

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021909.D
 Acq On : 17 Apr 2025 14:28
 Operator : SY/MD
 Sample : Q1825-04
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10

Quant Time: Apr 18 03:58:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025
 Supervised By :Semsettin Yesilyurt 04/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	223481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	387107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121228	50.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.140%			
35) Dibromofluoromethane	7.634	113	136008	50.870	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.740%			
50) Toluene-d8	10.103	98	510015	50.143	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.280%			
62) 4-Bromofluorobenzene	12.402	95	179966	52.310	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.620%			
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	4268	8.613	ug/l	90
52) Toluene	10.170	92	28111	3.694	ug/l	99
67) Ethyl Benzene	11.518	91	527004	34.634	ug/l	100
68) m/p-Xylenes	11.627	106	103413	17.748	ug/l	100
69) o-Xylene	11.950	106	252448	46.935	ug/l	98
73) Isopropylbenzene	12.255	105	74369	5.799	ug/l	99
78) n-propylbenzene	12.597	91	135853	8.812	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	289192	27.593	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	584398	56.417	ug/l	99
85) sec-Butylbenzene	13.176	105	70244	5.149	ug/l #	67
86) p-Isopropyltoluene	13.292	119	96337	8.544	ug/l	100
89) n-Butylbenzene	13.615	91	52293m	5.015	ug/l	

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

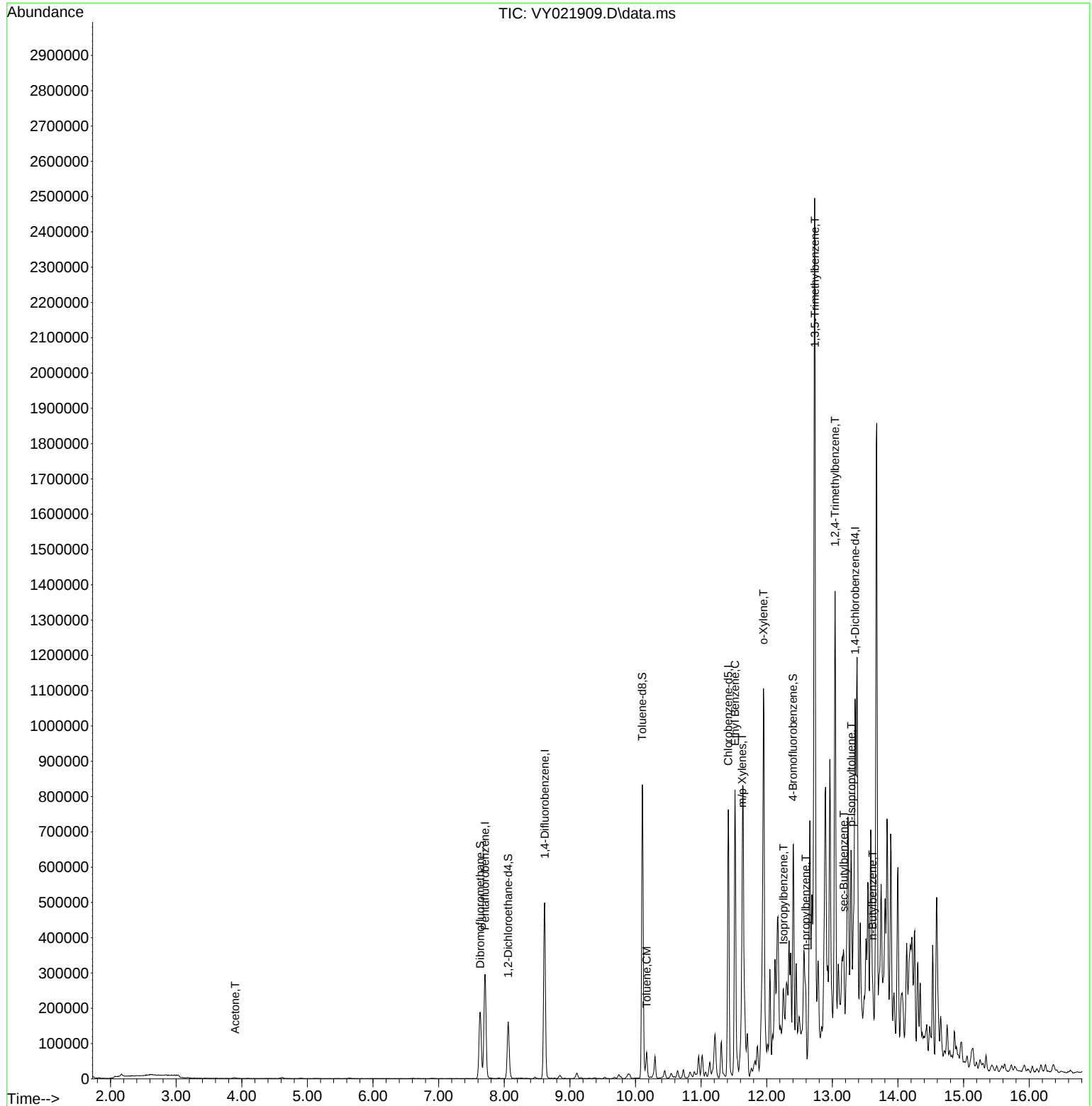
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
Data File : VY021909.D
Acq On : 17 Apr 2025 14:28
Operator : SY/MD
Sample : Q1825-04
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
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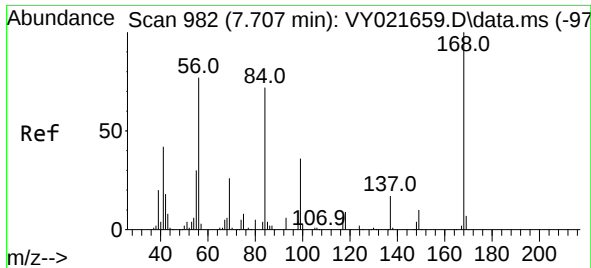
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

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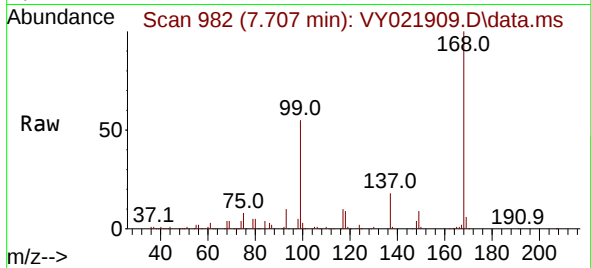
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

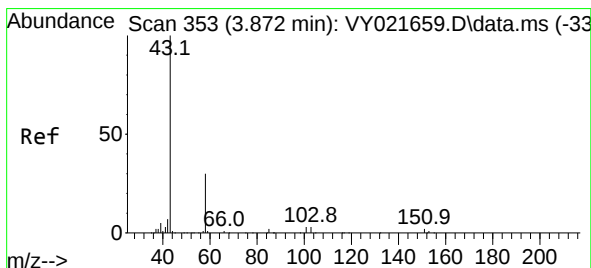
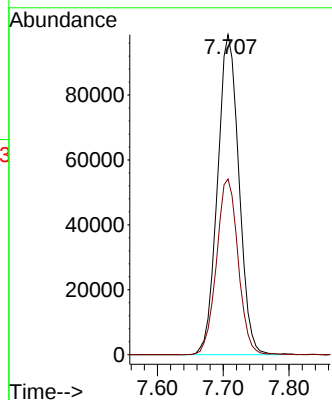
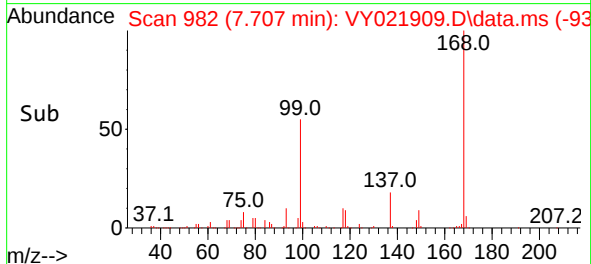
Instrument :
MSVOA_Y
ClientSampleId :
TP-10



Tgt Ion:168 Resp: 22348
Ion Ratio Lower Upper
168 100
99 54.9 46.7 70.1

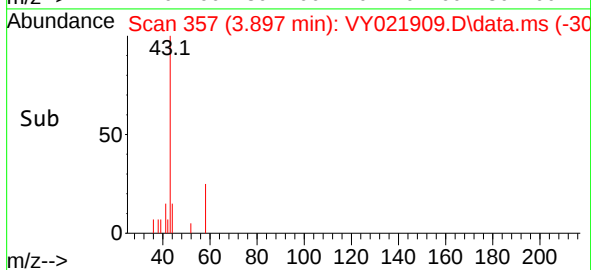
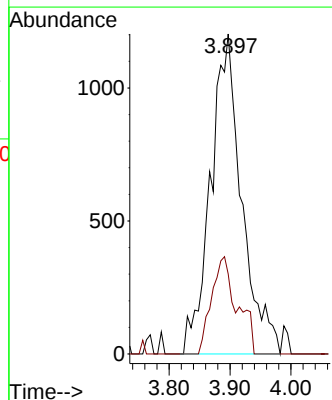
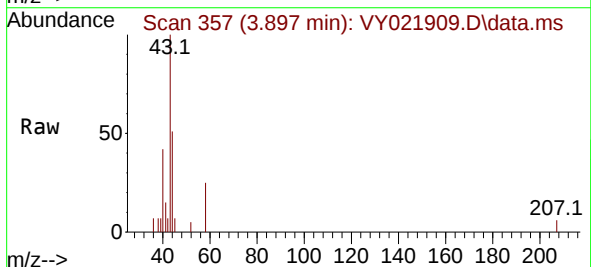
Manual Integrations
APPROVED

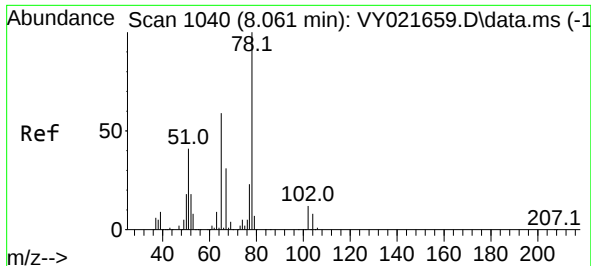
Reviewed By :Mahesh Dadoda 04/18/2025
Supervised By :Semsettin Yesilyurt 04/18/2025



#16
Acetone
Concen: 8.613 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.025 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

Tgt Ion: 43 Resp: 4268
Ion Ratio Lower Upper
43 100
58 25.0 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 50.066 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021909.D

Acq: 17 Apr 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-10

Tgt Ion: 65 Resp: 121228

Ion Ratio Lower Upper

65 100

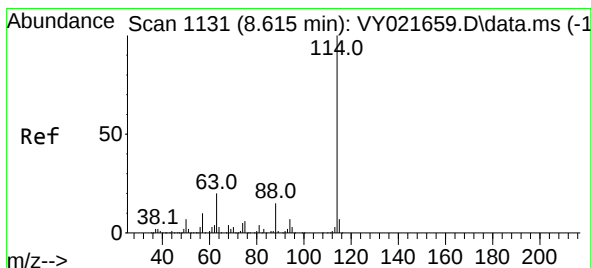
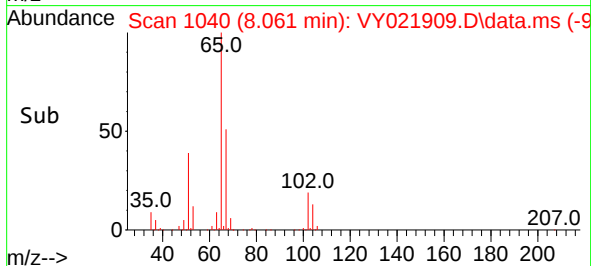
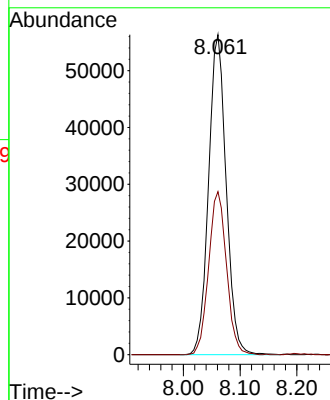
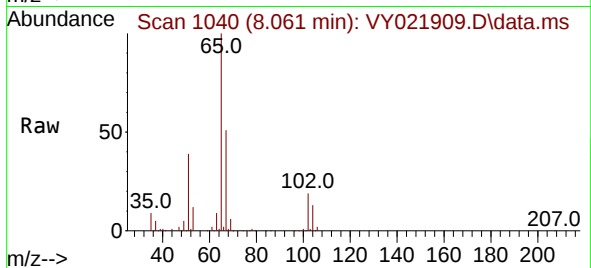
67 51.8 0.0 104.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021909.D

Acq: 17 Apr 2025 14:28

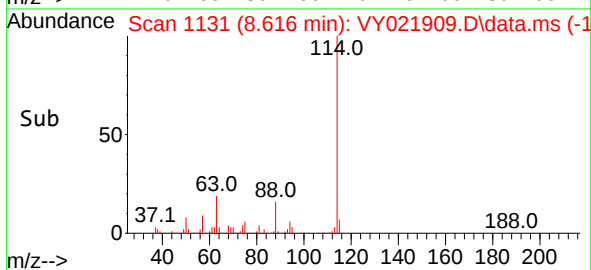
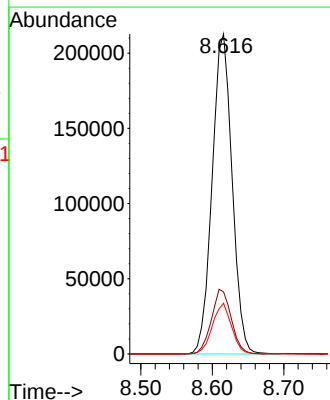
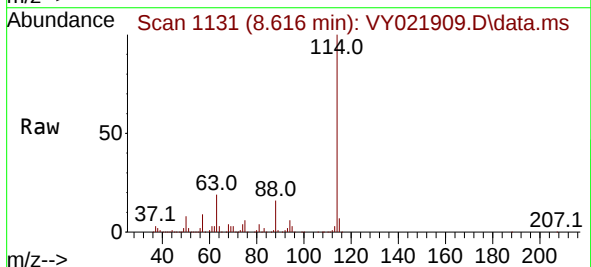
Tgt Ion:114 Resp: 412160

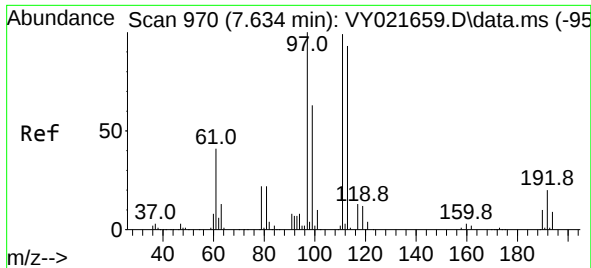
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.2

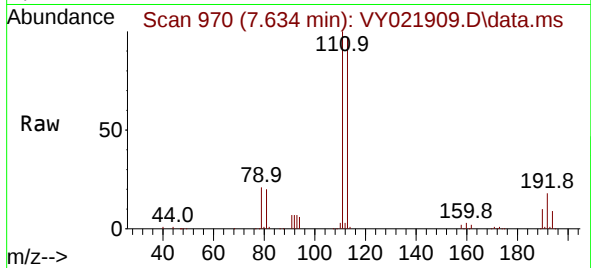
88 15.8 0.0 29.8





#35
Dibromofluoromethane
Concen: 50.870 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

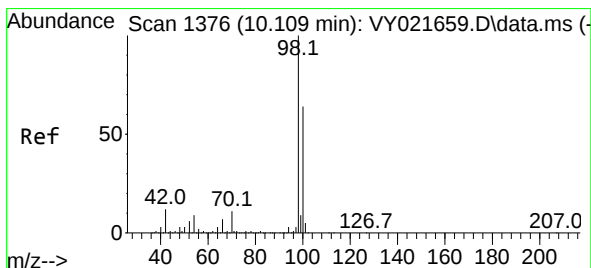
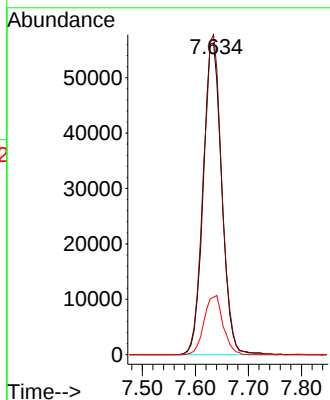
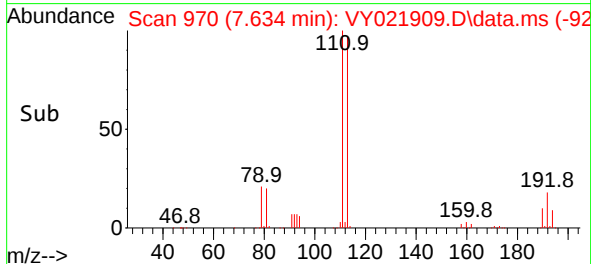
Instrument :
MSVOA_Y
ClientSampleId :
TP-10



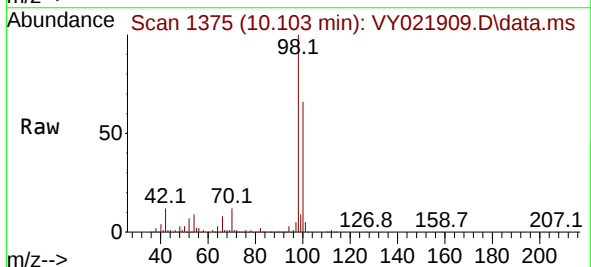
Tgt Ion:113 Resp: 136008
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.5 16.2 24.4

Manual Integrations
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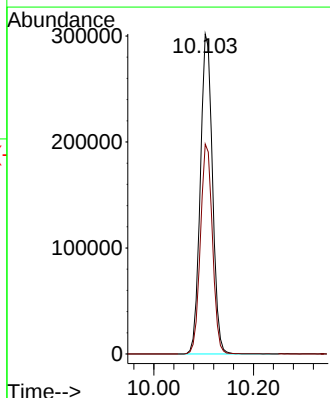
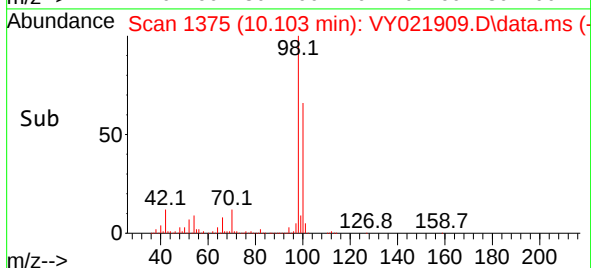
Reviewed By :Mahesh Dadoda 04/18/2025
Supervised By :Semsettin Yesilyurt 04/18/2025

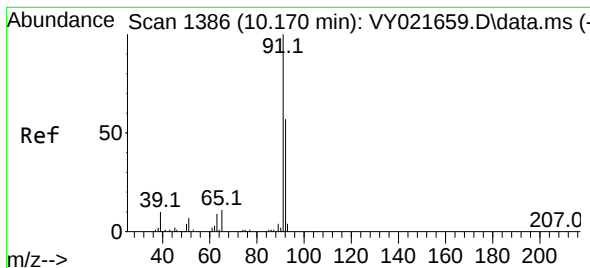


#50
Toluene-d8
Concen: 50.143 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28



Tgt Ion: 98 Resp: 510015
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#52

Toluene

Concen: 3.694 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021909.D

Acq: 17 Apr 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-10

Tgt Ion: 92 Resp: 2811

Ion Ratio Lower Upper

92 100

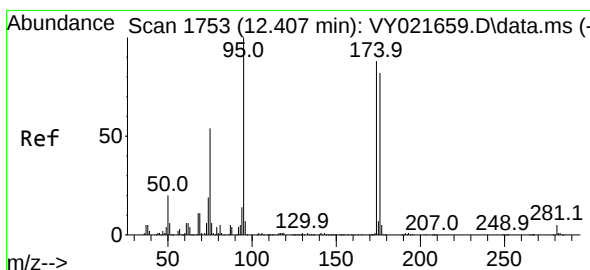
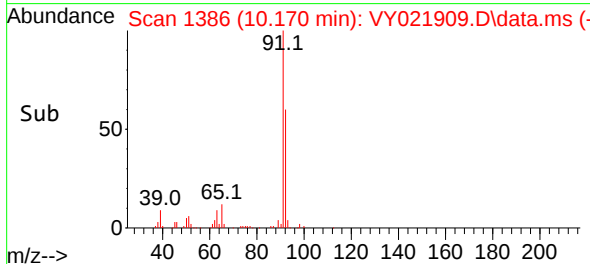
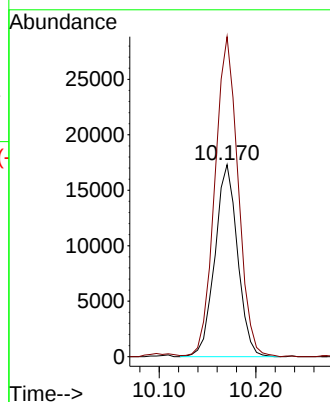
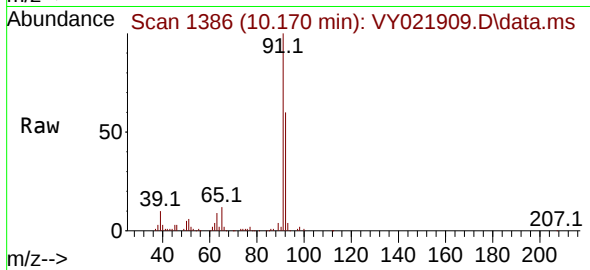
91 171.5 138.6 207.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/18/2025

Supervised By :Semsettin Yesilyurt 04/18/2025



#62

4-Bromofluorobenzene

Concen: 52.310 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY021909.D

Acq: 17 Apr 2025 14:28

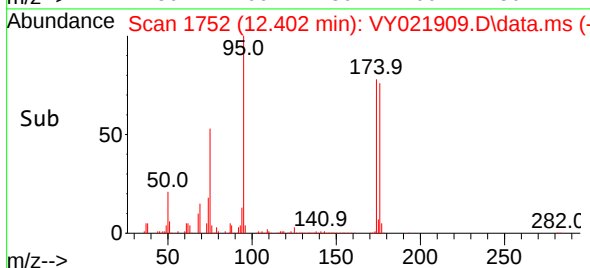
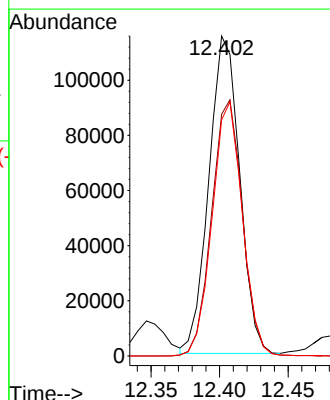
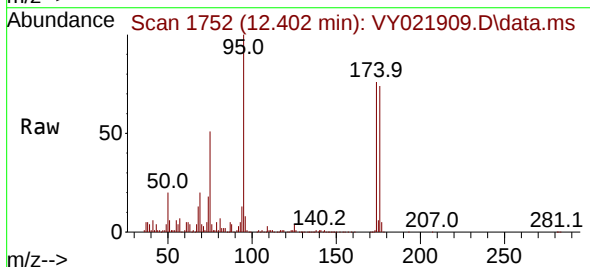
Tgt Ion: 95 Resp: 179966

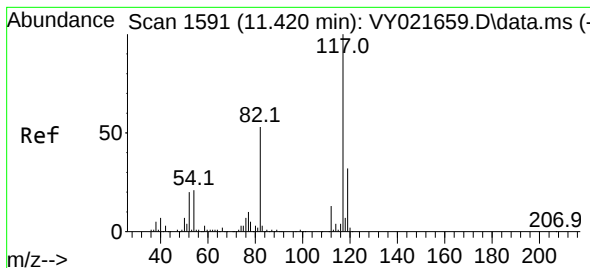
Ion Ratio Lower Upper

95 100

174 80.6 0.0 170.8

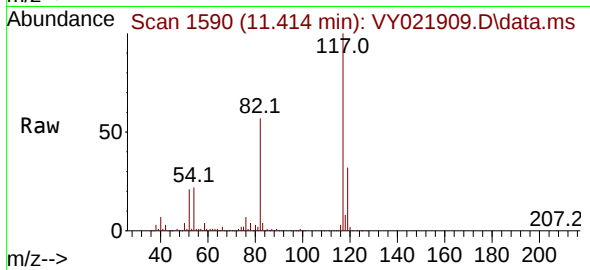
176 78.7 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

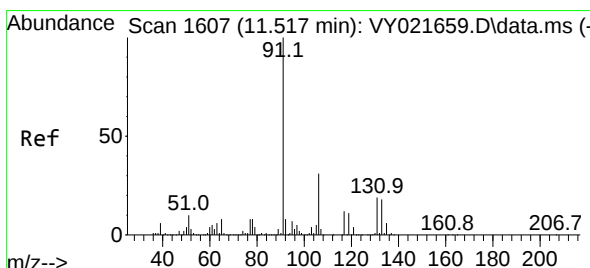
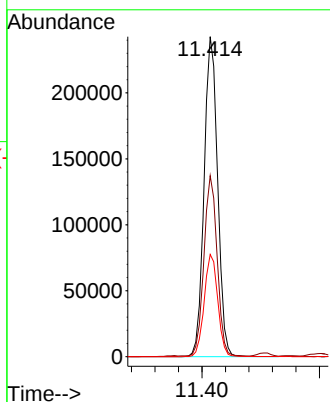
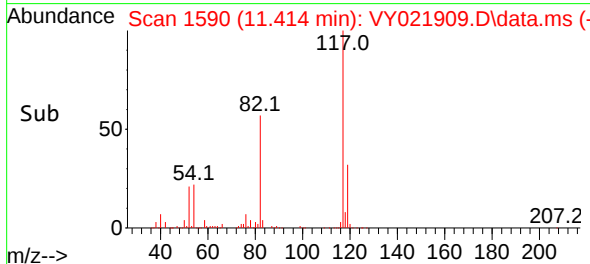
Instrument :
MSVOA_Y
ClientSampleId :
TP-10



Tgt Ion:117 Resp: 38710
Ion Ratio Lower Upper
117 100
82 56.4 42.8 64.2
119 32.0 25.7 38.5

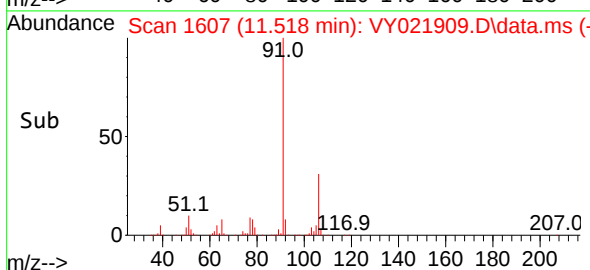
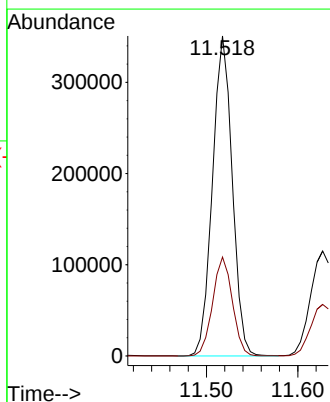
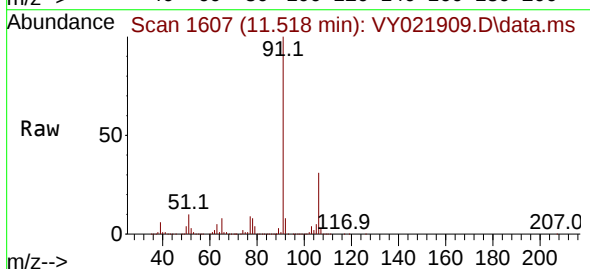
Manual Integrations
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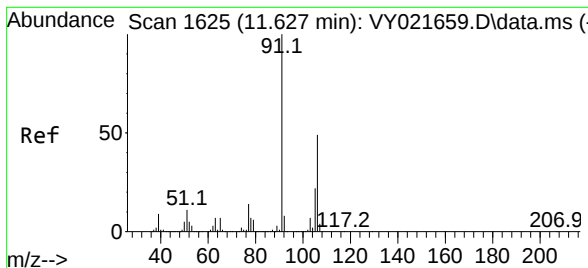
Reviewed By :Mahesh Dadoda 04/18/2025
Supervised By :Semsettin Yesilyurt 04/18/2025



#67
Ethyl Benzene
Concen: 34.634 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

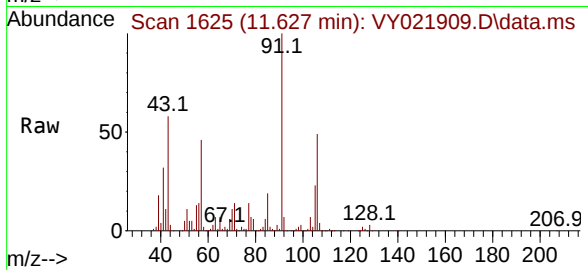
Tgt Ion: 91 Resp: 527004
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8





#68
m/p-Xylenes
Concen: 17.748 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

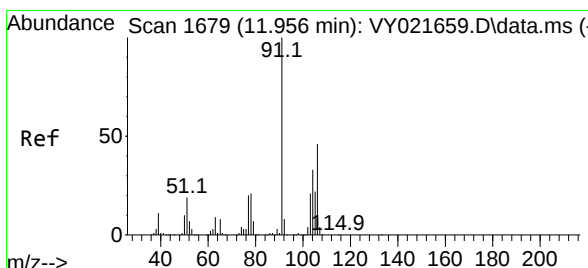
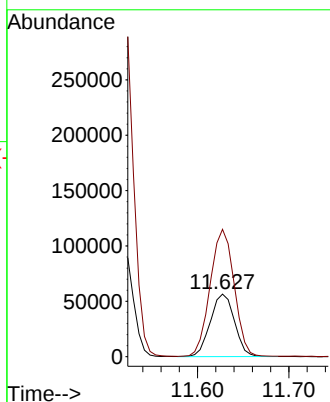
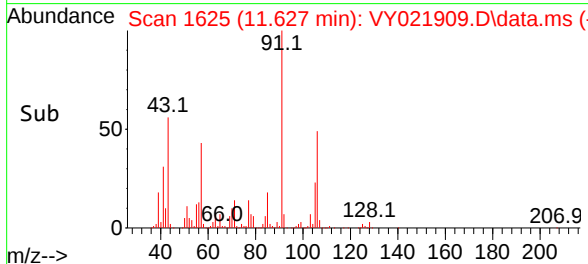
Instrument :
MSVOA_Y
ClientSampleId :
TP-10



Tgt Ion:106 Resp: 10341
Ion Ratio Lower Upper
106 100
91 202.3 162.4 243.6

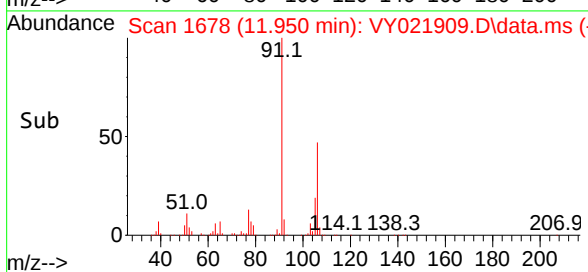
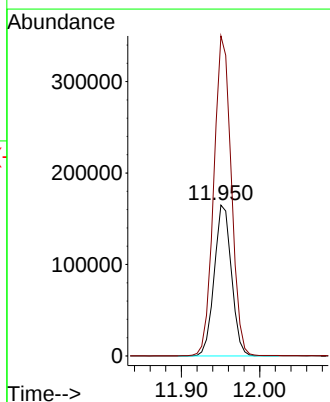
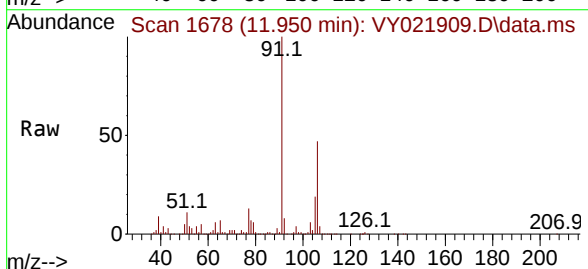
Manual Integrations
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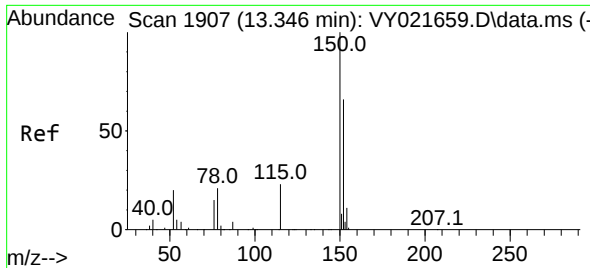
Reviewed By :Mahesh Dadoda 04/18/2025
Supervised By :Semsettin Yesilyurt 04/18/2025



#69
o-Xylene
Concen: 46.935 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

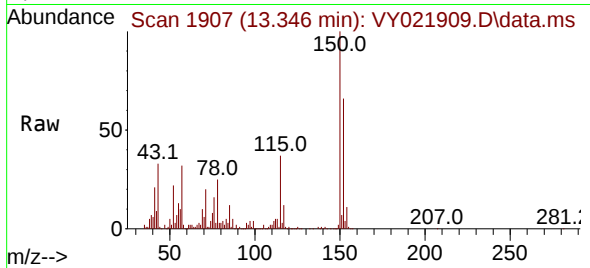
Tgt Ion:106 Resp: 252448
Ion Ratio Lower Upper
106 100
91 215.8 106.7 319.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

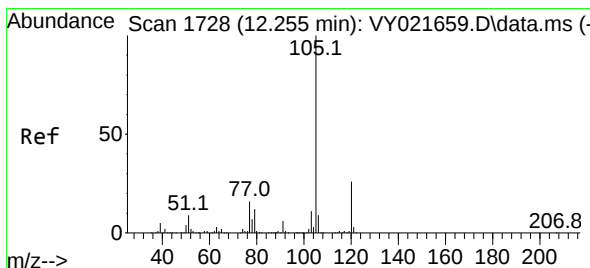
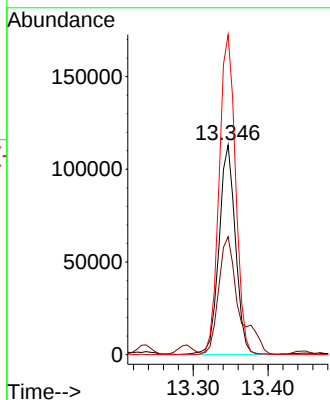
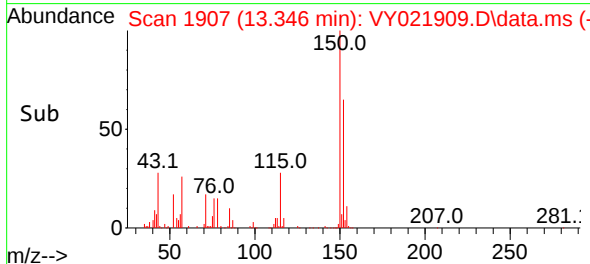
Instrument :
MSVOA_Y
ClientSampleId :
TP-10



Tgt Ion:152 Resp: 172652
Ion Ratio Lower Upper
152 100
115 69.0 28.8 86.5
150 153.0 0.0 348.4

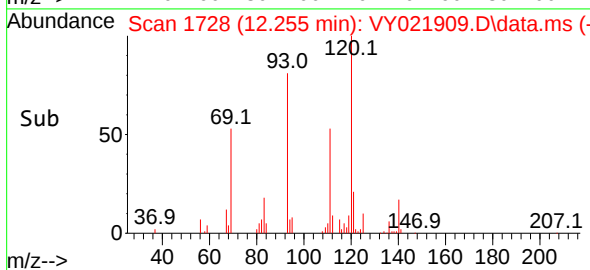
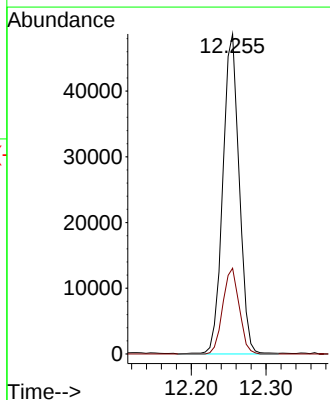
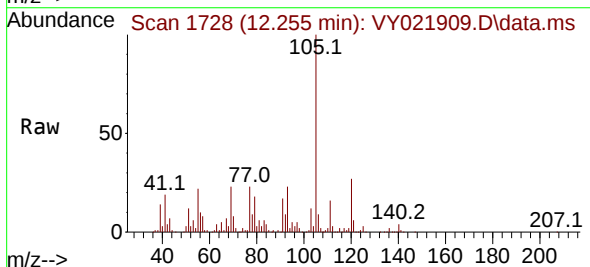
Manual Integrations
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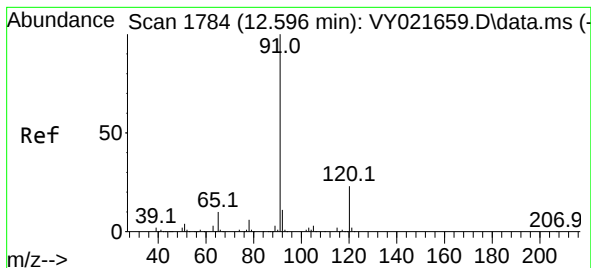
Reviewed By :Mahesh Dadoda 04/18/2025
Supervised By :Semsettin Yesilyurt 04/18/2025



#73
Isopropylbenzene
Concen: 5.799 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

Tgt Ion:105 Resp: 74369
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5





#78

n-propylbenzene

Concen: 8.812 ug/l

RT: 12.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021909.D

Acq: 17 Apr 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-10

Tgt Ion: 91 Resp: 13585

Ion Ratio Lower Upper

91 100

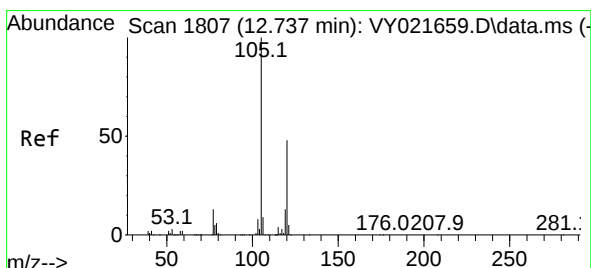
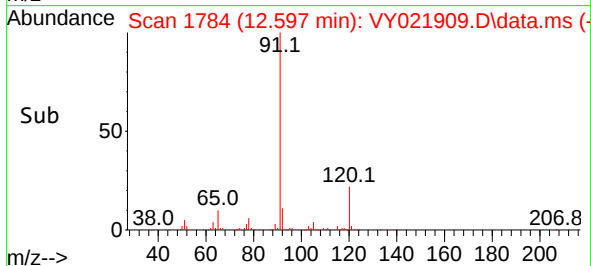
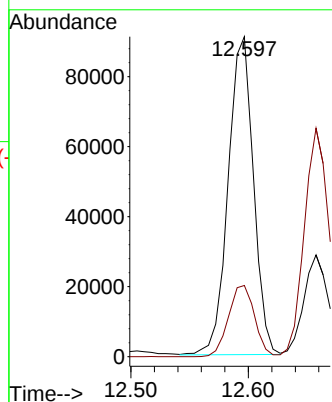
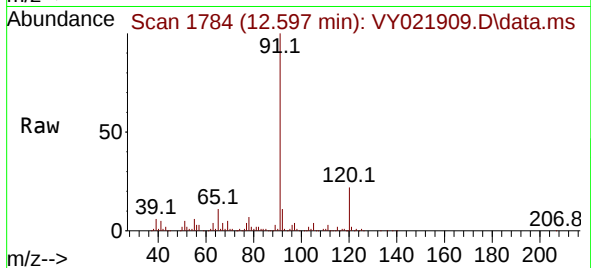
120 23.1 11.3 33.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025

Supervised By :Semsettin Yesilyurt 04/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 27.593 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021909.D

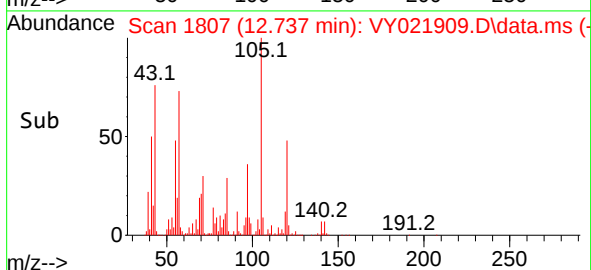
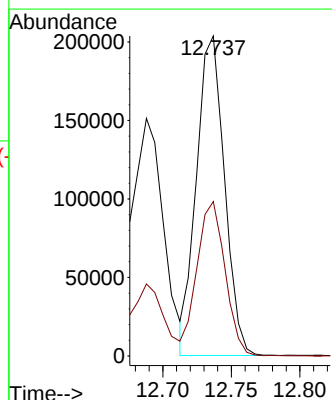
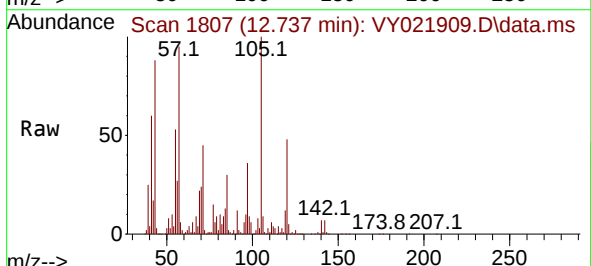
Acq: 17 Apr 2025 14:28

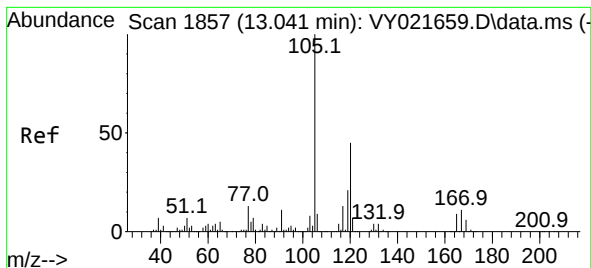
Tgt Ion:105 Resp: 289192

Ion Ratio Lower Upper

105 100

120 48.8 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 56.417 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021909.D

Acq: 17 Apr 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-10

Tgt Ion:105 Resp: 584398

Ion Ratio Lower Upper

105 100

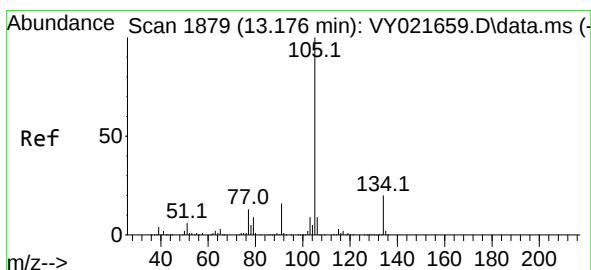
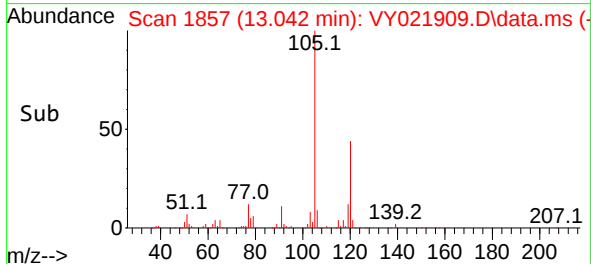
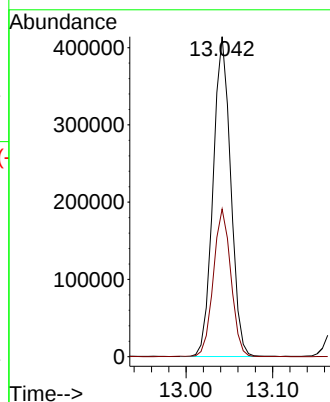
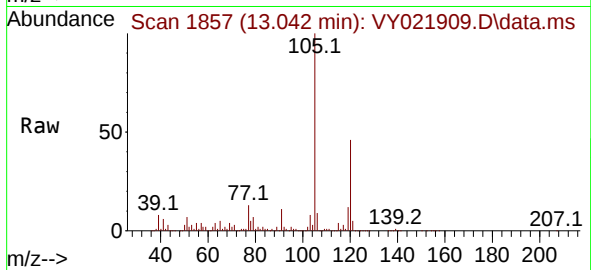
120 46.2 22.7 68.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025

Supervised By :Semsettin Yesilyurt 04/18/2025



#85

sec-Butylbenzene

Concen: 5.149 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021909.D

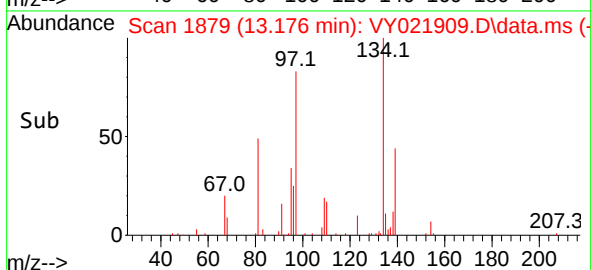
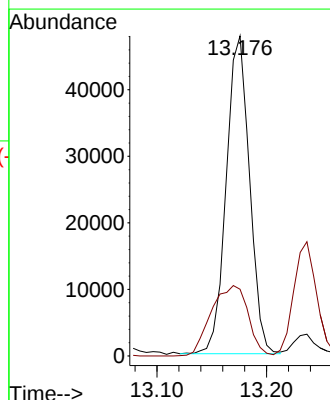
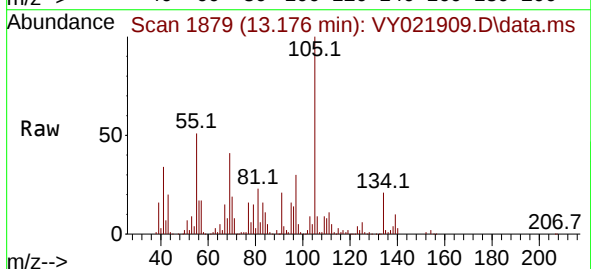
Acq: 17 Apr 2025 14:28

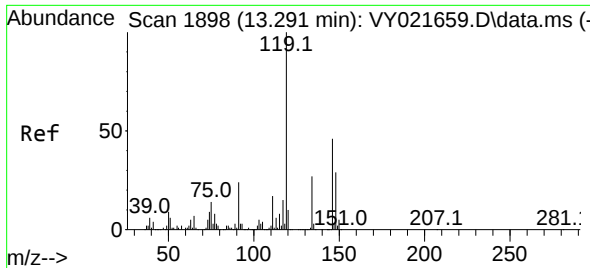
Tgt Ion:105 Resp: 70244

Ion Ratio Lower Upper

105 100

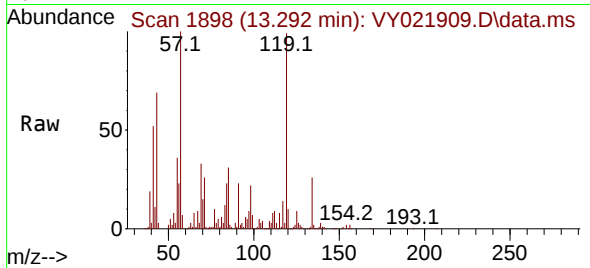
134 35.2 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 8.544 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28

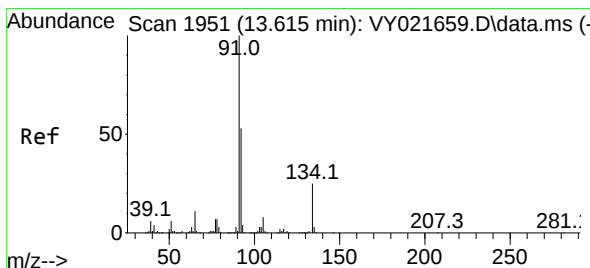
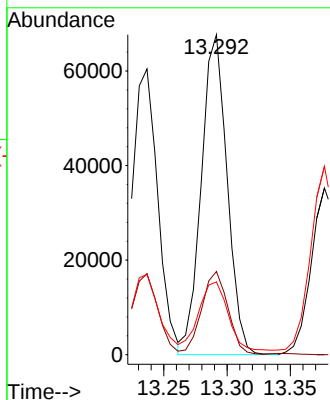
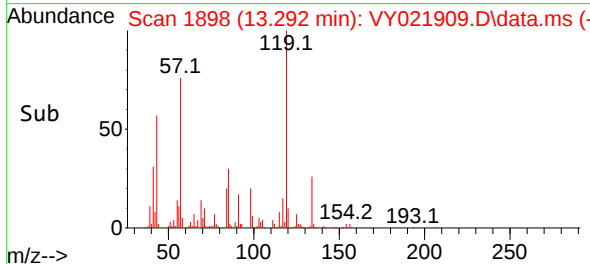
Instrument :
MSVOA_Y
ClientSampleId :
TP-10



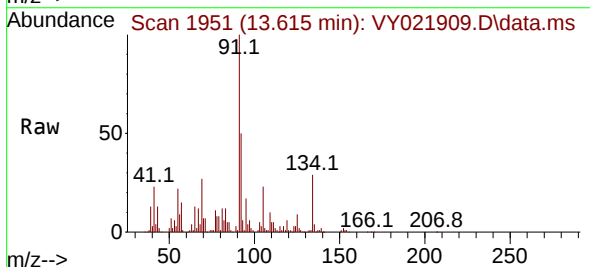
Tgt Ion: 119 Resp: 9633
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 23.7 12.0 36.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025
Supervised By :Semsettin Yesilyurt 04/18/2025



#89
n-Butylbenzene
Concen: 5.015 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021909.D
Acq: 17 Apr 2025 14:28



Tgt Ion: 91 Resp: 52293
Ion Ratio Lower Upper
91 100
92 68.7 26.4 79.2
134 0.0 12.8 38.4

