

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018793.D
 Acq On : 12 Jul 2024 13:25
 Operator : SY/MD
 Sample : P3184-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP(00187-00189-00186)RE

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024

Quant Time: Jul 12 14:04:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	75323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	137952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	112038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	35702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	41245	55.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.300%			
35) Dibromofluoromethane	7.710	113	41404	47.920	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.840%			
50) Toluene-d8	10.179	98	148717	45.432	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.860%			
62) 4-Bromofluorobenzene	12.477	95	43418	38.839	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.680%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	8900	118.535	ug/l	99
16) Acetone	3.942	43	965m	7.062	ug/l	
20) Methylene Chloride	4.698	84	10751	9.913	ug/l #	90
39) Methylcyclohexane	9.179	83	11013	7.207	ug/l	97
40) Benzene	8.149	78	6064	1.753	ug/l	99
52) Toluene	10.240	92	55584	24.177	ug/l	98
67) Ethyl Benzene	11.587	91	22411	5.413	ug/l	98
68) m/p-Xylenes	11.697	106	34392	21.168	ug/l	98
69) o-Xylene	12.026	106	14875	9.738	ug/l	96
73) Isopropylbenzene	12.331	105	4490	1.718	ug/l	93
78) n-propylbenzene	12.672	91	6346	2.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	9129	4.270	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	29503	13.887	ug/l	99
85) sec-Butylbenzene	13.251	105	6515	2.325	ug/l #	77
86) p-Isopropyltoluene	13.367	119	4302	1.779	ug/l	96
95) Naphthalene	15.233	128	8231	7.427	ug/l #	86

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

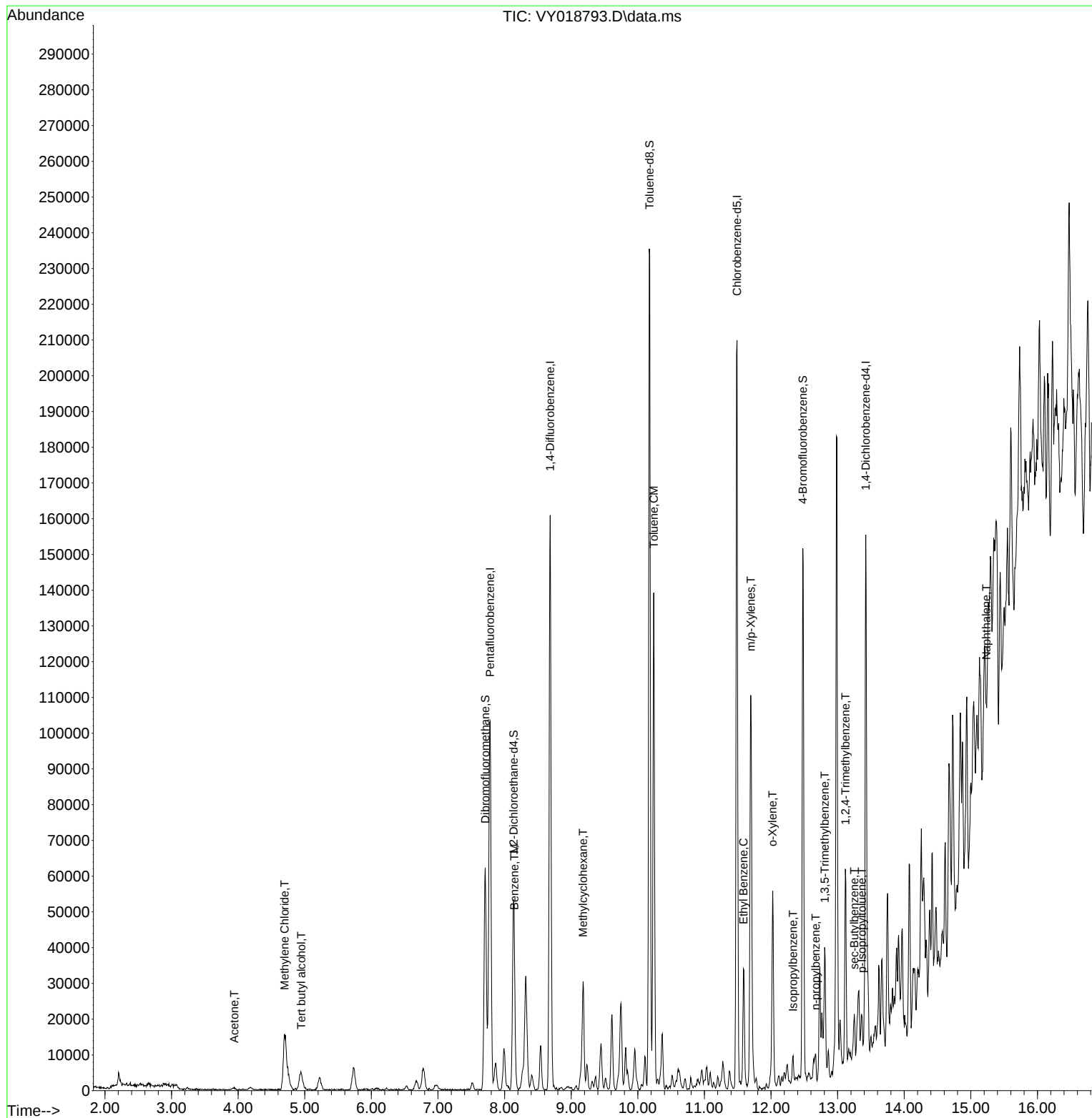
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018793.D
Acq On : 12 Jul 2024 13:25
Operator : SY/MD
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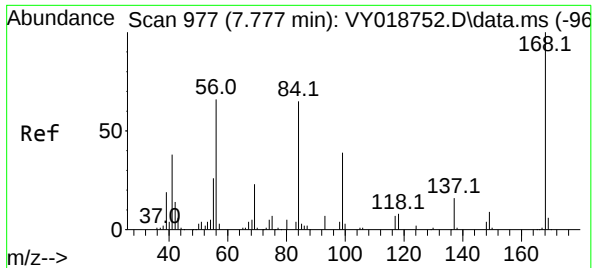
Instrument :
MSVOA_Y
ClientSampleId :
COMP(00187-00189-00186)RE

Quant Time: Jul 12 14:04:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 14:28:51 2024
Response via : Initial Calibration

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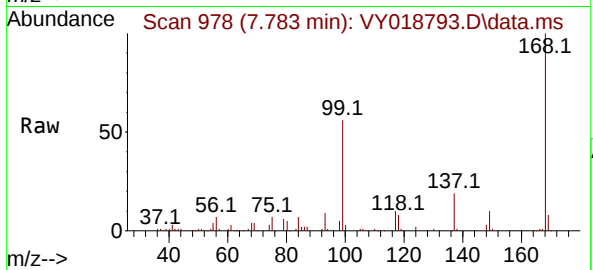
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

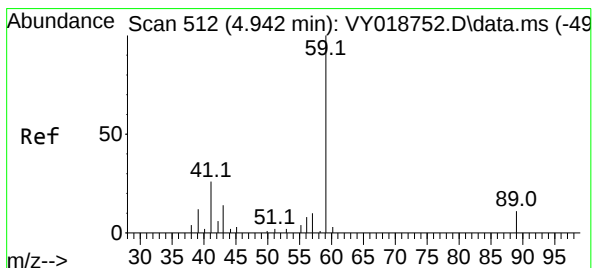
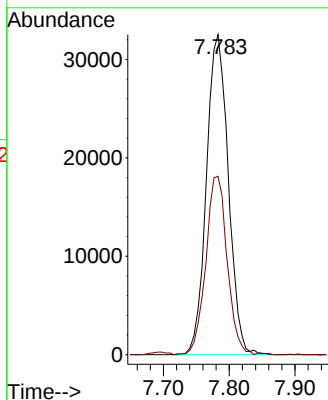
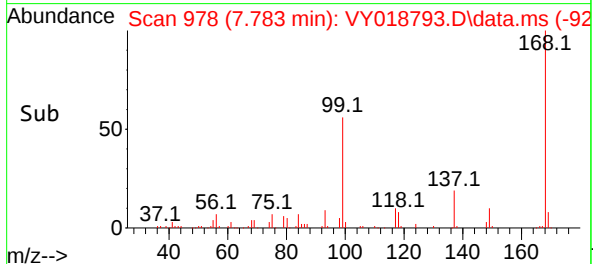
Instrument :
MSVOA_Y
ClientSampleId :
COMP(00187-00189-00186)RE



Tgt Ion:168 Resp: 7532
Ion Ratio Lower Upper
168 100
99 55.8 39.1 58.7

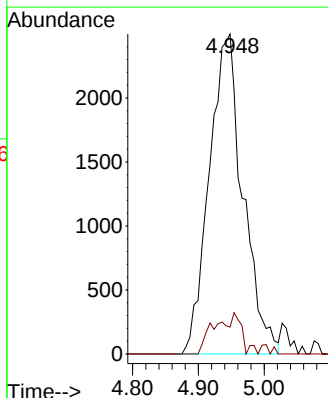
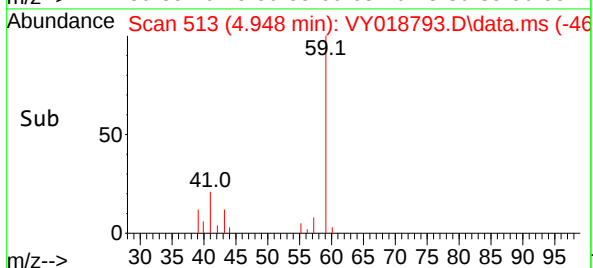
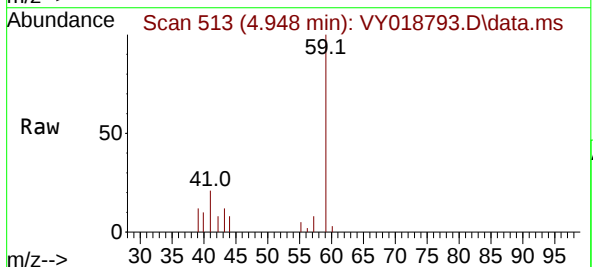
Manual Integrations
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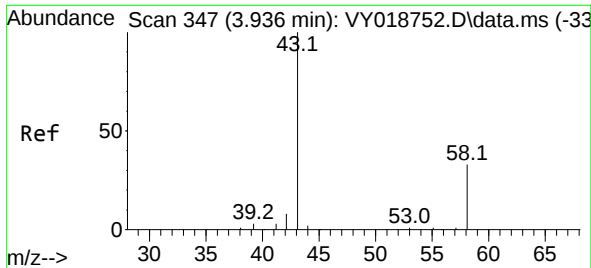
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#11
Tert butyl alcohol
Concen: 118.535 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

Tgt Ion: 59 Resp: 8900
Ion Ratio Lower Upper
59 100
57 3.6 3.0 4.6





#16

Acetone

Concen: 7.062 ug/l m

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

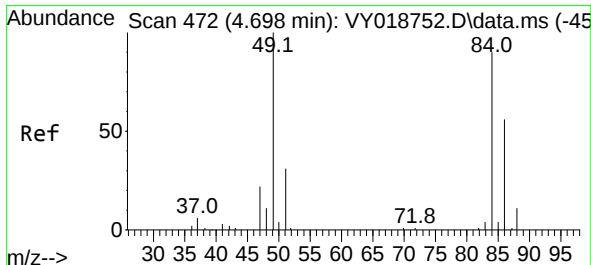
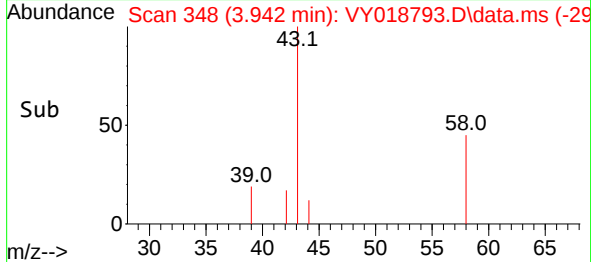
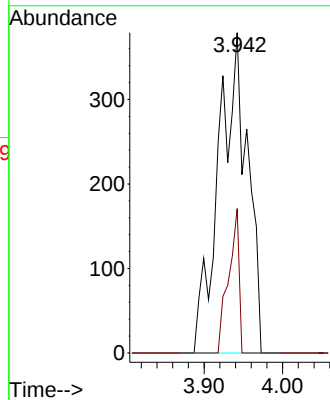
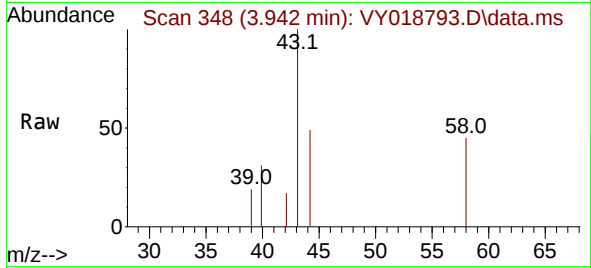
COMP(00187-00189-00186)RE

Tgt Ion: 43 Resp: 96
 Ion Ratio Lower Upper
 43 100
 58 45.1 31.7 47.5

Manual Integrations

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 Supervised By :Semsettin Yesilyurt 07/15/2024



#20

Methylene Chloride

Concen: 9.913 ug/l

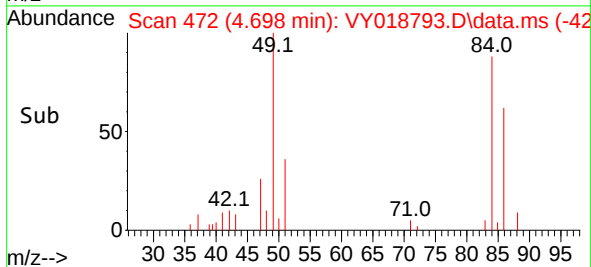
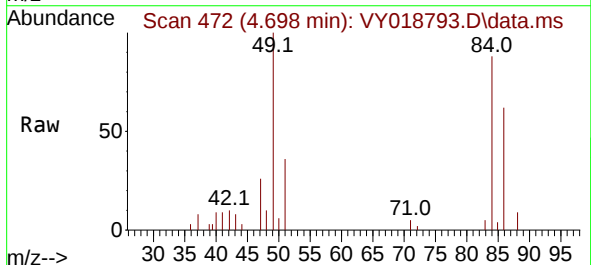
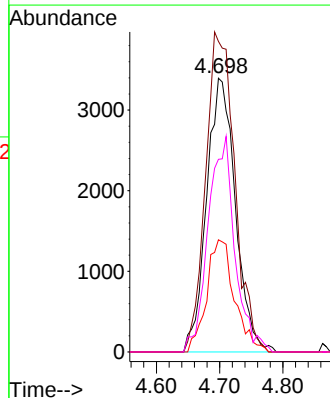
RT: 4.698 min Scan# 472

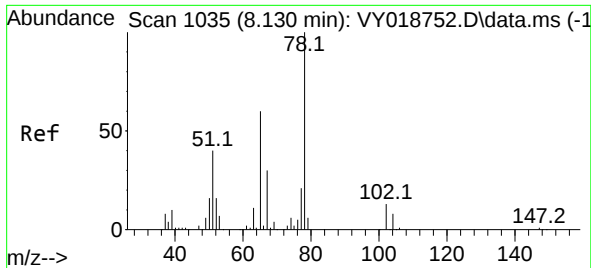
Delta R.T. 0.000 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

Tgt Ion: 84 Resp: 10751
 Ion Ratio Lower Upper
 84 100
 49 113.5 84.4 126.6
 51 41.0 26.0 39.0#
 86 70.4 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 55.647 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

COMP(00187-00189-00186)RE

Tgt Ion: 65 Resp: 41245

Ion Ratio Lower Upper

65 100

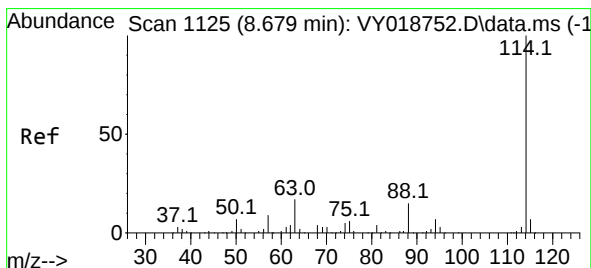
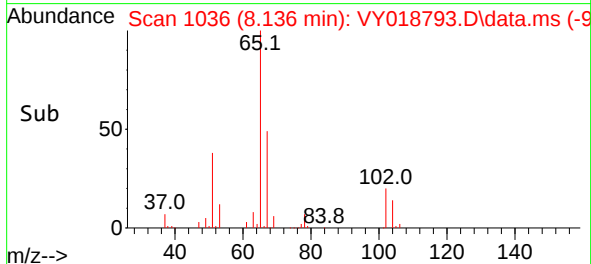
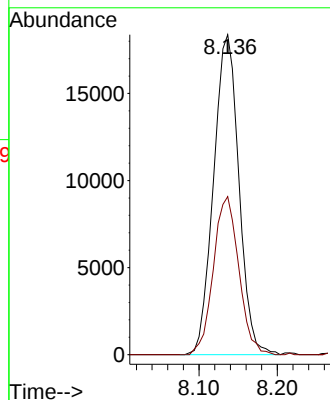
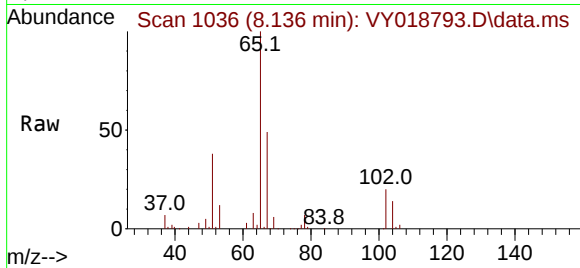
67 49.7 0.0 109.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/15/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

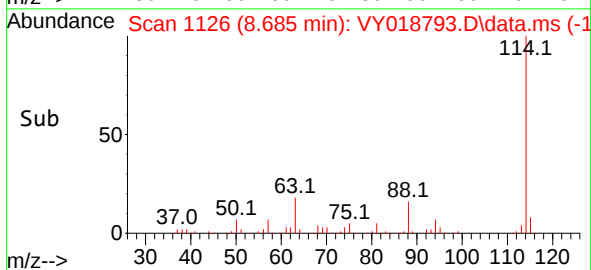
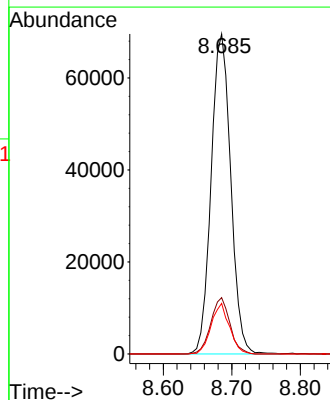
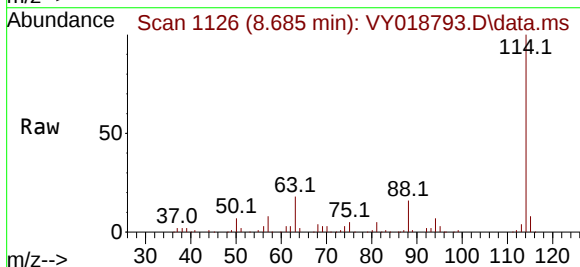
Tgt Ion:114 Resp: 137952

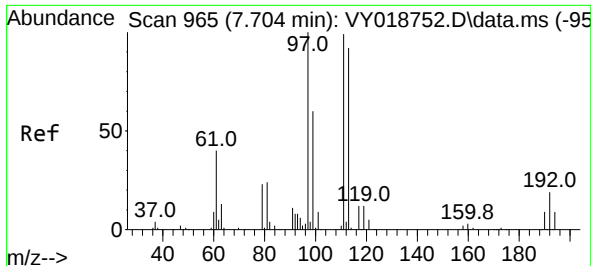
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

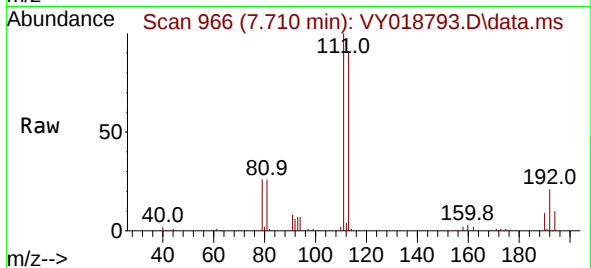
88 15.8 0.0 27.2





#35
Dibromofluoromethane
Concen: 47.920 ug/l
RT: 7.710 min Scan# 965
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

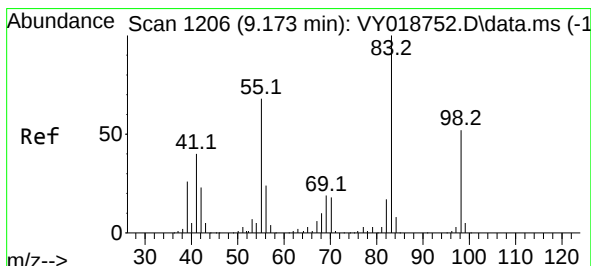
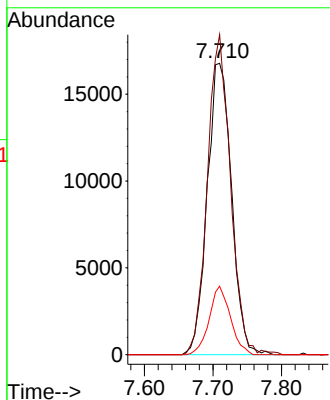
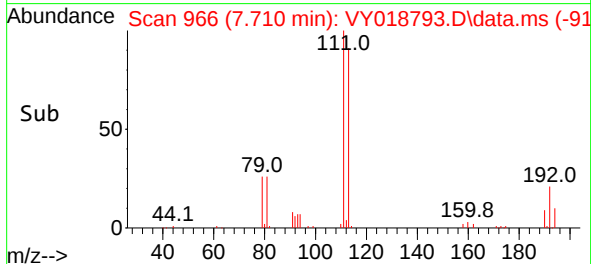
Instrument :
MSVOA_Y
ClientSampleId :
COMP(00187-00189-00186)RE



Tgt Ion:113 Resp: 41404
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.4
192 20.5 15.9 23.9

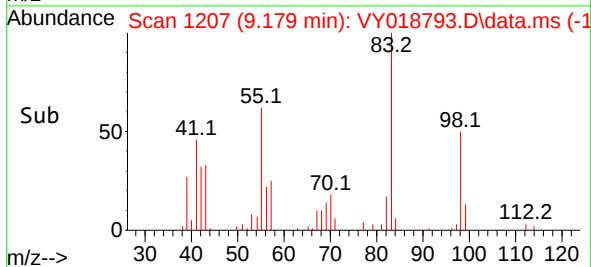
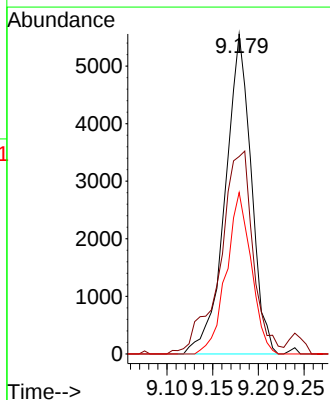
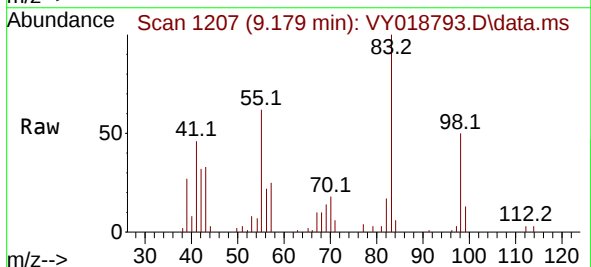
Manual Integrations
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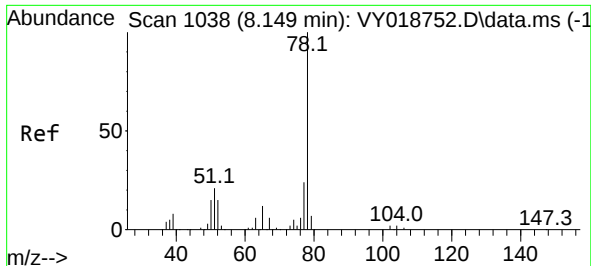
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#39
Methylcyclohexane
Concen: 7.207 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

Tgt Ion: 83 Resp: 11013
Ion Ratio Lower Upper
83 100
55 60.7 51.5 77.3
98 50.4 40.5 60.7





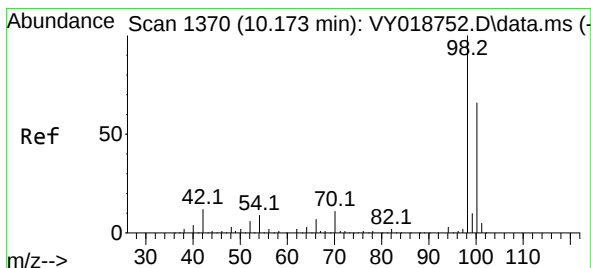
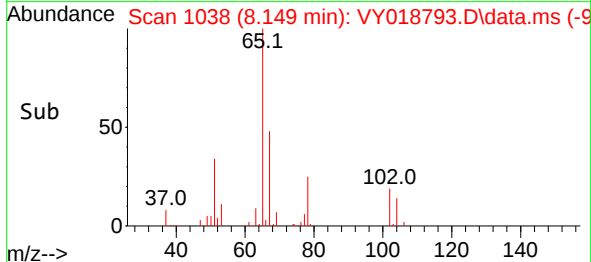
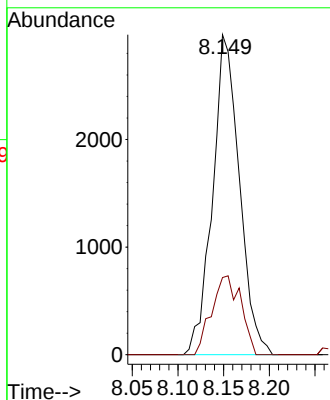
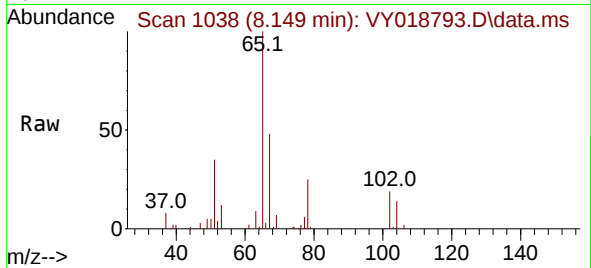
#40
Benzene
Concen: 1.753 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

Instrument : MSVOA_Y
ClientSampleId : COMP(00187-00189-00186)RE

Tgt Ion: 78 Resp: 6064
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3

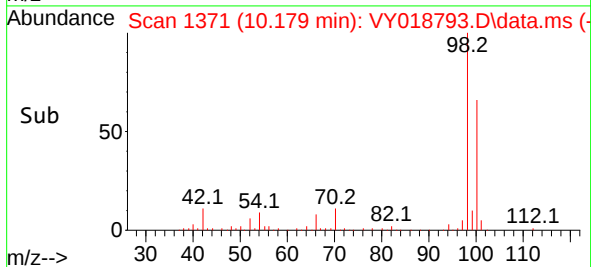
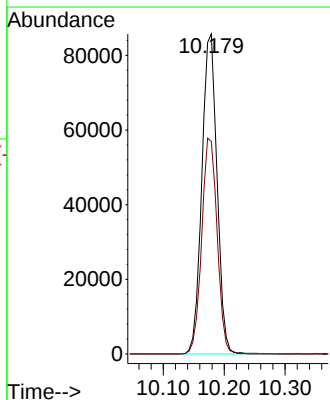
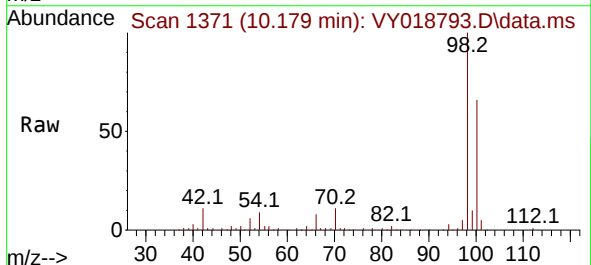
Manual Integrations
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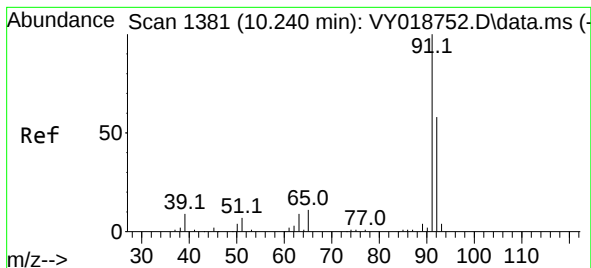
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#50
Toluene-d8
Concen: 45.432 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

Tgt Ion: 98 Resp: 148717
Ion Ratio Lower Upper
98 100
100 68.3 52.0 78.0





#52

Toluene

Concen: 24.177 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

COMP(00187-00189-00186)RE

Tgt Ion: 92 Resp: 55584

Ion Ratio Lower Upper

92 100

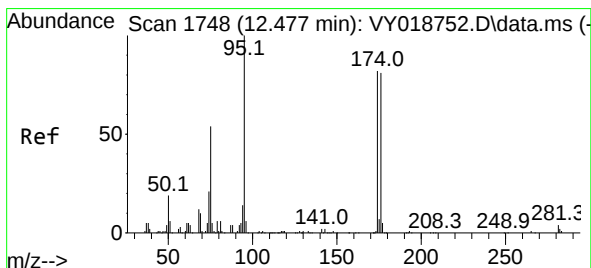
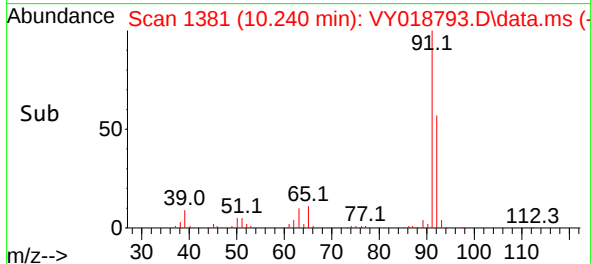
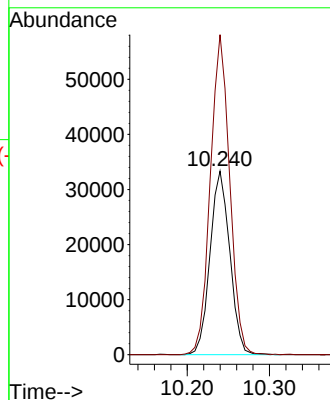
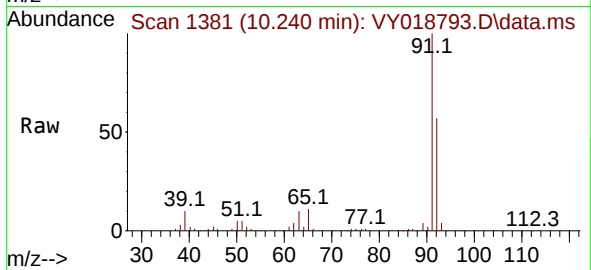
91 170.8 139.0 208.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024

Supervised By :Semsettin Yesilyurt 07/15/2024



#62

4-Bromofluorobenzene

Concen: 38.839 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

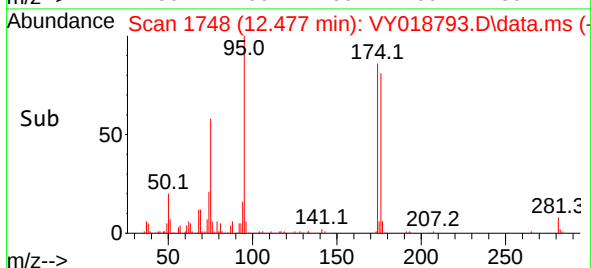
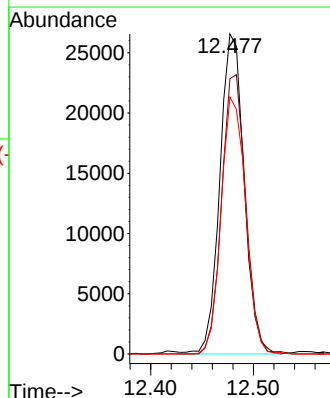
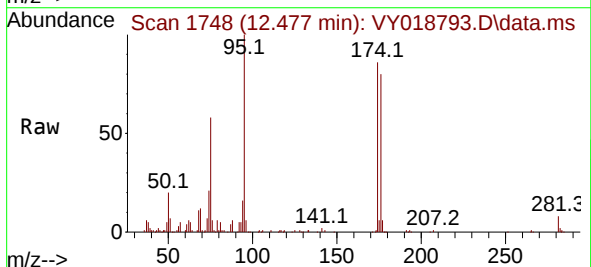
Tgt Ion: 95 Resp: 43418

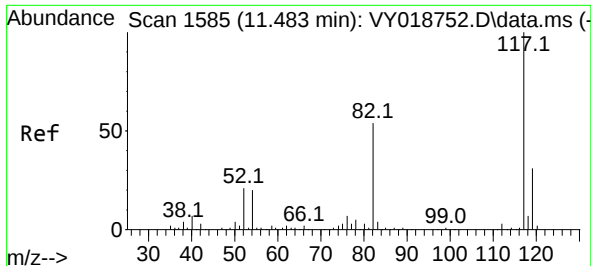
Ion Ratio Lower Upper

95 100

174 86.9 0.0 175.6

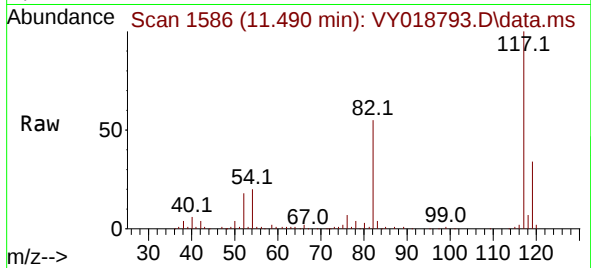
176 81.0 0.0 171.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 112038
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

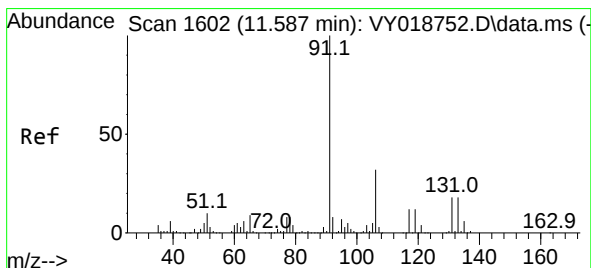
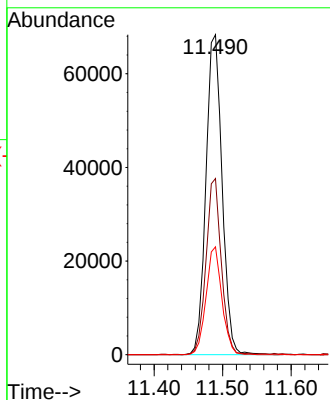
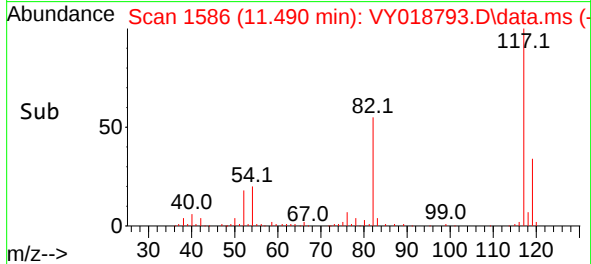
Instrument :
MSVOA_Y
ClientSampleId :
COMP(00187-00189-00186)RE



Tgt Ion:117 Resp: 112038
Ion Ratio Lower Upper
117 100
82 55.0 42.4 63.6
119 33.7 25.9 38.9

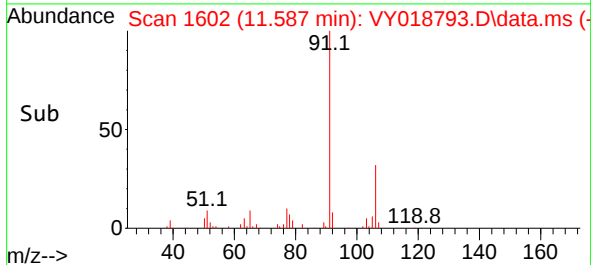
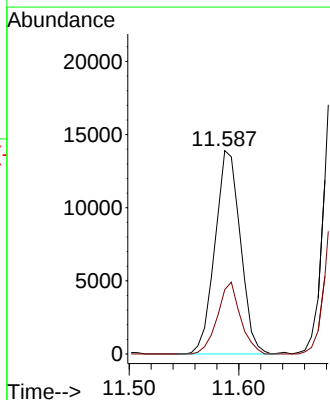
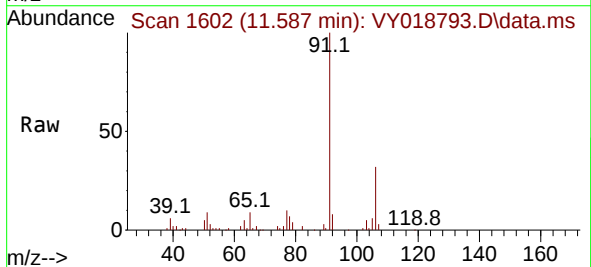
Manual Integrations
APPROVED

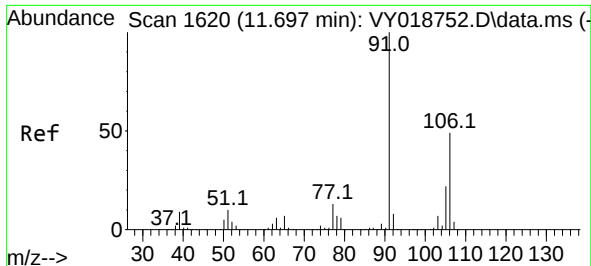
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#67
Ethyl Benzene
Concen: 5.413 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

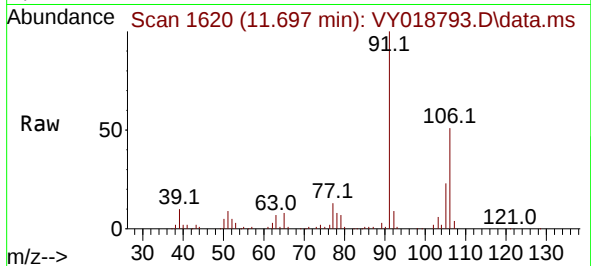
Tgt Ion: 91 Resp: 22411
Ion Ratio Lower Upper
91 100
106 31.7 24.5 36.7





#68
m/p-Xylenes
Concen: 21.168 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

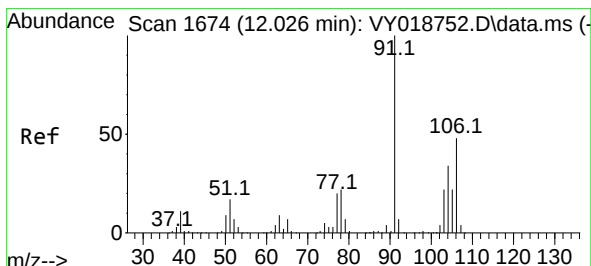
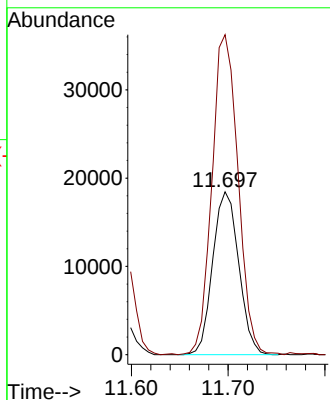
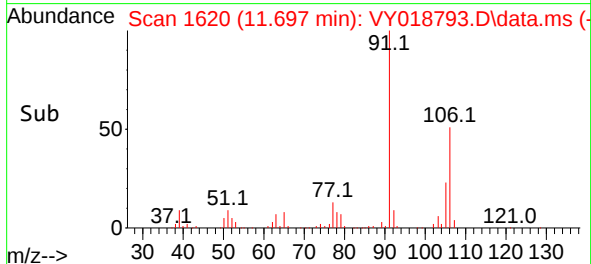
Instrument :
MSVOA_Y
ClientSampleId :
COMP(00187-00189-00186)RE



Tgt Ion:106 Resp: 34392
Ion Ratio Lower Upper
106 100
91 197.4 156.0 234.0

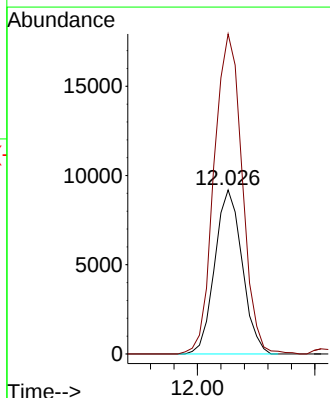
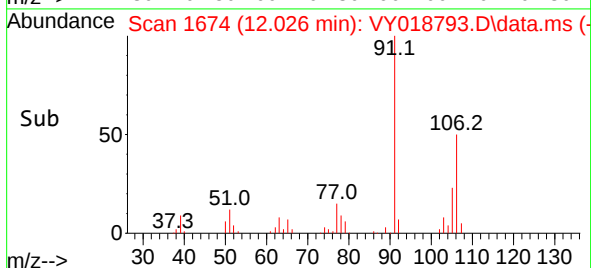
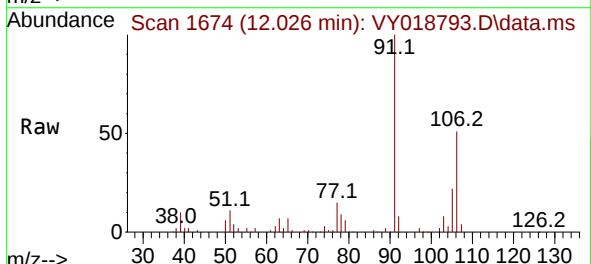
Manual Integrations
APPROVED

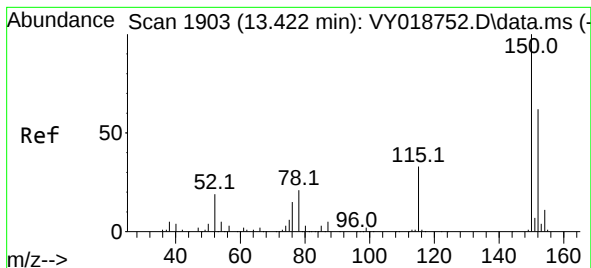
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#69
o-Xylene
Concen: 9.738 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

Tgt Ion:106 Resp: 14875
Ion Ratio Lower Upper
106 100
91 200.6 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018793.D

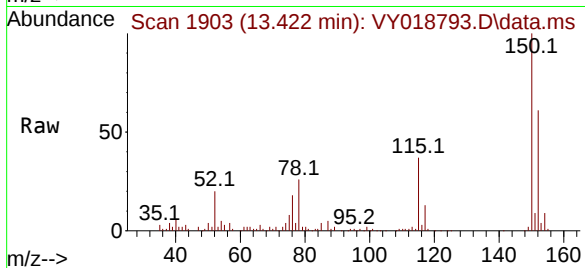
Acq: 12 Jul 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

COMP(00187-00189-00186)RE

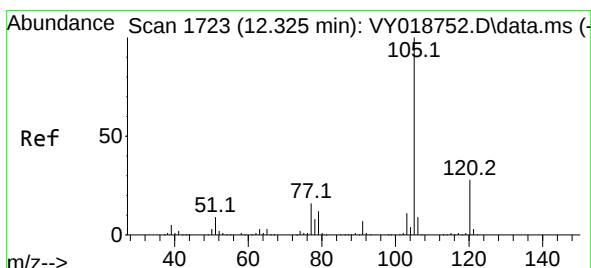
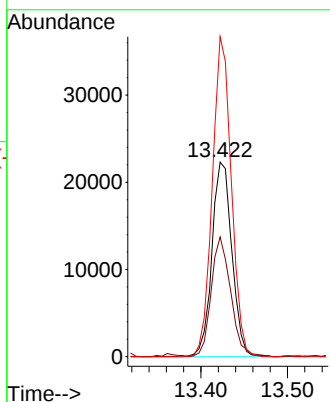
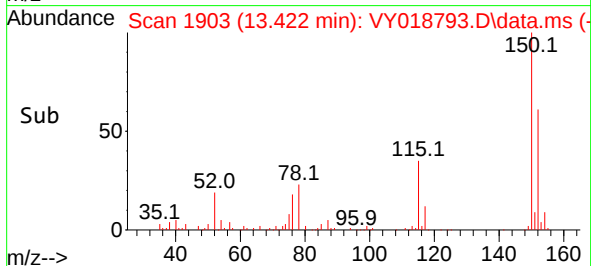


Tgt Ion:	152	Resp:	3570
Ion Ratio	Lower	Upper	
152	100		
115	60.0	28.2	84.7
150	156.1	0.0	345.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#73

Isopropylbenzene

Concen: 1.718 ug/l

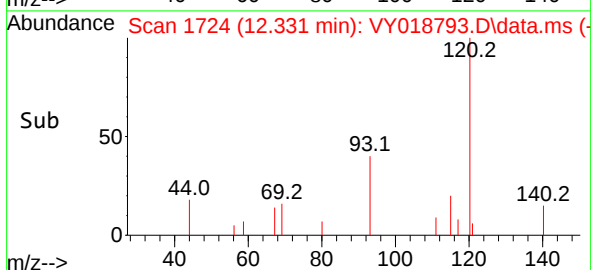
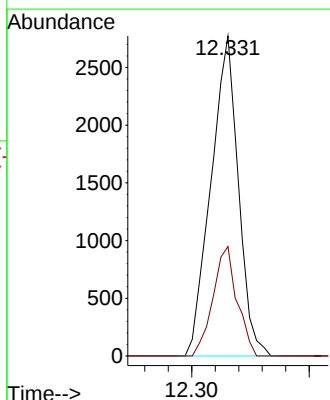
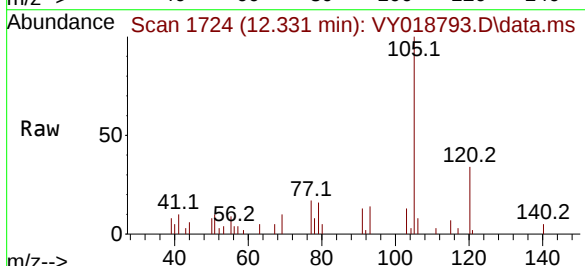
RT: 12.331 min Scan# 1724

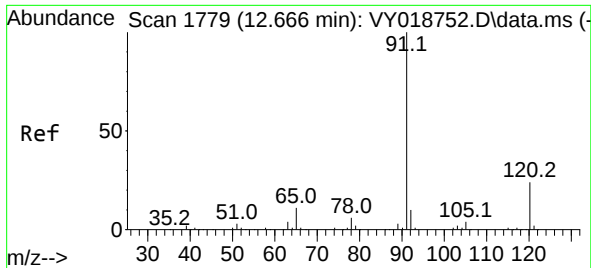
Delta R.T. 0.006 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

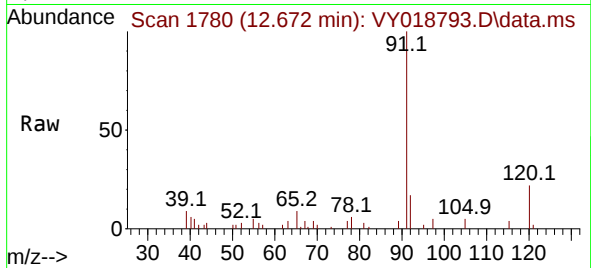
Tgt Ion:	105	Resp:	4490
Ion Ratio	Lower	Upper	
105	100		
120	30.1	13.4	40.1





#78
n-propylbenzene
Concen: 2.045 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

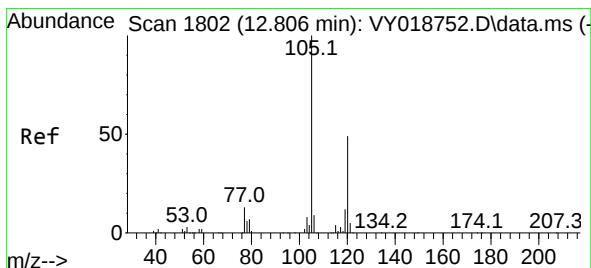
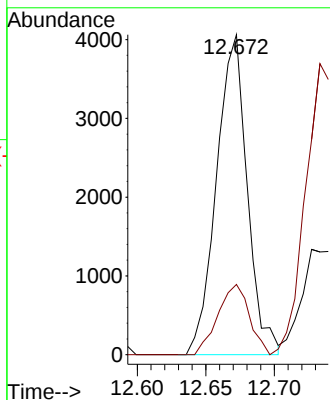
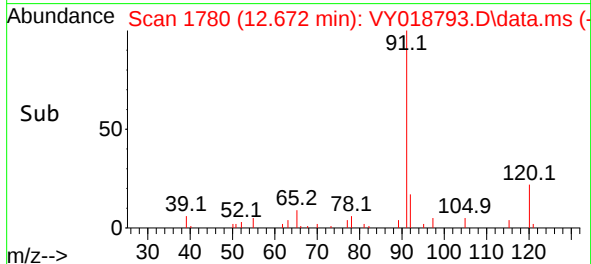
Instrument : MSVOA_Y
ClientSampleId : COMP(00187-00189-00186)RE



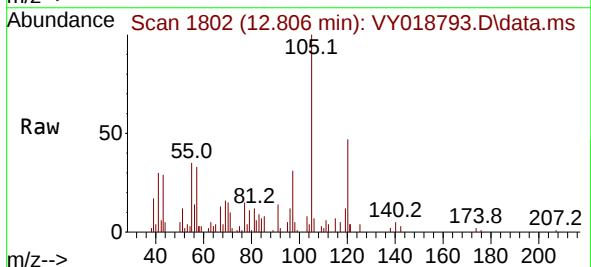
Tgt Ion: 91 Resp: 6340
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.4

Manual Integrations
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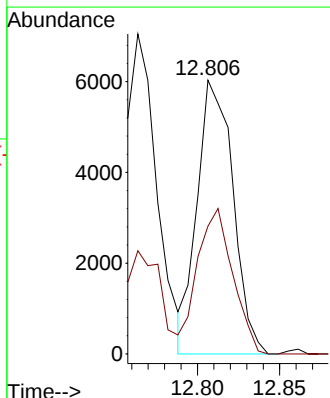
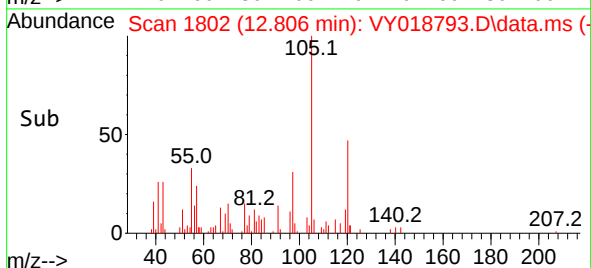
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

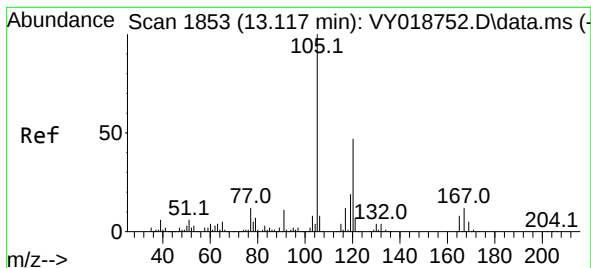


#80
1,3,5-Trimethylbenzene
Concen: 4.270 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25



Tgt Ion:105 Resp: 9129
Ion Ratio Lower Upper
105 100
120 52.7 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 13.887 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018793.D

Acq: 12 Jul 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

COMP(00187-00189-00186)RE

Tgt Ion:105 Resp: 2950

Ion Ratio Lower Upper

105 100

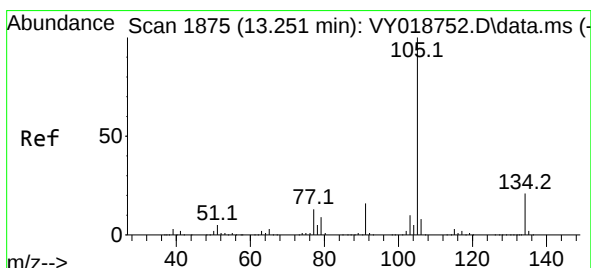
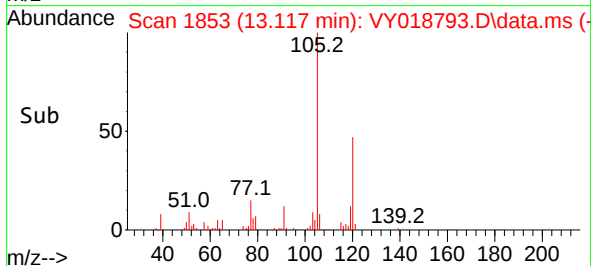
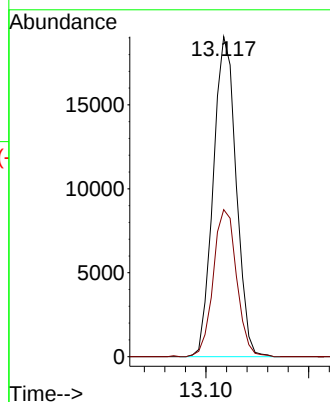
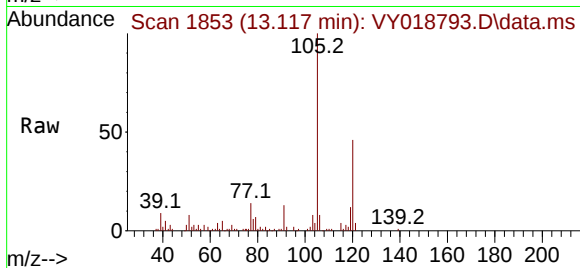
120 46.8 23.2 69.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024

Supervised By :Semsettin Yesilyurt 07/15/2024



#85

sec-Butylbenzene

Concen: 2.325 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018793.D

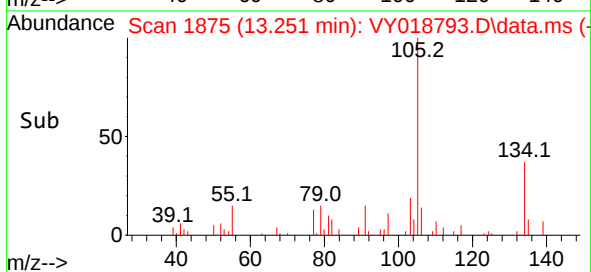
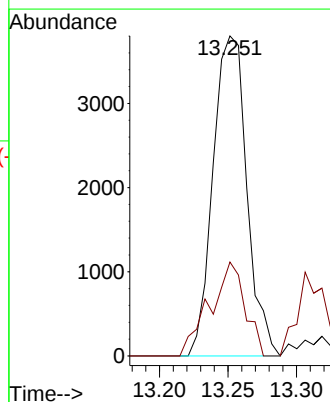
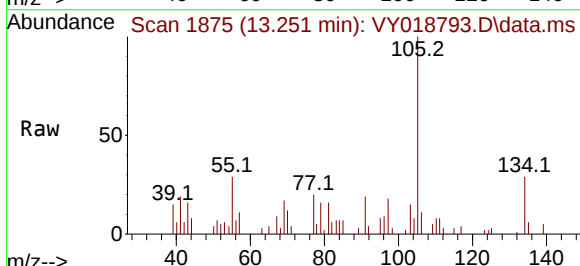
Acq: 12 Jul 2024 13:25

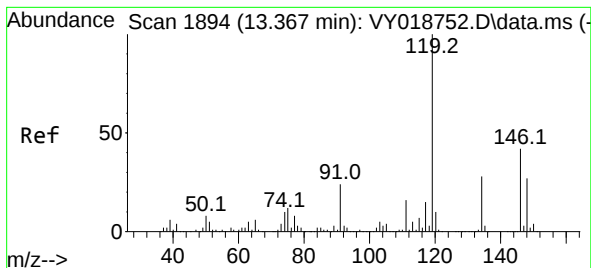
Tgt Ion:105 Resp: 6515

Ion Ratio Lower Upper

105 100

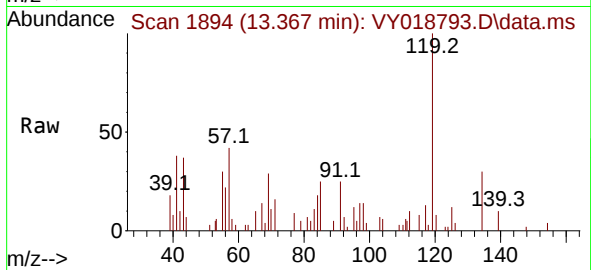
134 30.5 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 1.779 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

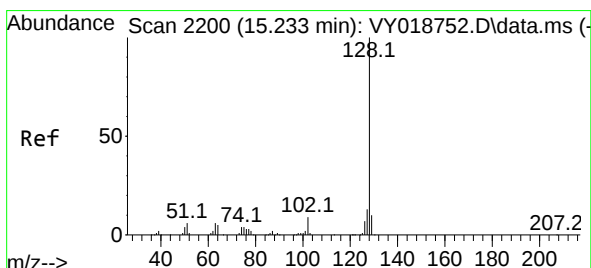
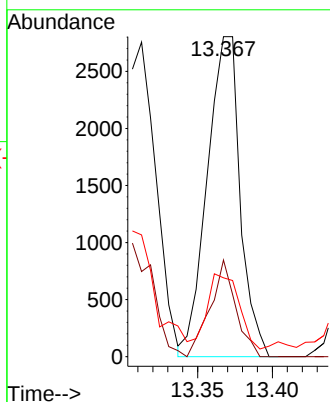
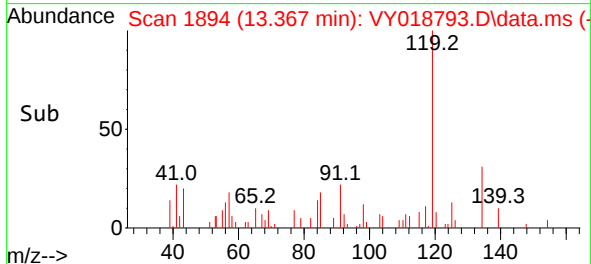
Instrument : MSVOA_Y
ClientSampleId : COMP(00187-00189-00186)RE



Tgt Ion:119 Resp: 4302
Ion Ratio Lower Upper
119 100
134 23.5 13.1 39.3
91 22.5 10.7 32.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#95
Naphthalene
Concen: 7.427 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY018793.D
Acq: 12 Jul 2024 13:25

Tgt Ion:128 Resp: 8231
Ion Ratio Lower Upper
128 100
127 23.0 10.6 16.0#
129 11.0 8.6 13.0

