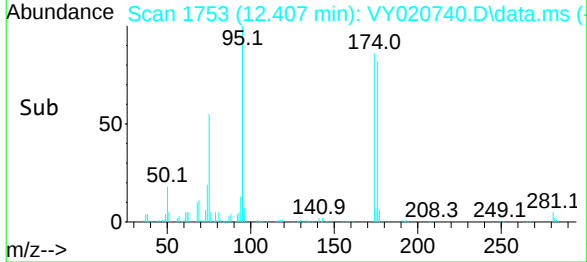
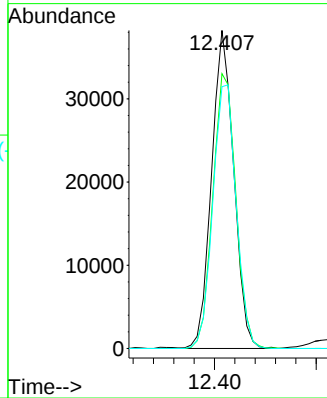
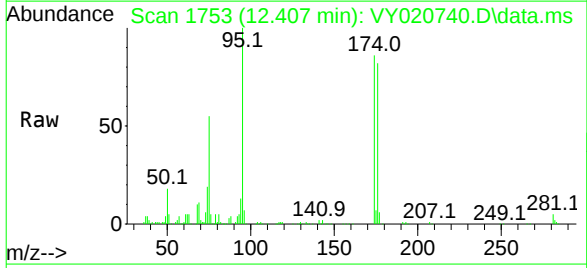
#62
4-Bromofluorobenzene
Concen: 49.128 ug/l
RT: 12.407 min Scan# 1754
Delta R.T. -0.007 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	179.2
176	87.6	0.0	179.8

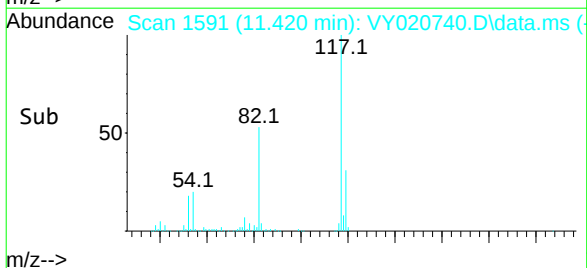
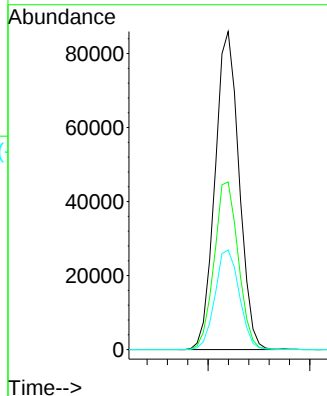
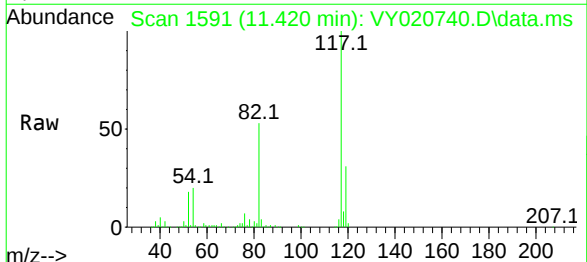
Manual Integrations
APPROVED

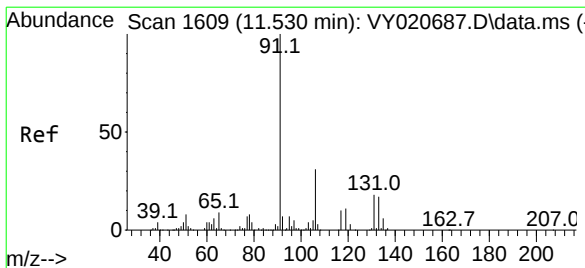
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.2
119	31.3	26.6	39.8





#67

Ethyl Benzene

Concen: 78.791 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. -0.007 min

Lab File: VY020740.D

Acq: 27 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00398

Tgt Ion: 91 Resp: 380401

Ion Ratio Lower Upper

91 100

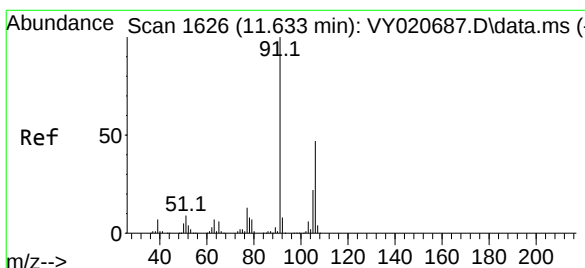
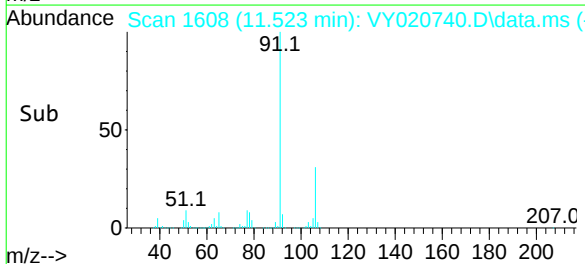
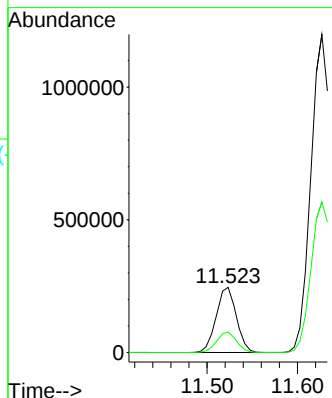
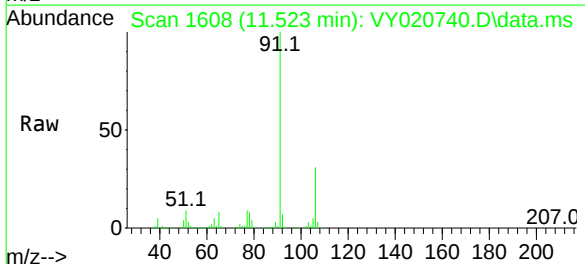
106 31.5 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024

Supervised By :Mahesh Dadoda 12/30/2024



#68

m/p-Xylenes

Concen: 534.317 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020740.D

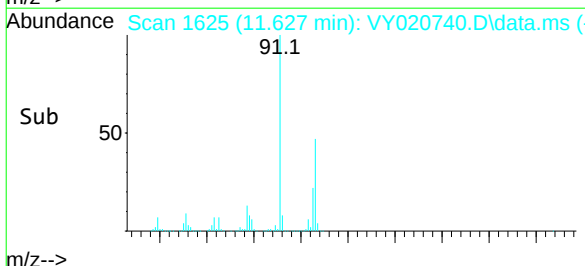
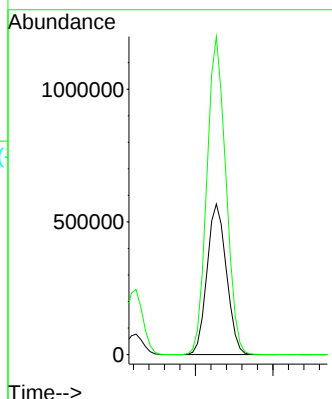
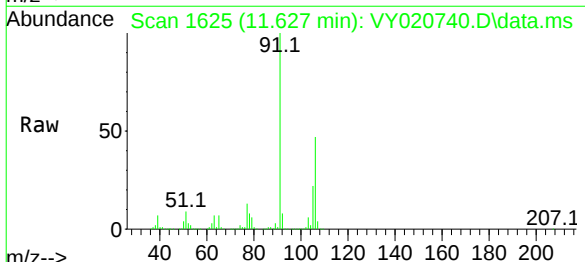
Acq: 27 Dec 2024 15:34

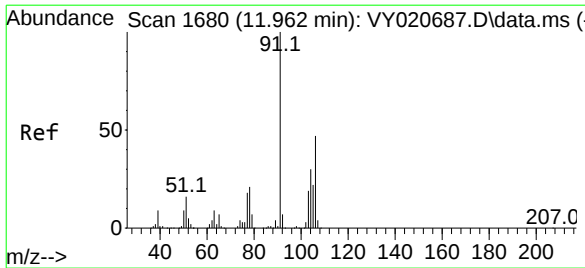
Tgt Ion:106 Resp: 984040

Ion Ratio Lower Upper

106 100

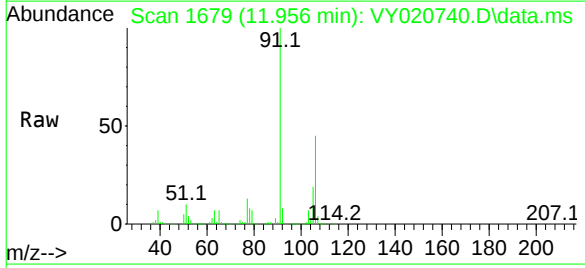
91 207.3 166.6 250.0





#69
o-Xylene
Concen: 1166.078 ug/l
RT: 11.956 min Scan# 1680
Delta R.T. -0.006 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

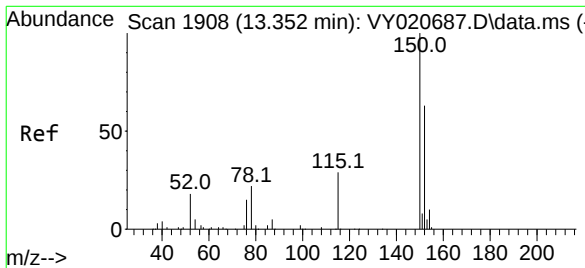
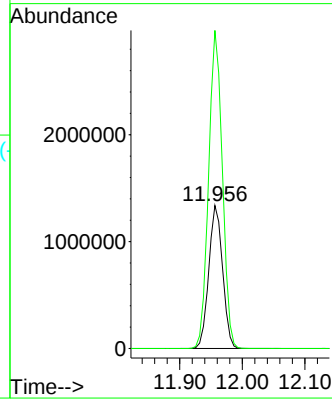
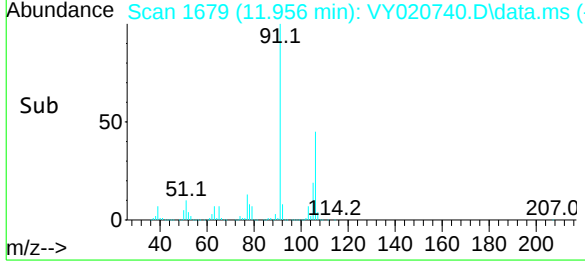
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398



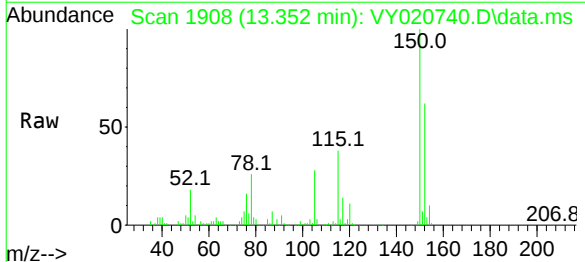
Tgt Ion:106 Resp: 2051814
Ion Ratio Lower Upper
106 100
91 221.1 108.6 325.8

Manual Integrations
APPROVED

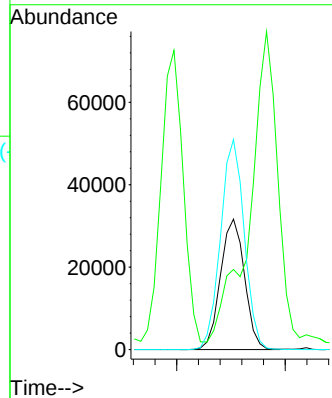
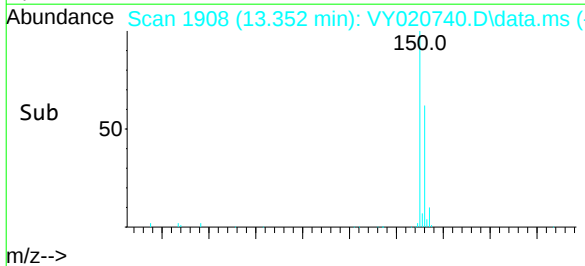
Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

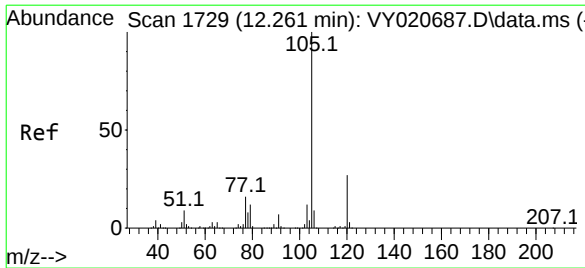


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34



Tgt Ion:152 Resp: 48689
Ion Ratio Lower Upper
152 100
115 0.0 30.3 90.9#
150 158.9 0.0 349.0





#73

Isopropylbenzene

Concen: 212.594 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.006 min

Lab File: VY020740.D

Acq: 27 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00398

Tgt Ion:105 Resp: 717139

Ion Ratio Lower Upper

105 100

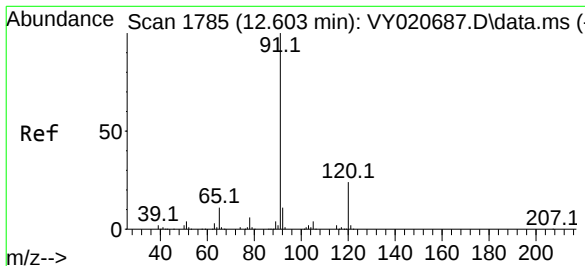
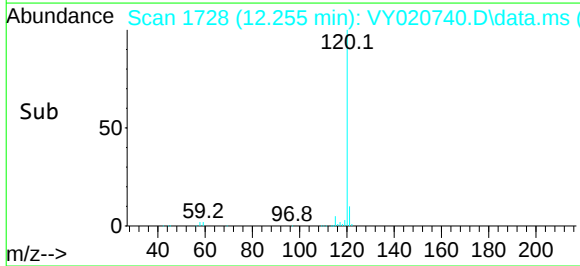
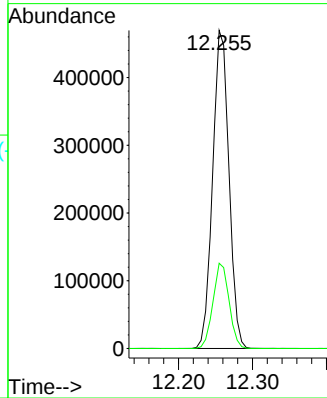
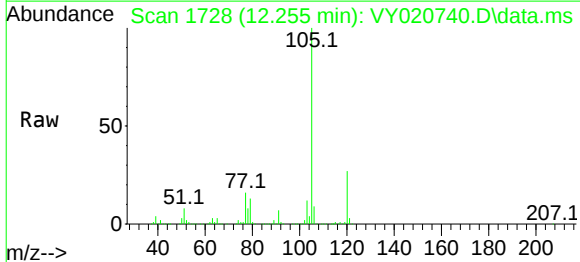
120 26.5 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024

Supervised By :Mahesh Dadoda 12/30/2024



#78

n-propylbenzene

Concen: 735.063 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. -0.007 min

Lab File: VY020740.D

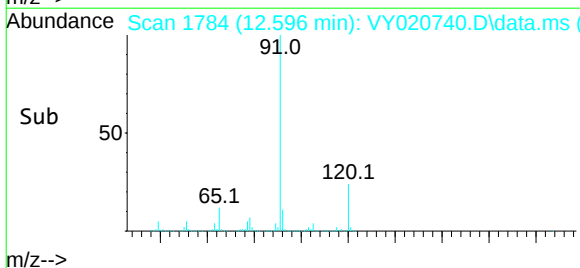
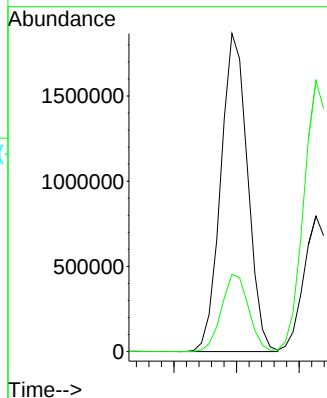
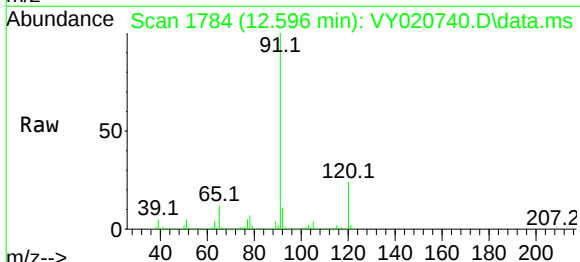
Acq: 27 Dec 2024 15:34

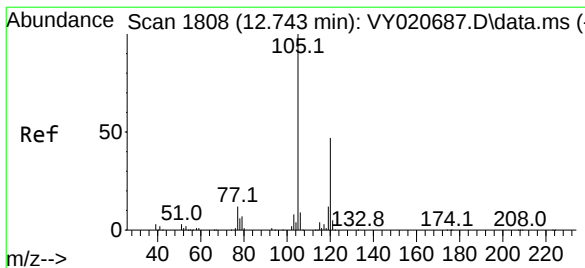
Tgt Ion: 91 Resp: 2779115

Ion Ratio Lower Upper

91 100

120 24.5 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 999.425 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY020740.D

Acq: 27 Dec 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00398

Tgt Ion:105 Resp: 2808835

Ion Ratio Lower Upper

105 100

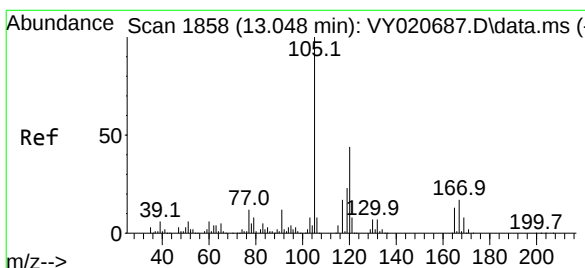
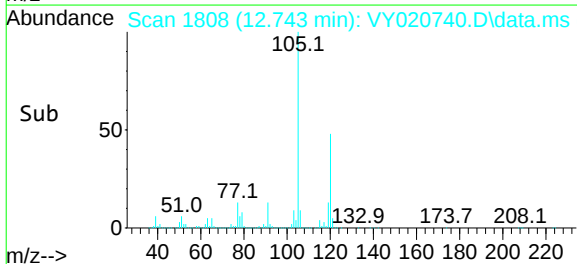
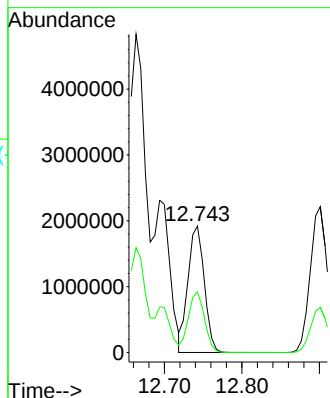
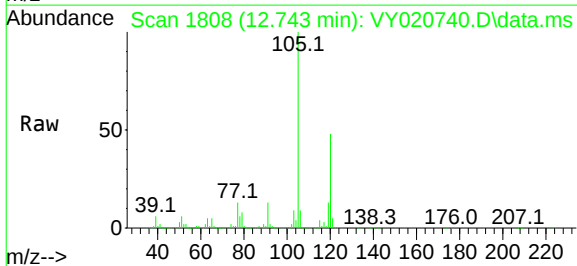
120 47.6 23.9 71.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024

Supervised By :Mahesh Dadoda 12/30/2024



#84

1,2,4-Trimethylbenzene

Concen: 4081.228 ug/l

RT: 13.047 min Scan# 1858

Delta R.T. -0.001 min

Lab File: VY020740.D

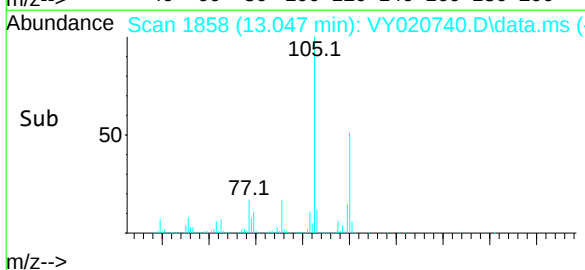
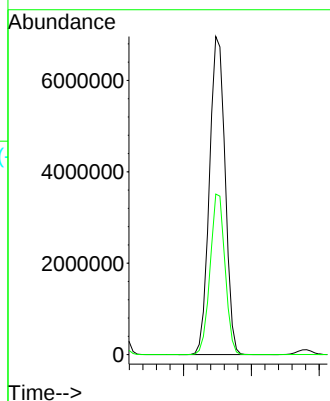
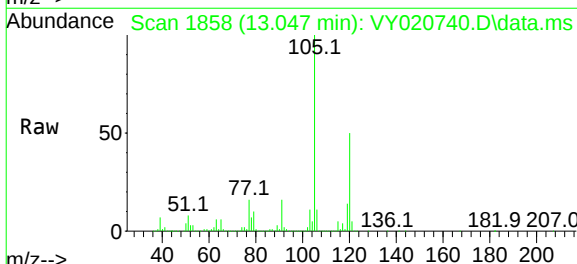
Acq: 27 Dec 2024 15:34

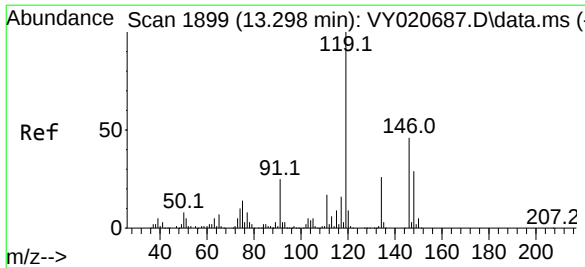
Tgt Ion:105 Resp:11161760

Ion Ratio Lower Upper

105 100

120 48.0 21.8 65.3





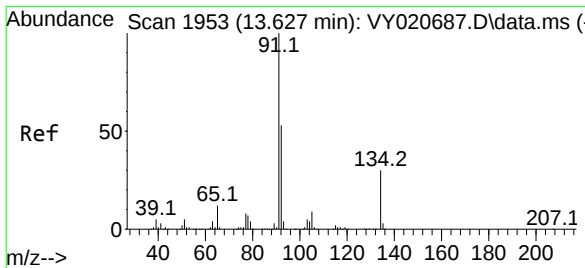
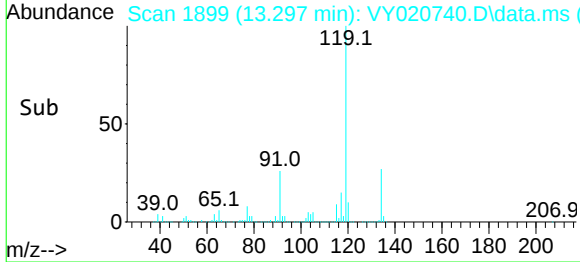
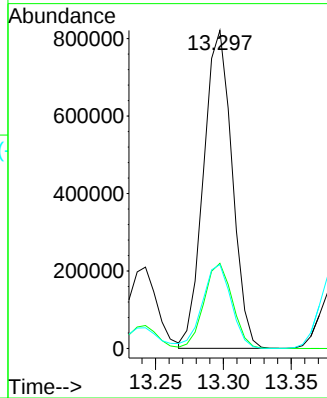
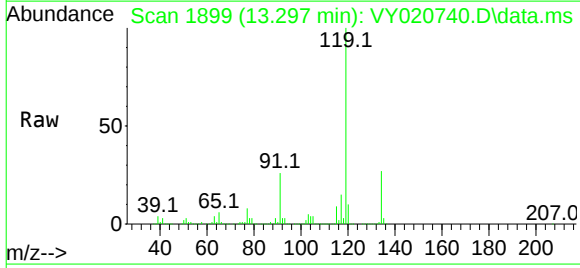
#86
p-Isopropyltoluene
Concen: 381.241 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.001 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00398

Tgt Ion: 119 Resp: 1201816
Ion Ratio Lower Upper
119 100
134 26.6 13.4 40.2
91 26.5 12.9 38.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#89
n-Butylbenzene
Concen: 30.374 ug/l m
RT: 13.621 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VY020740.D
Acq: 27 Dec 2024 15:34

Tgt Ion: 91 Resp: 79929
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.2#
134 291.0 14.8 44.4#

