

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
 Data File : VY020539.D
 Acq On : 06 Dec 2024 16:17
 Operator : SY/MD
 Sample : P5133-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-24-00374

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

Quant Time: Dec 07 03:27:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	136618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	174604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	47142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	75735	54.508	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.020%			
35) Dibromofluoromethane	7.640	113	72687	50.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.880%			
50) Toluene-d8	10.109	98	277344	50.541	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.408	95	73863	38.486	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 76.980%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	4634	51.414	ug/l #	91
13) Acrolein	3.659	56	1160	13.746	ug/l #	14
16) Acetone	3.872	43	17833320	51619.125	ug/l	96
25) 2-Butanone	6.896	43	32372	74.205	ug/l #	68
39) Methylcyclohexane	9.109	83	182203	60.335	ug/l	98
48) Methyl methacrylate	9.219	41	83189	91.633	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	45347	47.165	ug/l	98
52) Toluene	10.176	92	10412034	2325.806	ug/l	84
64) Tetrachloroethene	10.646	164	3571	2.420	ug/l	93
67) Ethyl Benzene	11.517	91	45190	5.509	ug/l	100
68) m/p-Xylenes	11.627	106	77906	25.935	ug/l	99
69) o-Xylene	11.956	106	52479	18.648	ug/l	99
73) Isopropylbenzene	12.255	105	48640	10.664	ug/l	98
78) n-propylbenzene	12.597	91	212695	39.385	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	270812	74.089	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	1007712	283.641	ug/l	100
85) sec-Butylbenzene	13.176	105	120880	25.523	ug/l	84
86) p-Isopropyltoluene	13.291	119	71311	18.221	ug/l	97
89) n-Butylbenzene	13.621	91	180448m	49.712	ug/l	
95) Naphthalene	15.151	128	54672	38.892	ug/l #	89

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

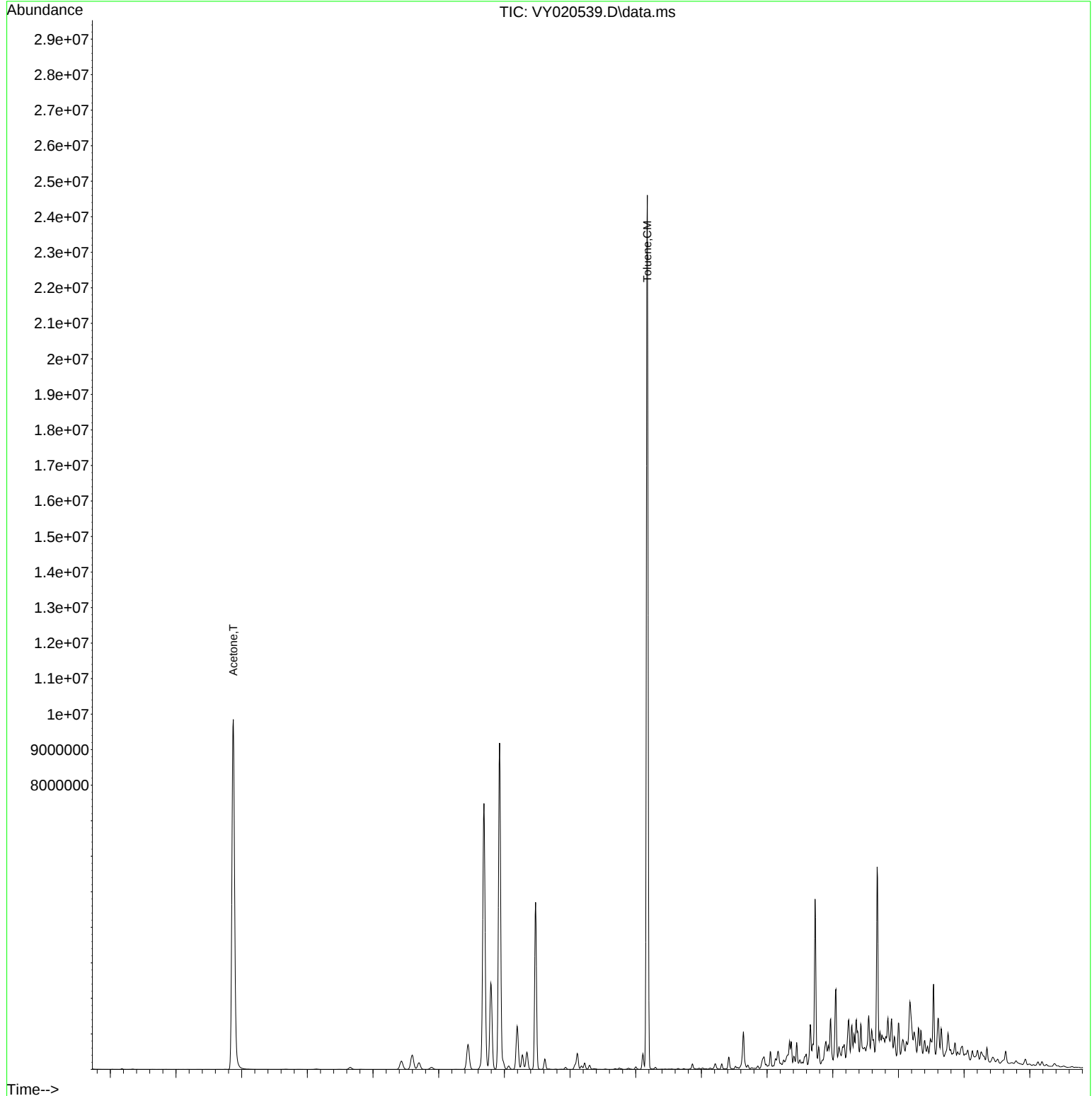
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

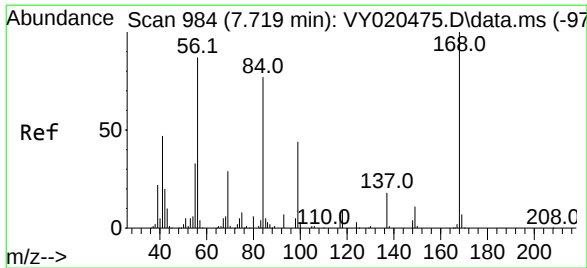
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

Quant Time: Dec 07 03:27:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

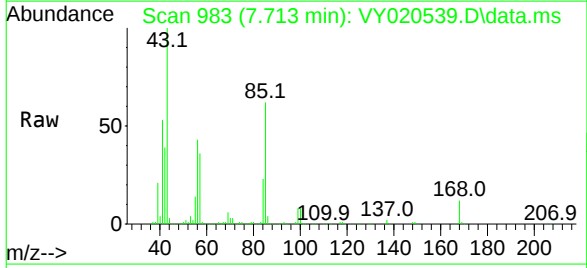
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

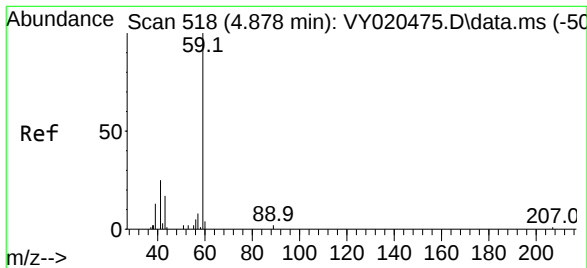
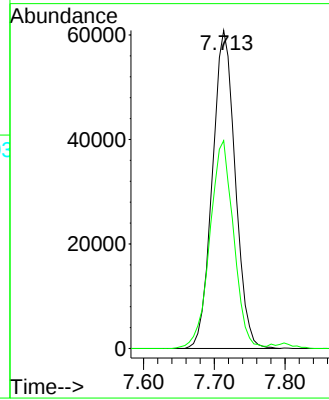
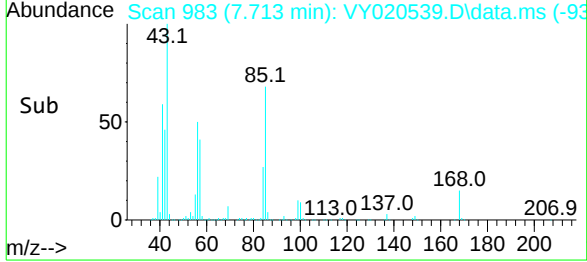
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374



Tgt Ion:168 Resp: 136618
Ion Ratio Lower Upper
168 100
99 64.8 46.6 69.8

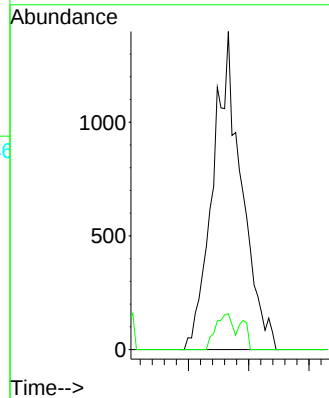
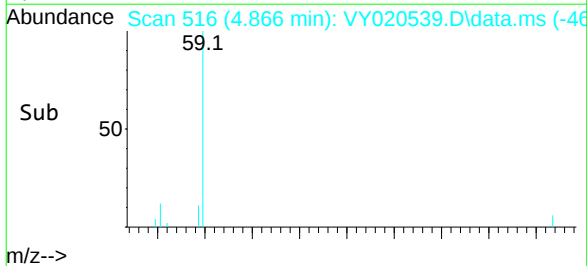
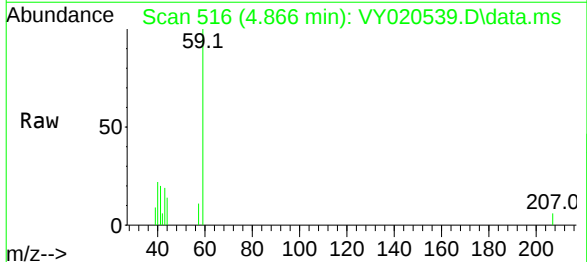
Manual Integrations
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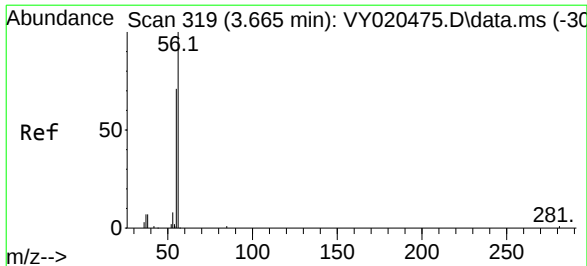
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#11
Tert butyl alcohol
Concen: 51.414 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

Tgt Ion: 59 Resp: 4634
Ion Ratio Lower Upper
59 100
57 6.8 8.2 12.2#





#13

Acrolein

Concen: 13.746 ug/l

RT: 3.659 min Scan# 311

Delta R.T. -0.006 min

Lab File: VY020539.D

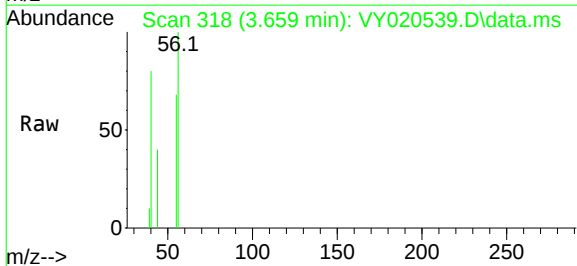
Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00374



Tgt Ion: 56 Resp: 1160

Ion Ratio Lower Upper

56 100

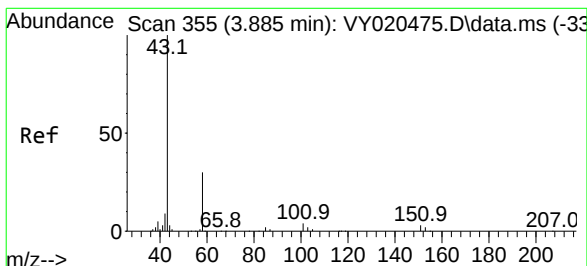
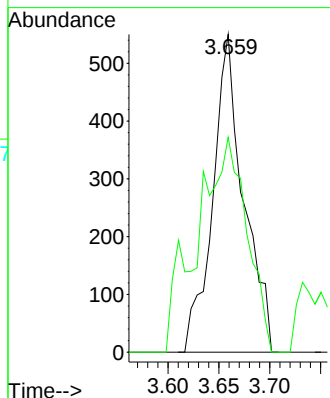
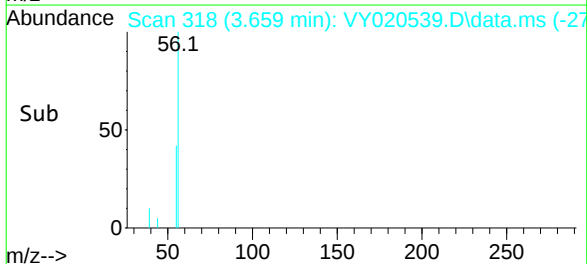
55 0.0 57.7 86.5#

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Reviewed By :Mahesh Dadoda 12/09/2024

Supervised By :Semsettin Yesilyurt 12/09/2024



#16

Acetone

Concen: 51619.125 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.012 min

Lab File: VY020539.D

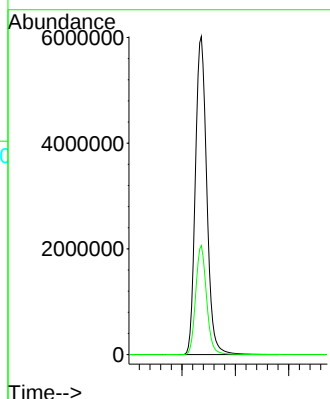
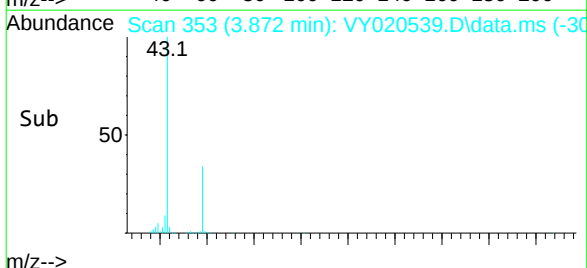
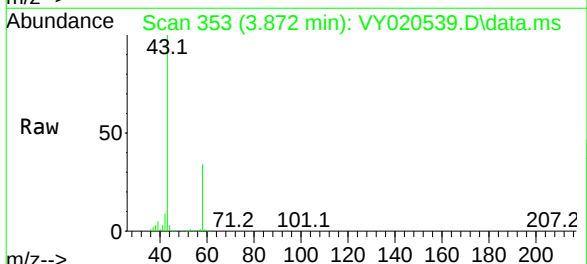
Acq: 06 Dec 2024 16:17

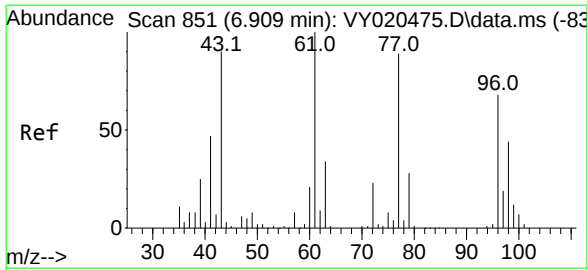
Tgt Ion: 43 Resp:17833320

Ion Ratio Lower Upper

43 100

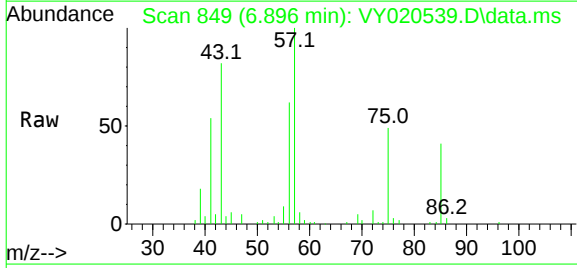
58 34.3 25.7 38.5





#25
2-Butanone
Concen: 74.205 ug/l
RT: 6.896 min Scan# 841
Delta R.T. -0.012 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

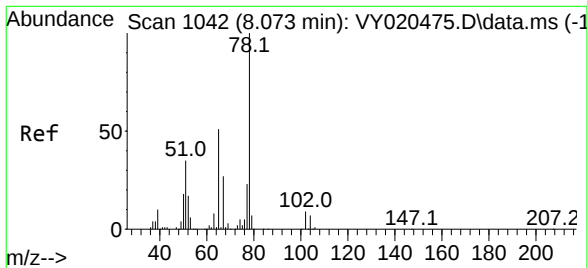
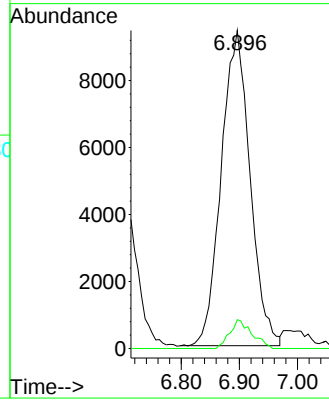
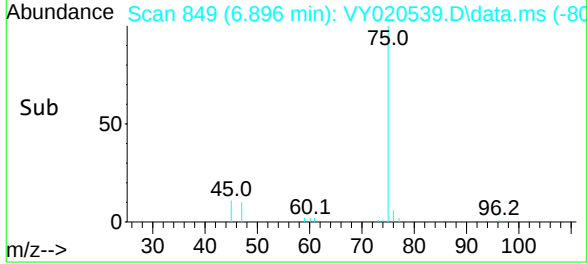
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374



Tgt Ion: 43 Resp: 32372
Ion Ratio Lower Upper
43 100
72 9.1 20.4 30.6#

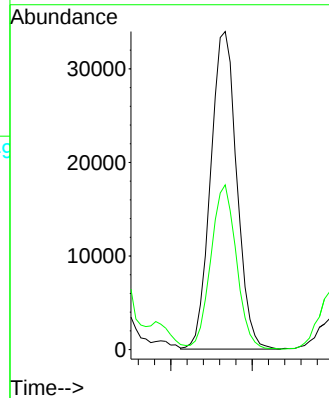
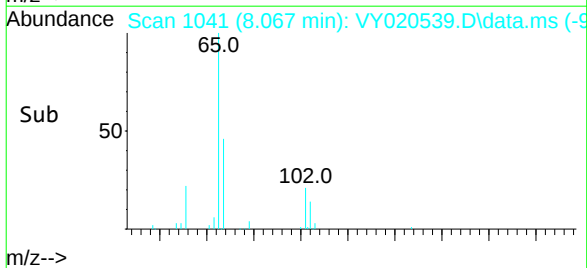
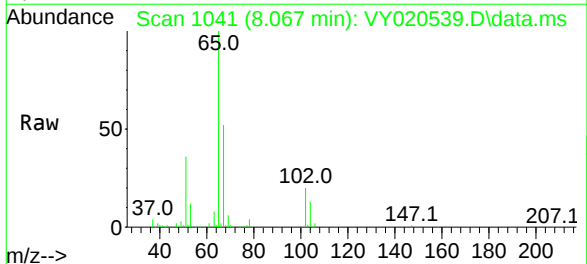
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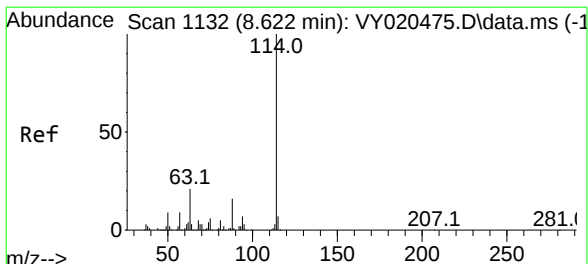
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#33
1,2-Dichloroethane-d4
Concen: 54.508 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

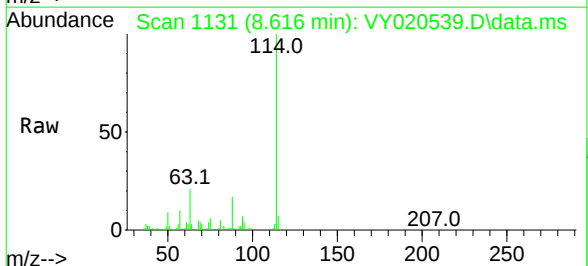
Tgt Ion: 65 Resp: 75735
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.8





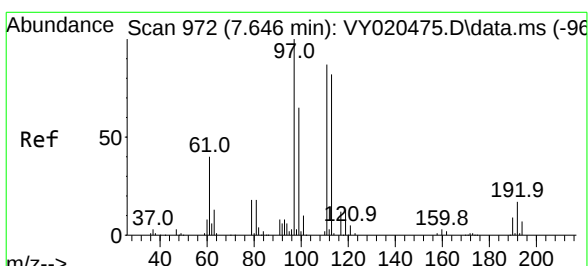
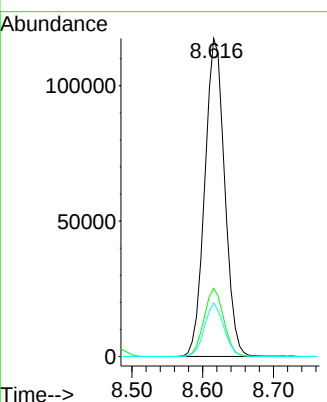
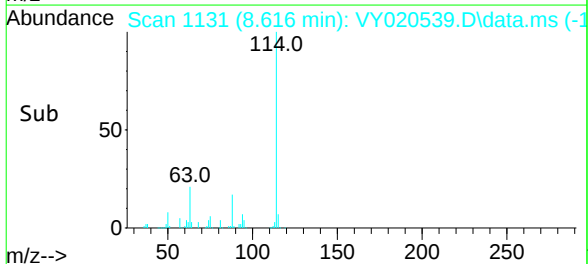
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY020539.D
 Acq: 06 Dec 2024 16:17

Instrument : MSVOA_Y
 ClientSampleId : MOO-24-00374

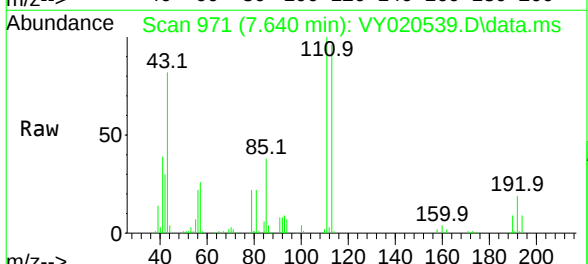


Tgt Ion:	114	Resp:	228911
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.8
88	16.8	0.0	32.0

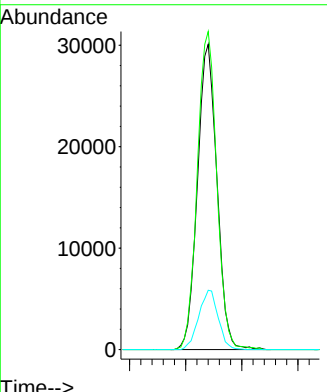
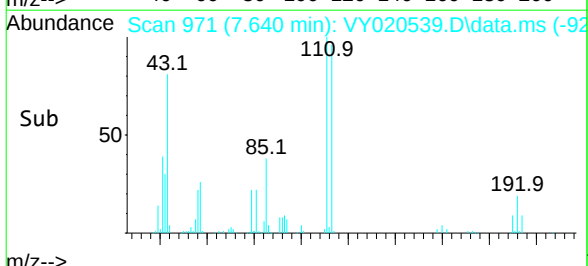
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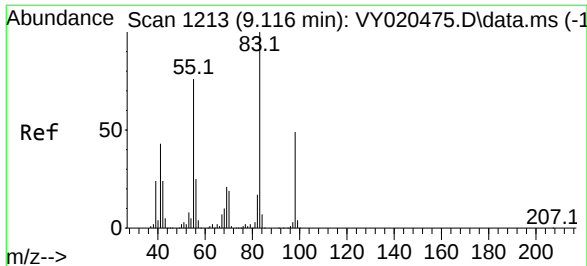


#35
 Dibromofluoromethane
 Concen: 50.438 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. -0.006 min
 Lab File: VY020539.D
 Acq: 06 Dec 2024 16:17



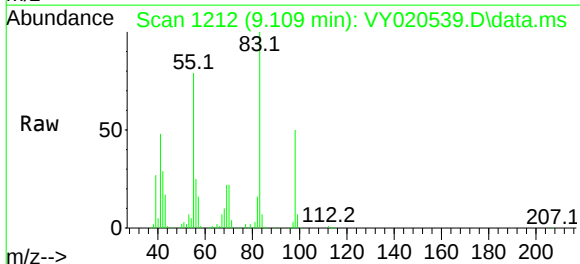
Tgt Ion:	113	Resp:	72687
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	19.4	15.1	22.7





#39
Methylcyclohexane
Concen: 60.335 ug/l
RT: 9.109 min Scan# 1213
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

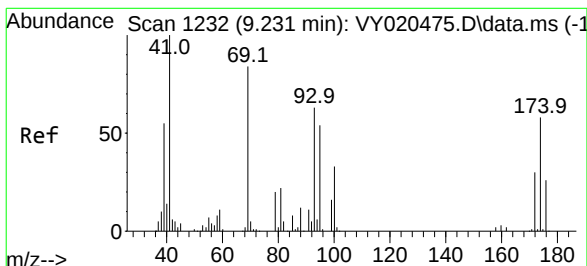
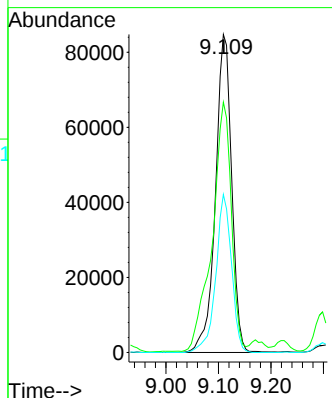
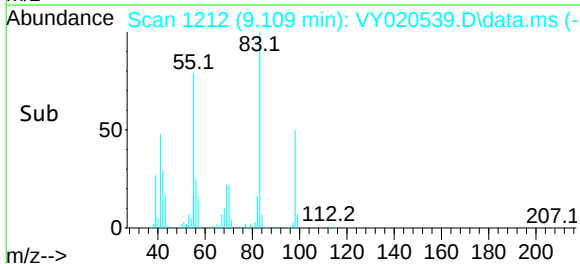
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374



Tgt Ion: 83 Resp: 182203
Ion Ratio Lower Upper
83 100
55 78.3 62.6 93.8
98 49.7 37.0 55.4

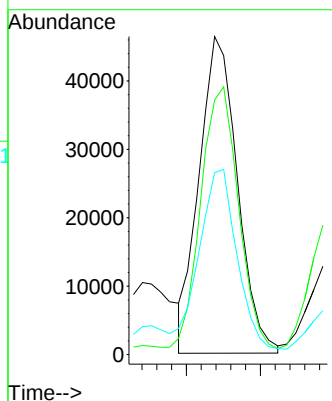
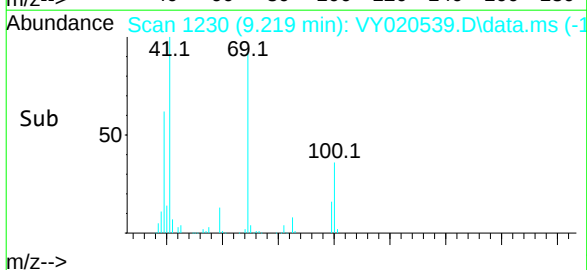
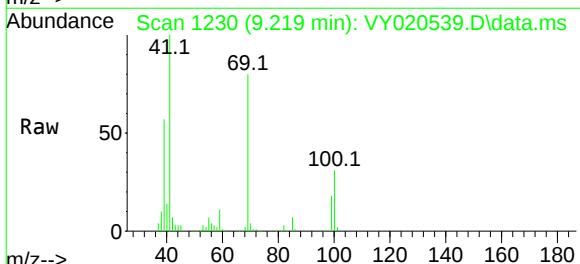
Manual Integrations
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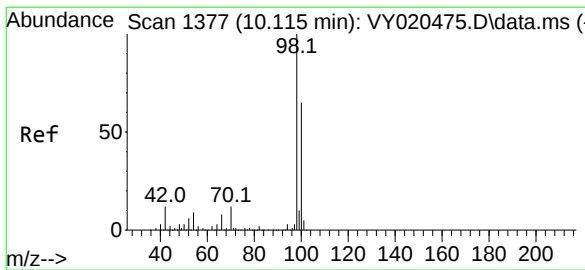
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#48
Methyl methacrylate
Concen: 91.633 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.012 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

Tgt Ion: 41 Resp: 83189
Ion Ratio Lower Upper
41 100
69 81.0 66.1 99.1
39 58.0 46.0 69.0





#50

Toluene-d8

Concen: 50.541 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00374

Tgt Ion: 98 Resp: 277344

Ion Ratio Lower Upper

98 100

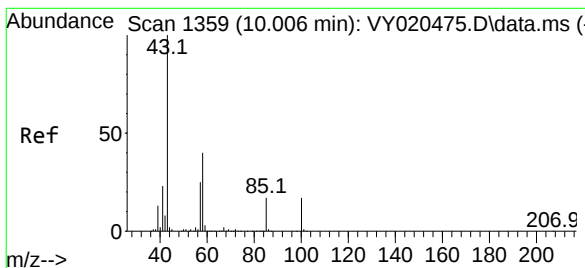
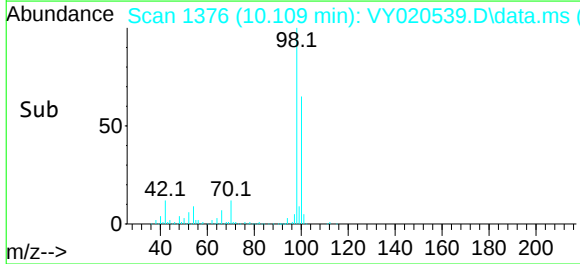
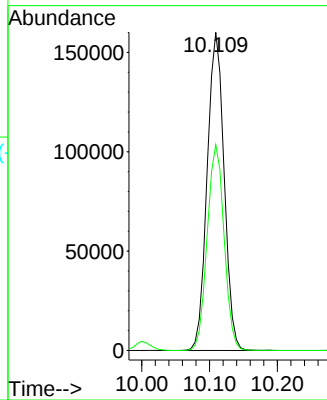
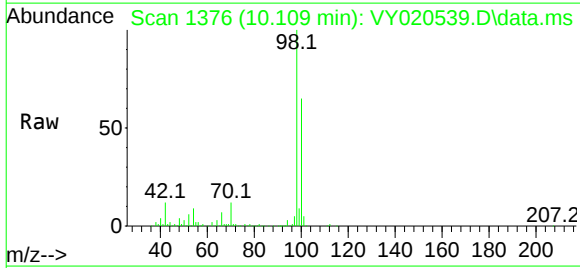
100 64.5 51.3 76.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/09/2024

Supervised By :Semsettin Yesilyurt 12/09/2024



#51

4-Methyl-2-Pentanone

Concen: 47.165 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020539.D

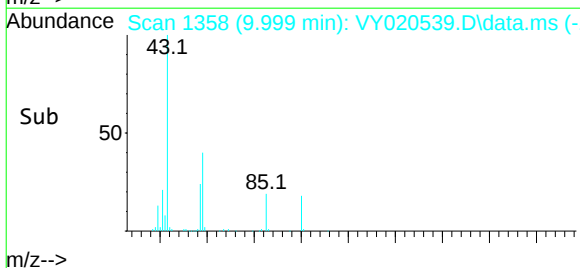
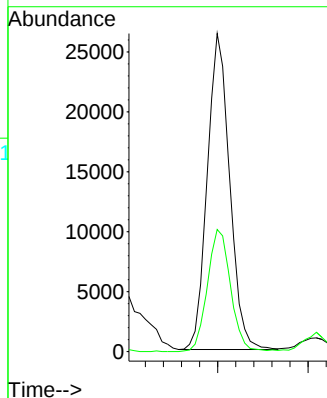
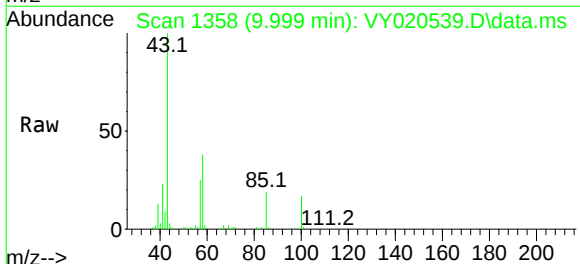
Acq: 06 Dec 2024 16:17

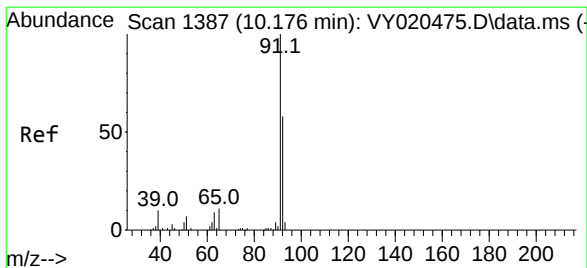
Tgt Ion: 43 Resp: 45347

Ion Ratio Lower Upper

43 100

58 39.9 30.9 46.3





#52

Toluene

Concen: 2325.806 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00374

Tgt Ion: 92 Resp:10412034

Ion Ratio Lower Upper

92 100

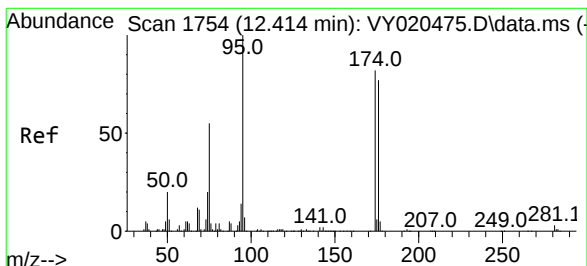
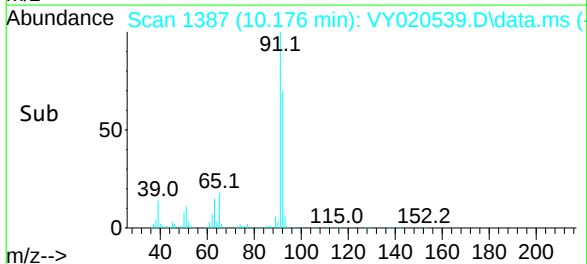
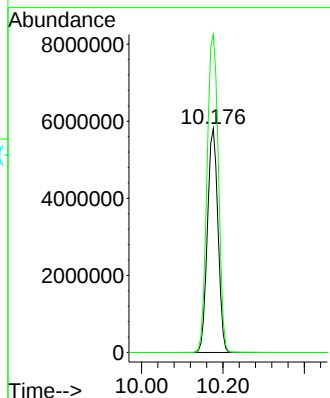
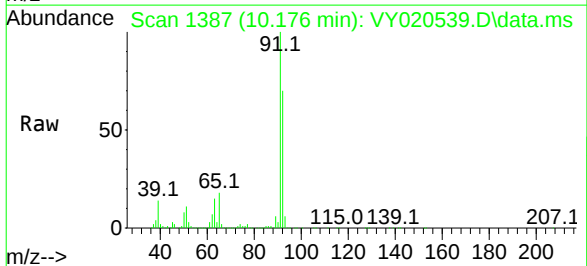
91 152.9 139.7 209.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/09/2024

Supervised By :Semsettin Yesilyurt 12/09/2024



#62

4-Bromofluorobenzene

Concen: 38.486 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

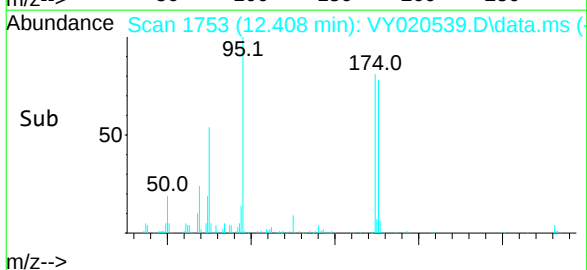
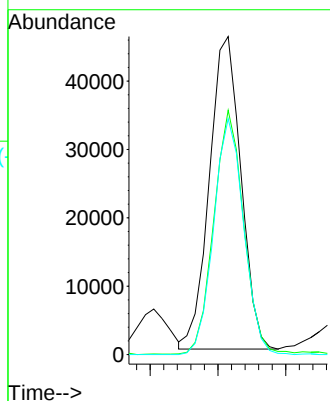
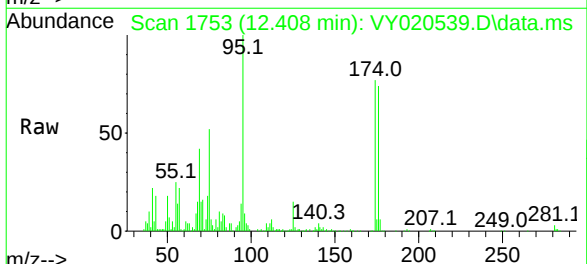
Tgt Ion: 95 Resp: 73863

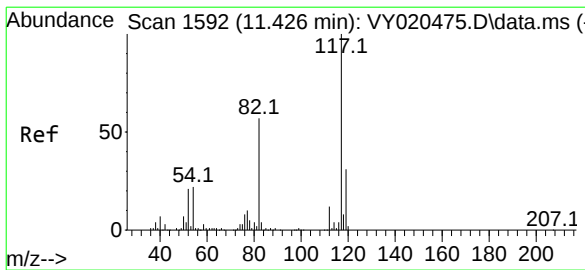
Ion Ratio Lower Upper

95 100

174 73.6 0.0 156.8

176 71.7 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1592

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00374

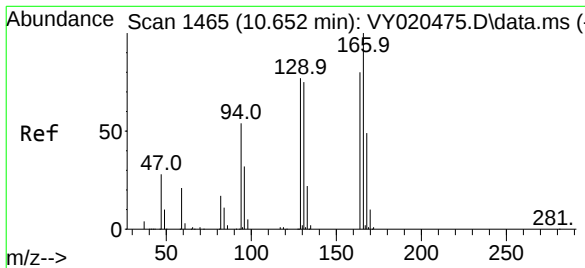
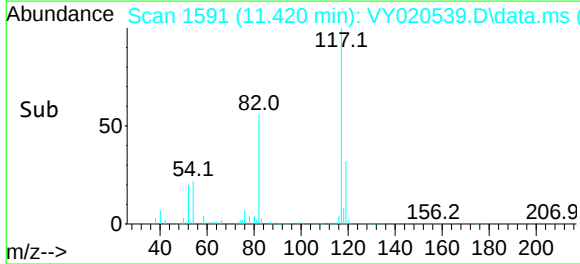
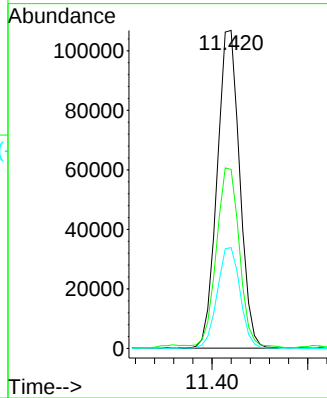
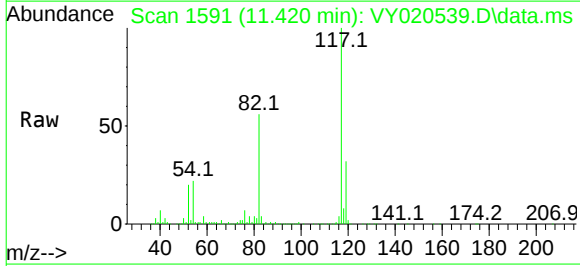
Tgt Ion:	117	Resp:	174604
Ion	Ratio	Lower	Upper
117	100		
82	55.7	48.2	72.4
119	31.7	25.8	38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024

Supervised By :Semsettin Yesilyurt 12/09/2024



#64

Tetrachloroethene

Concen: 2.420 ug/l

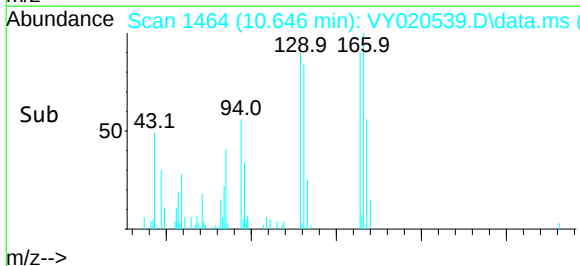
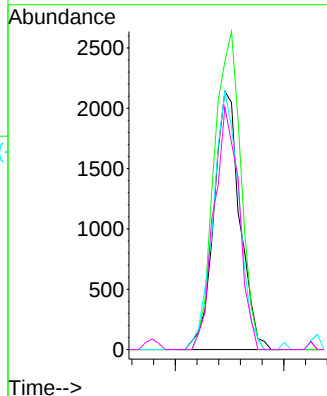
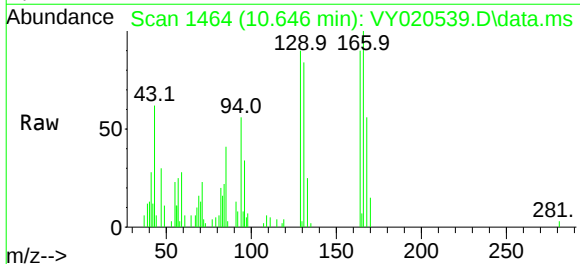
RT: 10.646 min Scan# 1464

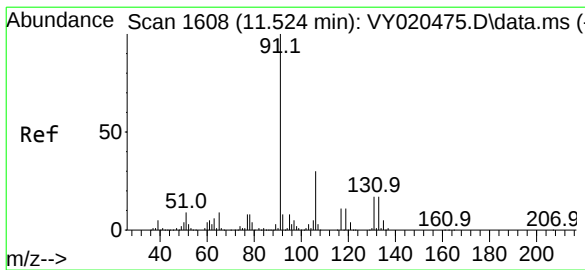
Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Tgt Ion:	164	Resp:	3571
Ion	Ratio	Lower	Upper
164	100		
166	111.5	103.8	155.8
129	100.0	79.0	118.4
131	93.9	77.1	115.7





#67

Ethyl Benzene

Concen: 5.509 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

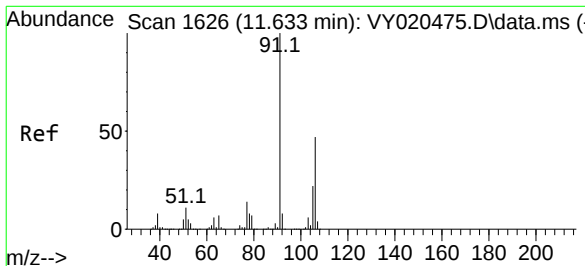
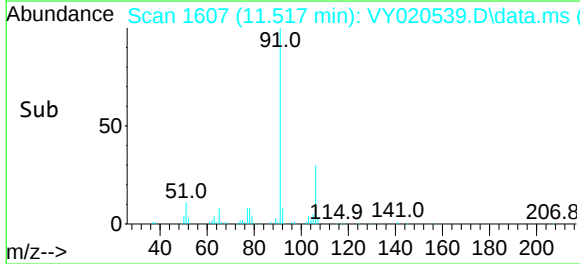
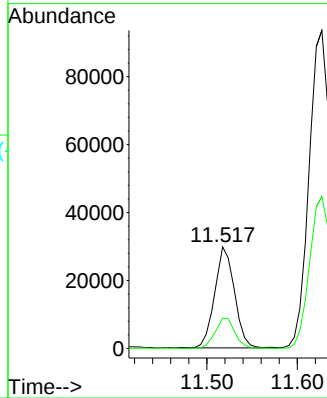
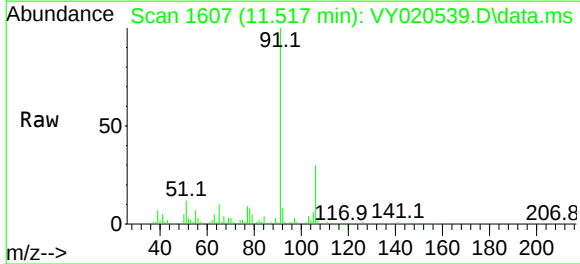
MOO-24-00374

Tgt Ion: 91 Resp: 45190
 Ion Ratio Lower Upper
 91 100
 106 29.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024



#68

m/p-Xylenes

Concen: 25.935 ug/l

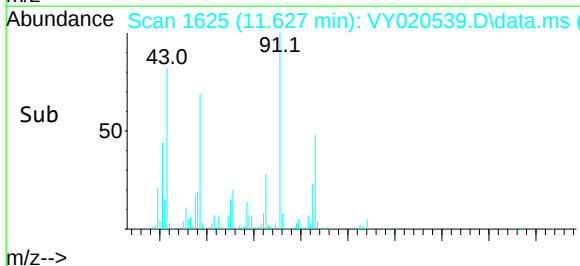
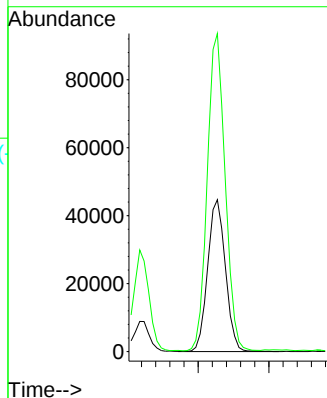
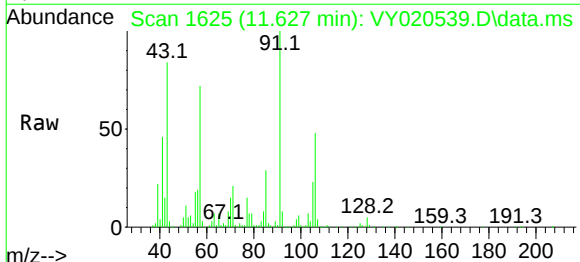
RT: 11.627 min Scan# 1625

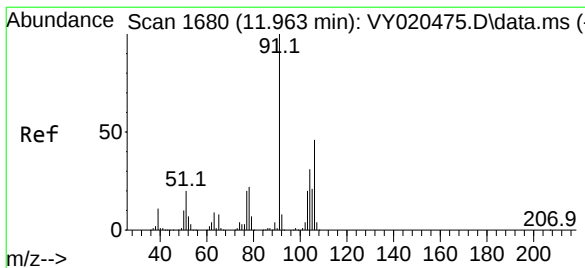
Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

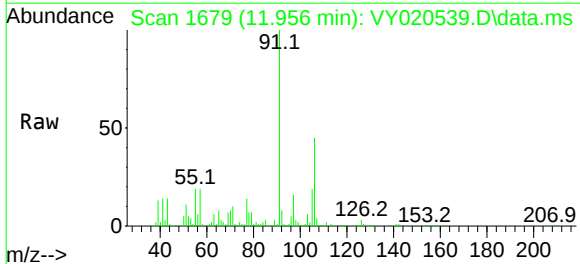
Tgt Ion:106 Resp: 77906
 Ion Ratio Lower Upper
 106 100
 91 209.6 166.0 249.0





#69
o-Xylene
Concen: 18.648 ug/l
RT: 11.956 min Scan# 1680
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

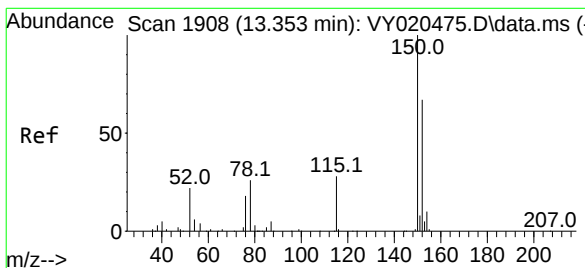
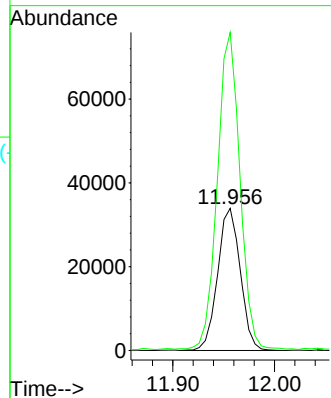
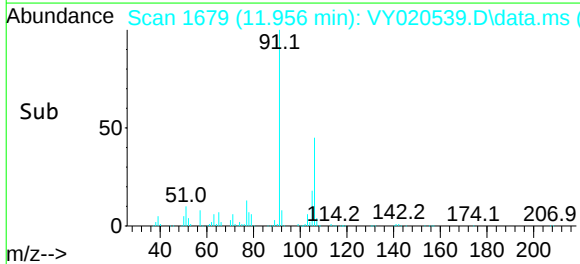
Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374



Tgt Ion:106 Resp: 52479
Ion Ratio Lower Upper
106 100
91 221.8 110.0 330.0

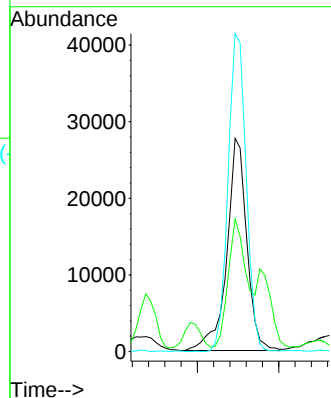
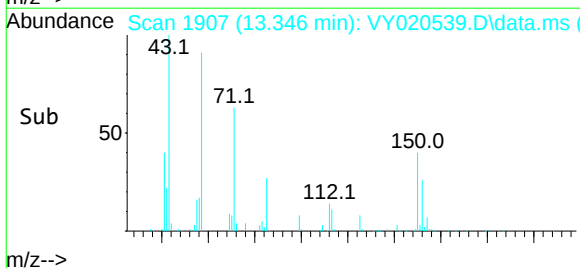
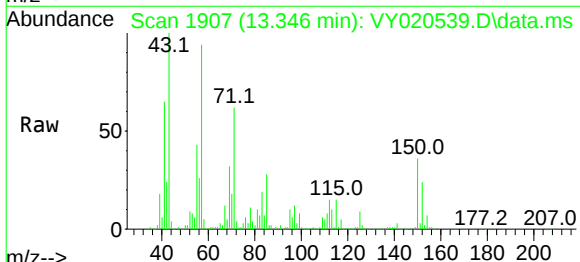
Manual Integrations
APPROVED

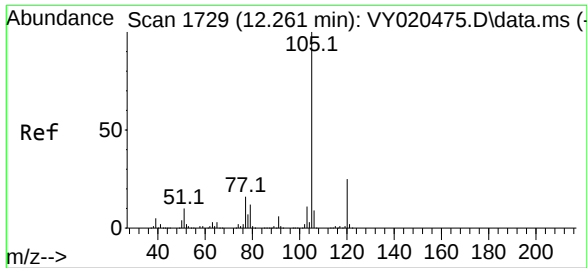
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

Tgt Ion:152 Resp: 47142
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.0
150 136.3 0.0 348.2





#73

Isopropylbenzene

Concen: 10.664 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00374

Tgt Ion:105 Resp: 48640

Ion Ratio Lower Upper

105 100

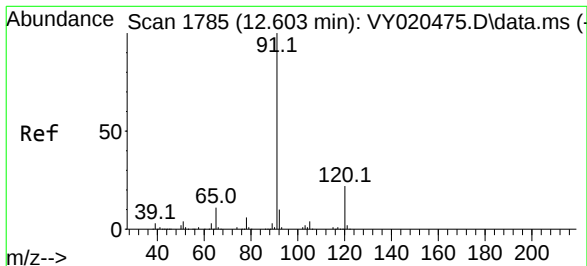
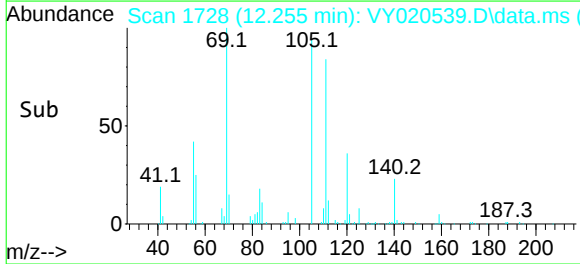
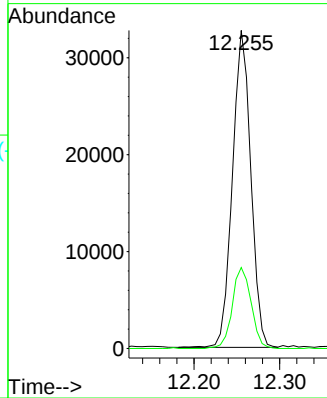
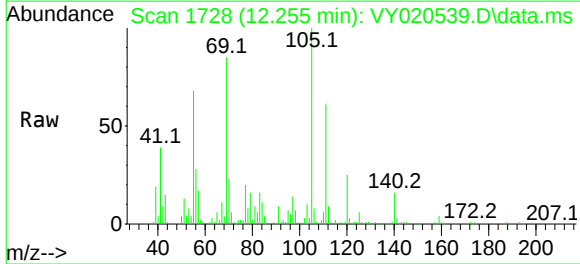
120 26.2 12.7 38.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024

Supervised By :Semsettin Yesilyurt 12/09/2024



#78

n-propylbenzene

Concen: 39.385 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY020539.D

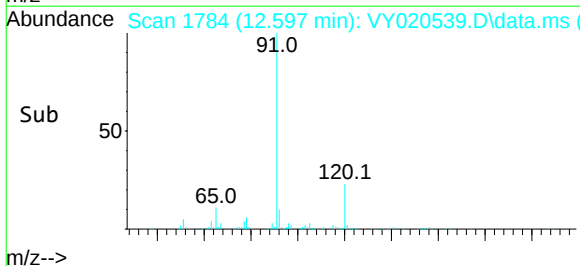
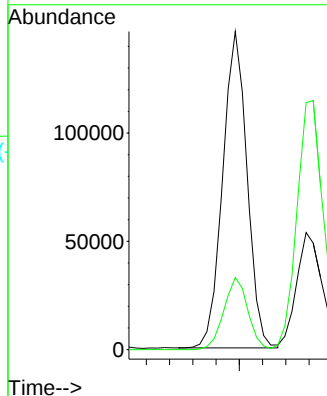
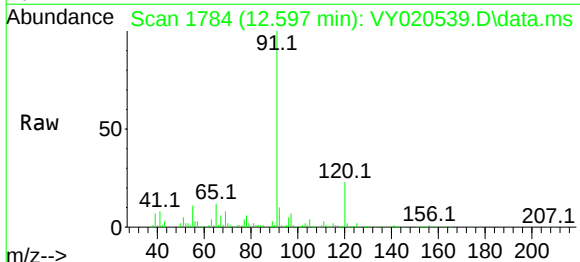
Acq: 06 Dec 2024 16:17

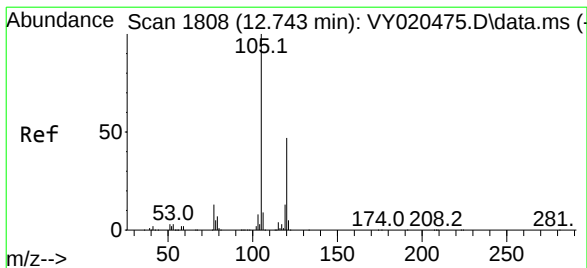
Tgt Ion: 91 Resp: 212695

Ion Ratio Lower Upper

91 100

120 22.4 10.9 32.6





#80

1,3,5-Trimethylbenzene

Concen: 74.089 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

MOO-24-00374

Tgt Ion:105 Resp: 270812

Ion Ratio Lower Upper

105 100

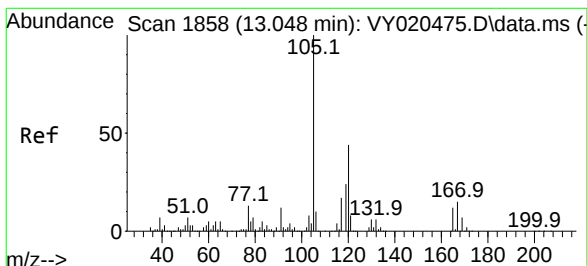
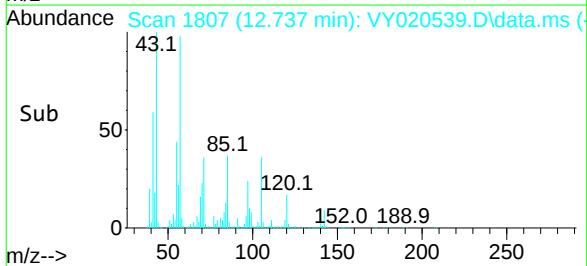
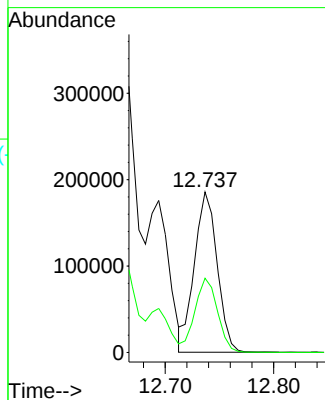
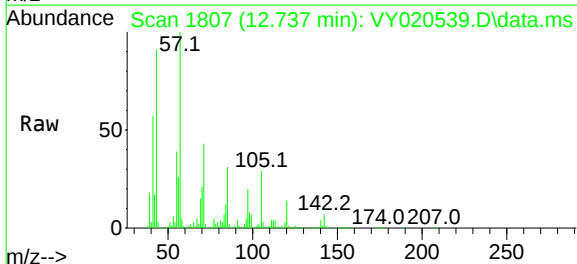
120 46.4 24.3 72.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024

Supervised By :Semsettin Yesilyurt 12/09/2024



#84

1,2,4-Trimethylbenzene

Concen: 283.641 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY020539.D

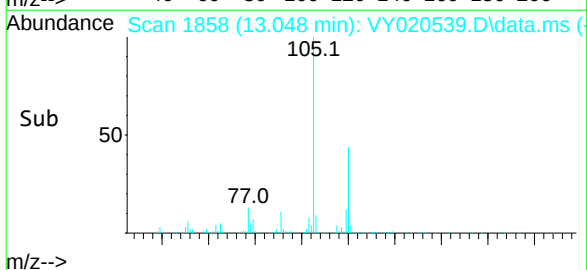
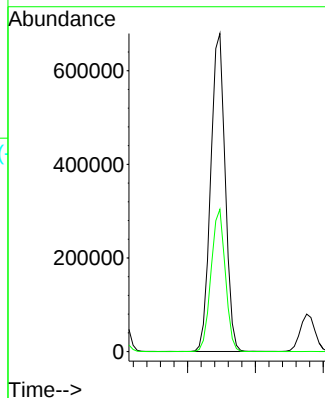
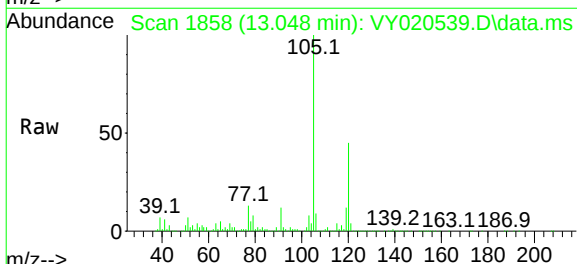
Acq: 06 Dec 2024 16:17

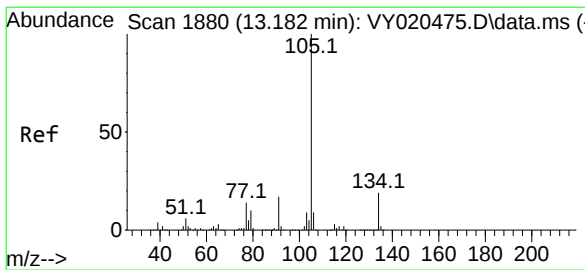
Tgt Ion:105 Resp: 1007712

Ion Ratio Lower Upper

105 100

120 44.1 22.0 66.0





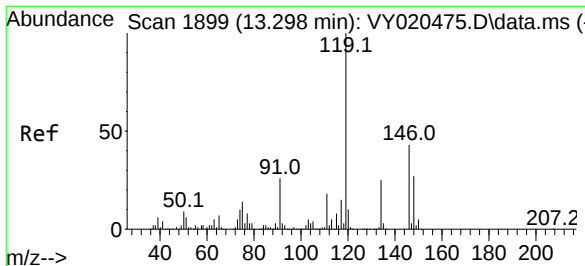
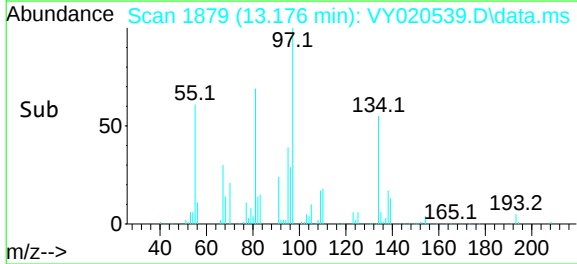
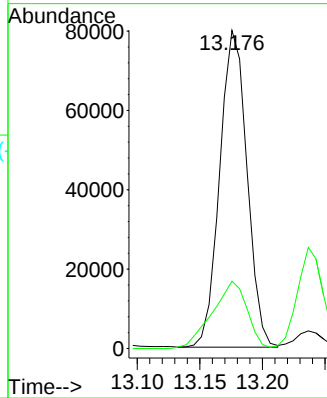
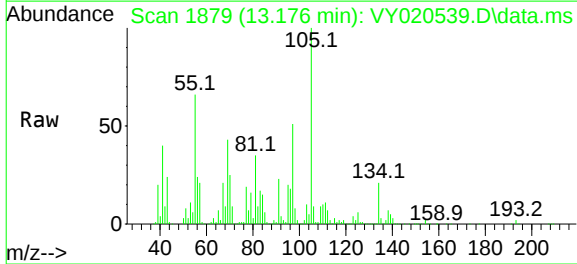
#85
sec-Butylbenzene
Concen: 25.523 ug/l
RT: 13.176 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

Instrument : MSVOA_Y
ClientSampleId : MOO-24-00374

Tgt Ion:105 Resp: 120880
Ion Ratio Lower Upper
105 100
134 27.1 9.8 29.5

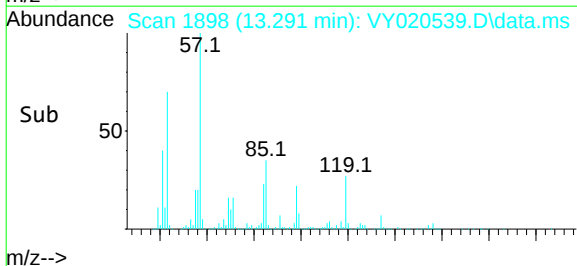
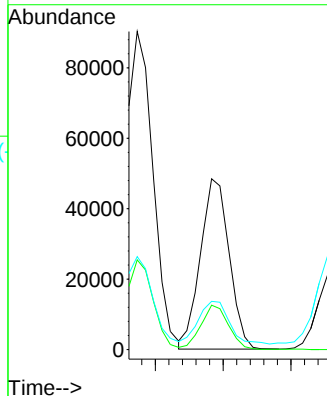
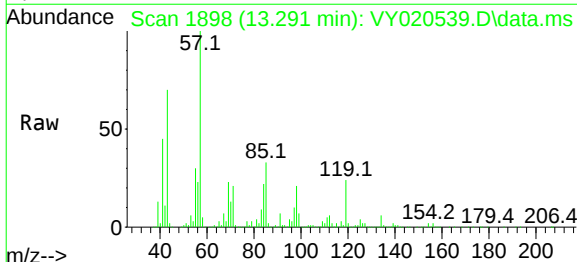
Manual Integrations
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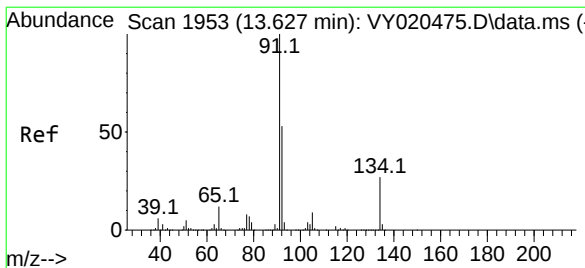
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#86
p-Isopropyltoluene
Concen: 18.221 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY020539.D
Acq: 06 Dec 2024 16:17

Tgt Ion:119 Resp: 71311
Ion Ratio Lower Upper
119 100
134 24.8 12.8 38.4
91 26.5 12.3 36.8





#89

n-Butylbenzene

Concen: 49.712 ug/l m

RT: 13.621 min Scan# 19

Delta R.T. -0.006 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Instrument :

MSVOA_Y

ClientSampleId :

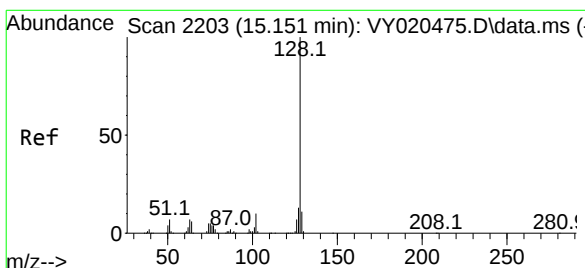
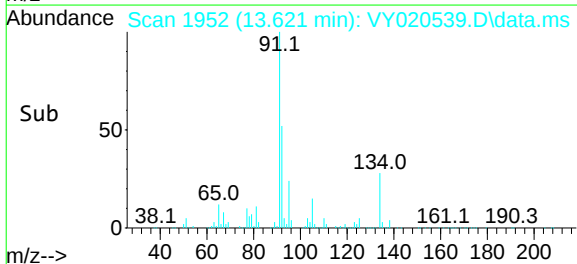
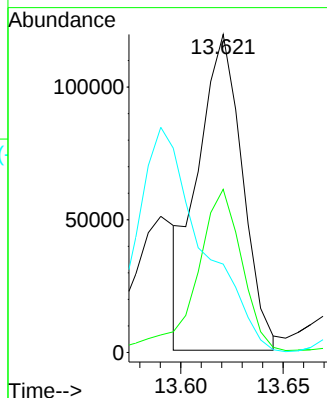
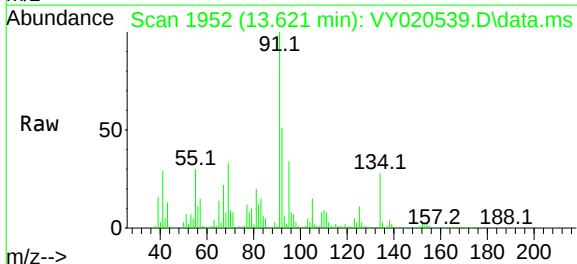
MOO-24-00374

Tgt Ion:	91	Resp:	180448
Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.5	79.5
134	0.0	12.2	36.4#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#95

Naphthalene

Concen: 38.892 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020539.D

Acq: 06 Dec 2024 16:17

Tgt Ion:	128	Resp:	54672
Ion	Ratio	Lower	Upper
128	100		
127	17.5	10.5	15.7#
129	14.6	8.6	13.0#

