

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023262.D
 Acq On : 02 Sep 2025 14:00
 Operator : SY/MD
 Sample : Q2997-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-082925

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 03:30:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	552348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1034496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1014555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	473920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	293227	55.702	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.400%			
35) Dibromofluoromethane	7.634	113	335550	54.208	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.420%			
50) Toluene-d8	10.109	98	1257159	51.987	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.401	95	432383	55.598	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.200%			
Target Compounds					Qvalue	
68) m/p-Xylenes	11.627	106	51455	3.498	ug/l	99
69) o-Xylene	11.950	106	122065	8.861	ug/l	100
73) Isopropylbenzene	12.249	105	49550	1.481	ug/l	98
78) n-propylbenzene	12.590	91	132718	3.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	832075	30.780	ug/l	96
84) 1,2,4-Trimethylbenzene	13.041	105	840998	31.252	ug/l	97
85) sec-Butylbenzene	13.170	105	201130	5.608	ug/l	85
86) p-Isopropyltoluene	13.285	119	177819	5.973	ug/l	99
89) n-Butylbenzene	13.615	91	122368m	4.475	ug/l	

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

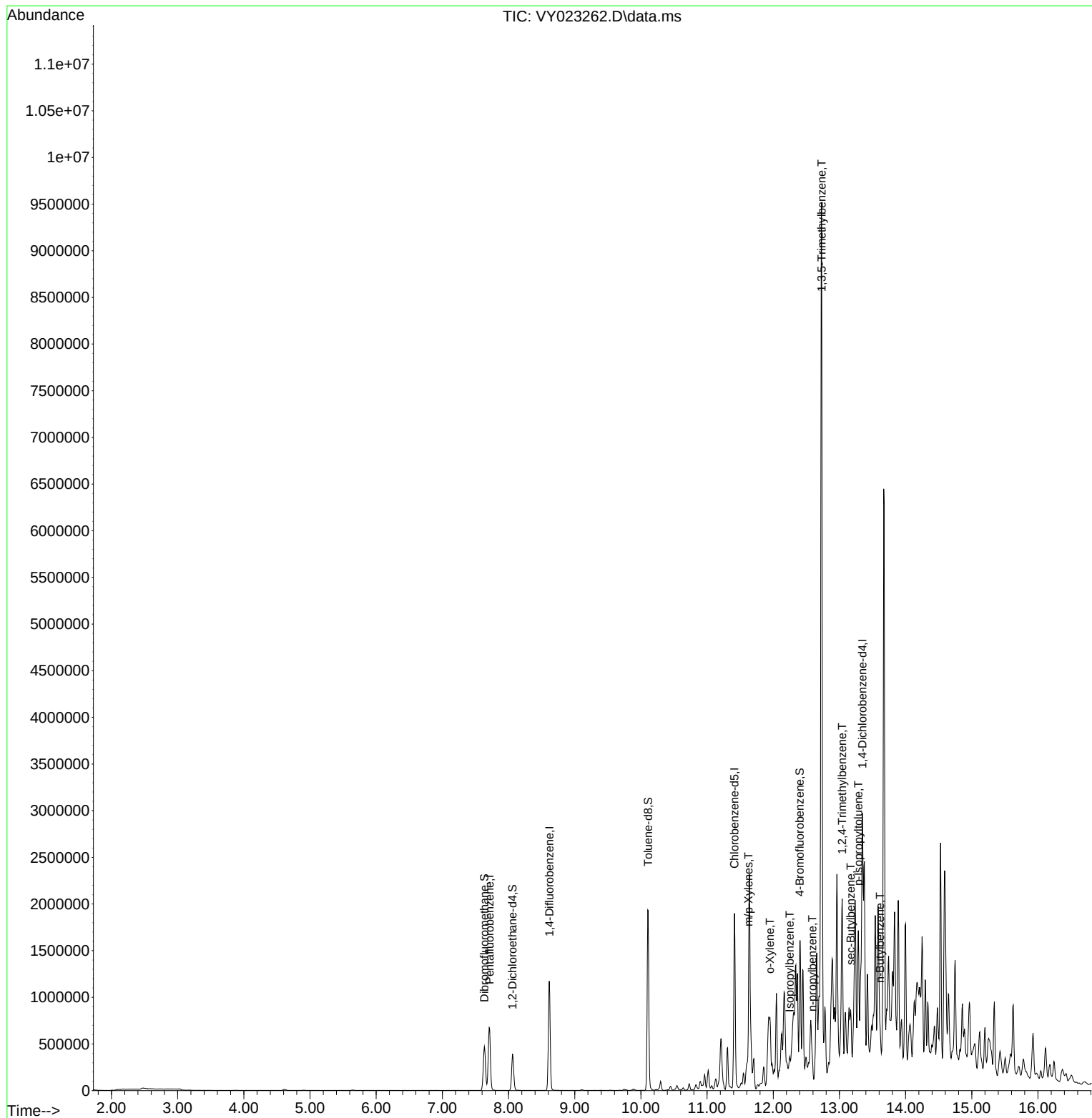
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
Data File : VY023262.D
Acq On : 02 Sep 2025 14:00
Operator : SY/MD
Sample : Q2997-01
Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

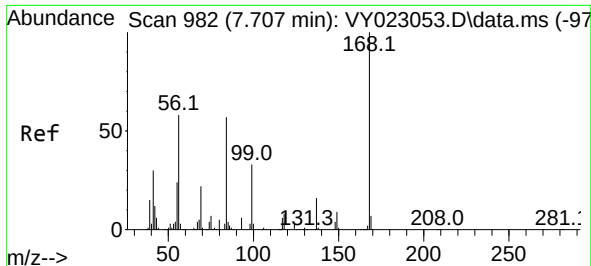
Instrument :
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EO-01-082925

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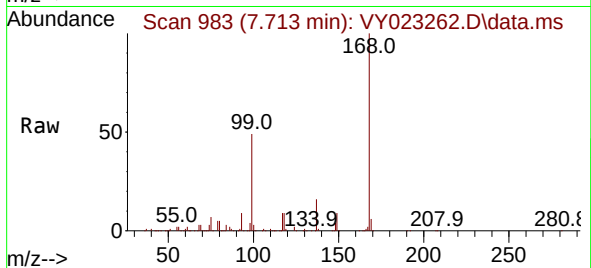
Quant Time: Sep 03 03:30:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

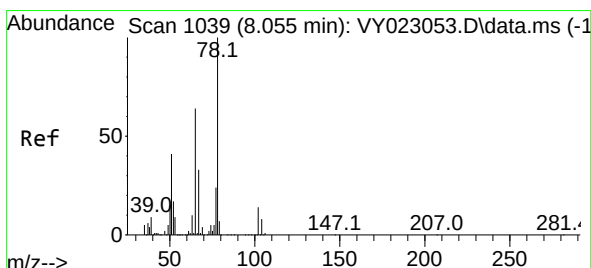
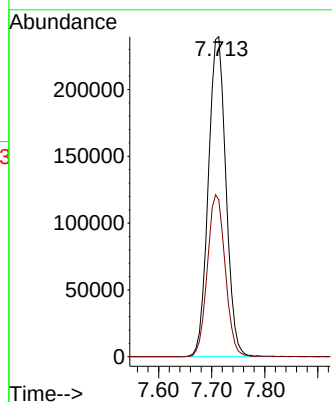
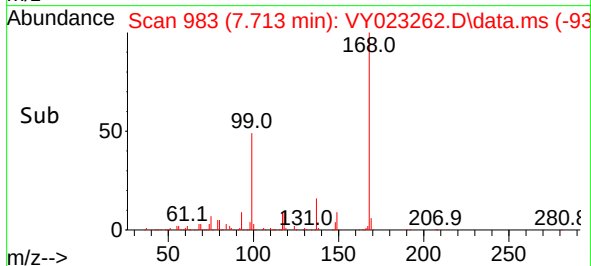
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-082925



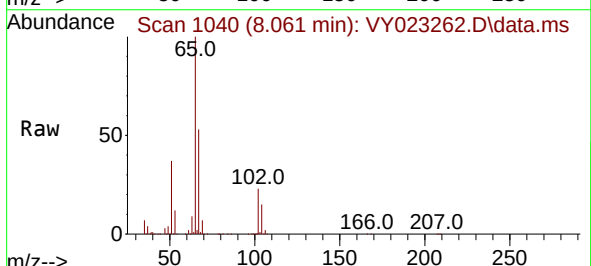
Tgt Ion:168 Resp: 552348
Ion Ratio Lower Upper
168 100
99 49.1 42.8 64.2

Manual Integrations
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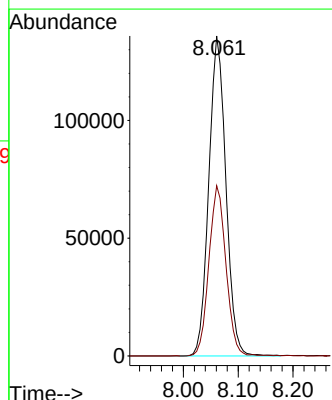
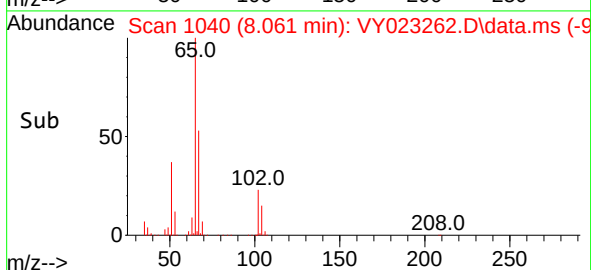
Reviewed By :Mahesh Dadoda 09/03/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

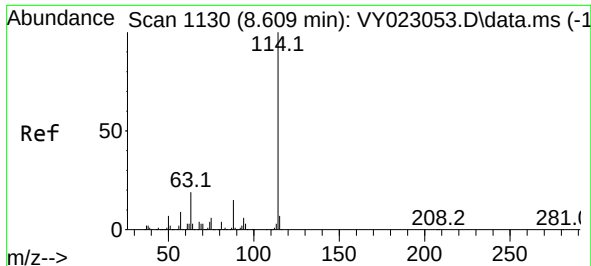


#33
1,2-Dichloroethane-d4
Concen: 55.702 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00



Tgt Ion: 65 Resp: 293227
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023262.D

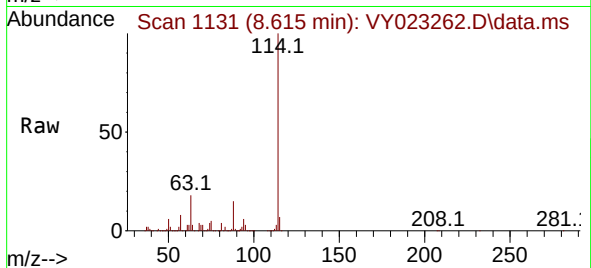
Acq: 02 Sep 2025 14:00

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-082925



Tgt Ion:114 Resp: 1034490

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

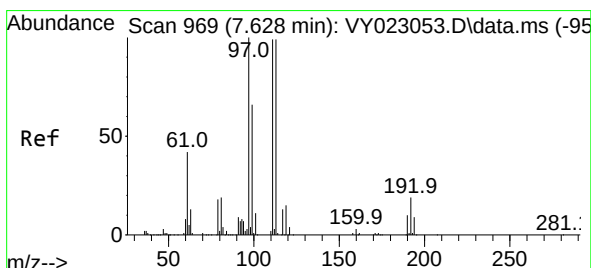
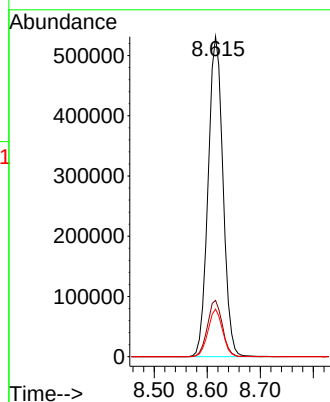
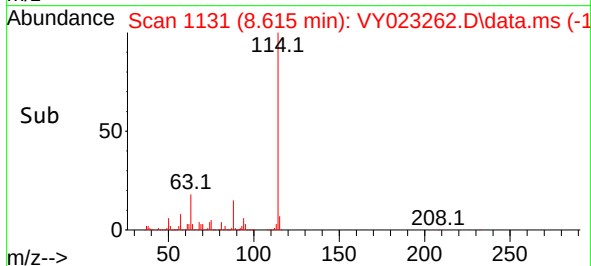
88 14.9 0.0 30.0

Manual Integrations

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#35

Dibromofluoromethane

Concen: 54.208 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023262.D

Acq: 02 Sep 2025 14:00

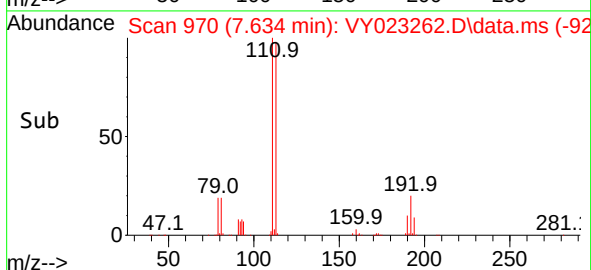
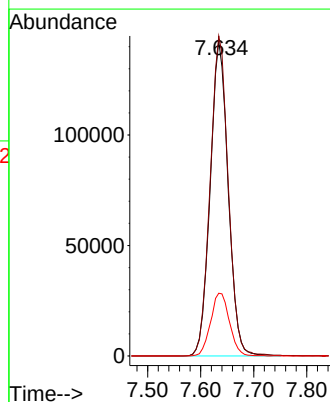
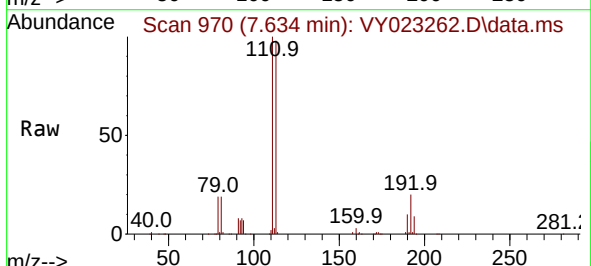
Tgt Ion:113 Resp: 335550

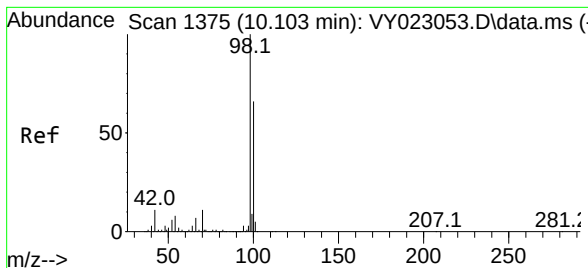
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

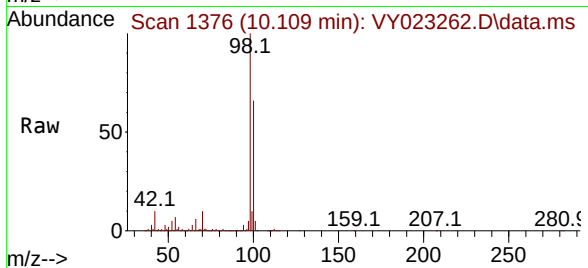
192 21.0 16.2 24.4





#50
Toluene-d8
Concen: 51.987 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

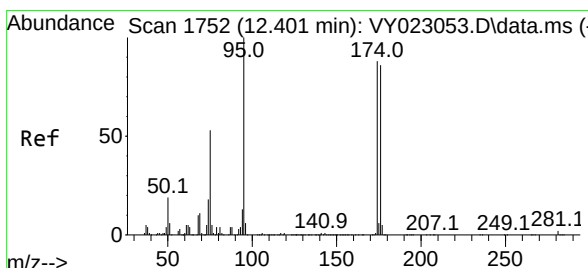
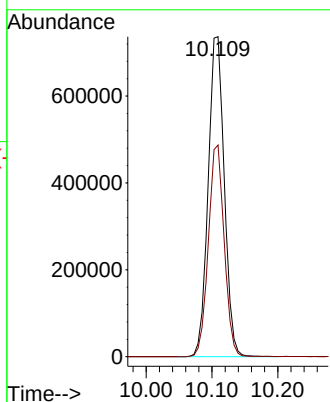
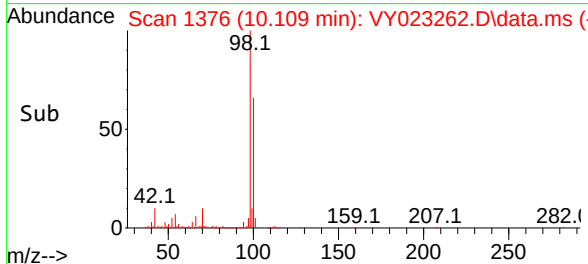
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-082925



Tgt Ion: 98 Resp: 125715
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

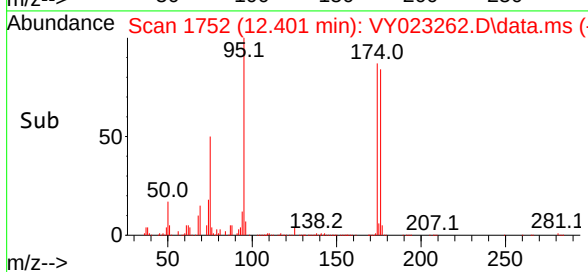
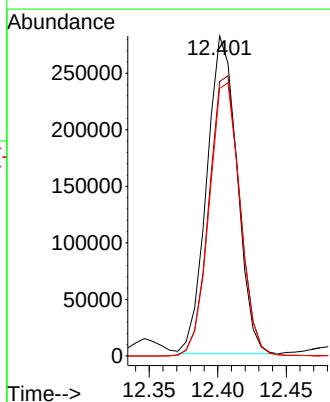
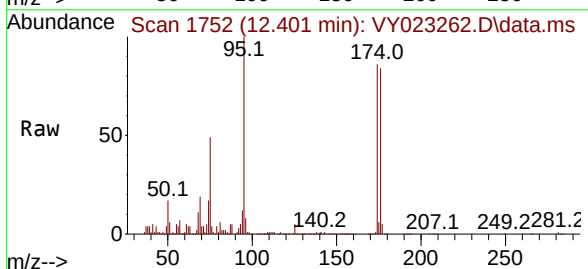
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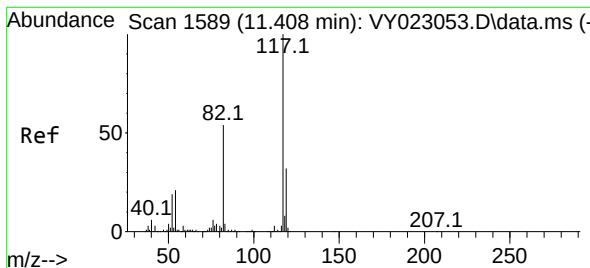
Reviewed By :Mahesh Dadoda 09/03/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#62
4-Bromofluorobenzene
Concen: 55.598 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

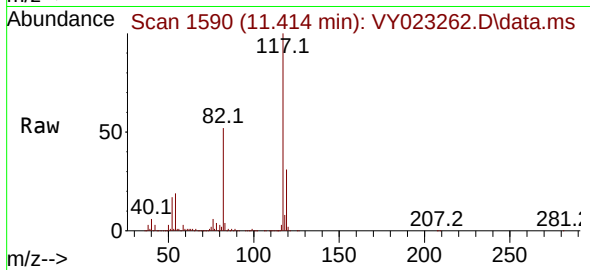
Tgt Ion: 95 Resp: 432383
Ion Ratio Lower Upper
95 100
174 89.9 0.0 171.6
176 87.6 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

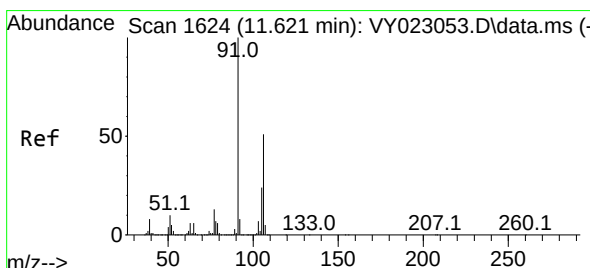
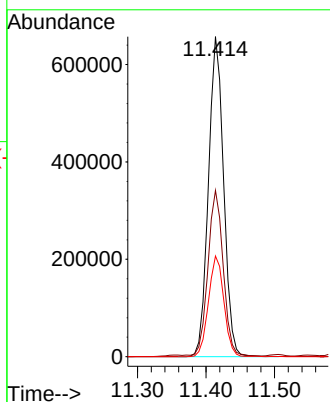
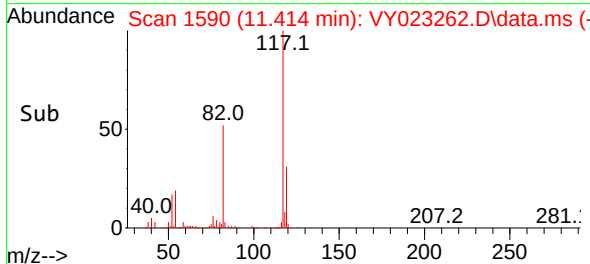
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-082925



Tgt Ion:117 Resp: 101455
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.0
119 31.4 25.6 38.4

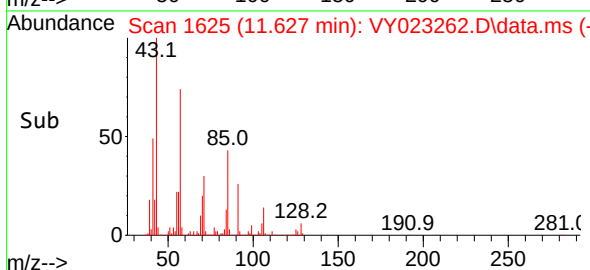
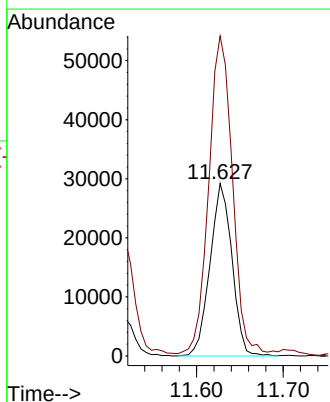
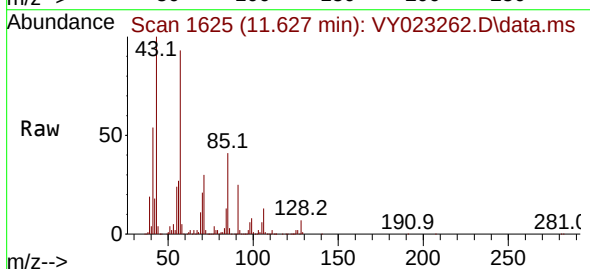
Manual Integrations
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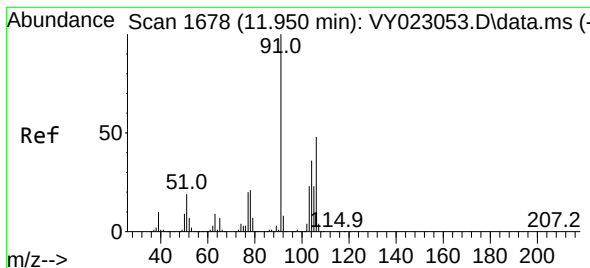
Reviewed By :Mahesh Dadoda 09/03/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#68
m/p-Xylenes
Concen: 3.498 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

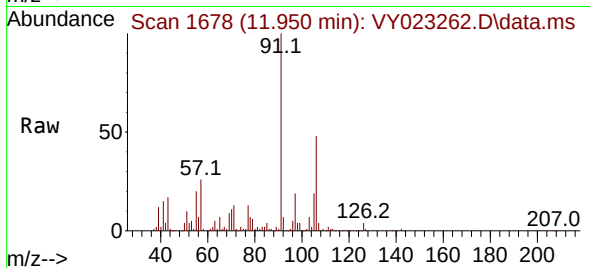
Tgt Ion:106 Resp: 51455
Ion Ratio Lower Upper
106 100
91 200.3 158.6 238.0





#69
o-Xylene
Concen: 8.861 ug/l
RT: 11.950 min Scan# 110
Delta R.T. -0.000 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

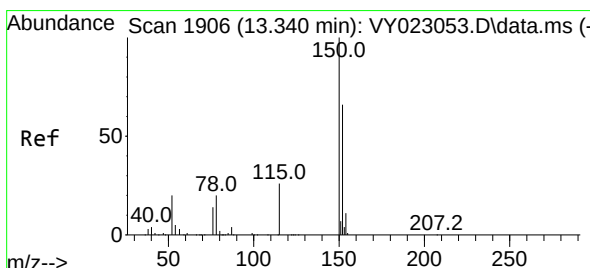
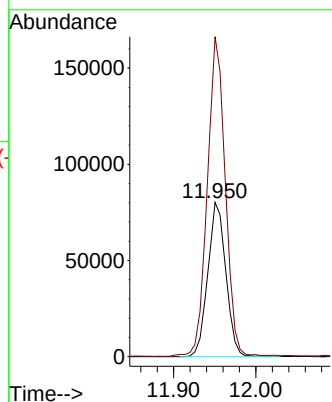
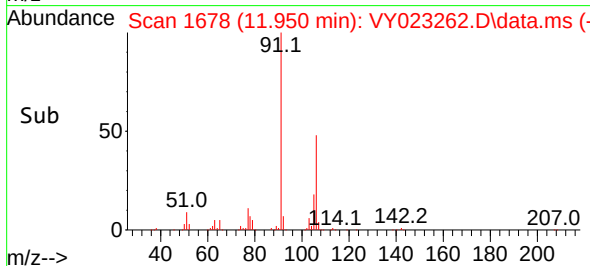
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-082925



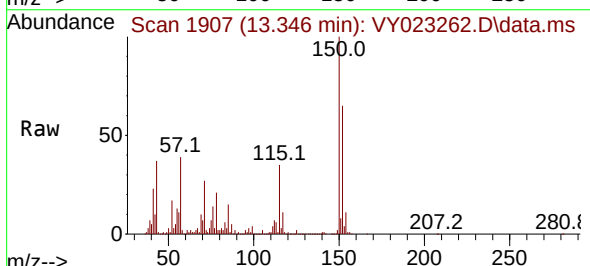
Tgt Ion:106 Resp: 122065
Ion Ratio Lower Upper
106 100
91 206.4 103.2 309.4

Manual Integrations
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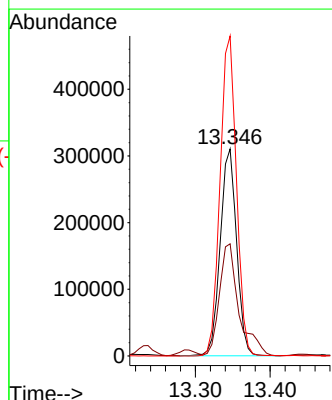
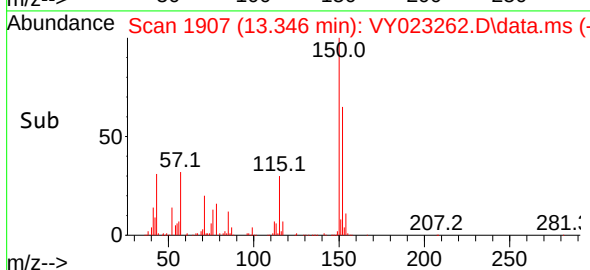
Reviewed By :Mahesh Dadoda 09/03/2025
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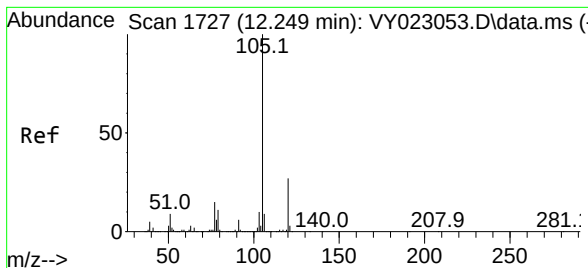


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00



Tgt Ion:152 Resp: 473920
Ion Ratio Lower Upper
152 100
115 64.3 28.2 84.6
150 154.3 0.0 348.0





#73

Isopropylbenzene

Concen: 1.481 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.000 min

Lab File: VY023262.D

Acq: 02 Sep 2025 14:00

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-082925

Tgt Ion:105 Resp: 49550

Ion Ratio Lower Upper

105 100

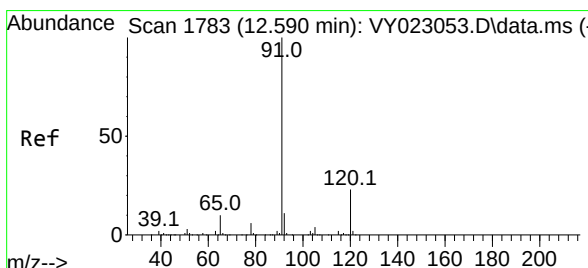
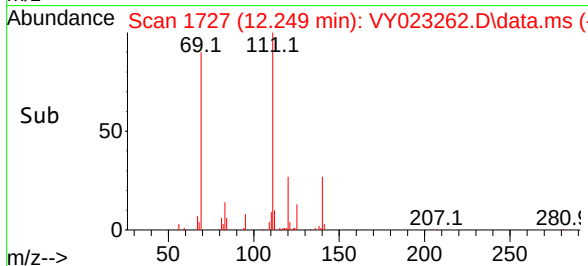
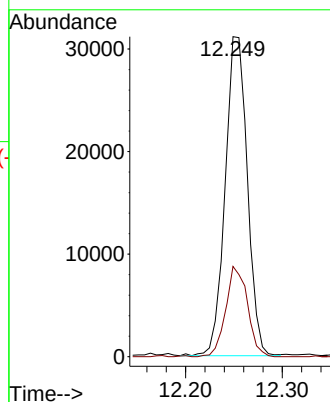
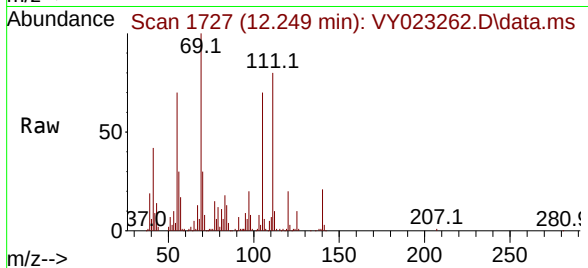
120 27.7 13.4 40.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/03/2025



#78

n-propylbenzene

Concen: 3.333 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. -0.000 min

Lab File: VY023262.D

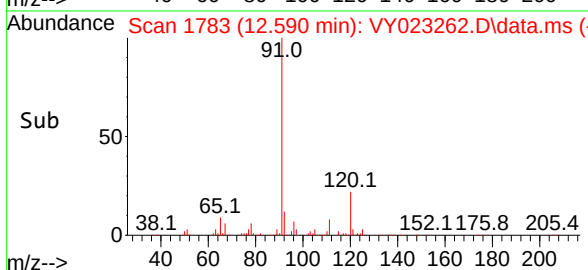
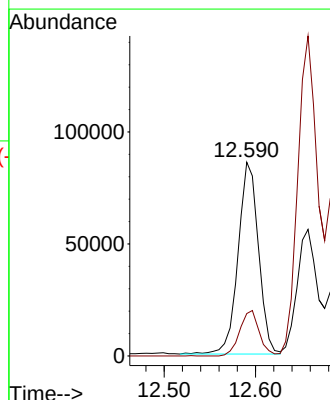
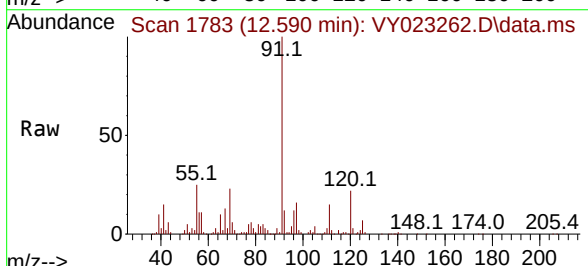
Acq: 02 Sep 2025 14:00

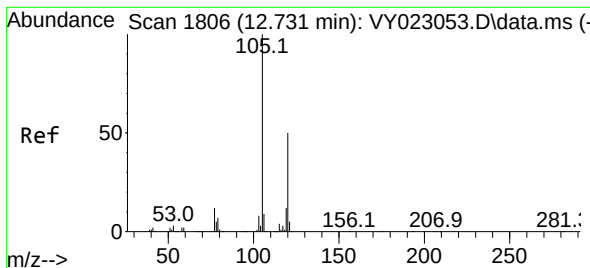
Tgt Ion: 91 Resp: 132718

Ion Ratio Lower Upper

91 100

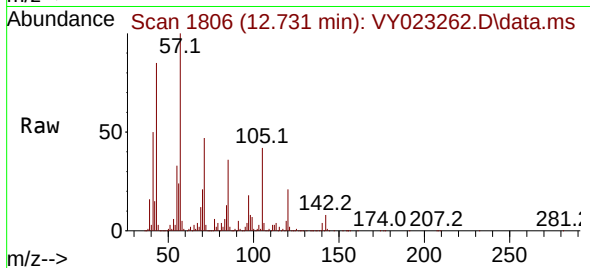
120 22.6 11.5 34.5





#80
1,3,5-Trimethylbenzene
Concen: 30.780 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

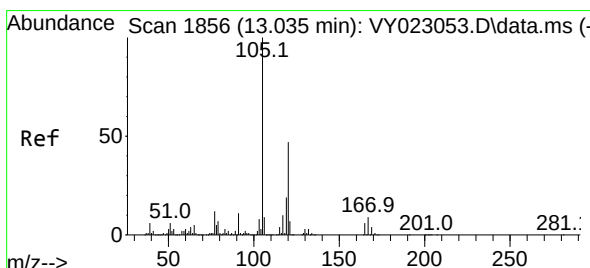
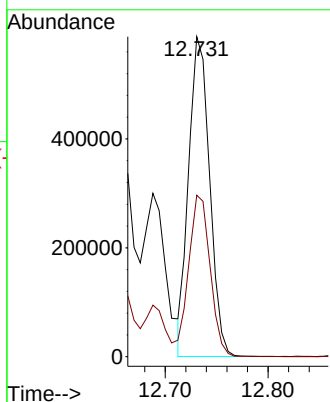
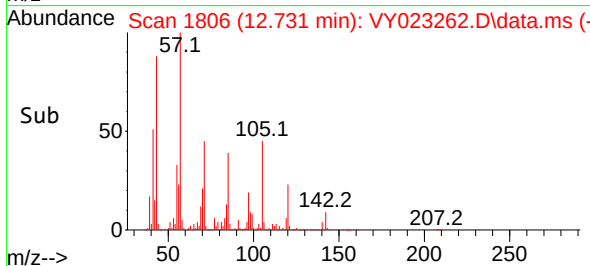
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EO-01-082925



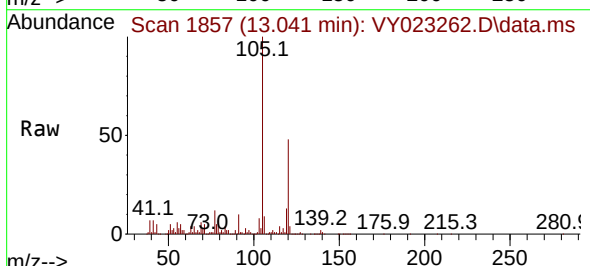
Tgt Ion:105 Resp: 832075
Ion Ratio Lower Upper
105 100
120 52.3 24.8 74.4

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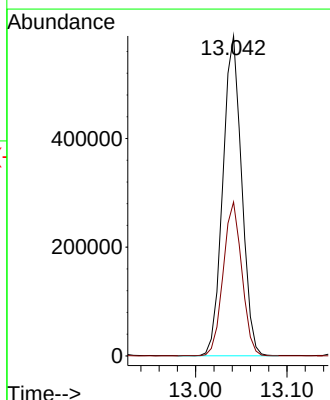
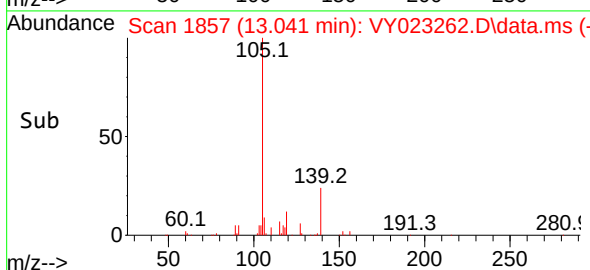
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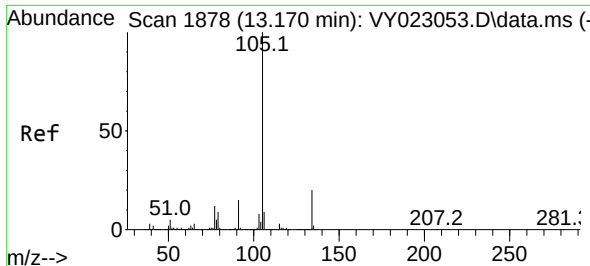


#84
1,2,4-Trimethylbenzene
Concen: 31.252 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00



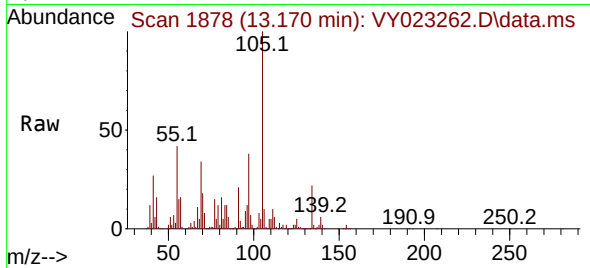
Tgt Ion:105 Resp: 840998
Ion Ratio Lower Upper
105 100
120 47.8 23.0 69.0





#85
 sec-Butylbenzene
 Concen: 5.608 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. -0.000 min
 Lab File: VY023262.D
 Acq: 02 Sep 2025 14:00

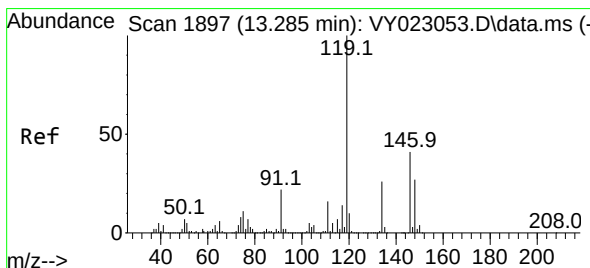
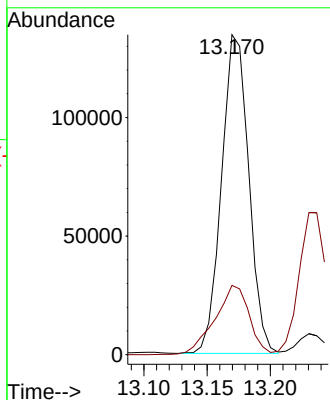
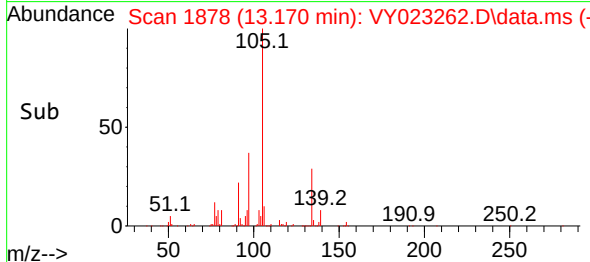
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-082925



Tgt Ion:105 Resp: 201130
 Ion Ratio Lower Upper
 105 100
 134 27.4 10.2 30.4

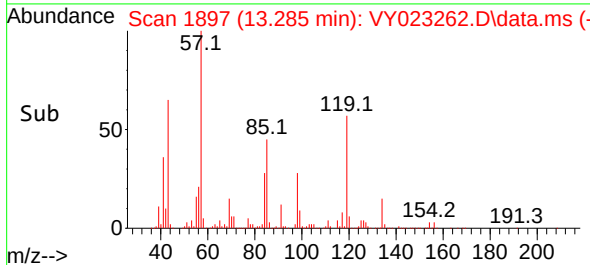
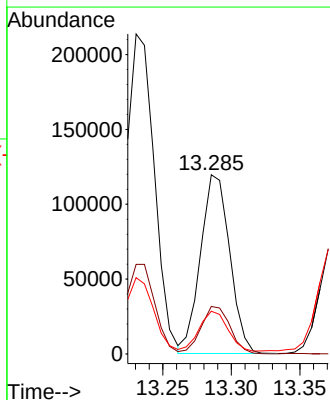
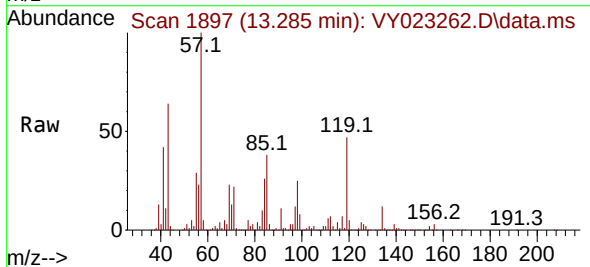
Manual Integrations
 APPROVED

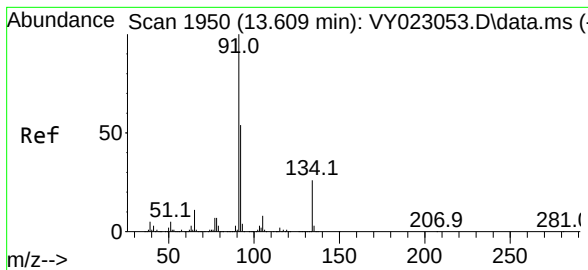
Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025



#86
 p-Isopropyltoluene
 Concen: 5.973 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY023262.D
 Acq: 02 Sep 2025 14:00

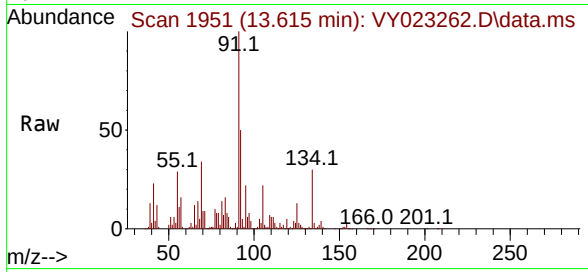
Tgt Ion:119 Resp: 177819
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.6
 91 21.2 11.3 33.8





#89
n-Butylbenzene
Concen: 4.475 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023262.D
Acq: 02 Sep 2025 14:00

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-082925



Tgt Ion: 91 Resp: 122368
Ion Ratio Lower Upper
91 100
92 73.3 26.9 80.7
134 0.0 13.2 39.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

